

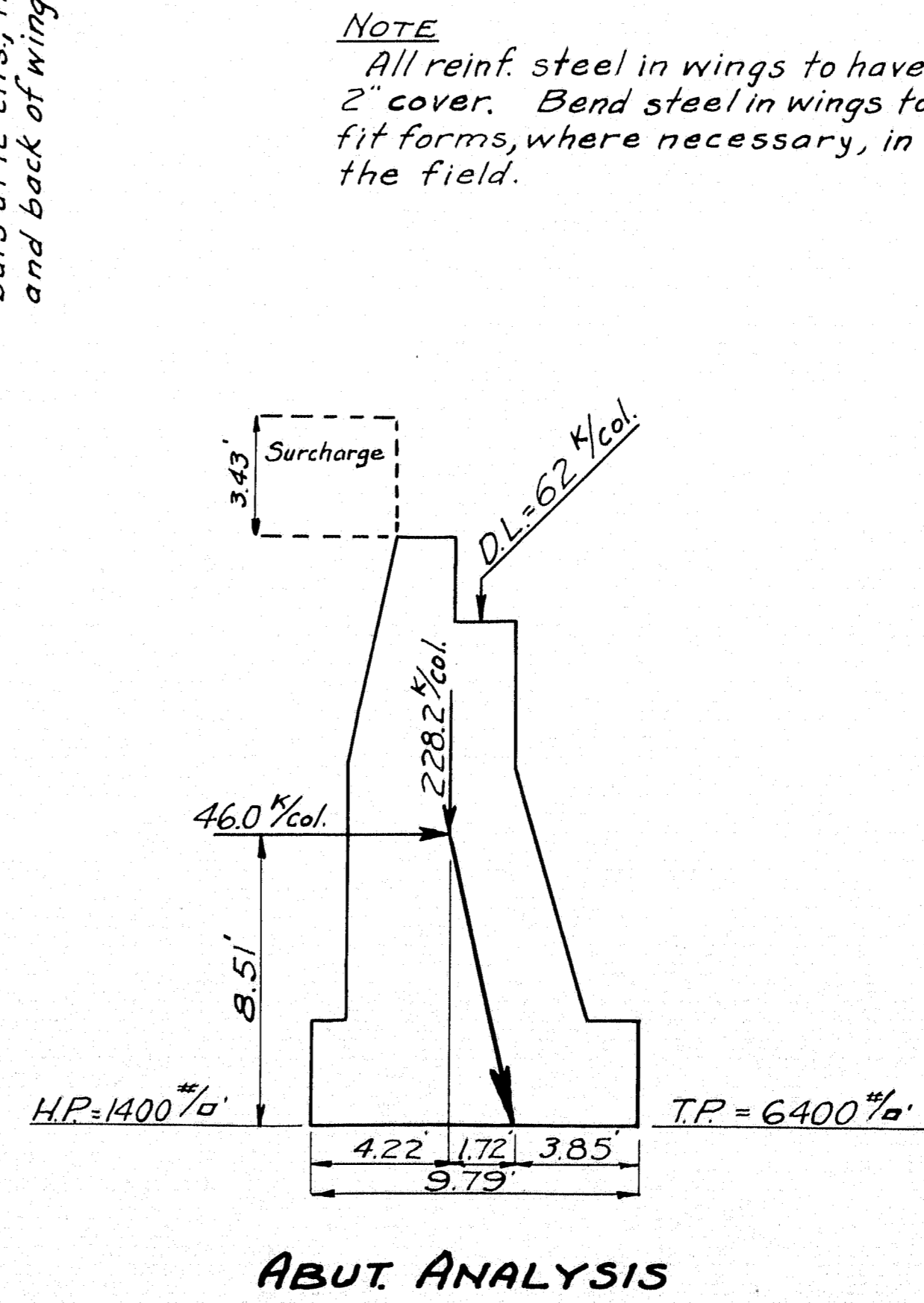
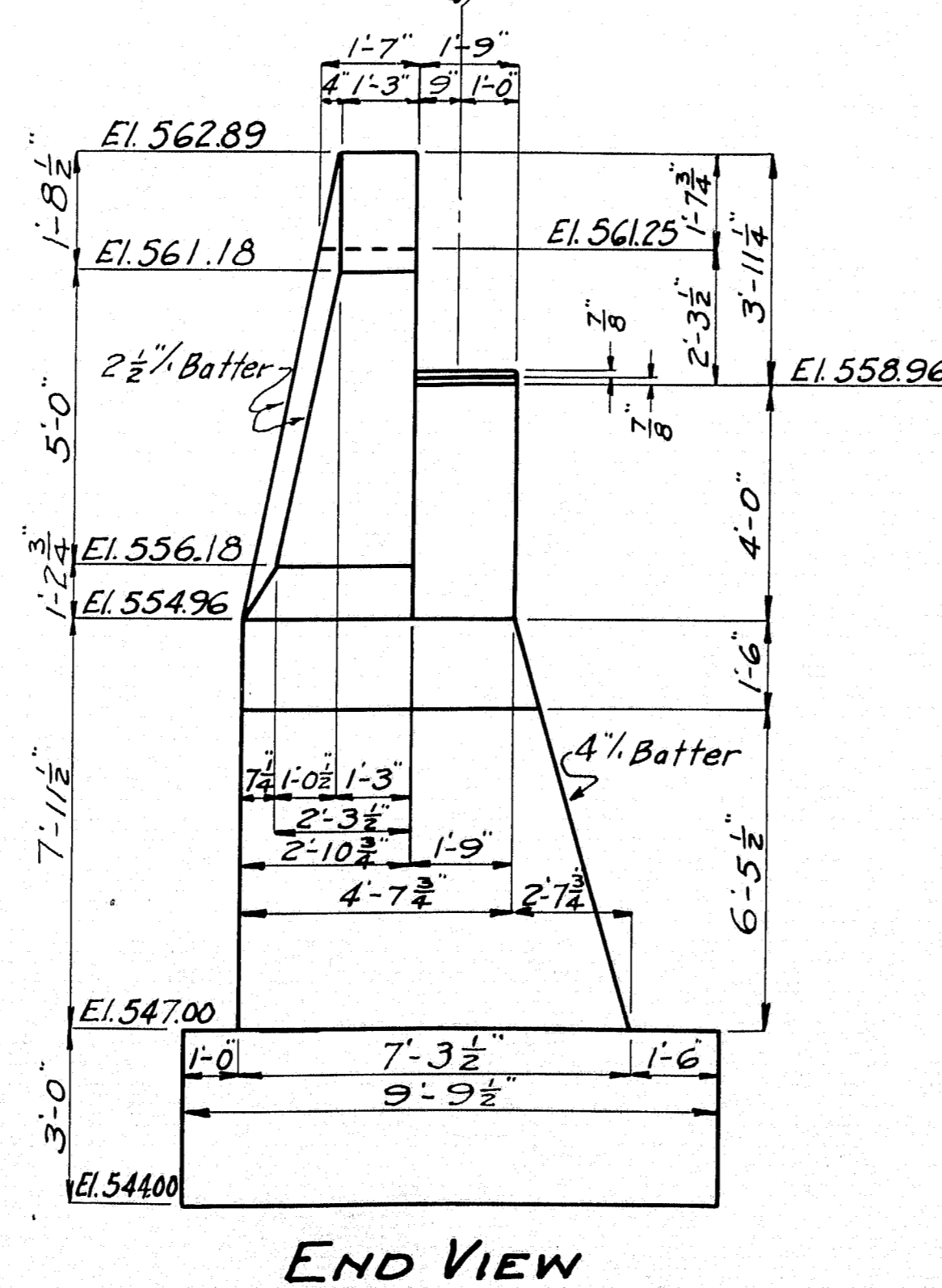
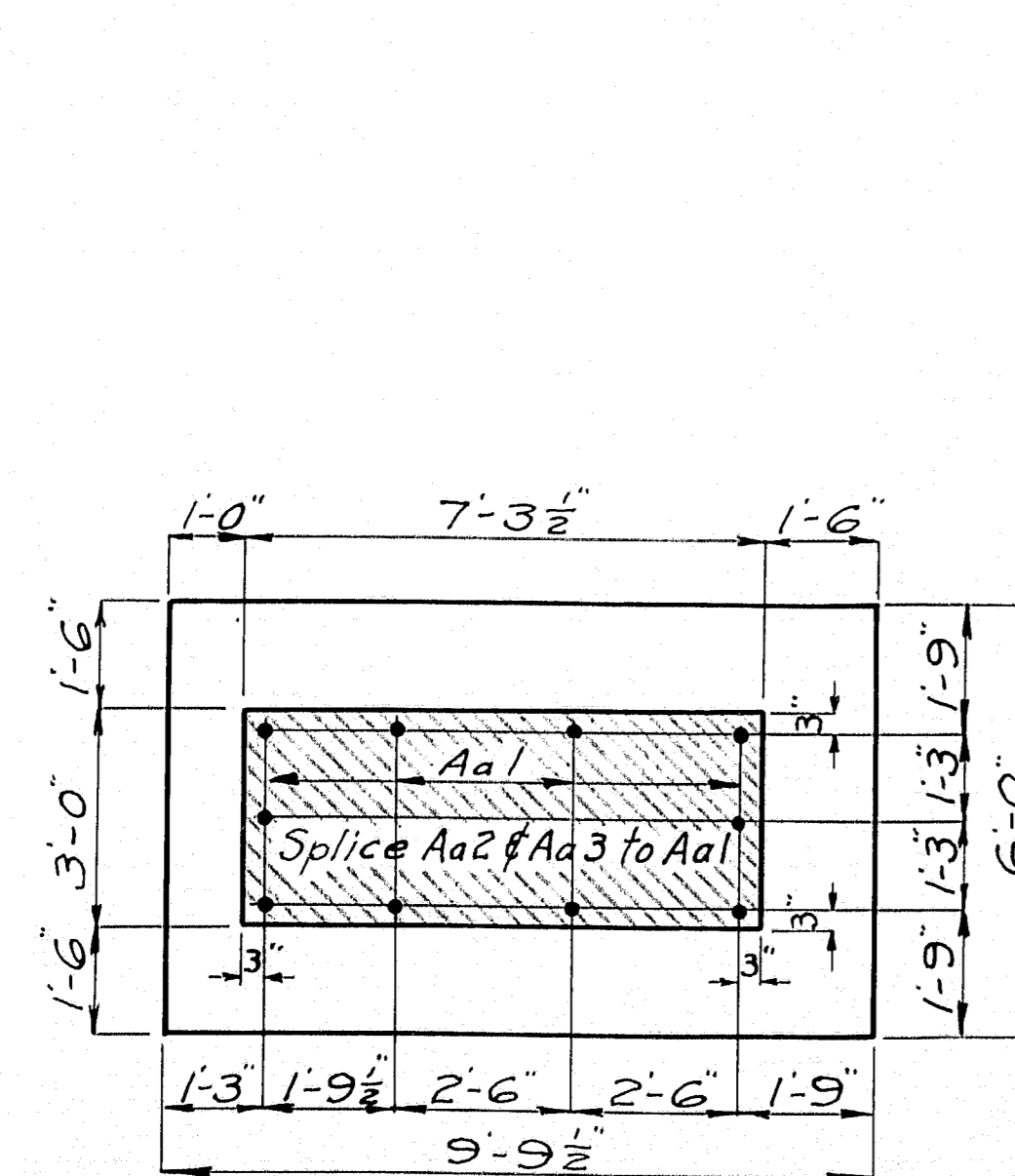
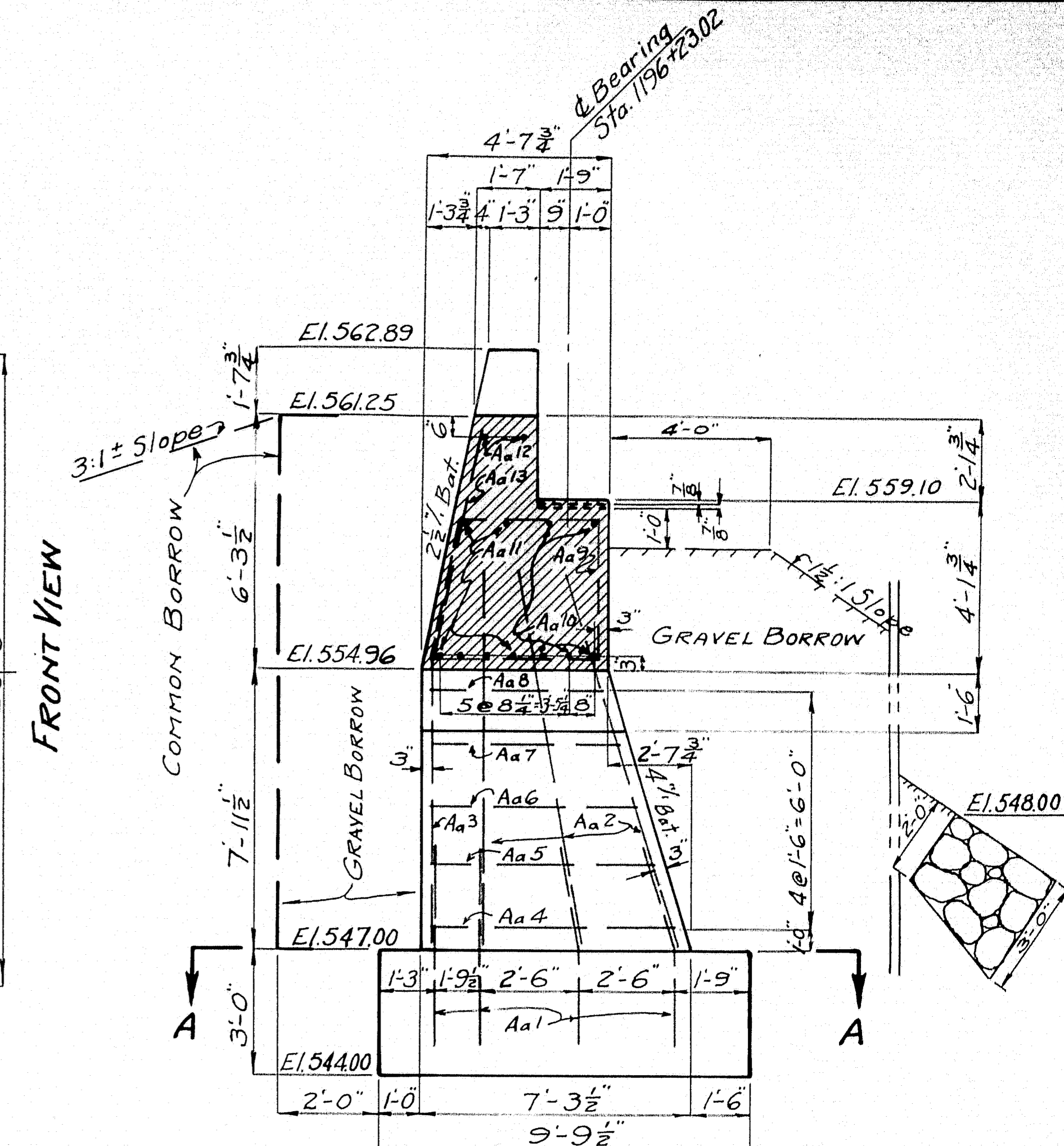
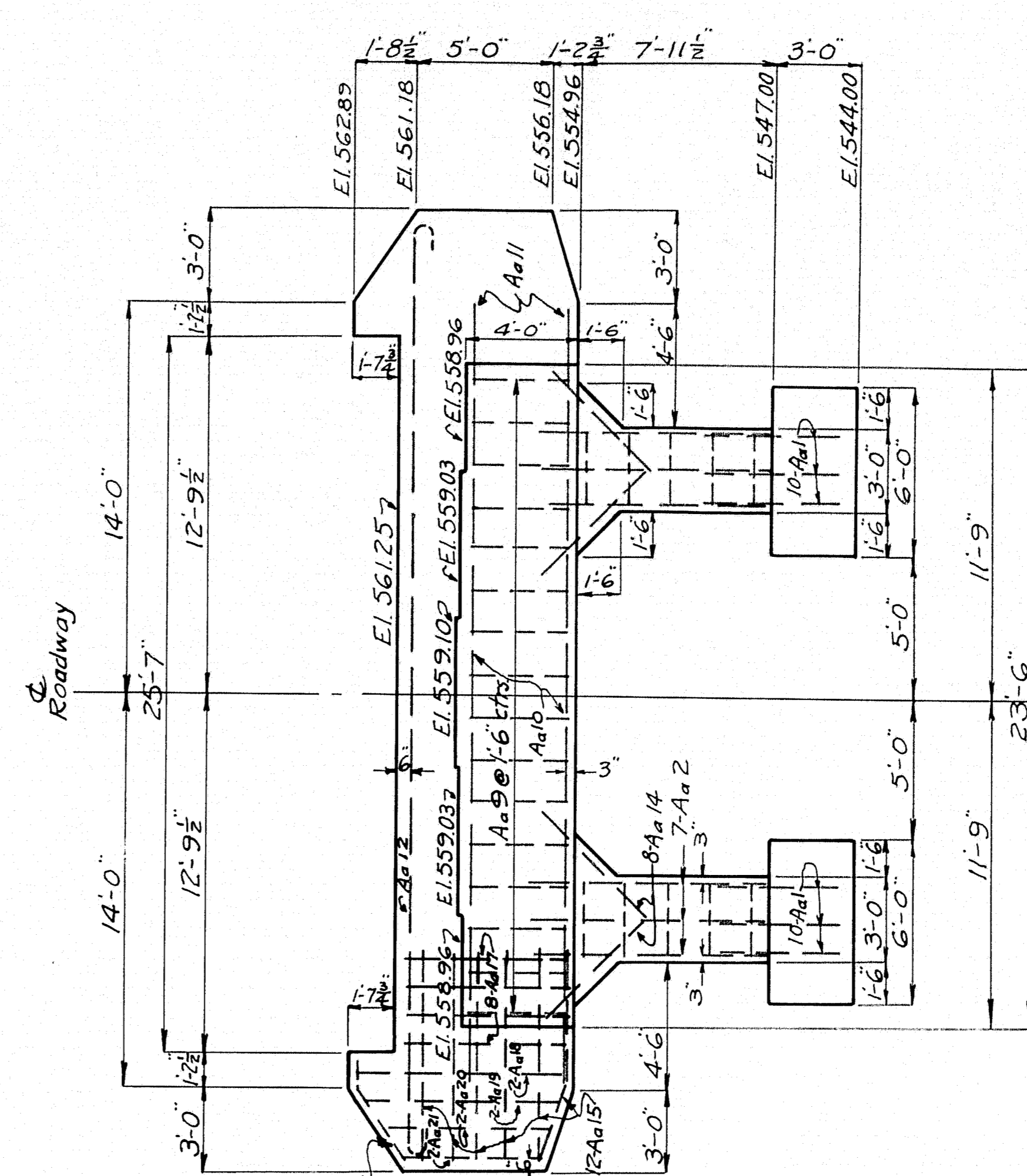
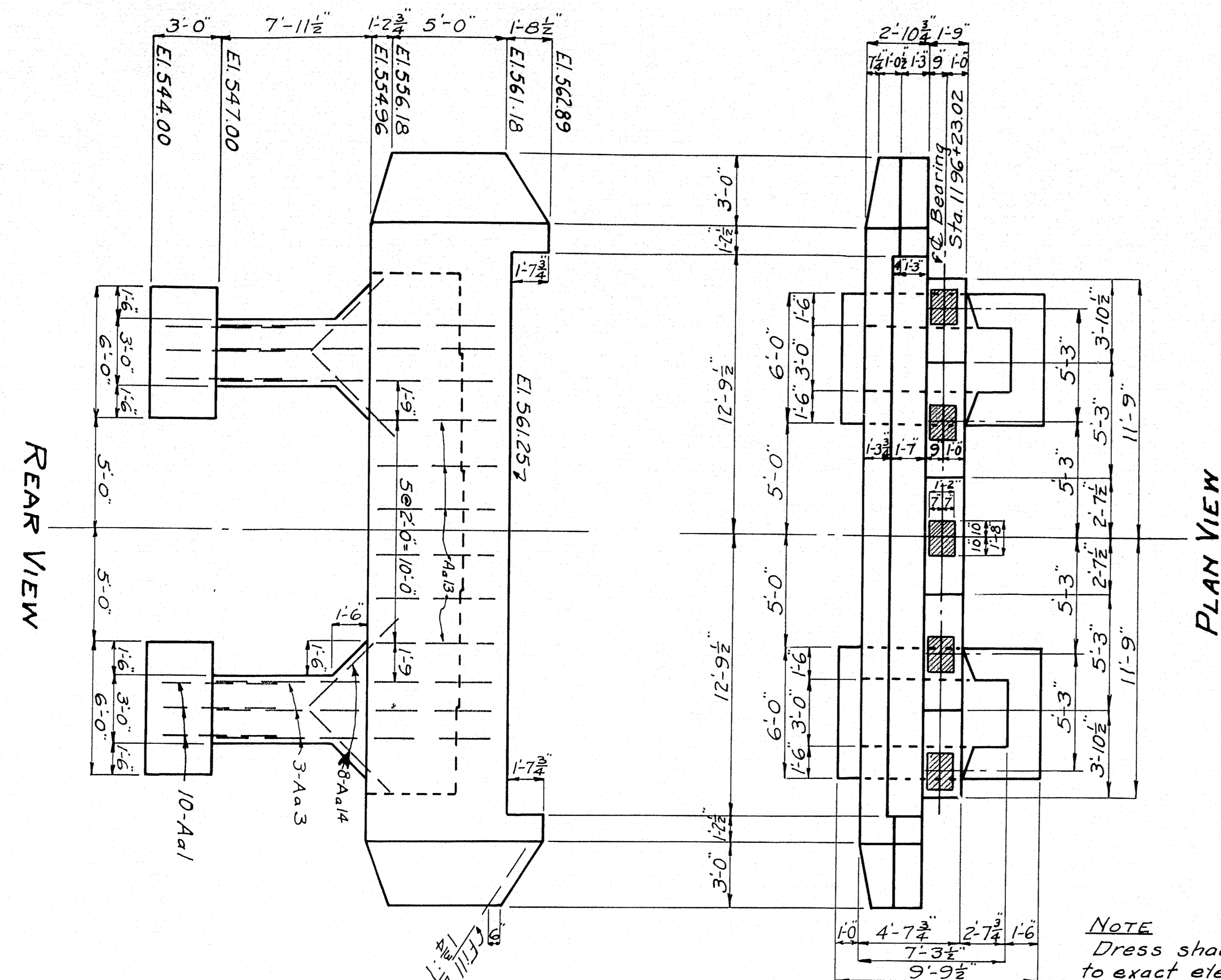
Survey: Blake
 Plot: L.J.B. & C.A.B. Trace: C.A.B.

TOWN 10-73
 BRIDGE 3666

STATE HIGHWAY COMMISSION
 BRIDGE DIVISION

WEST BRANCH BRIDGE
 OVER
WEST BRANCH-PENOBSCOT RIVER
TOWNSHIP 3-INDIAN PURCHASE
PENOBSCOT COUNTY.
SURVEY

Sheet 1 of 1 Augusta, Me. Nov. 1939

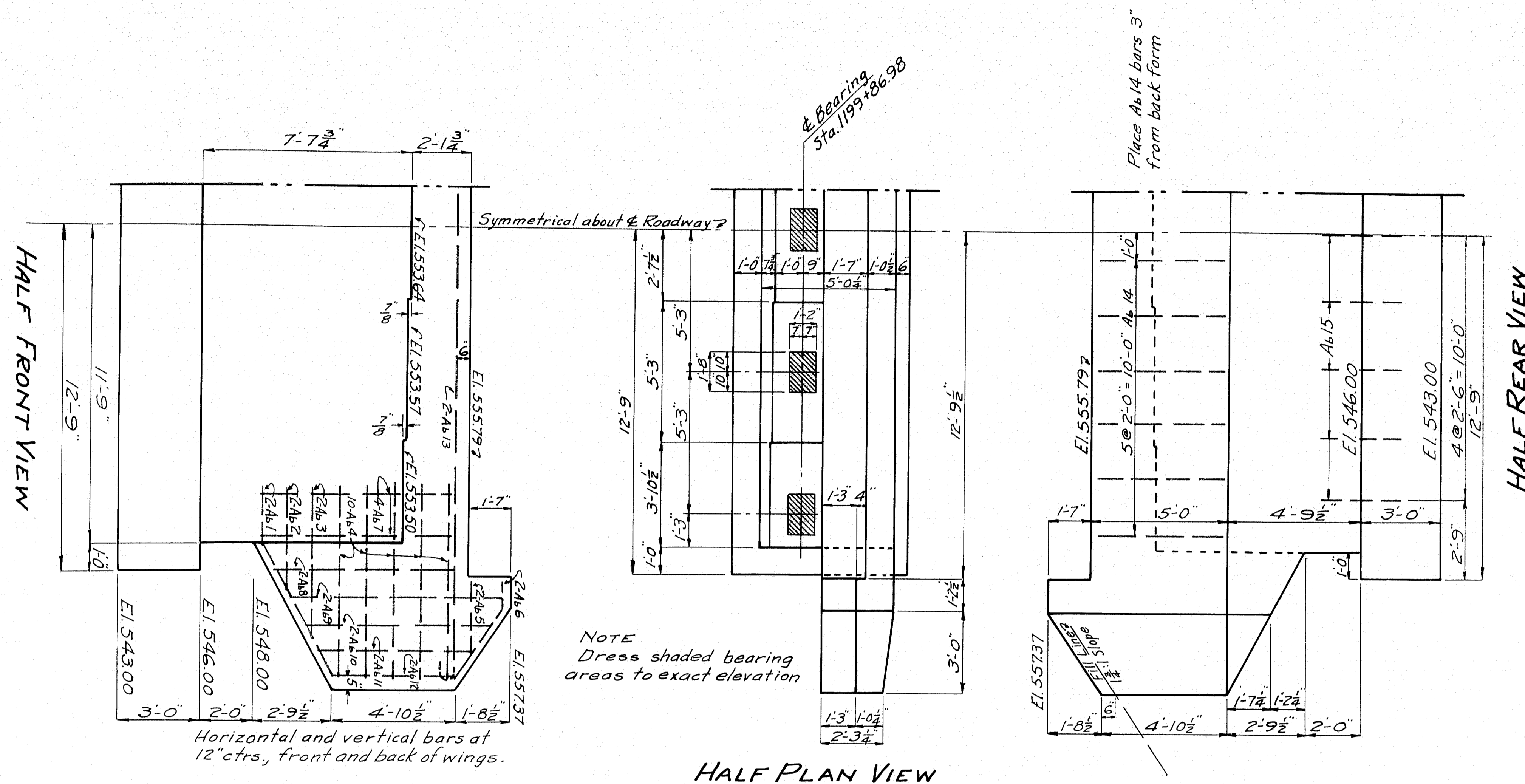


BACKFILL NOTE
Backfill for abutment footings to be carried to top of footings on back, as shown, and to existing ground elev. on sides and front.

SLOT NOTE
Cover the $\frac{1}{2}$ open joints between curbs and abutment wings on the back side with 2-layers of heavy roofing. Coat surface of concrete and back side of each layer, as applied, with a suitable grade of plastic roofing cement. The roofing is to be 10" wide. The area to be covered by the roofing is to be recessed $\frac{3}{8}$ " by nailing strips to the forms before concrete is placed.

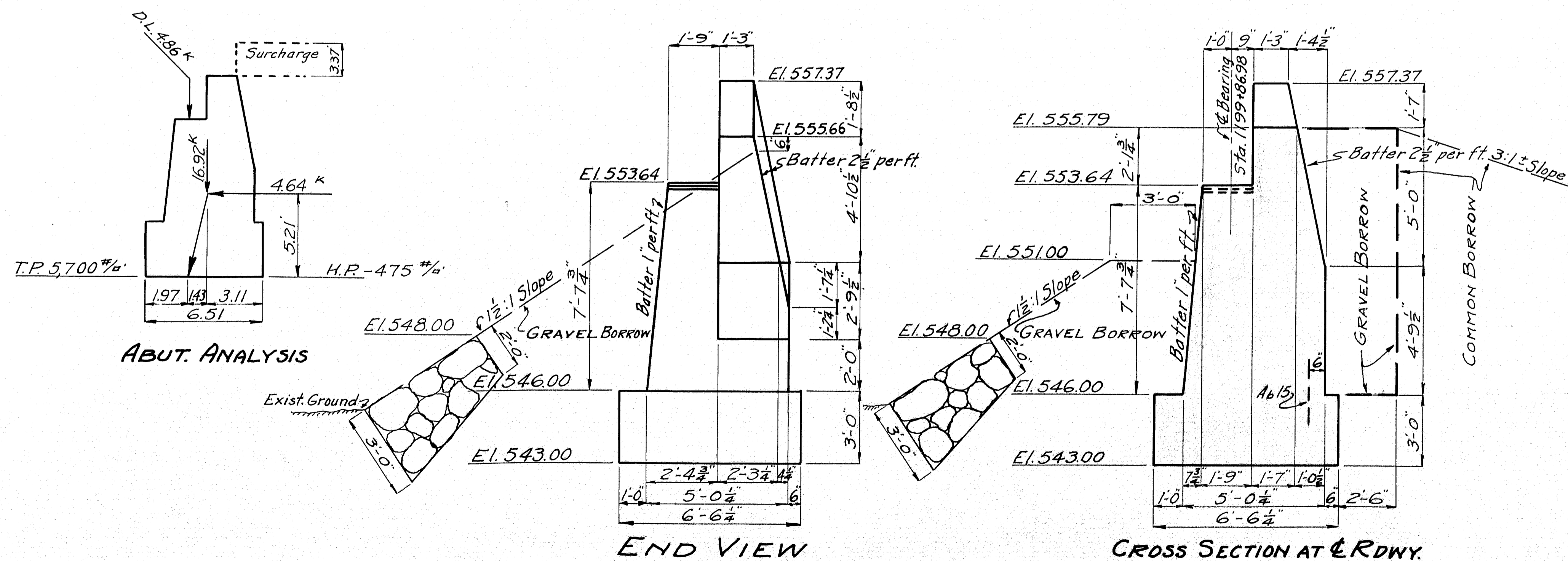
RIP-RAP NOTE
Place rip-rap on sides and front of Abutments, to Elev. 548.00 as shown. Excavation for toe of rip-rap to be paid for at the contract unit price for "Structural Earth Excavation, Abutments," Item No. 5.

DESIGN - P.E.W. TRACE - P.E.W. CHECK - L.J.B.	BRIDGE - 3666
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
WEST BRANCH BRIDGE OVER WEST BRANCH-PENOBSCOT RIVER	
TOWNSHIP 3 - INDIAN PURCHASE PENOBSCOT COUNTY	
ABUTMENT NO. 1	
SHEET 2 OF 11 AUGUSTA, MAINE MARCH 1948	



NOTE
All reinf steel in wings to have 2" cover.
Bend steel in wings to fit forms where necessary, in the field.

For Slot Note see Abut. No. 1, (Sheet No. 2)
For Rip-Rap Note " " " (" No. 2)
For Backfill Note " " " (" No. 2)

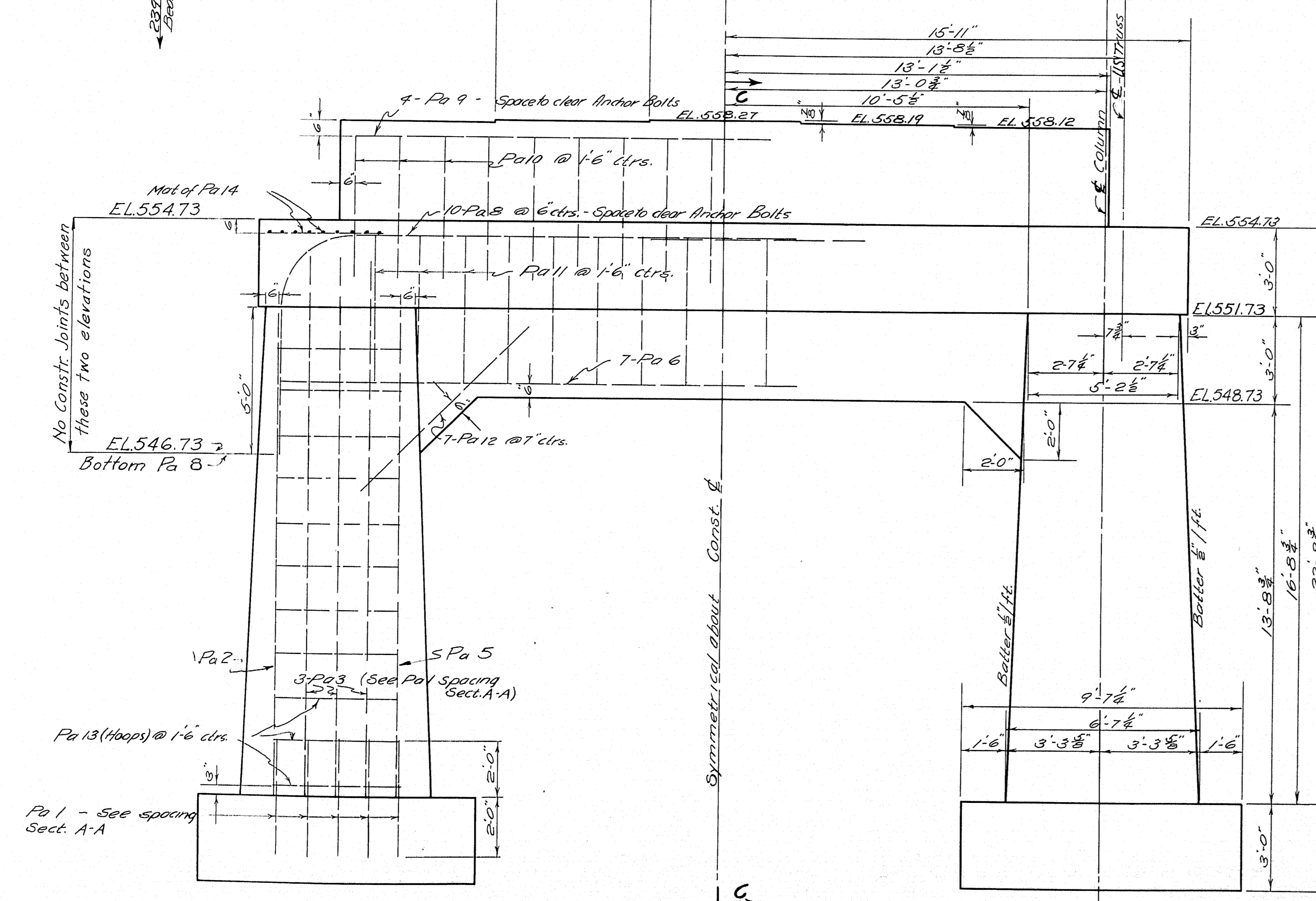
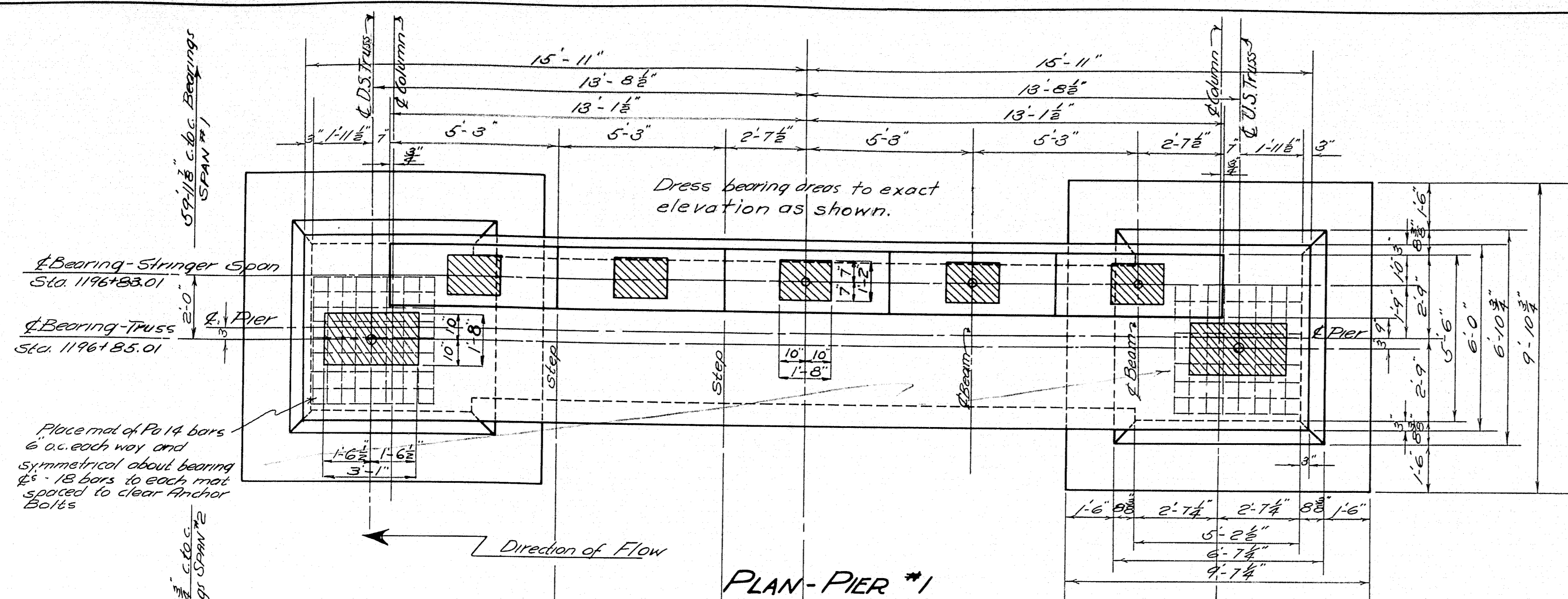


REINFORCING STEEL FOR ABUTMENTS See Sheet No. 7 for reinf. steel for Floor Slab and Piers

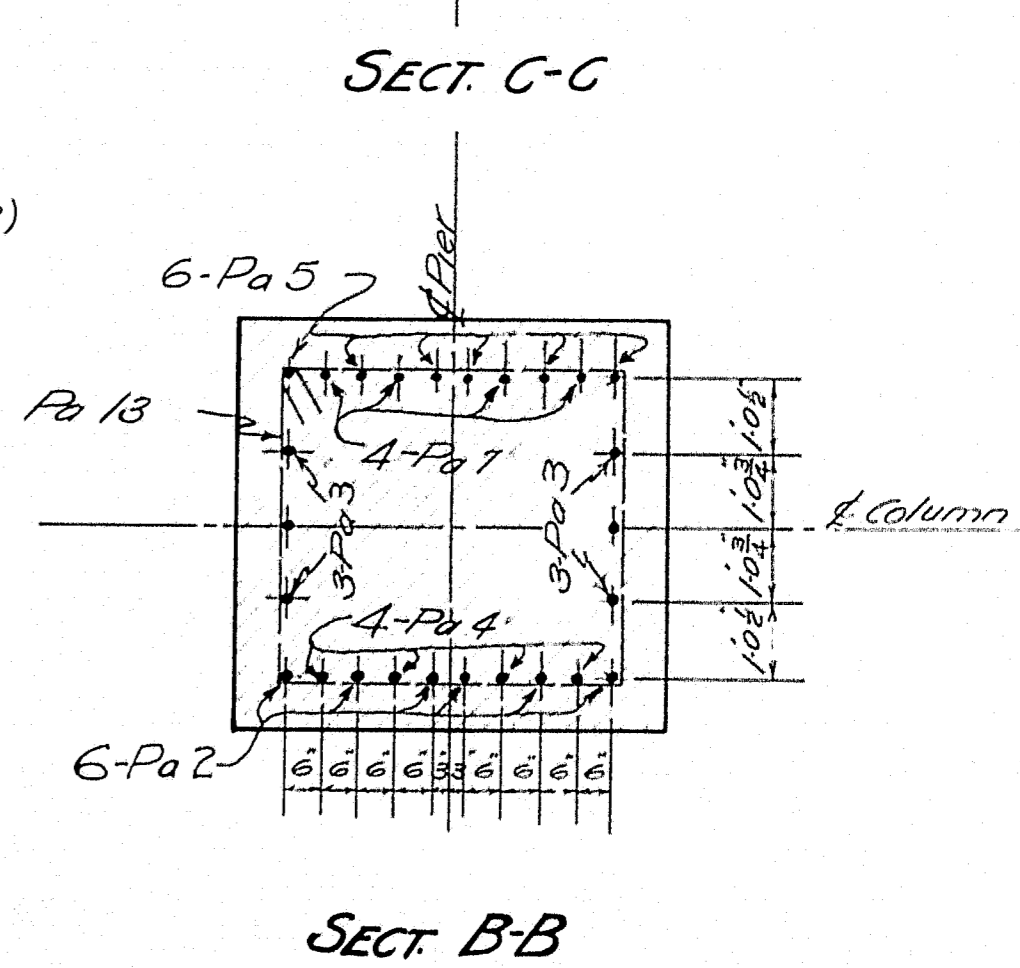
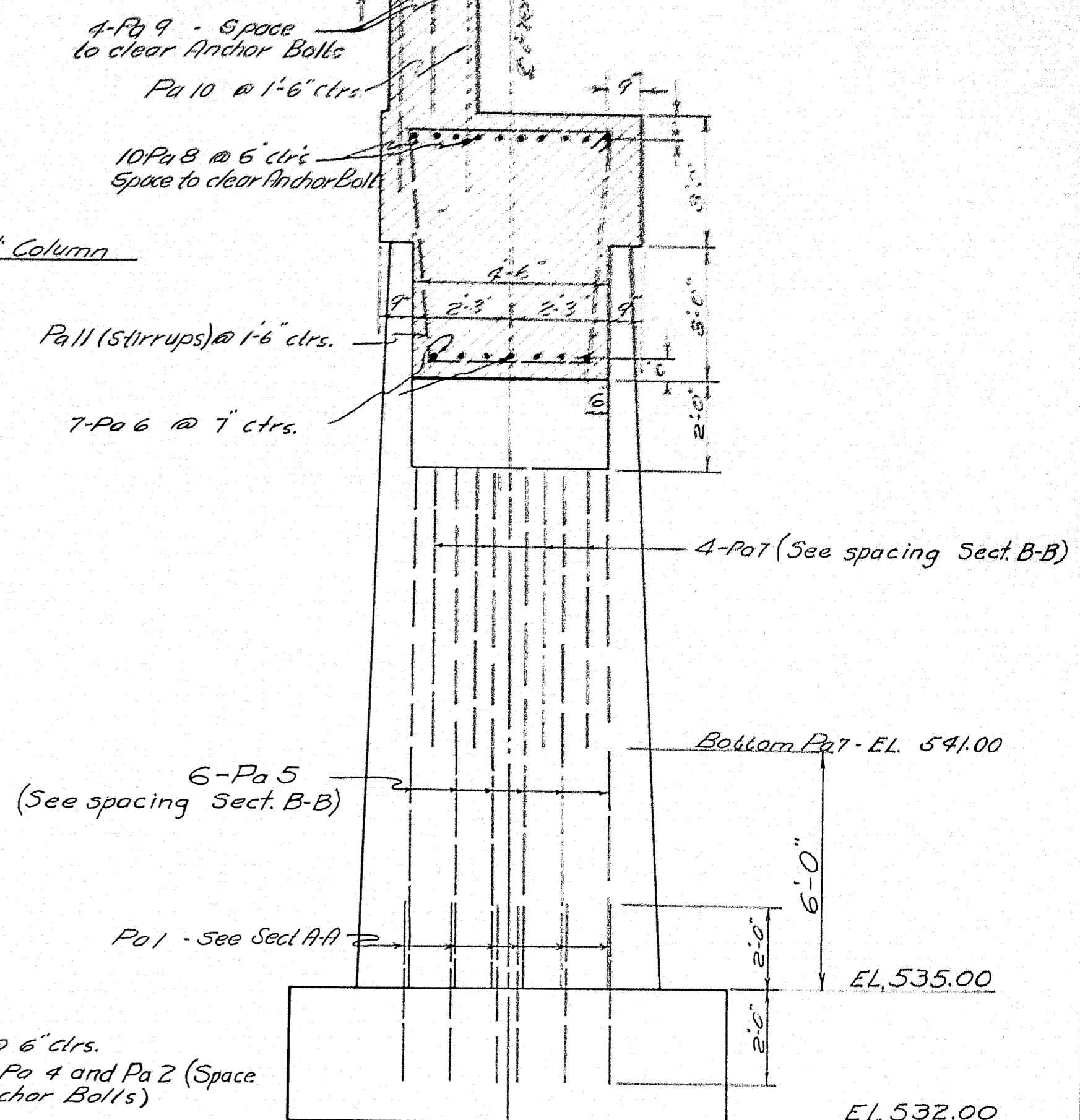
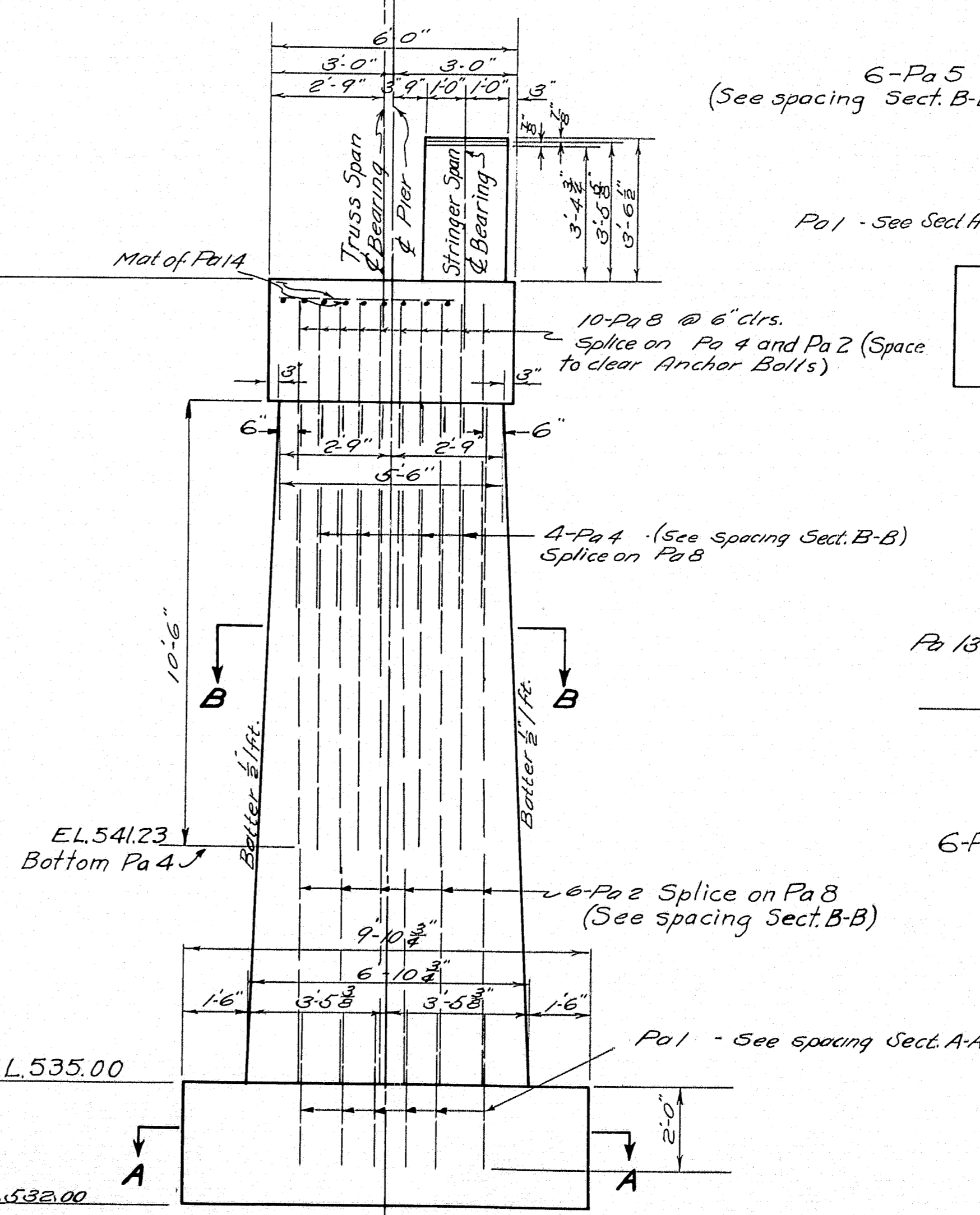
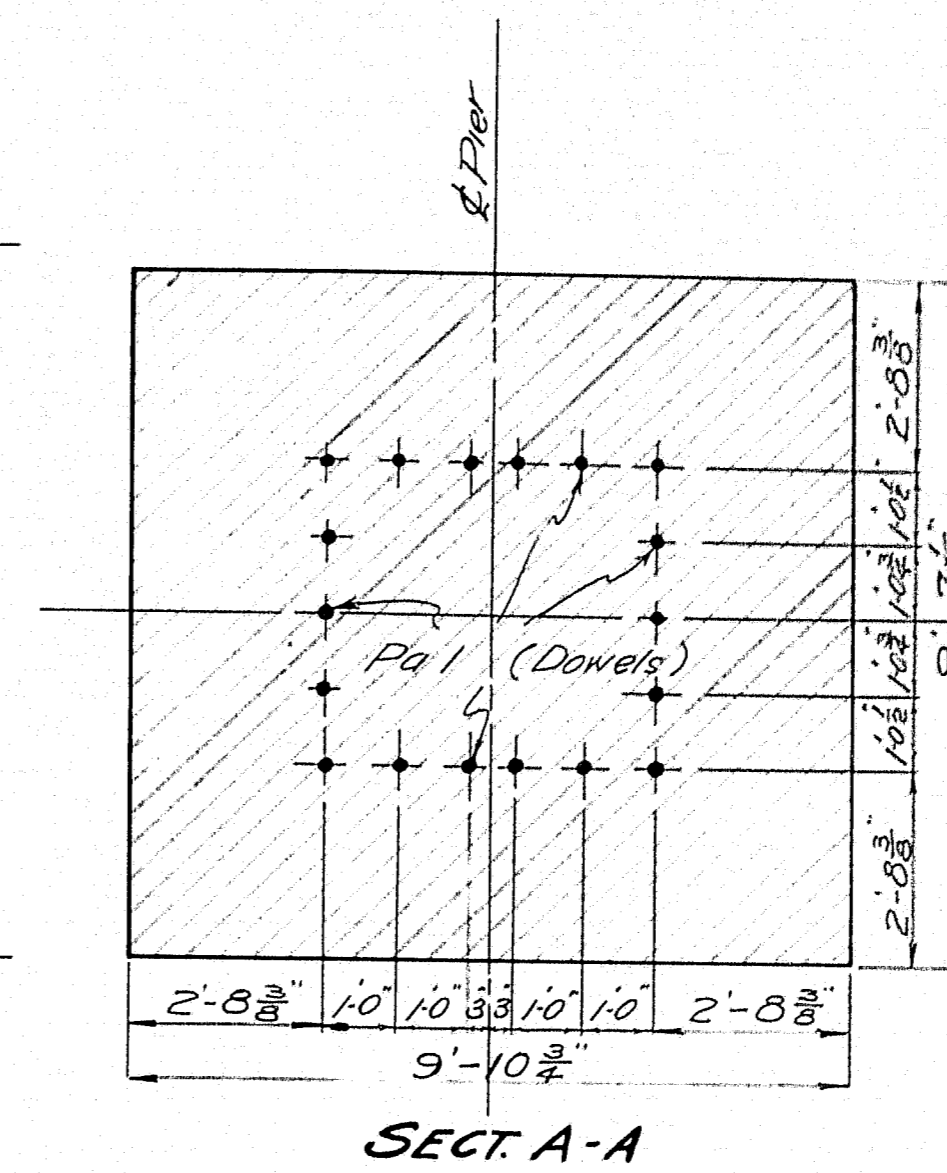
BENT				
4'-7"	Aa 8			
5'-1"	Aa 7			
5'-7"	Aa 6			
6'-1"	Aa 5			
6'-7"	Aa 4			
Aa 4-Aa 8				
Aa 9				
Aa 12 & Ab 13				
32'-6"				
MARK	SIZE	No. REQD	LENGTH	LOCATION
Aa 4	2"	2	18'-10 1/2"	Columns - Abut. No. 1
Aa 5	"	2	17'-10 1/2"	" " " "
Aa 6	"	2	16'-10 1/2"	" " " "
Aa 7	"	2	15'-10 1/2"	" " " "
Aa 8	"	2	14'-10 1/2"	" " " "
Aa 9	"	16	15'-6 1/2"	Bridge seat - " "
Aa 12	3/4"	2	35'-0 1/2"	Backwall - " "
Ab 13	"	2	35'-0 1/2"	" " No. 2
STRAIGHT				
Aa 1	3/4"	20	5'-0"	Column footings - Abut. No. 1
Aa 2	"	14	10'-6"	Columns - " "
Aa 3	"	6	14'-0"	" " " "
Aa 10	1"	5	23'-0"	Bridge seat beam - " "
Aa 11	1"	6	28'-0"	" " " "
Aa 13	3/4"	6	6'-0"	Backwall - " "
Aa 14	"	16	6'-0"	Columns to bridge seat beam - Abut. No. 1
Aa 15	3/4"	24	9'-0"	Wings - Abut. No. 1
Aa 16	"	4	4'-0"	" " " "
Aa 17	"	16	6'-0"	" " " "
Aa 18	"	4	7'-8"	" " " "
Aa 19	"	4	7'-2"	" " " "
Aa 20	"	4	6'-2"	" " " "
Aa 21	"	4	5'-2"	" " " "
Ab 1	3/4"	4	7'-6"	Wings - Abut. No. 2
Ab 2	"	4	3'-9"	" " " "
Ab 3	"	4	5'-6"	" " " "
Ab 4	"	20	7'-0"	" " " "
Ab 5	"	4	2'-9"	" " " "
Ab 6	"	4	4'-0"	" " " "
Ab 7	"	8	7'-6"	" " " "
Ab 8	"	4	7'-0"	" " " "
Ab 9	"	4	8'-0"	" " " "
Ab 10	"	4	7'-2"	" " " "
Ab 11	"	4	6'-0"	" " " "
Ab 12	"	4	4'-10"	" " " "
Ab 14	3/4"	12	4'-10"	Backwall - " "
Ab 15	"	9	3'-0"	Footing - " "

NOTE: All steel dimensions to & of bars.

DESIGN - R.E.M. TRACE - R.E.M.
DRAW - V.B.E. CHECK - L.B.B. BRIDGE-3666
STATE HIGHWAY COMMISSION
BRIDGE DIVISION
WEST BRANCH BRIDGE
OVER
WEST BRANCH-PENOBSCOT RIVER
TOWNSHIP 3-INDIAN PURCHASE
PENOBSCOT COUNTY
ABUTMENT NO. 2 & REINF STEEL FOR ABUTMENTS
SHEET 3 OF 11 AUGUSTA, MAINE MARCH 1948

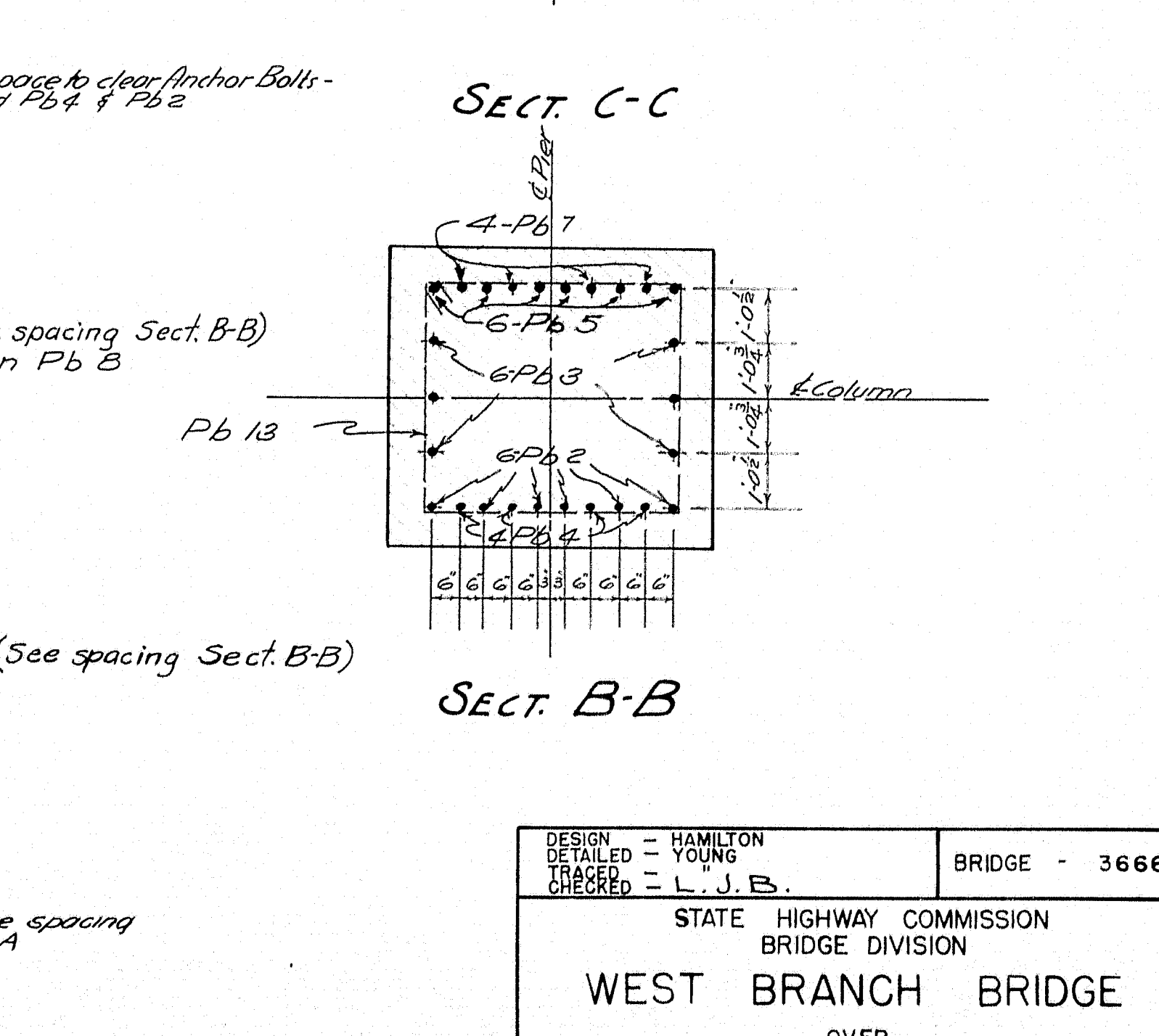
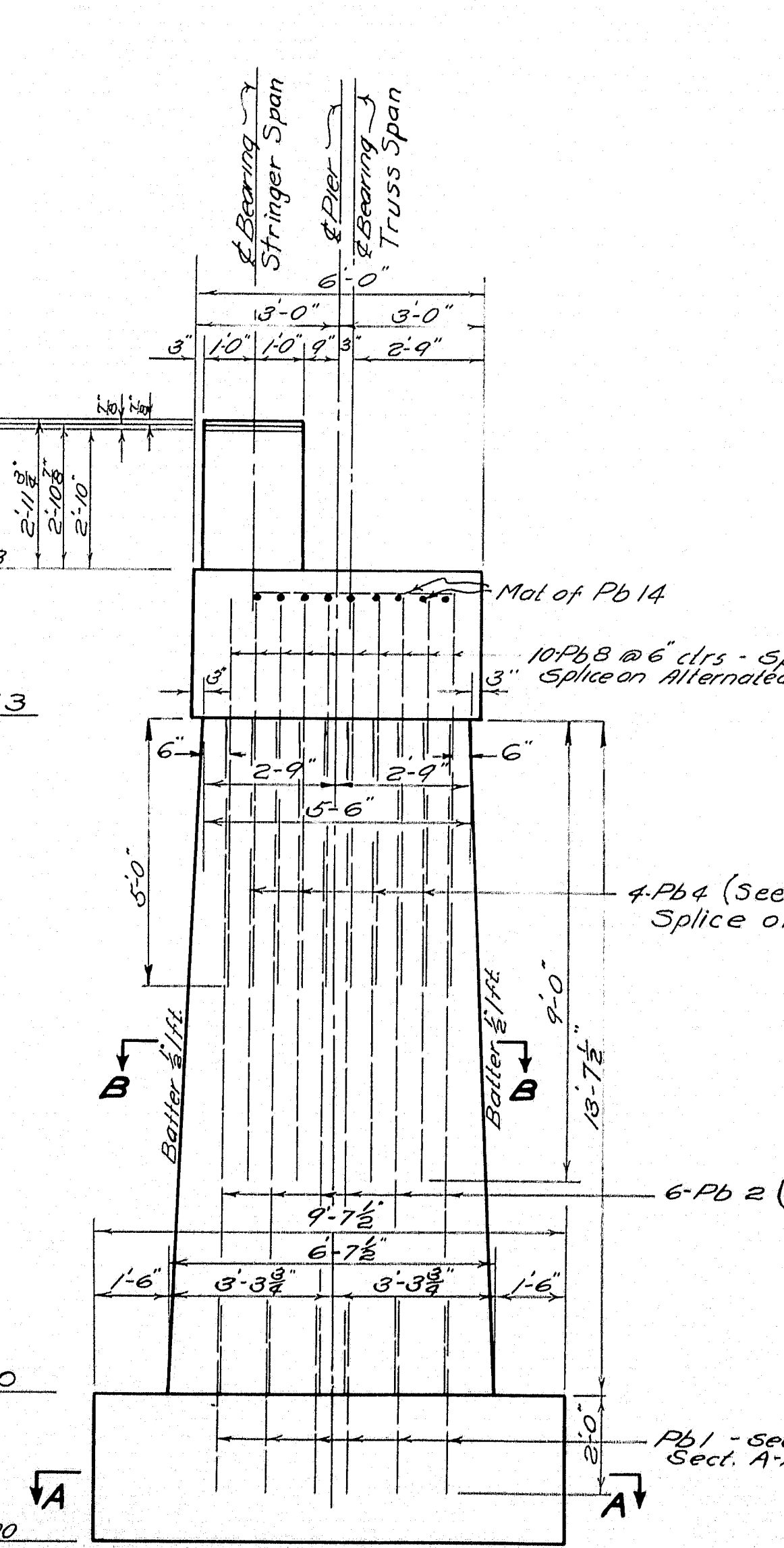
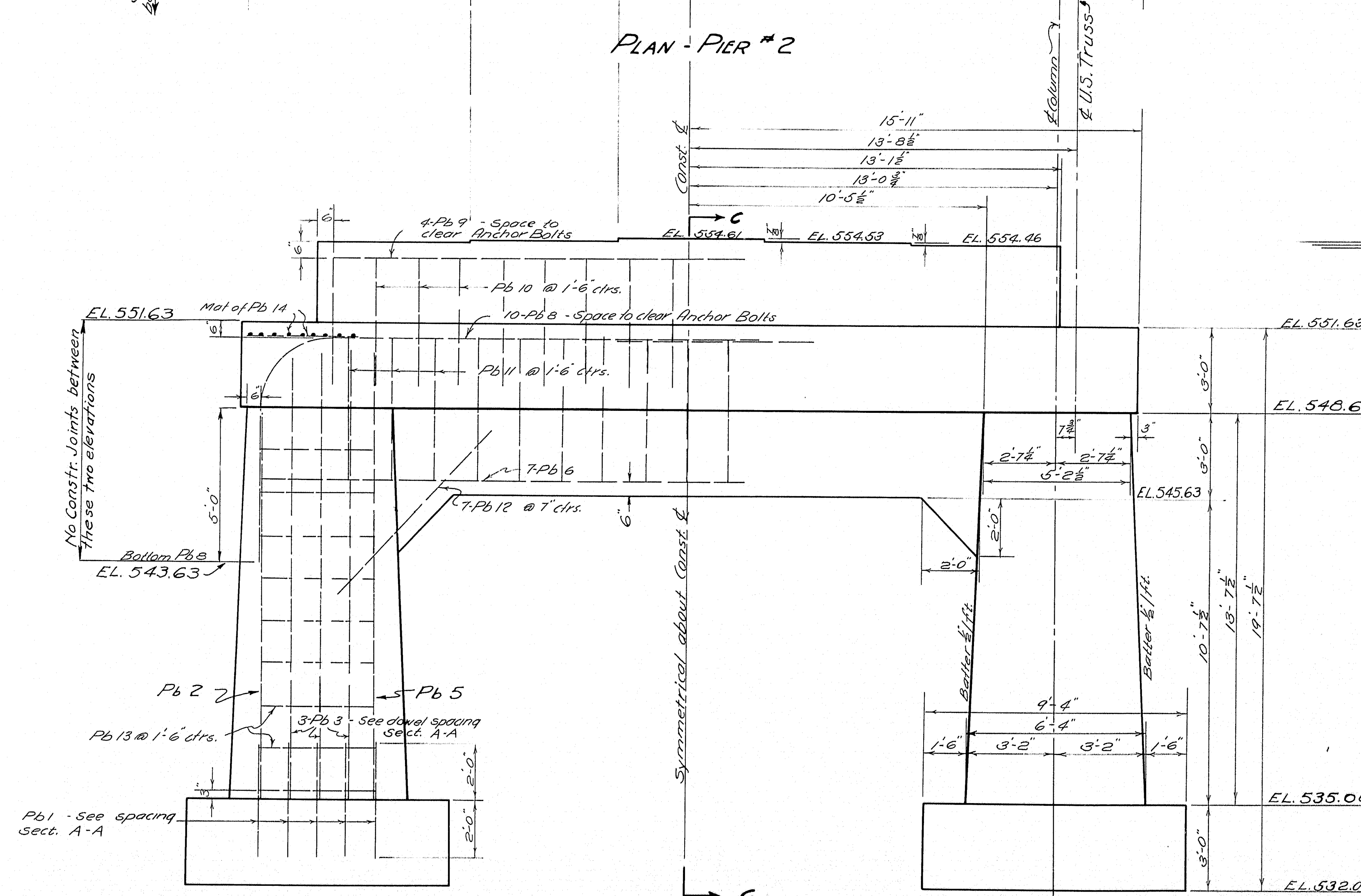
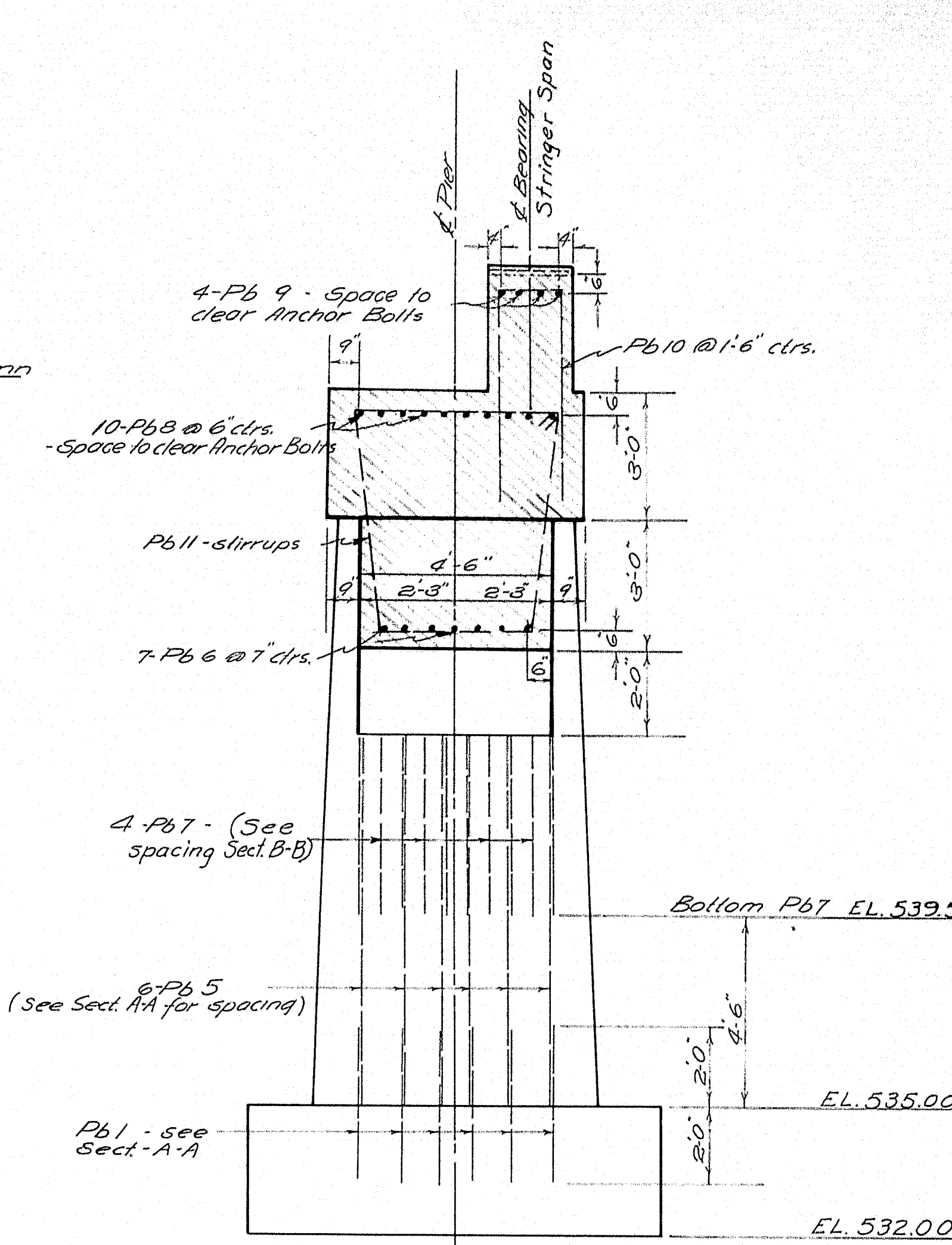
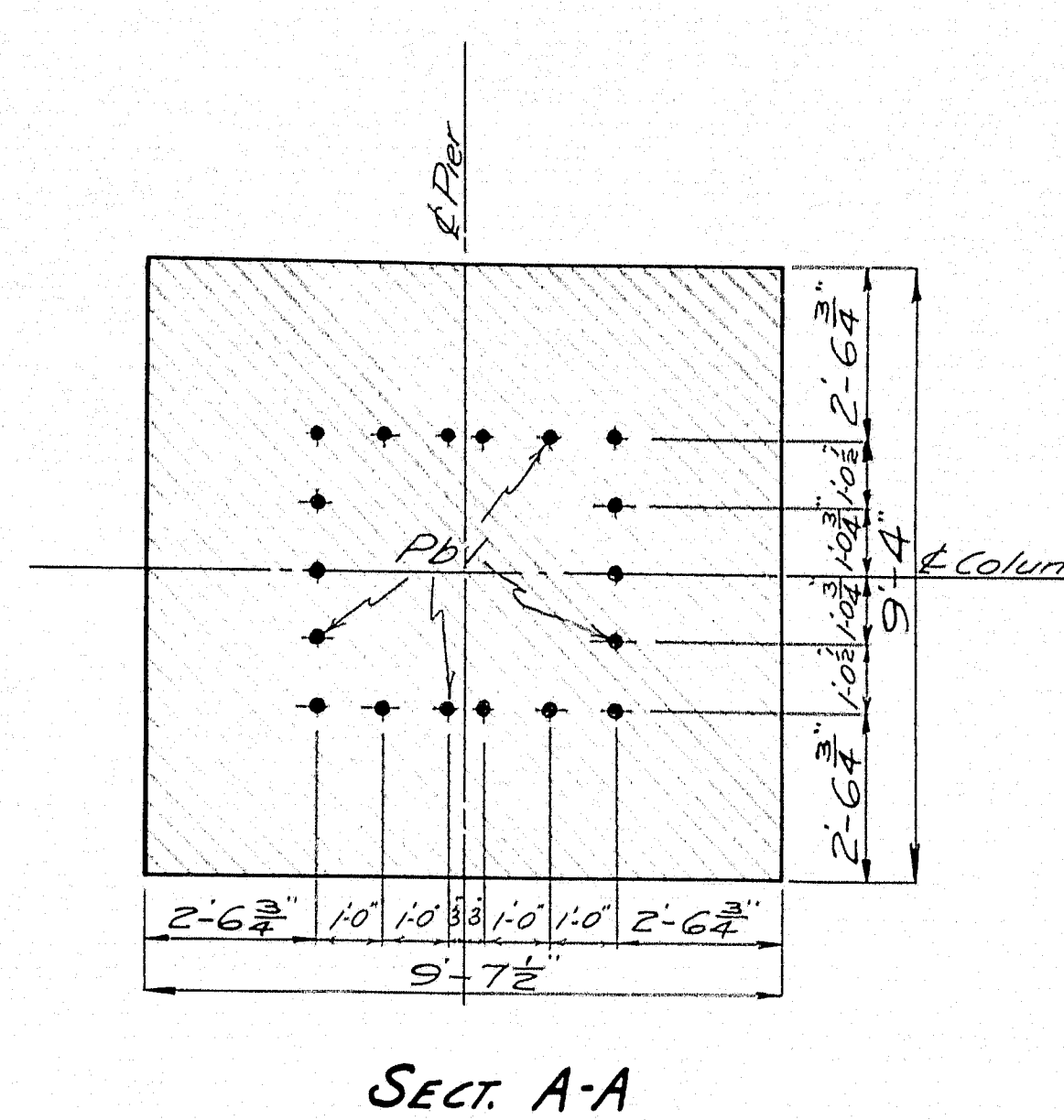
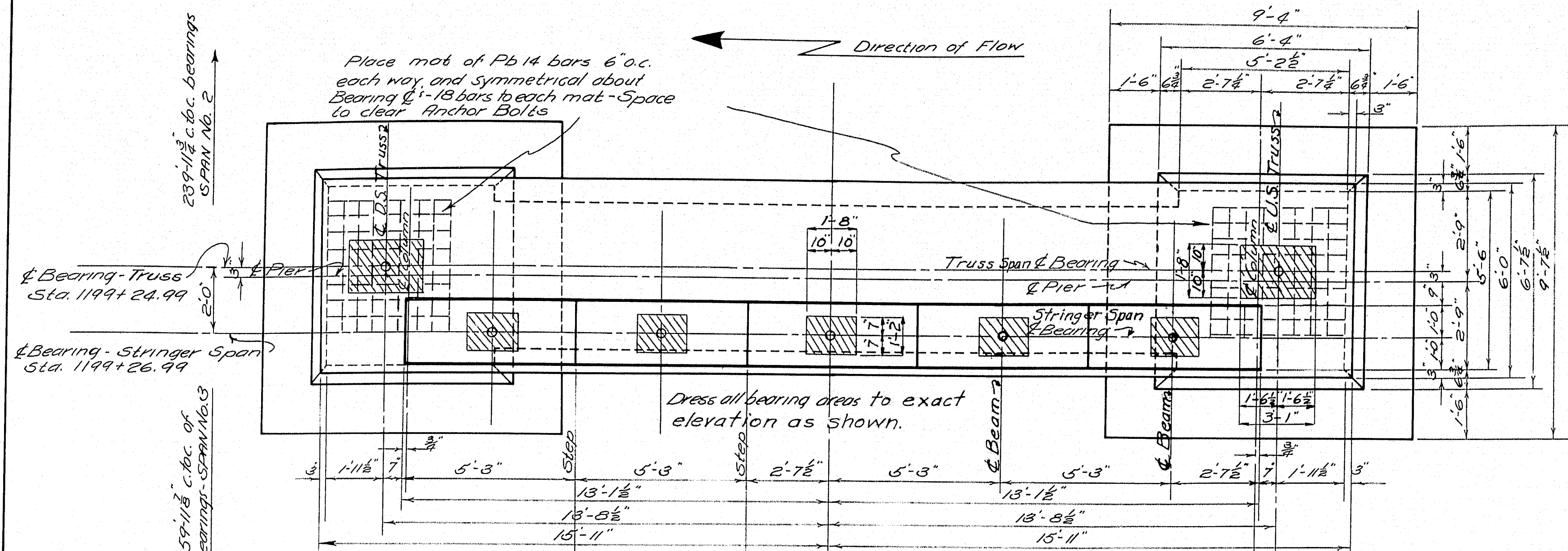


DETAILS - PIER #1



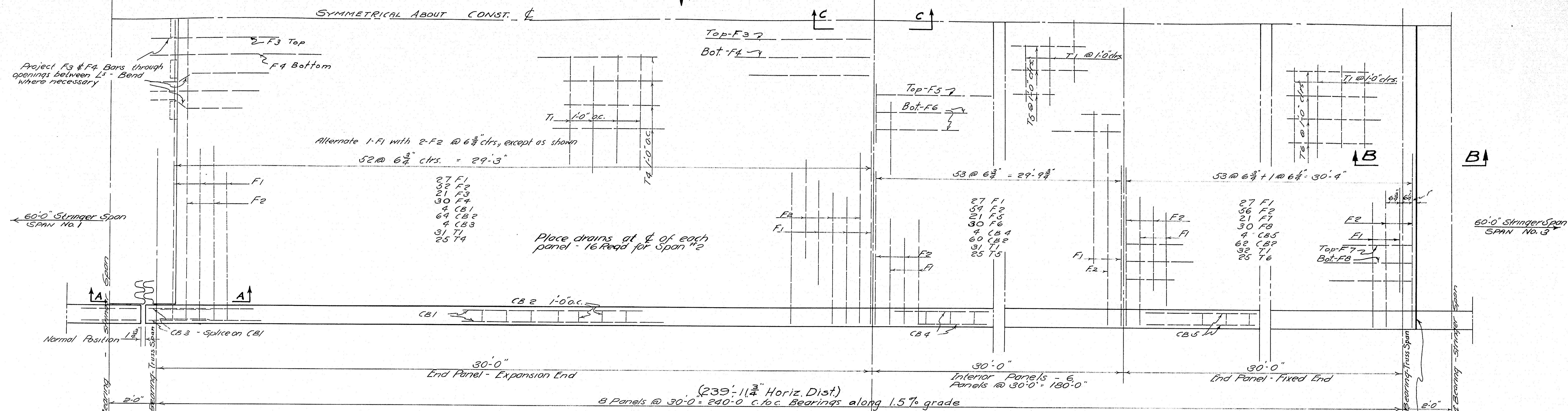
DESIGN - HAMILTON	BRIDGE - 3666
DETAILED - YOUNG	
TRACED - L.J.B.	
CHECKED - L.J.B.	
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
WEST BRANCH BRIDGE OVER WEST BRANCH-PENOBSCOT RIVER	
TOWNSHIP 3 - INDIAN PURCHASE PENOBSCOT COUNTY	
PIER NO. 1	

SHEET 7 OF 11 AUGUSTA, MAINE MARCH 1948

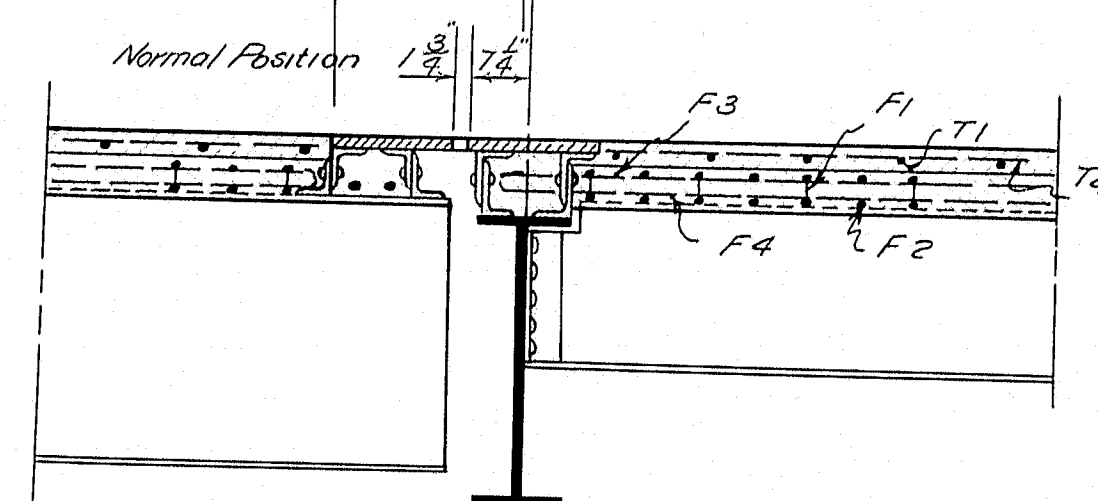


DETAILS - PIER #2

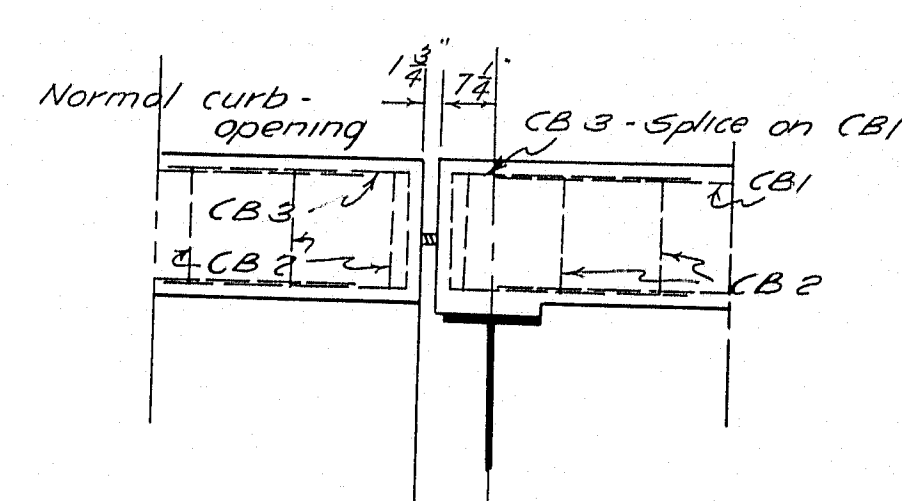
DESIGNED - HAMILTON	BRIDGE - 3666
TRACED - L. J. B.	
STATE HIGHWAY COMMISSION	
BRIDGE DIVISION	
WEST BRANCH BRIDGE	
OVER	
WEST BRANCH PENOBSCOT RIVER	
TOWNSHIP 3 - INDIAN PURCHASE	
PENOBSCOT COUNTY	
PIER NO. 2	
SHEET 5 OF 11 AUGUSTA, MAINE MARCH 1948	



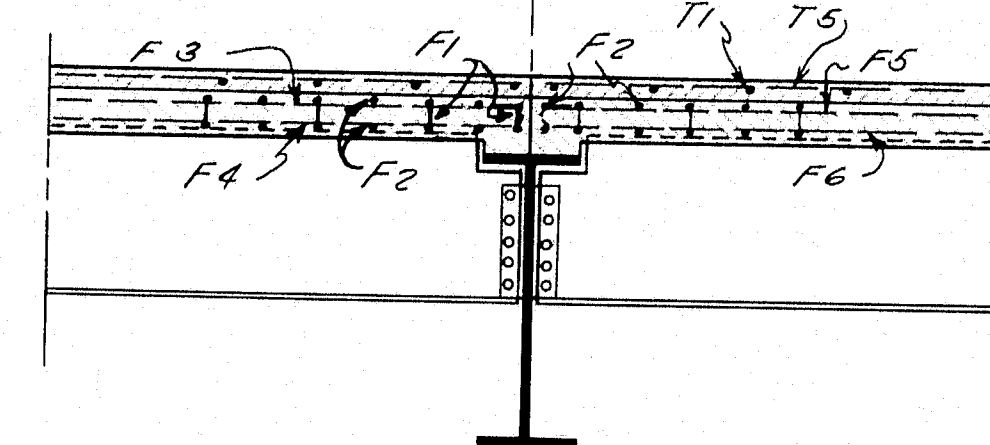
PLAN - SPAN #2



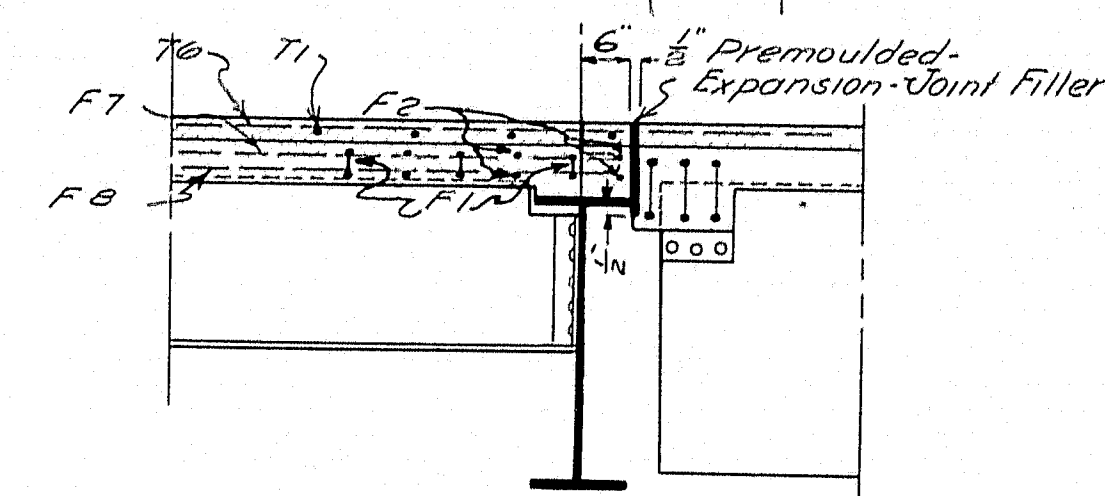
SECT A-A



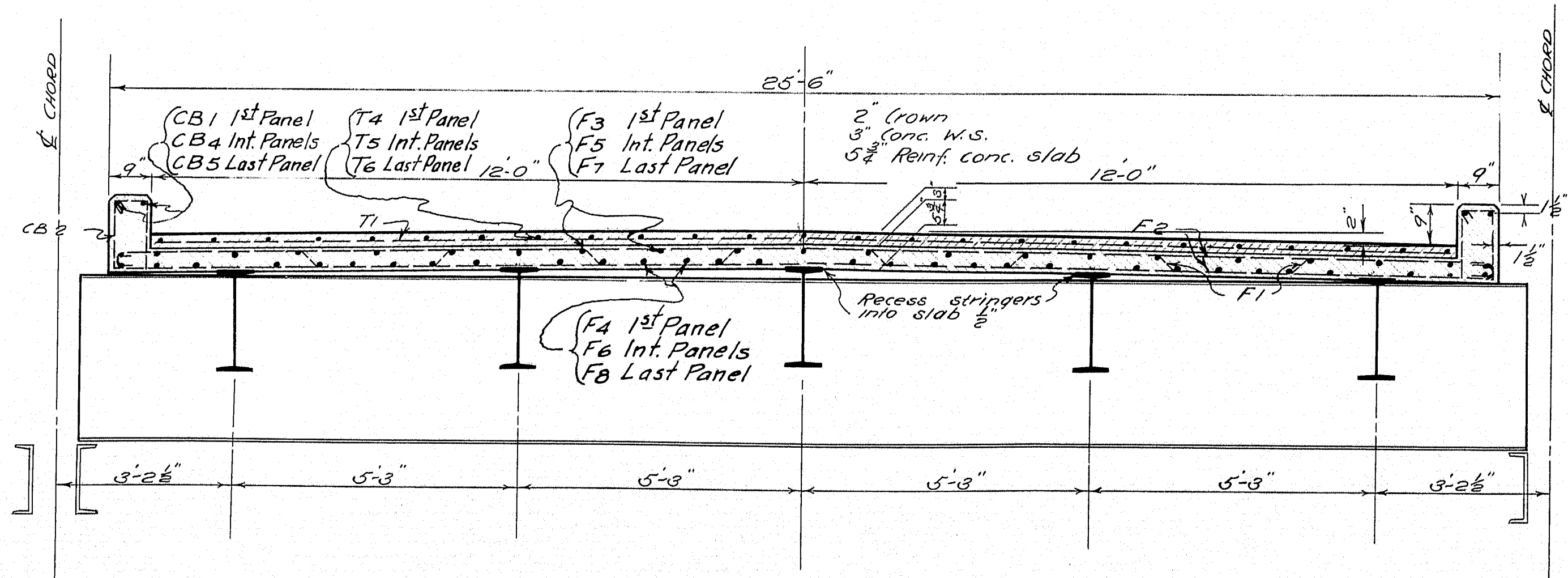
SIDE VIEW - CURB AT EXPANSION JOINT



SECT C-C (All internal joints)

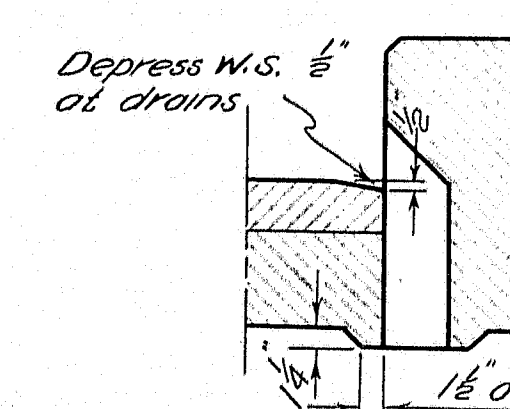


SECT B-B



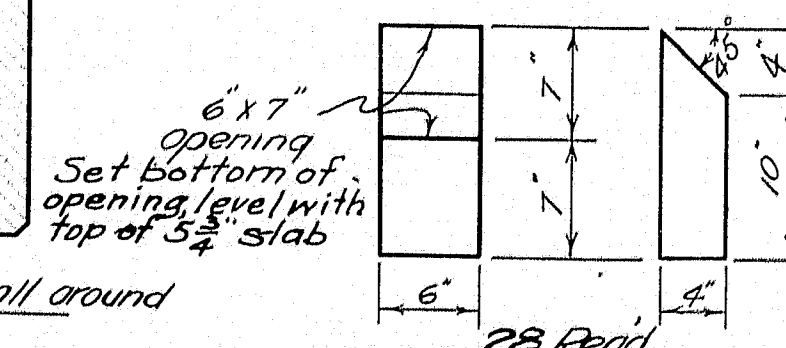
TYPICAL TRANSVERSE SECTION

1" Min. cover for reinf. steel except as shown



SECT. THROUGH CURB (AT DRAIN)

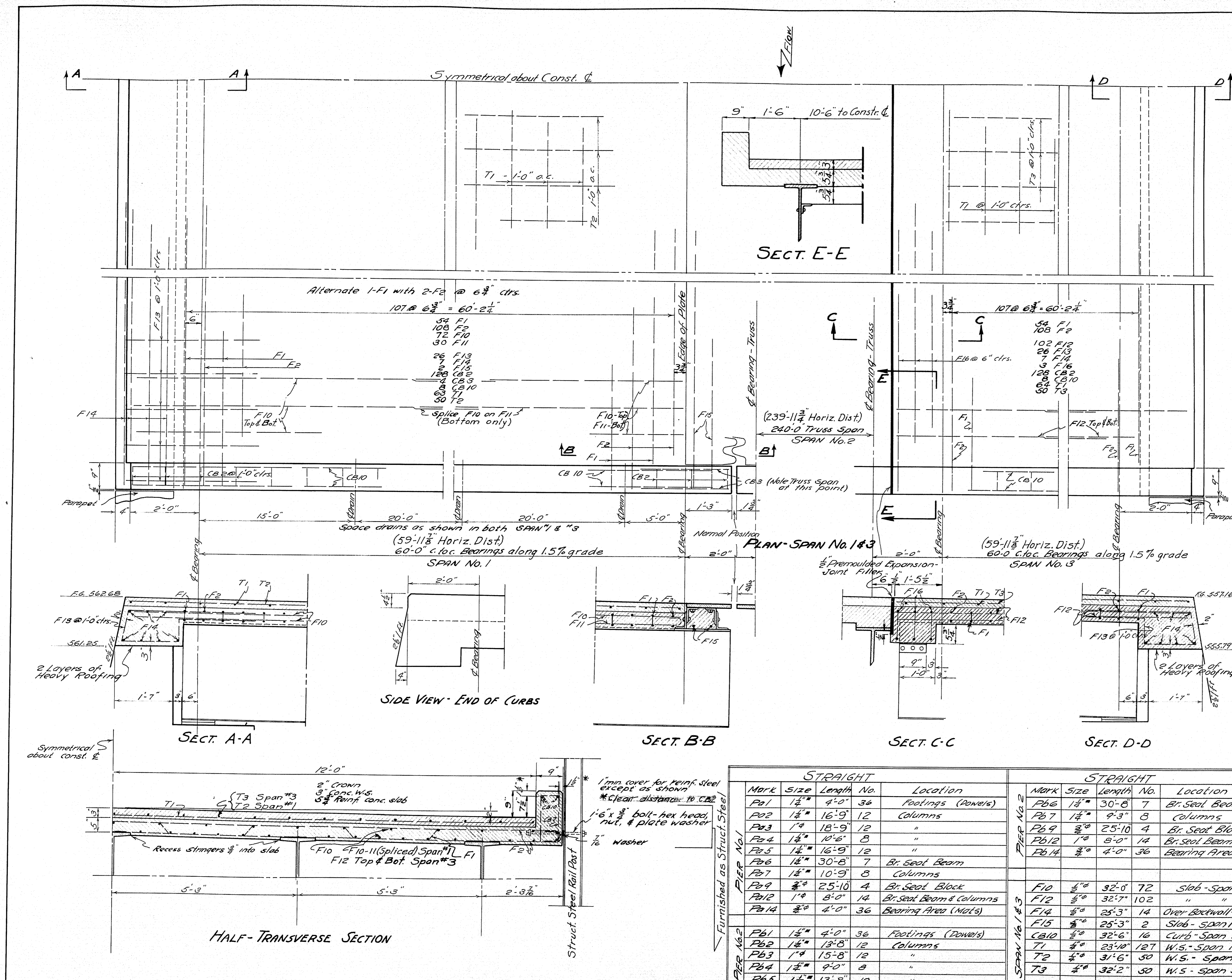
Use No. 24 Gage Gal. Iron



DRAIN DETAILS - SPANS #1-2-3 (See Plan Views for spacing)

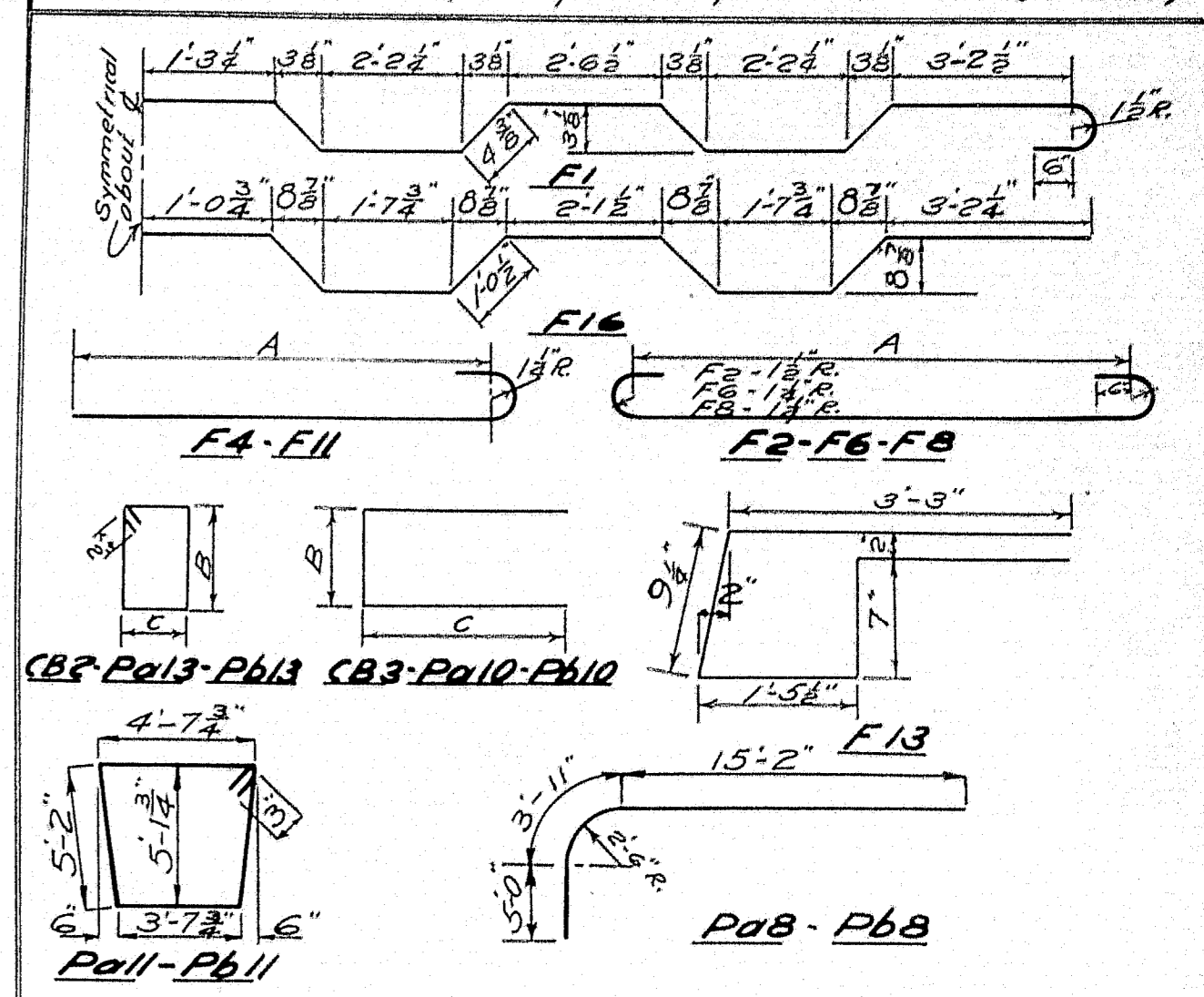
FLOOR SLAB AND CURB DETAILS - SPAN No. 2

DESIGN - HAMILTON	BRIDGE - 3666
DETAILED - YOUNG	
CHECKED - L.J.B.	
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
WEST BRANCH BRIDGE	
OVER	
WEST BRANCH - PENOBSCOT RIVER	
TOWNSHIP 3 - INDIAN PURCHASE	
PENOBSCOT COUNTY	
FLOOR SLAB - SPAN NO. 2	
SHEET 6 OF 11 AUGUSTA, MAINE MARCH 1948	



REINF STEEL SCHEDULE - PIERS & SLAB

(See Sheet 3 of 11 for Reinf Steel in Abutments)



BENT									
Mark	Size	No.	A	B	C	Length	Location		
F1	3/4"	324	27'-6"	—	—	27'-6"	Slab - All spans		
F2	3/4"	648	24'-11 1/2"	—	—	26'-9"	"		
CB2	3/4"	742	—	1'-3"	0'-5 1/2"	3'-10"	Curb - All spans		
CB3	3/4"	8	—	1'-2 1/2"	2'-6"	6'-2"	Curb - At Exp. Jct.		
F4	3/4"	30	29'-10 1/2"	—	—	30'-8 1/2"	Slab - Span #2, 1st Pan.		
F6	3/4"	180	27'-7"	—	—	31'-3"	"		
F8	3/4"	30	30'-1"	—	—	31'-9"	"		
F11	3/4"	30	31'-11"	—	—	32'-9"	Span #1 - Slab		
F13	3/4"	32	—	—	—	31'-1"	Span #1 & 3 - End Slab		
F16	3/4"	3	—	—	—	27'-8"	Span #3 - Slab		
PB8	1 1/2"	20	—	—	—	24'-1"	Pier #1 - Br. Seat Bm.		
PB10	1 1/2"	18	—	1'-5 1/2"	4'-6"	10'-5"	Pier #1 - Br. Seat Block		
PB11	1 1/2"	17	—	—	—	19'-1 1/2"	" - Br. Seat Beam		
PB13	1 1/2"	22	—	4'-4 1/2"	4'-7 1/2"	18'-4"	" - Columns		
PB8	1 1/2"	20	—	—	—	24'-1"	Pier #2 - Br. Seat Beam		
PB10	1 1/2"	18	—	1'-5 1/2"	4'-6"	10'-5"	" - Br. Seat Block		
PB11	1 1/2"	17	—	—	—	19'-1 1/2"	" - Br. Seat Beam		
PB13	1 1/2"	18	—	4'-4 1/2"	4'-7 1/2"	18'-4"	" - Columns		

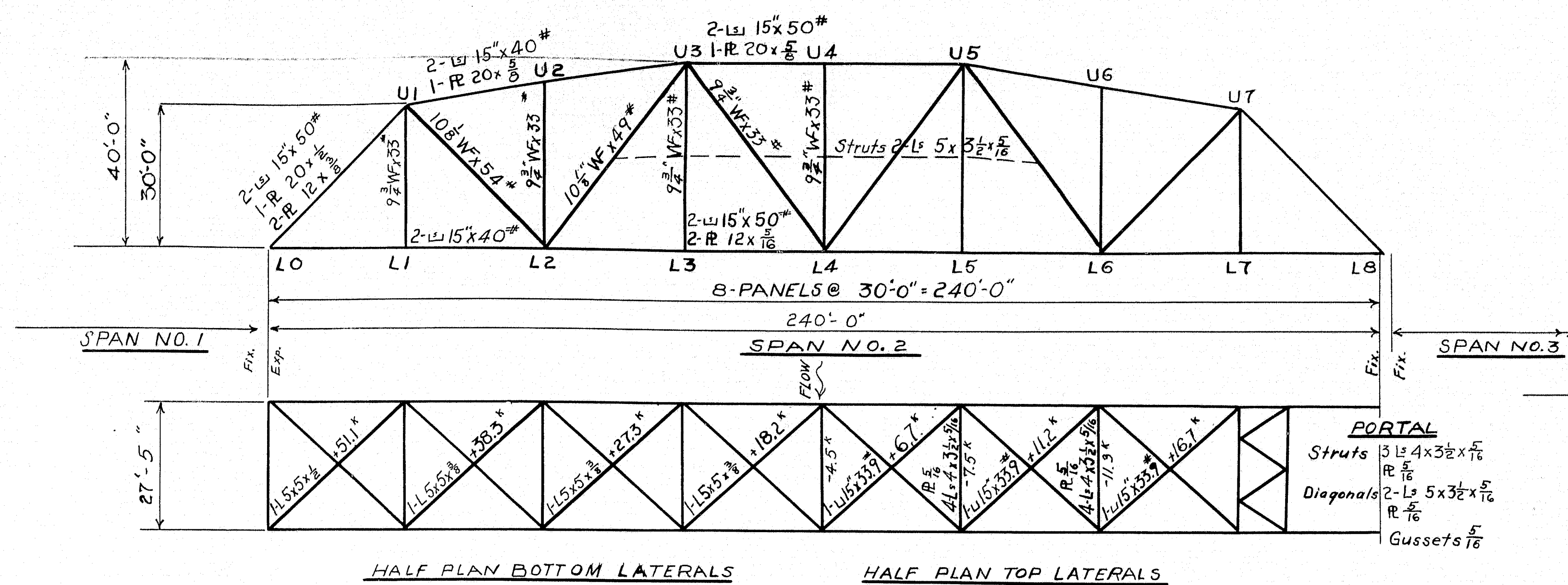
STRAIGHT									
Mark	Size	Length	No.	Location					
F3	3/4"	30'-0"	21	Slab - 1st panel					
F5	3/4"	29'-10"	126	" - Interior panels					
F7	3/4"	30'-4"	21	" - Last panel					
CB1	3/4"	30'-0"	4	Curb - 1st panel					
CB4	3/4"	29'-10"	24	" - Interior panels					
CB5	3/4"	30'-4"	4	" - Last panel					
T4	3/4"	29'-1"	25	W.S. - 1st panel					
T5	3/4"	29'-10"	150	W.S. - Interior panels					
T6	3/4"	30'-4"	25	W.S. - Last panel					
T1	3/4"	23'-10"	249	W.S. - All panels					

Note: All steel dimensions to center of bars.

DESIGN - HAMILTON
DETAILED - YOUNG
CHECKED - L.J.B.

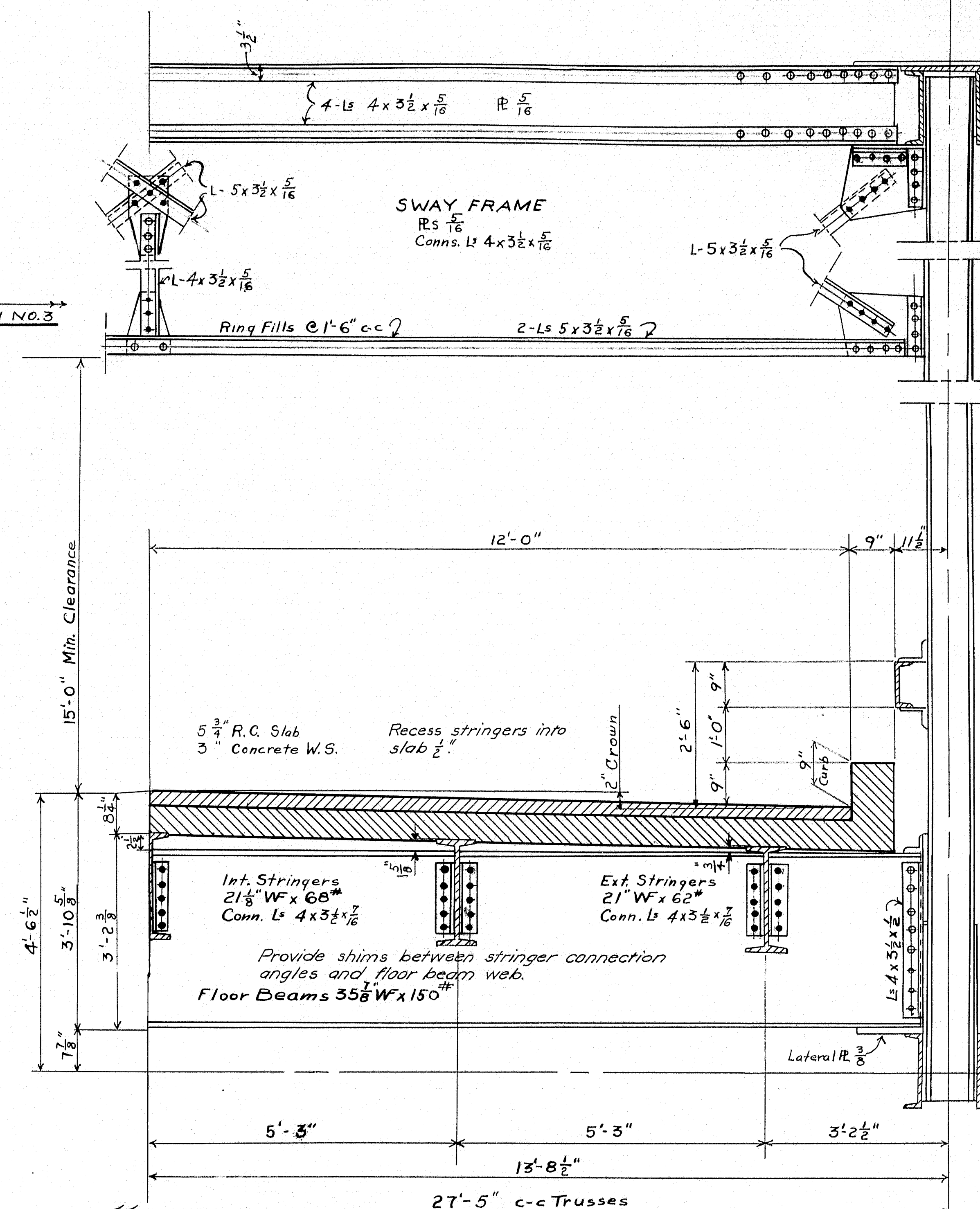
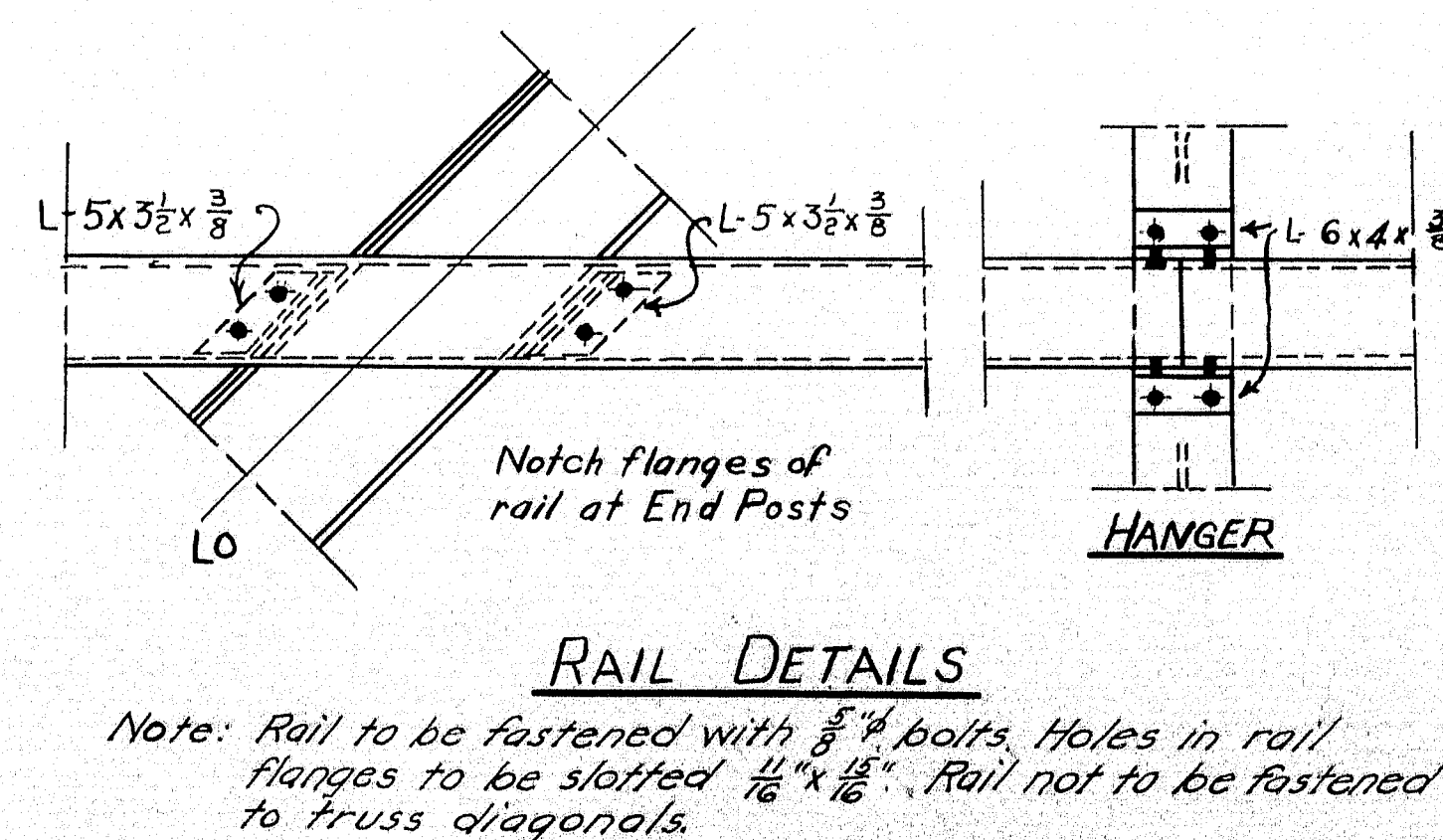
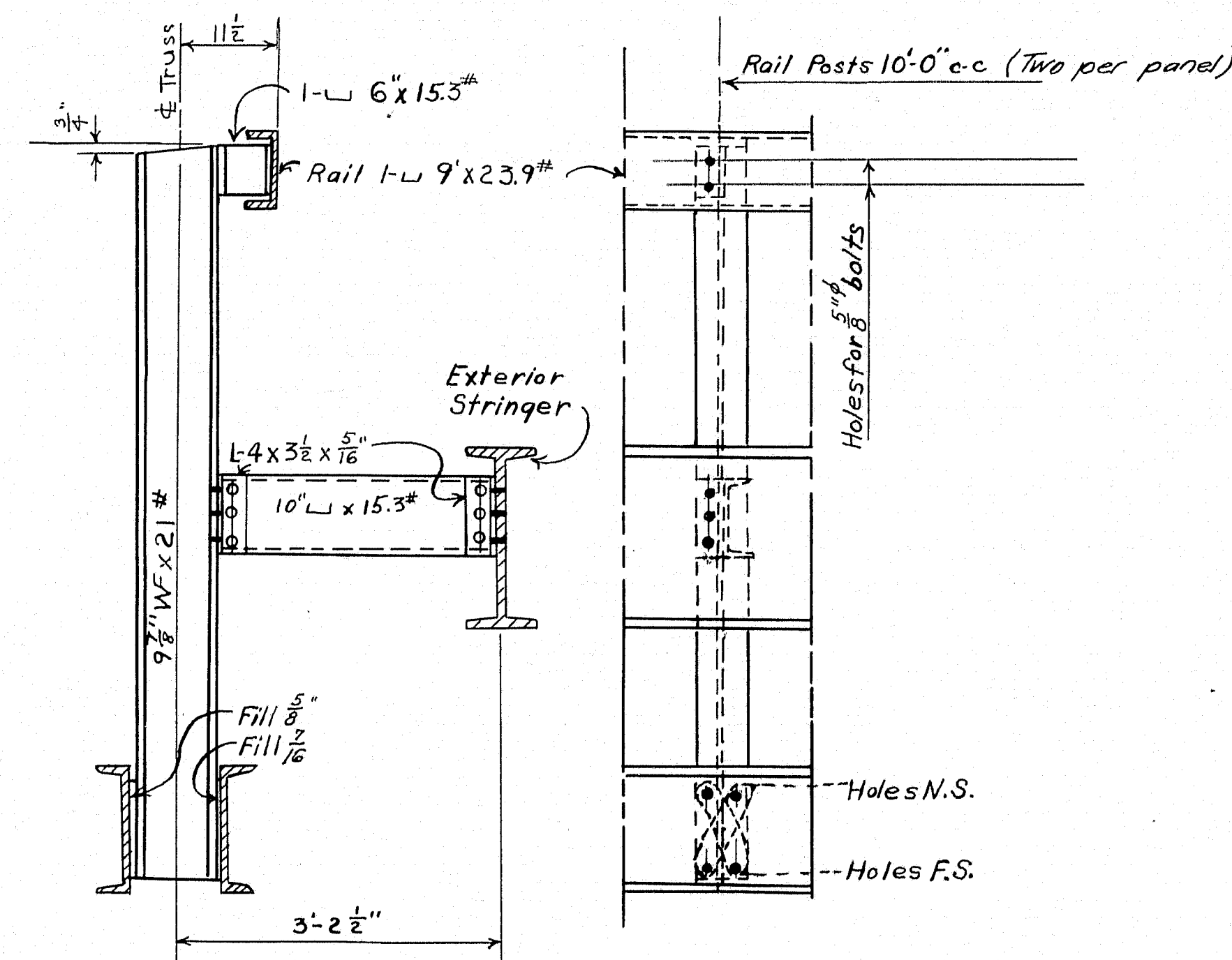
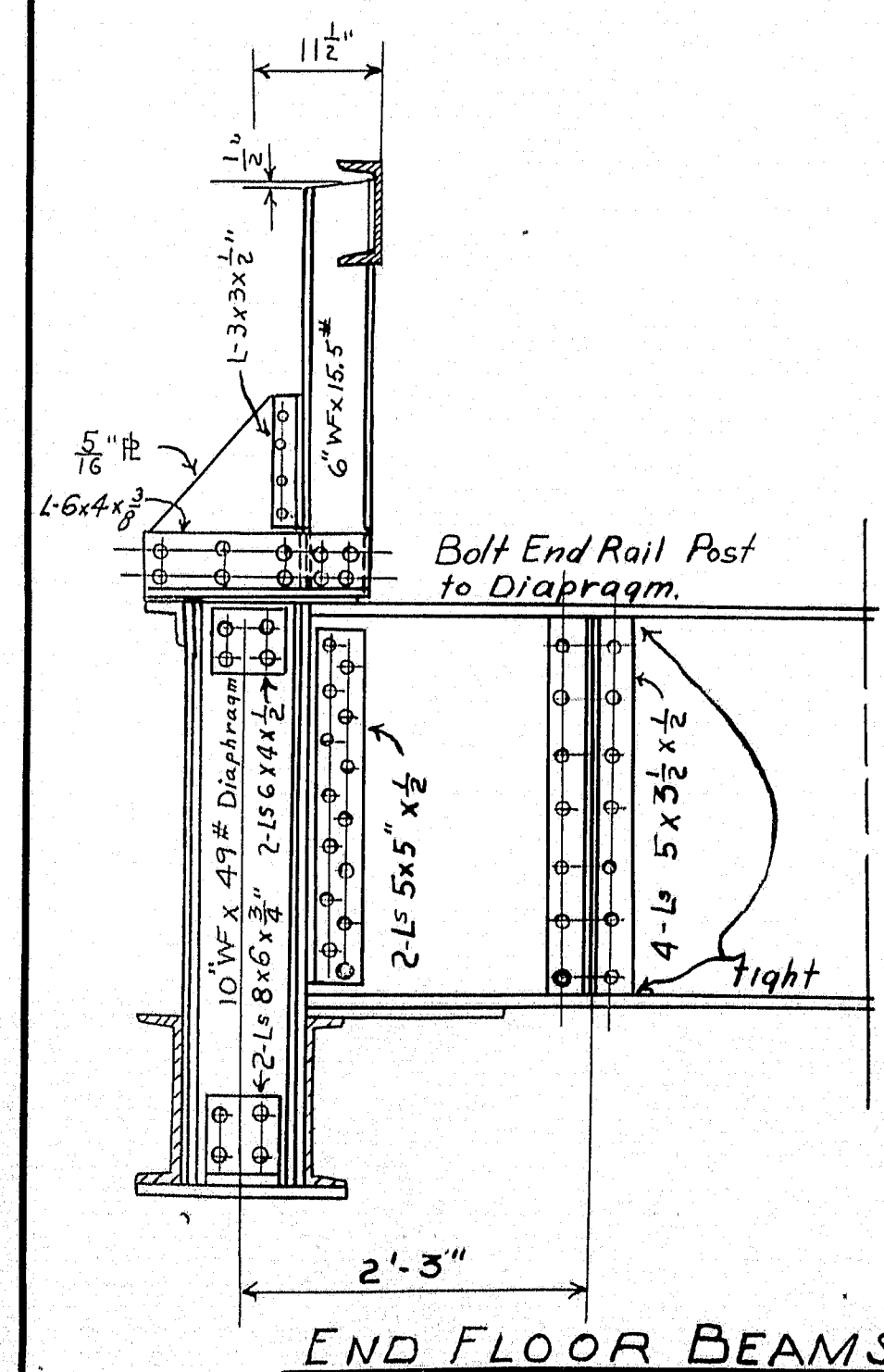
BRIDGE - 3666

STATE HIGHWAY COMMISSION
BRIDGE DIVISION
WEST BRANCH BRIDGE
OVER
WEST BRANCH-PENOBSCOT RIVER
TOWNSHIP 3 - INDIAN PURCHASE
PENOBSCOT COUNTY
FLOOR SLAB - SPAN NO. 1 & 3
SHEET 7 OF 11 AUGUSTA, MAINE MARCH 1948



Member	Stress in Kips		Design Section
	D.L.	L.L.+I.	
LO U1	-356.4	-107.4	-463.8 2x15x50 1/2" 18x3/8"
U1 U3	-375.3	-113.0	-488.3 2x15x40* 1/2" 18x3/8"
U3 U4	-452.0	-130.2	-582.2 2x15x50* 1/2" 18x3/8"
L0 L2	+252.0	+76.0	+328.0 2x15x40*
L2 L4	+405.4	+122.2	+527.6 2x15x50 2R 12x5/16"
U1 L2	+167.3	+83.5	+250.8 10x5x54*
L2 U3	-57.6	-32.4	-90.0 10x5x49*
U3 L4	+45.0	+24.4	+69.4 9x5x33*
U1 L1	+72.0	+47.2	+119.2 9x5x33*
U2 L2	0	0	0 9x5x33*
U3 L3	+72.0	+47.2	+119.2 9x5x33*
U4 L4	0	0	0 9x5x33*

* Direct load due to wind = 17.0 kips.
 Bending moment due to wind = 1,100,000" #
 Dead load = 2,300" #/lf. of truss
 Length of bottom chord to be maintained
 as shown under full dead load.



END FLOOR BEAM (EXPANSION)

H-15-44 Loading
 State of Maine State Highway
 Commission - Bridge Division
 Specifications, 1945. STEEL HIGHWAY BRIDGES
 Rivets 5/8" unless otherwise noted.
 Note: Holes for field connections
 and field splices of main members
 shall be sub-punched and reamed to
 a steel template or reamed assembled.

DESIGN - HAMILTON
 TRACED - MAGUIRE
 CHECKED - 7/22

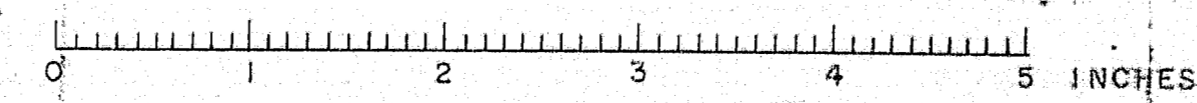
BRIDGE - 3666

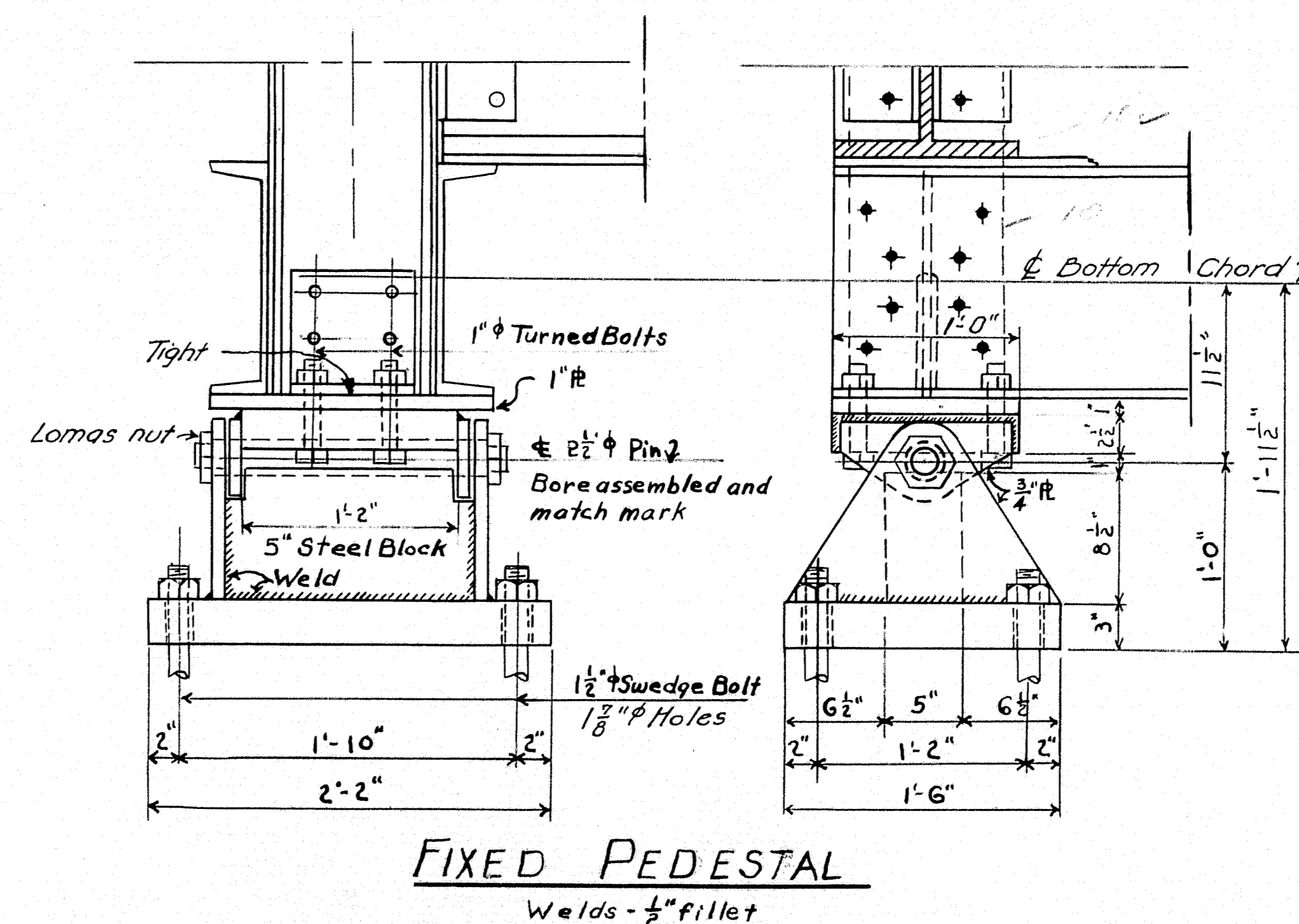
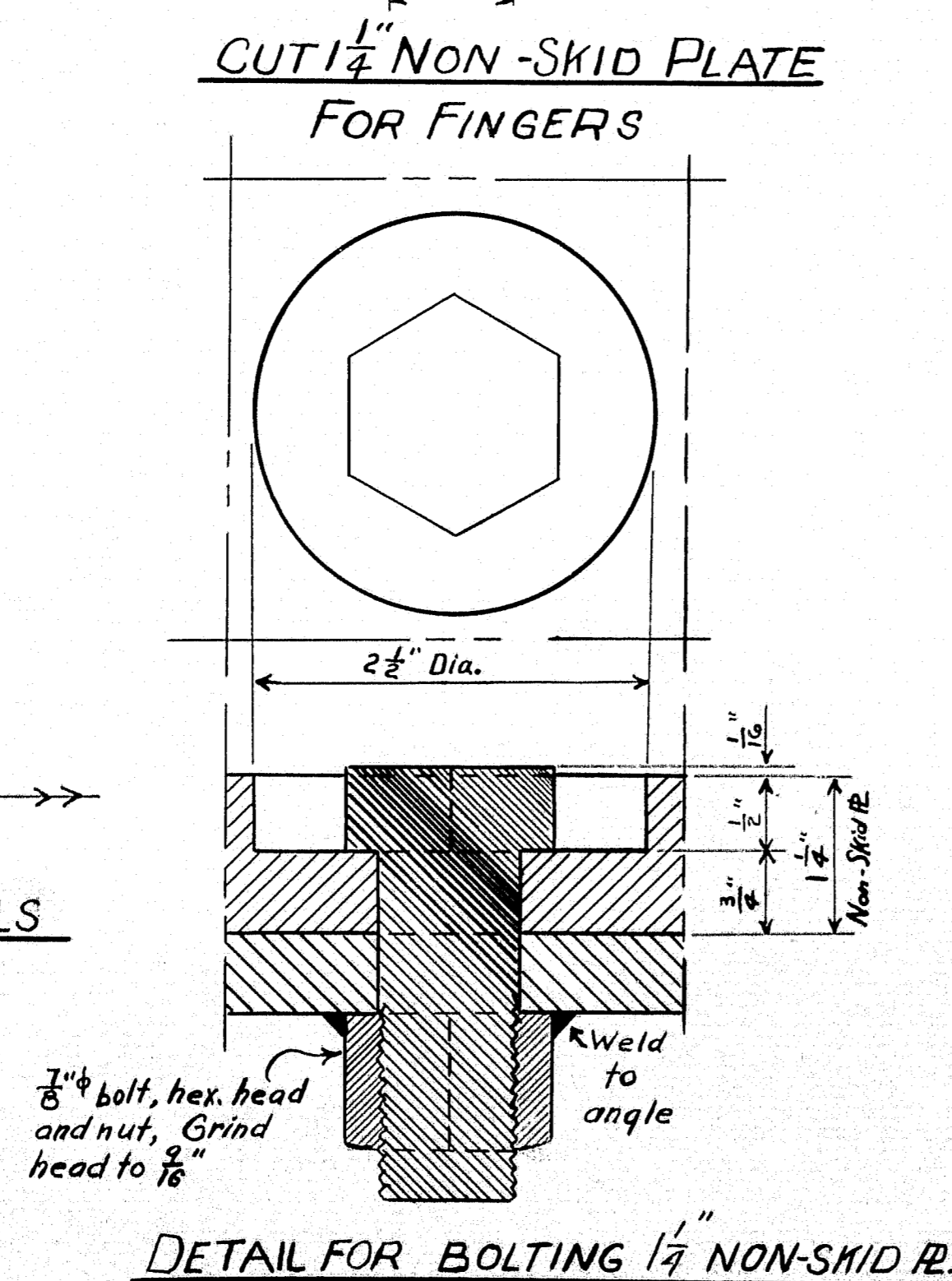
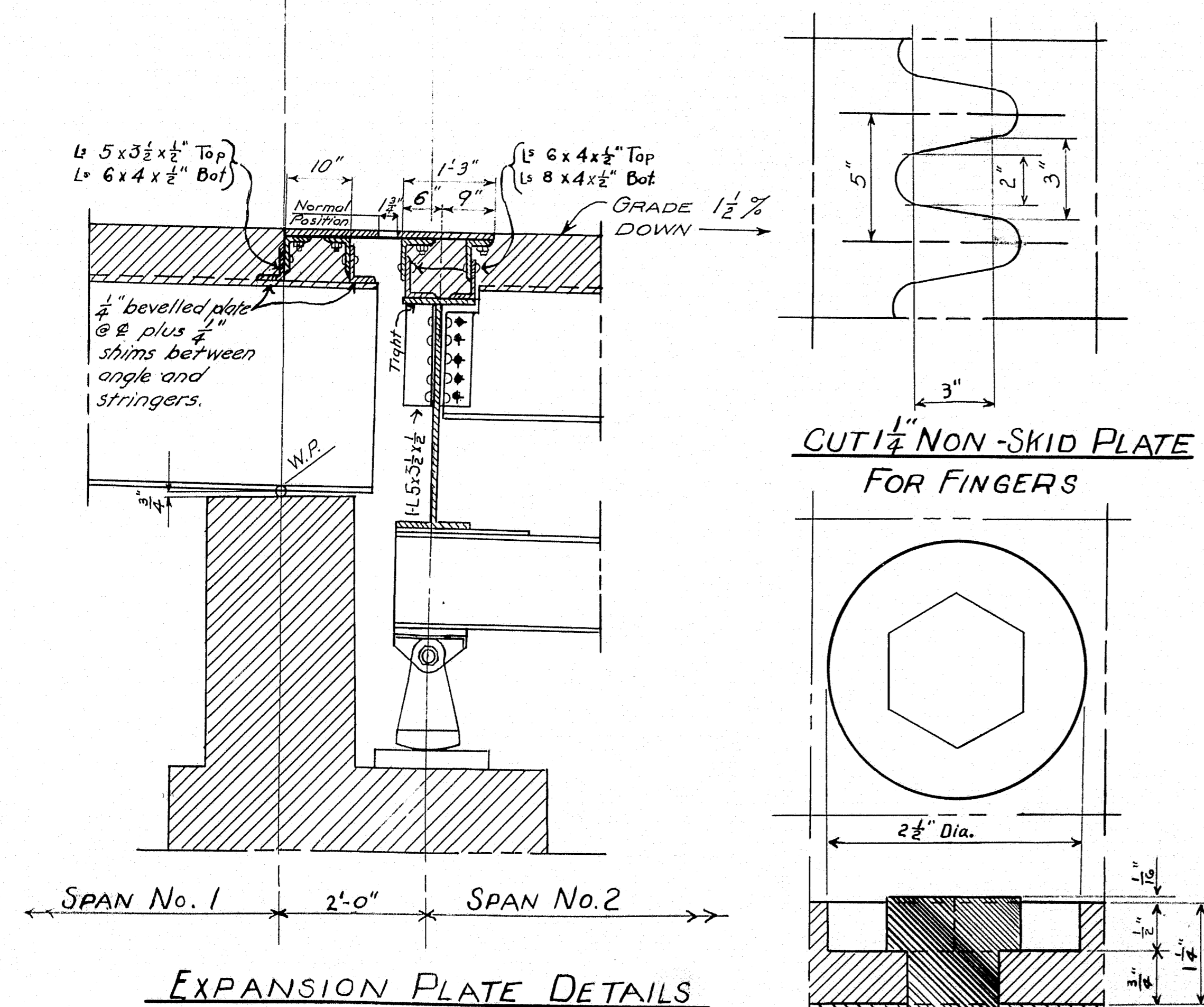
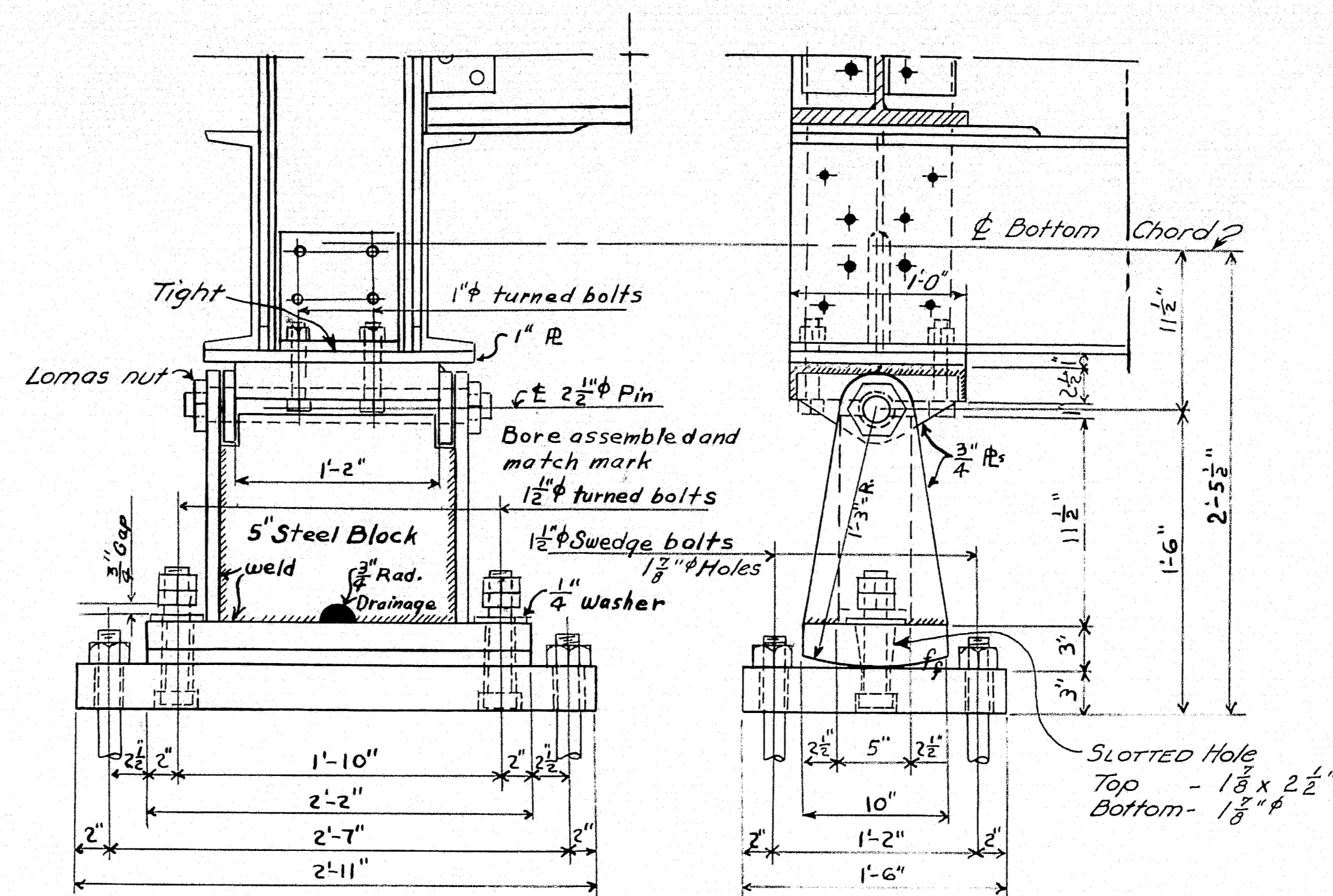
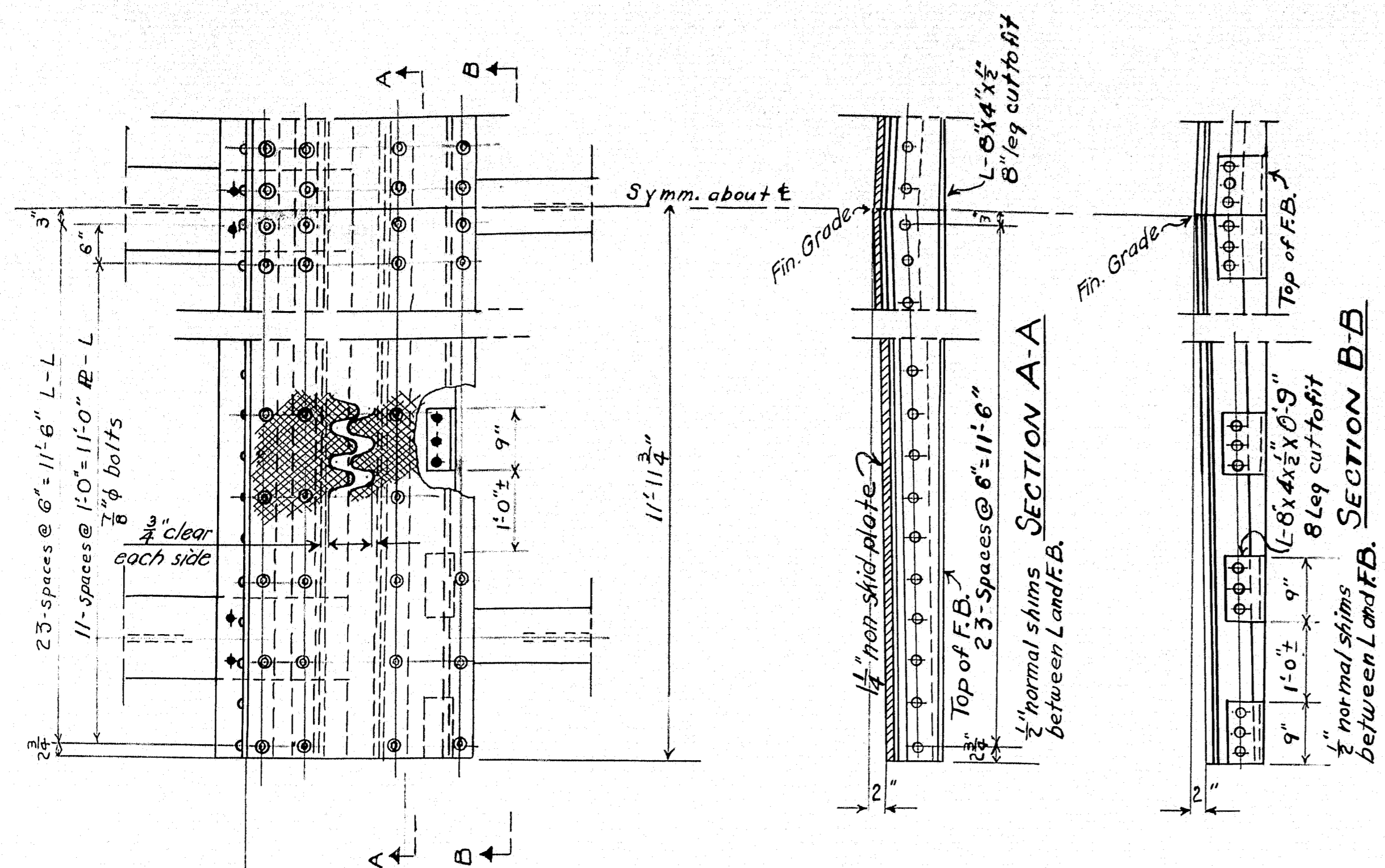
STATE HIGHWAY COMMISSION
 BRIDGE DIVISION

WEST BRANCH BRIDGE
 OVER
 WEST BRANCH - PENOBSCOT RIVER
 TOWNSHIP 3 - INDIAN PURCHASE
 PENOBSCOT COUNTY

STRUCTURAL STEEL DETAILS - SPAN NO. 2

SHEET 2 OF 11 AUGUSTA, MAINE JUNE 1947





Rivets $\frac{7}{8}$ "
Holes $\frac{15}{16}$ "

DESIGN -- HAMILTON TRACED -- MAGUIRE CHECKED -- <i>[Signature]</i>	BRIDGE -- 3666
--------------------------------------------------------------------------	----------------

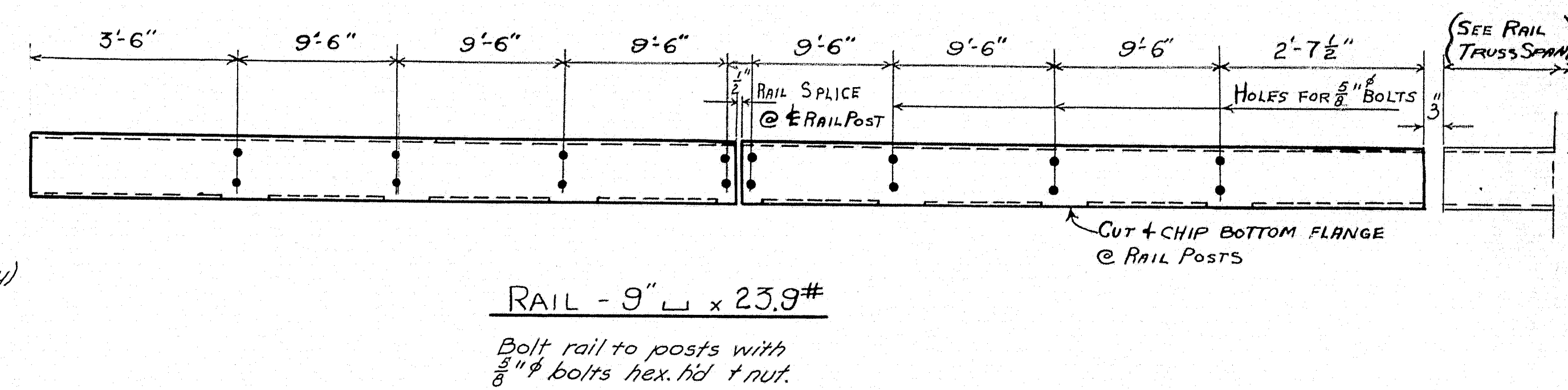
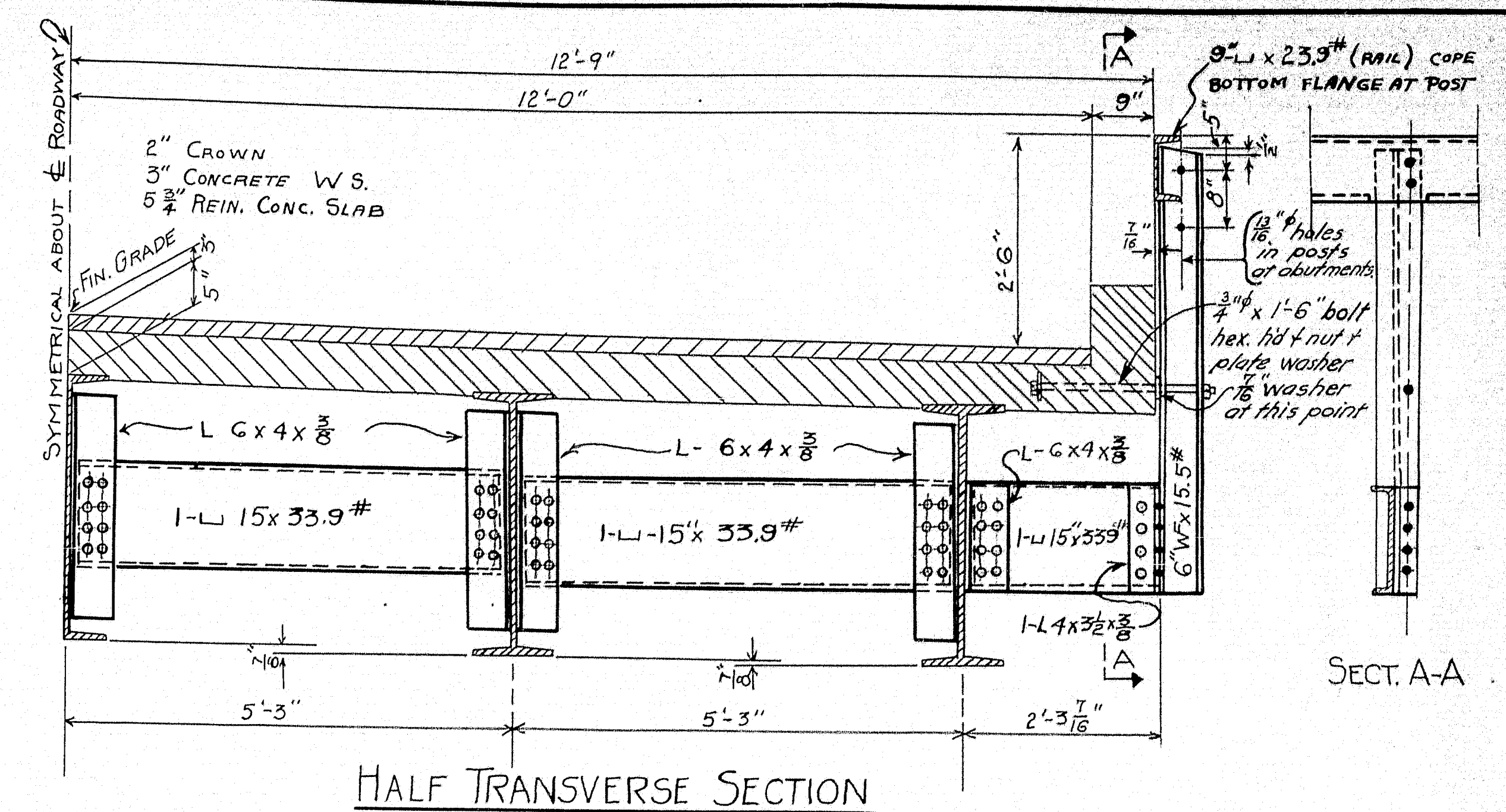
STATE HIGHWAY COMMISSION
BRIDGE DIVISION

WEST BRANCH BRIDGE
OVER

WEST BRANCH-PENOBSCOT RIVER
TOWNSHIP 3 -- INDIAN PURCHASE
PENOBSCOT COUNTY

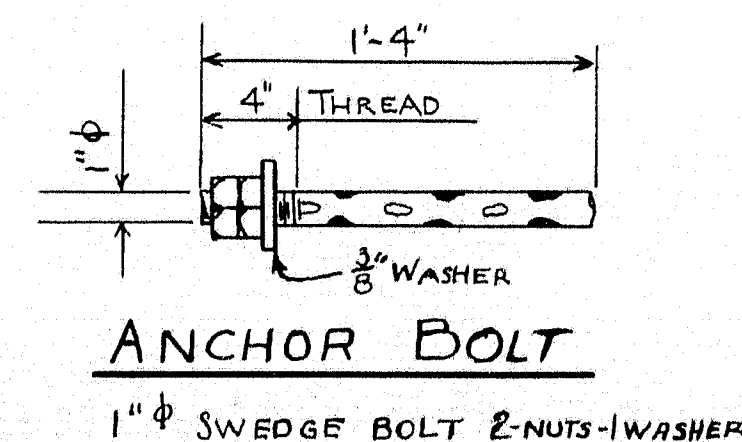
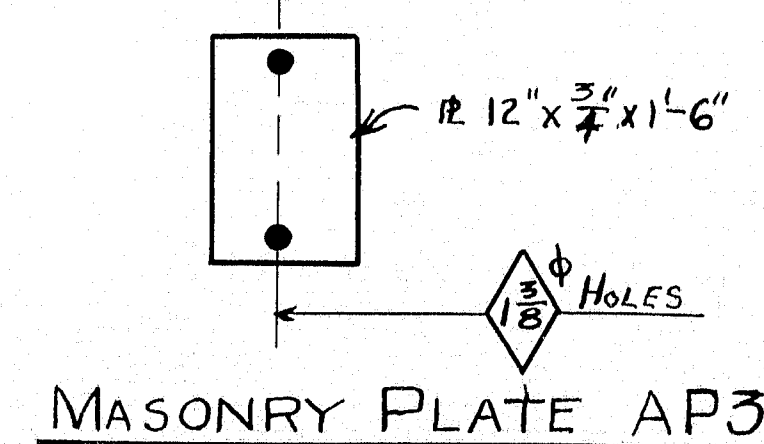
EXPANSION PLATES AND PEDESTALS

SHEET *10* OF *11* AUGUSTA, MAINE JUNE *1934*



M-15-44 LOADING
STATE OF MAINE - STATE HIGHWAY
COMMISSION - BRIDGE DIVISION SPEC-
IFICATIONS, 1945. STEEL HIGHWAY BRIDGES.
RIVETS $\frac{3}{4}$ " ϕ UNLESS OTHERWISE NOTED,
HOLES $\frac{13}{16}$ " " " "

33 $\frac{1}{8}$ " W _F X 130 [#] X 61'-9"	-----	G1	2	REQD
33 $\frac{1}{8}$ " W _F X 150 [#] X 61'-9"	-----	G2	3	"
33 $\frac{1}{8}$ " W _F X 130 [#] X 61'-9"	-----	G3	2	"
33 $\frac{1}{8}$ " W _F X 130 [#] X 61'-9"	-----	G4	3	"



DESIGN — HAMILTON TRACED — MAQUIRE CHECKED — <i>MC</i>	BRIDGE — 3666
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
WEST BRANCH BRIDGE OVER WEST BRANCH-PENOBSCOT RIVER TOWNSHIP 3-INDIAN PURCHASE PENOBSCOT COUNTY	
STRUCTURAL STEEL DETAILS-SPANS 1 & 3	
SHEET 77 OF 77	AUGUSTA, MAINE
JUNE 1, 1947.	

SKETCH, SHOP AND SHIPPING BILL
AMERICAN BRIDGE COMPANY

SKETCH	NO.	PCB.	MARK	MATERIAL		LENGTH	NO.	ORDERED		SHIPMENTS	
				SHAPE	SIZE			LENGTH	ITEM		
<p>Anchor Bolt - A1</p>	40		A1	1" Rod	1/2"	4					
	40			Washers	2 1/2"	3/8"					5
				1/4" Hole							5
	80			Hex Nuts	1"	Tap					5
<p>Bolt - X1</p>	28	X1		3/4" Bolt	1"	6				5	
	28			Washers	2 1/2"	1/2"					5
	28			Washers	2 1/2"	1/2"					5
	56			Hex Nuts	3/4"	Tap					5

Anchor Bolts

Paint - No

DATE: 2-12-38

DATE: 3/8

DATE: 10-40

DRAWN BY: Wheeler

AMERICAN BRIDGE COMPANY

ORDER NO. J4932B

SHEET NO. C1

NAME OF STRUCTURE: W. BRANCH BRIDGE OVER WEST BRANCH PENOBSCOT RIVER, PENOBSCOT COUNTY, ME. BRIDGE No. 3666

45-170

FORM D-58
SKETCH, SHOP AND SHIPPING BILL
AMERICAN BRIDGE COMPANY
UNITED STATES STEEL CORPORATION SUBSIDIARY

LINE NO.	NO. PCS.	MARK	MATERIAL		CALCULATED WEIGHT FOR USE MEMBER	ORDERED		SHIPMENT'S
			SHAPE	LENGTH FT. INCH.		NO. PCS.	LENGTH FT. INCH.	
1								
2								
3								
4								
5								
6	60	CC	1201 Corus 13 1/2	17		Amb Reg 45	554	
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17			1. 1/2" x 1/2" x 1/2" x 1/2"					S
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
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31								
32								
33								
34								
35								
36								
37								
38								
39								
40								
41								
42								
43								
44								
45								
46								

SKETCH	1/2" Holes
--------	------------

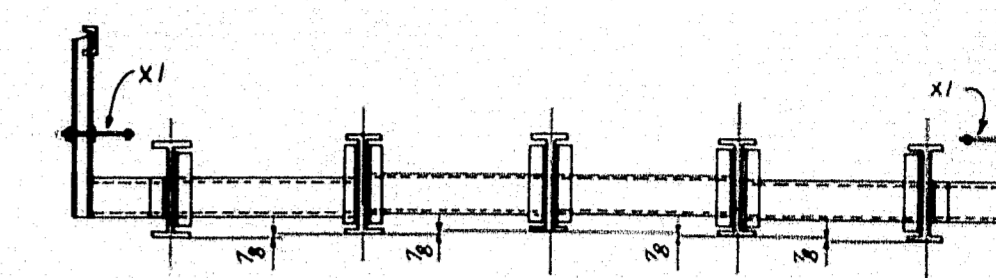
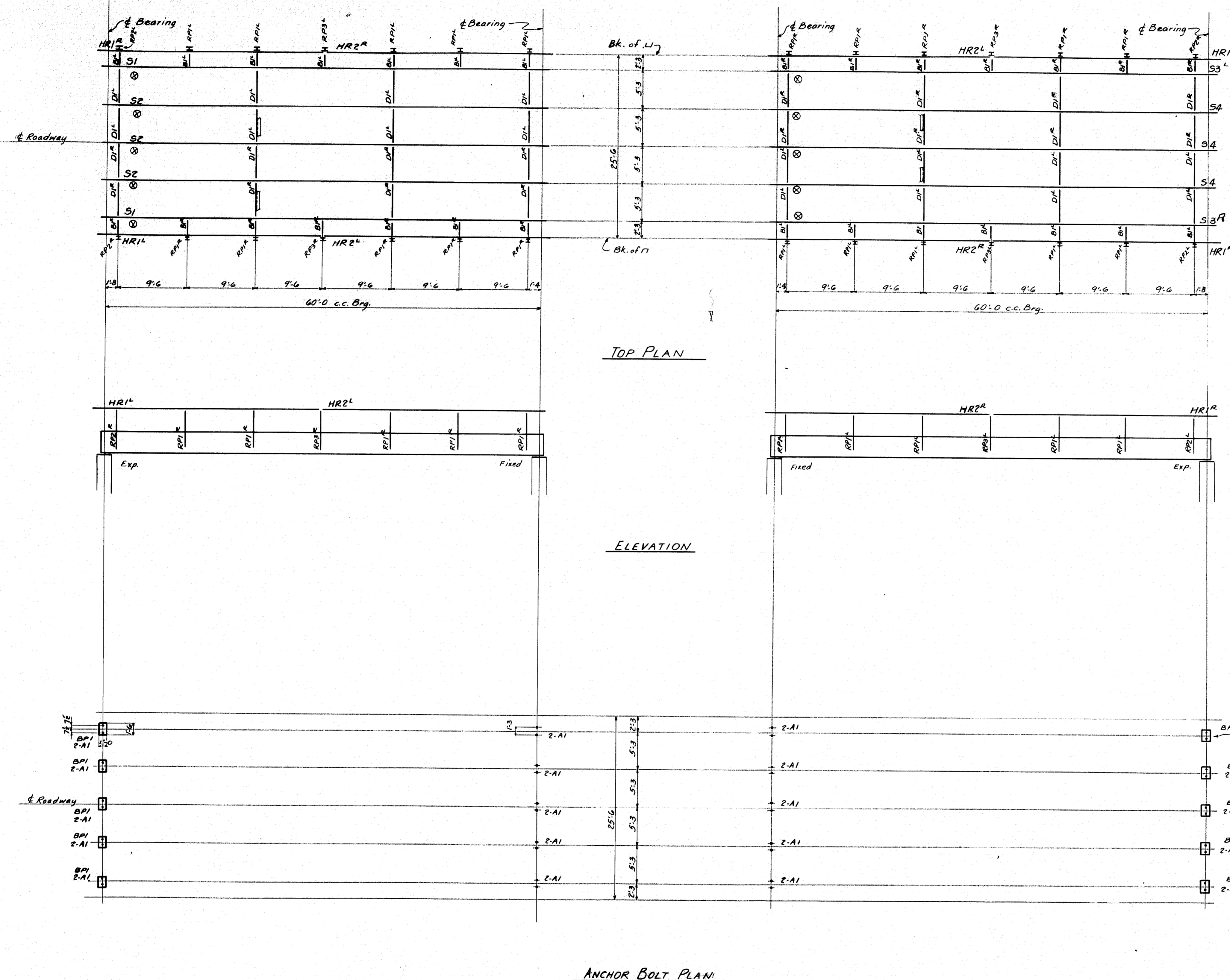
REVISED	NO. OF	DATE	BY

NAME OF STRUCTURE	BRIDGE - Penobscot Co. Maine
-------------------	------------------------------

IN CHARGE OF	AMB 3
ORDER NO.	J4932-B
SHEET NO.	CS

MN 3-19-40
W. ... 5-17-41
Penobscot Co. Maine
BRIDGE No. 3666
45-171

0 1 2 3 4 5 INCHES

[illegible]

CROSS SECTION

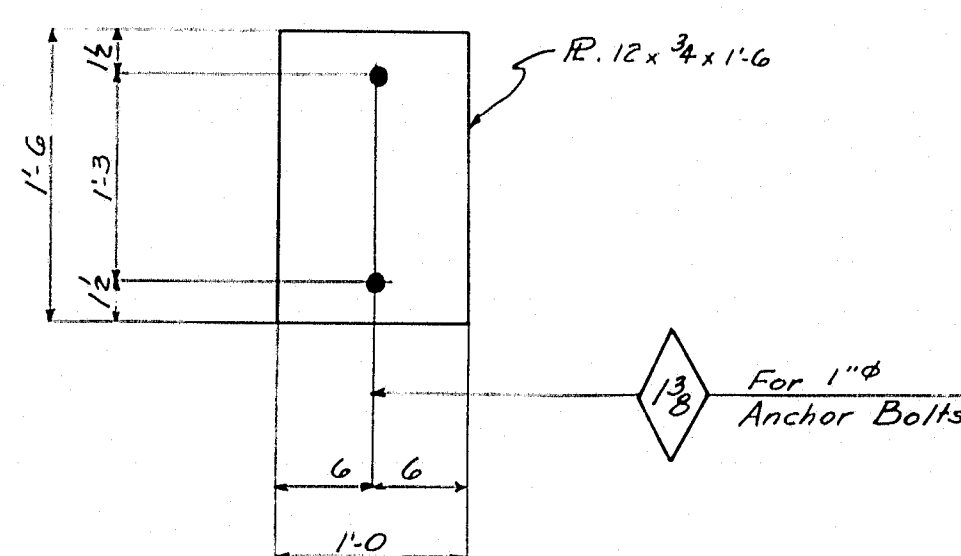
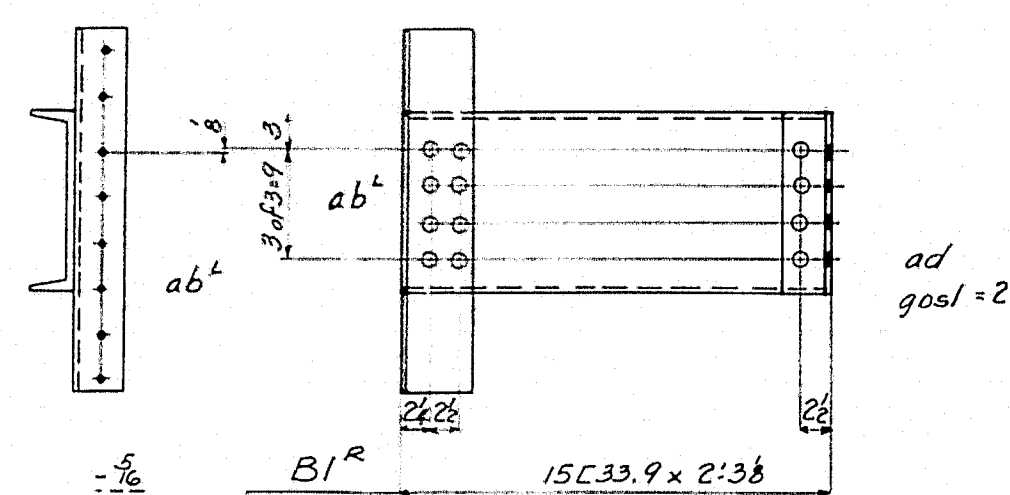
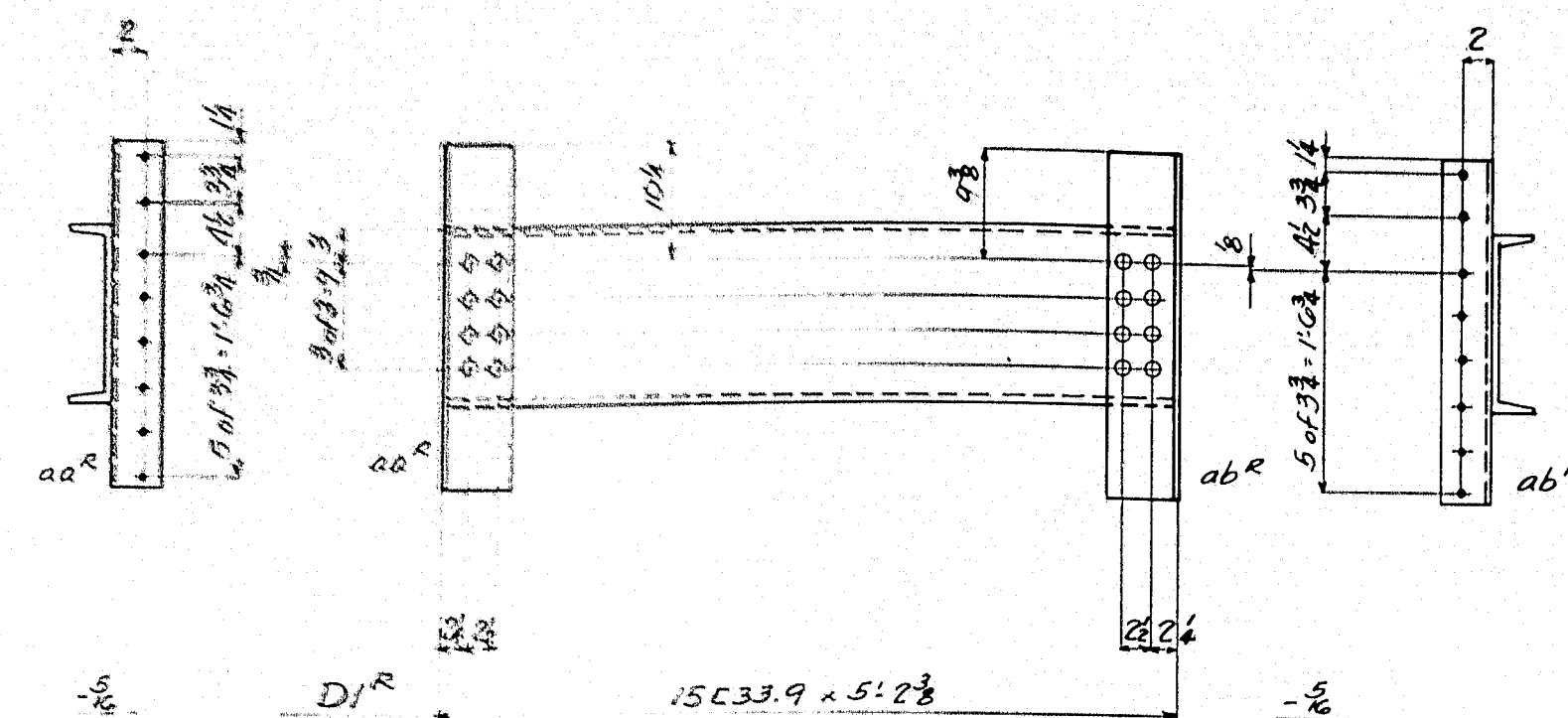
WEST BRANCH BRIDGE
OVER
WEST BRANCH-PENOBSCOT RIVER
PENOBSCOT COUNTY, ME.
BRIDGE No. 3666

AMERICAN BRIDGE COMPANY
UNITED STATES STEEL CORPORATION SUBSIDIARY

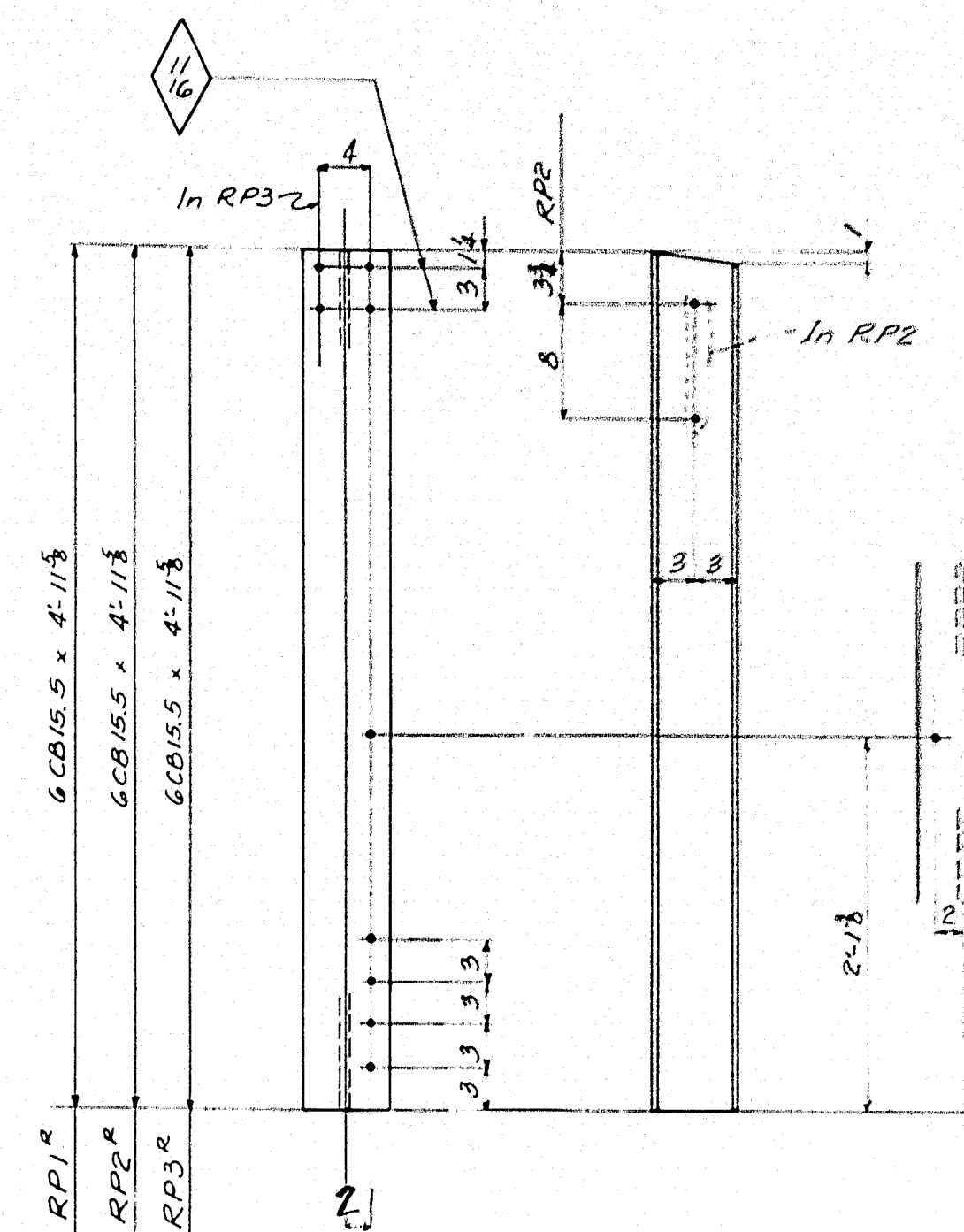
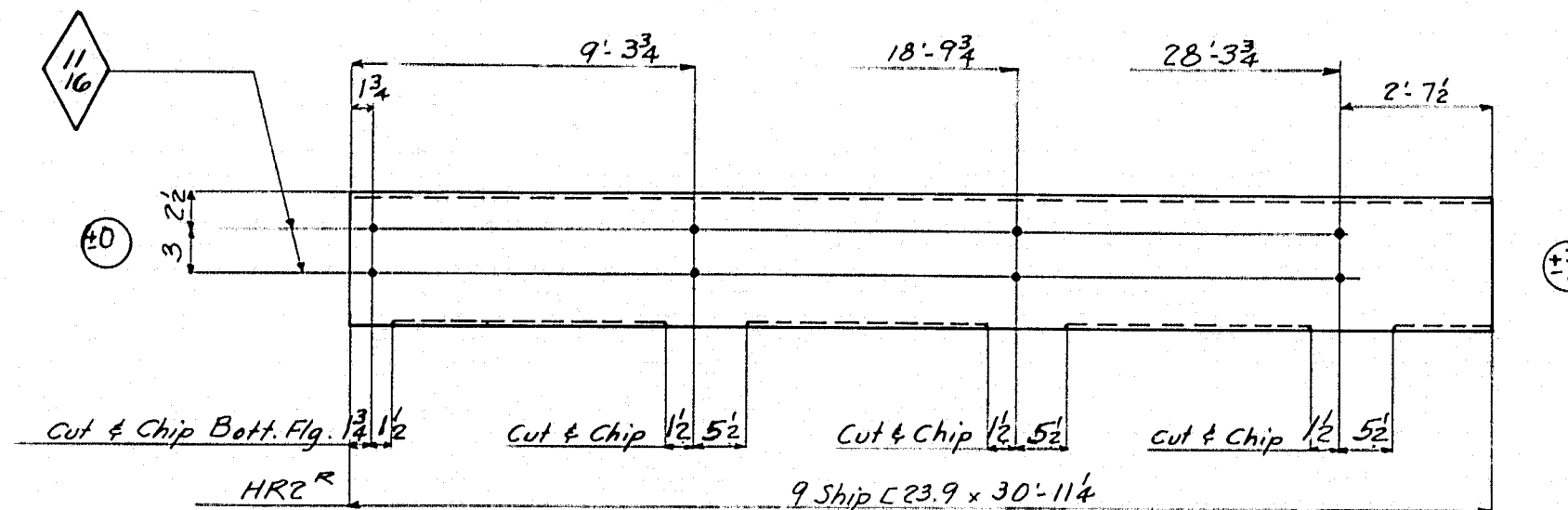
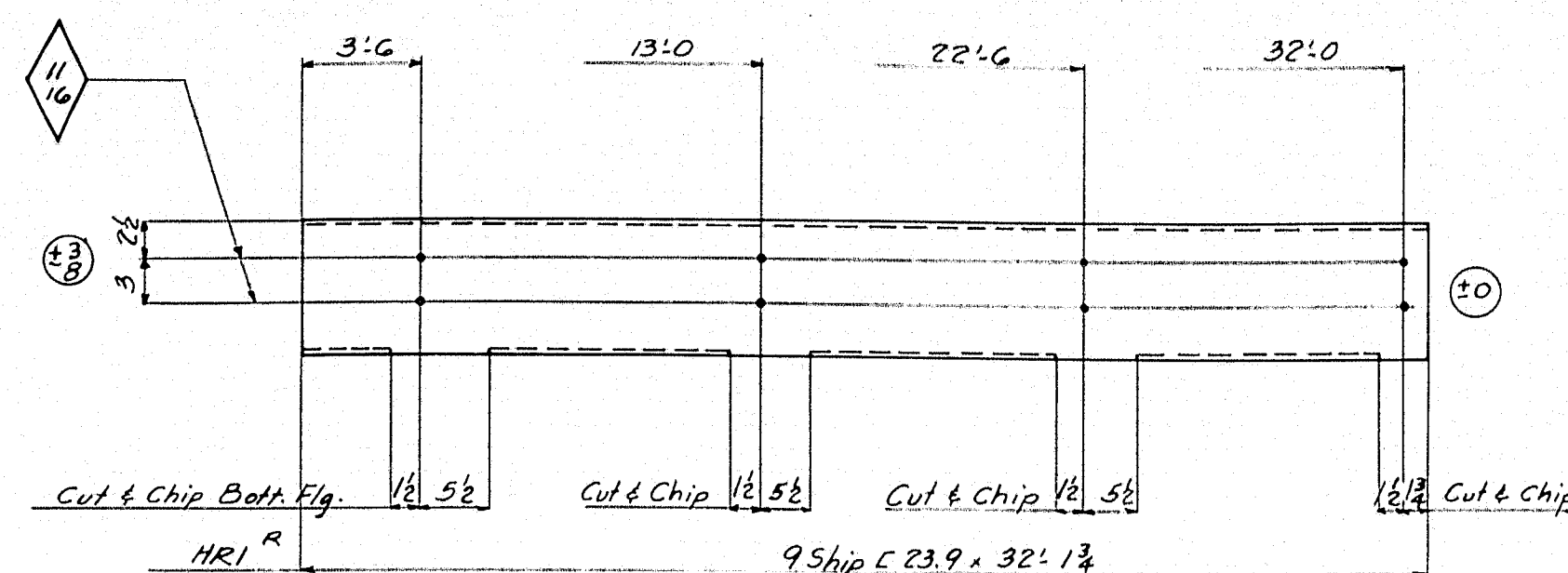
DRAWINGS MADE AT AMBRIDGE PLANT
WORK FABRICATED AT AMBRIDGE PLANT
IN CHARGE OF WHEELER DR. #3
DRAW. MADE BY MN DATE 3-9-48
DRAW. CHECKED BY wam DATE 3-17-48

ORDER No. *J4932-B* SHEET No. *E1*

F	
E	
D	
C	
B	
X	
REVISION	

[illegible]

BASE PLATE - BPI



[illegible]

WEST BRANCH BRIDGE
OVER
WEST BRANCH - PENOBSCOT RIVER
PENOBSCOT COUNTY, ME.
BRIDGE No. 3666

AMERICAN BRIDGE COMPANY
UNITED STATES STEEL CORPORATION SUBSIDIARY

DRAWINGS MADE AT AMBRIDGE PLANT
WORK FABRICATED AT AMBRIDGE PLANT
IN CHARGE OF WHEELER D.R.#3
DRAW. MADE BY MN DATE 3-12-48
DRAW. CHECKED BY WAM DATE 3-12-48

ORDER No. 14932-B SHEET No. 2

 ϕ Rivets
 ϕ Holes - Unless
 Note

PAINT, $\frac{1}{8}$ "
 CONTACT SURFACES: A

PAINT, Yes
CONTACT SURFACES, N

Welding-Gross Wt. of Electrode

Adv. Bill - 1

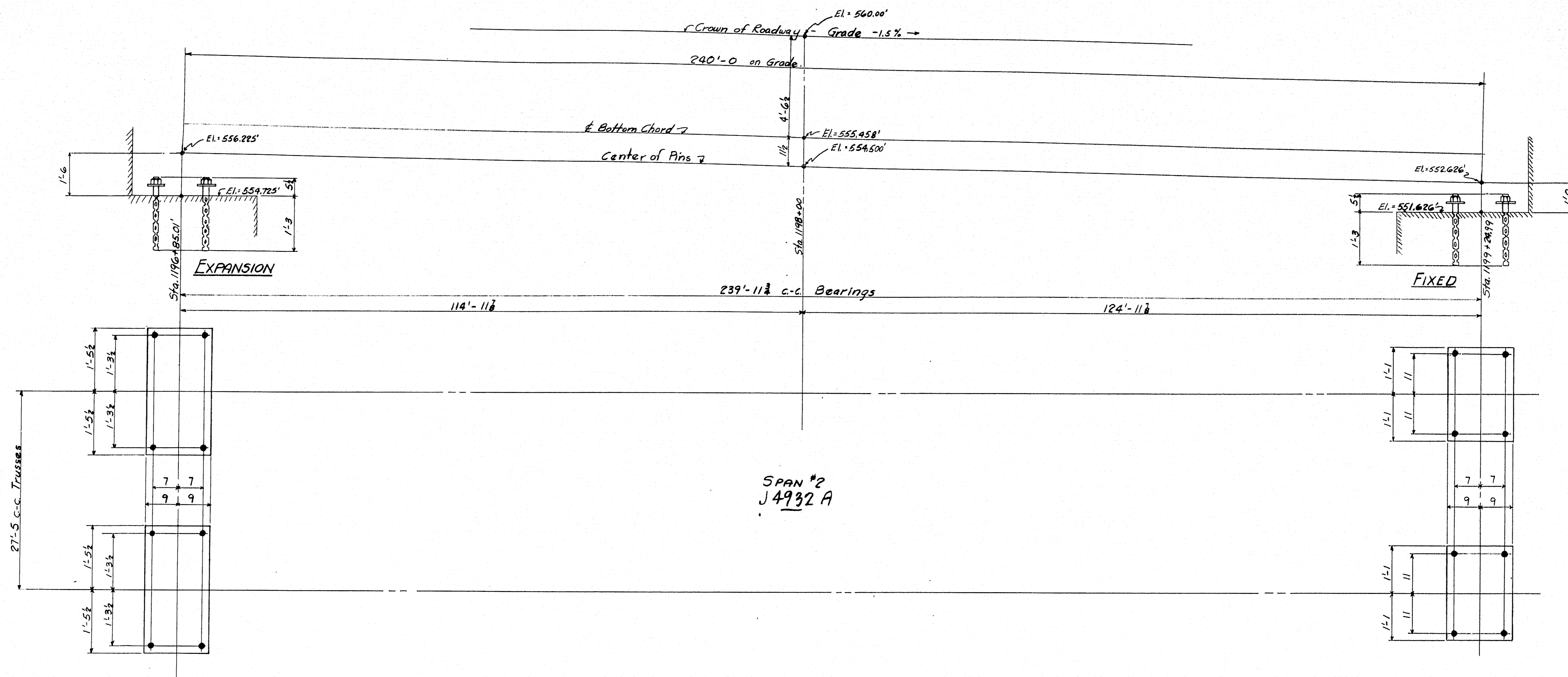
45-175



SPAN #1
J4932 B

SPAN #2
J4932 A

SPAN #3
J4932 B



For each Expansion Bearing:
4 - Swedge Bolts $1\frac{1}{2}'' \times 1'-8\frac{1}{2}'' \times 1$.
4 - Hex. Nuts $1\frac{1}{2}''$ tap.
4 - Washers $2\frac{1}{2}'' \times \frac{3}{8}''$, $1\frac{1}{2}''$ holes.

For each Fixed Bearing:
4 - Swedge Bolts $1\frac{1}{2}'' \times 1'-8\frac{1}{2}'' \times 1$.
4 - Hex. Nuts $1\frac{1}{2}''$ tap.
4 - Washers $2\frac{1}{2}'' \times \frac{3}{8}''$, $1\frac{1}{2}''$ holes.

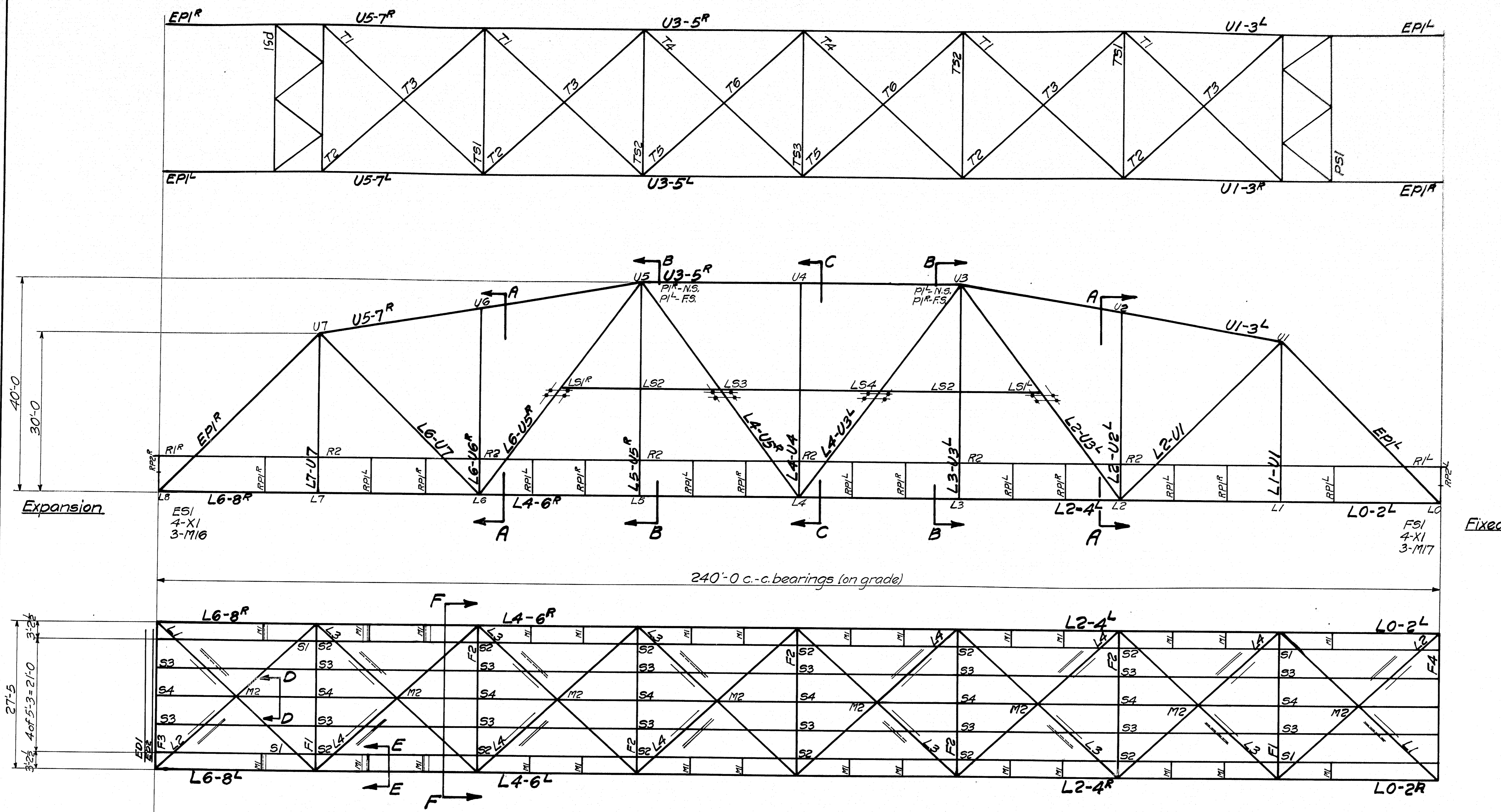
NOTES TO MASONRY CONTRACTOR:
Bridge seats must be located according to the dimensions shown on this plan or steel-work will not fit.
Anchor Bolts furnished by A.B.Co. and set by A.B.Co.
All elevations are given to the top of the Masonry at Bearings.
Areas shown at bearing points are overall sizes of Masonry Plates.

STATE OF MAINE
WEST BRANCH BRIDGE OVER
WEST BRANCH - PENOBSCOT RIVER
TOWNSHIP 3 - INDIAN PURCHASE
PENOBSCOT COUNTY

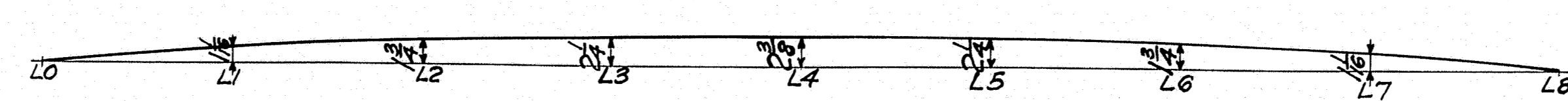
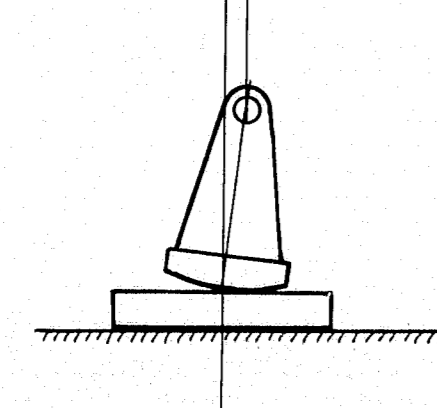
Masonry Plan.
AMERICAN BRIDGE COMPANY
UNITED STATES STEEL CORPORATION SUBSIDIARY

F	DRAWINGS MADE AT	Elmira	PLANT
E	WORK FABRICATED AT	Elmira	PLANT
D	IN CHARGE OF	E.E. Thompson	
C	DRAW. MADE BY	R.P.	DATE 2-5-48
B	DRAW. CHECKED BY	T.W.K.	DATE 2-6-48
X	ORDER No.	J4932 A	SHEET No.
REVISIONS			E1

45-181



1' Change due to deformation under dead load.
 1/2" of Pins, 239'-11 c.c. pins.
 1/2" of Bearings, 240'-0 c.c. (on grade)



Camber Diagram

Notes to Erector:
 Bottom chord splices near L4 & L6. Flange splice should be riveted up before 12" x 8" web splice plates are put in place.
 Stiffeners for floorbeams F3 & F4 are not to be riveted until floorbeams are riveted to trusses.
 Erection marks have been placed on the steel and on the Erection Plans near one end of each member. Place the members in the structure so that the erection marks on the steel are at the same end of the members as the marks on the plans.

LIST OF SHEETS	
E1	Master Plan
E2	Erection Diagram
E3	
1-AC	Bottom Chords
1-BC	
1-C	
2	End Posts
3	Top Chords
4	
5	Floorbeams, Stringers, Posts
6	End Floorbeams
7	Portals
8	Top Struts, Sway Frames
9	
10	Top & Bottom Laterals
11	Verticals & Diagonals
12	Railing & Longitudinal Struts
13	End Dams
14	Shoes
PI	Expansion Dam Plates
KI	Index
C1	Anchor Bolts
C2	Turned Bolts
C3	Duck
C4	Field Rivets

Field connections riveted except:
 Shoes bolted to bottom chords with turned bolts.
 End Dams bolted.
 At L0 & L8 railing posts and bent plates bolted to diaphragms and end posts.
 Railing bolted to clips.

STATE OF MAINE
 WEST BRANCH BRIDGE OVER
 WEST BRANCH - PENOBSCOT RIVER
 TOWNSHIP 3 - INDIAN PURCHASE
 PENOBSCOT COUNTY
 Erection Diagram

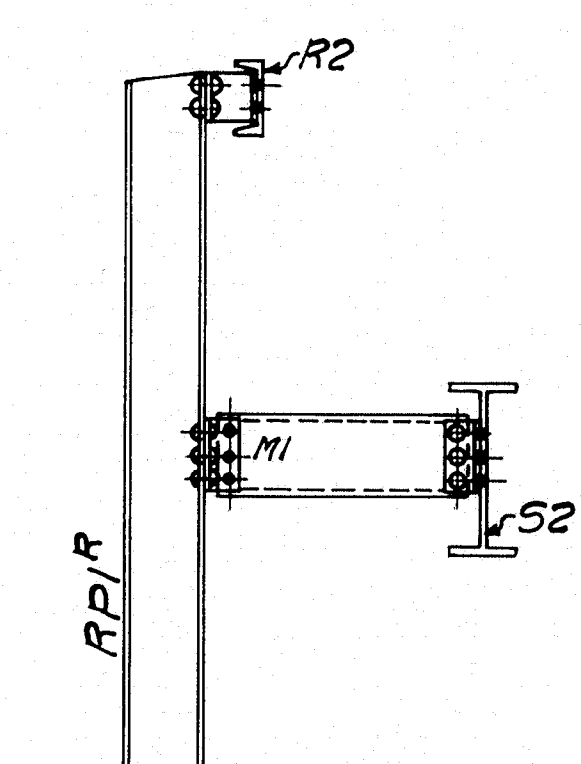
AMERICAN BRIDGE COMPANY
 DRAWINGS MADE AT Elmira PLANT
 WORK FABRICATED AT Elmira PLANT
 IN CHARGE OF E.E.T.
 DRAWN BY H.A.H. DATE 3-29-48
 DRAWN CHECKED BY T.J.K. DATE 4-14-48

ORDER No. J4932-A SHEET No. E2

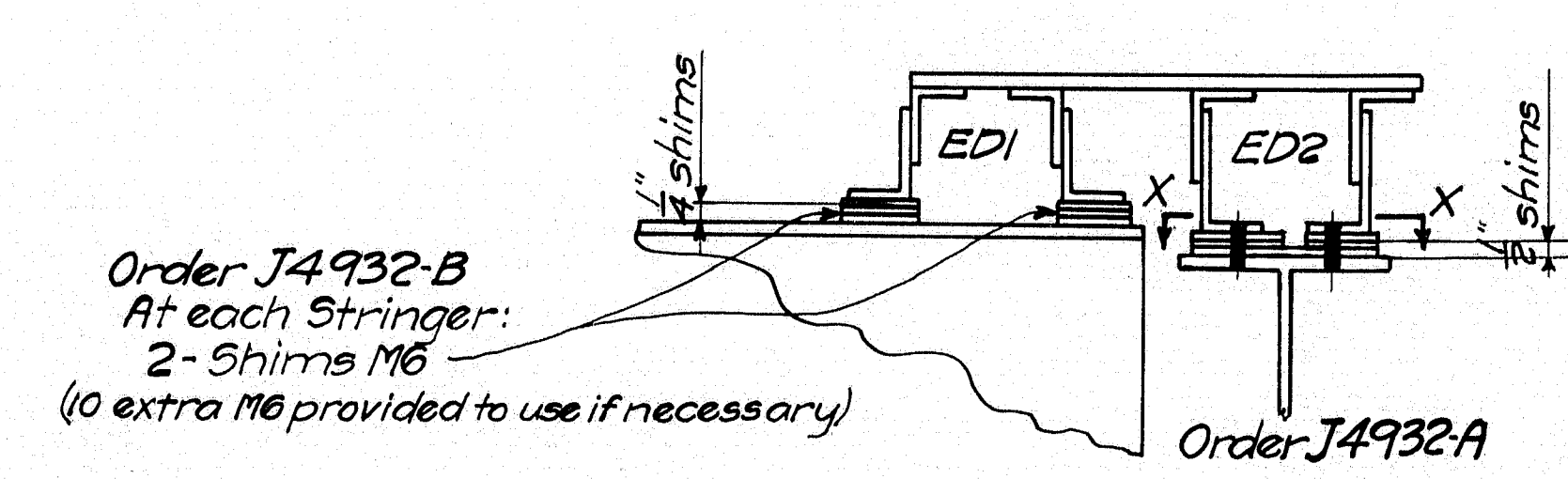
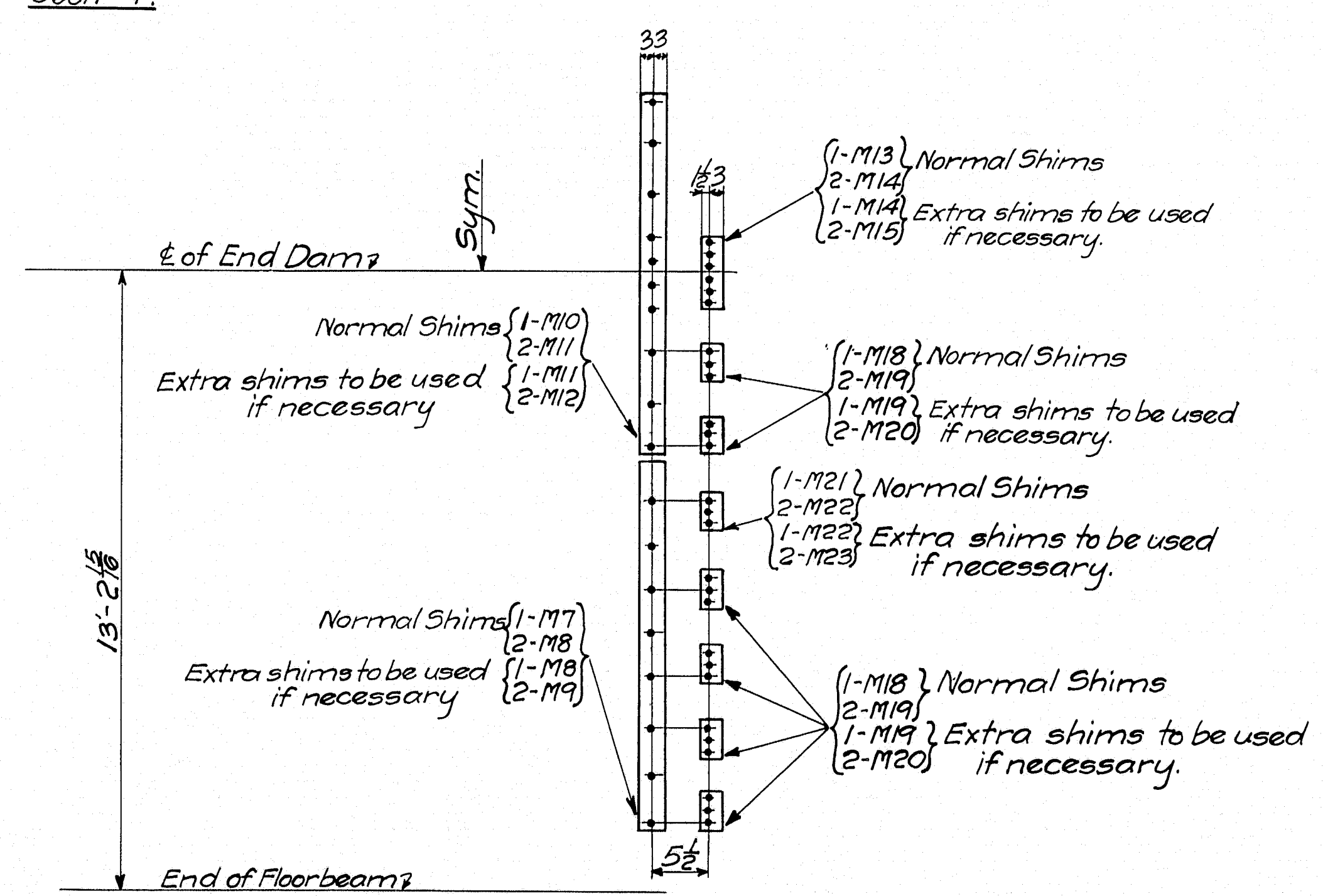
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Diagram of a frame structure. A horizontal beam is connected to a vertical column. A horizontal force S is applied to the beam. A moment M_2 is applied to the column. The column is supported by a base with rollers.

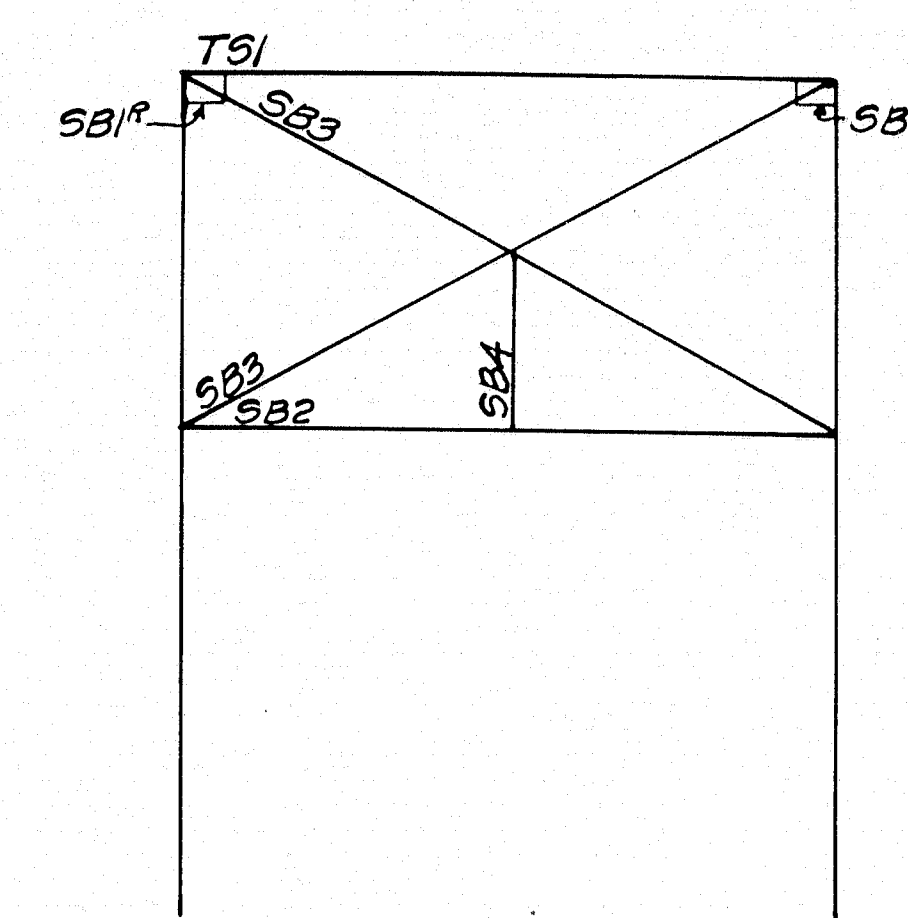
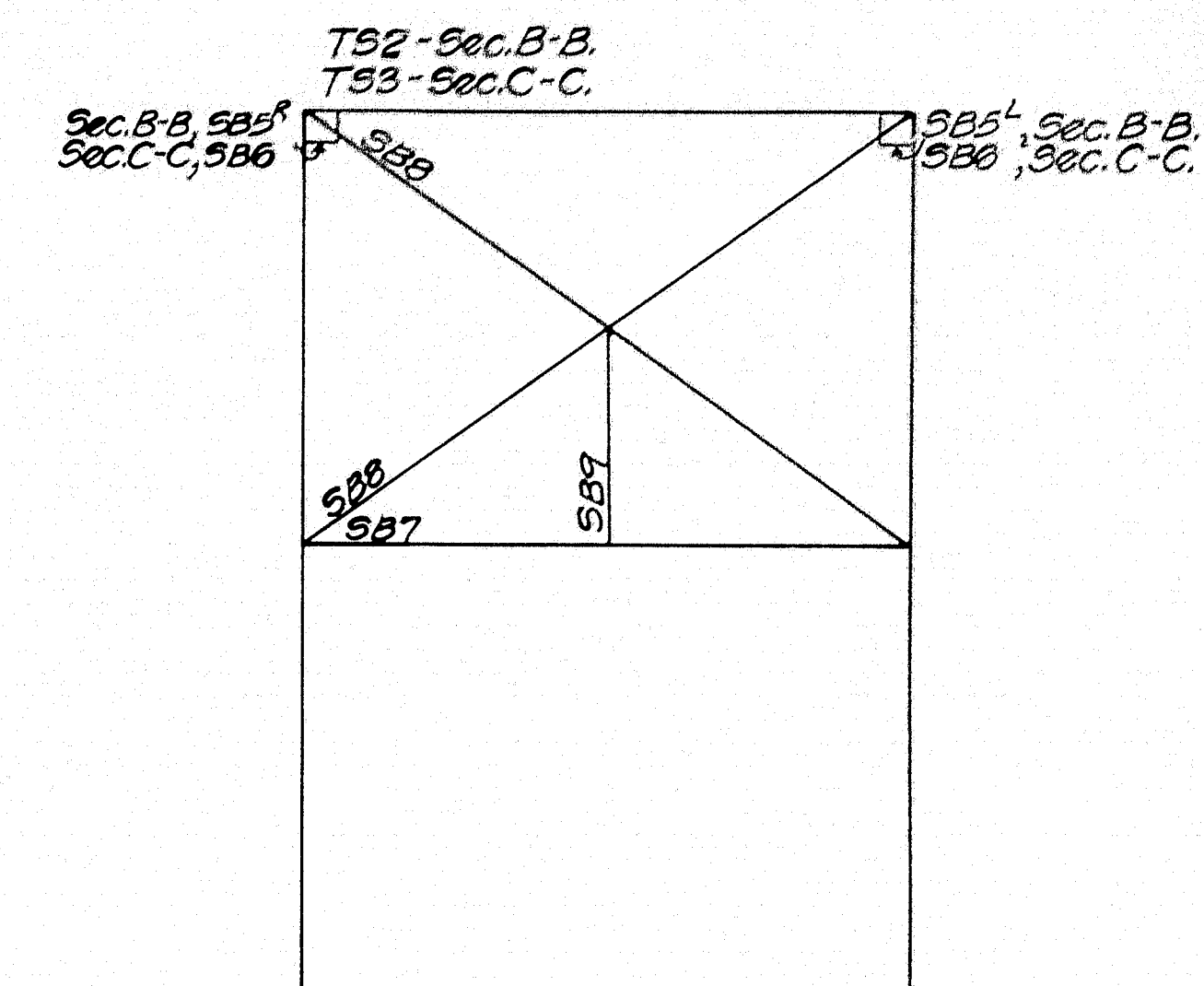
Sec. D-D.



Sec. E-E



Sec. at E of End Dams.

Sec. A-A.

Sec. B-B
Sec. C-C

STATE OF MAINE
WEST BRANCH BRIDGE OVER
WEST BRANCH-PENOBSCOT RIVER
TOWNSHIP 3-INDIAN PURCHASE
PENOBSCOT COUNTY
Erection Diagram

AMERICAN BRIDGE COMPANY

DRAWINGS MADE AT Elmira PLANT

WORK FABRICATED AT Elmira PLANT

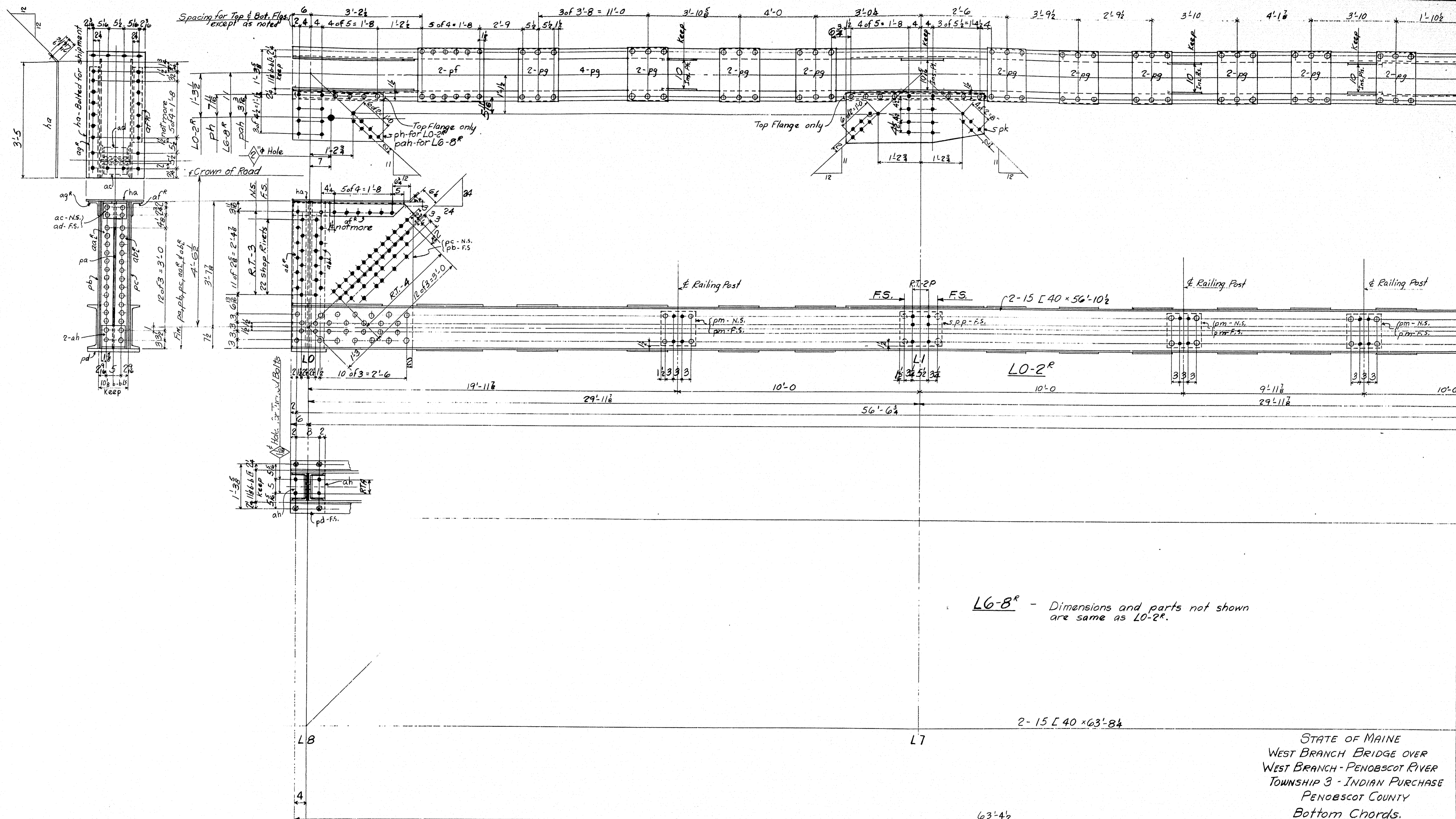
IN CHARGE OF E.E.T.

DRAW. MADE BY H.A.H. DATE _____

DRAW. CHECKED BY T.J.R. DATE 4-14-48

ORDER No. **J4932-A** | SHEET No. **E3**

ITEM	QTY	UNIT	DESCRIPTION
1	1	EA	2" x 12" x 1/2" PL
2	1	EA	2" x 12" x 1/2" PL
3	1	EA	2" x 12" x 1/2" PL
4	1	EA	2" x 12" x 1/2" PL
5	1	EA	2" x 12" x 1/2" PL
6	1	EA	2" x 12" x 1/2" PL
7	1	EA	2" x 12" x 1/2" PL
8	1	EA	2" x 12" x 1/2" PL
9	1	EA	2" x 12" x 1/2" PL
10	1	EA	2" x 12" x 1/2" PL
11	1	EA	2" x 12" x 1/2" PL
12	1	EA	2" x 12" x 1/2" PL
13	1	EA	2" x 12" x 1/2" PL
14	1	EA	2" x 12" x 1/2" PL
15	1	EA	2" x 12" x 1/2" PL
16	1	EA	2" x 12" x 1/2" PL
17	1	EA	2" x 12" x 1/2" PL
18	1	EA	2" x 12" x 1/2" PL
19	1	EA	2" x 12" x 1/2" PL
20	1	EA	2" x 12" x 1/2" PL
21	1	EA	2" x 12" x 1/2" PL
22	1	EA	2" x 12" x 1/2" PL
23	1	EA	2" x 12" x 1/2" PL
24	1	EA	2" x 12" x 1/2" PL
25	1	EA	2" x 12" x 1/2" PL
26	1	EA	2" x 12" x 1/2" PL
27	1	EA	2" x 12" x 1/2" PL
28	1	EA	2" x 12" x 1/2" PL
29	1	EA	2" x 12" x 1/2" PL
30	1	EA	2" x 12" x 1/2" PL
31	1	EA	2" x 12" x 1/2" PL
32	1	EA	2" x 12" x 1/2" PL
33	1	EA	2" x 12" x 1/2" PL
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40	1	EA	2" x 12" x 1/2" PL
41	1	EA	2" x 12" x 1/2" PL
42	1	EA	2" x 12" x 1/2" PL
43	1	EA	2" x 12" x 1/2" PL
44	1	EA	2" x 12" x 1/2" PL
45	1	EA	2" x 12" x 1/2" PL
46	1	EA	2" x 12" x 1/2" PL
47	1	EA	2" x 12" x 1/2" PL
48	1	EA	2" x 12" x 1/2" PL
49	1	EA	2" x 12" x 1/2" PL
50	1	EA	2" x 12" x 1/2" PL
51	1	EA	2" x 12" x 1/2" PL
52	1	EA	2" x 12" x 1/2" PL
53	1	EA	2" x 12" x 1/2" PL
54	1	EA	2" x 12" x 1/2" PL
55	1	EA	2" x 12" x 1/2" PL
56	1	EA	2" x 12" x 1/2" PL
57	1	EA	2" x 12" x 1/2" PL
58	1	EA	2" x 12" x 1/2" PL
59	1	EA	2" x 12" x 1/2" PL
60	1	EA	2" x 12" x 1/2" PL
61	1	EA	2" x 12" x 1/2" PL
62	1	EA	2" x 12" x 1/2" PL
63	1	EA	2" x 12" x 1/2" PL
64	1	EA	2" x 12" x 1/2" PL
65	1	EA	2" x 12" x 1/2" PL
66	1	EA	2" x 12" x 1/2" PL
67	1	EA	2" x 12" x 1/2" PL
68	1	EA	2" x 12" x 1/2" PL
69	1	EA	2" x 12" x 1/2" PL
70	1	EA	2" x 12" x 1/2" PL
71	1	EA	2" x 12" x 1/2" PL
72	1	EA	2" x 12" x 1/2" PL
73	1	EA	2" x 12" x 1/2" PL
74	1	EA	2" x 12" x 1/2" PL
75	1	EA	2" x 12" x 1/2" PL
76	1	EA	2" x 12" x 1/2" PL
77	1	EA	2" x 12" x 1/2" PL
78	1	EA	2" x 12" x 1/2" PL
79	1	EA	2" x 12" x 1/2" PL
80	1	EA	2" x 12" x 1/2" PL
81	1	EA	2" x 12" x 1/2" PL
82	1	EA	2" x 12" x 1/2" PL
83	1	EA	2" x 12" x 1/2" PL
84	1	EA	2" x 12" x 1/2" PL
85	1	EA	2" x 12" x 1/2" PL
86	1	EA	2" x 12" x 1/2" PL
87	1	EA	2" x 12" x 1/2" PL
88	1	EA	2" x 12" x 1/2" PL
89	1	EA	2" x 12" x 1/2" PL
90	1	EA	2" x 12" x 1/2" PL
91	1	EA	2" x 12" x 1/2" PL
92	1	EA	2" x 12" x 1/2" PL
93	1	EA	2" x 12" x 1/2" PL
94	1	EA	2" x 12" x 1/2" PL
95	1	EA	2" x 12" x 1/2" PL
96	1	EA	2" x 12" x 1/2" PL
97	1	EA	2" x 12" x 1/2" PL
98	1	EA	2" x 12" x 1/2" PL
99	1	EA	2" x 12" x 1/2" PL
100	1	EA	2" x 12" x 1/2" PL



L6-8^r - Dimensions and parts not shown are same as L0-2^r.

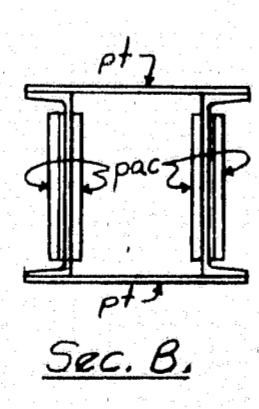
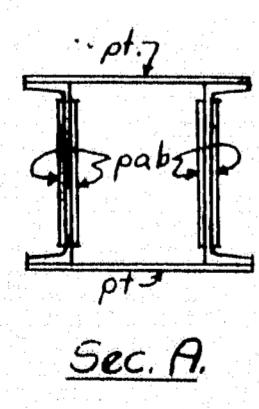
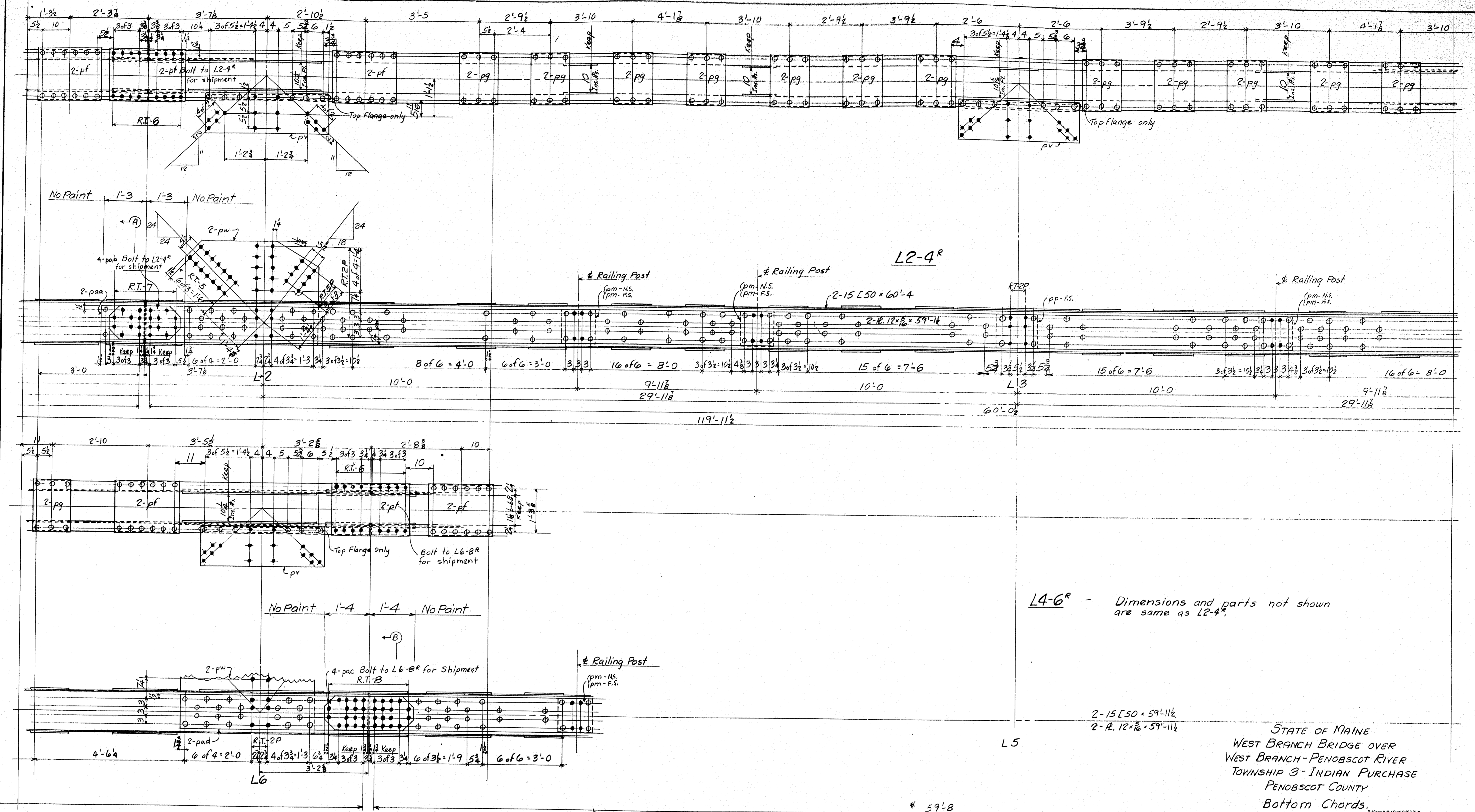
2-15 L 40 x 56-10 1/2

STATE OF MAINE
WEST BRANCH BRIDGE OVER
WEST BRANCH - PENOBSCOT RIVER
TOWNSHIP 3 - INDIAN PURCHASE
PENOBSCOT COUNTY
Bottom Chords.

AMERICAN BRIDGE COMPANY
UNITED STATES STEEL CORPORATION SUBSIDIARY

DRAWINGS MADE AT Elmira PLANT
WORK FABRICATED AT Elmira PLANT
IN CHARGE OF E.E.T.
DRAW. MADE BY R.P. DATE 2-19-28
DRAW. CHECKED BY T.J.K. DATE 4-14-28
ORDER No. J4932A SHEET No. 1 AC

45-184

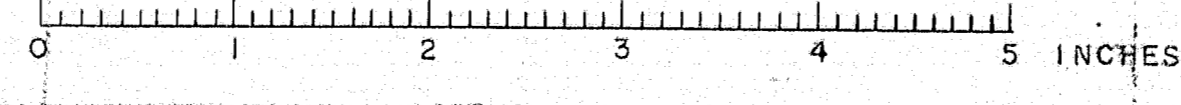


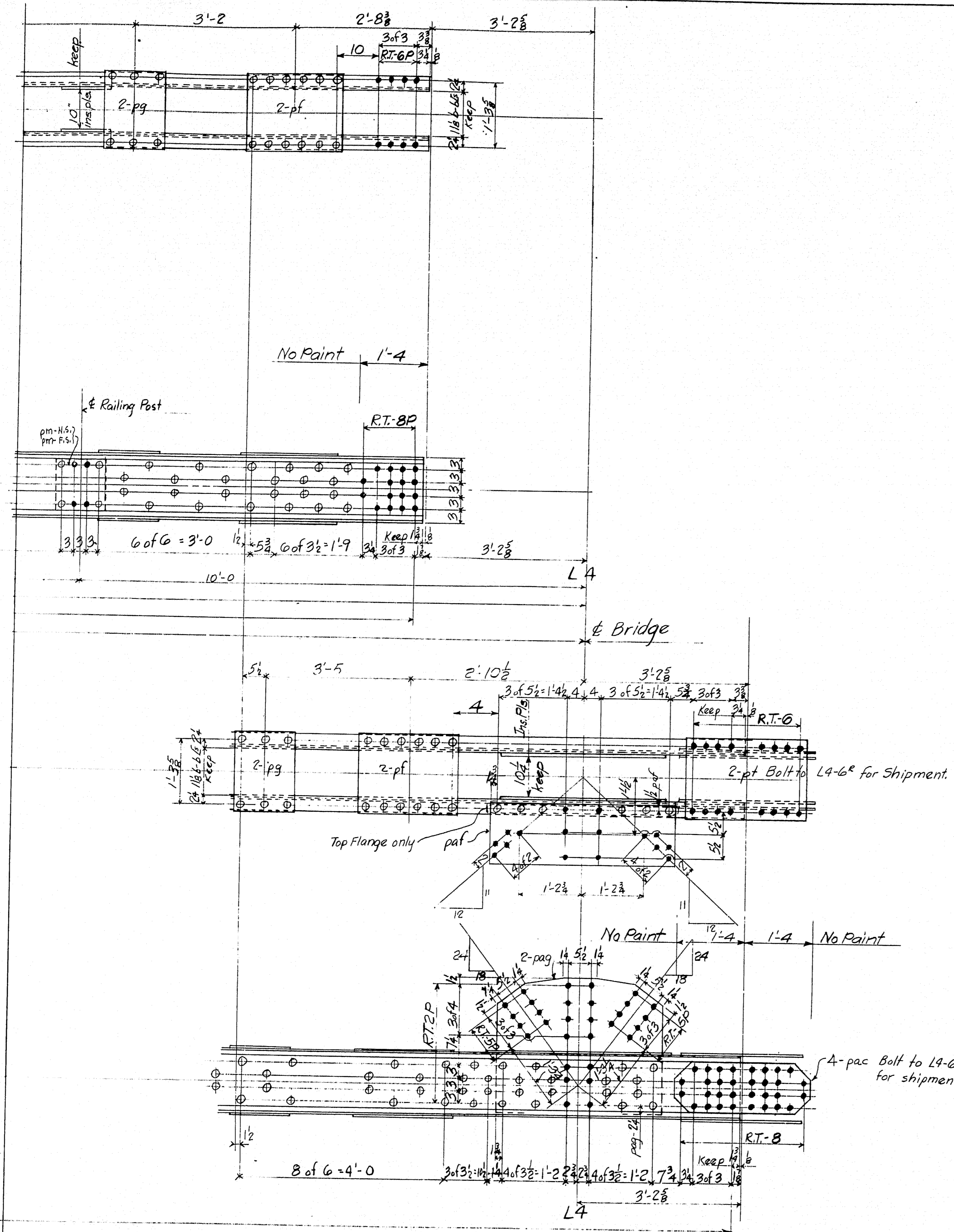
STATE OF MAINE
 WEST BRANCH BRIDGE OVER
 WEST BRANCH-PENOBSCOT RIVER
 TOWNSHIP 3-INDIAN PURCHASE
 PENOBSCOT COUNTY
 Bottom Chords.

AMERICAN BRIDGE COMPANY
 UNITED STATES STEEL CORPORATION SUBSIDIARY

DRAWINGS MADE AT Elmira PLANT
 WORK FABRICATED AT Elmira PLANT
 IN CHARGE OF E.E.T.
 DRAW. MADE BY R.P. DATE 2-19-28
 DRAW. CHECKED BY T.W.K. DATE 4-14-28

ORDER No. J4932A SHEET No. 1BC



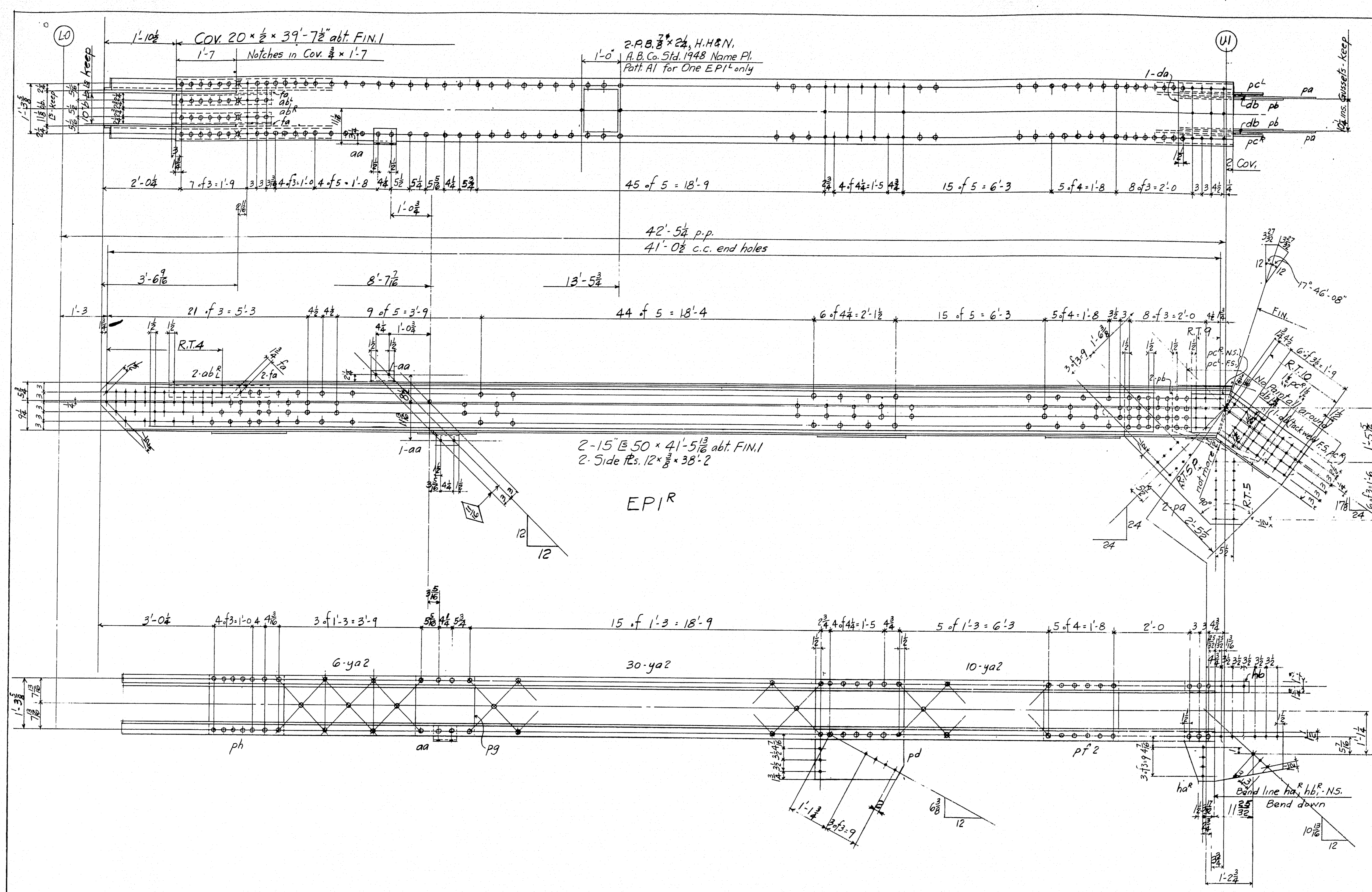


LINE	NO.	QTY	SHAPE	LENGTH	ASSEMBLY	REMARKS	ORDERED	CALCULATED
				FEET INCHES	MARK		INCHES	WEIGHT LBS.
70			ONE - BOTTOM CHORD	12'-4"				
71			ONE - "	12'-4"				
72	4	R	15 L 50	60 4		60'-4"	24	6033
73	4	R	12 L 50	59 1 1/2		59'-3 1/2"	14	1508
74	8	R	12 L 6	2 0 3/4	pt			93
75	4	Gus			pab	39 x 7/16	40-0	147-160
76	4	R			pw			428
77	4	R			pv			166
78	8	Tie H.			pf			767
79	52	Tie H.			pg			
80	16	pl			pm			184
81	2	pl			pp			41
82	24	58	- 3/8"			AS		111
83								
84								
85								
86								
87								
88			ONE - BOTTOM CHORD	14'-6"				
89			ONE - "	14'-6"				
90	4	R	15 L 50	59 11 1/2		59'-11 1/2"	25	5996
91	4	R	12 L 50	59 11 1/2		60'-0 1/2"	13	1520
92	4	R			pt			93
93	8	R			pac	39 x 7/16	40-0	372-320
94	4	Gus	32 L 6	3 1	pag			284
95	2	pl	14 3/8	3 8 1/2	pat			66
96	2	pl			pv			66
97	8	pl			pf			767
98	52	pl			pg			
99	16	pl			pm			184
100								
101	2	pl			pp			41
102	24	58	- 3/8"			AS		111
103								
104								
105								
106								
107								
108								
109								
110								

LINE	NO.	QTY	SHAPE	LENGTH	ASSEMBLY	REMARKS	ORDERED	CALCULATED
				FEET INCHES	MARK		INCHES	WEIGHT LBS.
11			ONE - BOTTOM CHORD	10'-2"				
12			ONE - "	10'-2"				
13	4	R	15 L 40	56 10 1/2		56'-10 1/2"	30	4550
14	4	R	12 L 50	55 2 4 3	pa	FIN. I		4-34
15	4	R	12 L 50	55 2 4 3	aa	"		39
16	4	R	12 L 50	55 2 4 3	ab	"		39
17	4	R	12 L 50	55 2 4 3	ab	"		39
18	4	R	12 L 50	55 2 4 3	ab	"		39
19	4	R	12 L 50	55 2 4 3	ab	"		39
20	4	R	12 L 50	55 2 4 3	ab	"		39
21	4	R	12 L 50	55 2 4 3	ab	"		39
22	4	R	12 L 50	55 2 4 3	ab	"		39
23	4	R	12 L 50	55 2 4 3	ab	"		39
24	4	R	12 L 50	55 2 4 3	ab	"		39
25	4	R	12 L 50	55 2 4 3	ab	"		39
26	4	R	12 L 50	55 2 4 3	ab	"		39
27	4	R	12 L 50	55 2 4 3	ab	"		39
28	4	R	12 L 50	55 2 4 3	ab	"		39
29	4	R	12 L 50	55 2 4 3	ab	"		39
30	4	R	12 L 50	55 2 4 3	ab	"		39
31	4	R	12 L 50	55 2 4 3	ab	"		39
32	4	R	12 L 50	55 2 4 3	ab	"		39
33	4	R	12 L 50	55 2 4 3	ab	"		39
34	4	R	12 L 50	55 2 4 3	ab	"		39
35	4	R	12 L 50	55 2 4 3	ab	"		39
36	4	R	12 L 50	55 2 4 3	ab	"		39
37	4	R	12 L 50	55 2 4 3	ab	"		39
38	4	R	12 L 50	55 2 4 3	ab	"		39
39	4	R	12 L 50	55 2 4 3	ab	"		39
40	4	R	12 L 50	55 2 4 3	ab	"		39
41	4	R	12 L 50	55 2 4 3	ab	"		39
42	4	R	12 L 50	55 2 4 3	ab	"		39
43	4	R	12 L 50	55 2 4 3	ab	"		39
44	4	R	12 L 50	55 2 4 3	ab	"		39
45	4	R	12 L 50	55 2 4 3	ab	"		39
46	4	R	12 L 50	55 2 4 3	ab	"		39
47	4	R	12 L 50	55 2 4 3	ab	"		39
48	4	R	12 L 50	55 2 4 3	ab	"		39
49	4	R	12 L 50	55 2 4 3	ab	"		39
50	4	R	12 L 50	55 2 4 3	ab	"		39
51	4	R	12 L 50	55 2 4 3	ab	"		39
52	4	R	12 L 50	55 2 4 3	ab	"		39
53	4	R	12 L 50	55 2 4 3	ab	"		39
54	4	R	12 L 50	55 2 4 3	ab	"		39
55	4	R	12 L 50	55 2 4 3	ab	"		39
56	4	R	12 L 50	55 2 4 3	ab	"		39
57	4	R	12 L 50	55 2 4 3	ab	"		39
58	4	R	12 L 50	55 2 4 3	ab	"		39
59	4	R	12 L 50	55 2 4 3	ab	"		39
60	4	R	12 L 50	55 2 4 3	ab	"		39
61	4	R	12 L 50	55 2 4 3	ab	"		39
62	4	R	12 L 50	55 2 4 3	ab	"		39
63	4	R	12 L 50	55 2 4 3	ab	"		39
64	4	R	12 L 50	55 2 4 3	ab	"		39
65	4	R	12 L 50	55 2 4 3	ab	"		39
66	4	R	12 L 50	55 2 4 3	ab	"		39
67	4	R	12 L 50	55 2 4 3	ab	"		39
68	4	R	12 L 50	55 2 4 3	ab	"		39
69	4	R	12 L 50	55 2 4 3	ab	"		39

Notes:
 Rivets - 3/8"
 Holes - 1/8" unless noted.
 Holes marked R.T. to be sub-punched 1/8" and reamed to 1/8" to a metal template.
 Holes marked RTA to be sub-punched or subdrilled 1/8" and reamed to 1/8" to a metal template.

STATE OF MAINE
 WEST BRANCH BRIDGE OVER
 WEST BRANCH - PENOBSCOT RIVER
 TOWNSHIP 3-INDIAN PURCHASE
 PENOBSCOT COUNTY
 Bottom Chords.
 DRAWINGS MADE AT Elmira PLANT
 WORK FABRICATED AT Elmira PLANT
 IN CHARGE OF E.E.T.
 DRAW. MADE BY R.P. DATE 2-19-48
 DRAW. CHECKED BY T.V.K. DATE 4-14-48
 ORDER NO. J4932 A SHEET NO. 1 C



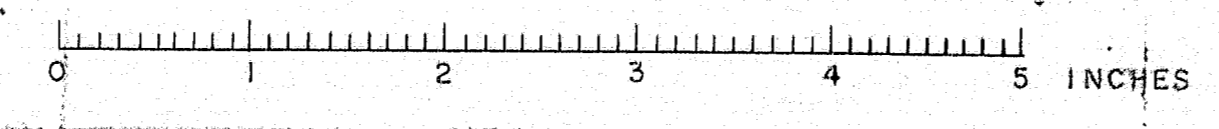
REV	DESCRIPTION	DATE	BY	CHECKED
1	2- END POSTS - EPIR	4-3-4		
2	2- END POSTS - EPIR	4-3-4		
3	2- END POSTS - EPIR	4-3-4		
4	2- END POSTS - EPIR	4-3-4		
5	2- END POSTS - EPIR	4-3-4		
6	2- END POSTS - EPIR	4-3-4		
7	2- END POSTS - EPIR	4-3-4		
8	2- END POSTS - EPIR	4-3-4		
9	2- END POSTS - EPIR	4-3-4		
10	2- END POSTS - EPIR	4-3-4		
11	2- END POSTS - EPIR	4-3-4		
12	2- END POSTS - EPIR	4-3-4		
13	2- END POSTS - EPIR	4-3-4		
14	2- END POSTS - EPIR	4-3-4		
15	2- END POSTS - EPIR	4-3-4		
16	2- END POSTS - EPIR	4-3-4		
17	2- END POSTS - EPIR	4-3-4		
18	2- END POSTS - EPIR	4-3-4		
19	2- END POSTS - EPIR	4-3-4		
20	2- END POSTS - EPIR	4-3-4		
21	2- END POSTS - EPIR	4-3-4		
22	2- END POSTS - EPIR	4-3-4		
23	2- END POSTS - EPIR	4-3-4		
24	2- END POSTS - EPIR	4-3-4		
25	2- END POSTS - EPIR	4-3-4		
26	2- END POSTS - EPIR	4-3-4		
27	2- END POSTS - EPIR	4-3-4		
28	2- END POSTS - EPIR	4-3-4		
29	2- END POSTS - EPIR	4-3-4		
30	2- END POSTS - EPIR	4-3-4		
31	2- END POSTS - EPIR	4-3-4		
32	2- END POSTS - EPIR	4-3-4		
33	2- END POSTS - EPIR	4-3-4		
34	2- END POSTS - EPIR	4-3-4		
35	2- END POSTS - EPIR	4-3-4		
36	2- END POSTS - EPIR	4-3-4		
37	2- END POSTS - EPIR	4-3-4		
38	2- END POSTS - EPIR	4-3-4		
39	2- END POSTS - EPIR	4-3-4		
40	2- END POSTS - EPIR	4-3-4		
41	2- END POSTS - EPIR	4-3-4		
42	2- END POSTS - EPIR	4-3-4		
43	2- END POSTS - EPIR	4-3-4		
44	2- END POSTS - EPIR	4-3-4		
45	2- END POSTS - EPIR	4-3-4		
46	2- END POSTS - EPIR	4-3-4		
47	2- END POSTS - EPIR	4-3-4		
48	2- END POSTS - EPIR	4-3-4		
49	2- END POSTS - EPIR	4-3-4		
50	2- END POSTS - EPIR	4-3-4		
51	2- END POSTS - EPIR	4-3-4		
52	2- END POSTS - EPIR	4-3-4		
53	2- END POSTS - EPIR	4-3-4		
54	2- END POSTS - EPIR	4-3-4		
55	2- END POSTS - EPIR	4-3-4		
56	2- END POSTS - EPIR	4-3-4		
57	2- END POSTS - EPIR	4-3-4		
58	2- END POSTS - EPIR	4-3-4		
59	2- END POSTS - EPIR	4-3-4		
60	2- END POSTS - EPIR	4-3-4		
61	2- END POSTS - EPIR	4-3-4		
62	2- END POSTS - EPIR	4-3-4		
63	2- END POSTS - EPIR	4-3-4		
64	2- END POSTS - EPIR	4-3-4		
65	2- END POSTS - EPIR	4-3-4		
66	2- END POSTS - EPIR	4-3-4		
67	2- END POSTS - EPIR	4-3-4		

STATE OF MAINE
 WEST BRANCH BRIDGE OVER
 WEST BRANCH - PENOBSCOT RIVER
 TOWNSHIP 3 - INDIAN PURCHASE
 PENOBSCOT COUNTY
 END POST

NOTES:-
 Rivets - 7/8"
 Holes - 1 1/8" unless noted
 Holes marked RT to be subpunched 1 1/8"
 and reamed 1 1/8" to a metal template.

PAINT: Yes (S) except at U1 as noted.
 SHOP CONTACT SURFACES: No.

REVISIONS	ORDER NO. J4932 A	SHEET NO. 2
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UI-3^R As Shown
 U5-7^R Same as UI-3^R except 2-pa added at U5

NOTE:
 Rivets - 7/8"
 Holes - 1 1/8" unless noted
 Holes marked R.T. to be sub punched 1 1/8"
 and reamed 1 1/8" to a metal template.

PAINT: Yes except at U1, 3, 5, 7, as noted
 SHOP CONTACT SURFACES: No.

ONE- TOP CHORD- UI-3 ^R	63-10	(8673)
ONE- " " UI-3 ^L		
ONE- " " U5-7 ^R	63-10	(9014)
ONE- " " U5-7 ^L		
8 15 L 40 61 0 1/2 abt. FIN. 2	61-14	29 48 83
4 COV 20 5/8 61 0 1/16 abt. FIN. 2	61-14	3 29 95
4 GUS 30 1/2 4 3/4 pa	U5-7 ^L	S 440
4 1/2 14 3/8 3 5/8 pb		S 103
4 1/2 14 3/8 3 5/8 pc		S 7
12 8 12 19 3/8 1 6 pd3	45-0	7 138
8 1/2 19 3/8 1 11 pf2		S 25
4 1/2 12 1/8 1 5 dc	39 1/2 40-0	2 25
288 Bar 28 1/2 1 7/8 dc. ya2		S 473
2 1 Pl. 30 3/8 3 6 1/2 abt. ha3 ^R	bent UI-3 ^R	S 113
2 1 Pl. 14 3/8 3 3 1/2 abt. ha3 ^L	" UI-3 ^L	S 49
2 1 Pl. 3 3/8 1 1 1/2 abt. hb3 ^R	bent U5-7 ^R	S 6
4 2 Pl. 3 3/8 1 1 1/2 abt. hb3 ^L	bent U5-7 ^L	S 117
2 2 Pl. 33 3/8 3 4 abt. hd ^R	bent	S 173
2 2 Pl. 33 3/8 3 4 abt. hd ^L	"	S 179
4-TAW PLATES - P/R	WELD	(97)
4- " " P/L	"	
8 1/2 14 3/8 2 5/8 da	tackweld	S 44
8 1/2 12 3/8 1 3/8 da		S 10

STATE OF MAINE
 WEST BRANCH BRIDGE OVER
 WEST BRANCH - PENOBSCOT RIVER
 TOWNSHIP 3 - INDIAN PURCHASE
 PENOBSCOT COUNTY
 TOP CHORD

AMERICAN BRIDGE COMPANY
 UNITED STATES STEEL CORPORATION SUBSIDIARY

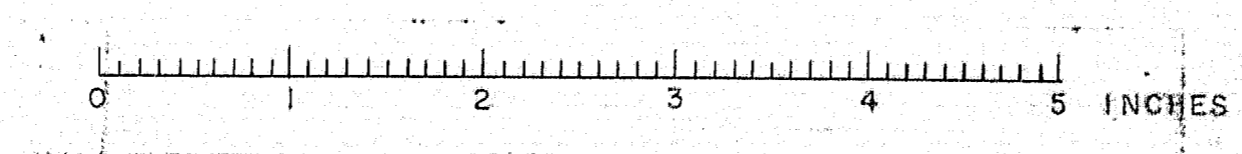
DRAWINGS MADE AT Elmira PLANT
 WORK FABRICATED AT Elmira PLANT
 IN CHARGE OF E.E. Thompson
 DRAW. MADE BY C.M.N. DATE 2-20-48
 DRAW. CHECKED BY T.W.K. DATE 4-14-48

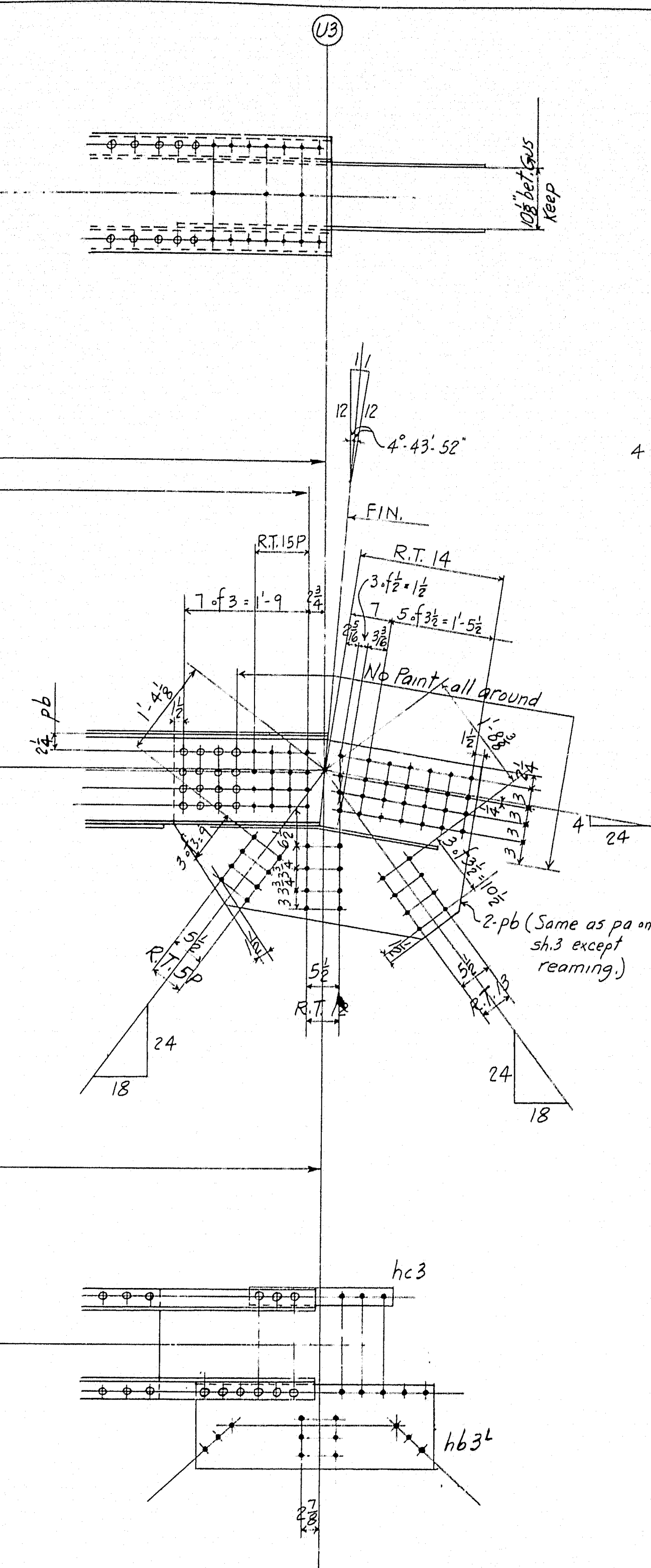
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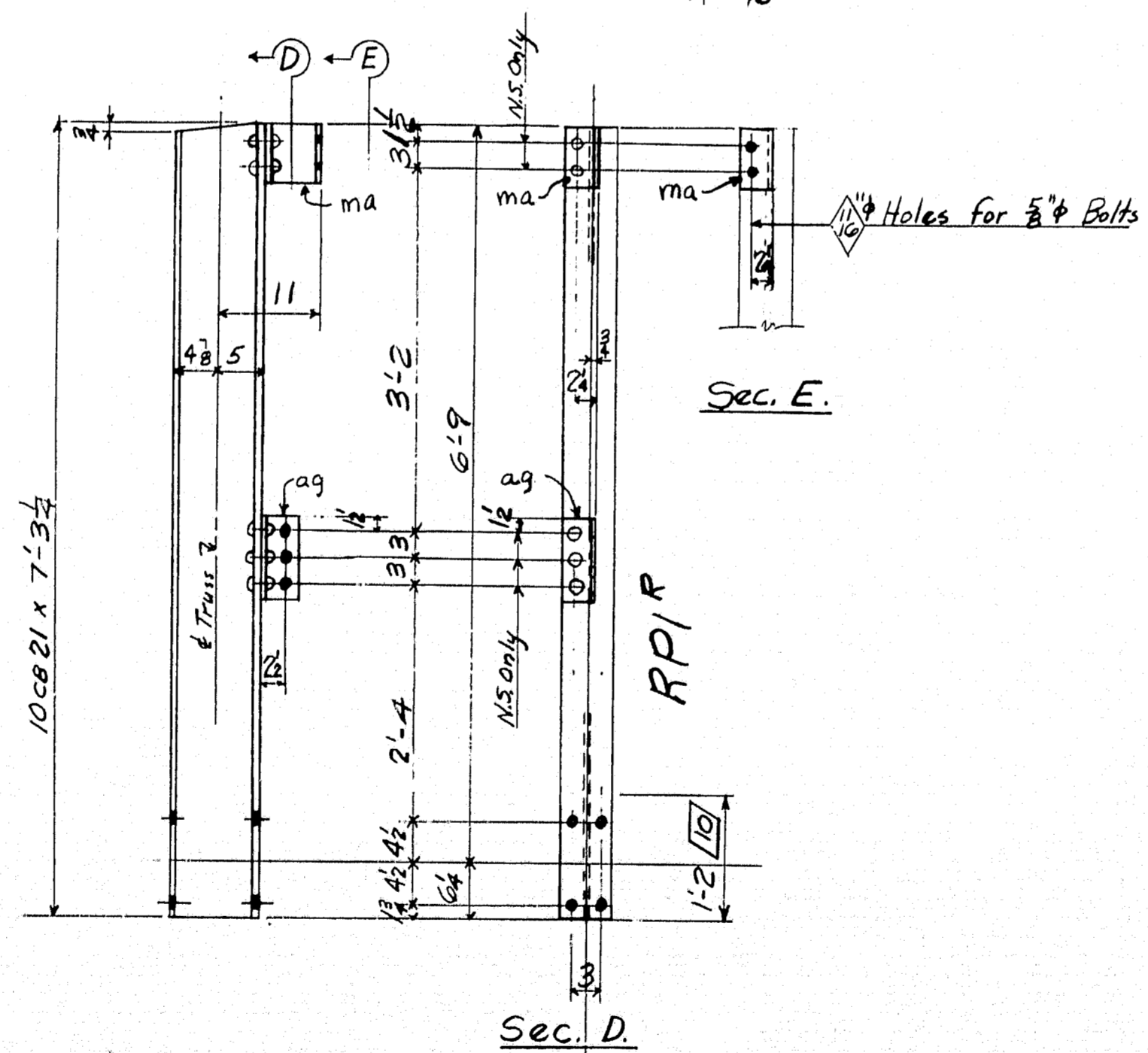
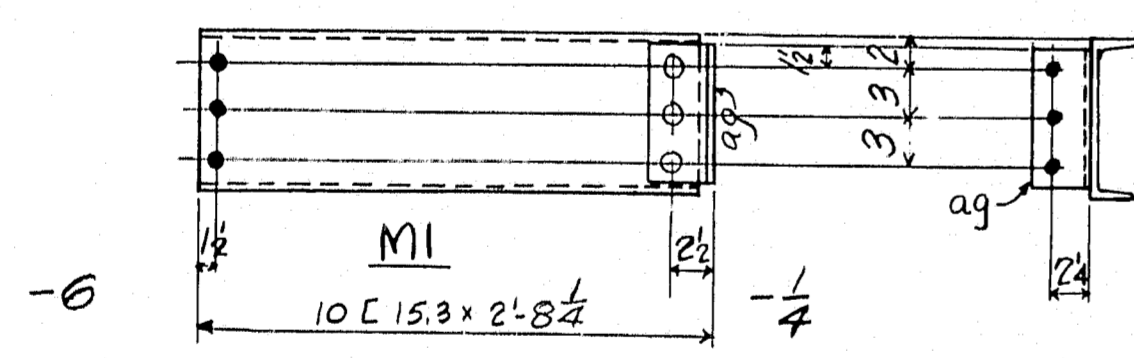
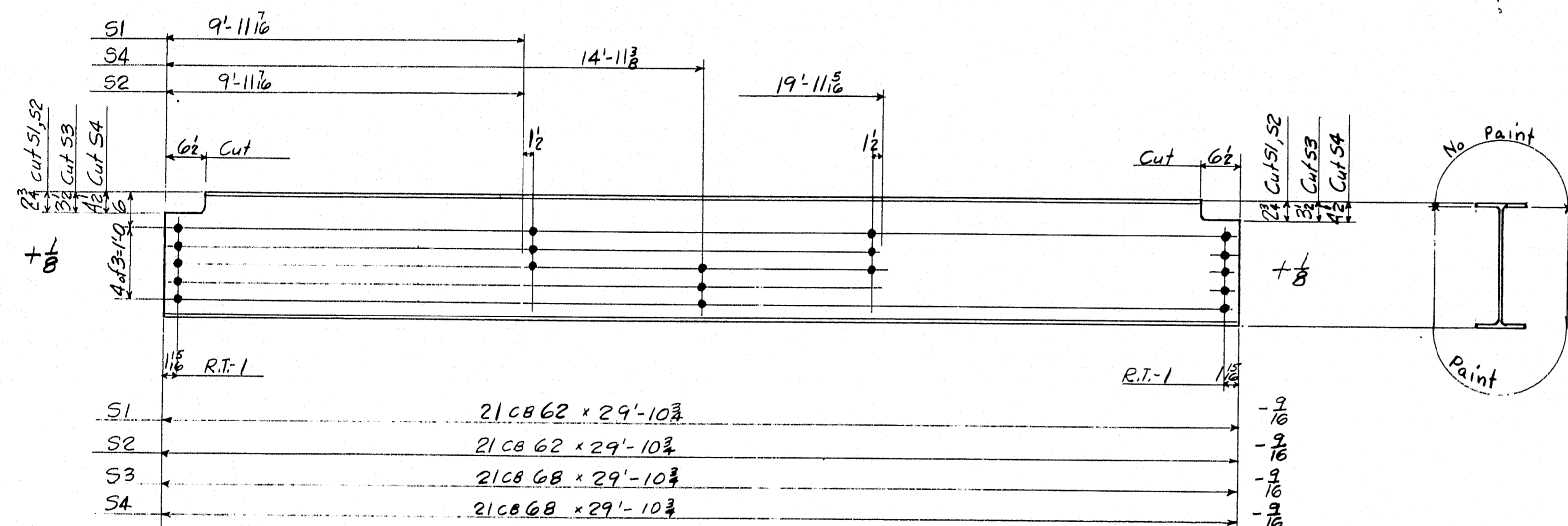
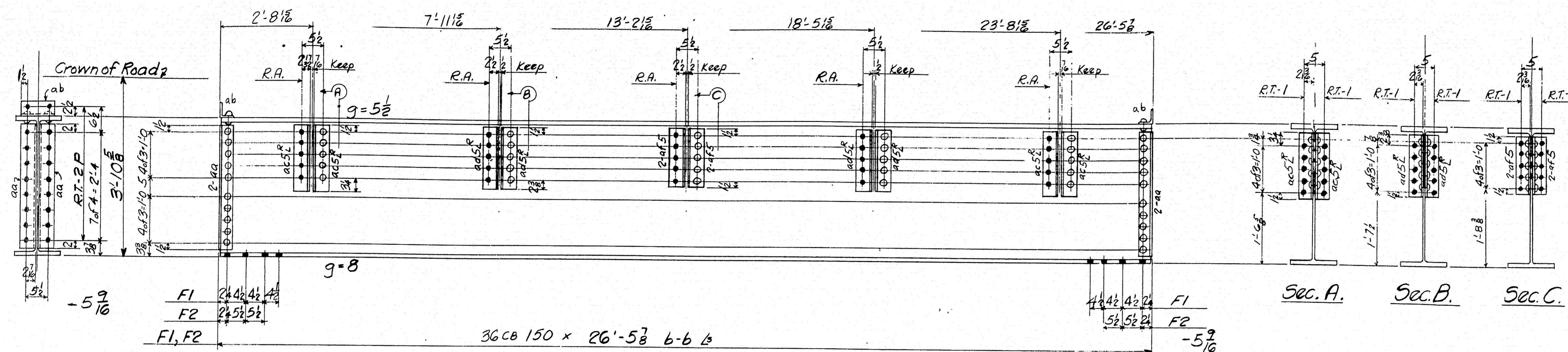
Welding - Gross Wt. of Electrodes

Adv. BH

WELD 45-188



[illegible]



Notes:
 Rivets - $\frac{3}{4}$ "
 Holes - $\frac{1}{2}$ " unless noted.
 End Connection angles of floor beams must be set square and true and to correct length.
 Holes marked "R.T." to be sub-punched $\frac{1}{8}$ " and reamed $\frac{1}{2}$ " to a metal template.
 Holes marked "R.A." to be reamed with parts assembled.
 The overall depth of CB must not exceed the figure given in the parallelogram thus $\frac{1}{2}$ " for the distances indicated to permit proper entrance of members between gusset plates.

2-FLOOR Beams - F1									
5-FLOOR Beams - F2									
7	28	L	4	32	2	8	aa	26'-5 1/2"	15
8	14	L	4	32	2	8	ab		9
9	32	L	4	32	1	4	ac5 ^R		13
10	32	L	4	32	1	4	ac5 ^L	55'-0"	46
11	32	L	4	32	1	4	ad5 ^R		23
12	32	L	4	32	1	4	ad5 ^L		9
13	32	L	4	32	1	4	af5		13
14	70	S8	2	1/4					17
4-STRINGERS - S1									
12-STRINGERS - S2									
16-STRINGERS - S3									
8-STRINGERS - S4									
22	16	21CB62	29	10 3/4			S1, S2	29'-10 3/4"	17
23	24	21CB68	29	10 3/4			S3, S4	29'-10 3/4"	16
28-STEUTS - M1									
28	28	10C153	2	8 1/2				cut to 2'-7 1/2"	40
29	56	28	L	4	32	2	ag	55'-0"	47
14-RAILING POSTS - RPI ^R									
14-RAILING POSTS - RPI ^L									
35	28	10C821	7	3 1/2				cut to 7'-3 1/2"	153
36	28	L	4	32	2		ag		6
37	28	px	6	1/2	153		ma	18'-0"	37

STATE OF MAINE
 WEST BRANCH BRIDGE OVER
 WEST BRANCH PENOBSCOT RIVER
 TOWNSHIP 3 - INDIAN PURCHASE
 PENOBSCOT COUNTY
 Floor Beams, Stringers, Posts

AMERICAN BRIDGE COMPANY
 UNITED STATES STEEL CORPORATION SUBSIDIARY

F	DRAWINGS MADE AT	Elmira	PLANT
E	WORK FABRICATED AT	Elmira	PLANT
D	IN CHARGE OF	E.E.T.	
C	DRAW. MADE BY	RP	DATE 2-25-48
B	DRAW. CHECKED BY	J.W.S.	DATE 4-14-48
X	REVISIONS	J4932A	SHEET No. 5

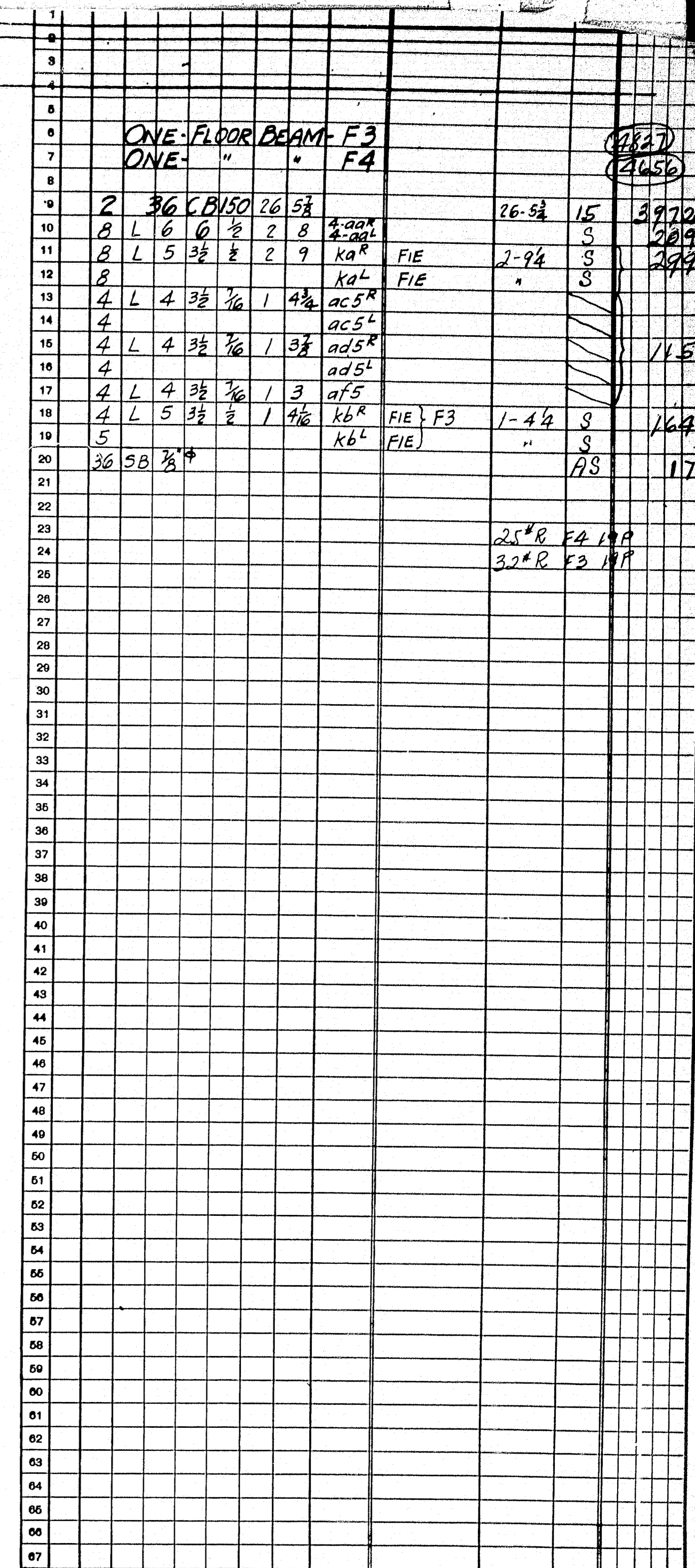
(Work sheets 5 and 6 together)

PAINT: Yes \odot , unless noted.
 SHOP CONTACT SURFACES: No.

Welding - Gross Wt. of Electrodes

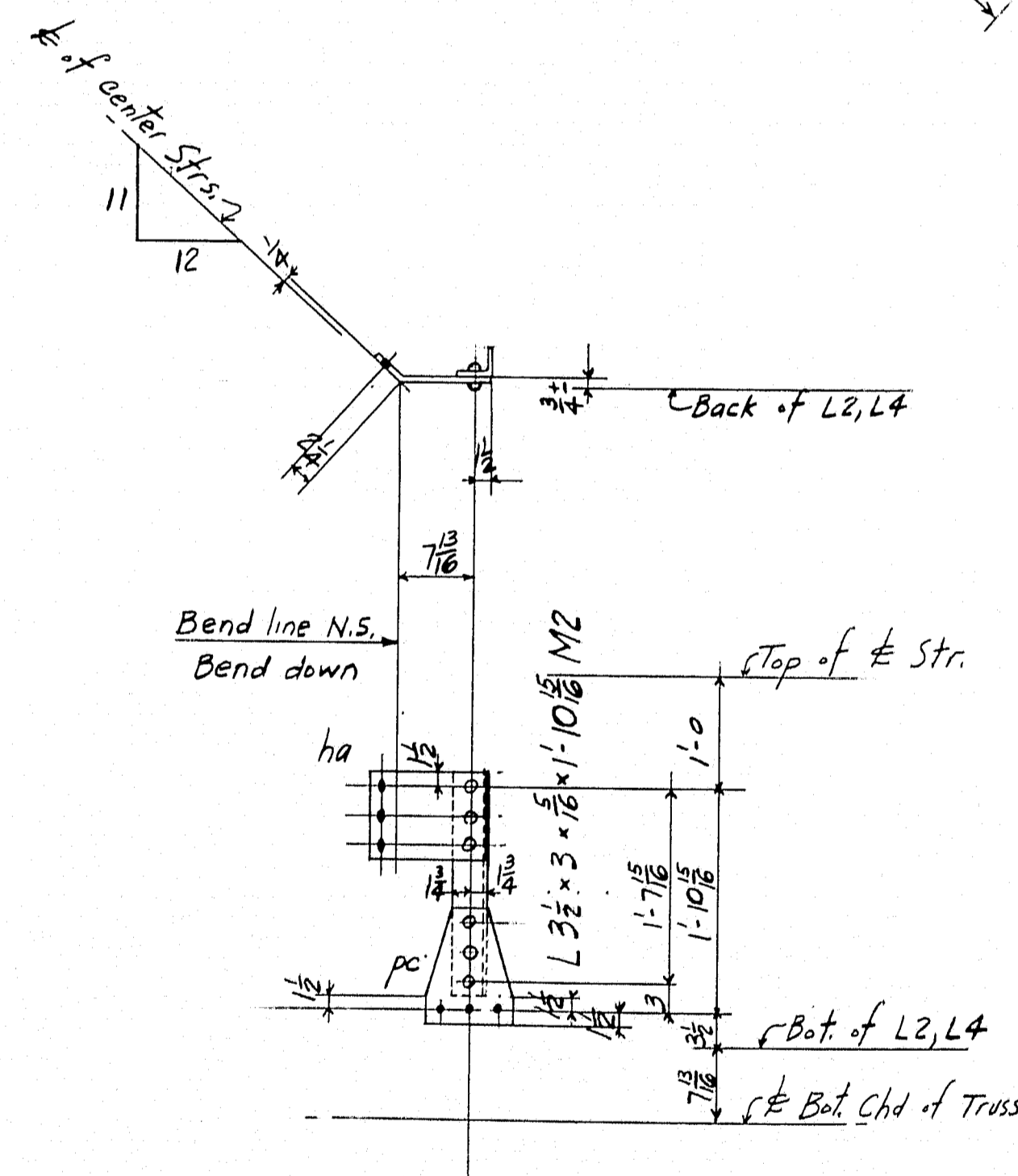
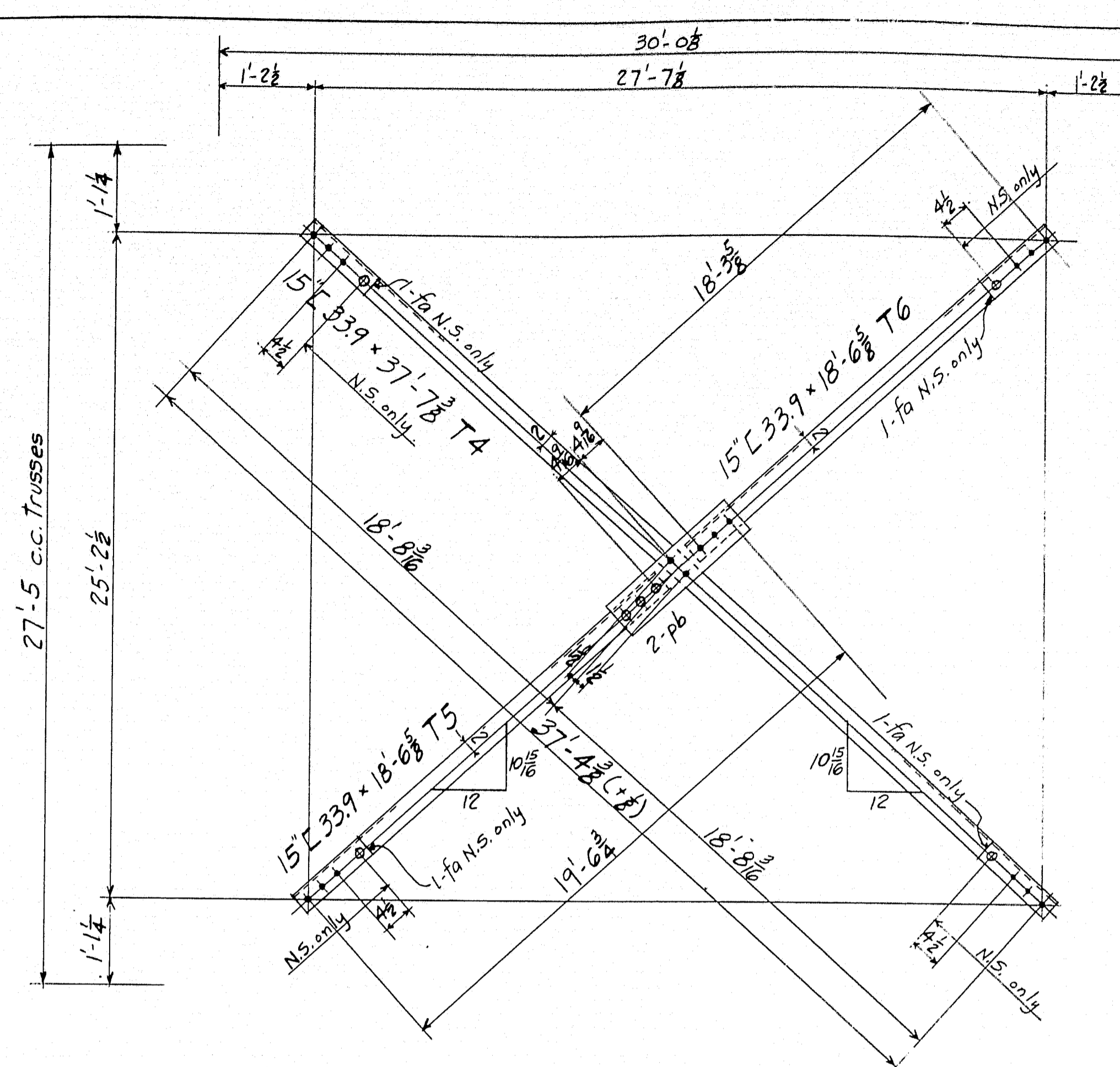
Adm. Bill

45-190



ORDER No. J4932 A SHEET No. 6

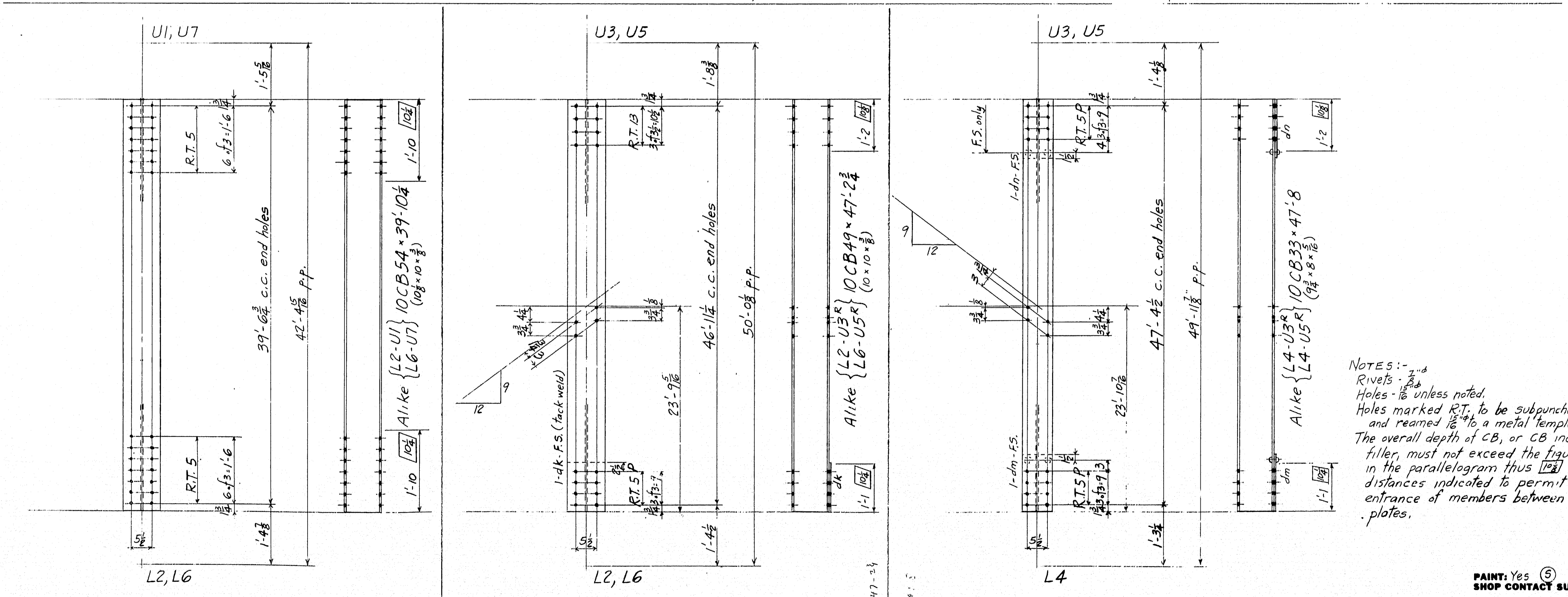
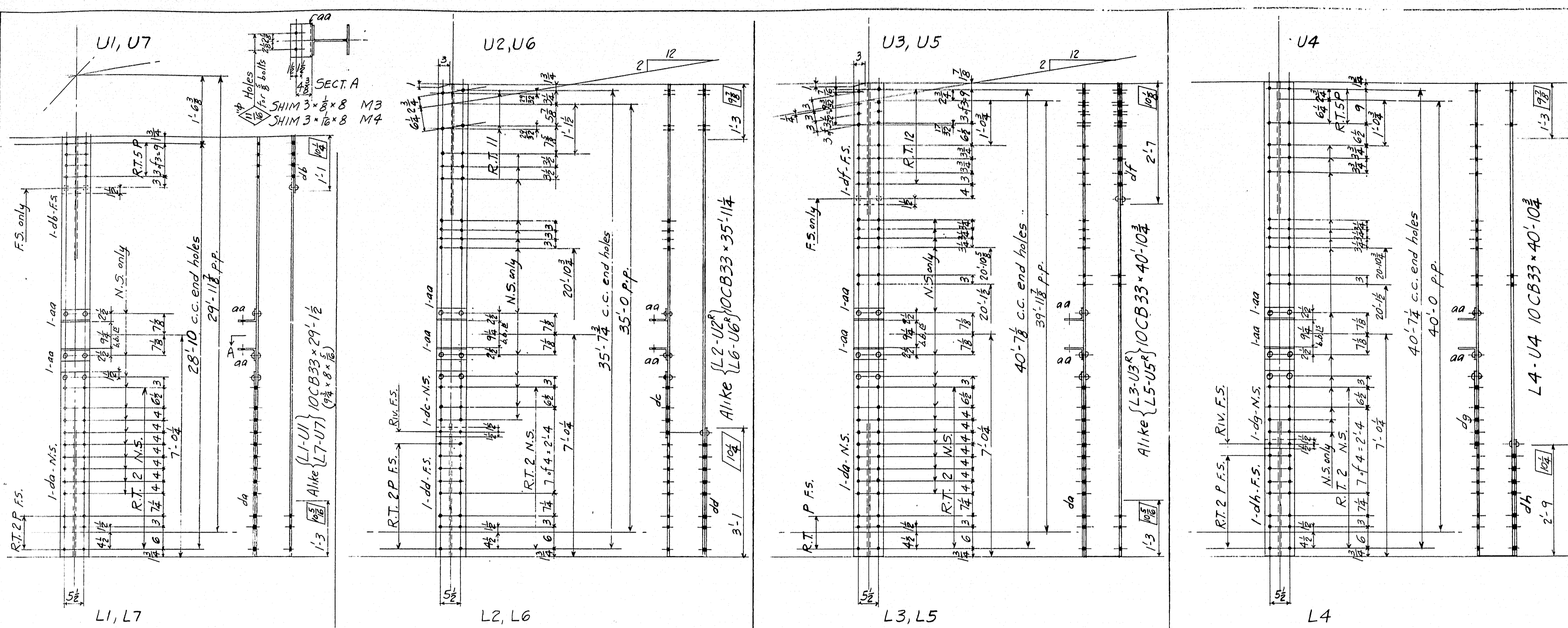
Adv. BH 45-1



STATE OF MAINE
WEST BRANCH BRIDGE OVER
WEST BRANCH-PENOBSCOT RIVER
TOWNSHIP 3-INDIAN PURCHASE
PENOBSCOT COUNTY
LATERALS

Welding-Gross Wt. of Electrodes

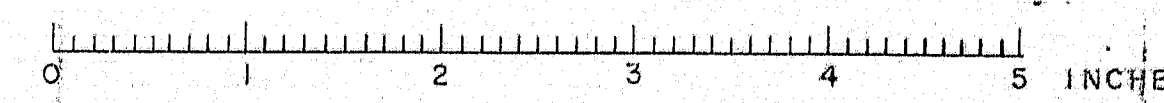
RIVETS		RIVETS		RIVETS		RIVETS		RIVETS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		BOLTS		B	
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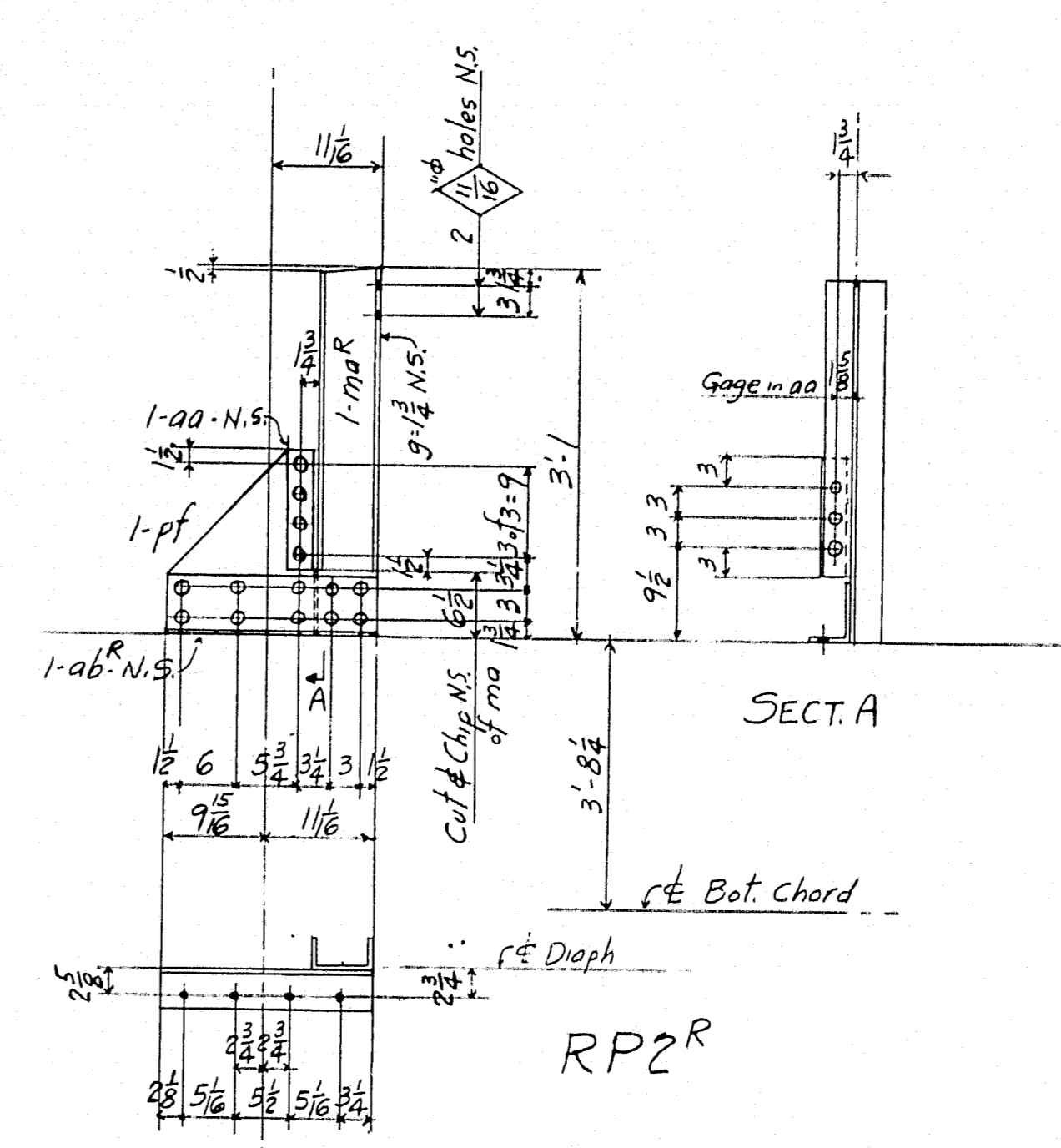


NOTES:-
 Rivets - 7/8"
 Holes - 1 1/8" unless noted.
 Holes marked RT, to be subpunched 1/8"
 and reamed 1 1/8" to a metal template.
 The overall depth of CB, or CB including
 filler, must not exceed the figure given
 in the parallelogram thus [] for the
 distances indicated to permit proper
 entrance of members between gusset
 plates.

2 VERTICALS L1-U1	2 VERTICALS L7-U7	29'-1 1/2"	23	961
4 10CB33	29'-1 1/2"	23	56	13
4 Fil. 8 3/4	4 8 3/4 da	39x16	40-0	S
4 Fil. 8 3/4	1 3 db		S	16
8 L 6 4 3/8	8 aa		S	38
ONE VERT. L2-U2	ONE VERT. L2-U2	35'-11"		(106)
ONE VERT. L6-U6	ONE VERT. L6-U6	35'-11 1/2"	22	1186
4 10CB33	35'-11 1/2"	22	20	33
4 Fil. 8 3/4	1 3 dc	39x16	40-0	S
4 Fil. 8 3/4	3 3/4 dd		S	16
8	aa		S	38
ONE VERT. L3-U3	ONE VERT. L3-U3	40'-11"		(145)
ONE VERT. L5-U5	ONE VERT. L5-U5	40'-10 1/2"	21	1350
4 10CB33	40'-10 1/2"	21	56	19
4 Fil. 8 3/4	2 9 df		S	16
8	aa		S	38
2 VERTICALS L4-U4		40'-11"		(149)
2 10CB33	40'-10 1/2"	21	1350	24
2 Fil. 8 3/4	2 9 dg	39x16	40-0	S
2 Fil. 8 3/4	2 1 1/2 dh		S	30
4	aa		S	16
SHIMS				6P
14 Bar 3 1/8	8	M3	AS	(12)
28 Bar 3 1/8	8	M4	AS	(12)
2 DIAGONALS L2-U1	2 DIAGONALS L6-U7	39'-10"	18	2152
4 10CB34	39'-10"	18	2152	5
ONE DIAG. L2-U3	ONE DIAG. L2-U3	47'-3"		(1332)
ONE DIAG. L6-U5	ONE DIAG. L6-U5	47'-2 3/4"	19	2314
4 10CB49	47'-2 3/4"	19	5	16
4 Fil. 10 8	1 1 dk tack weld		S	9
ONE DIAG. L4-U3	ONE DIAG. L4-U3	47'-8"		(1622)
ONE DIAG. L4-U5	ONE DIAG. L4-U5	47'-8"	20	1573
4 10CB33	47'-8"	20	13	13
4 Fil. 8 3/4	1 3 dn		S	9
4 Fil. 8 3/4	1 4 dn		S	12

STATE OF MAINE
 WEST BRANCH BRIDGE OVER
 WEST BRANCH - PENOBSCOT RIVER
 TOWNSHIP 3 - INDIAN PURCHASE
 PENOBSCOT COUNTY
 VERTICALS & DIAGONALS
 AMERICAN BRIDGE COMPANY
 DRAWINGS MADE AT Elmira PLANT
 WORK FABRICATED AT Elmira PLANT
 IN CHARGE OF E.E. Thompson
 DRAW. MADE BY CMN DATE 3-6-48
 DRAW. CHECKED BY TJK DATE 4-14-43
 ORDER No. J4932 A SHEET No. 11





STATE OF MAINE
WEST BRANCH BRIDGE OVER
WEST BRANCH - PENOBSCOT RIVER
TOWNSHIP 3 - INDIAN PURCHASE
PENOBSCOT COUNTY
LONGITUDINAL STRUTS, RAILING
9-10-1964-MH-CR-CTD
AMERICAN BRIDGE COMPANY

NOTES:-
Rivets - $\frac{7}{8}" \phi$ unless noted,
Holes - $\frac{15}{16}" \phi$ unless noted.

PAINT: Yes (5)
SHOP CONTACT SURFACES: No

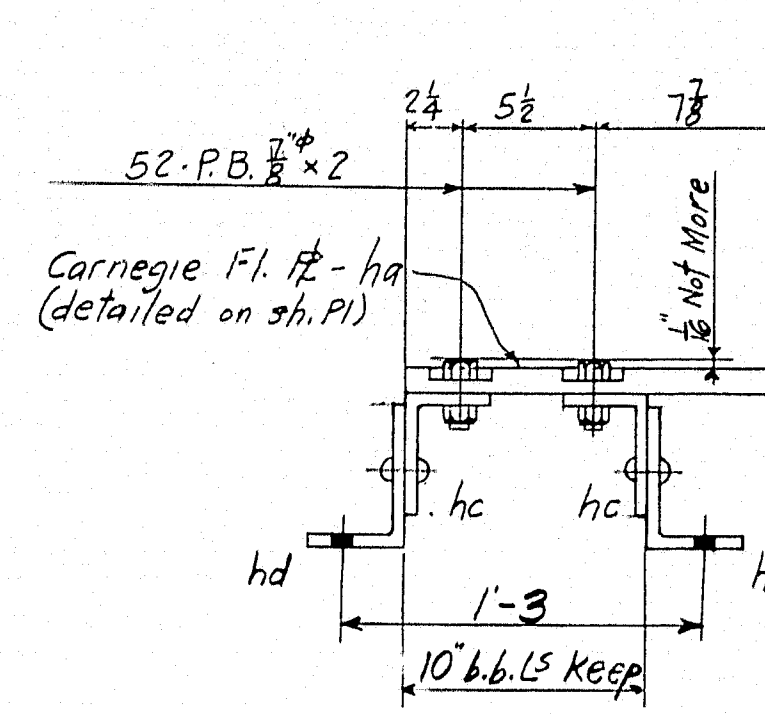
F	DRAWINGS MADE AT	Elmira	PLANT
E	WORK FABRICATED AT	Elmira	PLANT
D	IN CHARGE OF	E.E. Thompson	
C	DRAW. MADE BY	C.M.N.	DATE 3-9-48
B	DRAW. CHECKED BY	TJK	DATE 4-14-48
X	ORDER NO.	SHEET NO.	
	J4932 A	12	
REVISIONS			

Welding-Gross Wt. of Electrodes

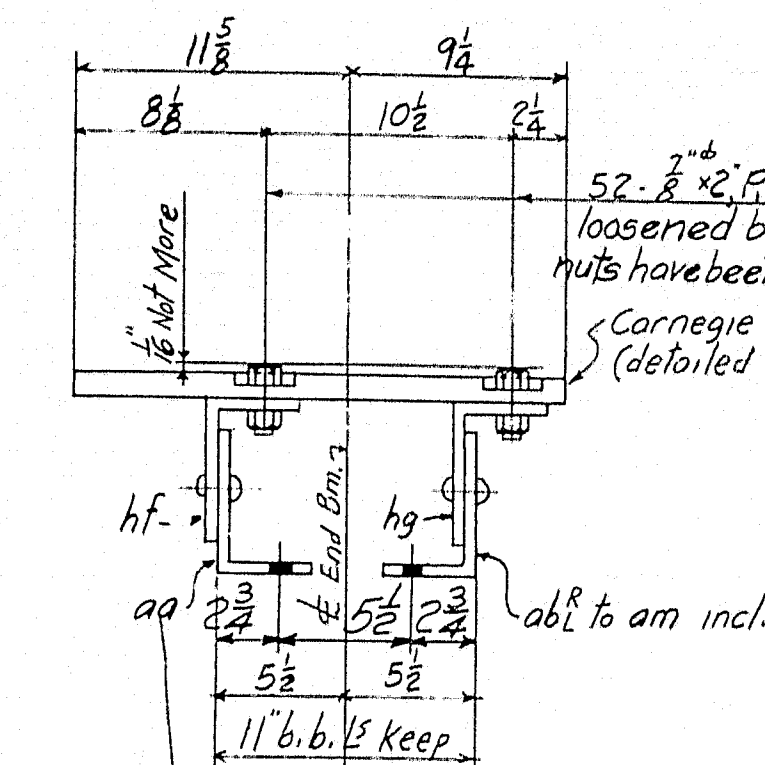
Adv. Bill

26- $\frac{3}{8}$ top hex nuts welded F.S. after Carnegie Floor Plate ha has been assembled

26- $\frac{3}{8}$ top hex nuts welded F.S. after Carnegie Floor Plate hb has been assembled

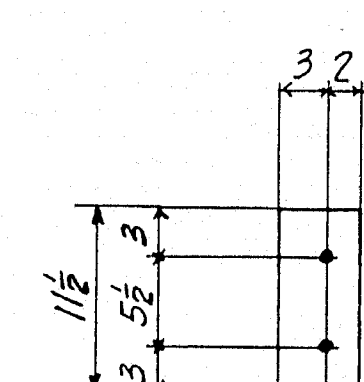


CROSS SECTION ASSEMBLY - ED1

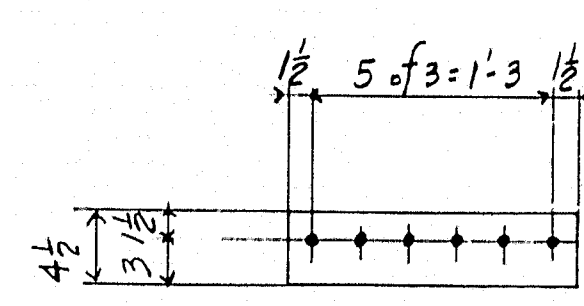


CROSS SECTION ASSEMBLY - ED2

Heads of $\frac{3}{4}$ " x 2" P Bolts must not project more than $\frac{1}{8}$ " above expansion plates - grind heads where necessary.



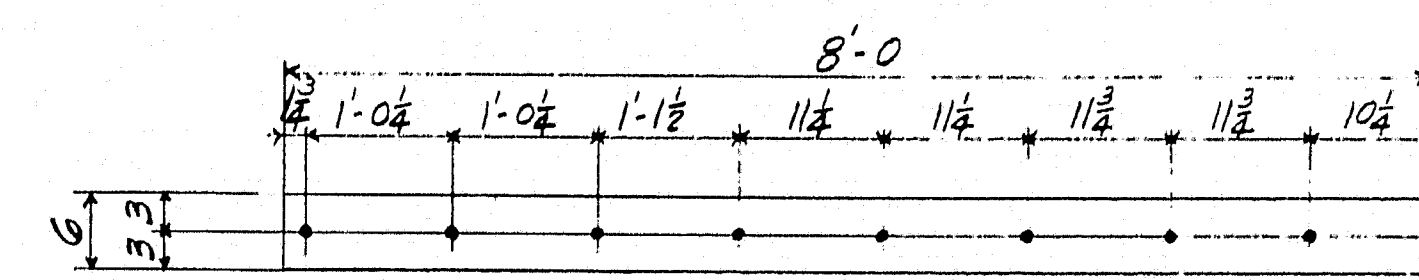
SHIM 5 x $\frac{1}{8}$ x 0'-11 1/2" M6



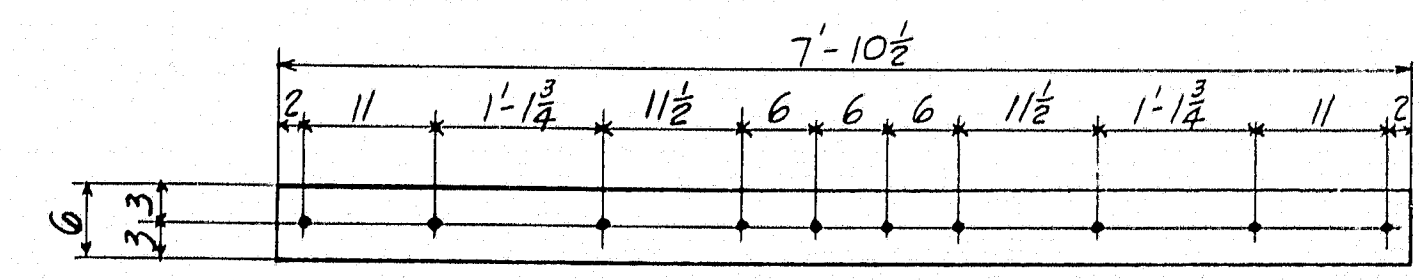
SHIM 4 x $\frac{1}{8}$ x 1'-6" M13
SHIM 4 x $\frac{1}{8}$ x 1'-6" M14
SHIM 4 x $\frac{1}{8}$ x 1'-6" M15

M18, M19, M20 1 1/2 x 3 1/2
M21, M22, M23 4 x 3 1/2

SHIM 4 x $\frac{1}{8}$ x 0'-9" M18
" 4 x $\frac{1}{8}$ x 0'-9" M19
" 4 x $\frac{1}{8}$ x 0'-9" M20
SHIM 4 x $\frac{1}{8}$ x 0'-10" M21
" 4 x $\frac{1}{8}$ x 0'-10" M22
" 4 x $\frac{1}{8}$ x 0'-10" M23



SHIM 6 x $\frac{1}{8}$ x 8'-0" M7
" 6 x $\frac{1}{8}$ x 8'-0" M8
" 6 x $\frac{1}{8}$ x 8'-0" M9



SHIM 6 x $\frac{1}{8}$ x 7'-10 1/2" M10
" 6 x $\frac{1}{8}$ x 7'-10 1/2" M11
" 6 x $\frac{1}{8}$ x 7'-10 1/2" M12

NOTES:-
Rivets - $\frac{3}{4}$ "
Holes - $\frac{1}{8}$ "

REVISED 1-5-21-48
Changed length of M21, M22, M23 from 9' to 10' in detail.
C.M.N.

PAINT: Yes (3)
SHOP CONTACT SURFACES: No

F	
E	
D	
C	
B	6-18-48
A	

DRAWINGS MADE AT: Elmira PLANT
WORK FABRICATED AT: Elmira PLANT
IN CHARGE OF: E.E. Thompson
DRAW. MADE BY: G.M.N. DATE 3-16-48
DRAW. CHECKED BY: T.J.K. DATE 4-14-48
ORDER No. J4932A
SHEET No. 13

ONE- END DAM - ED1											
1	Carnegie Fl. Pl.	ha	debanded on sh. Pl							P1	113
2	L 5 3/8 x 23 11/16	hc	bent							S	652
3	L 6 4 x 23 11/16	hd	bent							S	776
4	52 P.B. 1/2"	2								S	40
5	52 Hex Nuts 3/4"									S	28
6	8 P.L. 1/2" (20.5) FIN	5	pa							A	7
7	2 P.L. 1/2" (20.5) FIN	5	pb							A	358
ONE- END DAM - ED2											
1	Carnegie Fl. Pl.	hb	debanded on sh. Pl							P1	1554
2	L 6 4 x 23 11/16	hf	bent							S	776
3	L 6 4 x 23 11/16	hg	bent							S	470
4	L 6 4 x 23 11/16	aa	Cut 8' leg							S	97
5	L 6 4 x 23 11/16	9	ad							S	
6	L 6 4 x 23 11/16	9	ad							S	
7	L 6 4 x 23 11/16	9	ad							S	
8	L 6 4 x 23 11/16	9	ad							S	
9	L 6 4 x 23 11/16	10	ag							S	
10	L 6 4 x 23 11/16	9	ad							S	112
11	L 6 4 x 23 11/16	9	ad							S	
12	L 6 4 x 23 11/16	1	am							S	
13	52 Hex Nuts 3/4"									S	40
14	52 P.B. 1/2"	2	Weld to hf, hg							S	358
SHIMS											
30	Pl.	5	1/2"							M6	
2	"	6	1/2"							M7	
6	"	6	1/2"							M8	
4	"	6	1/2"							M9	
1	"	6	1/2"							M10	
3	"	6	1/2"							M11	
2	"	6	1/2"							M12	
1	"	4	1/2"							M13	
3	"	4	1/2"							M14	
2	"	4	1/2"							M15	
12	"	4	1/2"							M18	
36	"	4	1/2"							M19	
24	"	4	1/2"							M20	
2	"	4	1/2"							M21	
6	"	4	1/2"							M22	
4	"	4	1/2"							M23	

STATE OF MAINE
WEST BRANCH BRIDGE OVER
WEST BRANCH - PENOBSCOT RIVER
TOWNSHIP 3 - INDIAN PURCHASE
PENOBSCOT COUNTY
END DAM

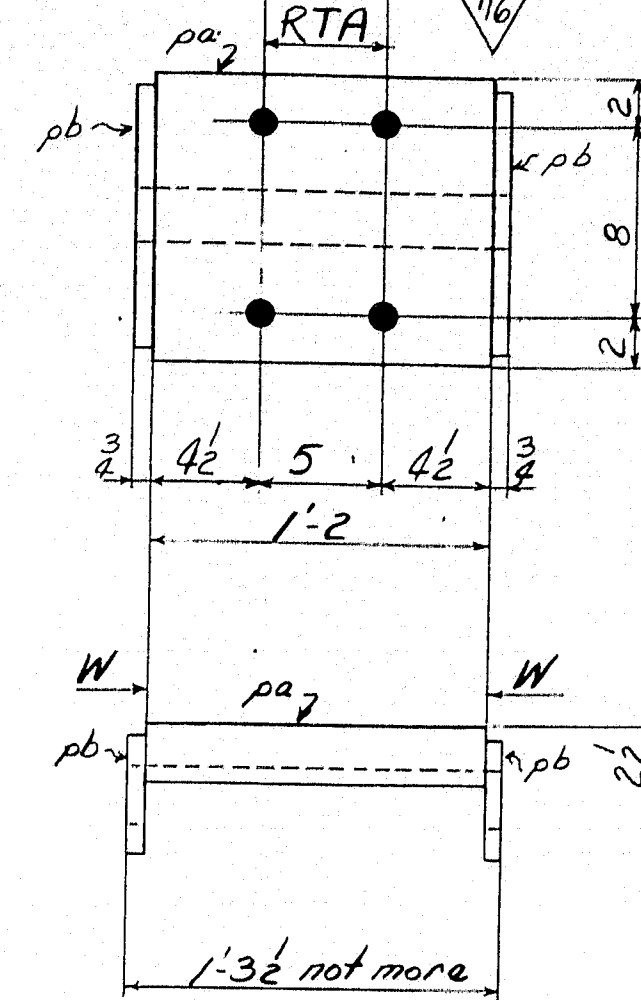
AMERICAN BRIDGE COMPANY
UNIT: 10 STATES STREET, ELMIRA, N.Y.

Welding - Gross Wt. of Electrodes

Adv. Bill

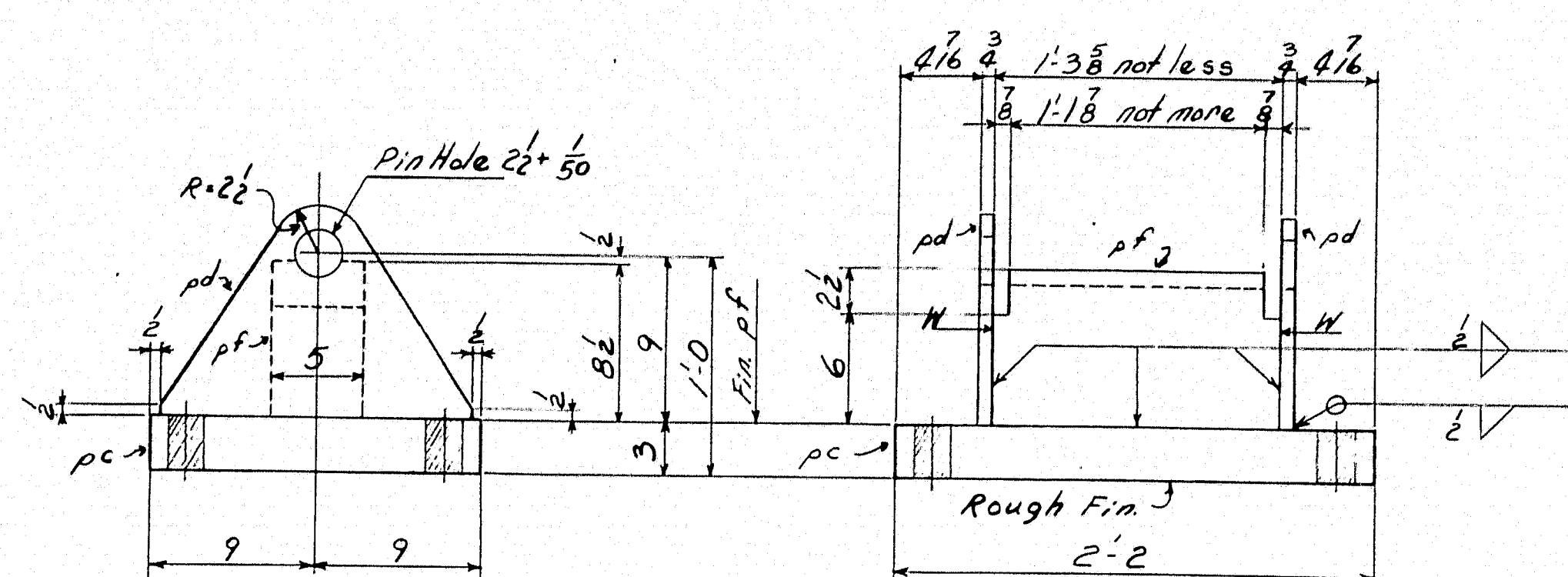
WELD
45-198

Holes for Turned Bolts

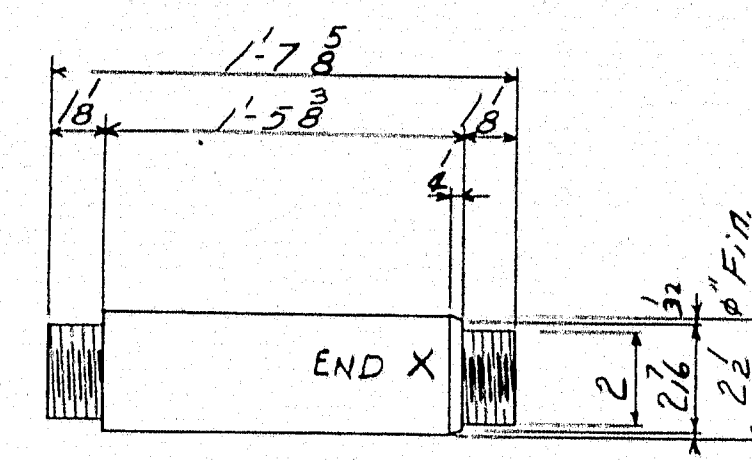


TCI

Press Flat

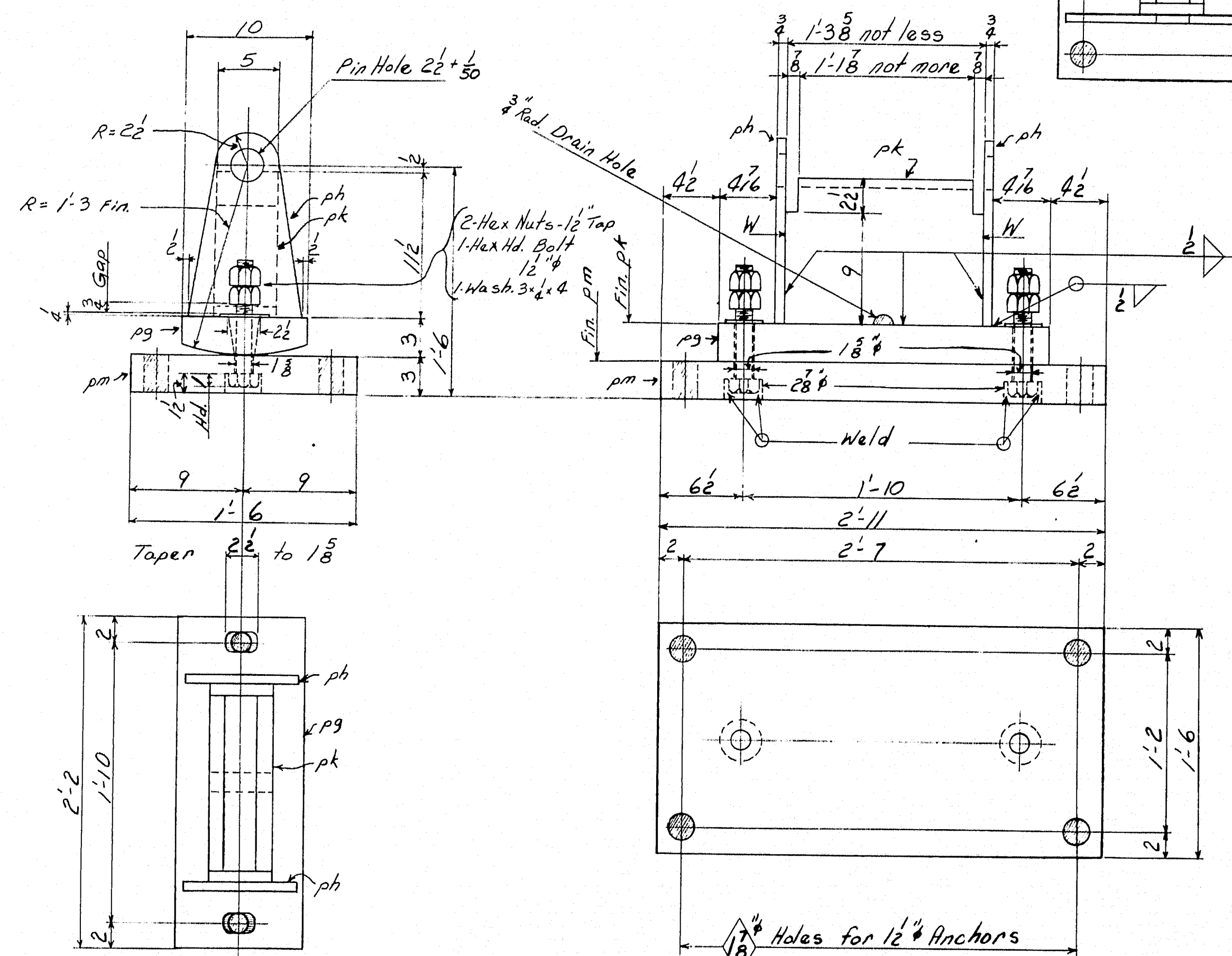


FSI



(6 threads per inch.)

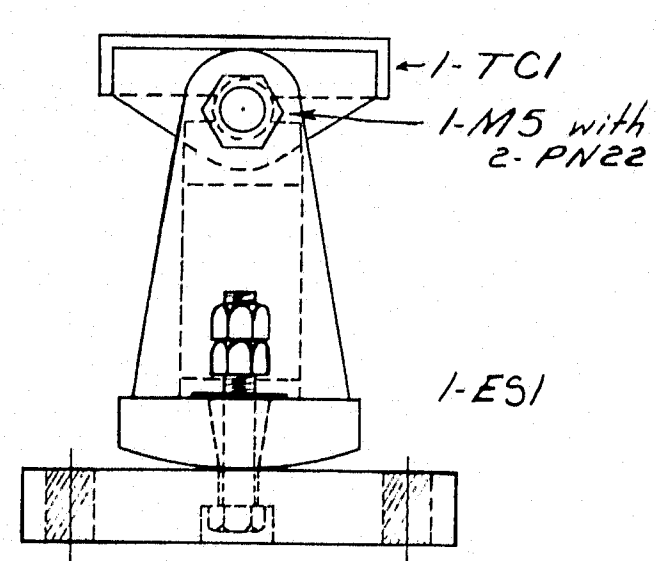
Pin - M5



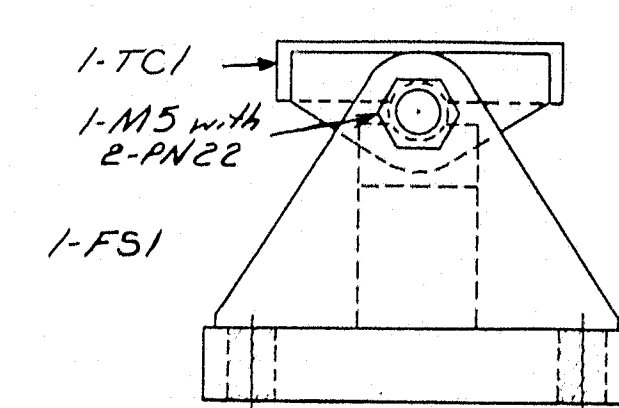
ROCKER

MASONRY PLATE - pm
Press Flat

ESI



NOTE TO SHOP
Assemble as shown for shipment



NOTES:

Holes - as noted.
Holes marked "RTA" to be drilled 1/8" to a metal template.
Edges marked "W" must be cut square and true.
Paint - Fe 5
Finished surfaces one coat of white lead
and tallow - except paint bottom of pc & pg
and top of pm.
Surfaces welded in contact in shop - No

STATE OF MAINE
WEST BRANCH BRIDGE OVER
WEST BRANCH - PENOBSCOT RIVER
TOWNSHIP 3 - INDIAN PURCHASE
PENOBSCOT COUNTY
SHOES

AMERICAN BRIDGE COMPANY
UNITED STATES STEEL CORPORATION SUBSIDIARY

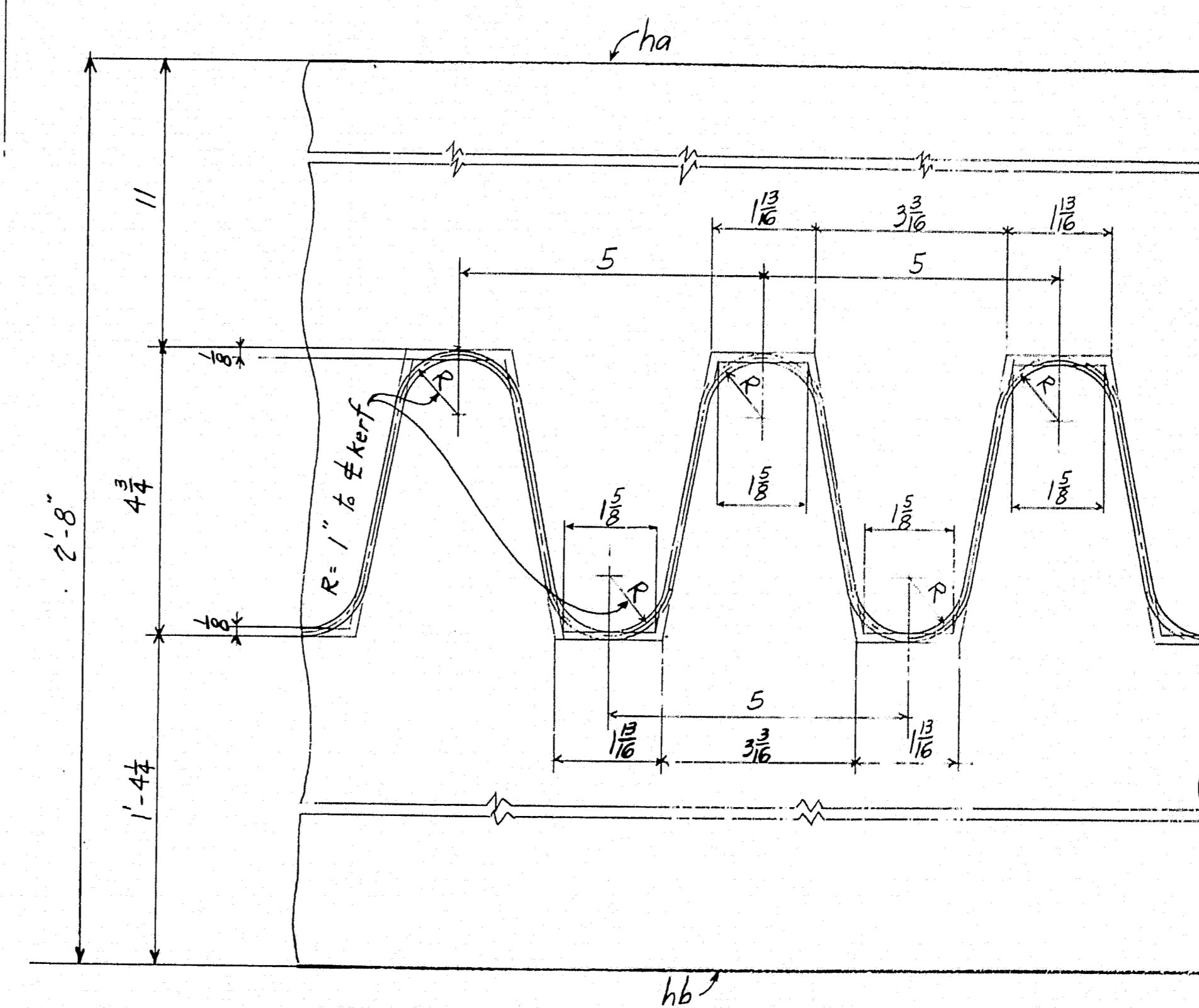
REVISIONS	ORDER No. J-4932A	SHEET No. 14
Drawn by	Checked by	DATE 3-16-48
Drawn by	Checked by	DATE 4-14-48
Drawn by	Checked by	DATE 3-16-48
Drawn by	Checked by	DATE 4-14-48

Welding - Gross Wt. of Electrodes

Adv. Bill

Weld 45-19

0 1 2 3 4 5 INCHES



ORDER No. J4932 A SHEET No. P1