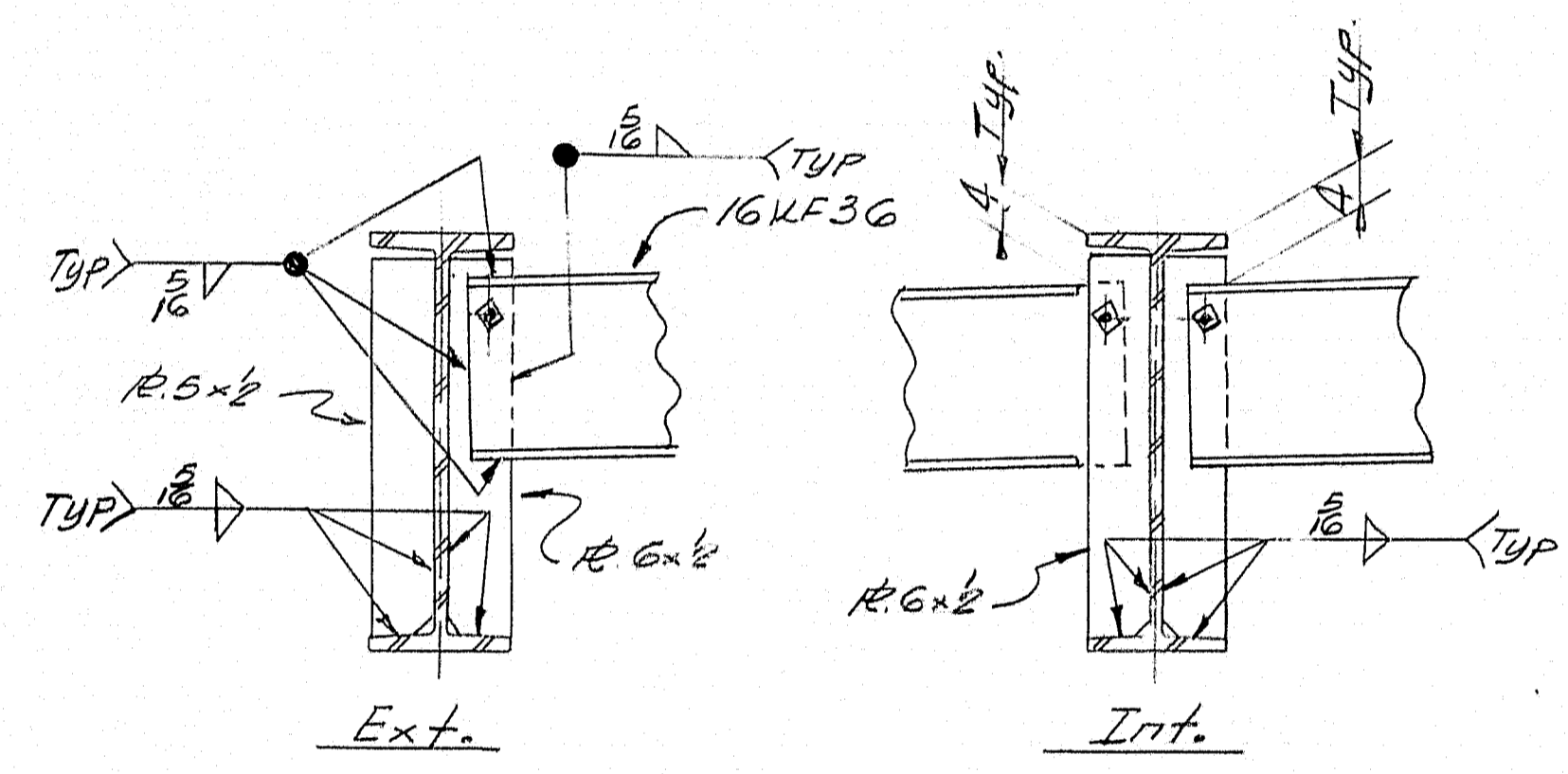
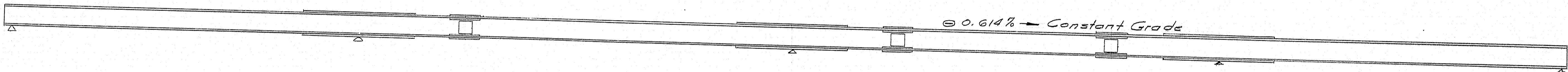
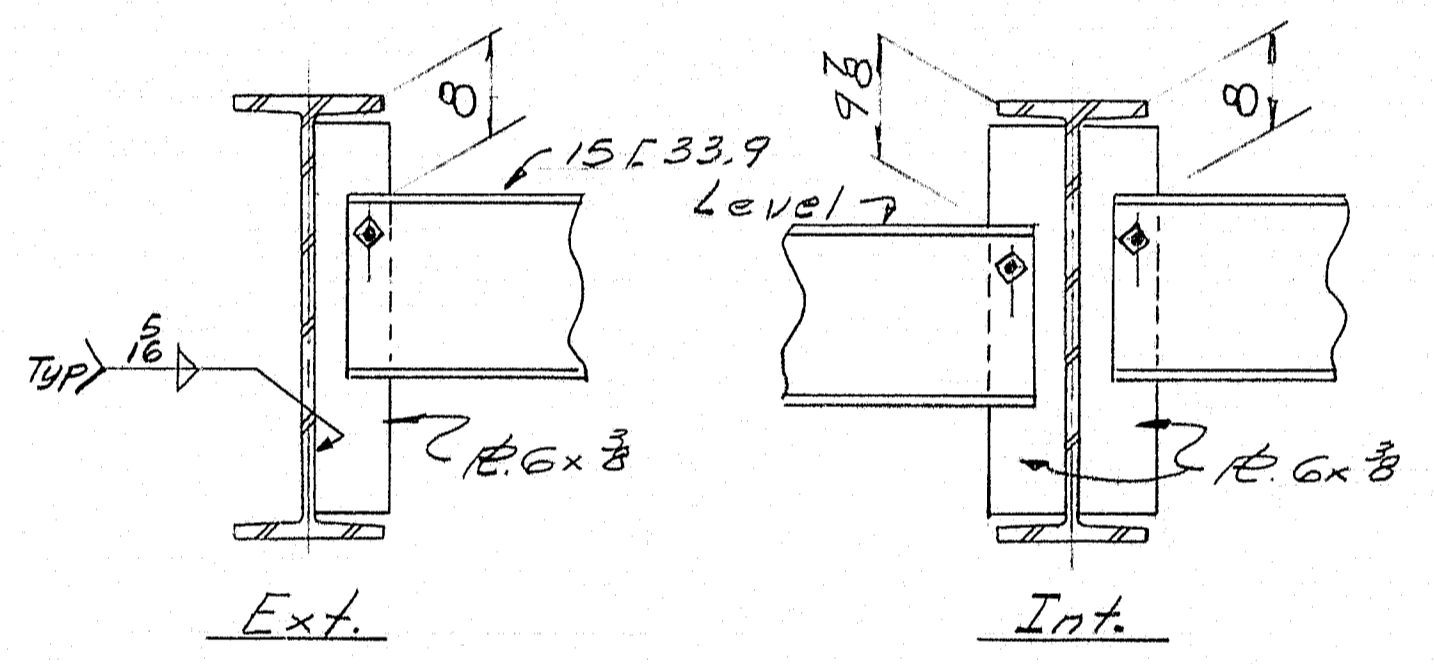


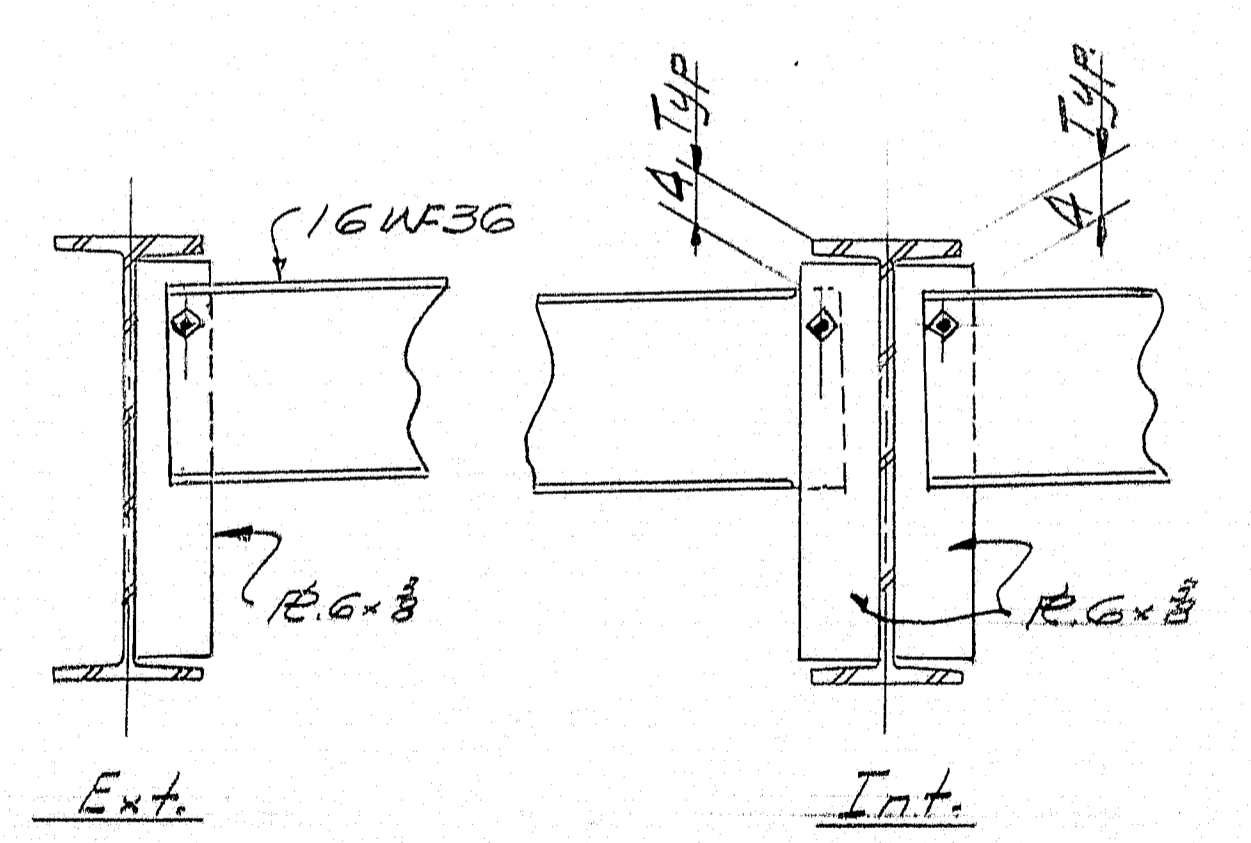
ERECTION DIAGRAM  
All dimensions horizontal



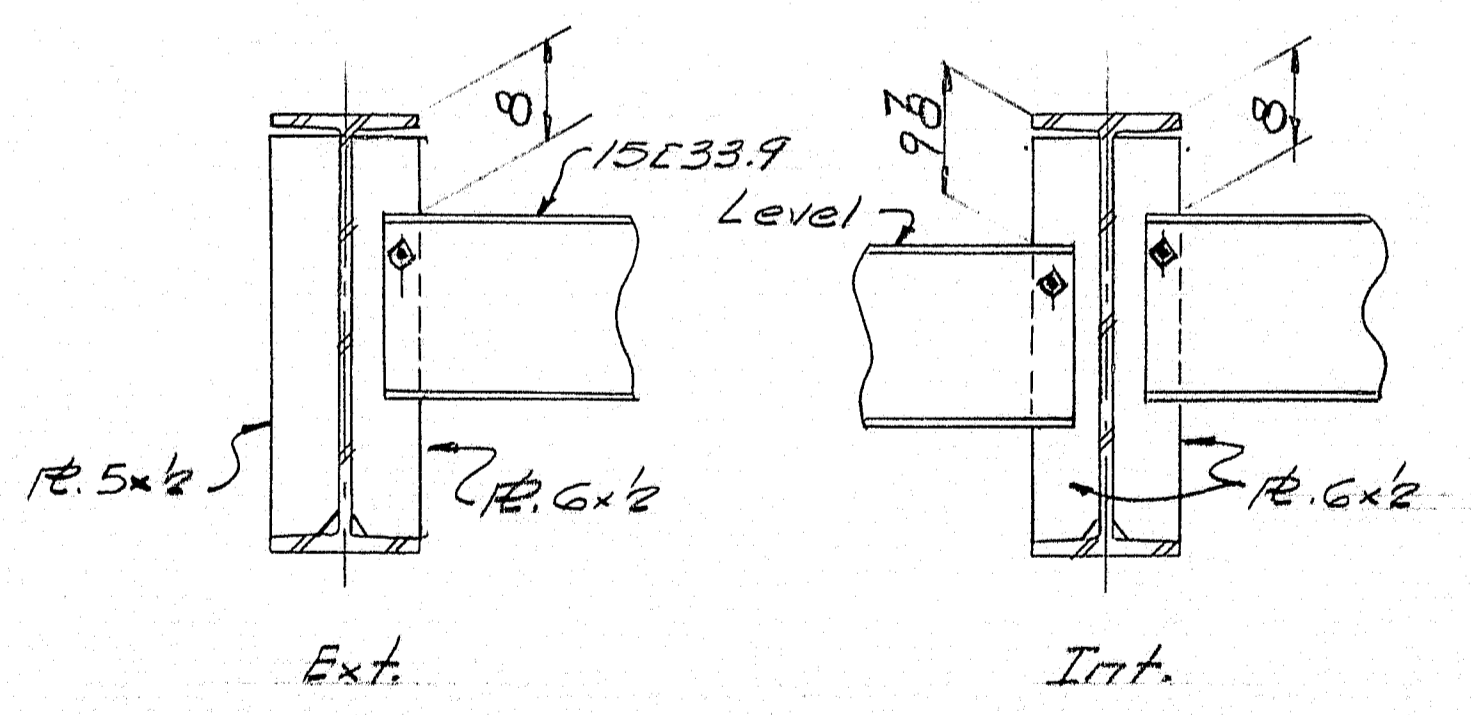
D1-Detail



D2-Detail



D3-Detail



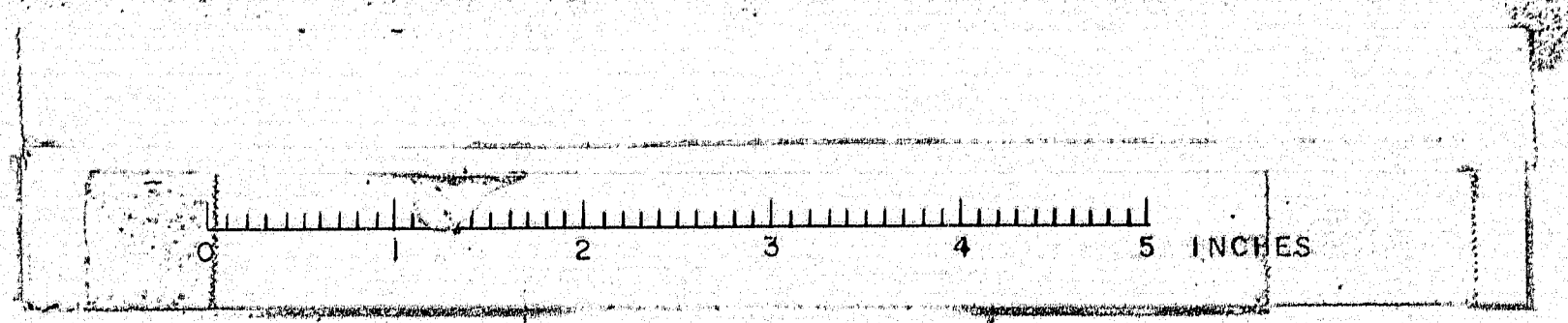
D4-Detail

NOTES:  
 SHOP CONN: Welded  
 FIELD CONN: SPICE, 3/4" H.S. Bolts  
 DIAPH 3/4" B. Bolts - Welded  
 PAINT: Per State of Maine Spec  
 Where stringers have  
 cover R's the steel for  
 both shall conform to  
 A. S. T. M. A. 373  
 Bearing R's - Field Welded

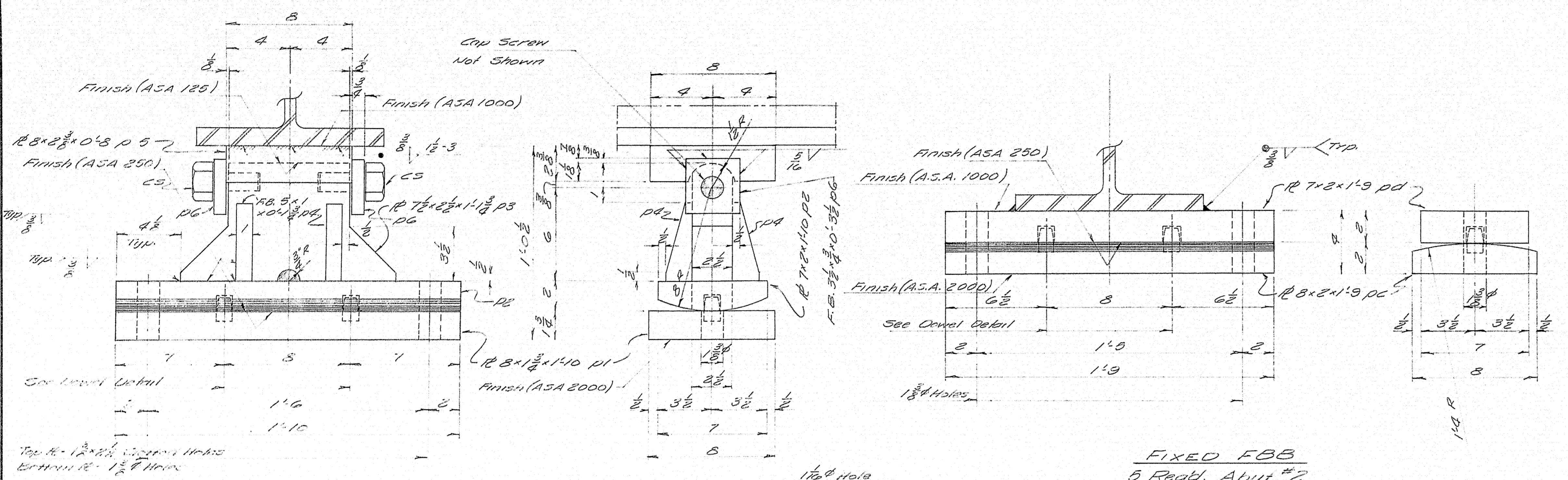
ERECTION DIAGRAM	
Prepared by: Carter Polking, M.V.C. Company	
Smith Portland Co. Maine	
ST. GEORGE RIVER BRIDGE	
WARREN, MAINE	
CUSTOMER: REED & REED	
DESIGNER: MAINE S.H.C. BRIDGE DIV.	
ORDER NO. VERBAL	DWG. NO. 61-294-E1

DRAWN	7-19-61 J.P.R.
REVISION	
REVISION	
REVISION	

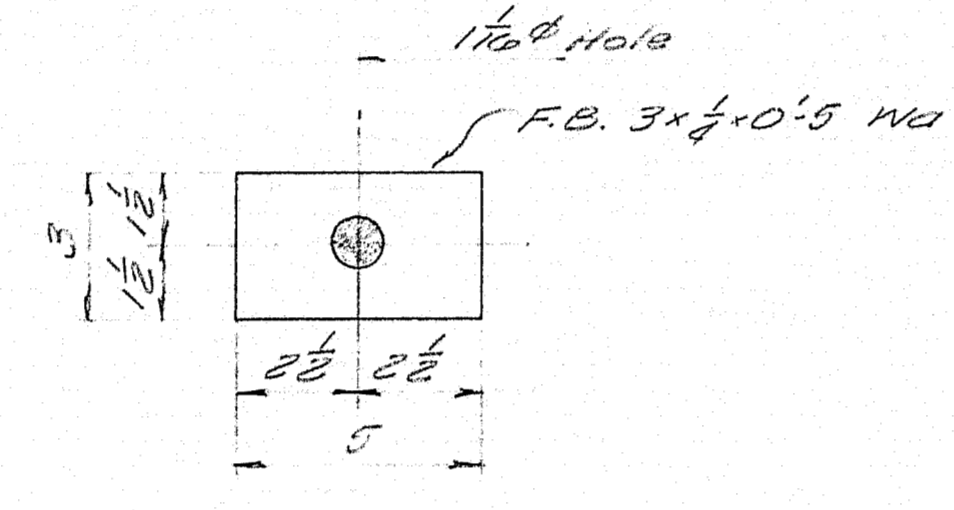
APP. 11-1-61



SHIP		BILL OF MATERIAL				DWG. NO. 61-294-51
MARK	NO.	MARK	SHAPE	LENGTH	WT.	REMARKS
SHIP 5			EBA			
	5	D1	R 8x1 1/2	1	10	
	5	D2	R 7x2	1	10	
	5	D3	R 7 1/2 x 2 1/2	1	1 1/2	
	20	D4	F.B. 5x1	0	1 1/2	
	5	D5	R 8x2 1/2	0	5	
	10	D6	F.B. 3 1/2 x 1/2	0	3 1/2	
	20	D1	1" Rod	0	1 1/2	
	10	C5	1 1/2" EPP	0	6 1/2	1 1/2" Thread x 1 1/2" Long
SHIP 5			FBB			
	5	D2	R 8x2	1	9	
	5	D4	R 7x2	1	9	
SHIP 15			FBA			
	15	D4	R 10x2 1/2	2	0	
	15	D5	R 8x2	2	0	
ABI 10			1" Rod	1	7	
AB2 40			40	1	6	
60	NUT	1" NUT				Hex. nut
50	WA	F.B. 3x1 1/2	0	5		E Washer
ITEM 702-103						

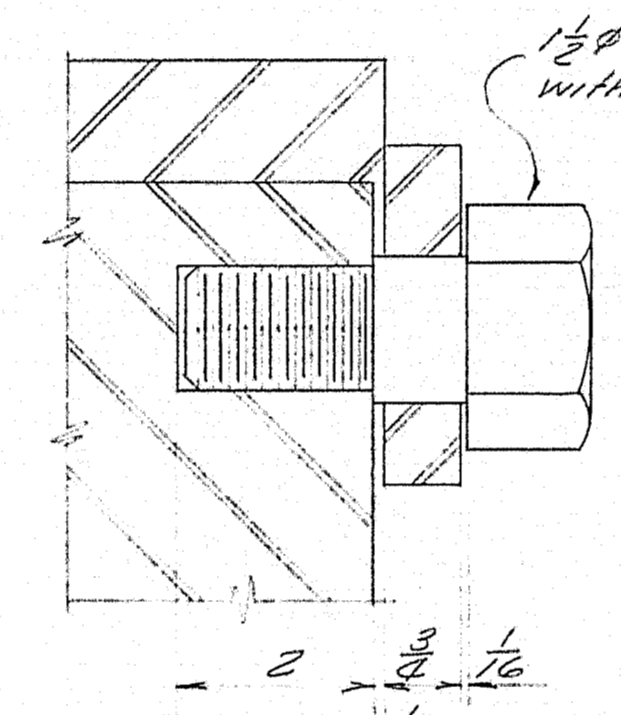


EXPANSION EBA  
5 Req'd. ABUT. #1

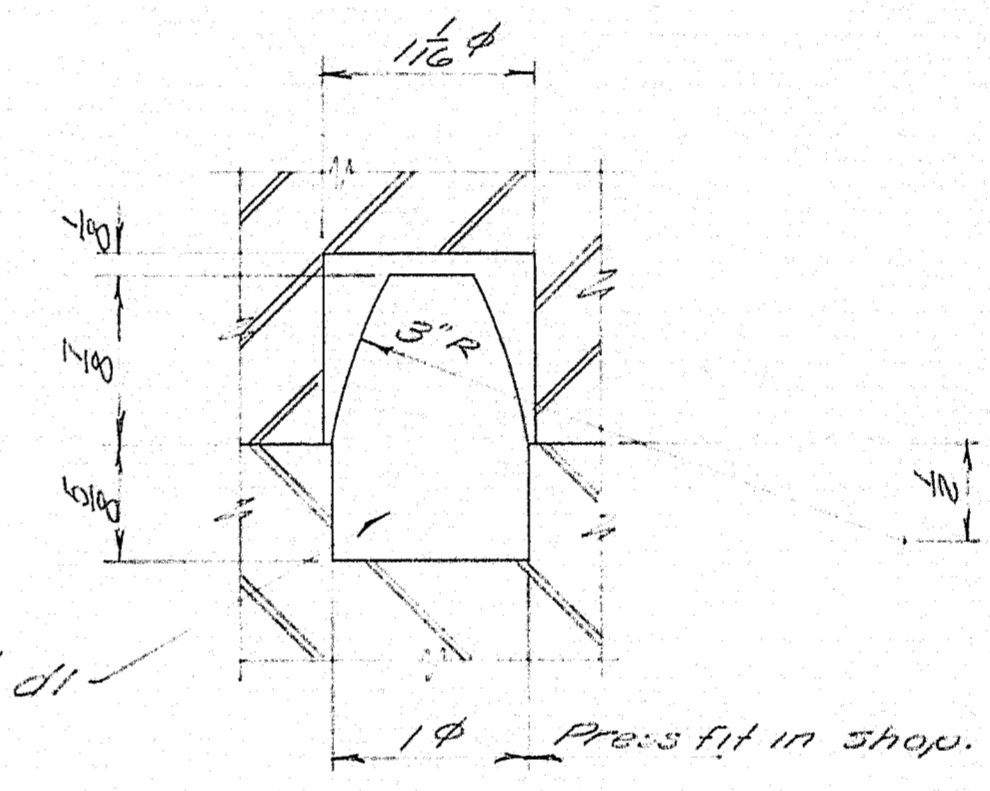


DETAIL R WASHER  
50 Req'd.

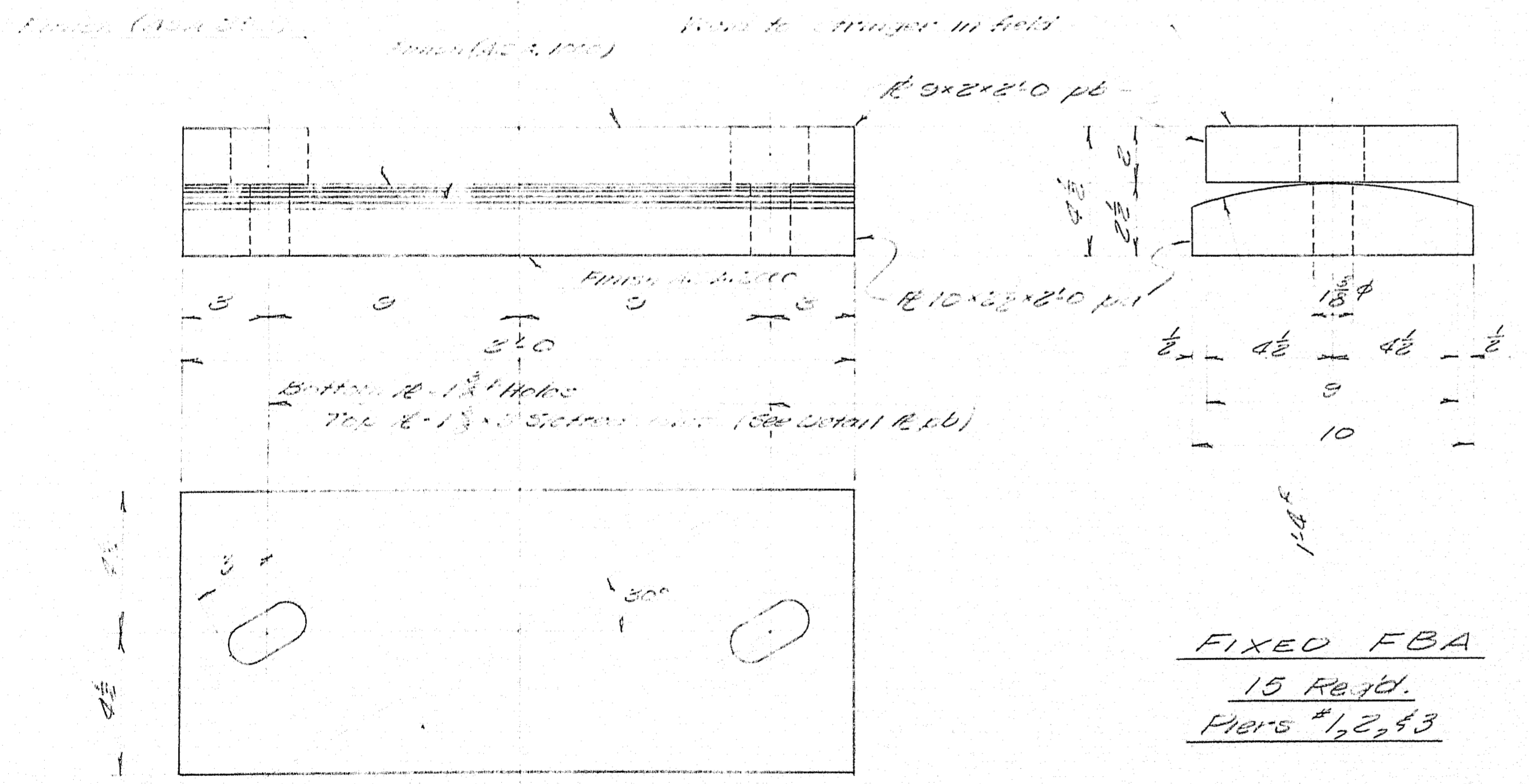
FIXED FBB  
5 Req'd. ABUT #2



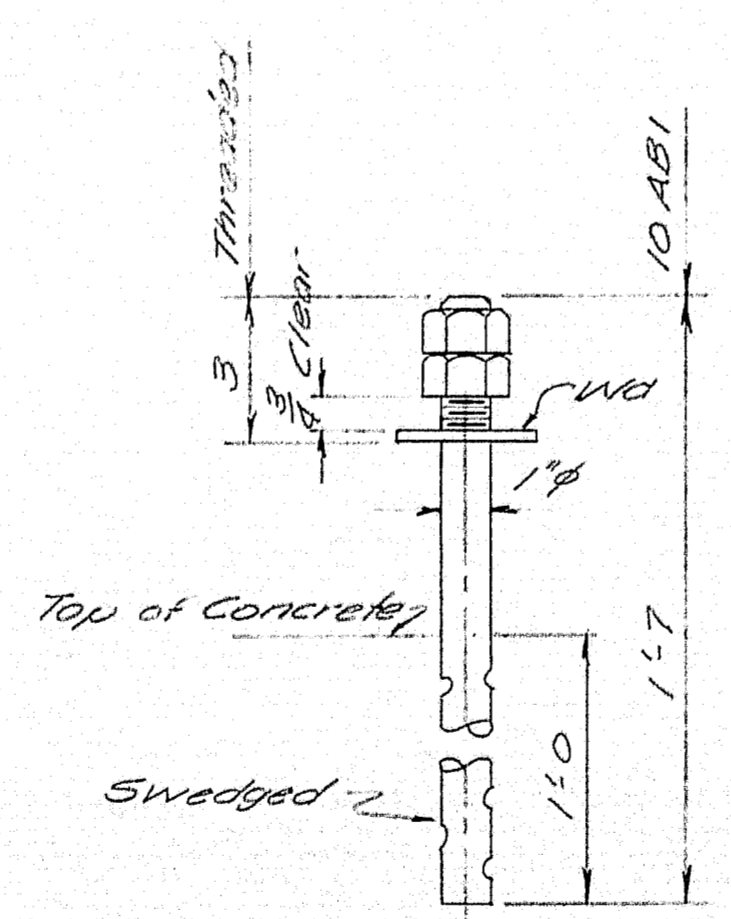
CAP SCREW DETAIL



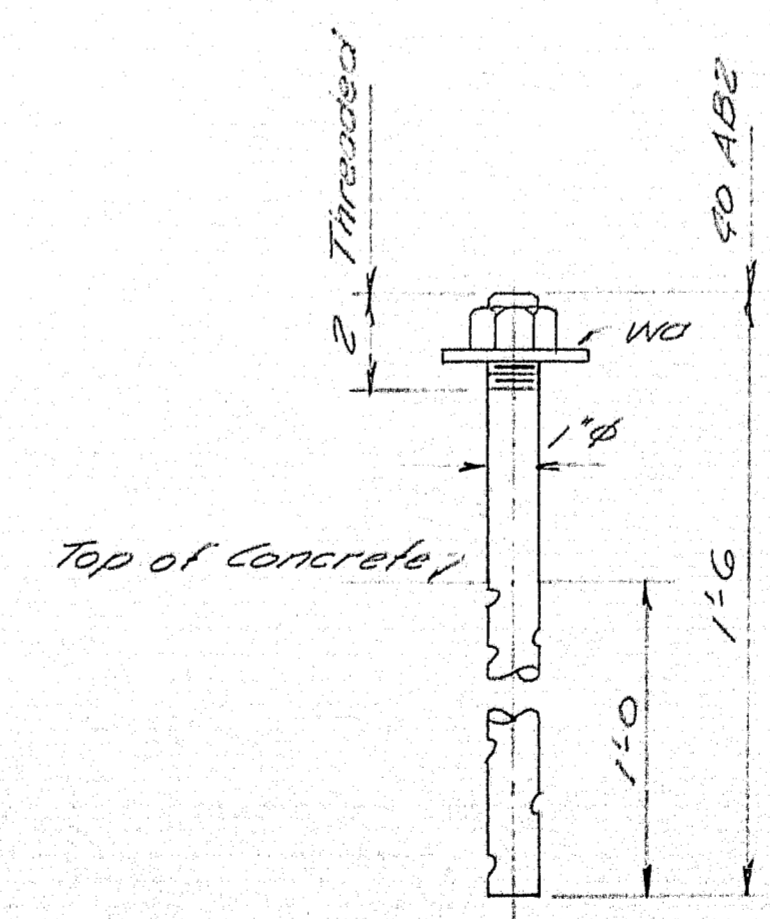
DOWEL DETAIL



FIXED FBA  
15 Req'd.  
Piers #1, 2, & 3



EXPANSION



FIXED

ANCHOR BOLTS

SCALE WEIGH

SHOP CONNECTIONS: Welded  
 FIELD CONNECTIONS: Welded, Bolted  
 HOLES: As Noted  
 PAINT: Prime Steel, Red Lead, Coat finished surfaces w/ white lead and tallow.

BEARING DETAILS

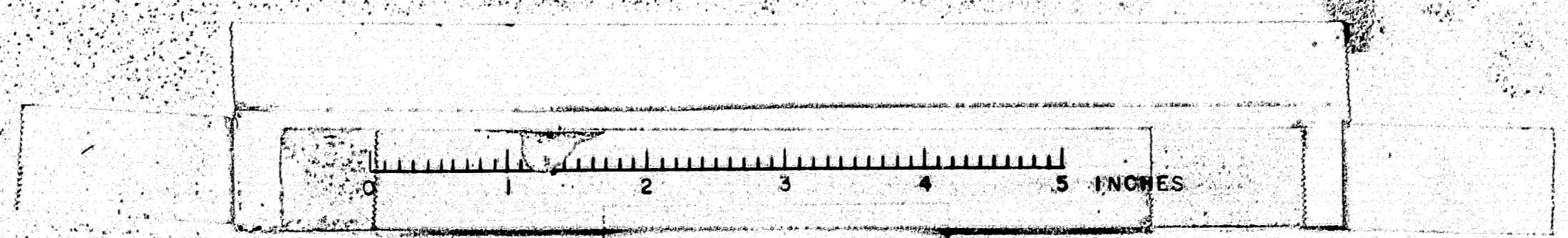
Brancroft & Martin Rollings Mills Company  
 South Portland, Maine

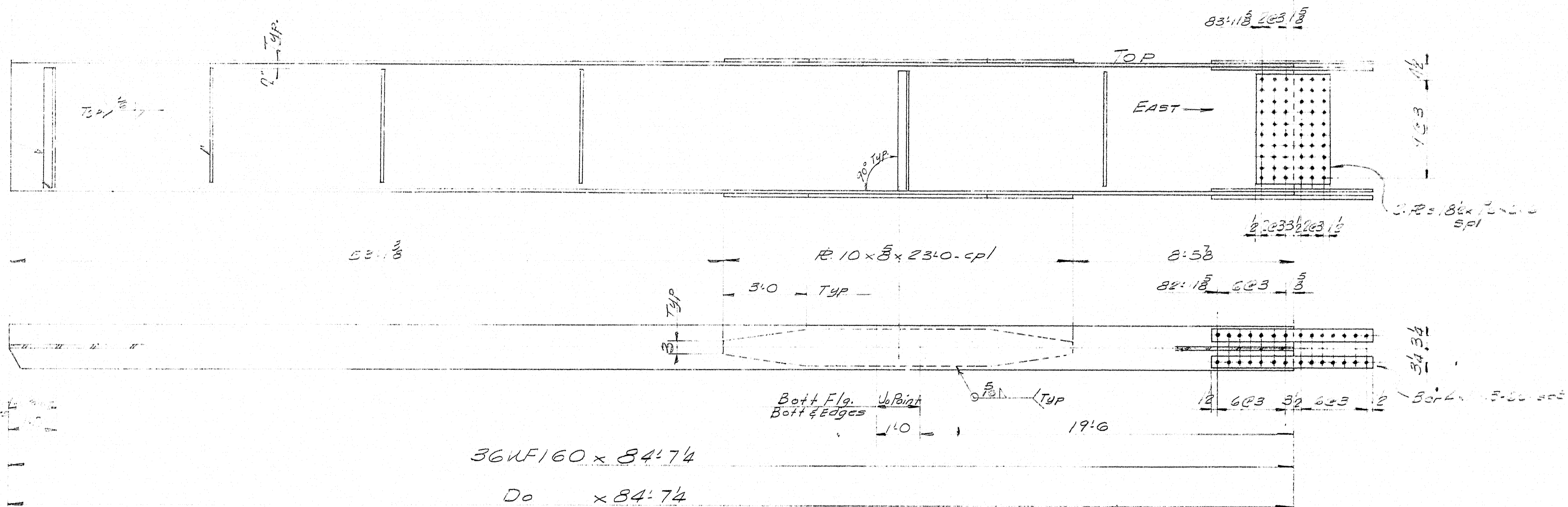
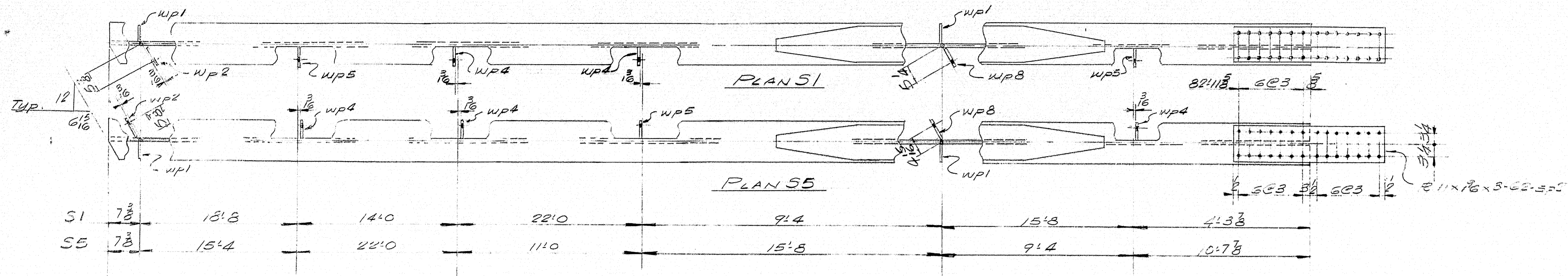
ST. GEORGE RIVER BRIDGE  
 WARREN, MAINE.

CUSTOMER REED & REED  
 DESIGNER S.H.C. BRIDGE DIV.

ORDER NO. Verbal DWG. NO. 61-294-51

DRAWN	8-11-61	H.E.L.
REVISION		
REVISION		
REVISION		

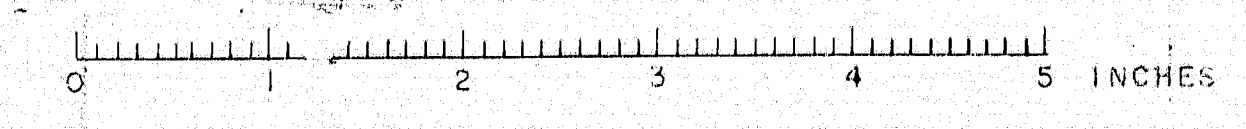


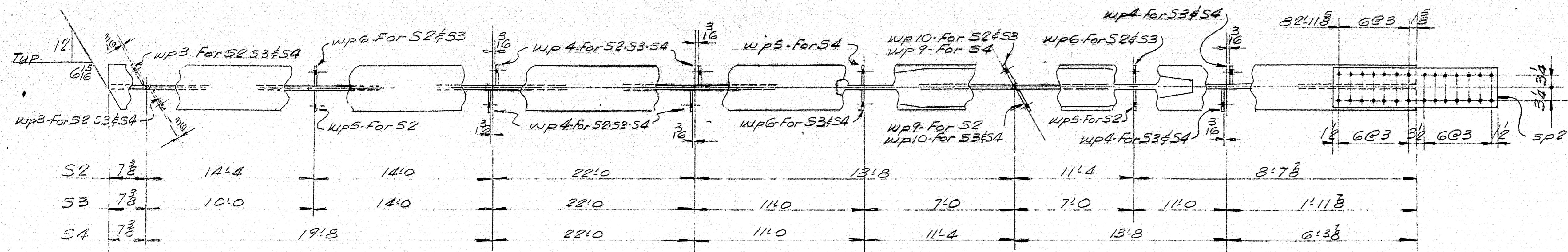


For General Notes & Bill of Material see Dwg. 81-27

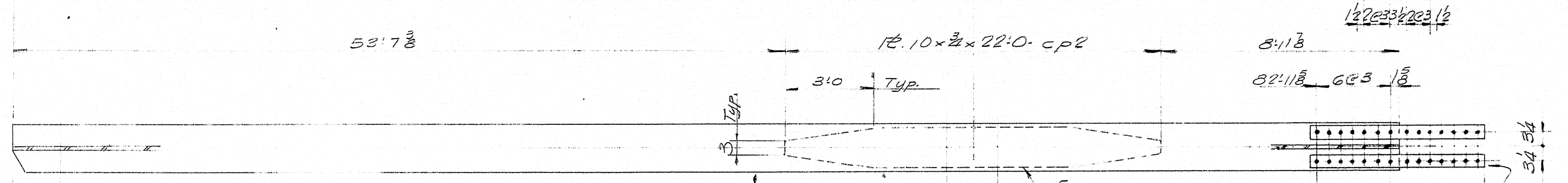
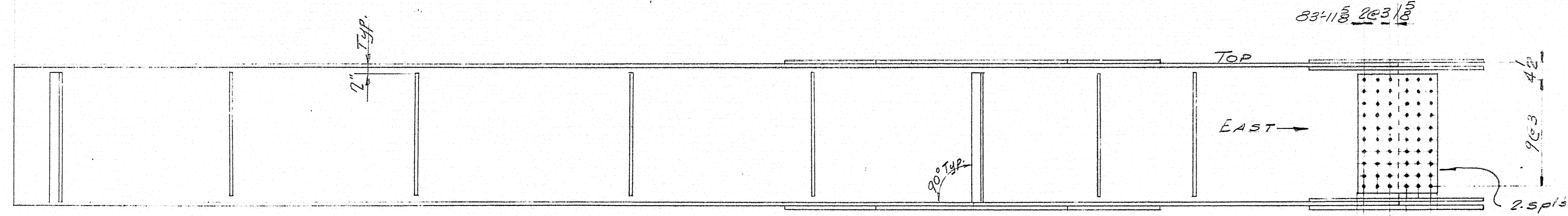
DRAWN 9-26-61 JPF		CUSTOMER REED & REED	
REVISION		DESIGNER MAINES H.C. BRIDGE D	
REVISION		ORDER NO. 15522	DWG. NO. 81-27-36
REVISION			

STRINGERS  
 Bancroft & Martin Rolling Mills Company  
 South Portland, Maine  
 ST. GEORGE RIVER BRIDGE  
 WARREN, MAINE





S2	7 1/2	14 1/4	14 1/0	22 1/0	13 1/8	11 1/4	8 7/8
S3	7 1/2	10 1/0	14 1/0	22 1/0	11 1/0	7 1/0	1 11 1/8
S4	7 1/2	19 1/8	22 1/0	11 1/0	11 1/4	13 1/8	6 3/8



Bott. Flg. No. Paint  
Bott. #Edges 140

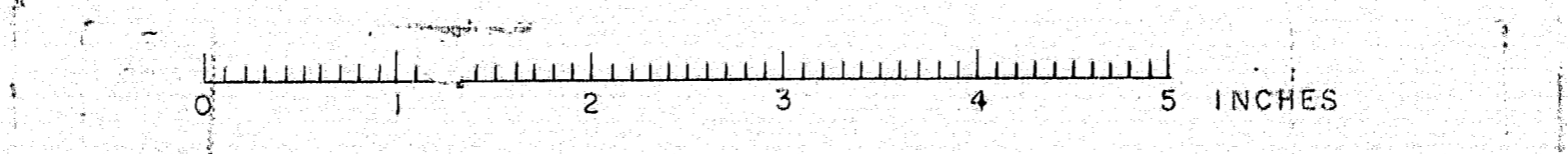
Bott. Flg. No. Paint  
Bott. #Edges 140

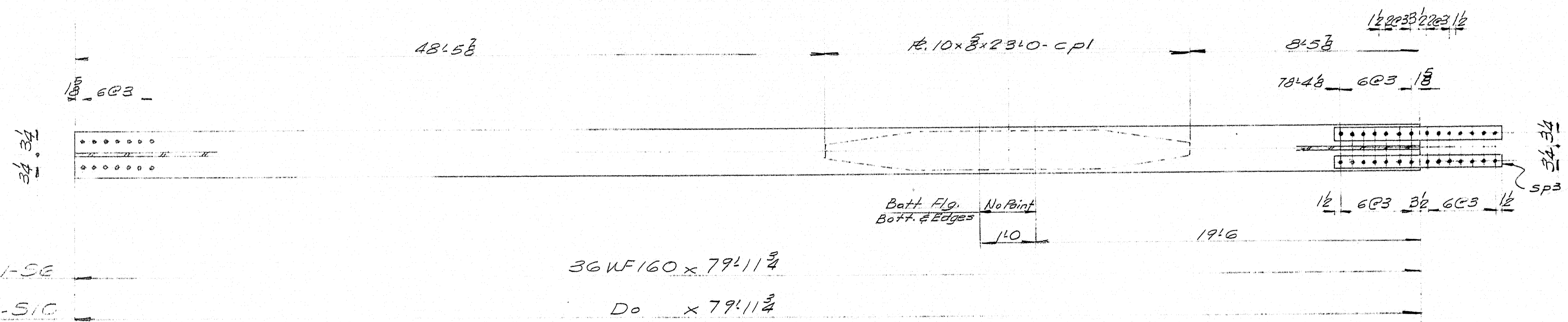
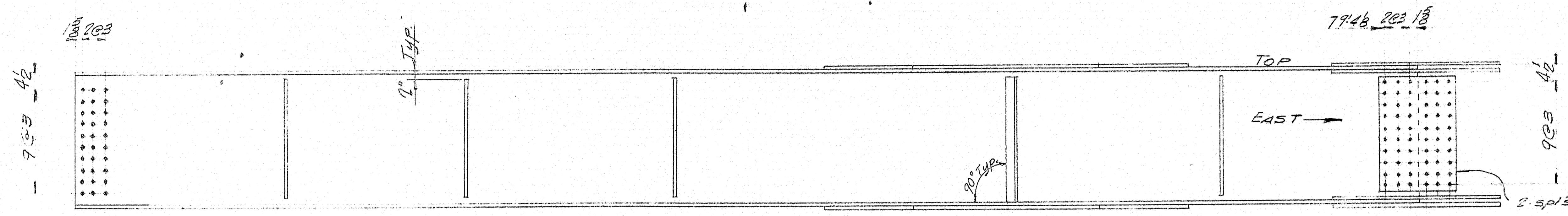
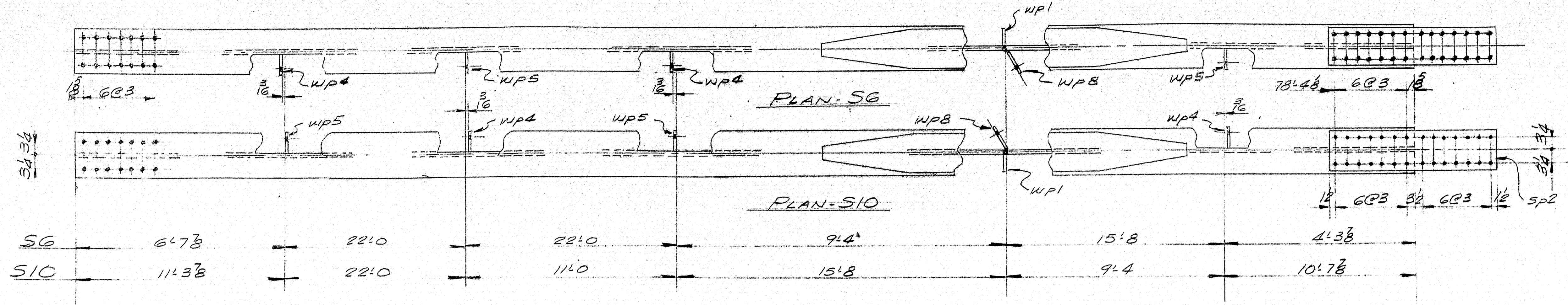
- 1-S4 36WF182 x 84 7/4
- 1-S3 D<sub>o</sub> x 84 7/4
- 1-S4 D<sub>o</sub> x 84 7/4

For General Notes & Bill of Material see Dwg.

STRINGERS	
Ramsay & Martin Rolling Mills Company South Portland 7, Maine	
ST. GEORGE RIVER BRIDGE WARREN, MAINE	
CUSTOMER REED & REED DESIGNER MAINE S.H.C. BRIDGE CO.	
ORDER NO. 1334	DWG. NO. 2134

DRAWN	9-26-61 J.P.F.
REVISION	
REVISION	
REVISION	

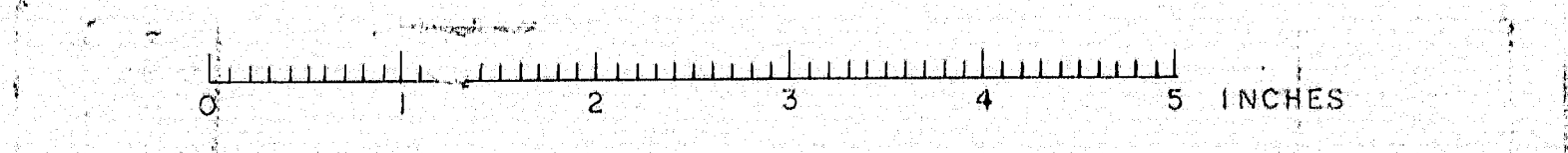


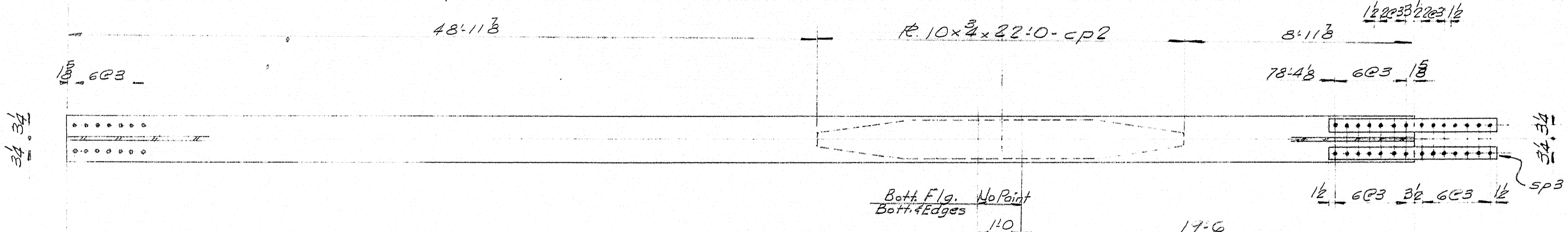
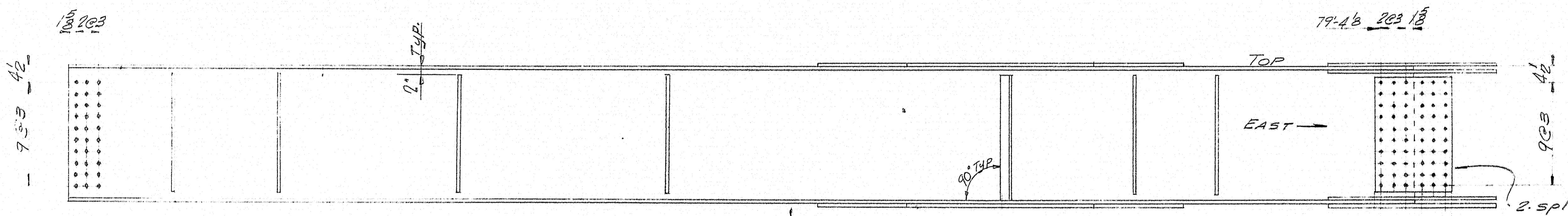
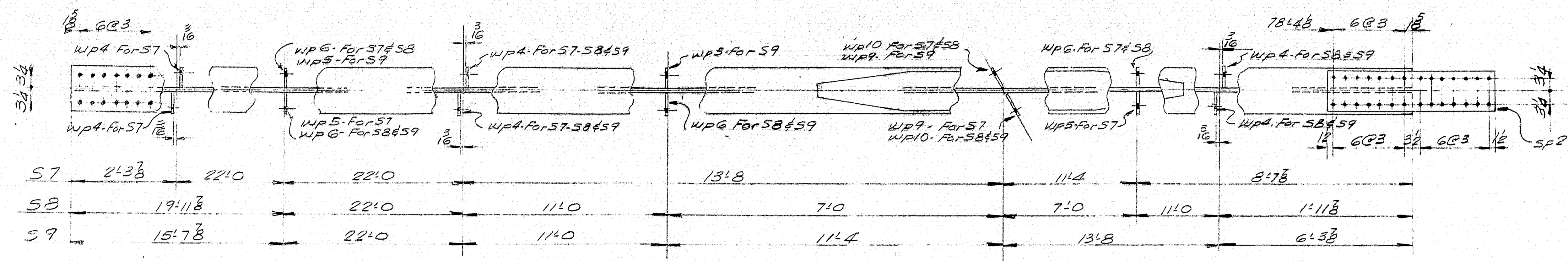


For General Notes & Bill of Material see Dwg. 5-27-41

STRINGERS	
Branco & Martin Rolling Mills Company South Portland 7, Maine	
ST. GEORGE RIVER BRIDGE WARREN, MAINE	
CUSTOMER REED & REED	
DESIGNER MAINES H.C. BRIDGE D.	
ORDER NO. 11111	DWG. NO. 51-29-41

DRAWN	9-26-61 J.P.F.
REVISION	
REVISION	
REVISION	



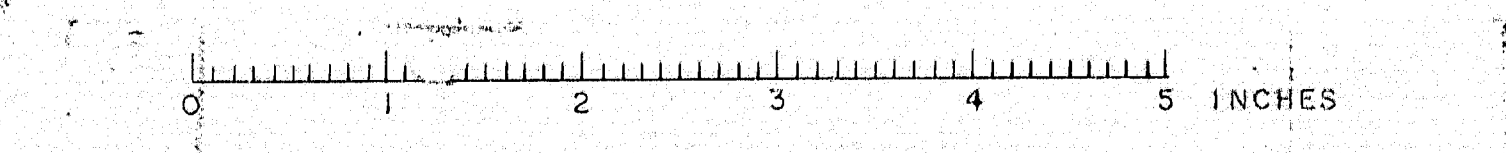


1-57	36WF182 x 79'11 $\frac{3}{4}$
1-58	D <sub>o</sub> x 79'11 $\frac{3}{4}$
1-59	D <sub>o</sub> x 79'11 $\frac{3}{4}$

For General Notes & Bill of Material see Dwg. 61-29

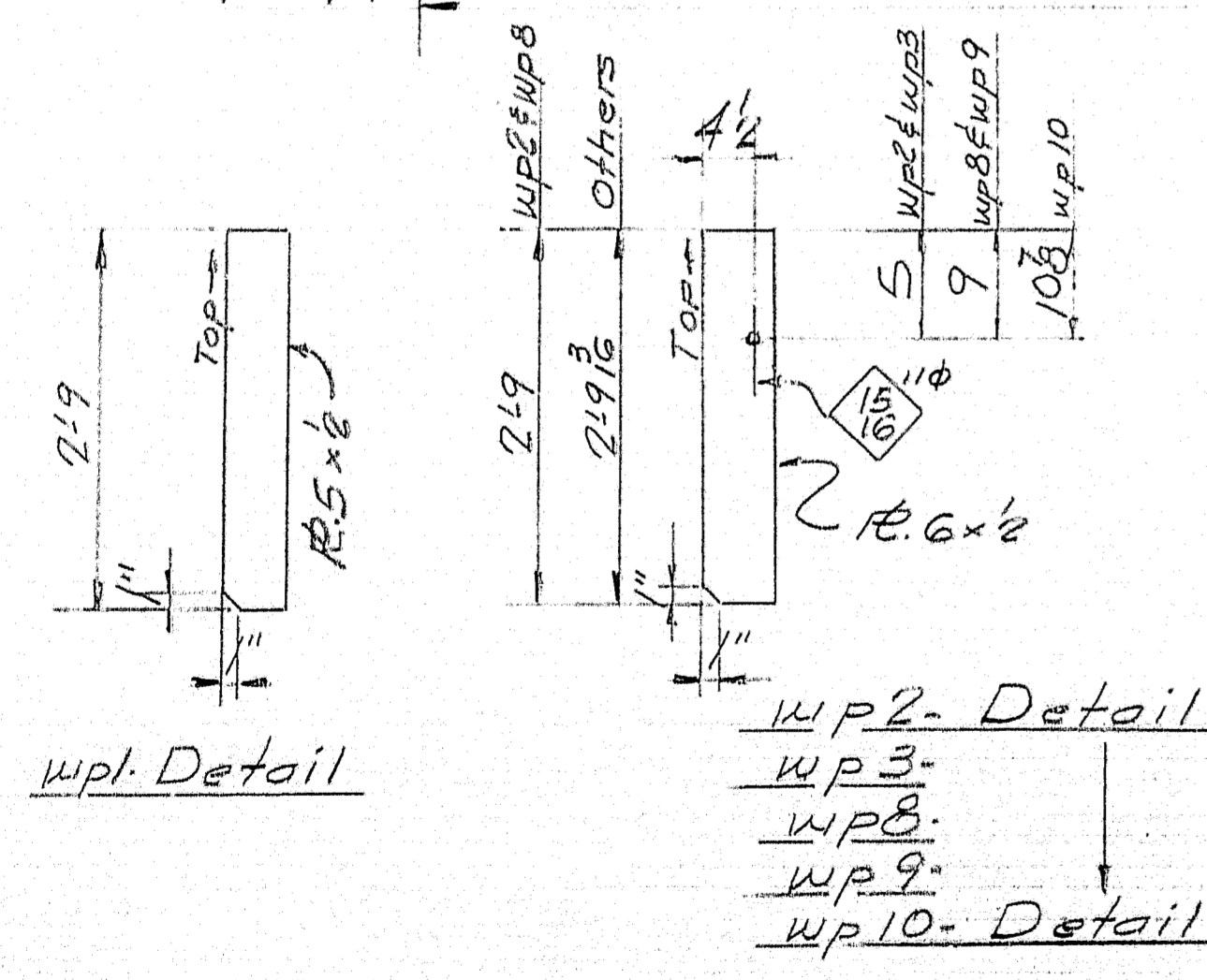
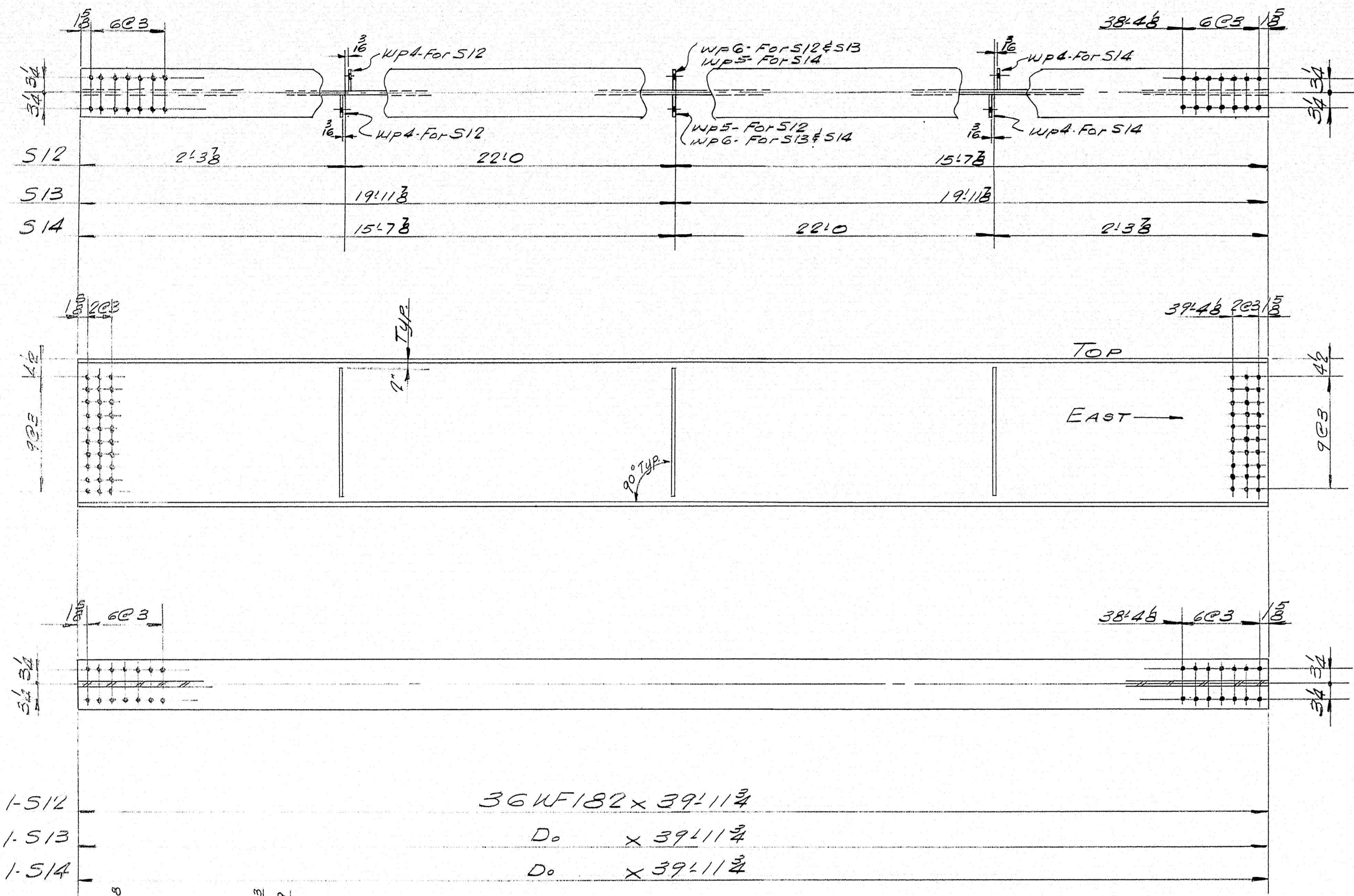
STRINGERS	
Bancroft & Martin Rolling Mills Company South Portland 7, Maine	
ST. GEORGE RIVER BRIDGE WARREN, MAINE	
CUSTOMER REED & REED	
DESIGNER WAYNE S. H. C. BRIDGE	
ORDER NO. REEDEL	DWG. NO. 61-29

DRAWN	9-26-61 J.P.P.
REVISION	
REVISION	
REVISION	





SHIP		BILL OF MATERIAL				DWG. NO. 61-294-S7	
MARK	NO.	MARK	SHAPE	LENGTH	WT.	WT. OUT	REMARKS
S1	1		36WF160	84 7/4		7.	
S2	1		36WF182	84 7/4		6.	
S3	1		Do	84 7/4		6.	
S4	1		Do	84 7/4		6.	
S5	1		36WF160	84 7/4		7.	
S6	1		Do	79 11/4			
S7	1		36WF182	79 11/4			
S8	1		Do	79 11/4			
S9	1		Do	79 11/4			
S10	1		36WF160	79 11/4			
S11	1		Do	39 11/4			
S12	1		36WF182	39 11/4			
S13	1		Do	39 11/4			
S14	1		Do	39 11/4			
S15	1		36WF160	39 11/4			
S16	1		Do	84 10/8		7.	
S17	1		36WF182	84 10/8		6.	
S18	1		Do	84 10/8		6.	
S19	1		Do	84 10/8		6.	
S20	1		36WF160	84 10/8		7.	
12	CP1		R. 10 x 3/4	23 0		540	+200%
18	CP2		R. 10 x 3/4	22 0		765	+175%
10	WP1		R. 5 x 1/2	2 9			+200%
4	WP2		R. 6 x 1/2	2 9			+200%
12	WP3		Do	2 9 3/16			+200%
64	WP4		R. 6 x 3/8	2 8			+200%
24	WP5		Do	2 8			+200%
24	WP6		Do	2 8			+200%
6	WP8		R. 6 x 1/2	2 9			+200%
6	WP9		Do	2 9 3/16			+200%
12	WP10		Do	2 9 3/16			+200%
30	SP1		R. 18 1/2 x 1/8	2 6			+200%
30	SP2		R. 11 x 1/8	3 6 1/2			+200%
60	SP3		R. 4 x 1"	3 6 1/2			+175%
FIELD 900			7" H.S. BATS	0 3 1/2	524		C/Weld Spl.
Do 840			Do	0 4 1/4	302		C/Fig Spl.
Do 3480			7" H.S. WASHERS				
2244			Lin Ft. 1/8" Fillet Weld				.166" Limit



**GENERAL NOTES**

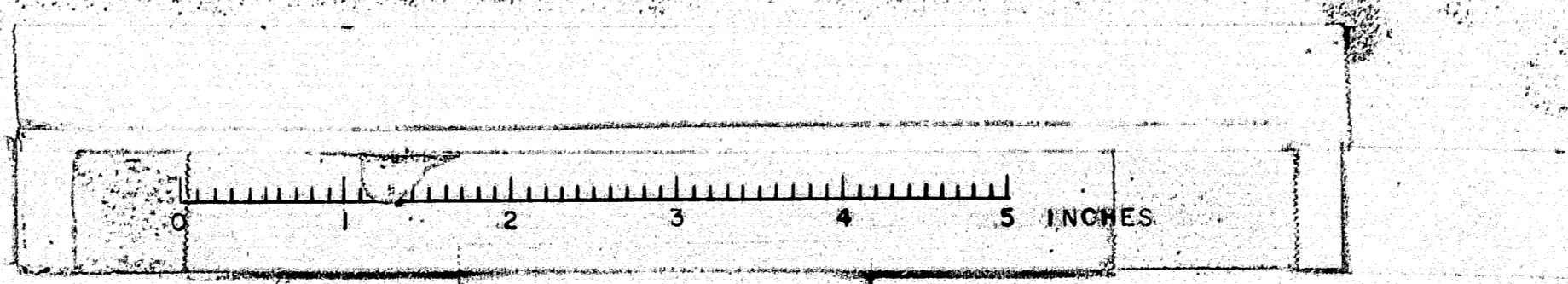
Holes in Stringers are for High Strength Bolts. They are to be free from burrs & there shall be no paint within 3" of such open holes. Subpunch or drill 1/8" φ. Ream assembled to 1/8" φ or drill from solid. Matchmark all loose material.

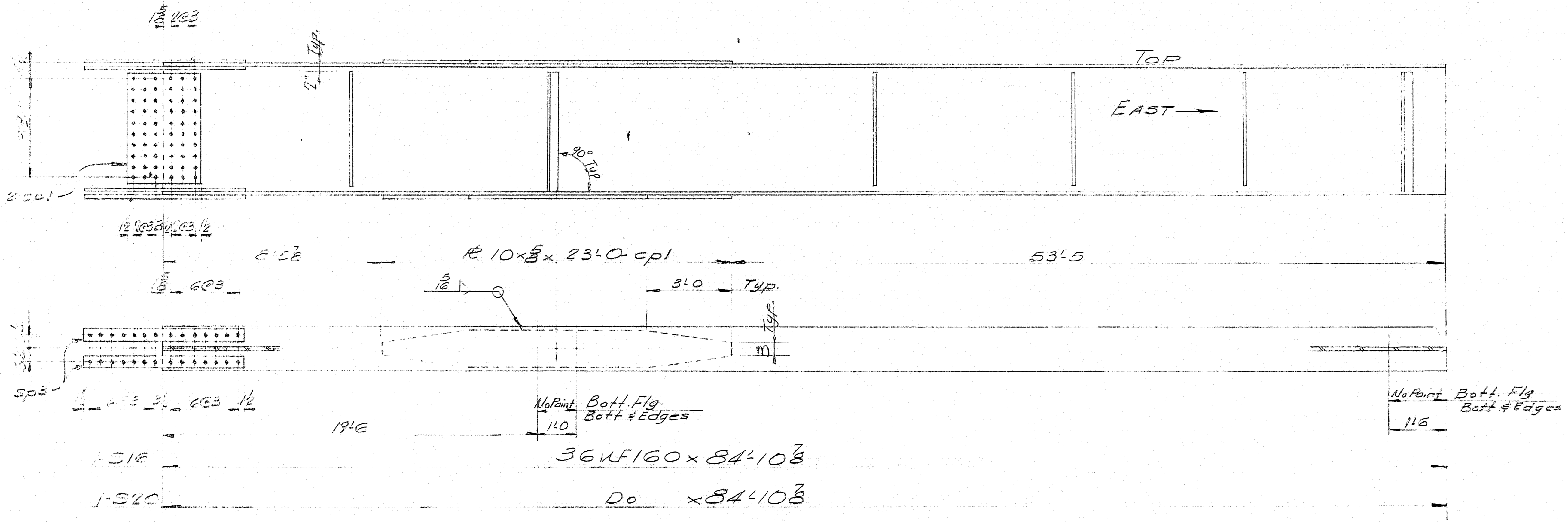
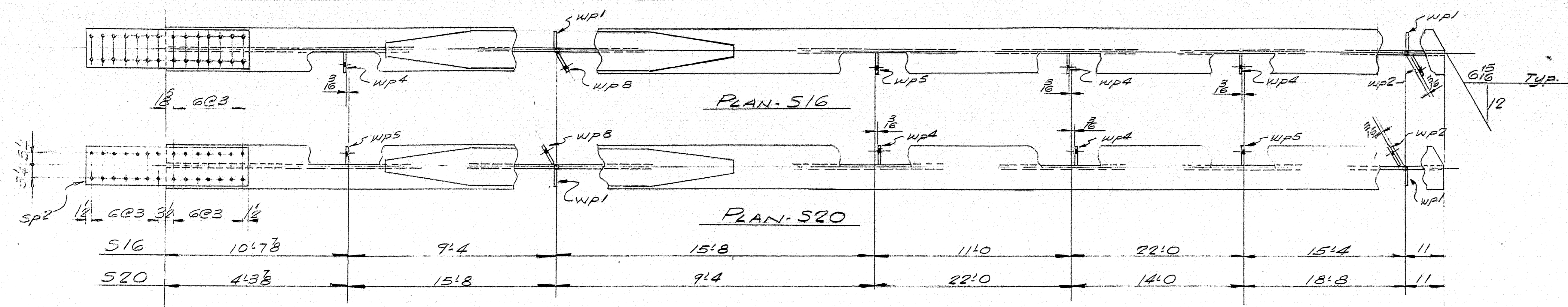
Where Stringers have Cover Pls. the steel for both shall conform to A.S.T.M. A-37B  
Bearing Pls. Field Welded  
Diaphragm Pls. @ Bearings to have bottom end ground to secure an even bearing against flange.

SHOP CONNECTIONS: Welded-Bolted  
FIELD CONNECTIONS: 3" H.S. Bolts-Welded  
HOLES: 1/8" φ  
PAINT: Per State of Maine Specs. & as noted

STRINGERS	
Bancroft & Martin Rolling Mills Company South Portland 7, Maine	
ST. GEORGE RIVER BRIDGE WARREN, MAINE	
CUSTOMER: REED & REED	DESIGNER: MAINE S.H.C. BRIDGE DIV.
ORDER NO. VERBAL	DWG. NO. 61-294-S7

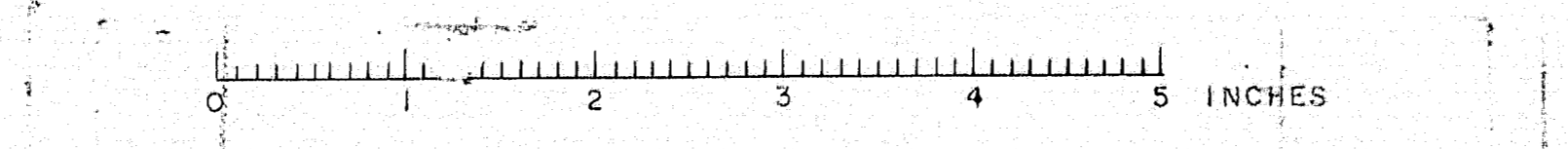
DRAWN	J.P.P.
REVISION	
REVISION	
REVISION	

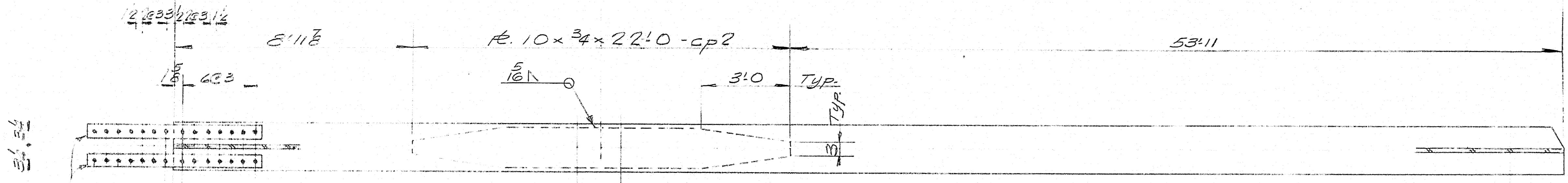
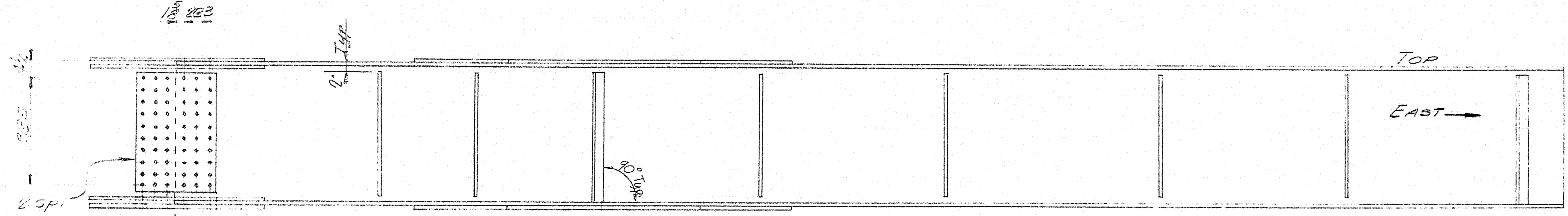
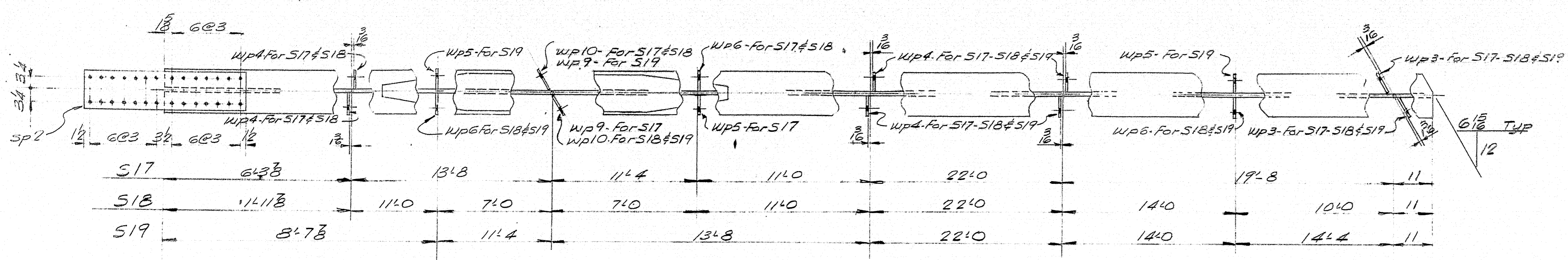




For General Notes & Bill of Material see Dwg. S-274.5

DRAWN 9-26-61 JPE		STRINGERS	
REVISION		Bancroft & Martin Rollings Mills Company South Portland, Maine	
REVISION		ST. GEORGE RIVER BRIDGE WARREN, MAINE	
REVISION		CUSTOMER REED & REED DESIGNER MAINE S.H.G. BRIDGE DIV.	
REVISION		ORDER NO. 884	DWG. NO. S-274.5B





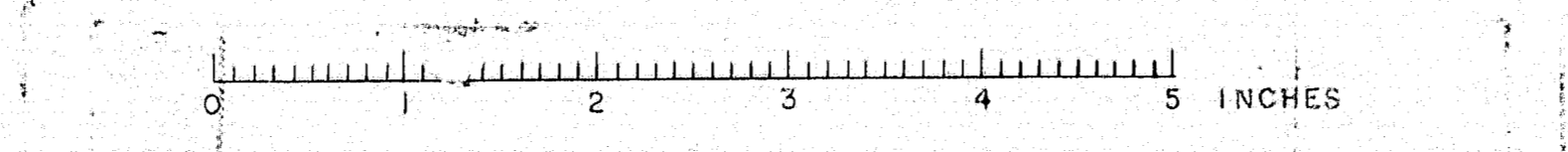
1-S17	36 WF 182 x 84 1/8
1-S18	Do x 84 1/8
1-S19	Do x 84 1/8

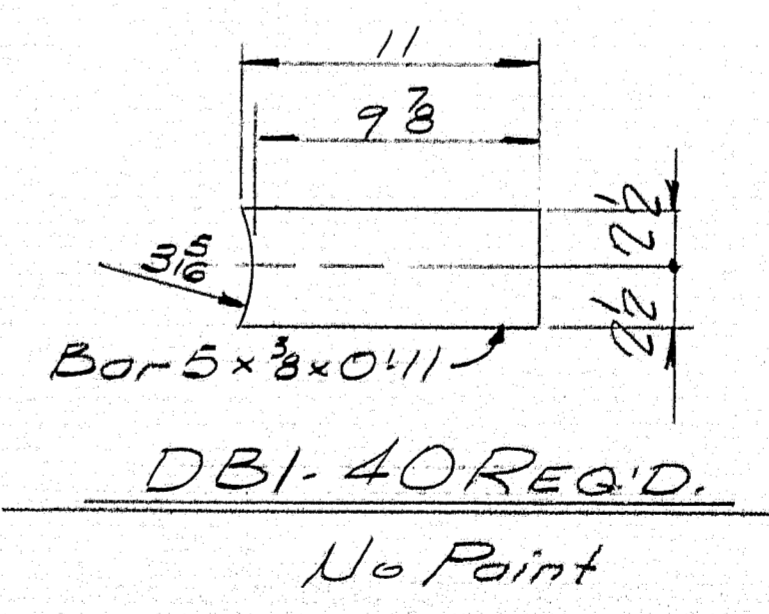
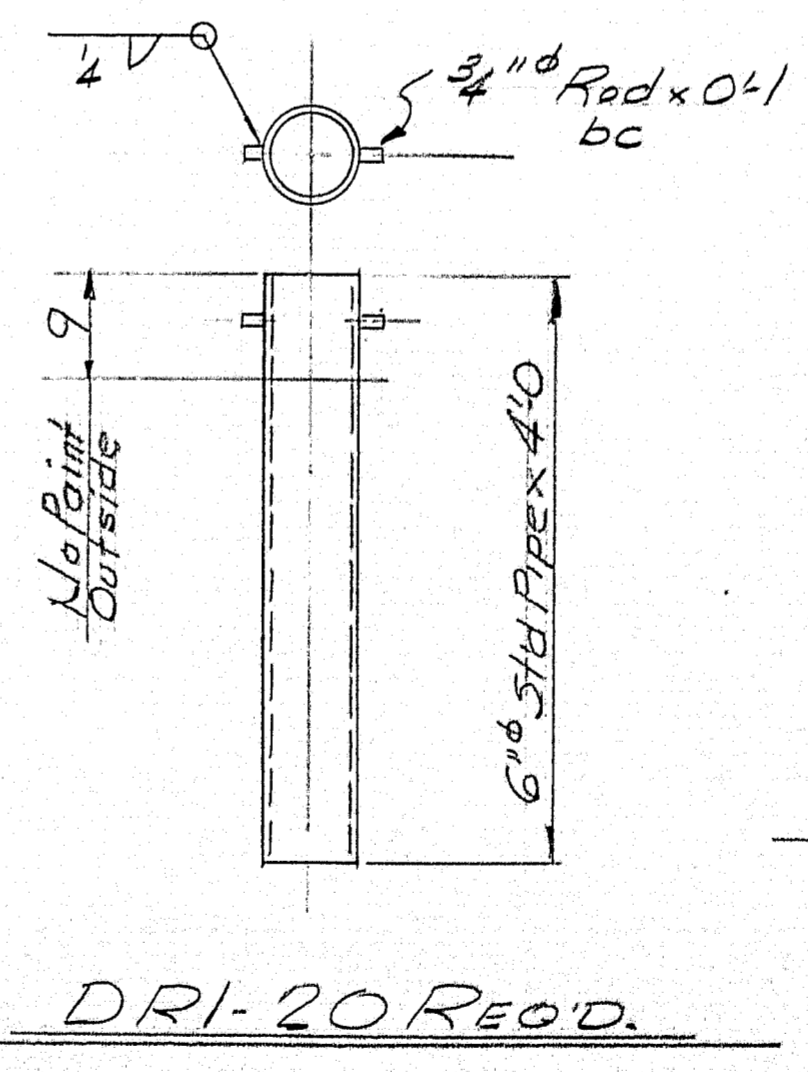
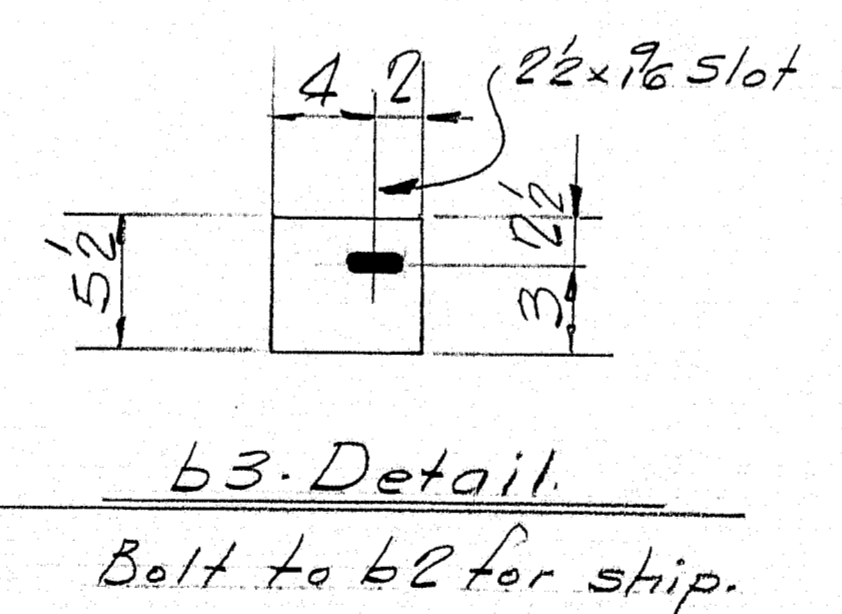
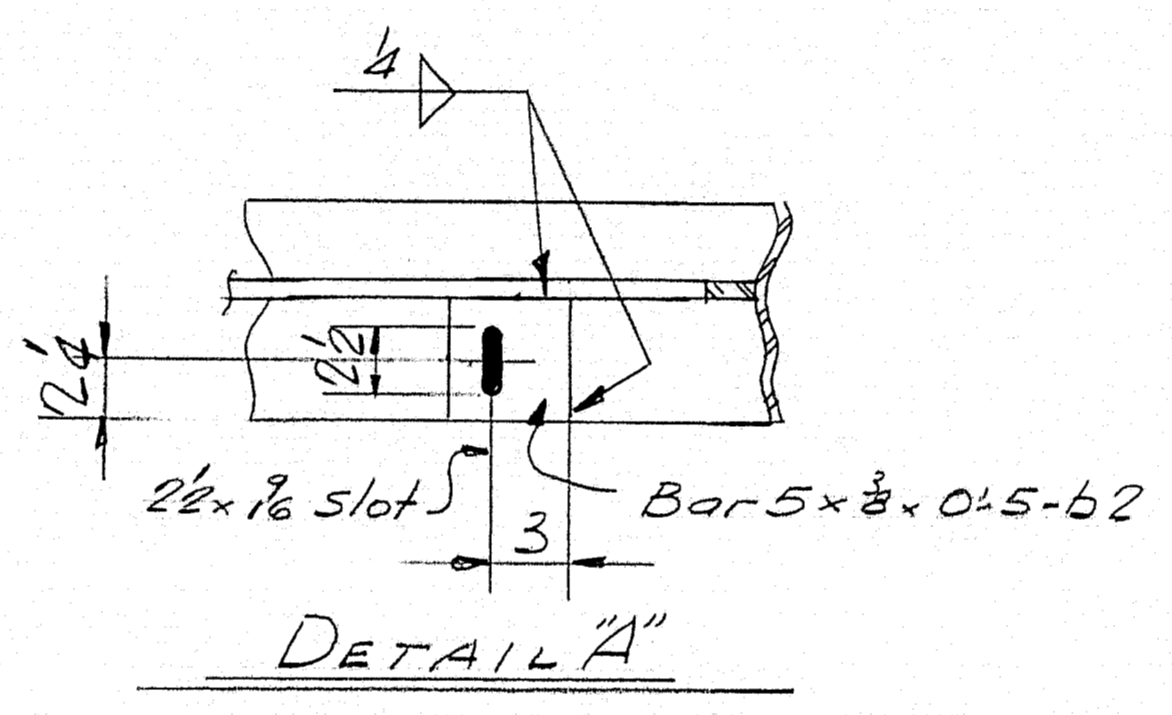
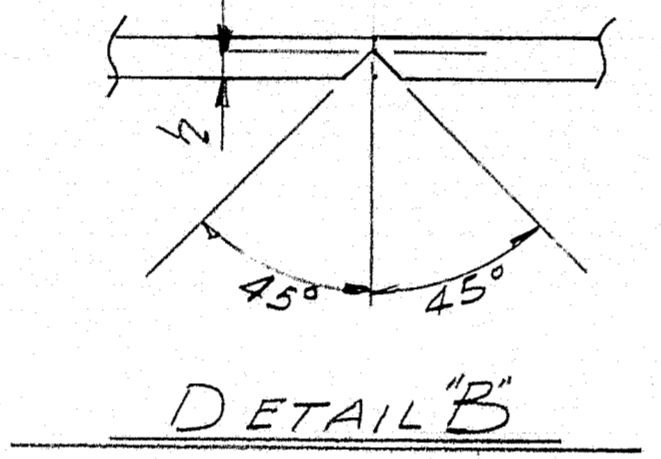
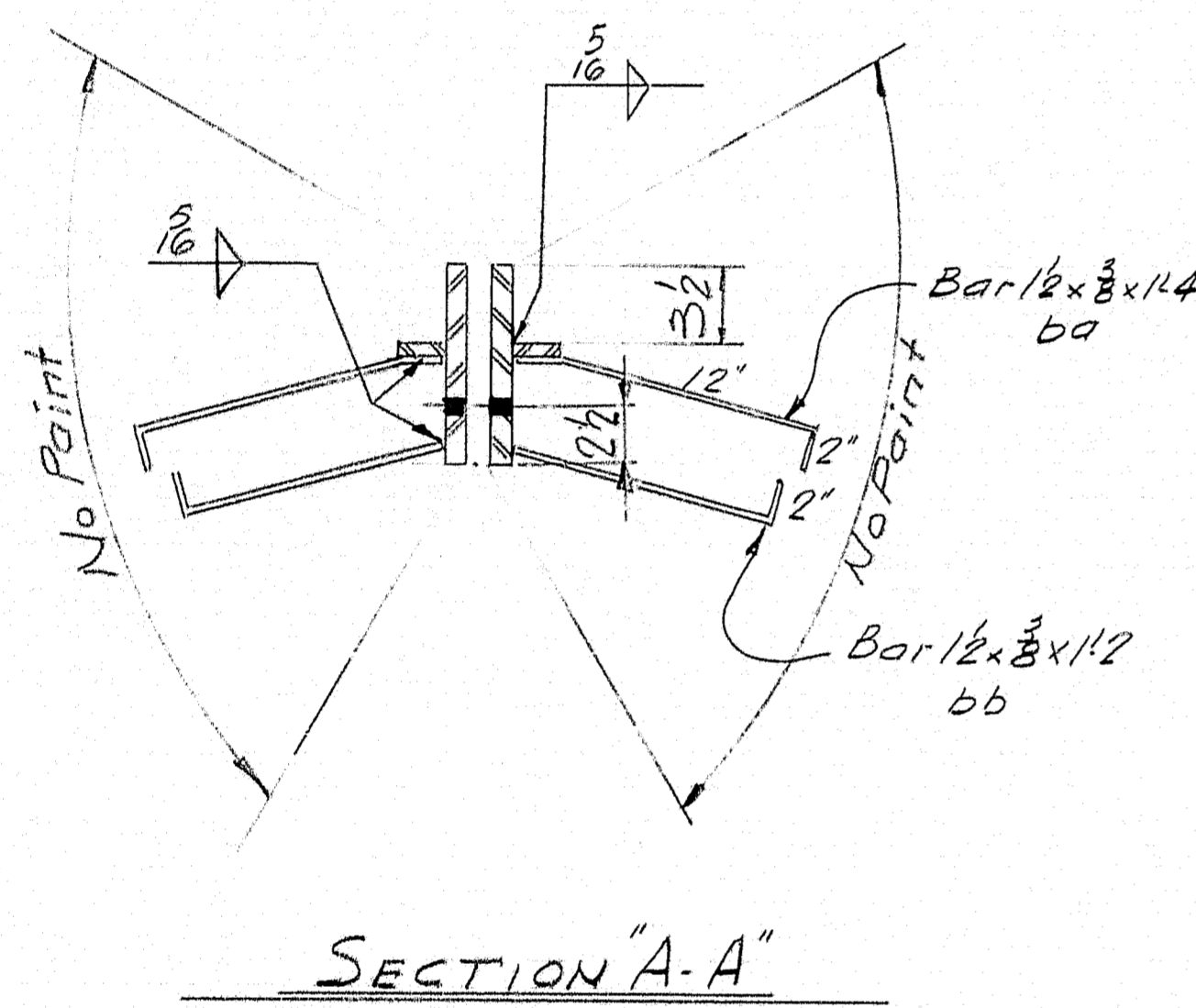
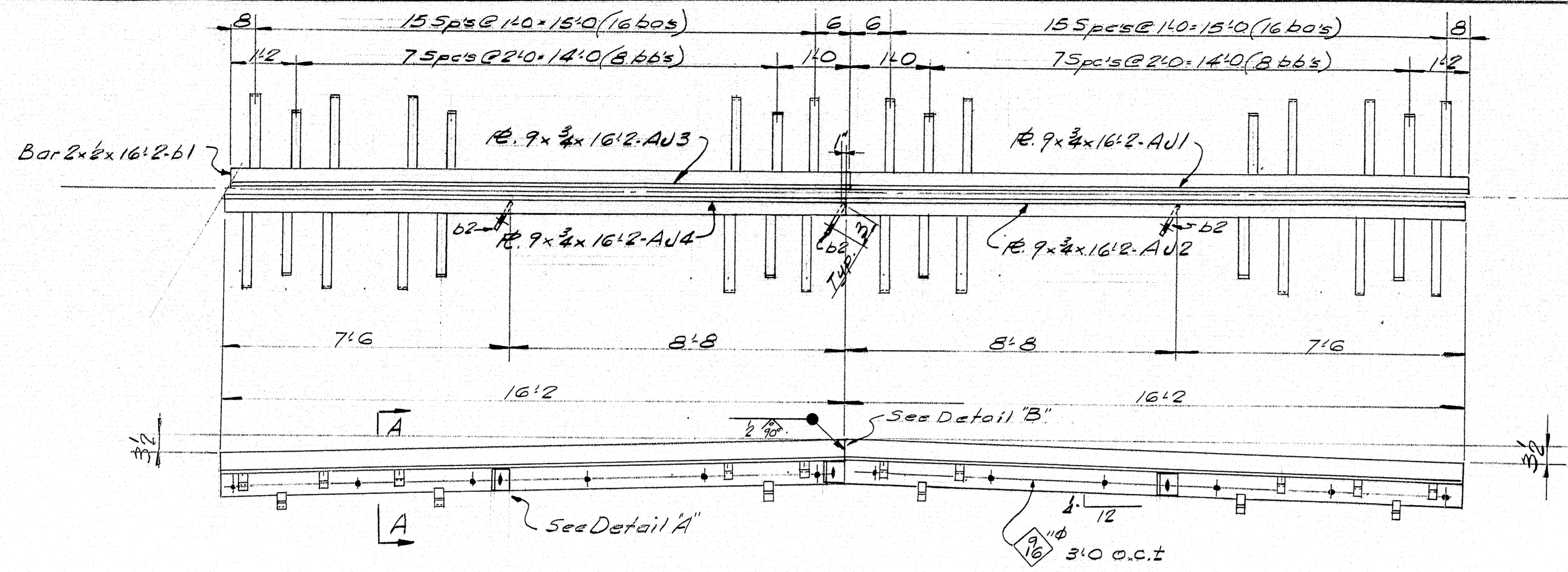
For General Notes & Bill of Material see Dwg. 5-1-57

APP. 11-51

STRINGERS	
Bancroft & Martin Rolling Mills Company South Portland 7, Maine	
ST. GEORGE RIVER BRIDGE WARREN, MAINE	
CUSTOMER: REED & REED DESIGNER: MAINE S.H.C. BRIDGE CO.	
ORDER NO. 14822	DWG. NO. 5-1-57

DRAWN	9-26-61	J.P.E.
REVISION		
REVISION		
REVISION		



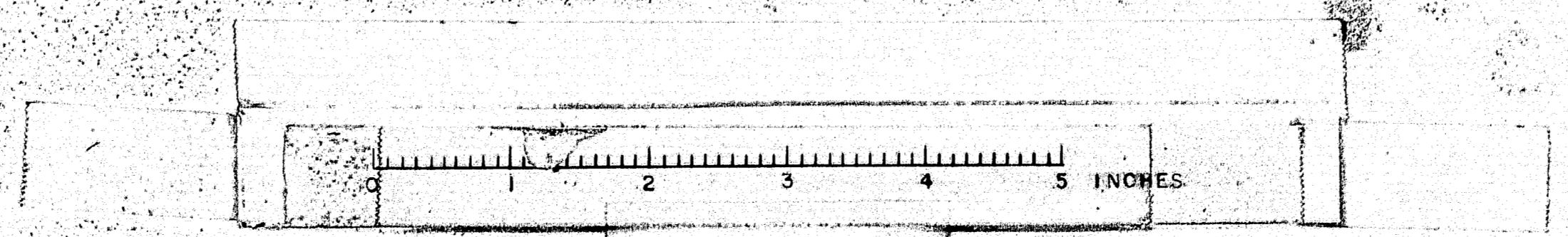


SHIP		BILL OF MATERIAL				DWG. NO. 61-294-S1		
MARK	NO.	MARK	SHAPE	LENGTH	WT.	WT. OUT	WT. IN	REMARKS
AU1	1		R. 9 x 3/4	16' 2"				
AU2	1		Do	16' 2"				
AU3	1		Do	16' 2"				
AU4	1		Do	16' 2"				
	64	ba	Bar 1/2 x 3/8	1' 4"				
	32	bb	Do	1' 2"				
	4	b1	Bar 2 x 1/2	16' 2"				
	3	b2	Bar 5 x 3/8	0' 5"				
	3	b4	Bar 5 1/2 x 3/8	0' 6"				
	3	SHOP	1/2" N. BOLTS	0' 1 1/2"				
DRI	20		6" S&P PIPE	4' 0"				
DBI	40		Bar 5 x 3/8	0' 11"				
	40	bc	3/4" ROD	0' 1"				
ITEM 102-103								

SHOP CONNECTIONS: Welded  
 FIELD CONNECTIONS: Welded  
 HOLES: As Noted  
 PAINT: Per State of Maine Specs. & As Noted

ARMORED JOINTS & DRAINS  
 Brewster & Martin Rolling Mills Company  
 South Portland T., Maine  
 ST. GEORGE RIVER BRIDGE  
 WARREN, MAINE.  
 CUSTOMER REED & REED  
 DESIGNER MAINE S.H.C. BRIDGE DIV.  
 ORDER NO. VERBAL DWG. NO. 61-294-S10

DRAWN	10/16/61 J.T.R.
REVISION	
REVISION	
REVISION	





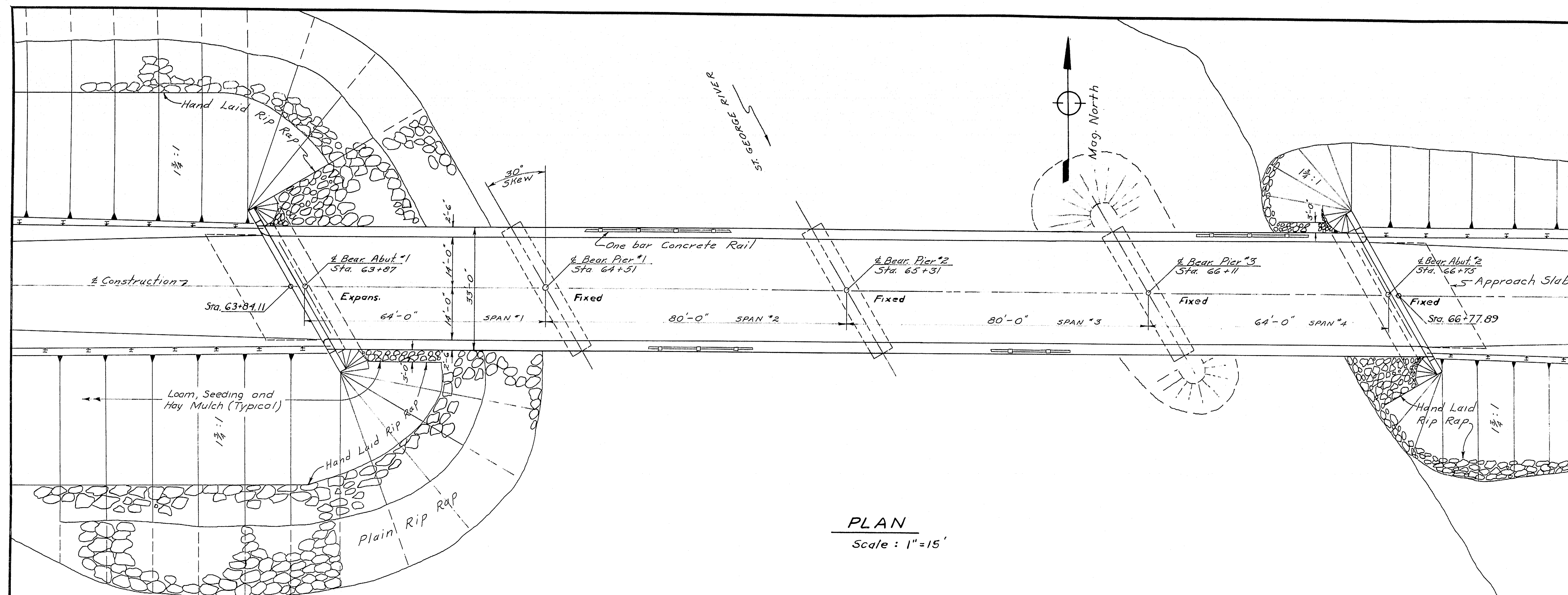


**DESIGN SPECIFICATIONS**  
 A.A.S.H.O. Standard Specifications For Highway Bridges 1957  
 $f_s = 19,000$   $f_c = 1200$   $n = 10$  (Concrete)  
 $f_s = 18,000$  (Structural Steel)

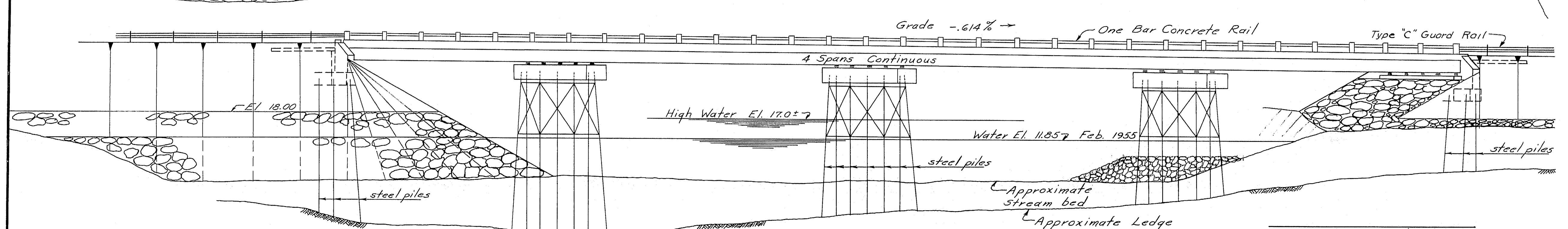
**LOADING**  
 H 20 - S 16 - 44

**CONTRACT SPECIFICATIONS**  
 State of Maine, State Highway Commission Standard Specifications Revisions of Jan. 1956

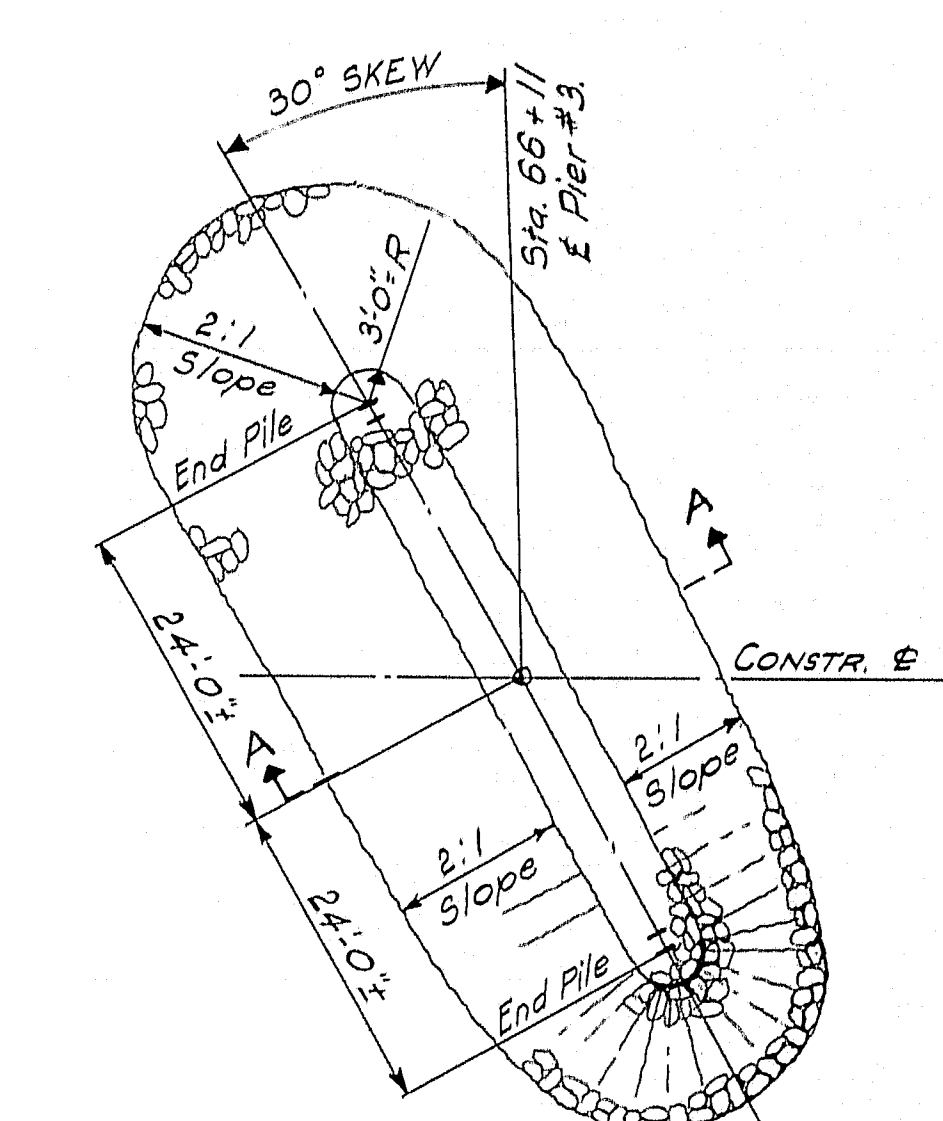
**CONCRETE CLASSIFICATION**  
 All Concrete Class A



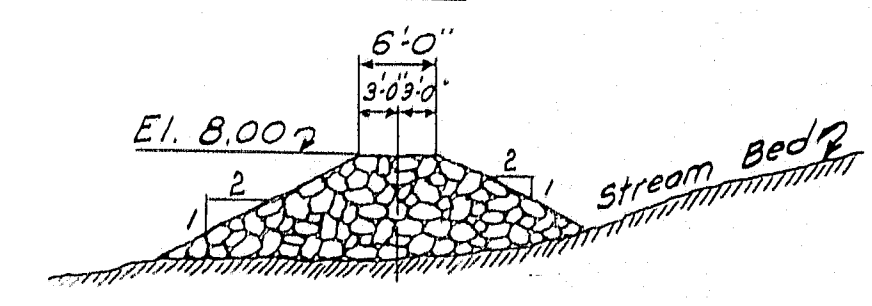
**PLAN**  
 Scale: 1" = 15'



**ELEVATION**  
 Scale: 1" = 15'

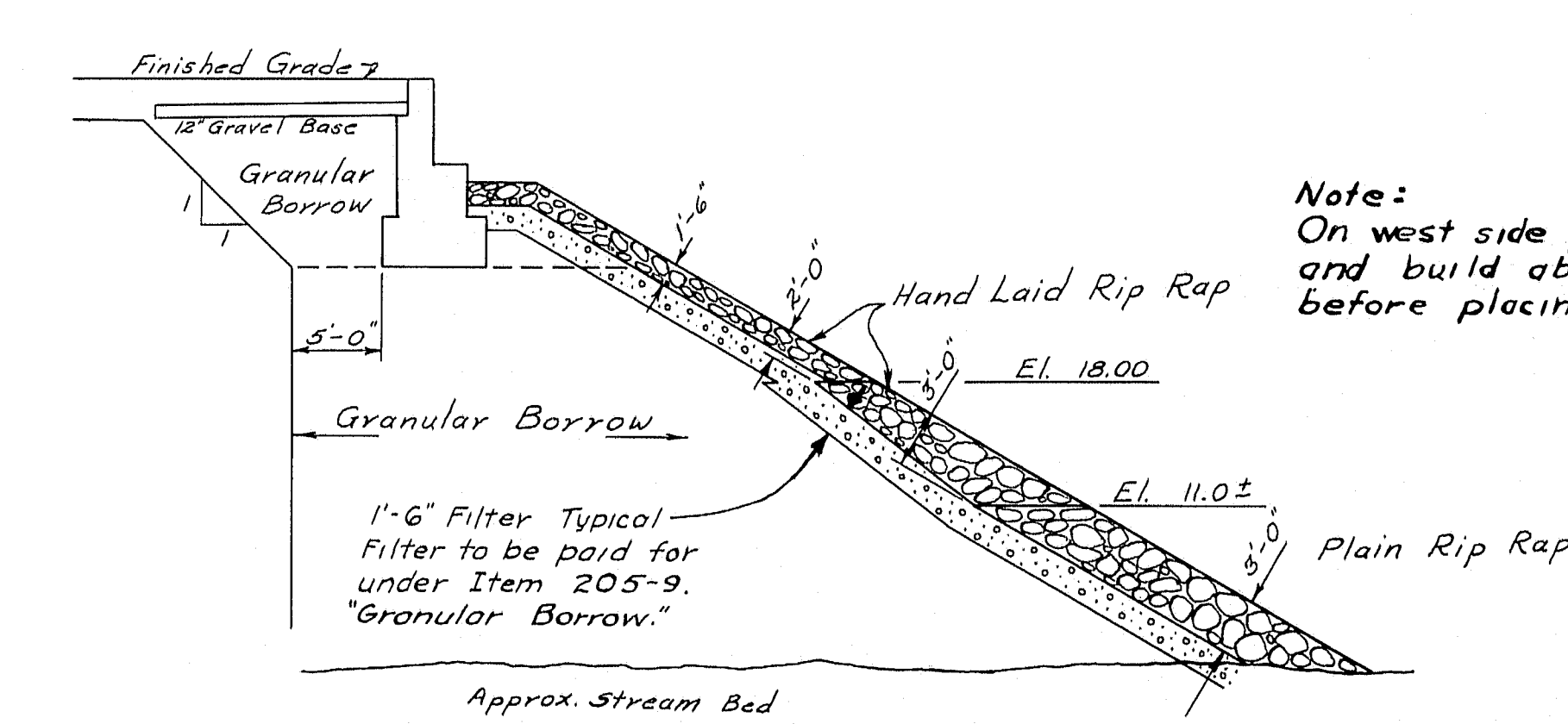


**PLAN**



**SECTION A-A**

**RIPRAP AT PIER NO. 3.**  
 Note: Plain riprap at Pier No. 3 to be placed after piles are driven.



**SECTION AT ABUTMENTS**

The granular borrow at the abutments through which the piles are to be driven shall not contain stones larger than six (6) inches.

**ESTIMATED QUANTITIES**

Granular Borrow	4700 c.y.
Bituminous Concrete Surface Course, Type B	100 tons
Portland Cement Concrete, Abutments & Retaining Walls	130 c.y.
Portland Cement Concrete, Rdwy & SidwK on Stk. Br.	335 c.y.
Portland Cement Concrete, Rail	579 l.f.
Portland Cement	720 bbls.
Structural Steel, Fabricated & Delivered	345,300 lbs.
Structural Steel, Erection	345,300 lbs.
Structural Steel, Field Painting	312,500 lbs.
Reinforcing Steel, Delivered	75,800 lbs.
Reinforcing Steel, Placing	75,800 lbs.
Steel H-Beam Piles, 42 1/4"	979 l.f.
Steel H-Beam Piles, 89 1/4"	896 l.f.
Membrane Waterproofing	900 s.y.
Granite Bridge Curb	595 l.f.
Anchorages for Type "C" Guardrail	7 eq.
Plain Riprap	400 c.y.
Hand Laid Riprap	350 c.y.
Epoxy Resin Surface Sealant	42 s.y.

DESIGN - T.H.K.  
 TRACE - E.E.L.  
 CHECK - R.P.P.

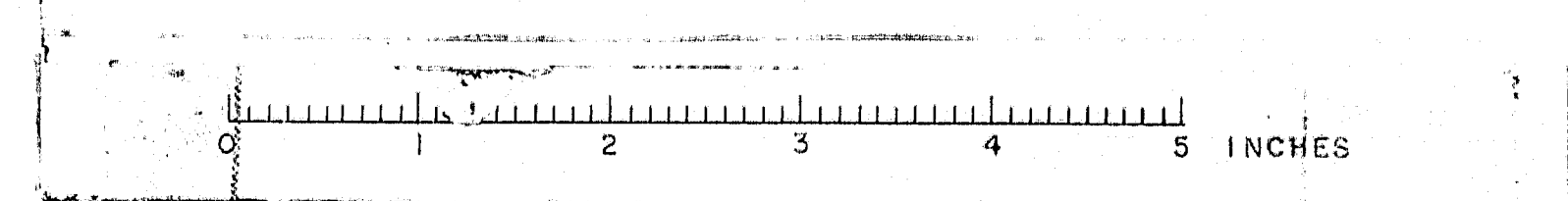
BRIDGE DIVISION  
 STATE HIGHWAY COMMISSION

**ST. GEORGE RIVER BRIDGE**

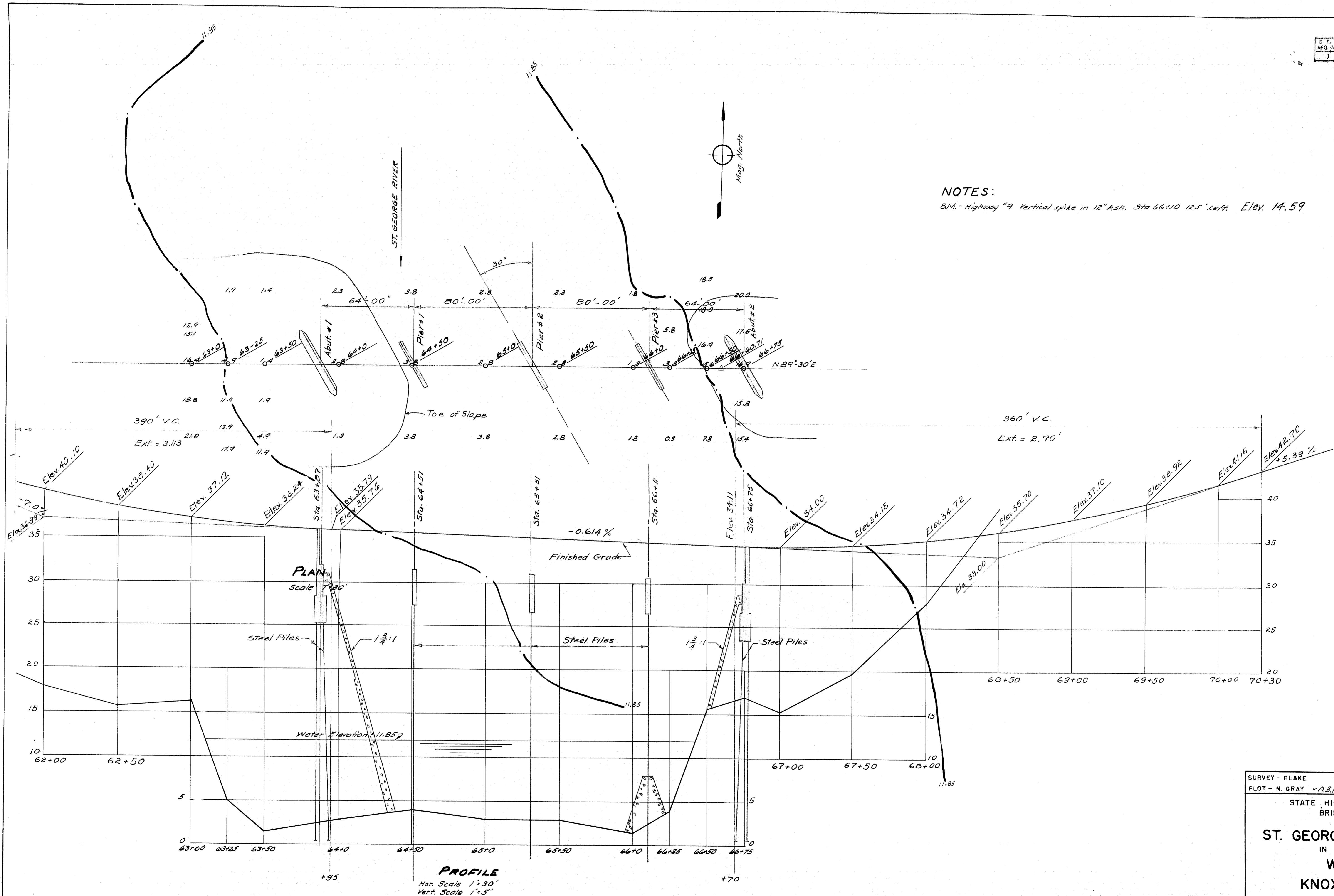
IN THE TOWN OF  
**WARREN**  
**KNOX COUNTY**

GENERAL PLAN

M-1481



D.P.R.	STATE	FED. AID SEC.	SHEET NO.	TOTAL SHEETS
REG. NO.	MAINE	5-0797(E)	9	73



**NOTES:**  
B.M. - Highway "9" Vertical spike in 12" Ash. Sta 66+10 125' Left. Elev. 14.59

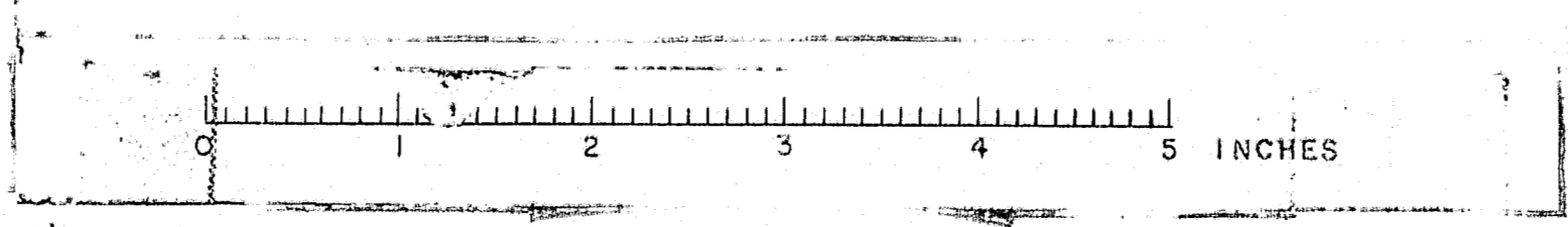
SURVEY - BLAKE  
PLOT - N. GRAY V.A.B.

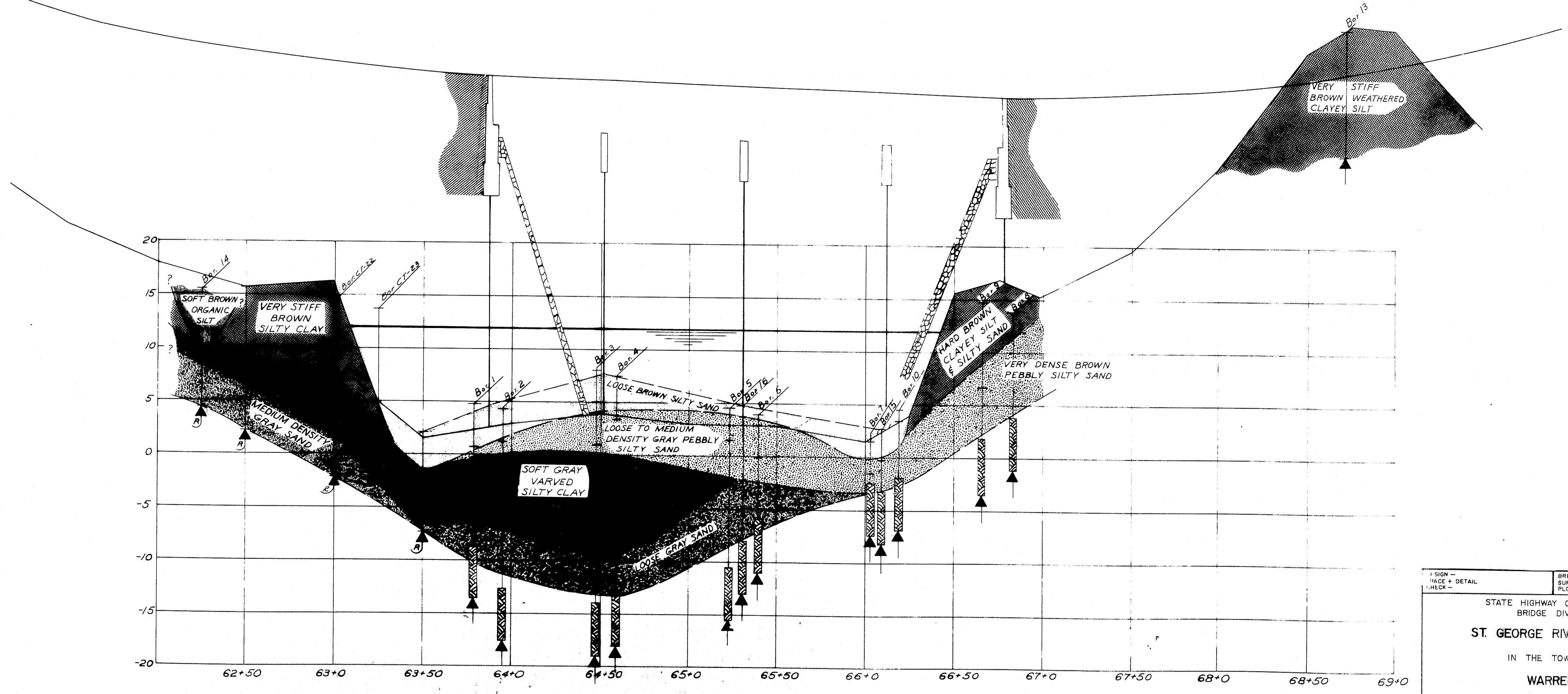
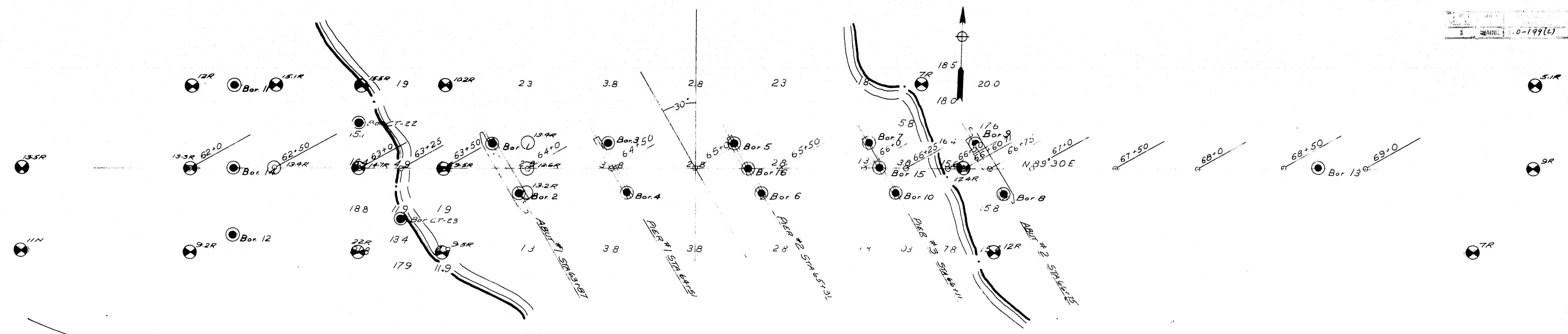
STATE HIGHWAY COMMISSION  
BRIDGE DIVISION

**ST. GEORGE RIVER BRIDGE**  
IN THE TOWN OF  
**WARREN**  
KNOX COUNTY  
SURVEY

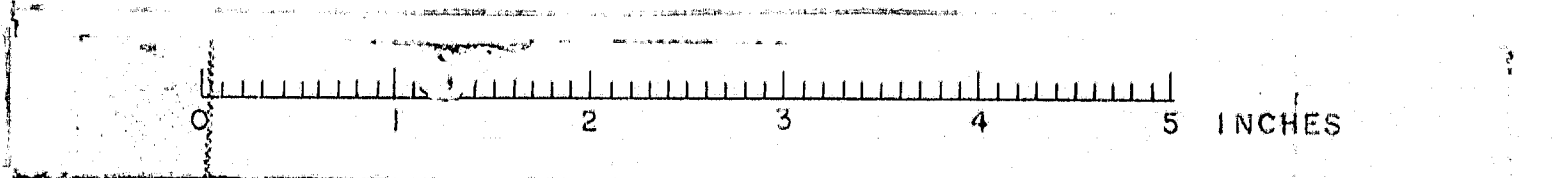
SHEET 2 OF 15 AUGUSTA, MAINE FEB. 1955

M-1482

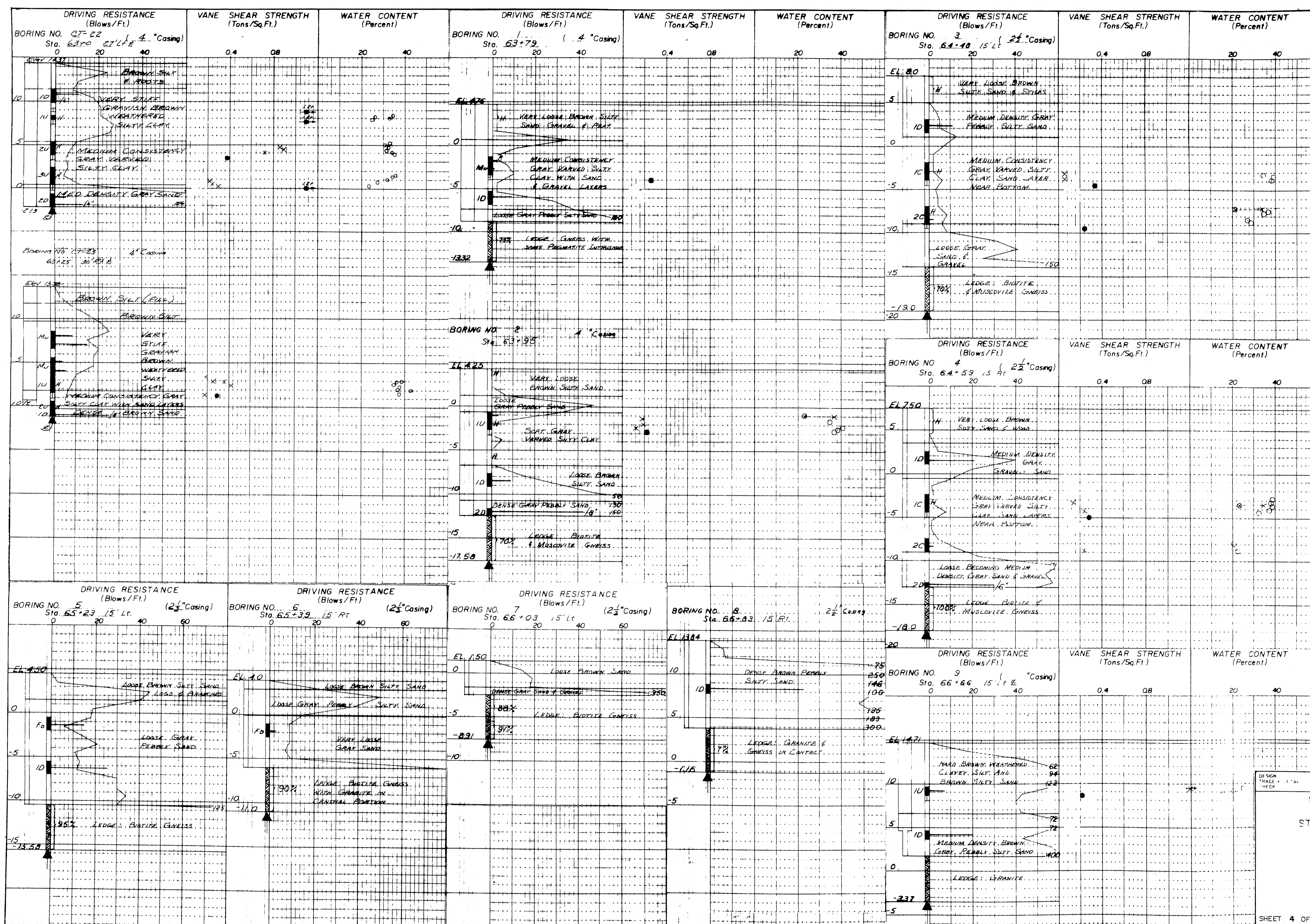




STATE HIGHWAY COMMISSION  
 BRIDGE DIVISION  
**ST. GEORGE RIVER BRIDGE**  
 IN THE TOWN OF  
**WARREN**  
**KNOX COUNTY**  
 FOUNDATION SURVEY  
 SHEET 3 OF 15 AUGUSTA, MAINE JUNE 1961



M-483



DESIGN TRACE CHECK

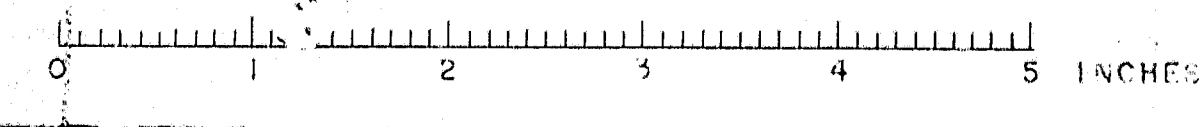
STATE HIGHWAY COMMISSION  
 BRIDGE DIVISION

**ST. GEORGE RIVER BRIDGE**

IN THE TOWN OF  
 WARREN  
 KNOX COUNTY

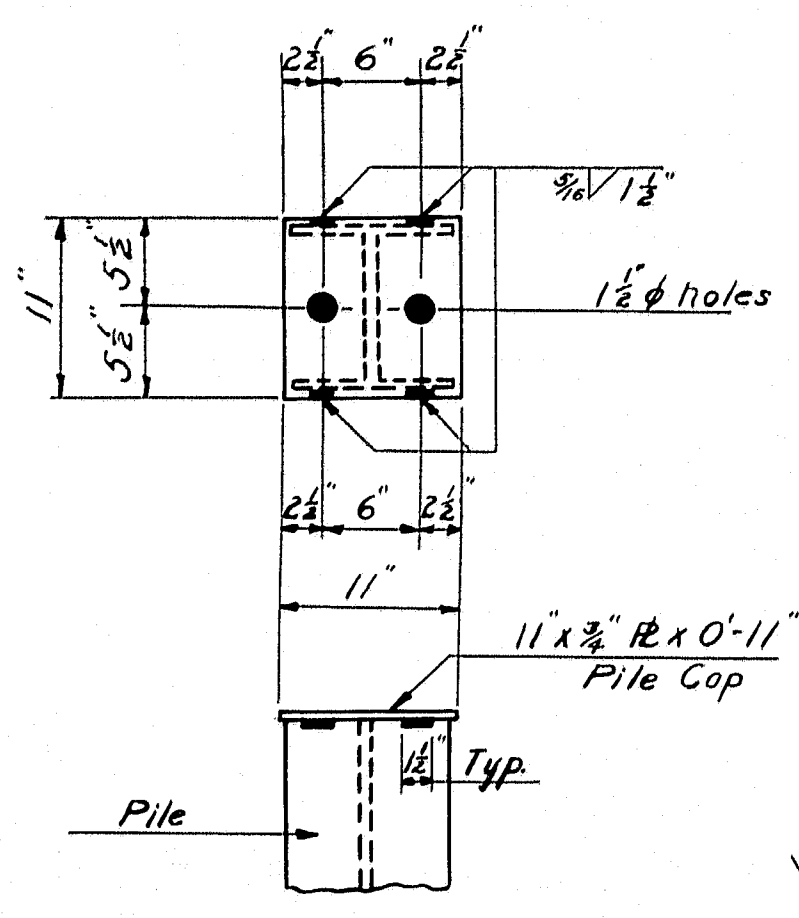
BORING DETAILS

SHEET 4 OF 15 AUGUST 4 MAINE JUNE 1961

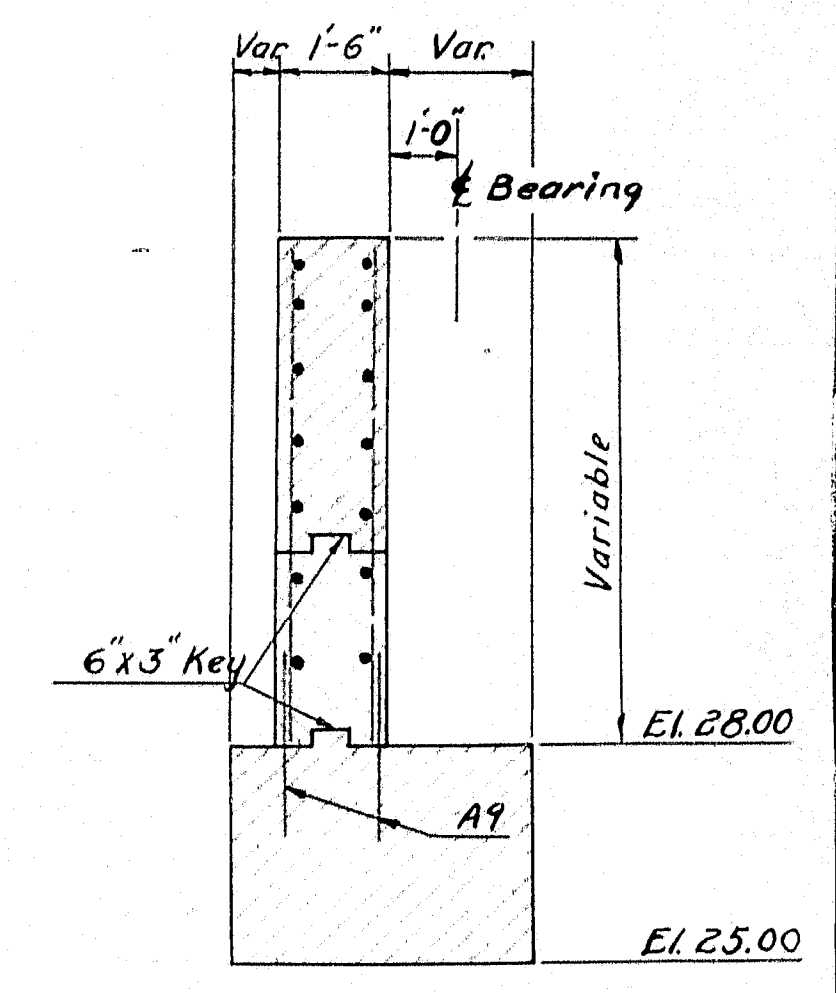




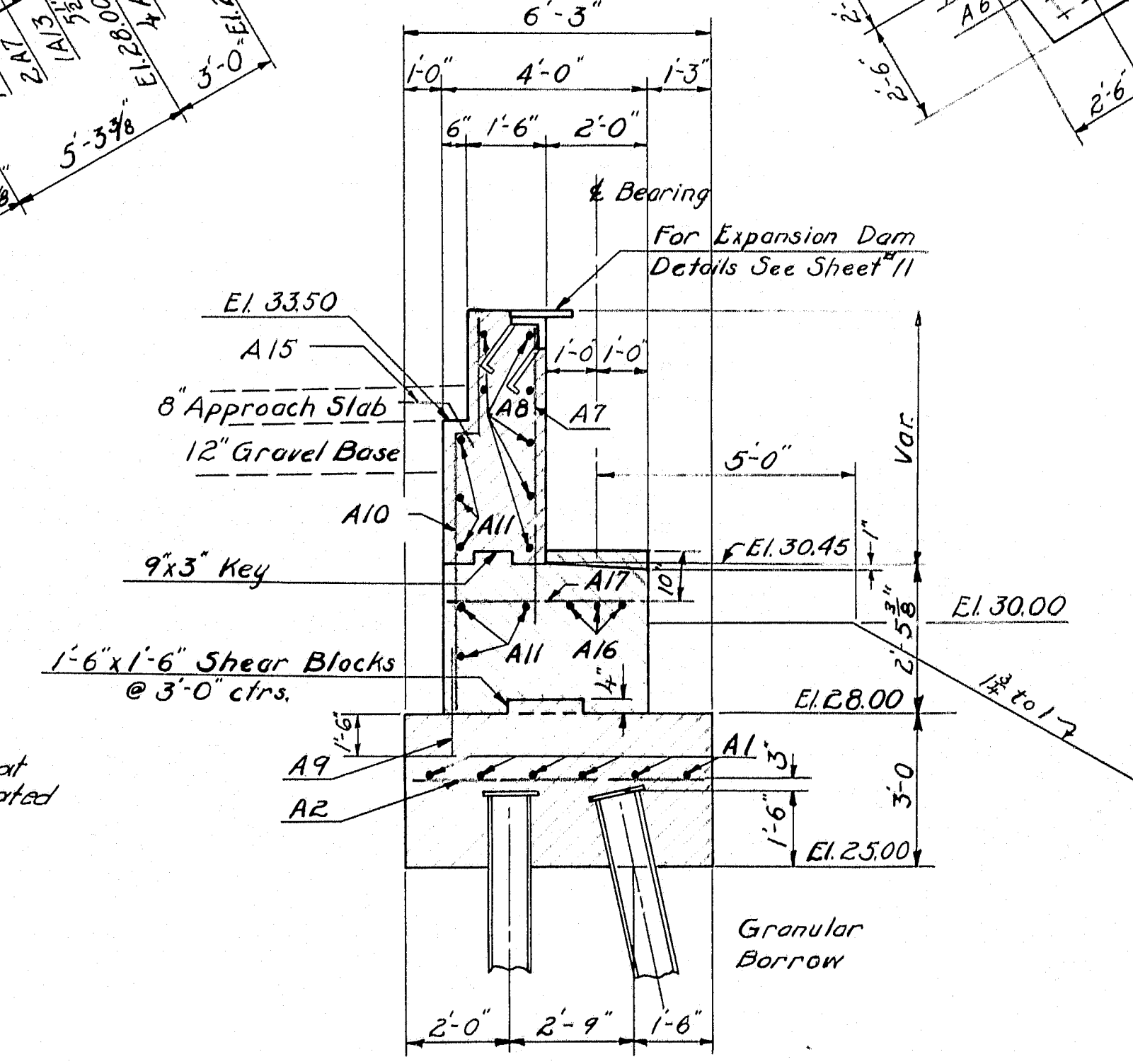
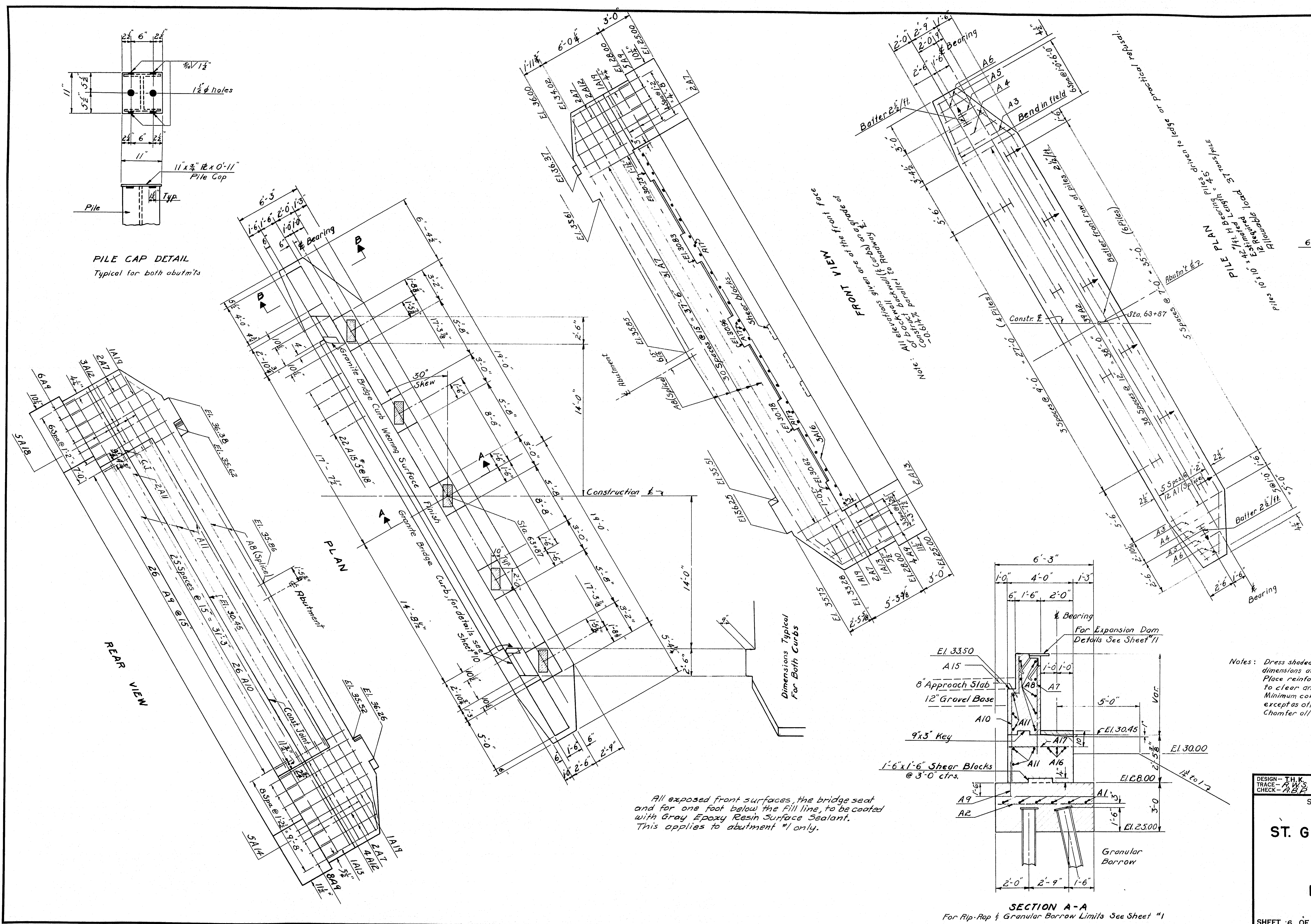
D. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	S-0199(2)	13	19



**PILE CAP DETAIL**  
Typical for both abutments



**SECTION B-B**



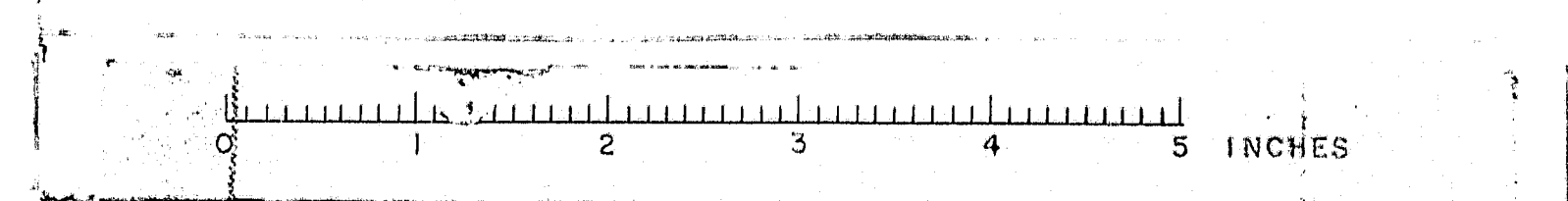
**SECTION A-A**  
For Rip-Rap & Granular Borrow Limits See Sheet #1

Notes: Dress shaded bearing areas to exact dimensions and elevations shown. Place reinforcement in bridge seat so as to clear anchor bolts. Minimum cover for reinforcement to be 5" except as otherwise shown. Chamfer all exposed edges of concrete 3/4".

All exposed front surfaces, the bridge seat and for one foot below the fill line, to be coated with Gray Epoxy Resin Surface Sealant. This applies to abutment #1 only.

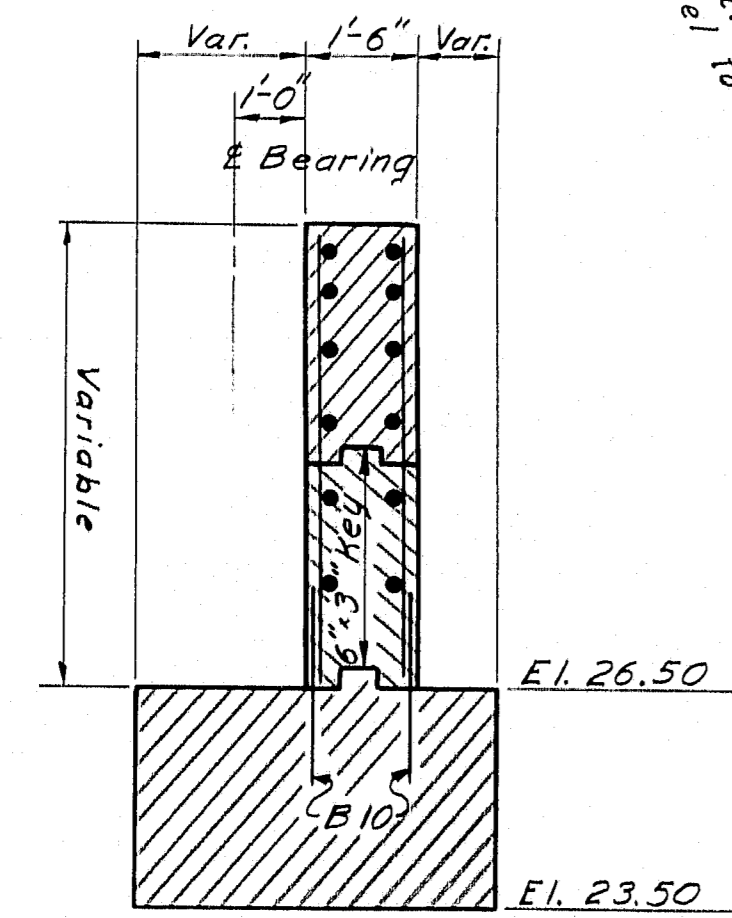
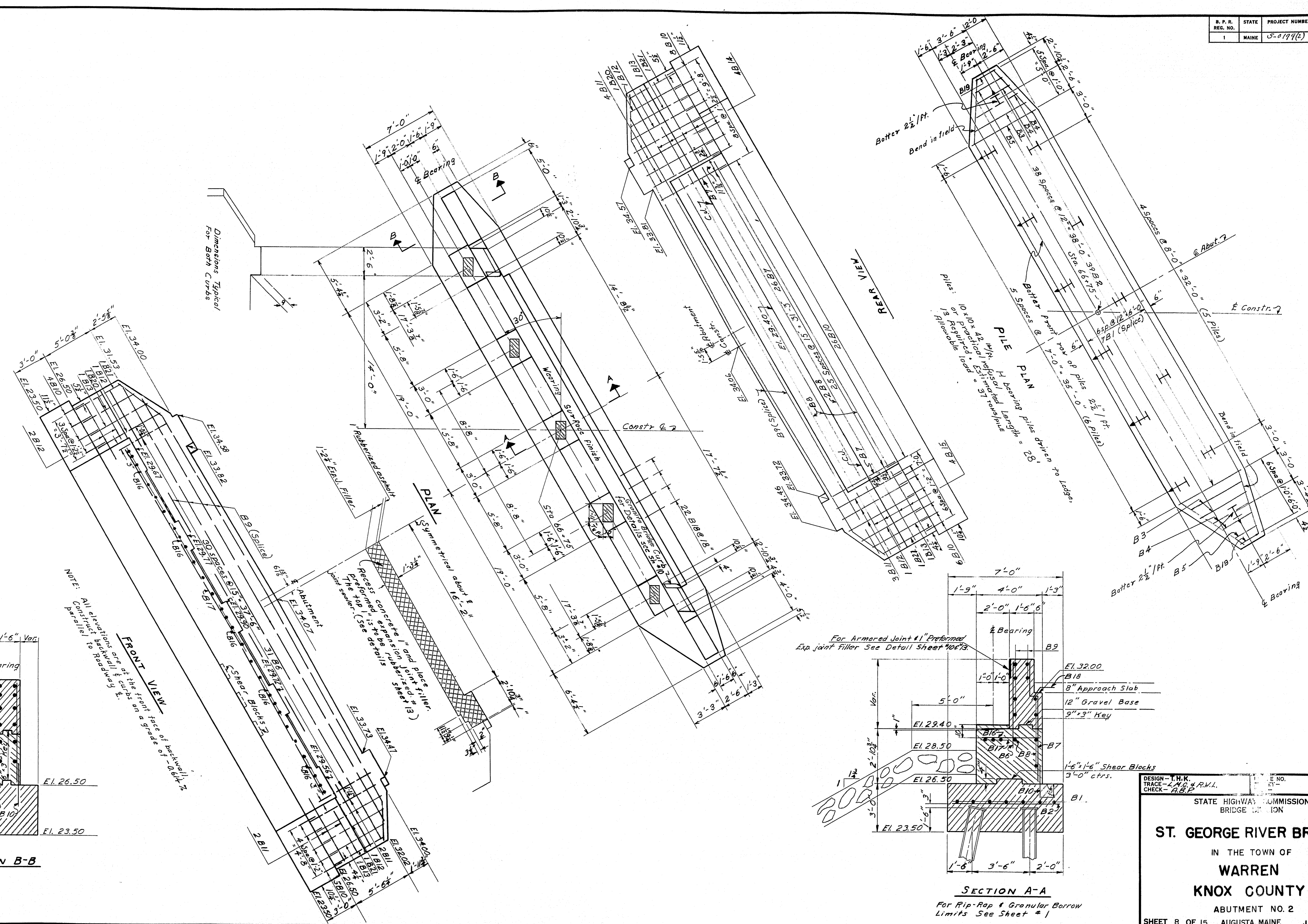
DESIGN - T.H.K.	BRIDGE NO.
TRACE - A.W.S.	SURVEY -
CHECK - A.B.F.	SLLOT
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
<b>ST. GEORGE RIVER BRIDGE</b>	
IN THE TOWN OF <b>WARREN</b> KNOX COUNTY	
ABUTMENT NO. 1	
SHEET 13 OF 15 AUGUSTA, MAINE JUNE 1961	

M-1486





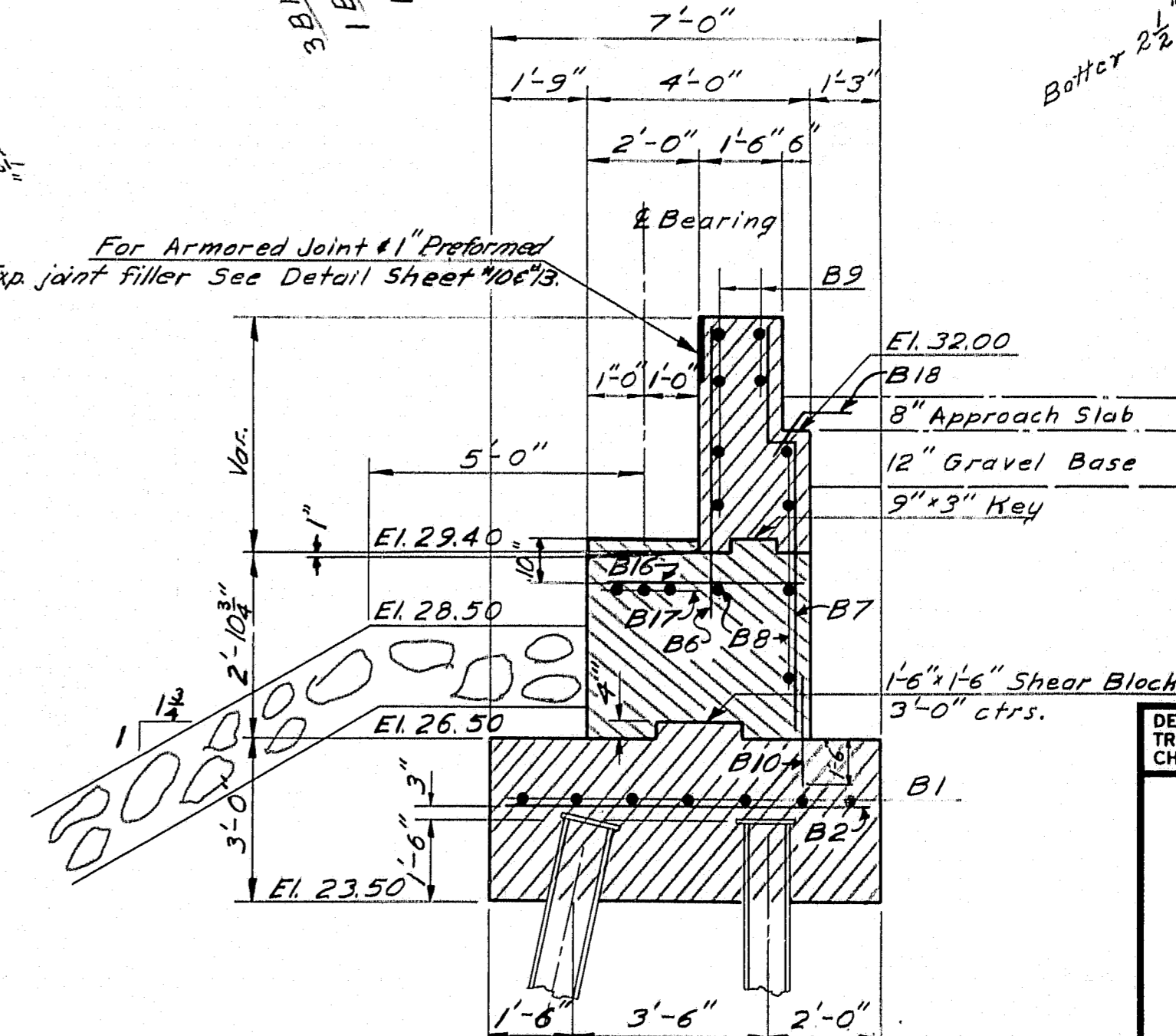
B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	5-0199(E)	15	73



SECTION B-B

NOTE: All elevations are at the face of backwall, parallel to the face of roadway.

FRONT VIEW



SECTION A-A

For Rip-Rap & Granular Borrow Limits See Sheet # 1

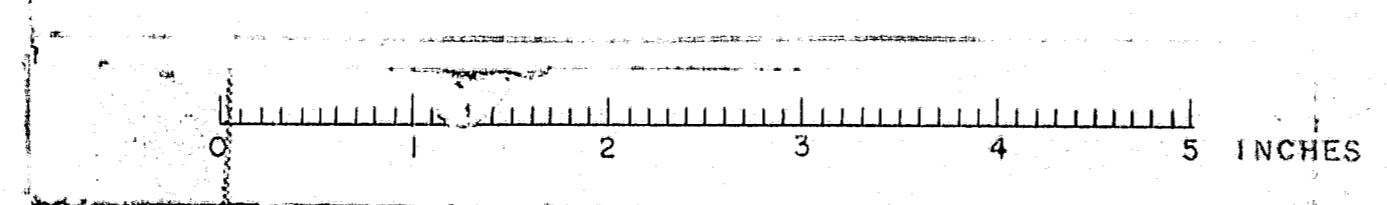
DESIGN - T.H.K.  
 TRACE - J.A.G. & R.V.L.  
 CHECK - A.B.P.

STATE HIGHWAY COMMISSION  
 BRIDGE DIVISION

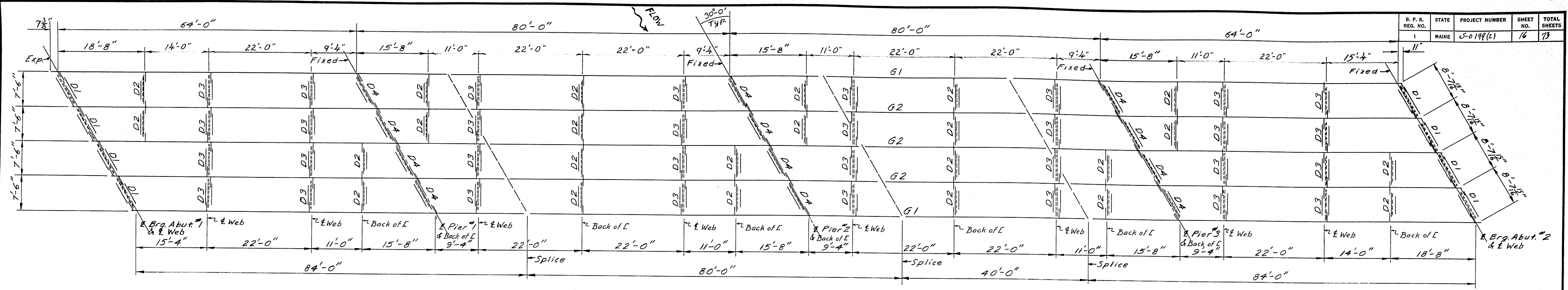
**ST. GEORGE RIVER BRIDGE**  
 IN THE TOWN OF  
**WARREN**  
 KNOX COUNTY  
 ABUTMENT NO. 2

SHEET 8 OF 15 AUGUSTA, MAINE JUNE 1961

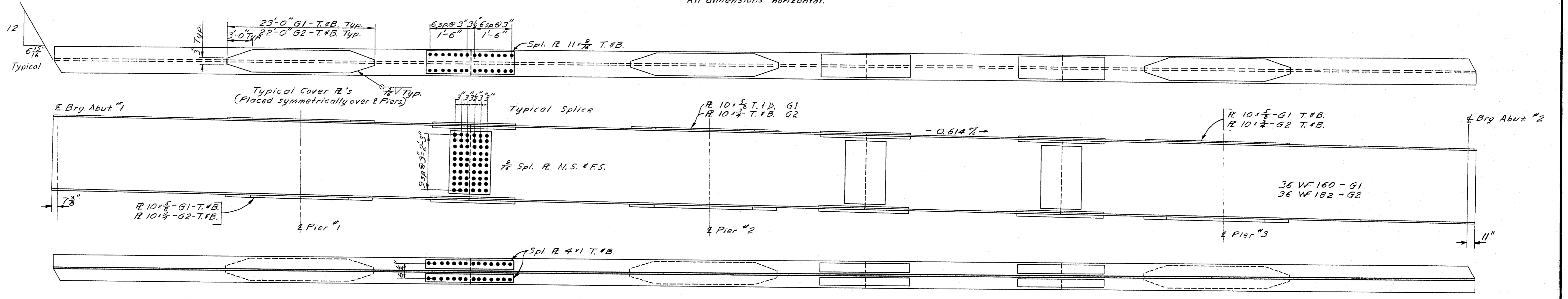
M-1488



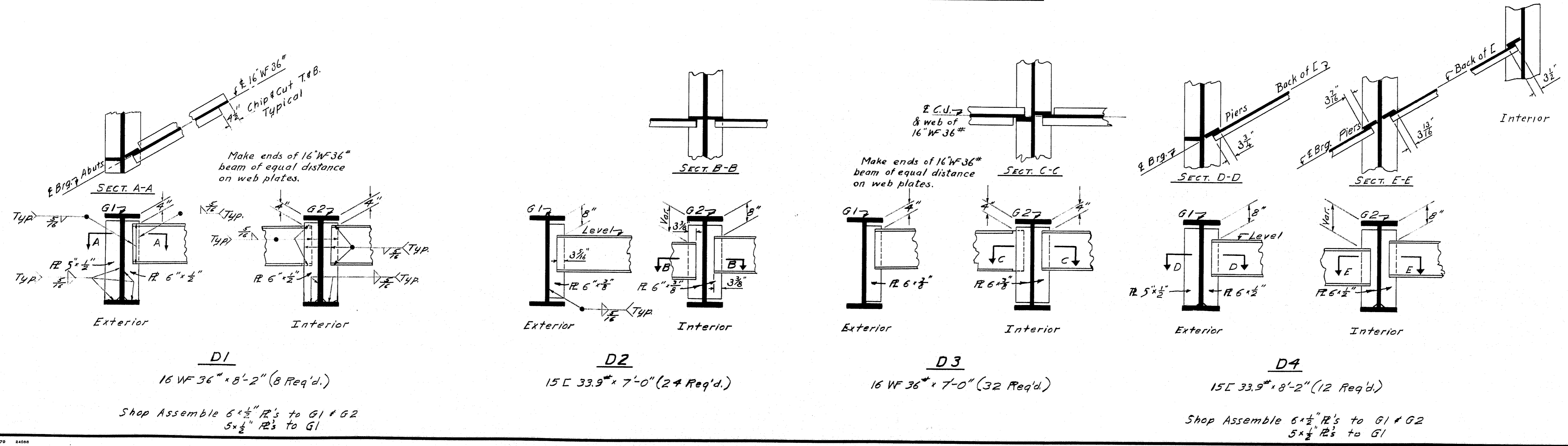
D. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	5-0198(6)	16	73



**ERECTOR DIAGRAM**  
All dimensions horizontal.



**GIRDER DETAILS**



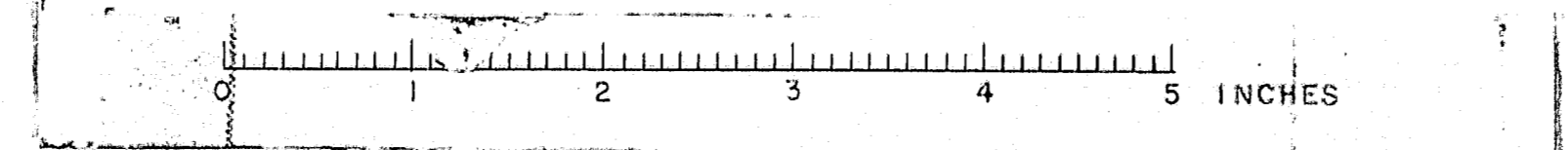
DESIGN - T.H.K. DET. - J.R.H.  
TRACE - D.W.L. CHECK - B.B.Z.

STATE HIGHWAY COMMISSION  
BRIDGE DIVISION

**ST. GEORGE RIVER BRIDGE**  
IN THE TOWN OF  
**WARREN**  
**KNOX COUNTY**

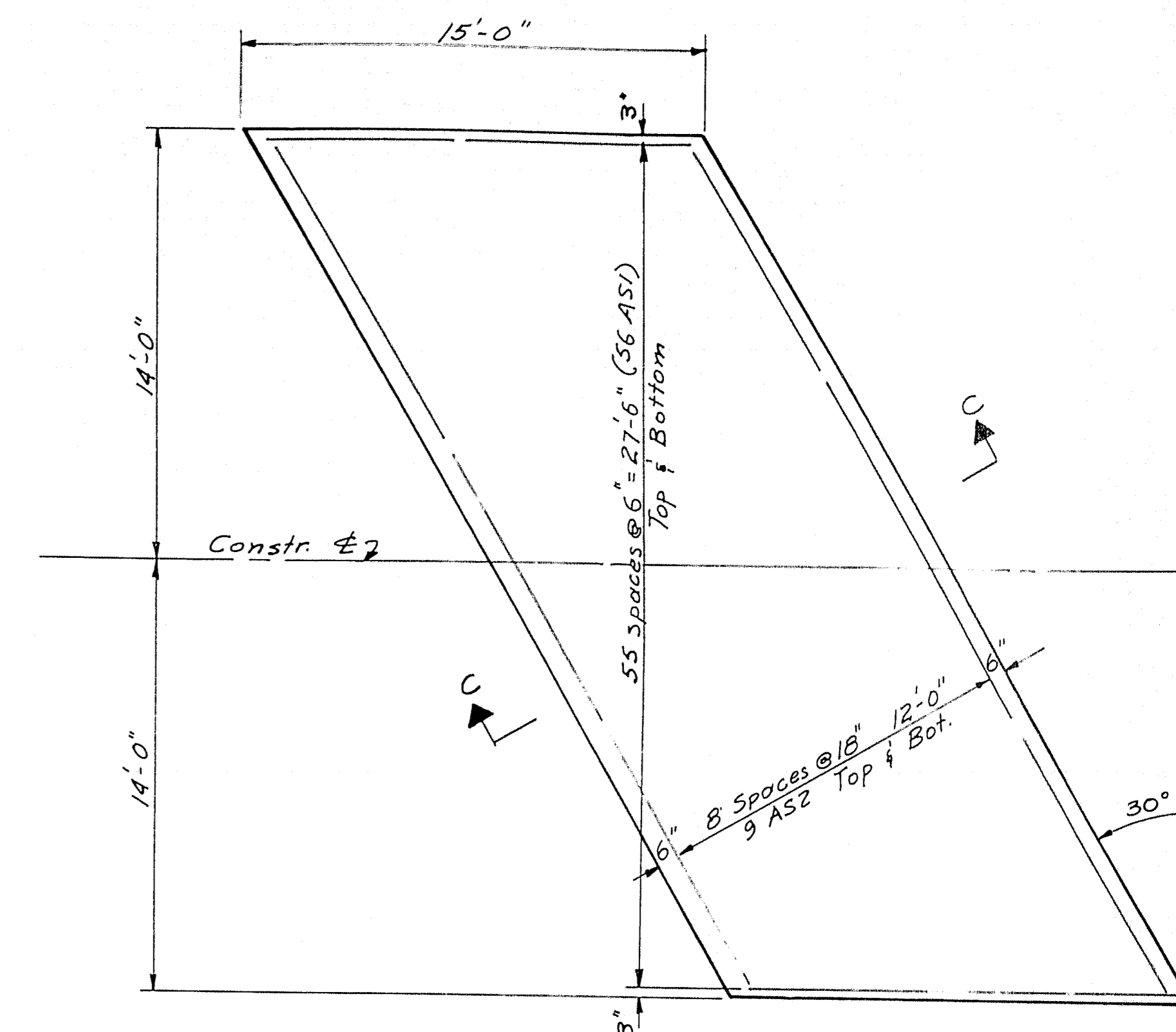
STRUCTURAL STEEL  
SHEET 9 OF 15 AUGUSTA, MAINE JUNE 1961

M-1489





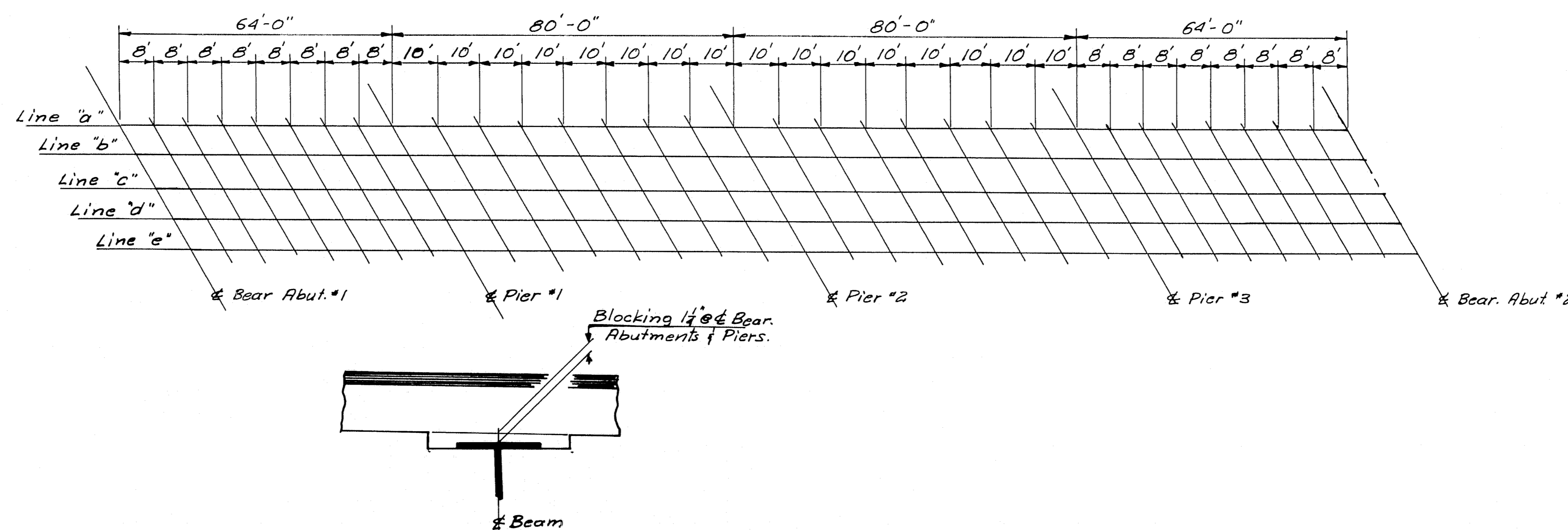




PLAN

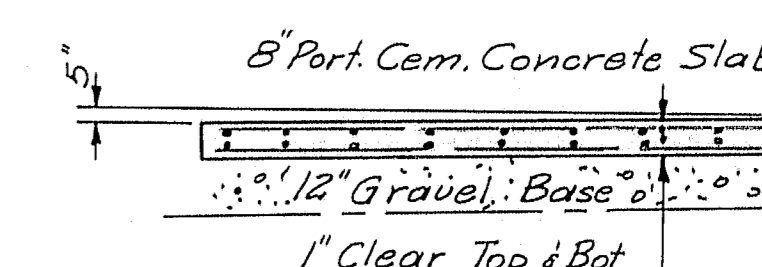
TABLE - BOTTOM OF SLAB ELEVATIONS

POINT	Line "a"	Line "b"	Line "c"	Line "d"	Line "e"
± Bear. Ab. #1	34.88	35.01	35.14	34.95	34.77
8'	34.84	34.97	35.10	34.92	34.74
16'	34.80	34.93	35.06	34.88	34.70
24'	34.76	34.89	35.02	34.84	34.65
32'	34.71	34.84	34.97	34.79	34.60
40'	34.65	34.78	34.91	34.73	34.55
48'	34.59	34.72	34.85	34.67	34.49
56'	34.54	34.67	34.79	34.61	34.43
± Pier #1	34.48	34.61	34.74	34.56	34.38
10'	34.43	34.56	34.69	34.51	34.33
20'	34.38	34.51	34.64	34.46	34.28
30'	34.33	34.46	34.59	34.41	34.23
40'	34.28	34.41	34.53	34.35	34.17
50'	34.21	34.34	34.47	34.28	34.10
60'	34.13	34.26	34.39	34.21	34.03
70'	34.06	34.19	34.32	34.14	33.95
± Pier #2	33.99	34.12	34.25	34.07	33.89
10'	33.94	34.07	34.20	34.02	33.84
20'	33.89	34.02	34.15	33.97	33.79
30'	33.84	33.97	34.10	33.92	33.74
40'	33.78	33.91	34.04	33.86	33.68
50'	33.71	33.85	33.98	33.79	33.61
60'	33.64	33.77	33.90	33.72	33.54
70'	33.57	33.70	33.83	33.64	33.46
± Pier #3	33.50	33.63	33.76	33.58	33.39
8'	33.46	33.58	33.71	33.53	33.35
16'	33.42	33.55	33.67	33.49	33.31
24'	33.38	33.51	33.64	33.45	33.27
32'	33.33	33.46	33.59	33.41	33.23
40'	33.29	33.42	33.55	33.36	33.18
48'	33.23	33.36	33.49	33.31	33.13
56'	33.17	33.30	33.43	33.25	33.07
± Bear. Ab. #2	33.11	33.24	33.37	33.18	33.00



NOTE: In order to compensate for dead load deflections and any irregularities in the rolling of steel, elevations are given in the accompanying table, for the bottom of the roadway slab at the points shown. These elevations must be set before any slab forms are constructed.

BLOCKING INFORMATION



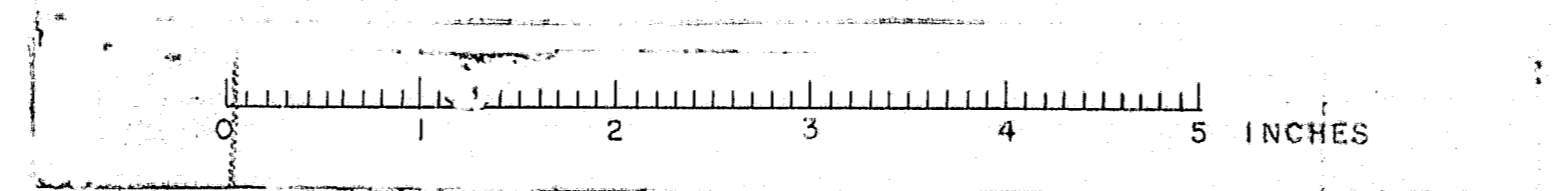
SECTION C-C

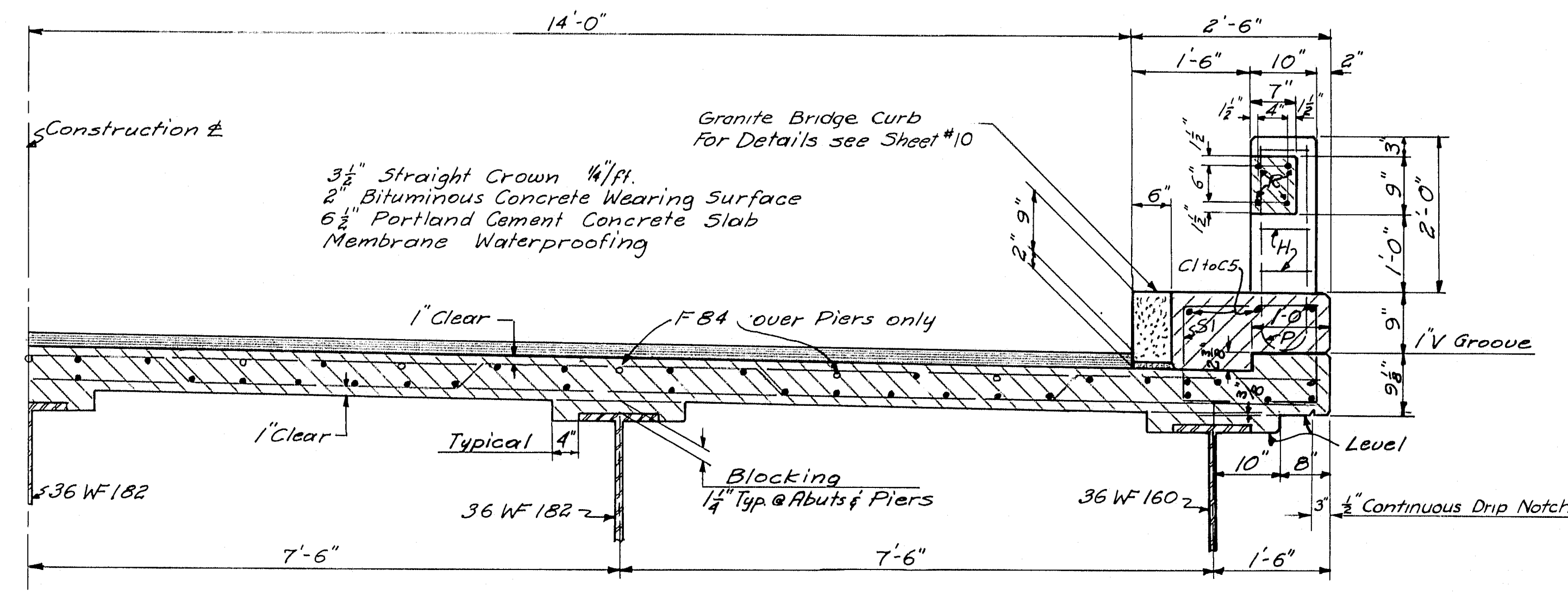
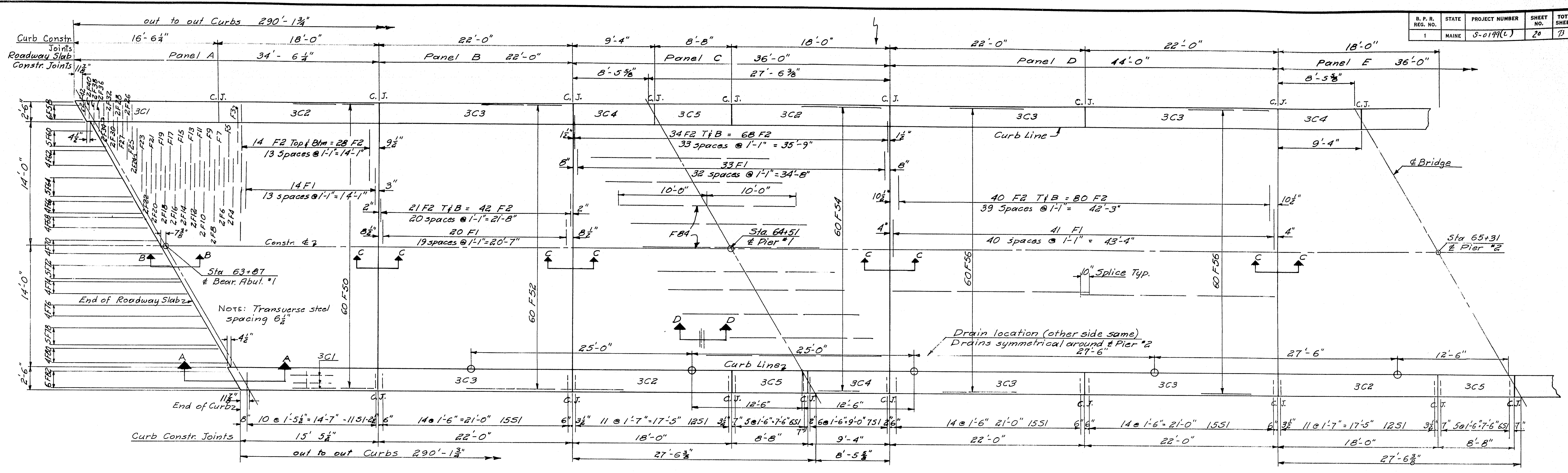
APPROACH SLAB ABUT. #1  
Abutment #2 similar

NOTE: Approach slab concrete to be Class "A" and will be paid for under Item 701-40.

DESIGN - T.H.K.	BRIDGE NO.
TRACE - T.H.K.	SHEET NO.
CHECK - A.B.P.	
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
<b>ST. GEORGE RIVER BRIDGE</b>	
IN THE TOWN OF <b>WARREN</b> KNOX COUNTY	
DETAILS	
SHEET 12 OF 15	AUGUSTA, MAINE JUNE 1961

M-1492

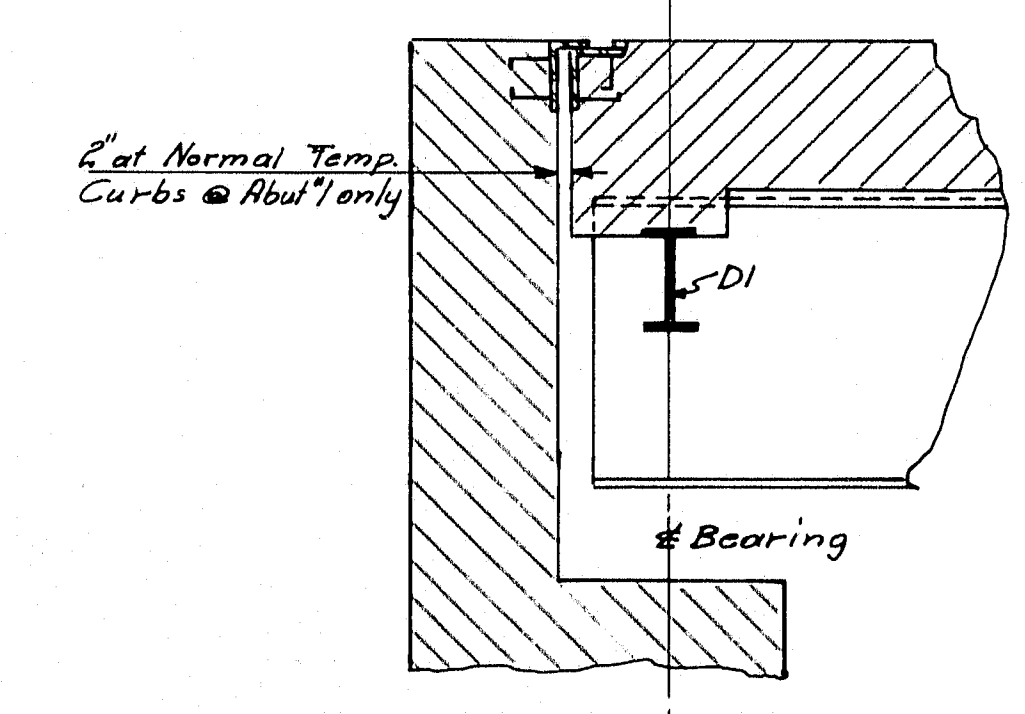
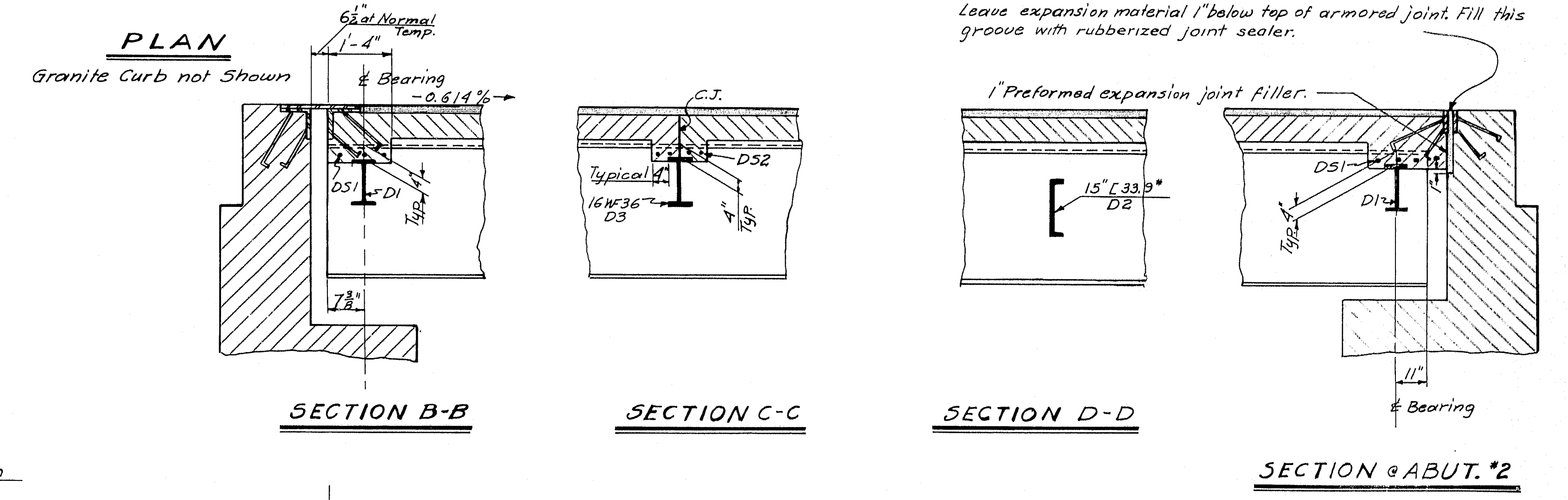




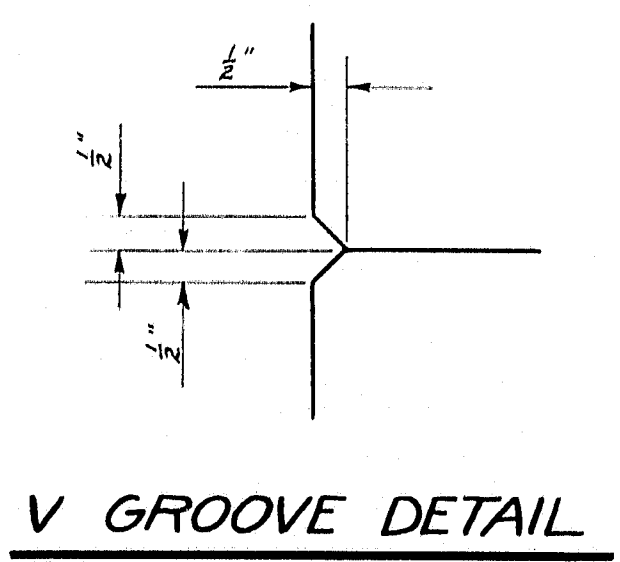
**HALF TRANSVERSE SECTION**

	Abut *1	Pier *1	Pier *2	Pier *3	Abut *2				
Panel	A	B	C	D	E	F	G	H	J
Placing Sequence	2	1	3	1	3	1	3	1	2
	15'-3 3/4"								34'-8 1/4"

**CONCRETE PLACING SEQUENCE**



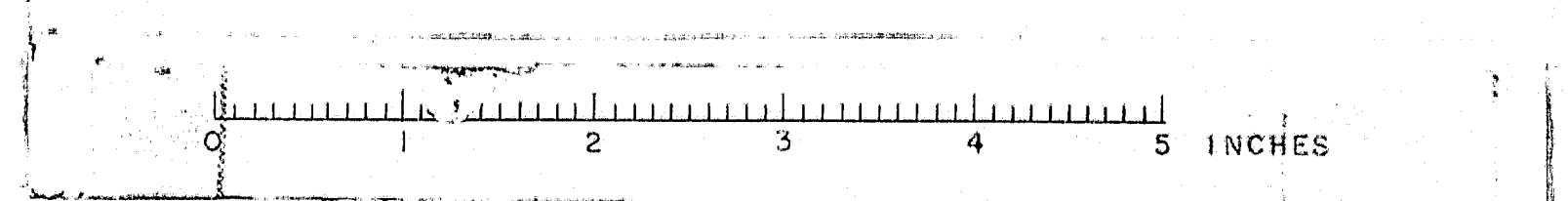
**SECTION A-A**



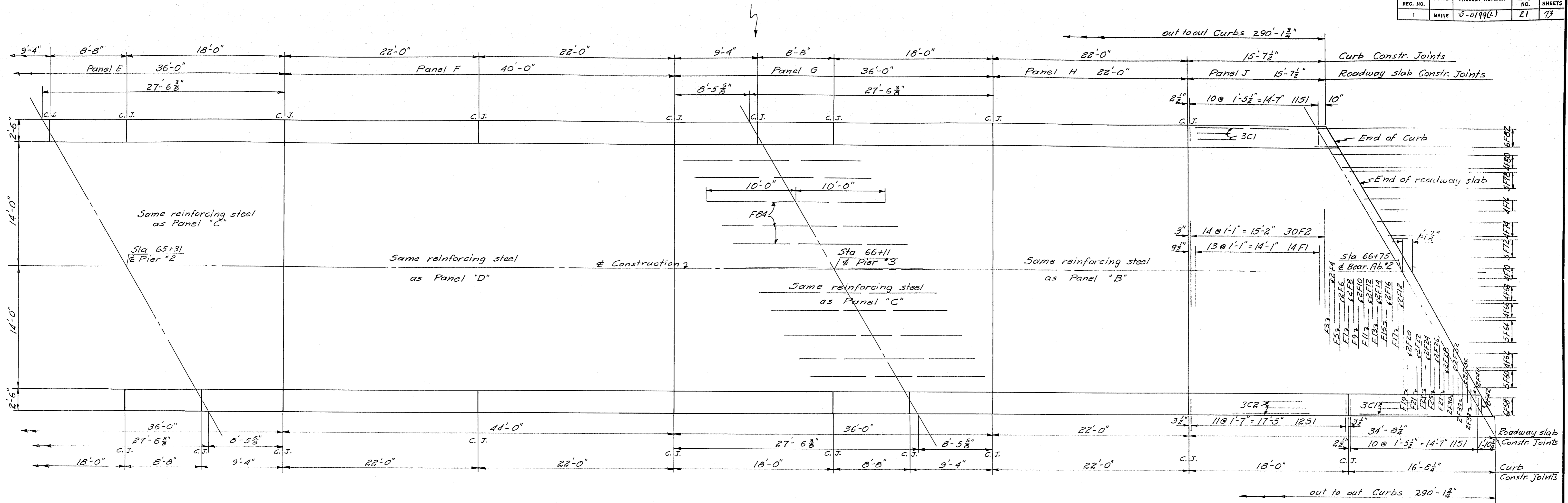
**V GROOVE DETAIL**

DESIGN - T.H.K.	BRIDGE NO.
TRACE - T.H.K.	SUPPLY
CHECK - R.B.P.	PI.
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
<b>ST. GEORGE RIVER BRIDGE</b>	
IN THE TOWN OF <b>WARREN</b> KNOX COUNTY	
SUPERSTRUCTURE SLAB	
SHEET 13 OF 15 AUGUSTA, MAINE JUNE 1961	

M-1493

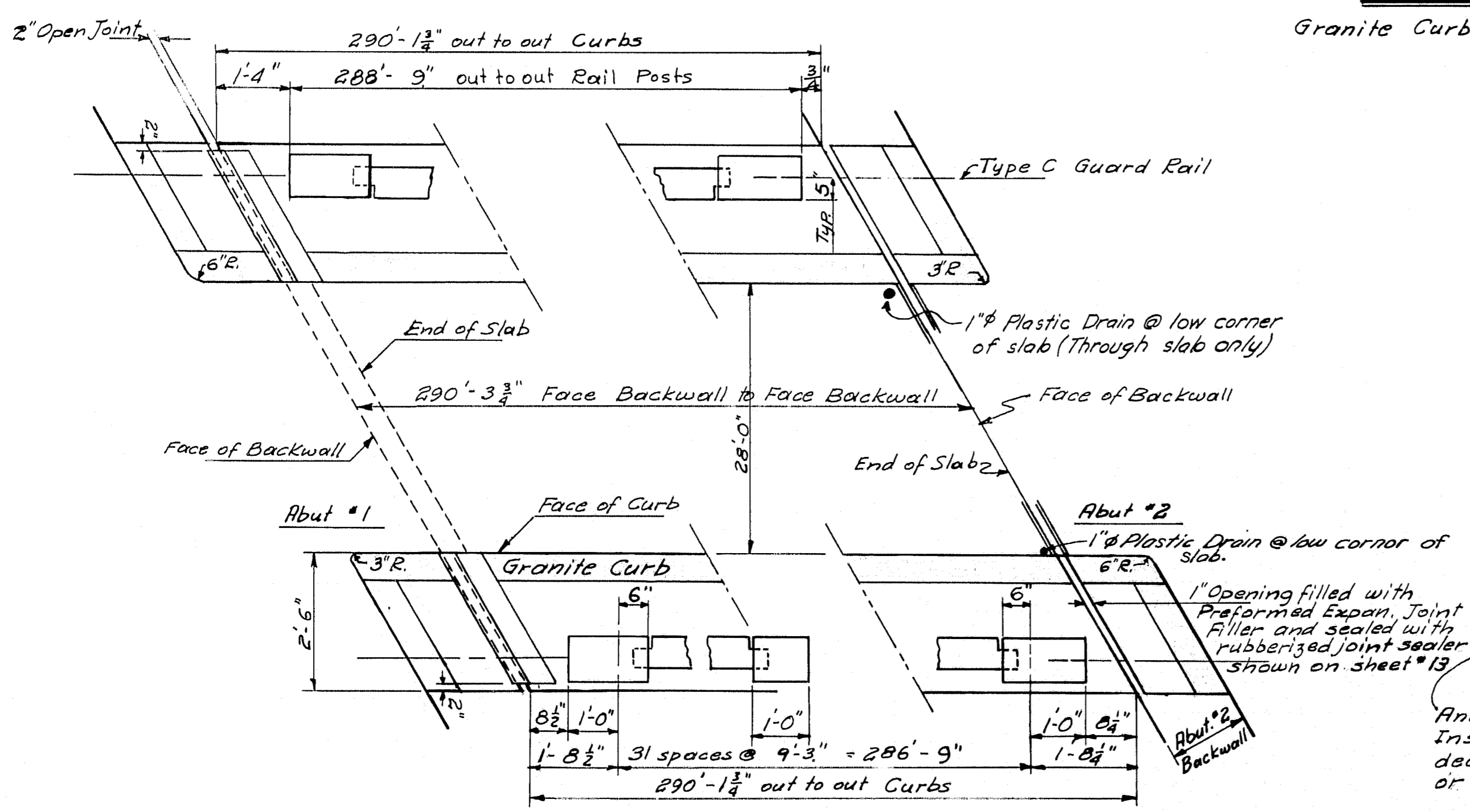


R. P. N. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	5-0199(L)	21	73



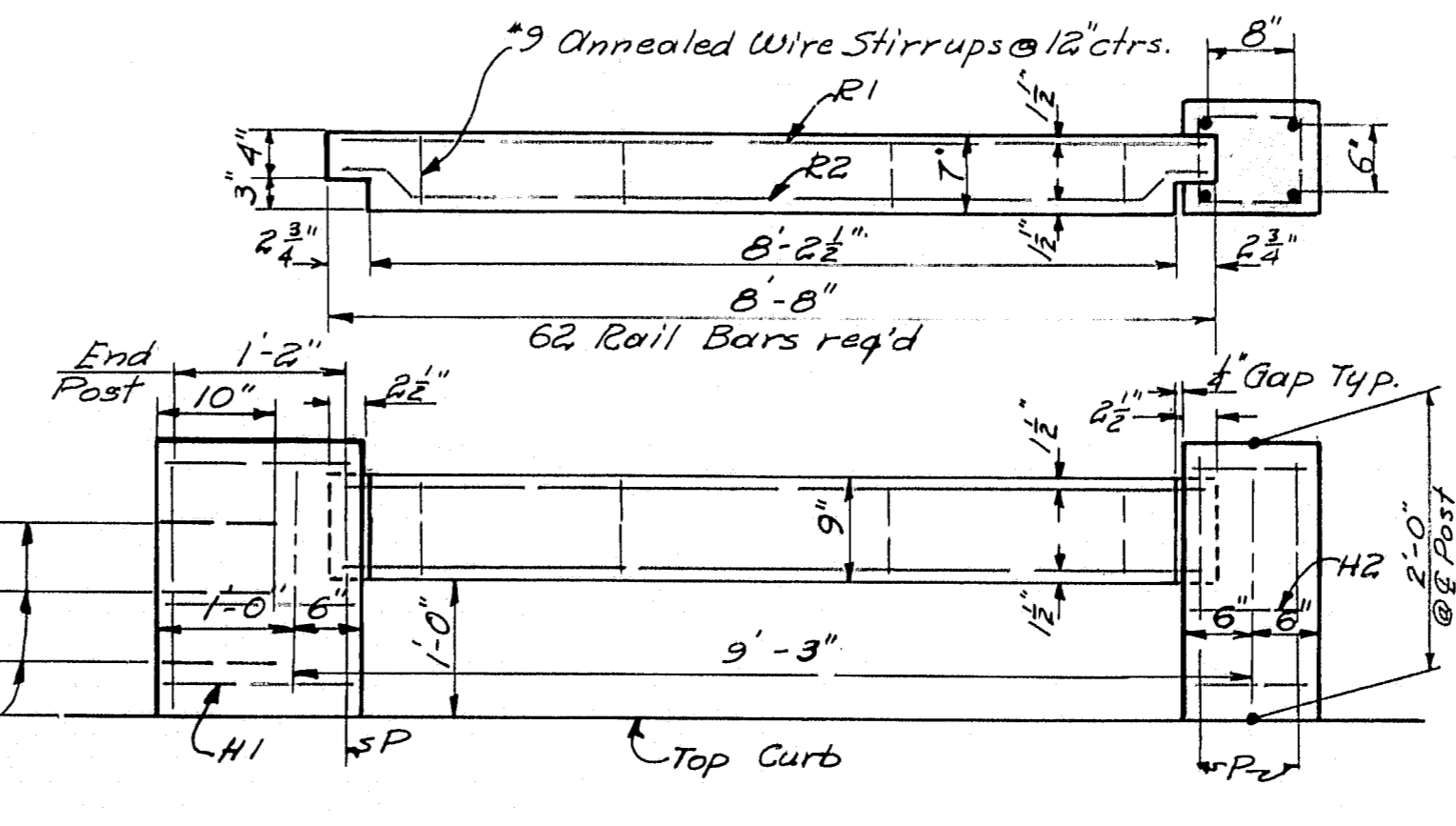
**PLAN**

Granite Curb not shown.



**PLAN- ENDS OF CURBS & RAIL POSTS**

For Granite Curb Details see Sheet # 10



**RAIL DETAILS**

**NOTES:**  
 Steel for posts to be placed before curb is placed. The rail bar is to be precast and set in position so that the ends project into post forms 2 1/2". Wrap the tongue end with two layers of heavy roofing. Build post forms and cast posts.  
 All exposed edges of concrete to be chamfered 1/2" unless otherwise indicated.  
 Posts to be plumb and tops level.  
 Wire stirrups for rail bars shall be constructed in the field from a single strand of #9 annealed wire. In forming the stirrups, make a complete turn around each reinforcing bar.  
 On these plans all references to Granite Curb mean Granite Bridge Curb.

Anchors for Type C Guard Rail  
 Install single cable compensating devices Malleable Iron Fitting Co. #PAH13 or equal.  
 Payment for compensating devices will be included in the contract unit price for "Anchorages for Type C Guard Rail."

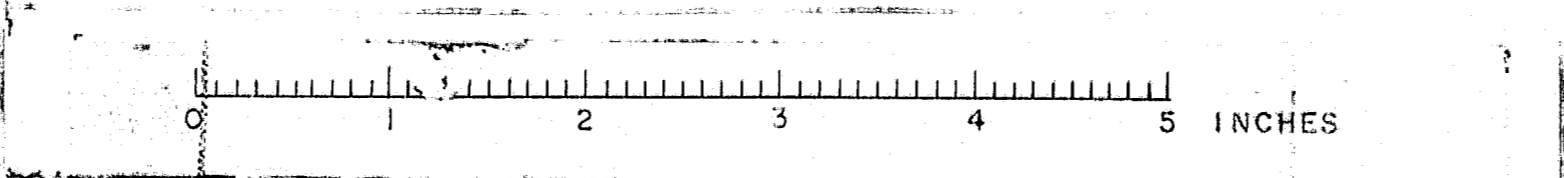
DESIGN - THK  
 TRACE - THK  
 CHECK - ABR

STATE HIGHWAY COMMISSION  
 BRIDGE DIVISION

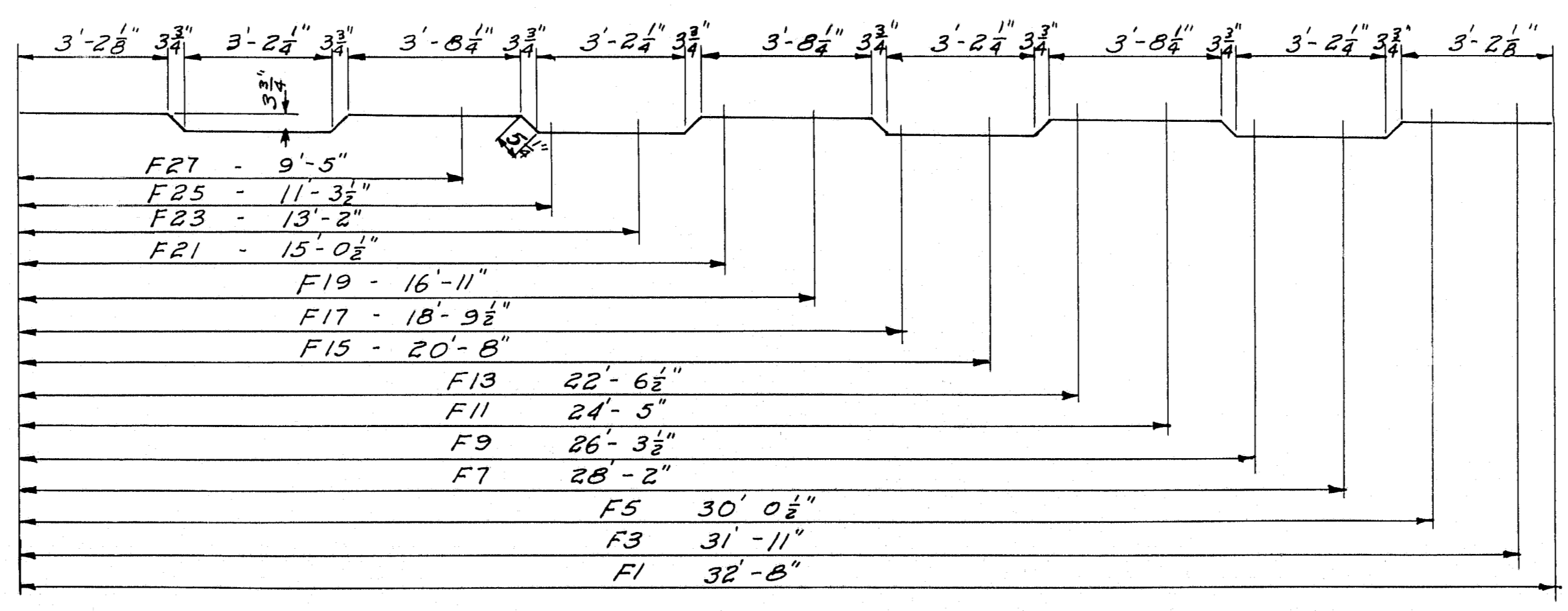
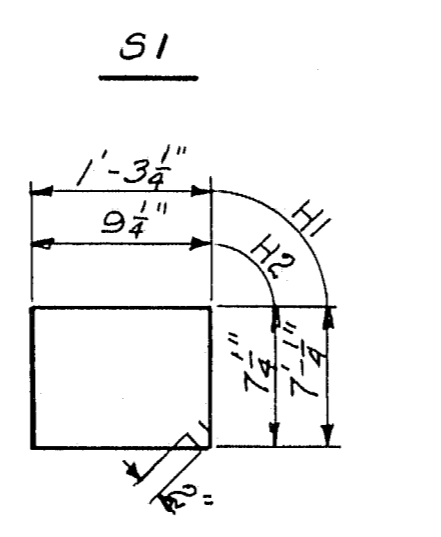
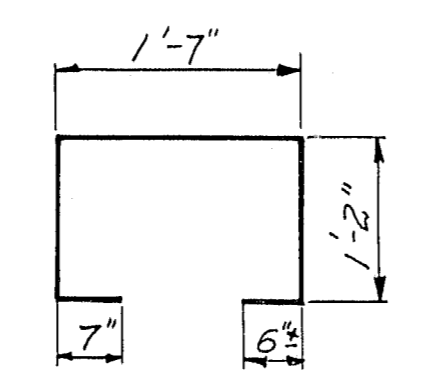
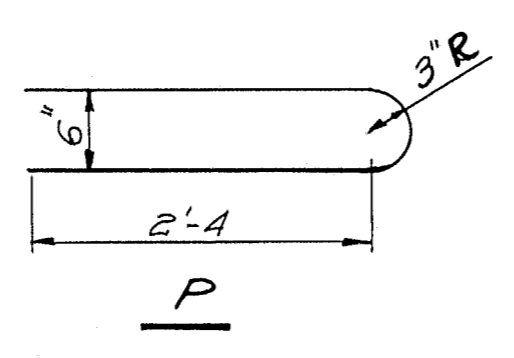
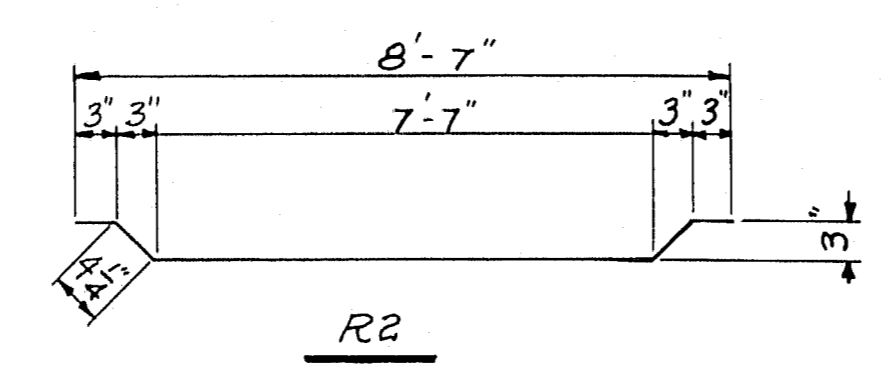
**ST. GEORGE RIVER BRIDGE**  
 IN THE TOWN OF  
**WARREN**  
**KNOX COUNTY**  
 SUPERSTRUCTURE SLAB

SHEET 14 OF 15 AUGUSTA, MAINE JUNE 1961

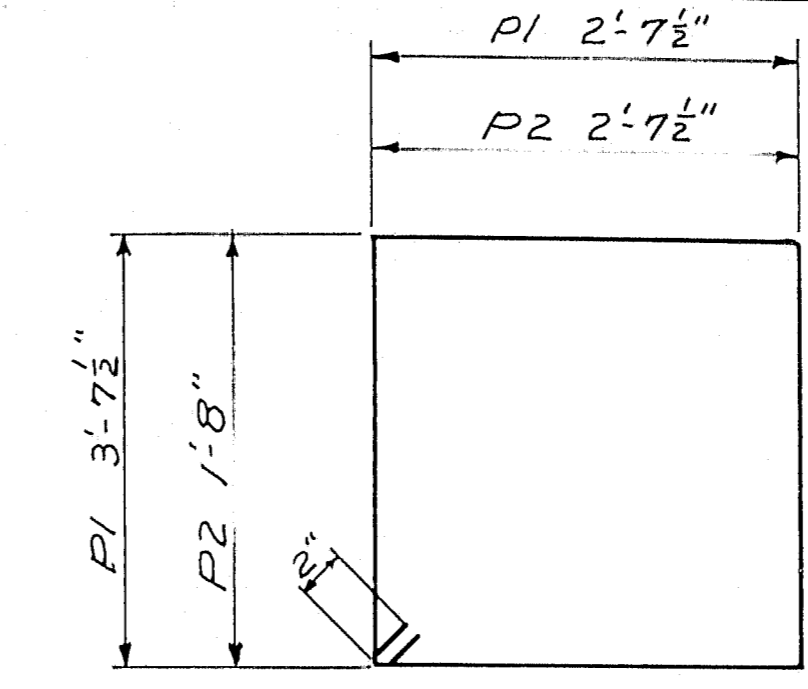
M-1494



SUPERSTRUCTURE SLAB				
MARK	SIZE	NO	LENGTH	LOCATION
<b>BENT BARS</b>				
F1	#6	249	33'-8"	Transverse - All panels
F3	2	32'-11"	"	Panel A & J
F5	2	31'-0"	"	"
F7	2	29'-0"	"	"
F9	2	27'-2"	"	"
F11	2	25'-2"	"	"
F13	#6	2	23'-3"	"
F15	2	21'-3"	"	"
F17	2	19'-5"	"	"
F19	2	17'-5"	"	"
F21	2	15'-6"	"	"
F23	2	13'-6"	"	"
F25	2	11'-8"	"	"
F27	#6	2	9'-8"	"
P	#6	128	5'-5 1/2"	Rail Posts
R2	#4	124	8'-9 1/2"	Rail Bars
S1	#4	398	3'-0"	Curbs - All Panels
H1	#3	12	4'-1"	End Rail Posts
H2	#3	180	3'-1"	Intermediate Rail Posts
<b>STRAIGHT BARS</b>				
F2	#6	506	32'-8"	Slab - All Panels
F4	4	31'-0"	Slab - Panels A & J	
F6	4	29'-1"	"	
F8	4	27'-3"	"	
F10	4	25'-4"	"	
F12	4	23'-6"	"	
F14	4	21'-7"	"	
F16	4	19'-9"	"	
F18	4	17'-10"	"	
F20	4	16'-0"	"	
F22	4	14'-1"	"	
F24	4	12'-3"	"	
F26	4	10'-4"	"	
F28	4	8'-6"	"	
F30	4	7'-6"	"	
F32	4	6'-7"	"	
F34	4	5'-8"	"	
F36	4	4'-9"	"	
F38	4	3'-9"	"	
F40	4	2'-10"	"	
F42	#6	4	1'-11"	"
F50	#4	120	14'-11"	Long. Panels A & J - Spliced
F52	120	21'-9"	"	Panels B & H
F54	180	35'-10"	"	Panels C, E, G
F56	240	28'-4"	"	D & F - Spliced
F58	12	20'-2"	"	A & J
F60	10	18'-5"	"	Long. Panels A & J - Spliced
F62	8	17'-0"	"	"
F64	10	15'-6"	"	"
F66	8	13'-10"	"	"
F68	8	12'-9"	"	"
F70	8	11'-1"	"	"
F72	10	9'-9"	"	"
F74	8	8'-5"	"	"
F76	8	6'-9"	"	"
F78	10	5'-4"	"	"
F80	8	4'-0"	"	"
F82	12	2'-6"	"	"
F84	#4	33	20'-0"	Panels C, E, G over Piers
DS1	#5	28	8'-1"	End diaphragms (over D1)
DS2	#5	128	7'-0"	Interm. " (over D3)
C1	#4	12	15'-0"	Curbs Panels A & J
C2	24	17'-8"	Curbs Panels A, C, E, G & J	
C3	36	21'-8"	Curbs Panels B, D, F & H	
C4	18	9'-0"	Curbs Panels C, E & G	
C5	#4	18	8'-4"	"
R1	#4	124	8'-7"	Rail Bars



PIERS			
Mark	Size	No.	Length
<b>BENT BARS</b>			
P1	#4	42	12'-10"
P2	#4	45	8'-11"
<b>STRAIGHT BARS</b>			
P3	#8	54	42'-6"

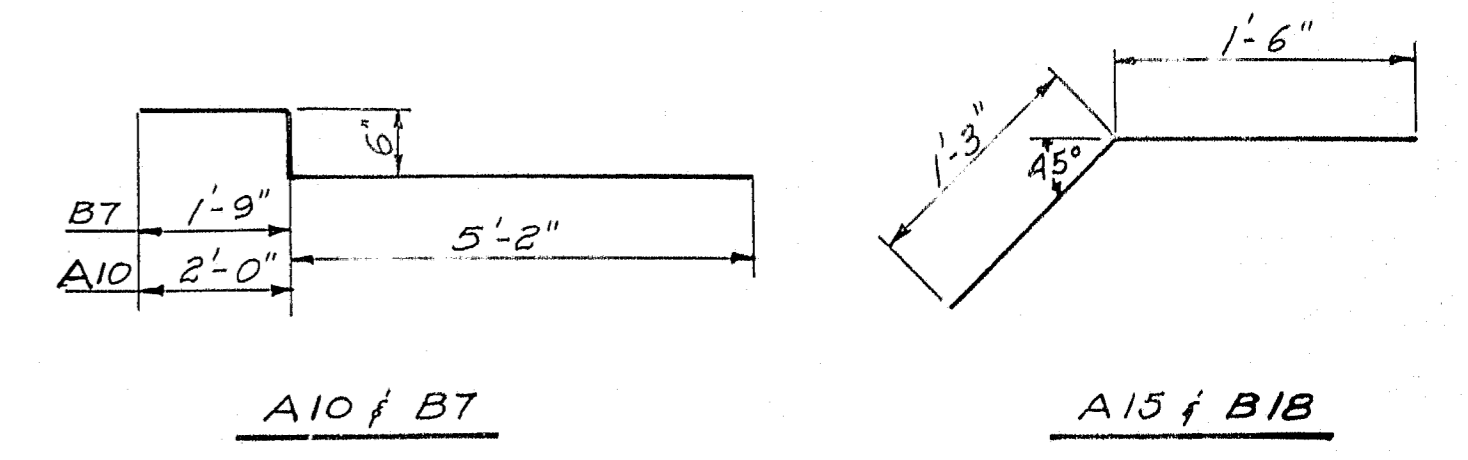


P1 & P2  
A.B.P.  
V.T.H.K.

ABUTMENT #1				
Mark	Size	No	Length	Location
<b>BENT BARS</b>				
A10	#5	26	7'-8"	Backwall
A15	#5	22	2'-9"	Approach Slab
<b>STRAIGHT BARS</b>				
A1	#6	12	25'-6"	Footing
A2	39	5'-9"	"	
A3	2	4'-10"	"	
A4	3	3'-11"	"	
A5	2	3'-0"	"	
A6	#6	4	2'-4"	"
A7	#5	41	5'-9"	Backwall & Wings
A8	14	25'-0"	Backwall	
A9	49	2'-9"	Footing	
A11	6	32'-4"	Backwall	
A12	9	7'-3"	wings	
A13	4	5'-3"	"	
A14	5	10'-0"	"	
A16	3	37'-0"	Bridge Seat	
A17	#5	27	3'-6"	"
A18	#5	5	8'-0"	wings
A19	#5	4	7'-0"	"

ABUTMENT #2				
Mark	Size	No	Length	Location
<b>BENT BARS</b>				
B7	#5	26	7'-5"	Backwall
B18	#5	22	2'-9"	Approach Slab
<b>STRAIGHT BARS</b>				
B1	#6	14	25'-6"	Footing
B2	39	6'-6"	"	
B3	3	5'-0"	"	
B4	4	3'-6"	"	
B5	#6	2	3'-0"	"
B6	#5	31	5'-0"	Backwall
B8	5	32'-3"	"	
B9	12	25'-0"	"	
B10	49	2'-9"	Footing	
B11	11	7'-0"	wings	
B12	6	6'-6"	"	
B13	4	6'-0"	"	
B14	4	10'-0"	"	
B15	4	8'-0"	"	
B16	27	3'-6"	Bridge seat	
B17	#5	3	37'-0"	"
B19	#6	2	2'-4"	Footing
B20	#5	2	5'-6"	wings
B21	#5	4	5'-0"	"

APPROACH SLABS			
Mark	Size	No	Length
AS1	#6	224	14'-6"
AS2	#4	36	32'-0"



DESIGN - T.H.K.  
TRACE - T.H.K.  
CHECK - A.B.P.

STATE HIGHWAY COMMISSION  
BRIDGE DIVISION

**ST. GEORGE RIVER BRIDGE**

IN THE TOWN OF  
**WARREN**  
KNOX COUNTY

REINFORCING STEEL  
SHEET 15 OF 15 AUGUSTA, MAINE JUNE 1961

M-1495

Note: All dimensions to center of bars.

