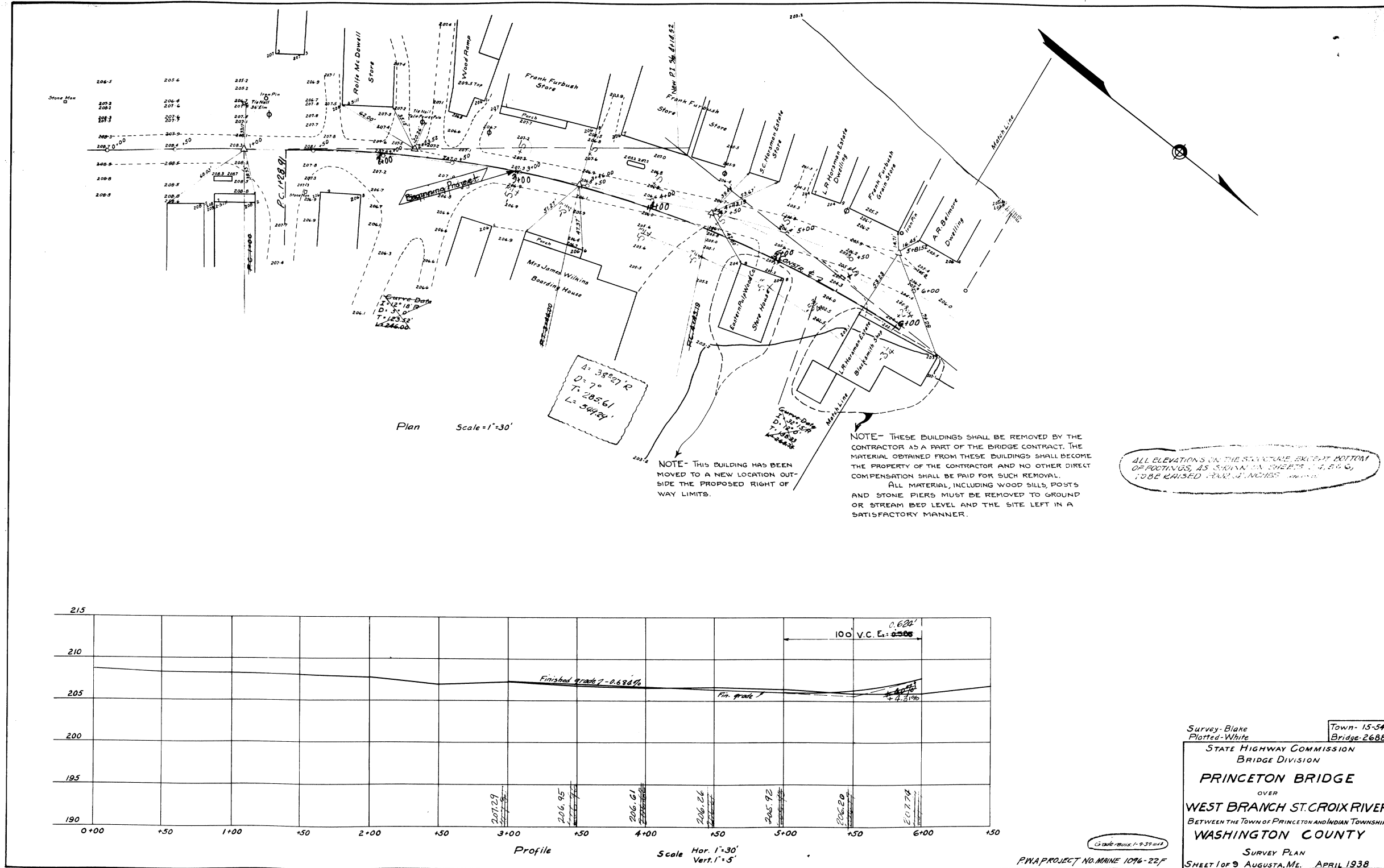
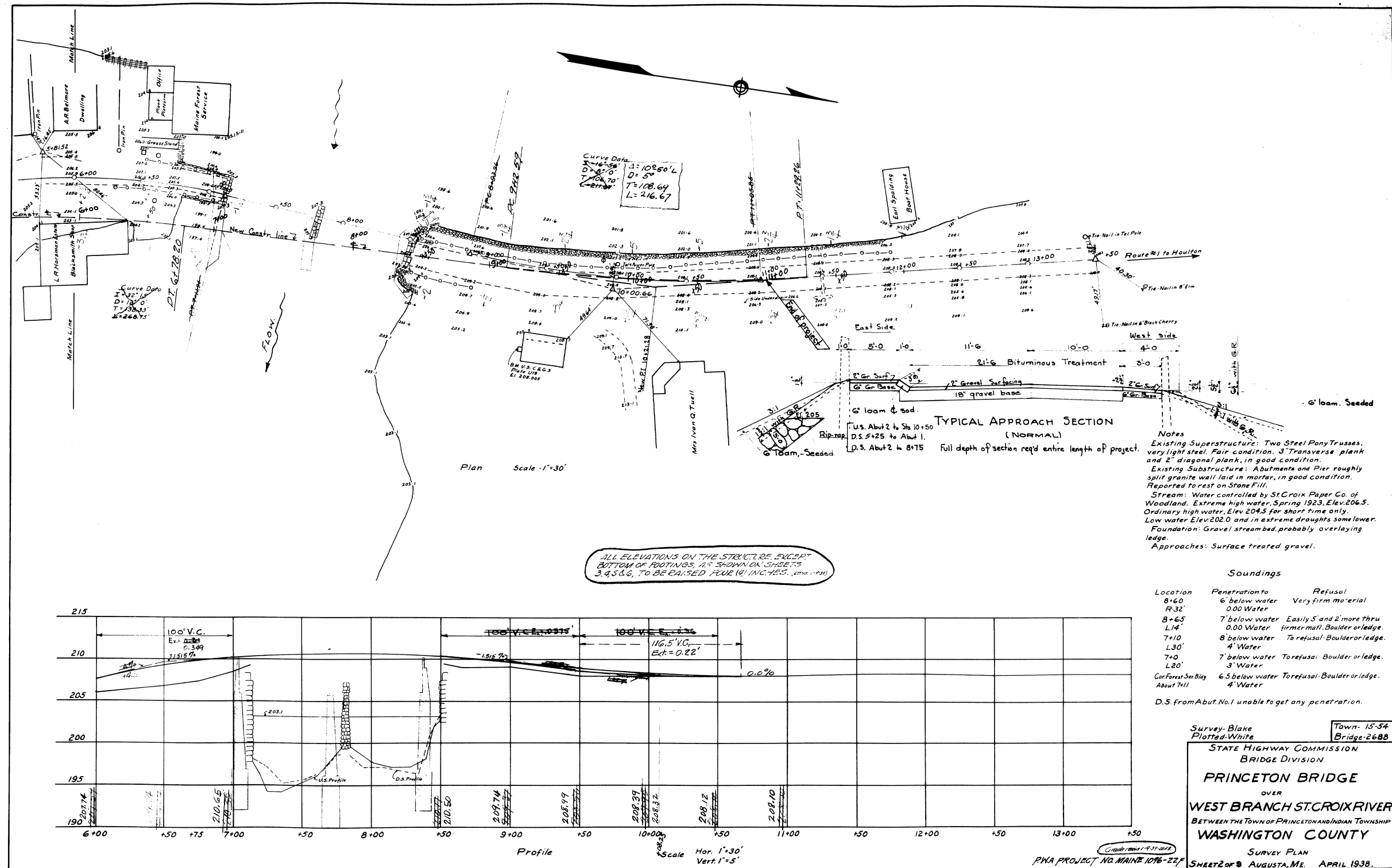
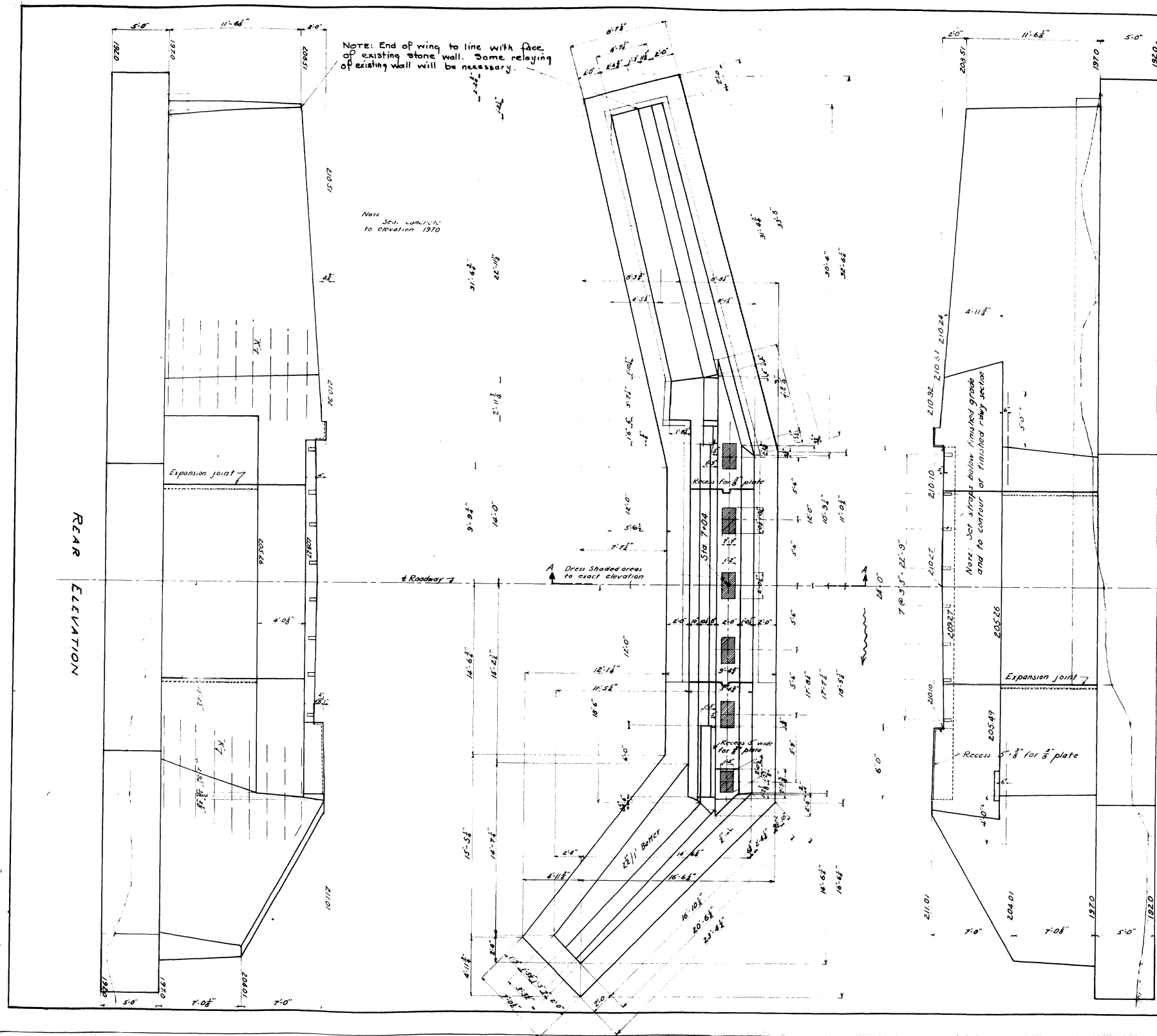




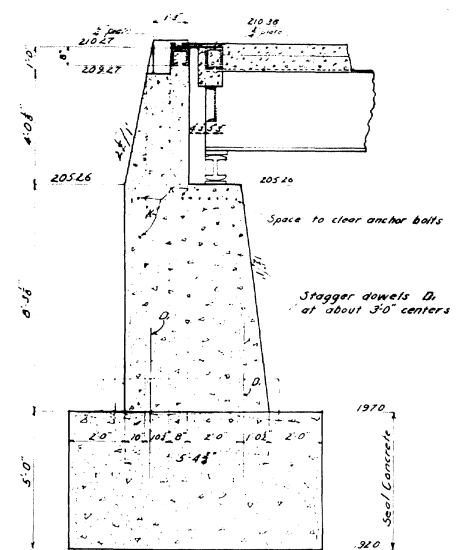
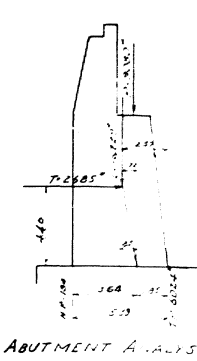
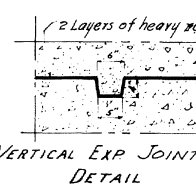


0 1 2 3 4 5 INCHES

Design: Taylor
 Trace: A.L.H.
 Check: Ferguson



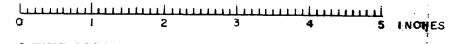
FRONT ELEVATION



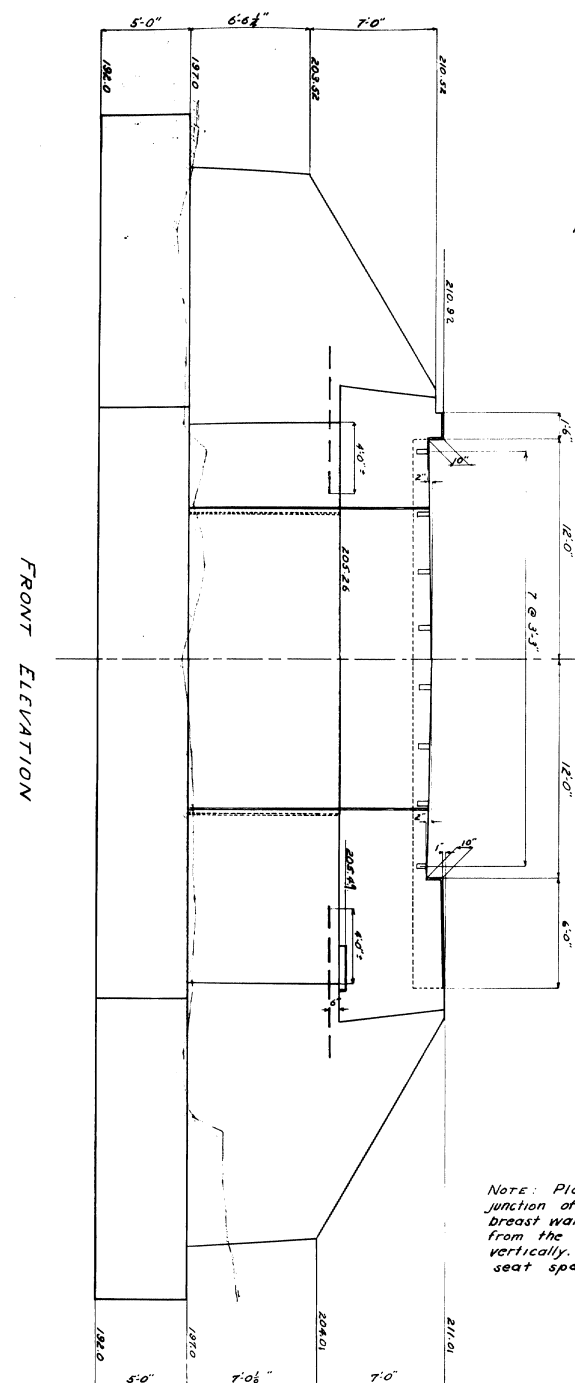
PWA PROJECT NO. MAINE 1046-22
 Town - 15-54
 Bridge 2688

STATE HIGHWAY COMMISSION
 BRIDGE DIVISION

PRINCETON BRIDGE
 over
WEST BRANCH ST. CROIX RIVER
 BETWEEN THE TOWN OF PRINCETON AND INDIAN TOWNSHIP
 WASHINGTON COUNTY
 ABUTMENT No. 1
 SHEET 3 OF 9 AUGUSTA, ME. SEPT. 1938



36-159

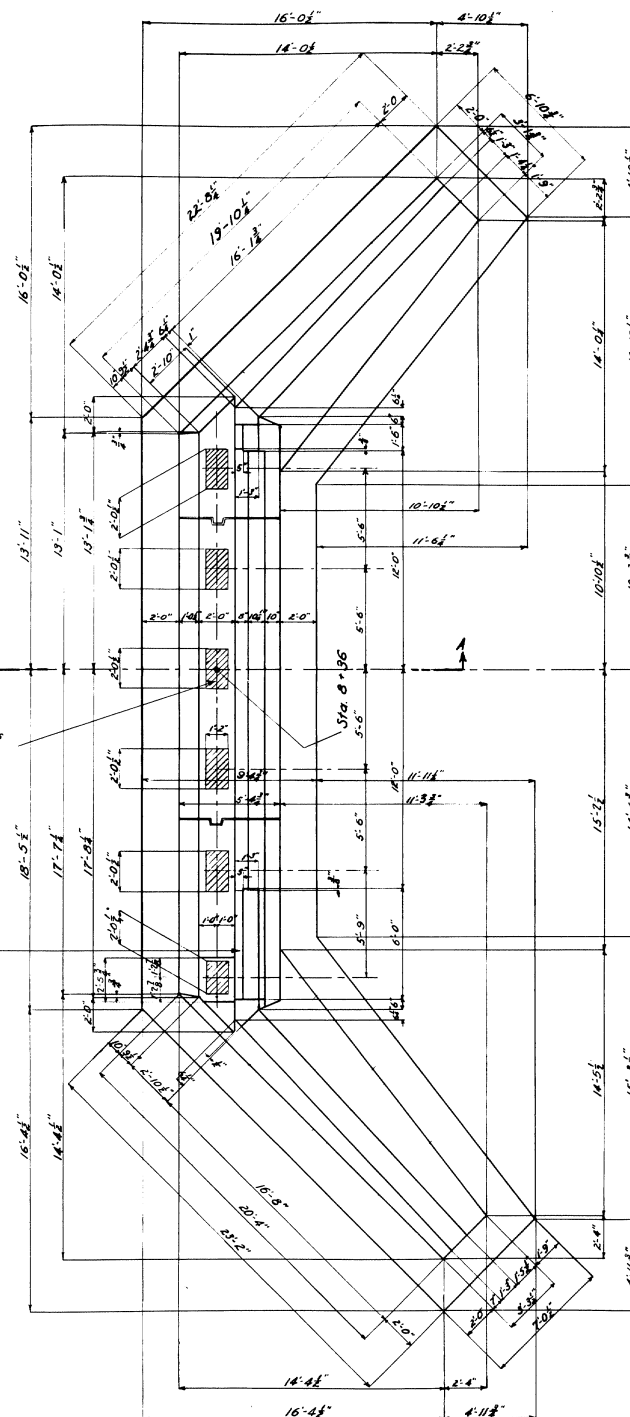


Note:
Seal concrete
to elevation 1970

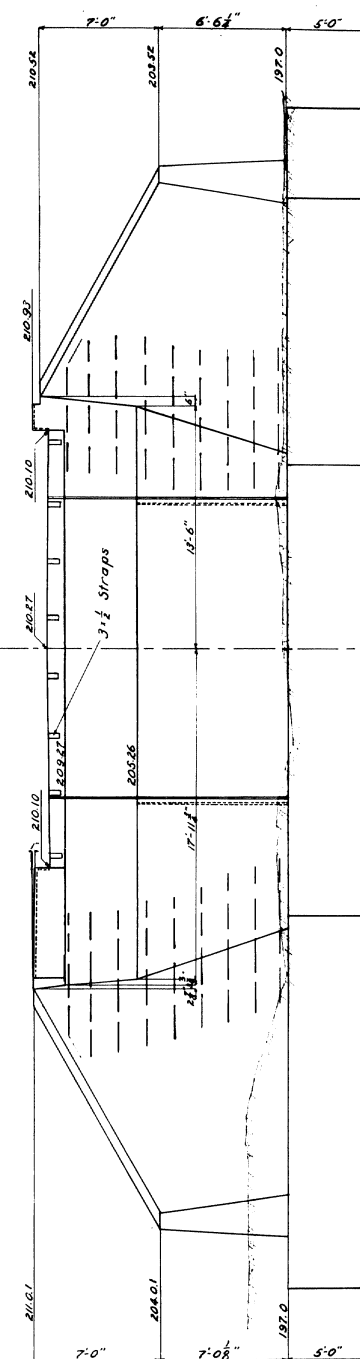
*Dress shaded areas
to exact elevation*

Recess for $\frac{3}{8}$ " plate

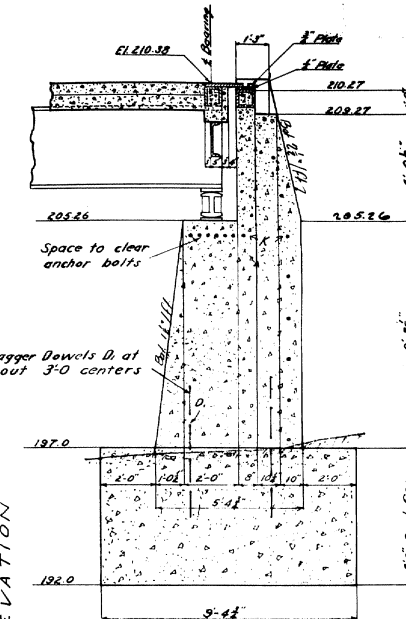
NOTE: Place "K" bars at the junction of wings and abutment breast walls. Bars to be set 6" from the back form, spaced 1'-6" vertically. Also 6" below bridge seat spaced 4" horizontally.



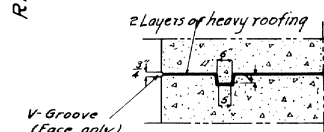
PLAN



NOTE:
Footnote at Attachment No. 2 was omitted.



ABUTMENT SECTION A-A



VERTICAL EXPANSION JOINT DETAIL

Note: Cover the vertical expansion joint on the back side of abutment with two layers of heavy roofing. Area to be covered is to be recessed $\frac{1}{2}$ " by nailing a thin strip to the inside of form. Coat concrete and back side of each layer as applied with hot tar or asphalt.

NOTE: Backwall may be placed after steel is erected.

P.W.A. PROJECT NO. MAINE 1096-22F

Town - 15-54
Bridge-2688

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

PRINCETON BRIDGE

OVER

WEST BRANCH ST. CROIX RIVER

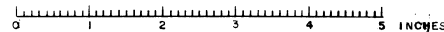
BETWEEN THE TOWN OF PRINCETON AND INDIAN TOWNSHIP

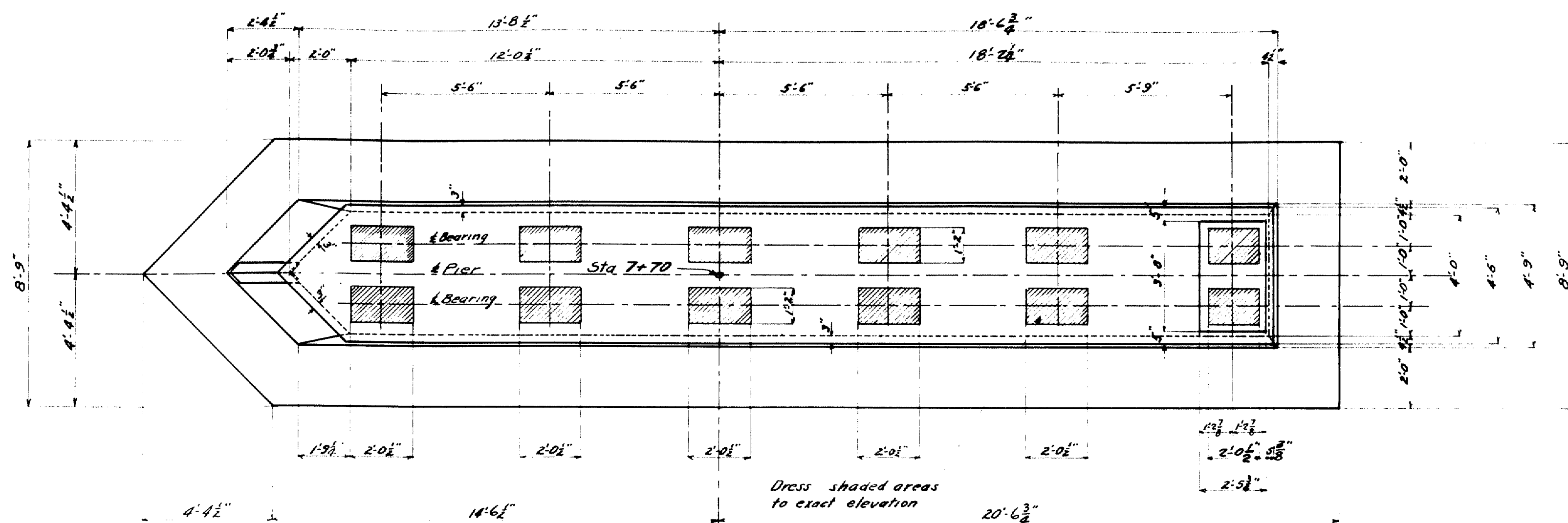
WASHINGTON COUNTY

APUTMENT No. 2

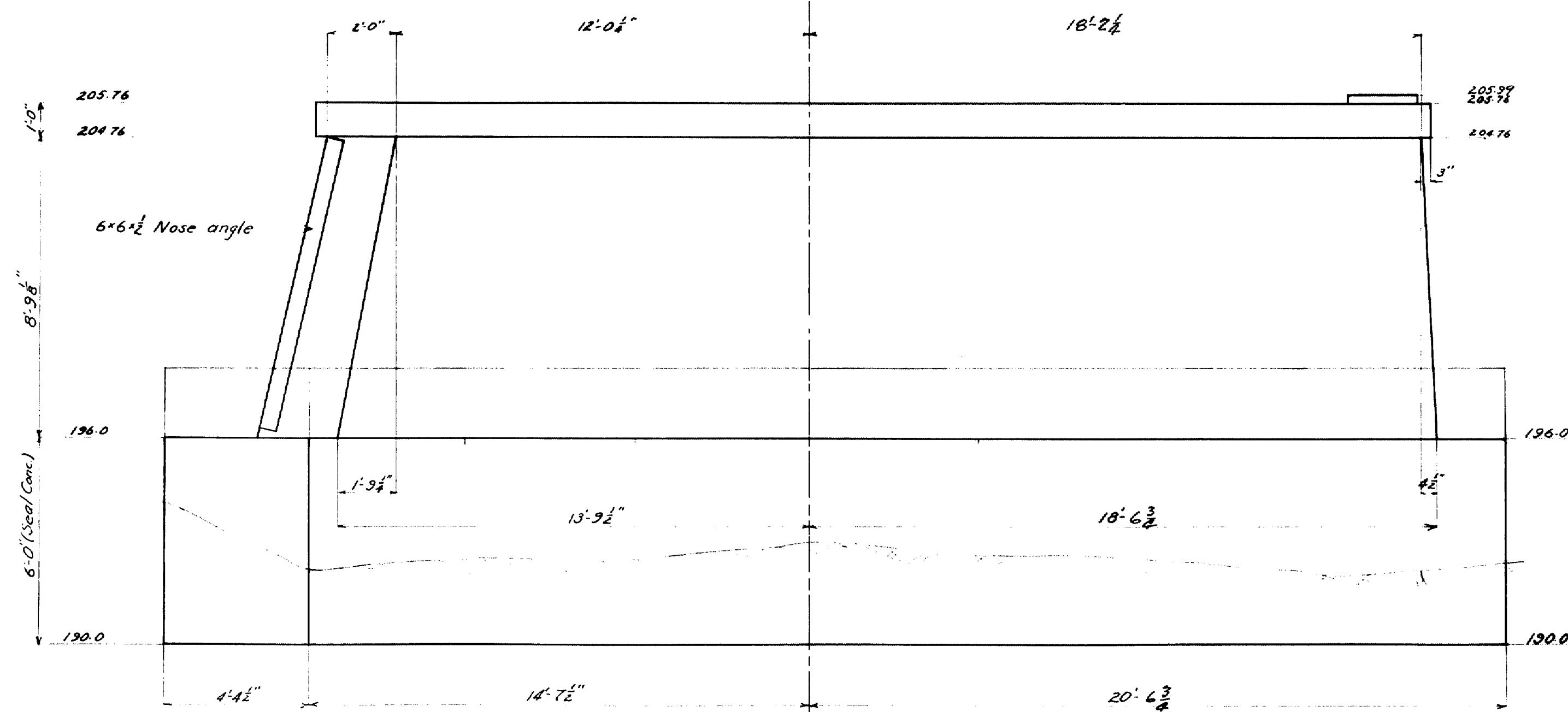
SHEET 5 OF 9 AUGUSTA, ME. SEPT. 1938

36-161



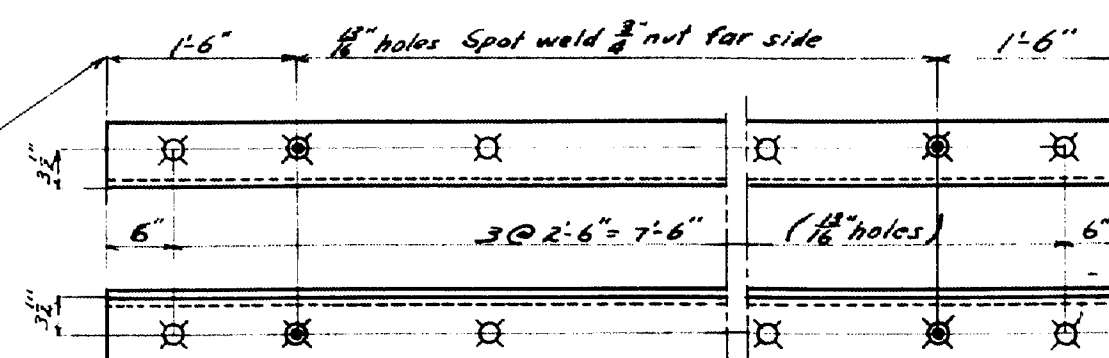


PIER PLAN



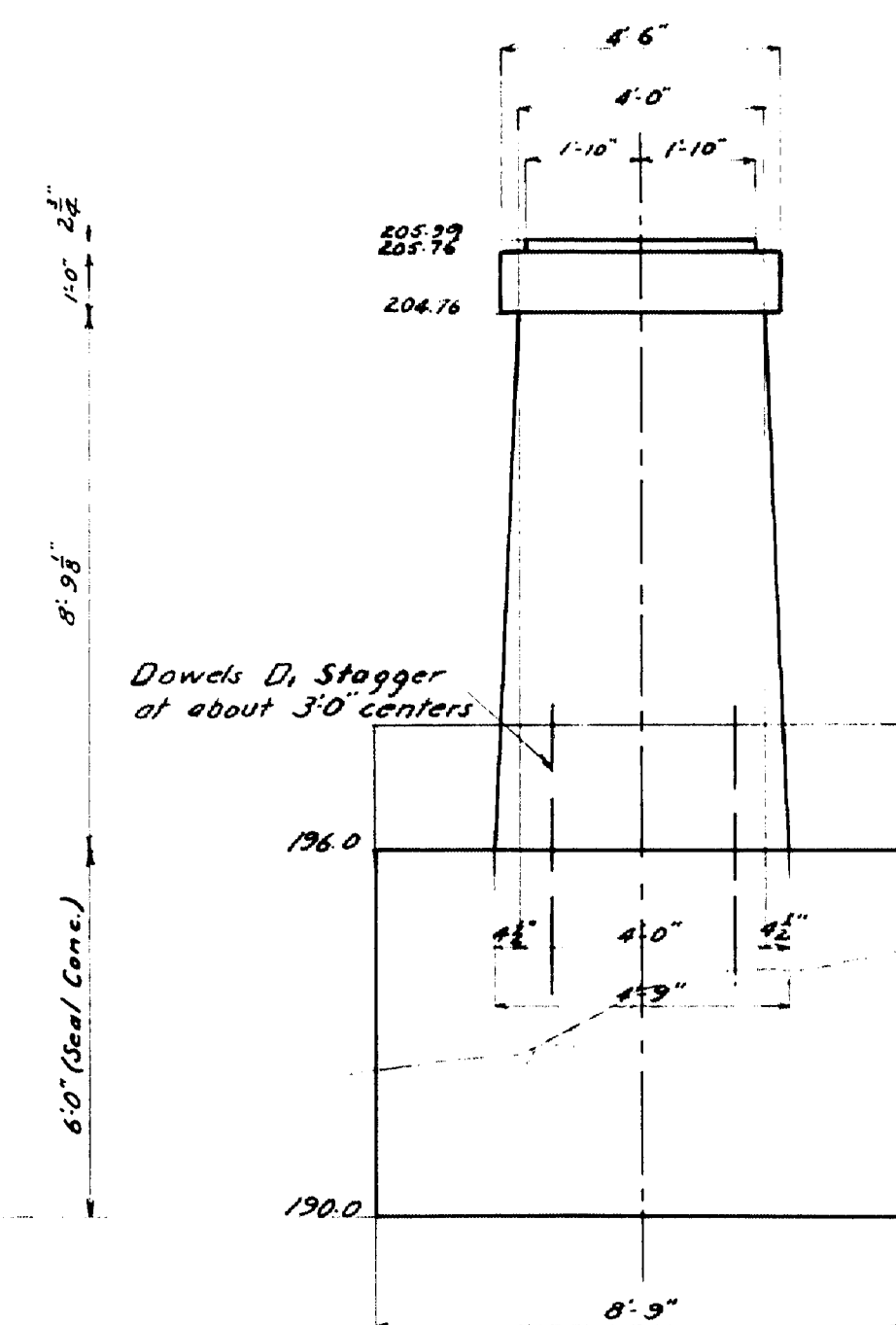
SIDE ELEVATION

Note: Use these holes for erection. After concrete is in place fill the hole with a 3/4" bolt with cap head.

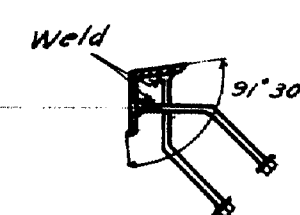


NOSE ANGLE

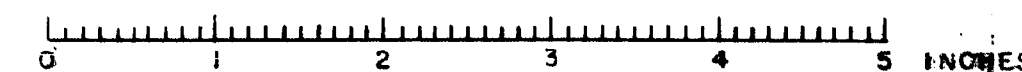
6'-6 1/2" x 8'-6" One Req'd.



REAR ELEVATION



ANCHOR BOLTS: 3/4" x 1'-3" C&A heads with nut and washer 8 Required



Design: S. J. G. Jr.
Trace: A. L. H.
Check: F. E. G. JR.

PWA PROJECT NO. MAINE 1076-22F

Town - 15-54
Bridge 2688

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

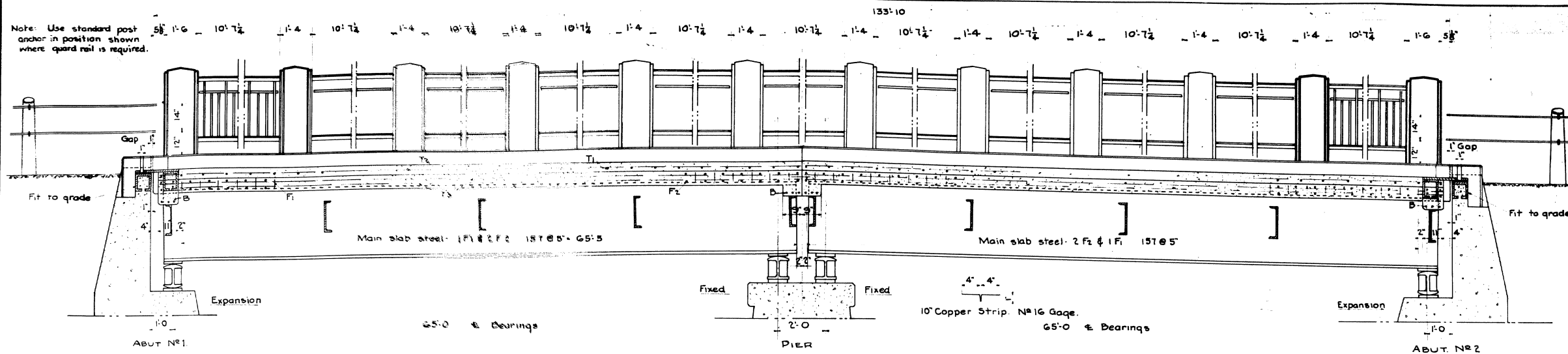
PRINCETON BRIDGE

OVER
WEST BRANCH ST. CROIX RIVER
BETWEEN THE TOWN OF PRINCETON AND INDIAN TOWNSHIP
WASHINGTON COUNTY

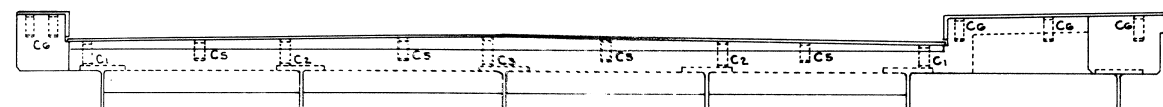
PIER
SHEET 4 OF 9 AUGUSTA, ME. SEPT. 1938

36-160

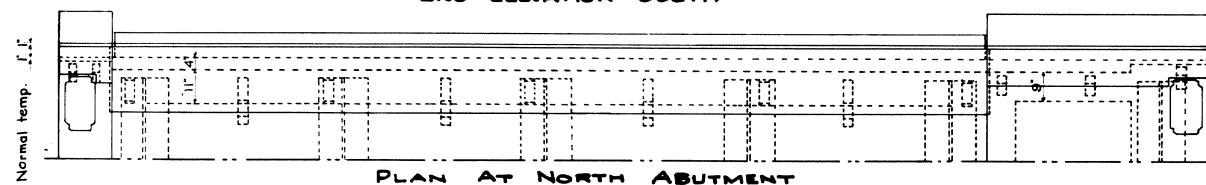
Note: Use standard post and anchor in position shown where guard rail is required.



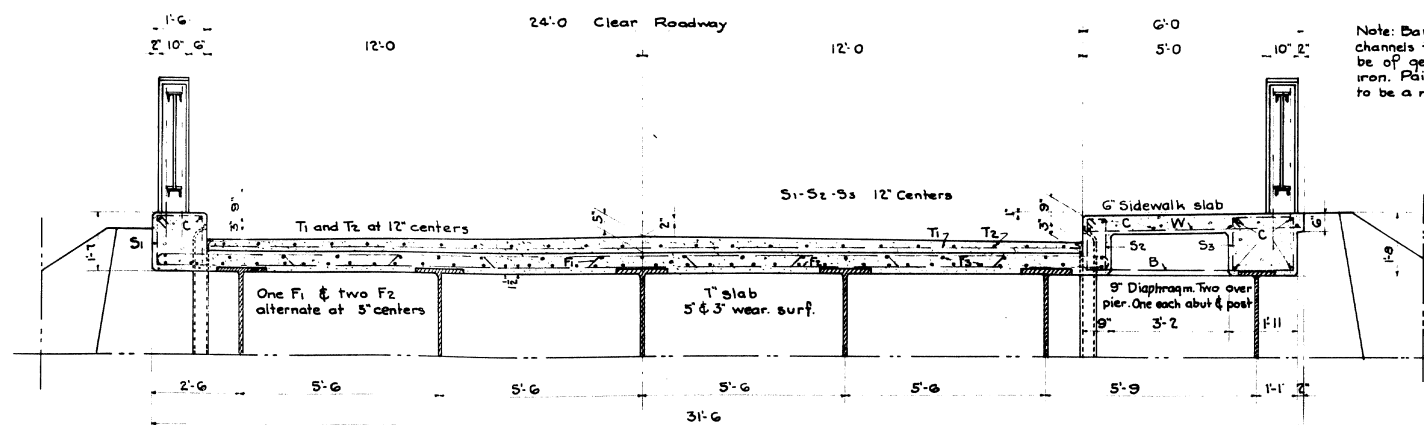
LONGITUDINAL SECTION



END ELEVATION - SOUTH

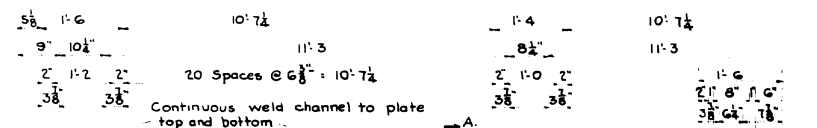


PLAN AT NORTH ABUTMENT

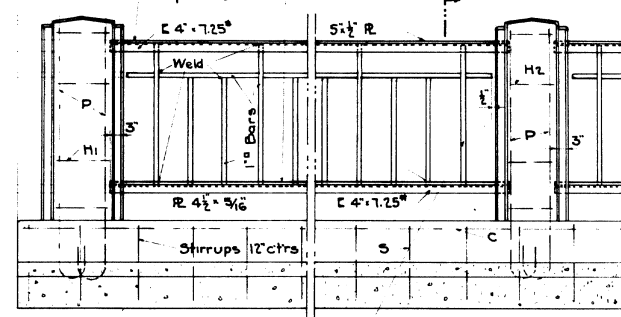


TRANSVERSE SECTION

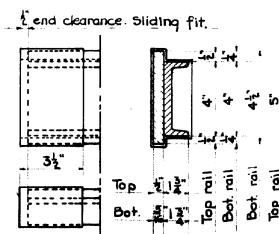
Note: Bars, plates and channels for this rail to be of genuine wrought iron. Paint for final coat to be a medium green.



These bars to extend thru I web at top and plate at bottom. Weld all connections.



SECTION A-A



RAIL SLEEVE DETAIL

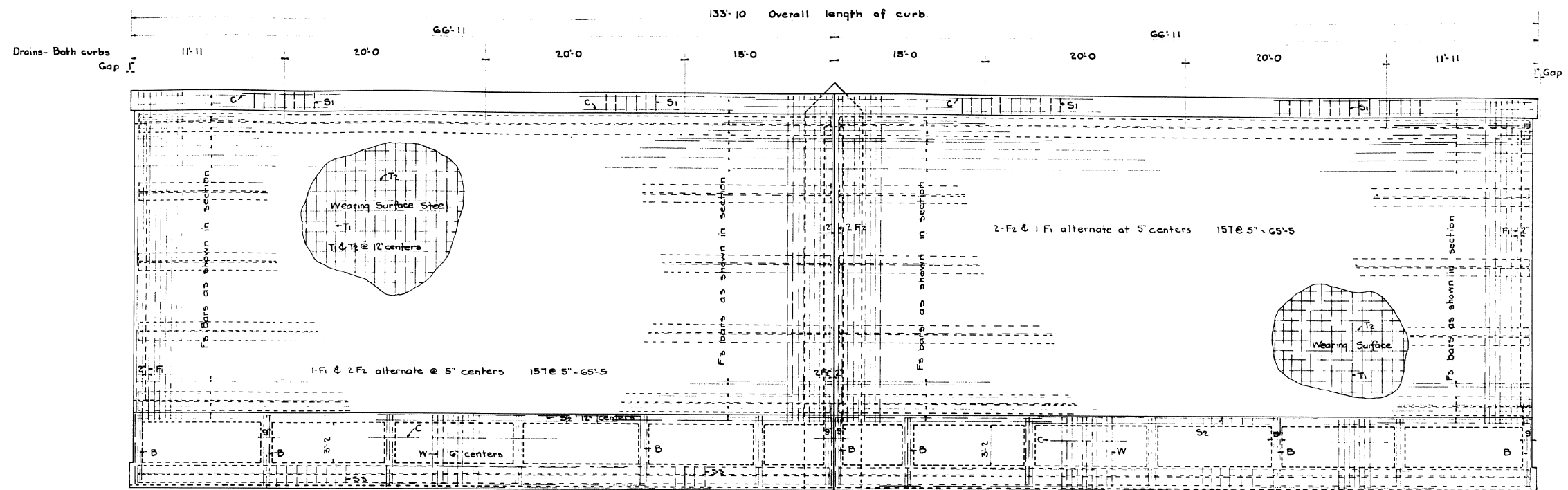
SLEEVE NOTE
Dimensions shown are net dimensions of outside of top and bottom rails. Fit sleeves over rail to obtain a sliding fit. Fit sleeves to allow 1/2" clearance between end of rail and concrete when post is cast. Sleeves to be made from 20 gage copper.

RMA PROJECT 10 MAINE 1096-22F
TOWN 15-54
BRIDGE 2608
MAINE STATE HIGHWAY COMM.
BRIDGE DIVISION
PRINCETON BRIDGE
OVER
WEST BRANCH ST CROIX RIVER
BETWEEN THE TOWNS OF
PRINCETON & INDIAN TWP - WASHINGTON CO.
SUPERSTRUCTURE DETAILS
SHEET 6 OF 9 AUGUSTA ME. OCT. 1938

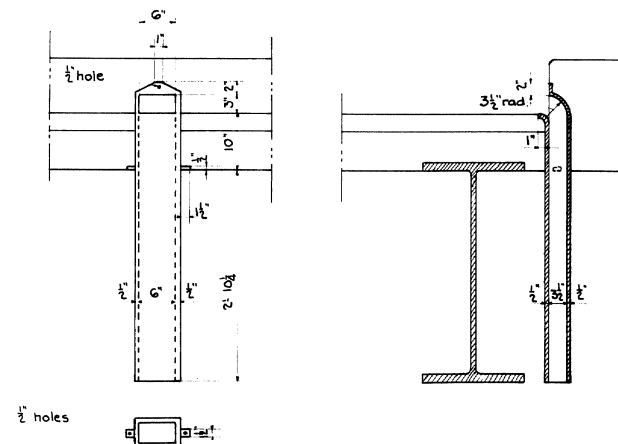
36-162

Design: Jay Co.
Traced: Jay Co.
Checked: FERGUSON

0 1 2 3 4 5 INCHES



SUPERSTRUCTURE PLAN



CAST IRON DRAINS
12 Required

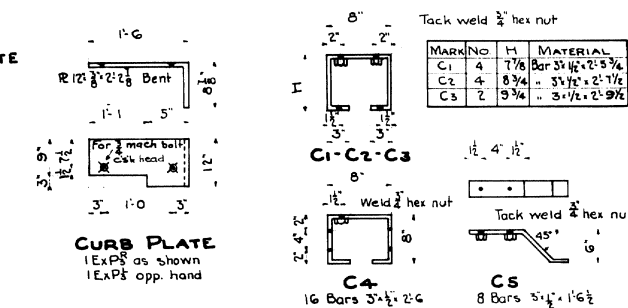
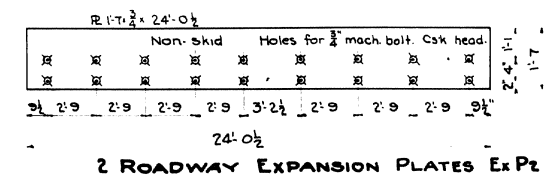
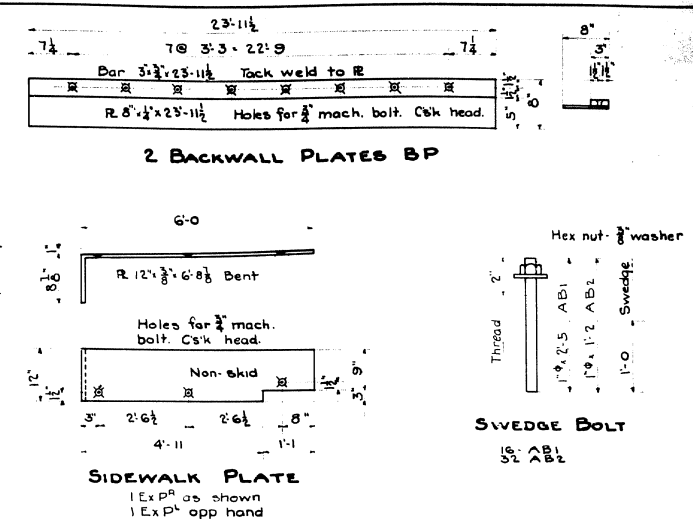
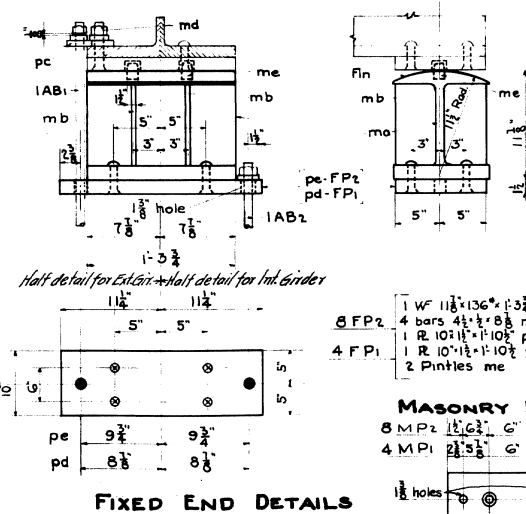
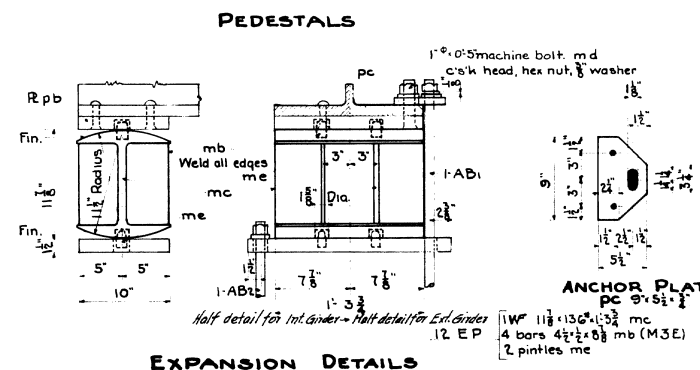
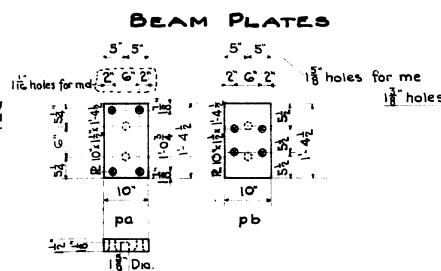
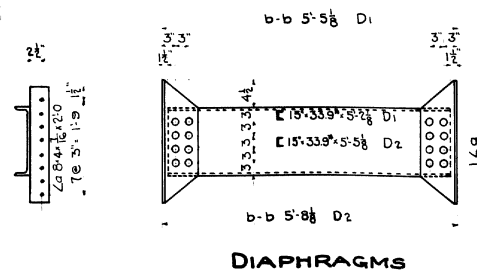
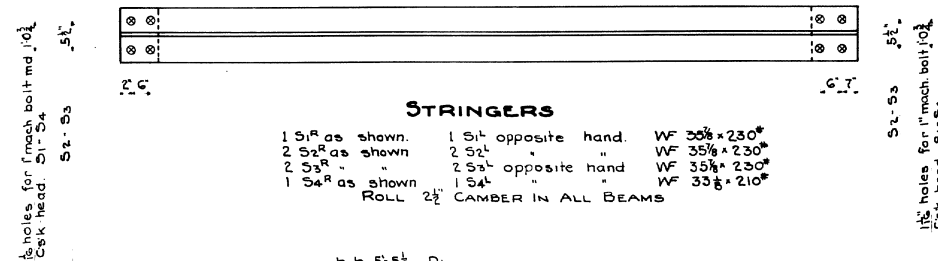
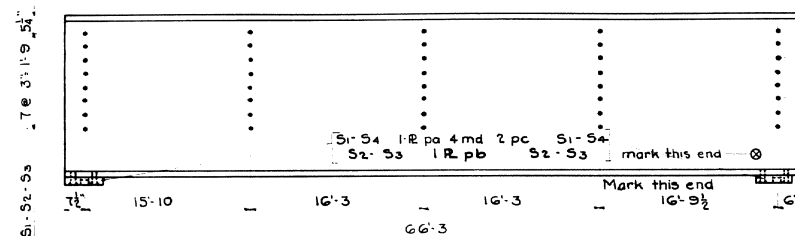
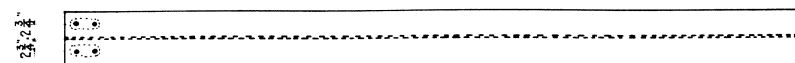
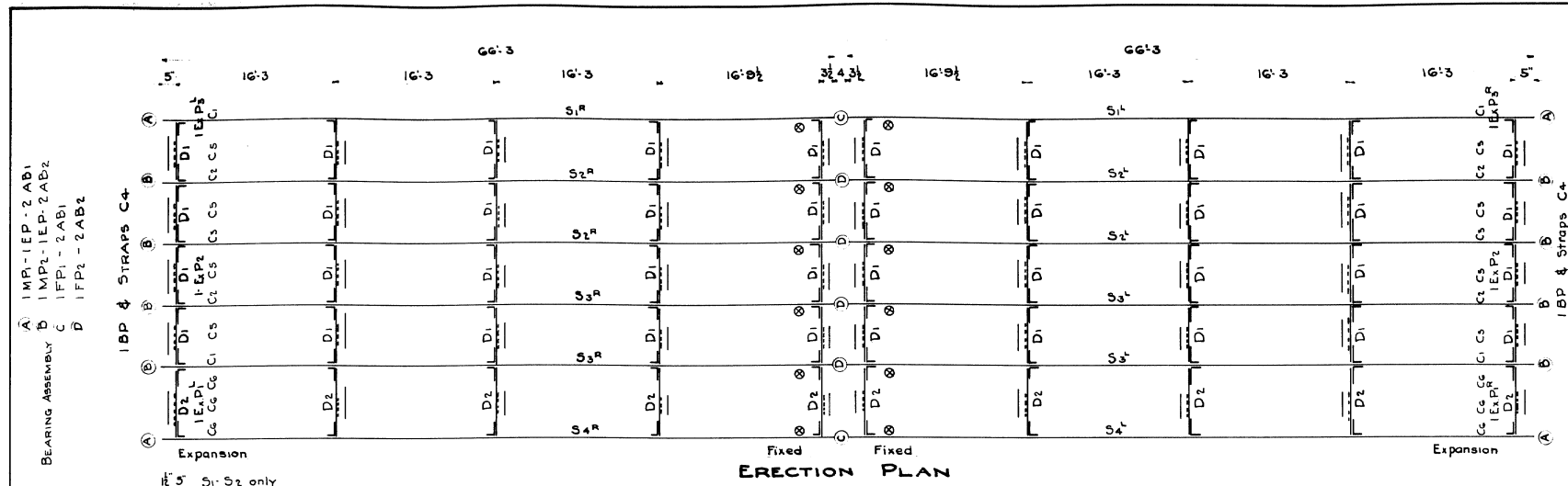
REINFORCING STEEL SCHEDULE				
BENT BARS			STRAIGHT BARS	
MARK	SIZE	NO REQ'D	TOT LENGTH	LOCATION
F1	3/8"	188	29'-0 3/4"	Main Slab
F2	3/8"	188	27'-9 3/4"	Roadway Curb
S1	1/2"	136	4'-2"	Sidewalk Curb
S2	1/2"	136	6'-7 1/2"	Sidewalk Girder
H1	1/2"	16	3'-8"	End Rail Post
H2	1/2"	80	3'-4"	Intermediate Rail Post
P	3/4"	96	5'-4 1/2"	Rail Posts

NOTE: All reinforcing steel to be plain round bars of structural grade. Dimensions given are to center-lines of bars.

PWA PROJECT NO. MAINE 1096-22F
TOWN 15-54
BRIDGE 2608
MAINE STATE HIGHWAY COMM
BRIDGE DIVISION
PRINCETON BRIDGE
OVER
WEST BRANCH ST CROIX RIVER
BETWEEN THE TOWNS OF
PRINCETON & INDIAN TWP- WASHINGTON CO.
SUPERSTRUCTURE DETAILS
SHEET 7 OF 9 AUGUSTA ME OCT 1938

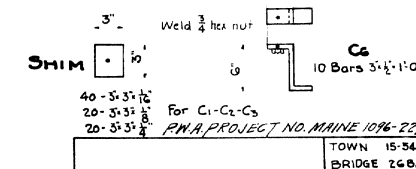
36-163

0 1 2 3 4 5 INCHES

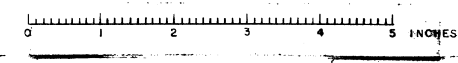
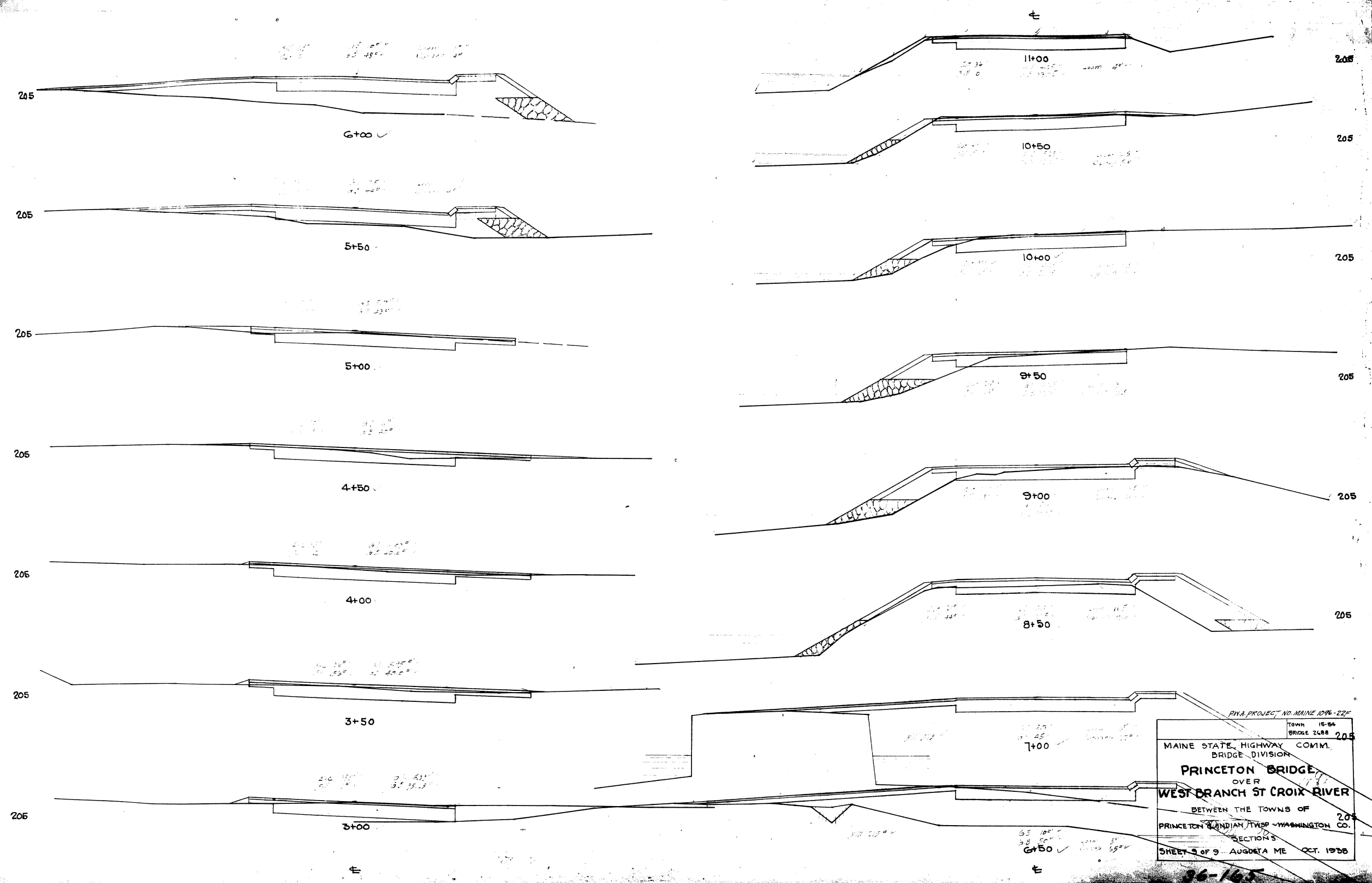


MARK	NO	M	MATERIAL
C1	4	7 7/8	Bar 3" 1/2" x 2" 5 3/4"
C2	4	8 3/4	" 3" 1/2" x 2" 7 1/2"
C3	2	9 3/4	" 3" 1/2" x 2" 9 1/2"

GENERAL NOTES
LOADING: H-20
SPECIFICATIONS: Maine State
Highway for steel, August 1937
HOLES: $\frac{1}{2}$ " unless noted
RIVETS: $\frac{3}{4}$ "
PAINT: One shop coat of red
lead and oil. Contact surfaces
and tops of stringers not painted.
See sheet No 4 for detail of
structural steel nose angle.

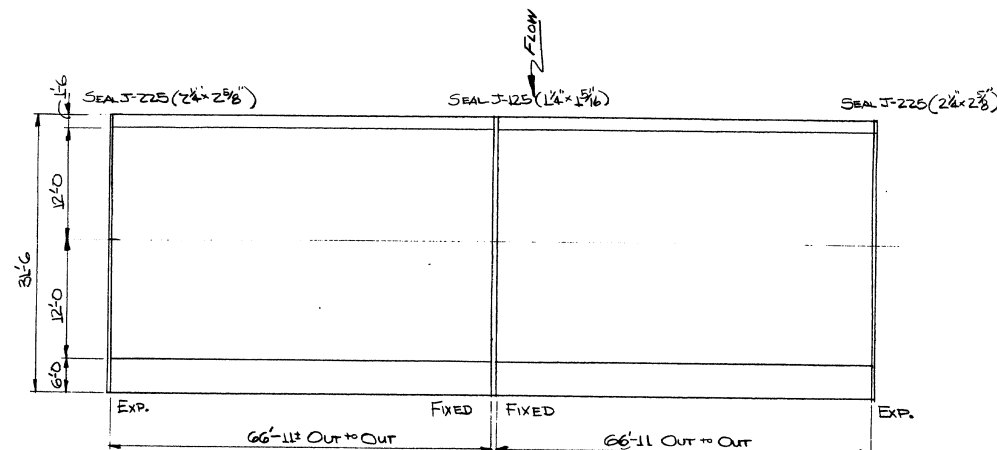


MAINE STATE HIGHWAY COMM.
BRIDGE DIVISION
PRINCETON BRIDGE
OVER
WEST BRANCH ST CROIX RIVER
BETWEEN THE TOWNS OF
PRINCETON & INDIAN TWP. - WASH. CO.
STEEL DETAILS
SHEET 8 of 9 AUGUSTA ME OCT. 1938



PROJECT DESIGN ENGINEER	DATE
BY	2/2/92
DESIGN DETAIL	
REVISIONS	
FIELD CHANGES	
PLANS	

BRUNING 4412-29710



PLAN

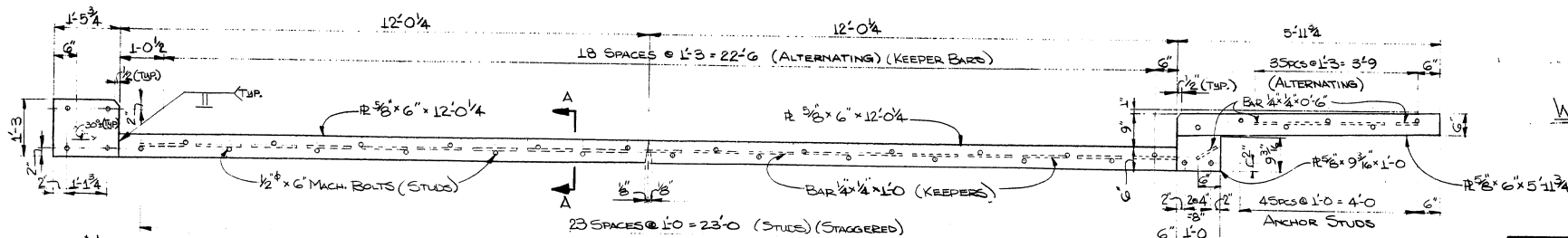
SCOPE OF WORK

REMOVE ALL EXISTING JOINT STEEL.
REPLACE WITH ARMORED JOINTS AND
SEALS AS SHOWN.

NOTES

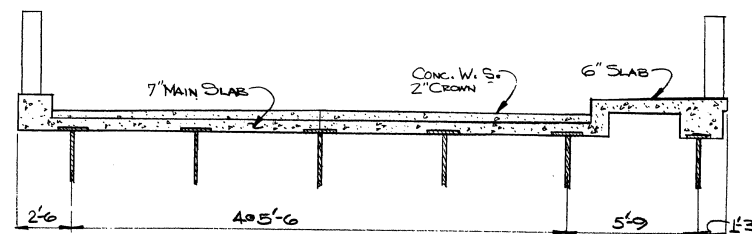
ANCHOR STUDS (MACH. BOLTS)
ARE OMITTED IN TOP VIEW.

SEE WELD DETAIL THIS SHEET

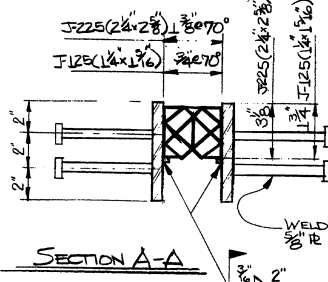


NOTE:
FACE OF CURB IS TO BE RECESSED 1/4"
FROM FACE OF CURB

ARMORED JOINT (3 REQ'D)

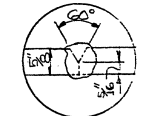


TRANSVERSE SECTION



SECTION A-A

WELD MACH. BOLTS TO
3/8" R AS SHOWN.



WELD DETAIL

100-440

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PRINCETON BRIDGE
OVER
WEST BRANCH ST. CROIX RIVER
IN THE TOWN OF
PRINCETON & INDIAN TWSP.
IN
WASHINGTON COUNTY
ARMORED JOINTS & SEALS
SHEET 1 OF 1 AUGUSTA, MAINE SEPT. 14, 1982