

**LIST OF SHEETS**

Sheet No	1	Plan
"	2	Profile
"	3	Special Details - Superstructure
"	4	S.I.B. 24-Sq.
"	5	S.B. 5C-Cable Guard Rail
"	6	S.B. 11-Barricades, Lights, Signs.

**LIST OF QUANTITIES**

Item No.	16	Structure Excavation	5	c.y.
"	41A	Concrete Class "A"	50	c.y.
"	42	Reinforcing Steel	11,500	Lbs.
"	43B	Steel Superstructure (90,000*)	1	L.S.

APPROVED: \_\_\_\_\_ 1939  
 DISTRICT HIGHWAY COMMISSIONER

CORRECT: \_\_\_\_\_ 1939  
*A.D. Bilup*  
 BRIDGE ENGINEER

APPROVED: Aug 14, 1939  
*H.C. Sargent*  
 COMMISSIONER OF HIGHWAYS

**ESTIMATED QUANTITIES**


**VENER PLANT BRIDGE**  
 HANCOCK, VT.  
 ST. FL. 5-C

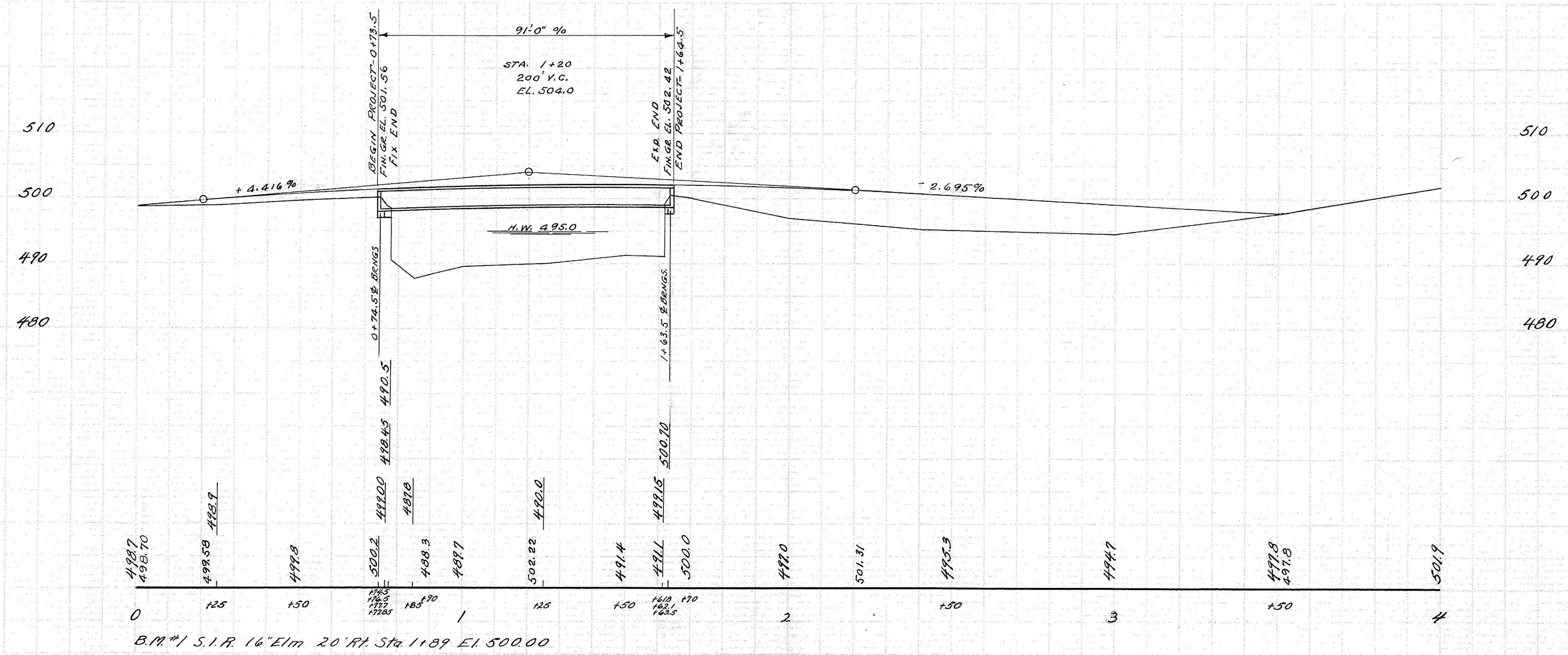
Surveyed by Barrett 7/39  
 Designed by  
 Drawn by M. Avoy 7/39  
 Traced by McAvoy 7/39  
 Checked by  
 Series JT, FL. No. 5-C  
 Sheet 1 of 6

Hancock Vener Plant Br.  
 No. 5-C  
 LENGTH 91' ML  
 YEAR 1939  
 DRAWN Over White Riv. easterly of the intersection of the Rochester-Hancock

Temporary Bridge  
 325'± from "A" Line

DATE: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 PROJECT: \_\_\_\_\_

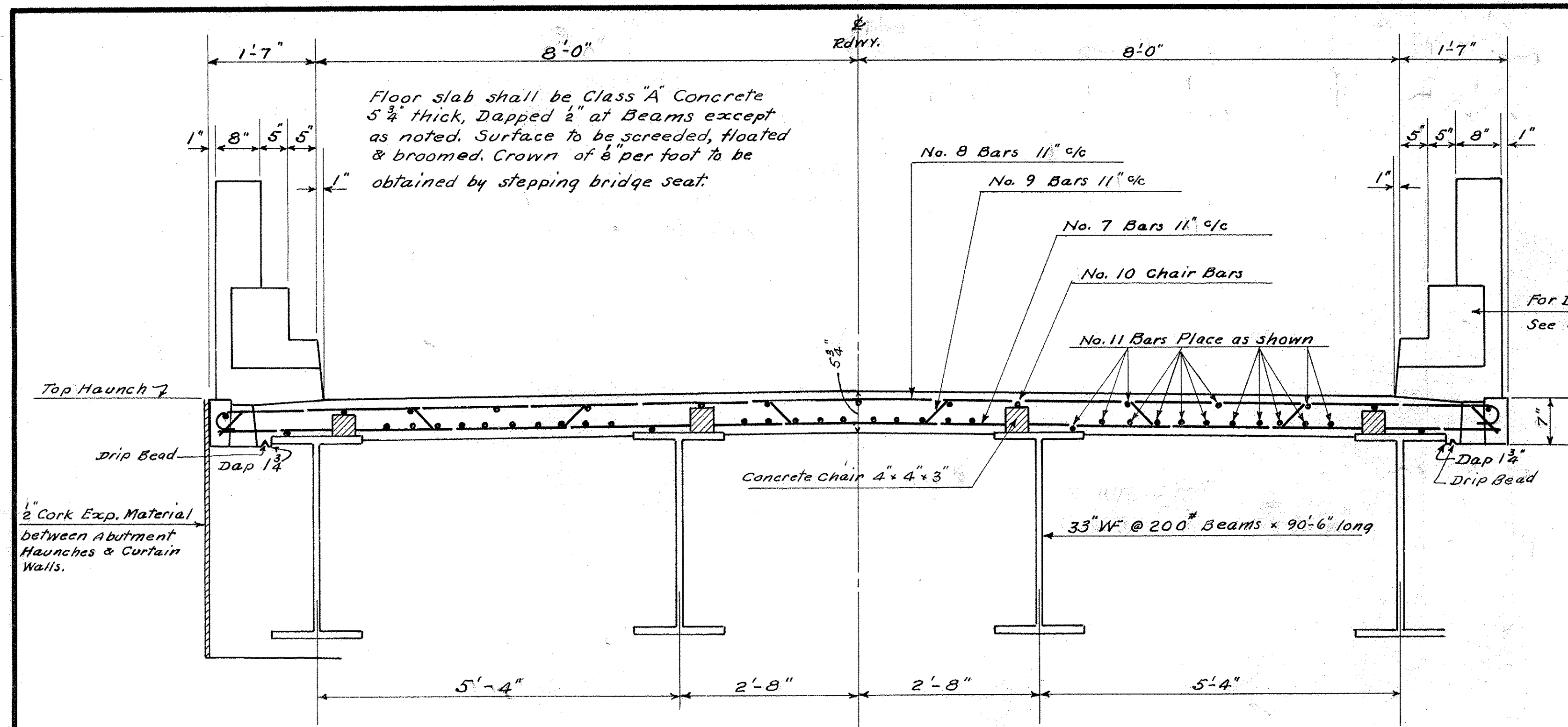
DATE: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 PROJECT: \_\_\_\_\_



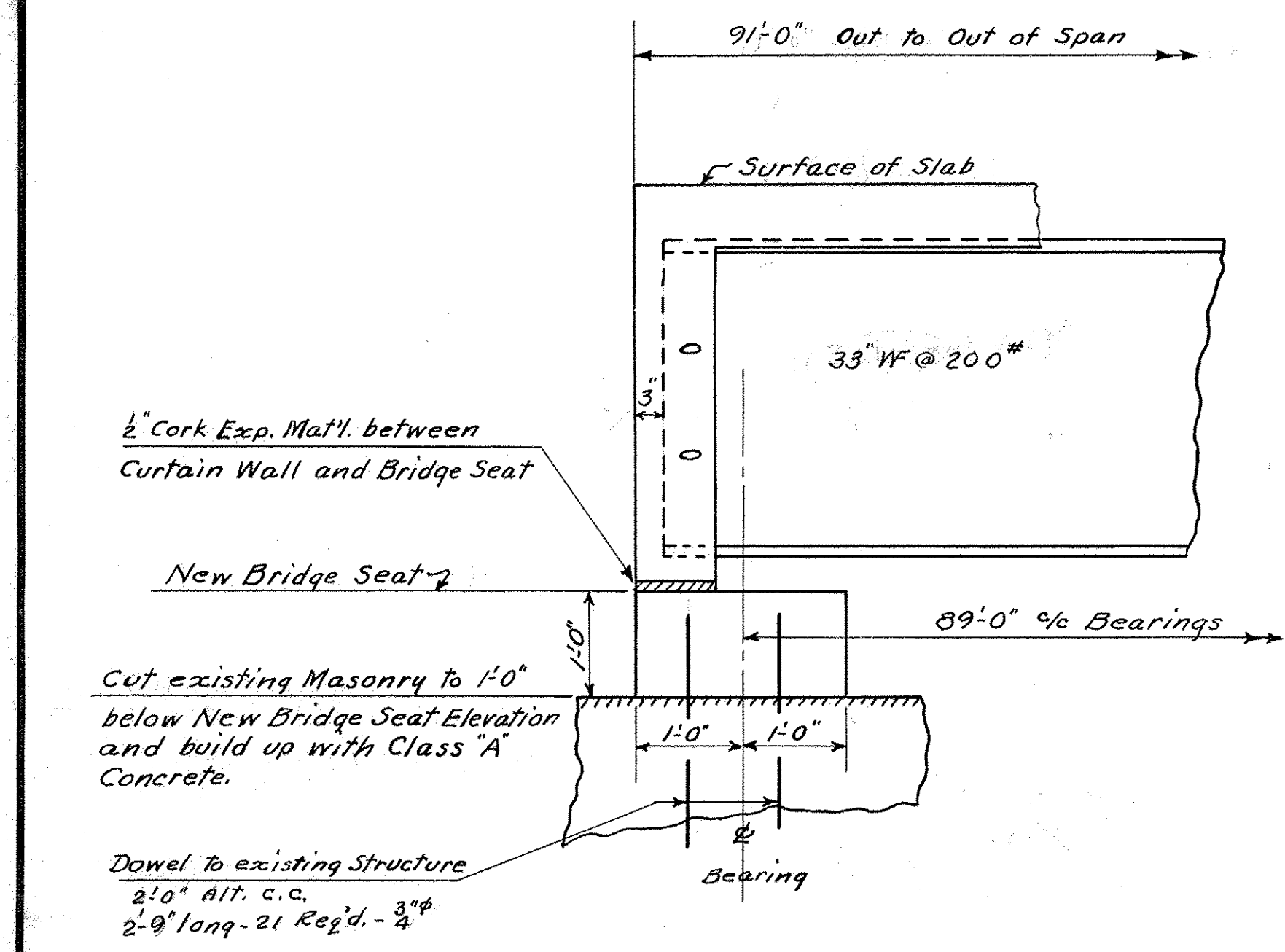
B.M. #1 S.I.R. 16" Elm 20' Rt Sta 1+89 El. 500.00

VENEER PLANT BRIDGE  
 HANCOCK, VT.  
 ST. FL. 5-C

SHEET 2 OF 6 SHEET



TYPICAL SECTION OF SUPERSTRUCTURE



DETAIL AT ABUTMENT

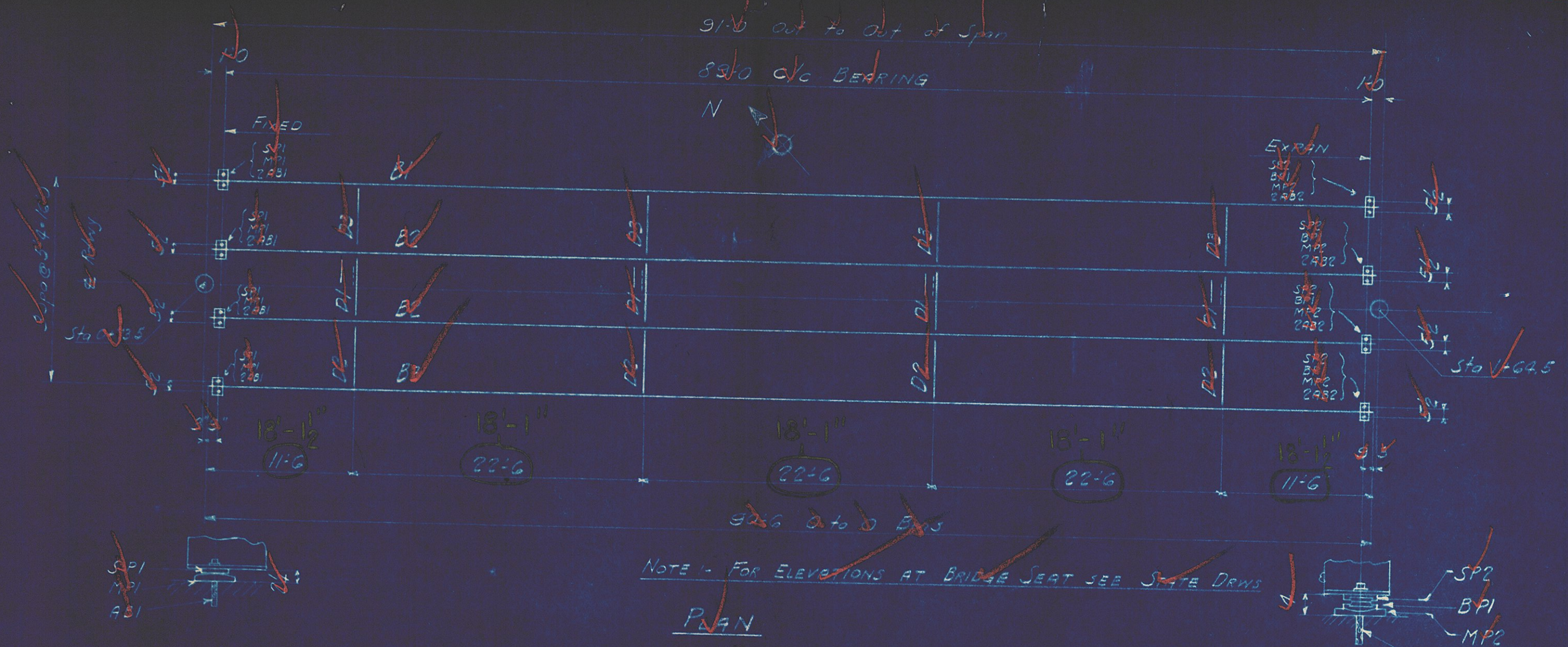
**NOTE:**  
 Use this Sheet in conjunction with Standard Sheets S.I.B. 24 and S.B. 5C.  
 For Details of Bearing Plates and Diaphragms, Curtain Walls, Notes, etc., see S.I.B. 24 sq.  
 On sheet S.B. 5C post spacing "D" for 91'-0" span equals 8'-6" 22 Posts required. Length of C.R. 4 Bar to be 24'-6".

REINFORCING STEEL	
Bar No. 7 - 1/2"φ Straight - Tot. Lqth. 18'-8" 100 Req'd.	Bar No. 8 - 1/2"φ - Tot. Lqth. 19'-10 1/2" 18'-2" 100 Req'd.
Bar No. 9 - 1/2"φ - Tot. Lqth. 19'-5 1/2" - 100 Req'd.	
Bar No. 10 - 3/4"φ - Straight - Tot. Lqth. 46'-0" 8 Req'd.	
Bar No. 11 - 1/2"φ - Straight - Tot. Lqth. 46'-3" 90 Req'd.	
Bar No. 12 - 3/8"φ Tot. Lqth. 7'-0" 34 Req'd. For location see Std. Sheet S.I.B. 24	
Bar No. 14 - 5/8"φ - Tot. Lqth. 18'-8" - Straight - 8 Req'd.	

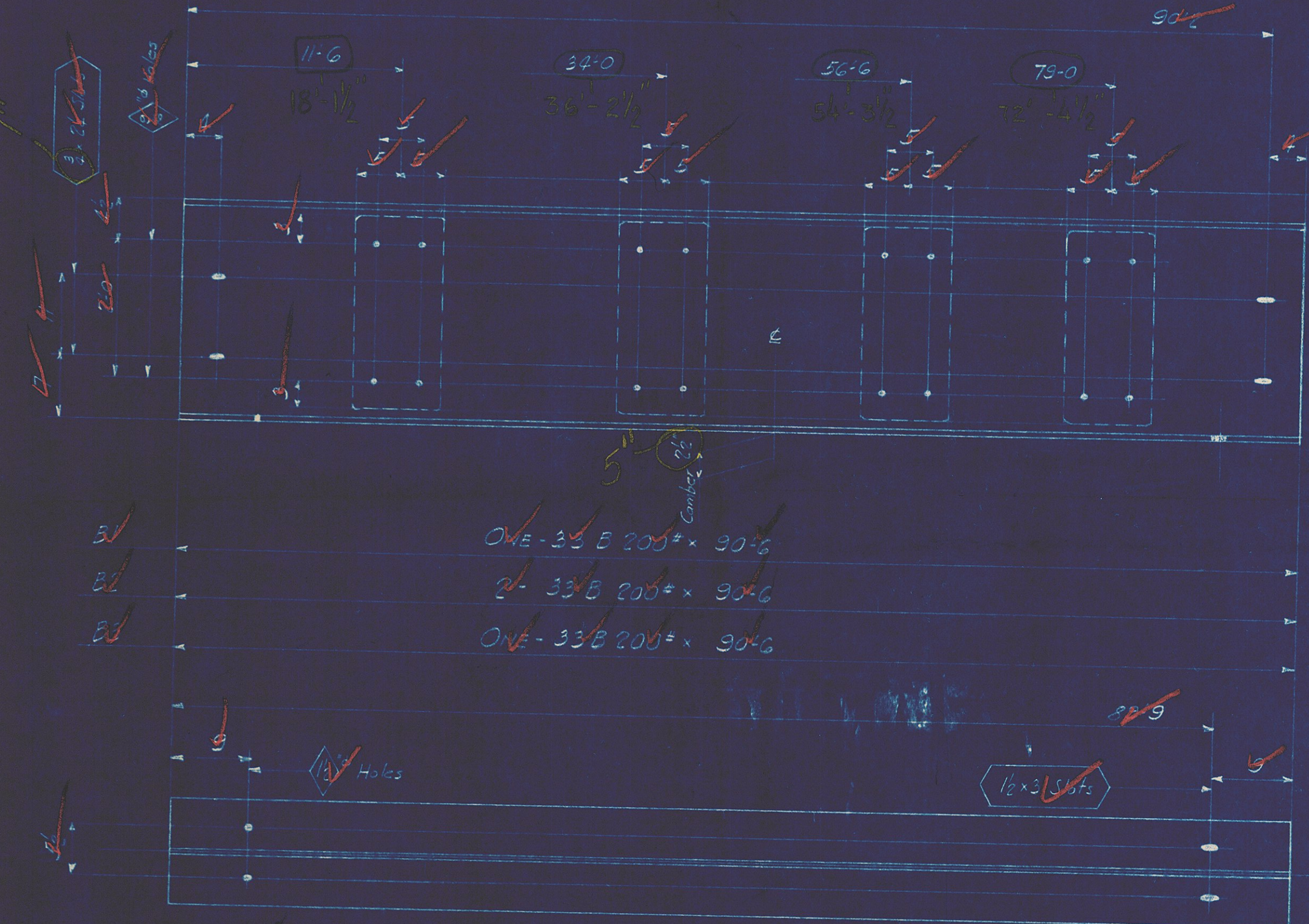
SPECIAL DETAILS  
 FOR  
 REBUILDING  
 VENEER PLANT BRIDGE  
 HANCOCK, VERMONT

ESTIMATED QUANTITIES			
SUPERSTRUCTURE		ABUTS. CAPS.	
Concrete Class "A"	35 c.y.	Concrete Class "A"	3 c.y.
Reinforcing Steel	7453 lbs.	Reinforcing Steel	87 lbs.
Steel Superstructure (15.52 @)	1 L.S.	Structure Excavation	5 c.y.
CURB & RAILING			
Concrete Class "A"	12 c.y.		
Reinforcing Steel	3960 lbs.		
Cable Guard Rail	182 L.F.		

Revised by W.A.S. 7-1-39  
 Surveyed by  
 Designed by W.H.D.  
 Drawn by W.H.D.  
 Traced by  
 Checked by  
 Series ST. FL. No. 5-C  
 Sheet 3 of 6 Sheets

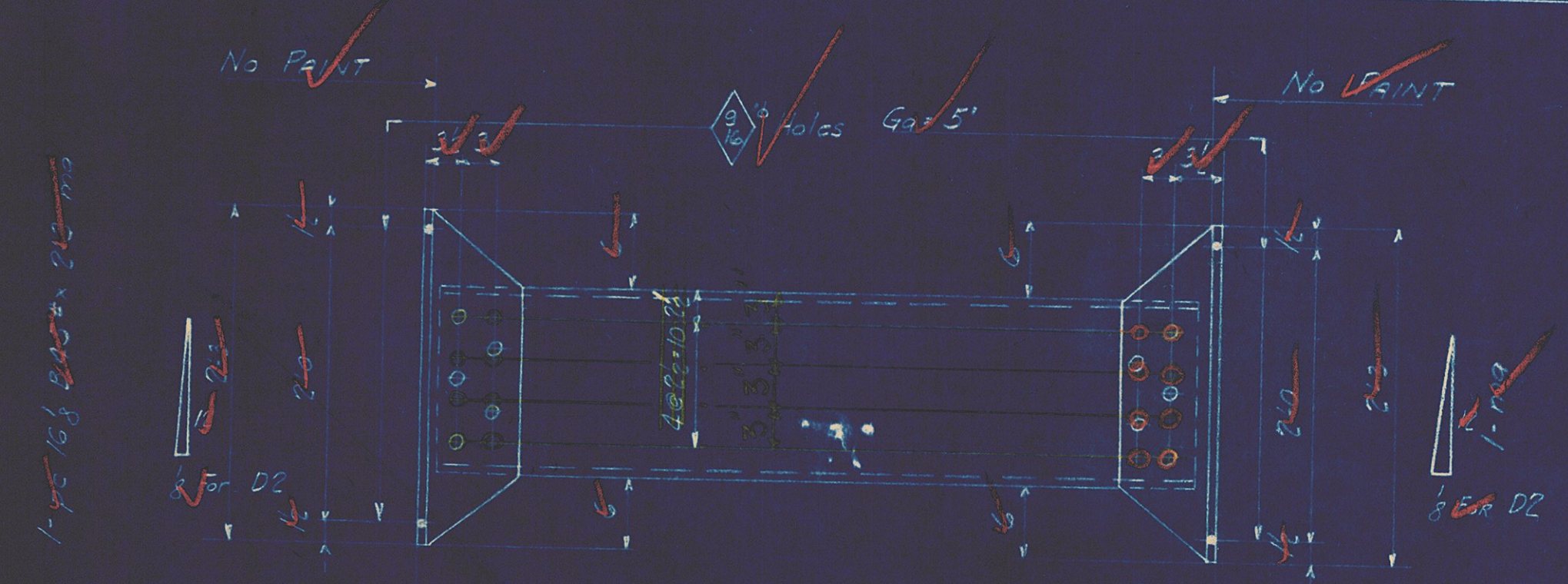


NOTE - FOR ELEVATIONS AT BRIDGE SEAT SEE STATE DRAWS  
 PLAN  
 90°

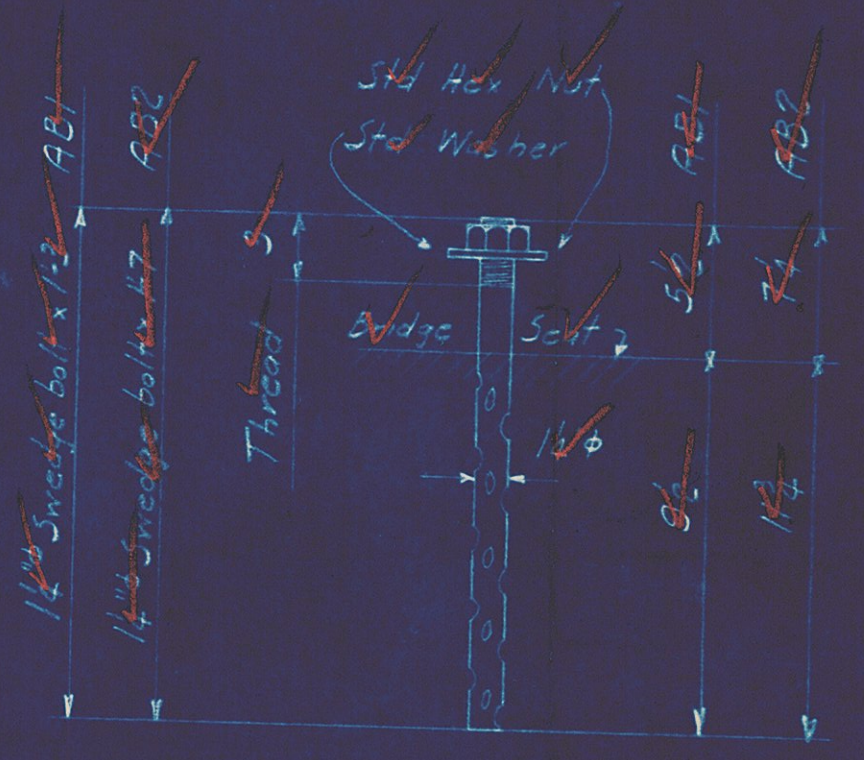
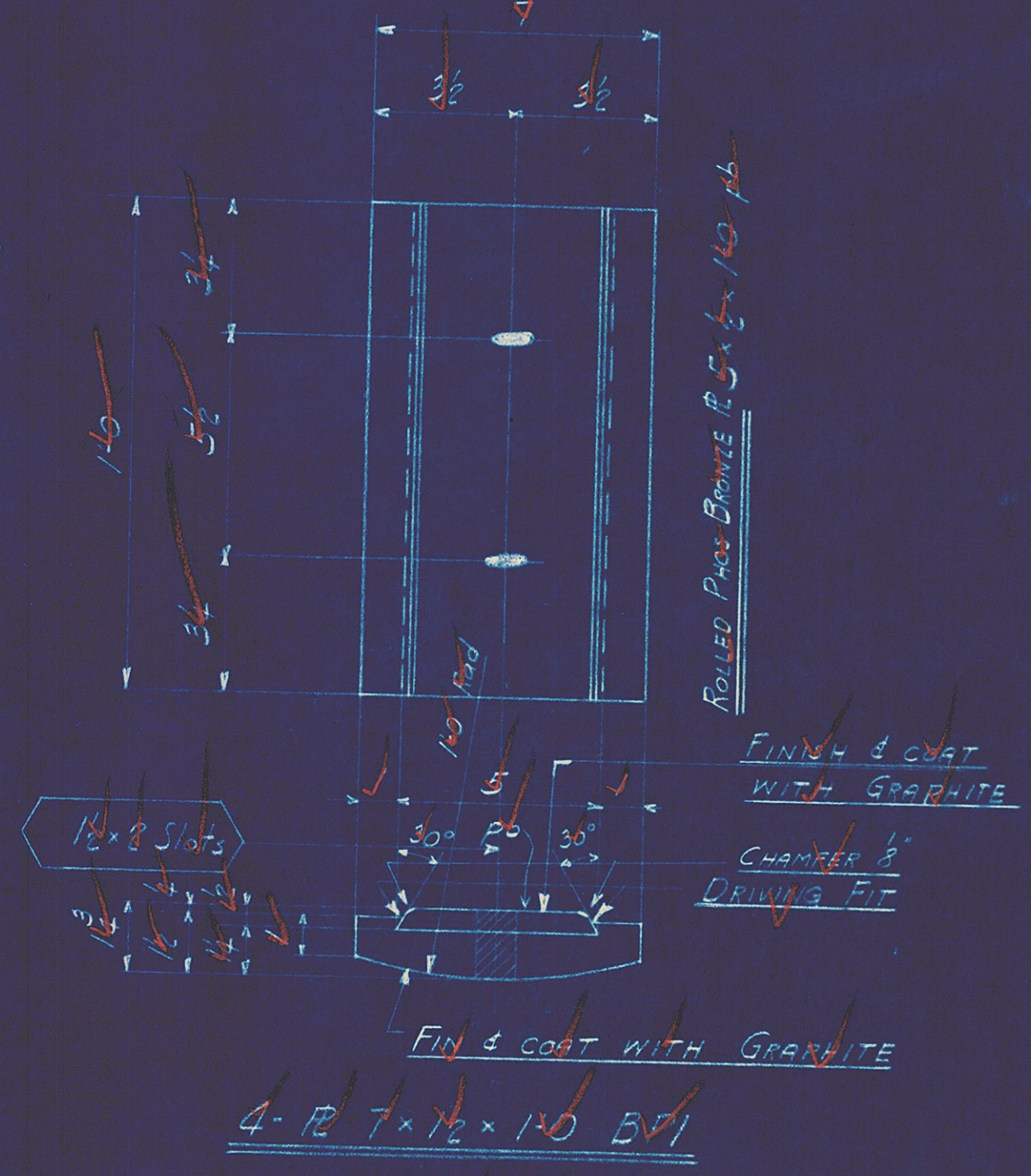
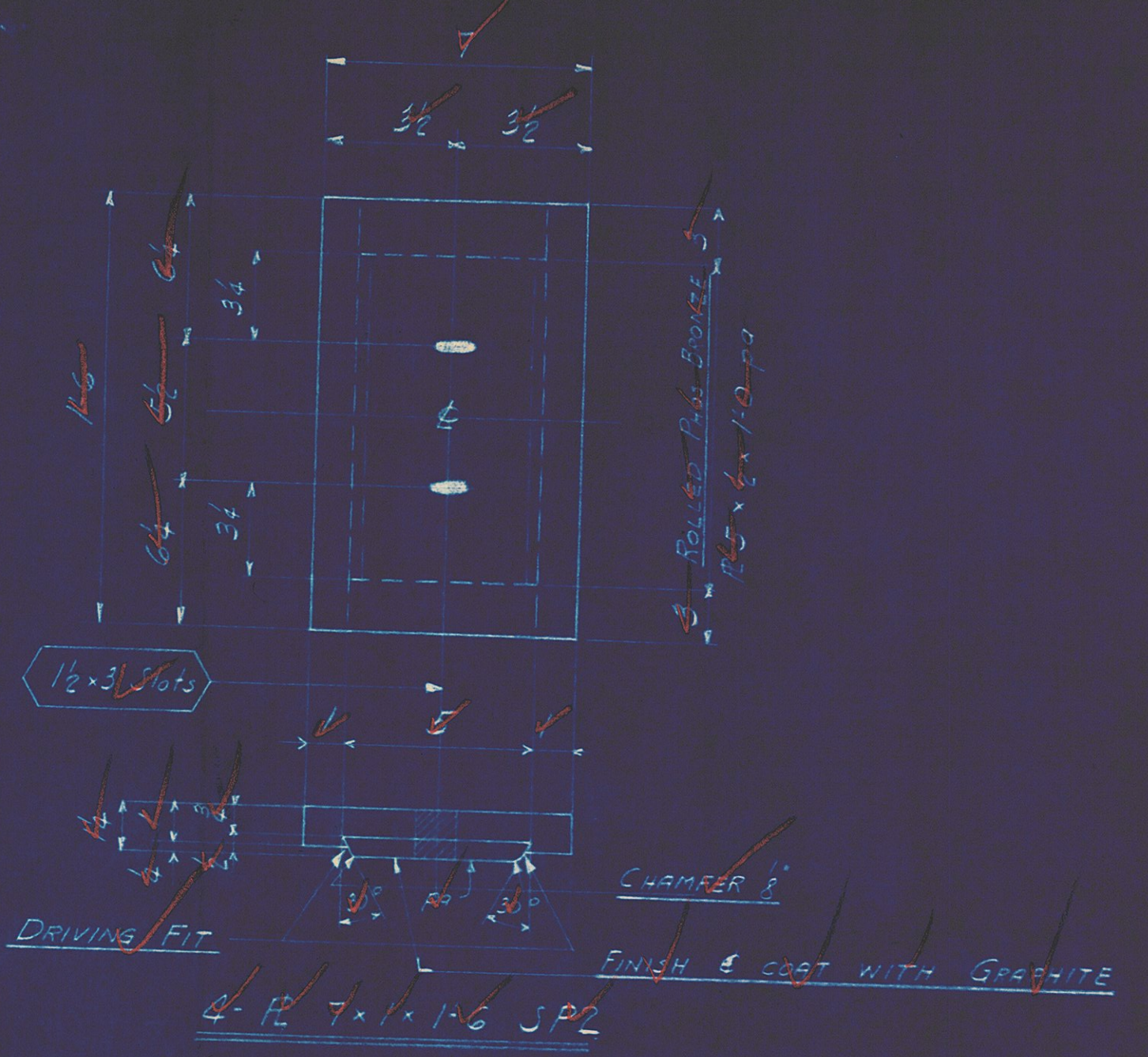
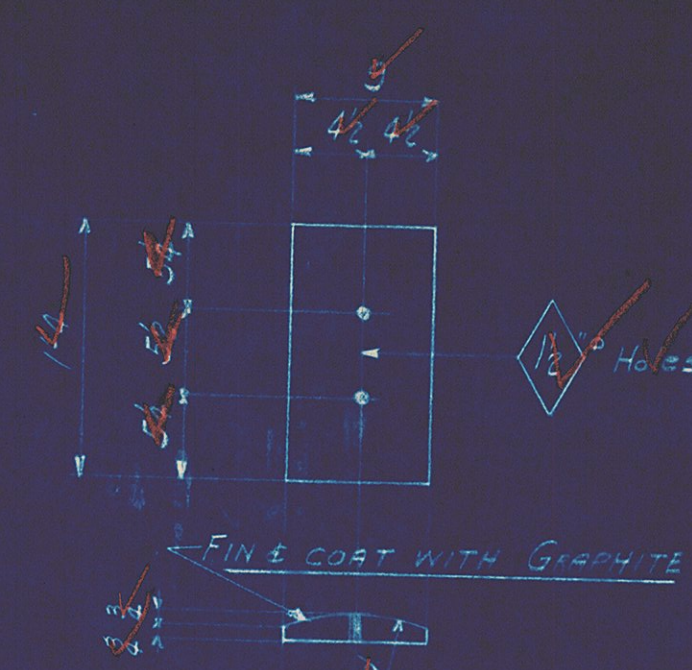
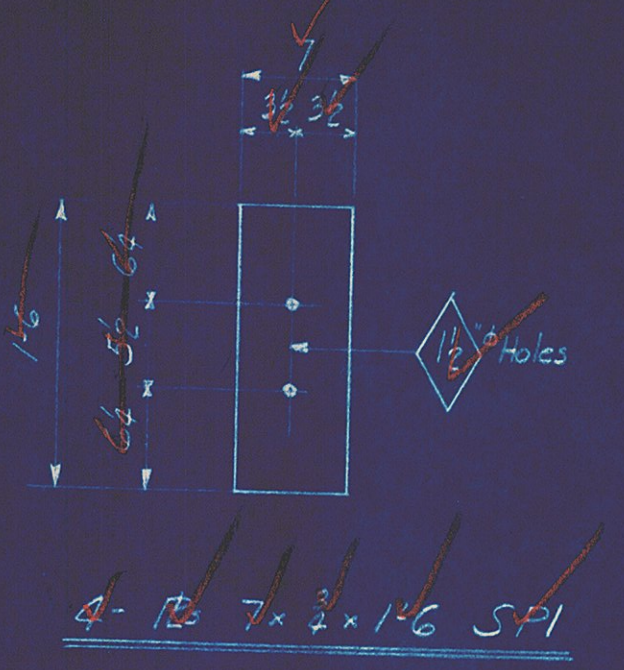


ONE - 33 B 200# x 30#  
 ONE - 33 B 200# x 30#  
 ONE - 33 B 200# x 30#

No PAINT  
 THESE AREAS (NS. FOR B1, Both Sides For B2, FS. FOR B3)

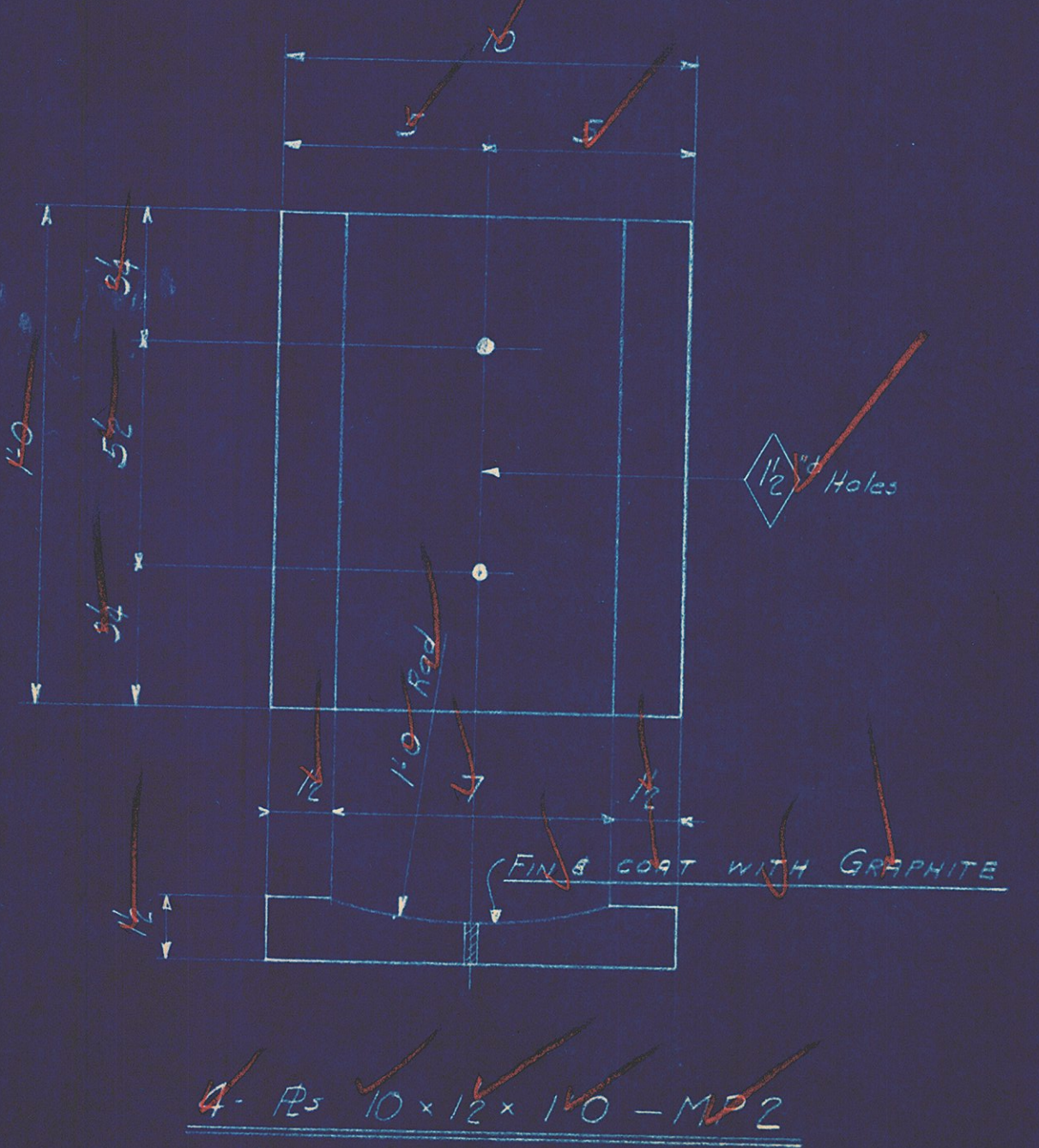


ONE - 15 E 33# x 5-3/4 (Cut 4 1/2)  
 ONE - 15 E 33# x 5-3/4 (Cut 4 1/2)  
 ONE - 15 E 33# x 5-3/4 (Cut 4 1/2)



8- ANCHOR BOLTS AB1  
 8- DO DO AB2

NOTES -  
 SPI & SP2 are to be welded to Beams in field using 1/2\"/>



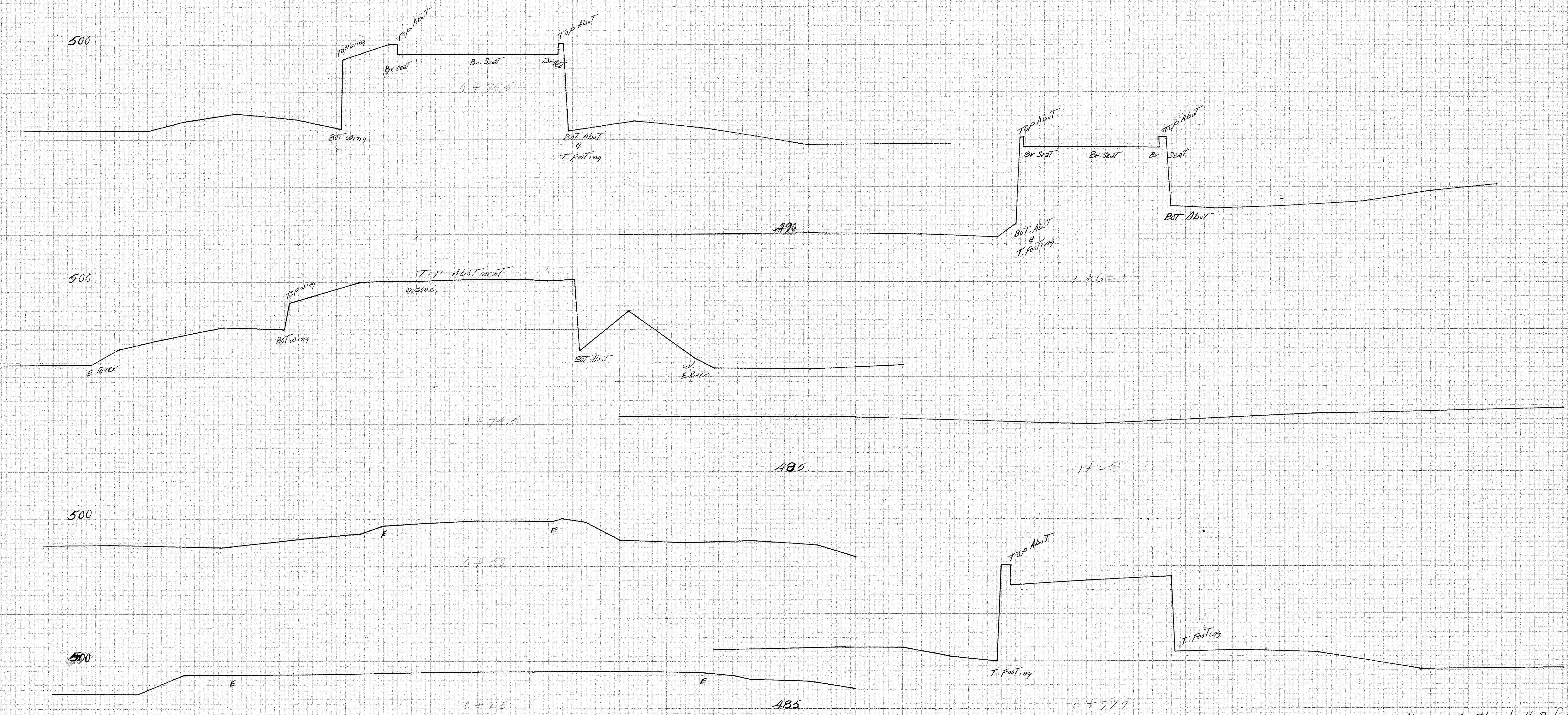
RIVETS 7/8"  
 OPEN HOLES As noted  
 REAM None  
 MILLING None  
 PAINT 1st Red Lead - See Vermont Dept of Highways 1936 spec  
 SHOP CONTACT SURFACES No Paint

TEMP.	
SUPT.	
LAYOUT	
FITTER	
SHOP INSP.	
PC. WK.	
B. SMITH	
MCH.	
ERECT.	
O. INSP.	

STEEL DETAILS & PLAN  
 VENEER PLANT BRIDGE  
 HANNOCK, VT.  
**BETHLEHEM STEEL COMPANY**  
 FABRICATED STEEL CONSTRUCTION  
 Drawings at Buffalo - Fabrication at Buffalo  
 IN CHARGE J. M. B. MADE BY F.C.  
 CHECKED BY J. M. B. TRACED BY  
 REVISED LAST ASSEM. MK.  
 SHOP NO. CONTRACT H.K. 702

L.M.B.  
 9/27/39

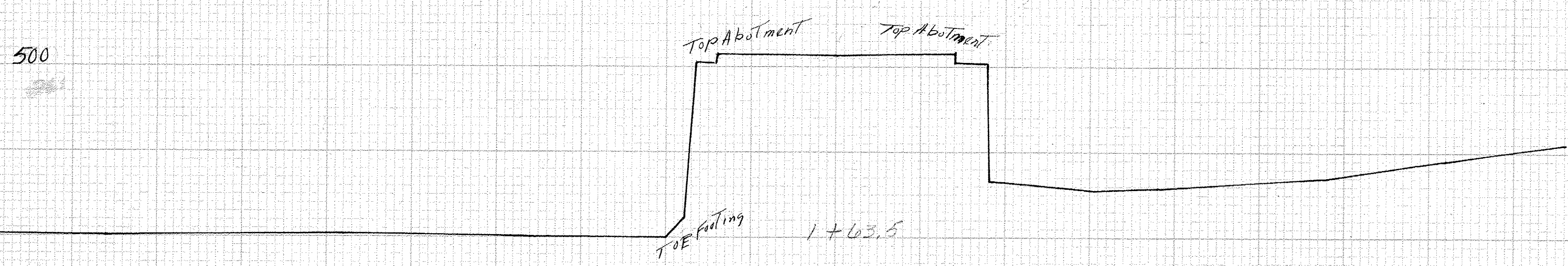
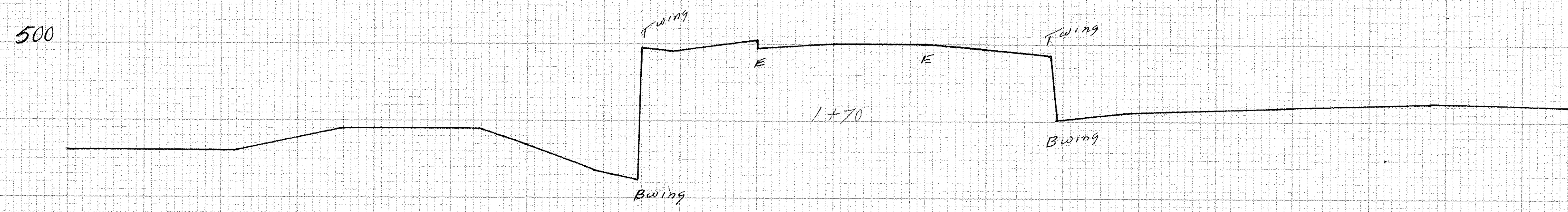
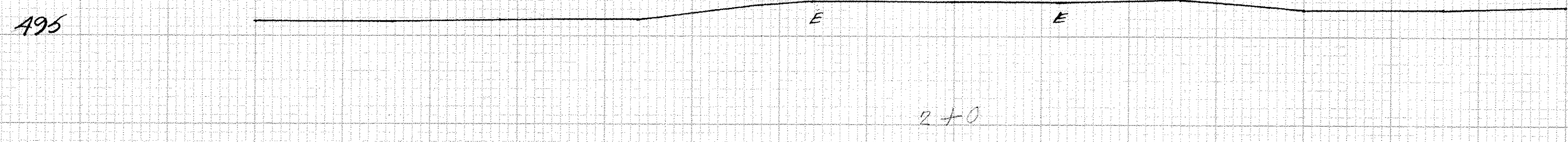
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	VT.				



Hancock - Churchville Bridge #5C

LEVELS BY Barrett  
 SECTIONS PLOTTED BY Kennedy CKD. BY [Signature]  
 PLANIMETERED BY CKD. BY [Signature]  
 EXAMINED BY  
 SERIES F NO. FILED  
 SHEET OF

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	VT.				



Hancock-Churchville Bridge #5C

LEVELS BY *Barrett*  
 SECTIONS PLOTTED BY *Kennedy* CKD. BY *WJH*  
 PLANIMETERED BY \_\_\_\_\_ CKD. BY \_\_\_\_\_  
 EXAMINED BY \_\_\_\_\_  
 SERIES F \_\_\_\_\_ NO. \_\_\_\_\_ FILED \_\_\_\_\_  
 SHEET \_\_\_\_\_ OF \_\_\_\_\_