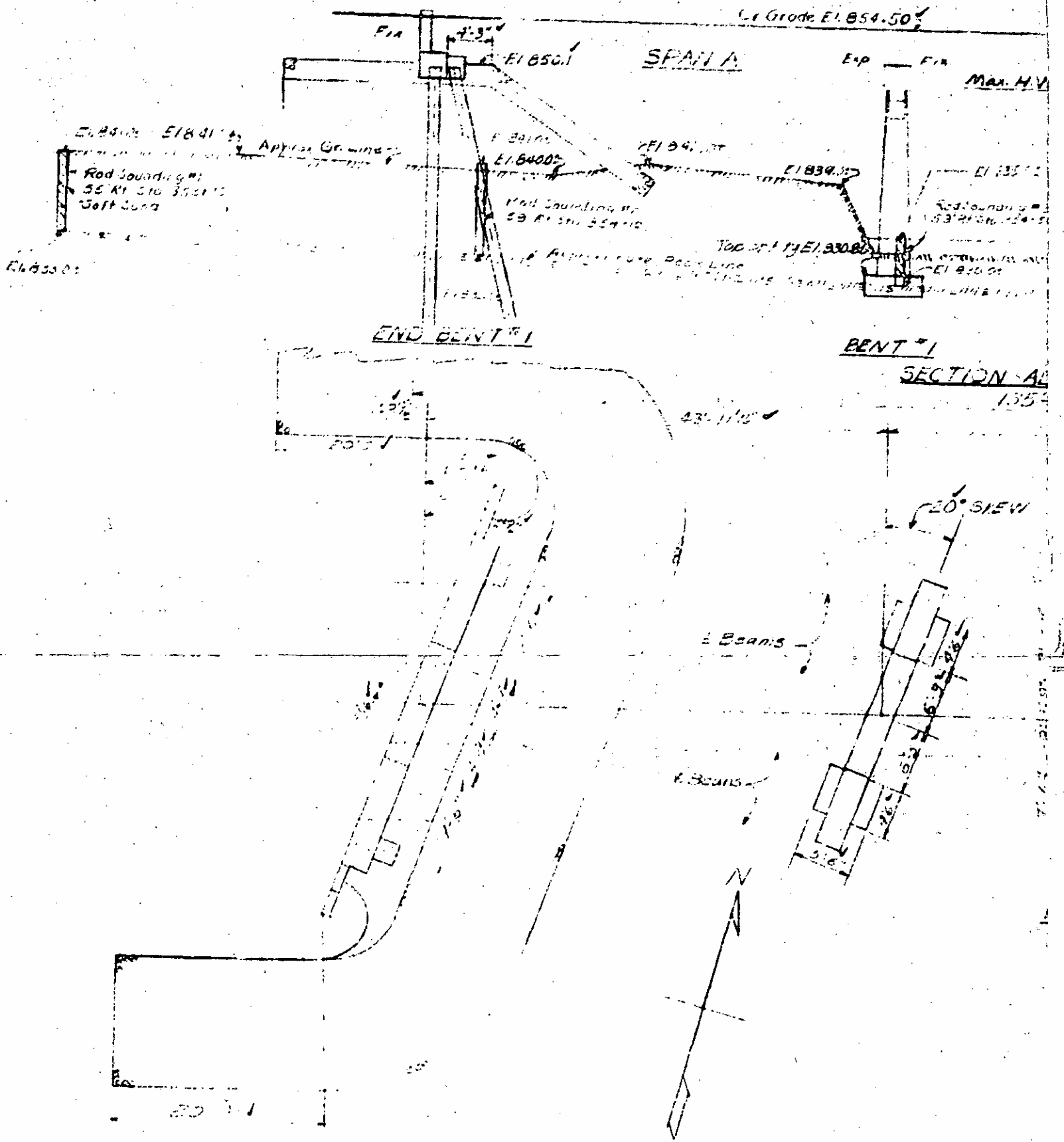
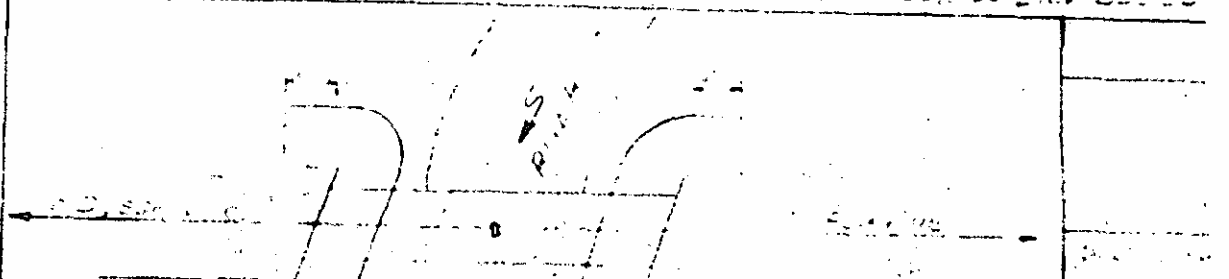


226-89-20

Rutherford

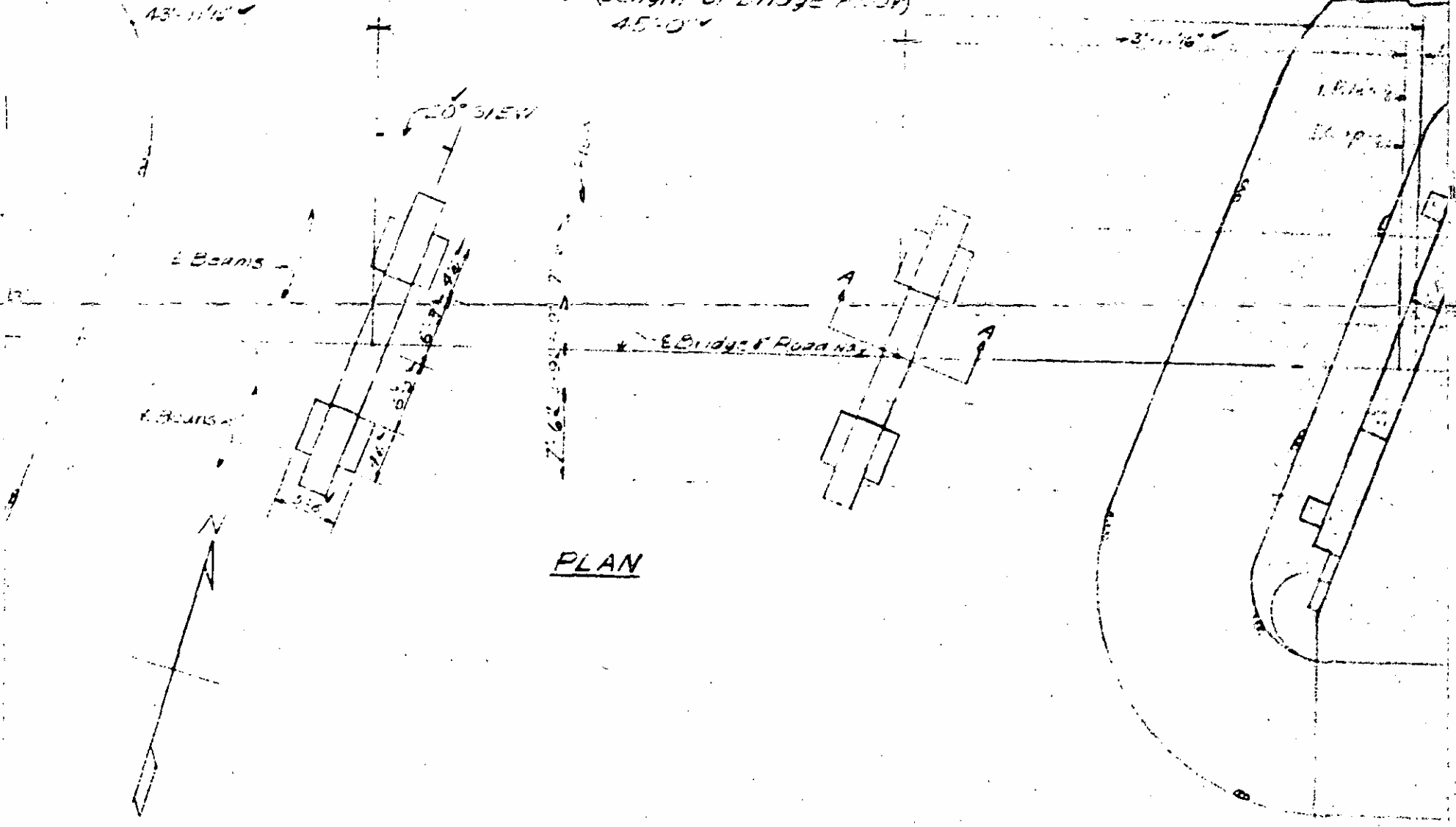
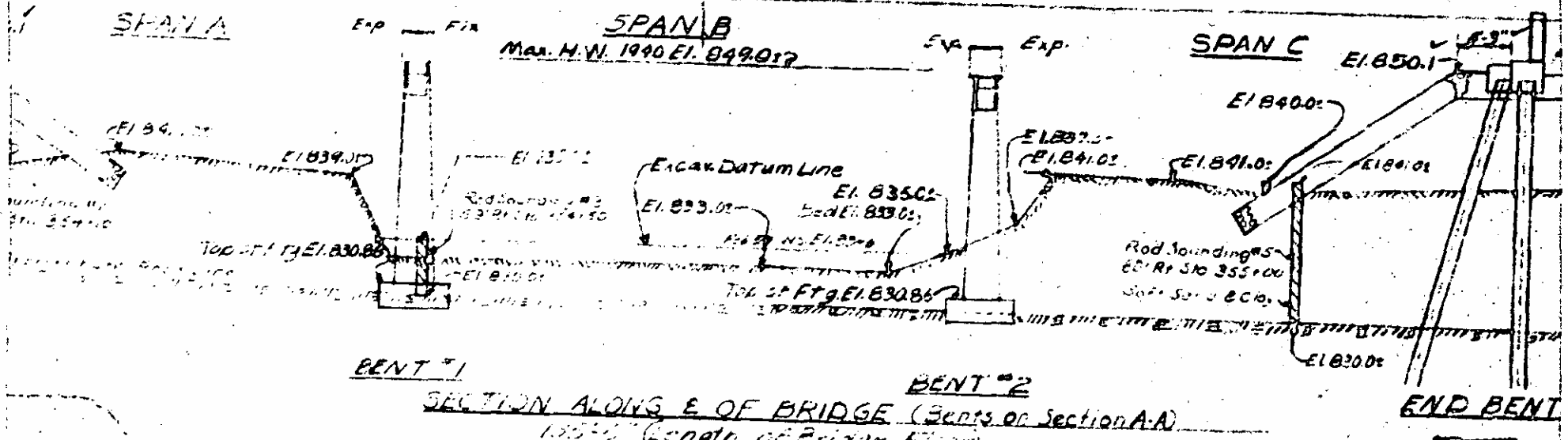


PLAN # 32 NOT TO SCALE S. TWIN FALLS BRIDGE 250' x 21' 5\"/>



S.E. Bridge  
Sta 354+72

L.C. Grade El. 854.50



5. Top of Ft. El. 830.86      65' Rt Sta 355+00      El. 830.86

NOTE: ELEVATION OF ORIGINAL

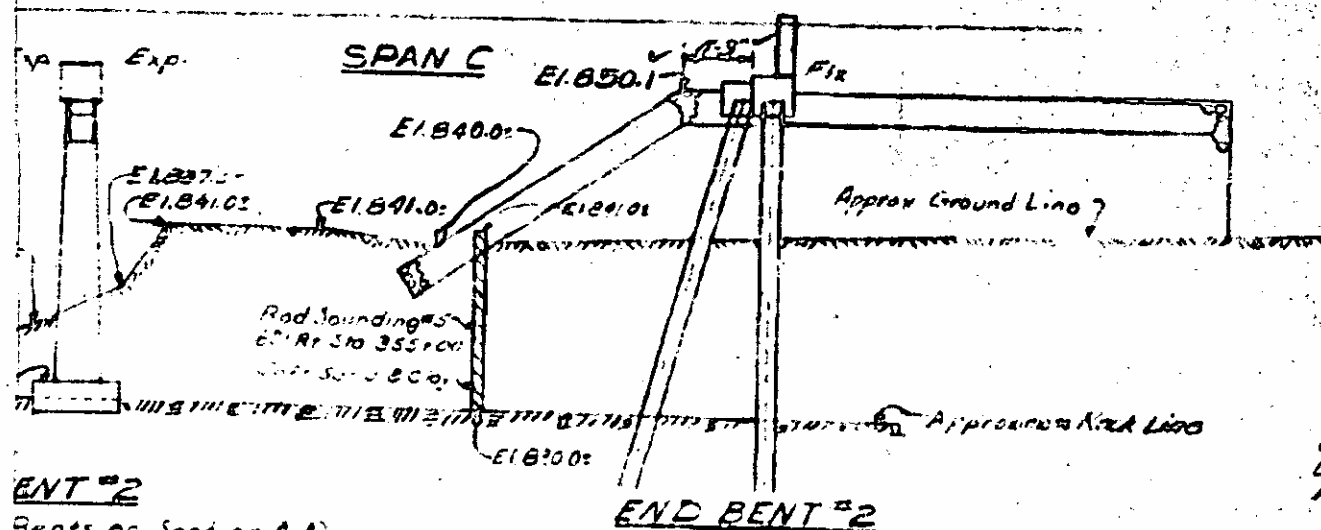
DATE: 1940

SCALE: 1" = 10'

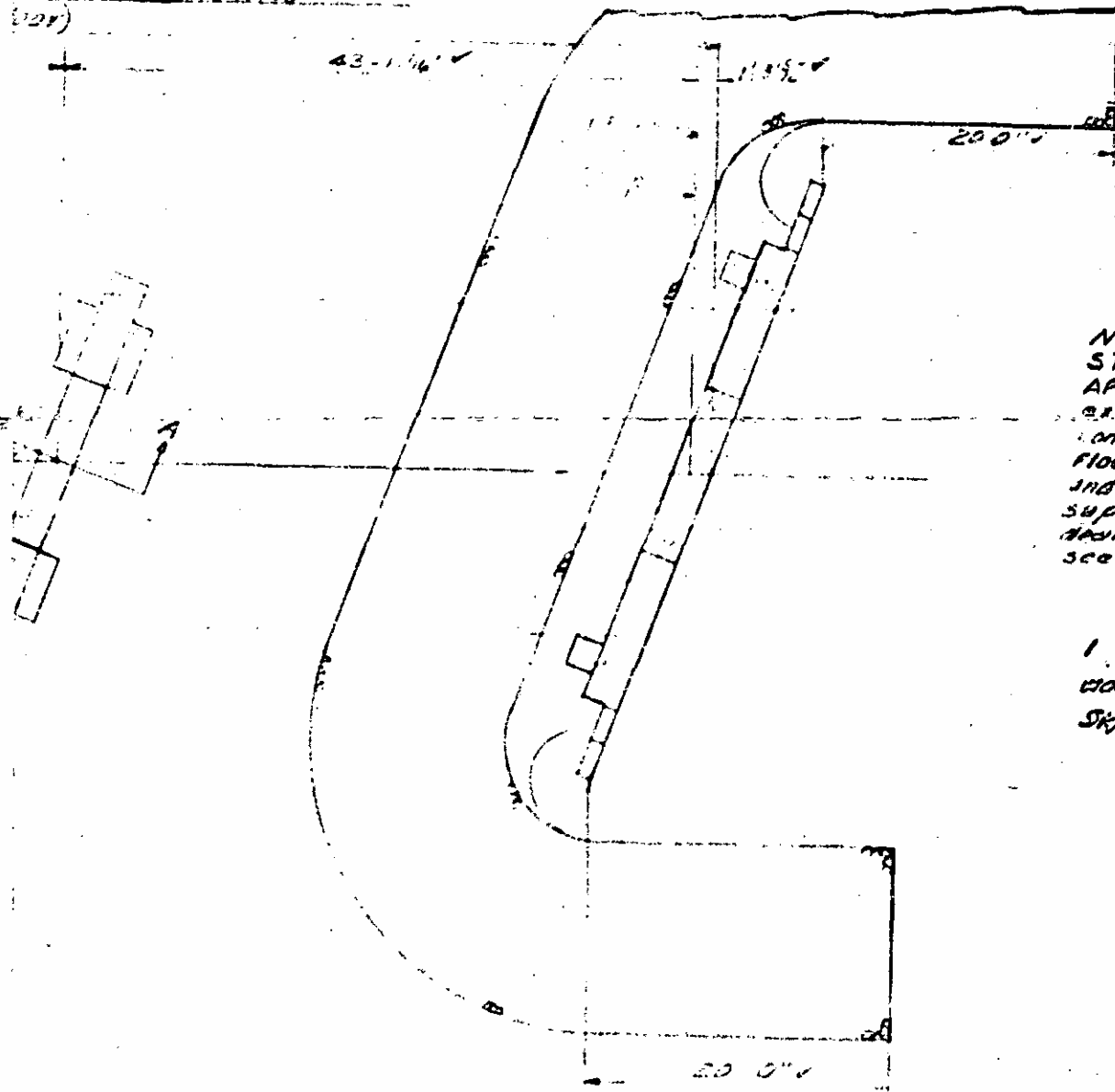
BY: [Signature]

CHECKED: [Signature]

DATE	BY	NO.
0	GA	1000
P.O. No. 5-0577		



**BENT #2**  
Bents on Section A-A  
(22)



Assumed Live Load 115.5

Computed Foundation Loads in  
Bents - 4 Tons Sq. Ft.

All END BENT Piles to be driven to  
minimum bearing capacity of 20 TONS  
each. Test pits will not be required.  
Order List to be based on Piles 5' C.M.  
for END BENT #10 C.D.

All footings to be supported by piles  
into rock with minimum depths  
shown.

For Serrano embankment require  
Special Provisions.

For other Design Data and General  
Notes see Sheet S-N.

End Bent piles to be driven through  
fill.

**MAINTENANCE AND REMOVAL OF EXISTING  
STRUCTURE.**

After serving as a temporary crossing over  
existing structure, located 300' down the  
roadway consisting of 20' OFF I Beam spans, 20'  
floor, clear roadway 17'6\"/>

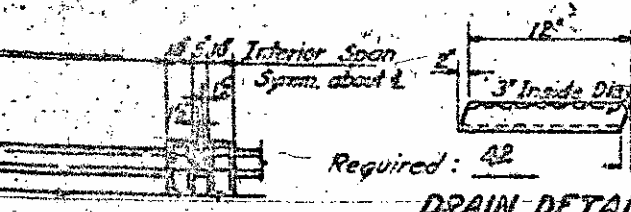
I hereby certify that this drawing  
was built according to plans:  
Signed: J. J. [Signature] Date: 5-20-57  
Eng. Reg. 12

**PROJECT NO. 2312**  
**MCDOWELL**  
**RUTHERFORD COUNTY**

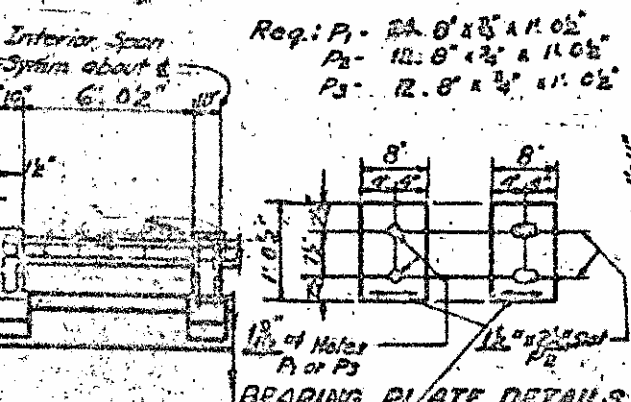
**STATION: 35.9+72**

DATE	BY	NO.	12 0 500
0	GA	1000	STREET H. PILES
			CUT-OFF
			LIN. P.P.
			86.50'

STATE OF NORTH CAROLINA  
STATE HIGHWAY AND  
PUBLIC WORKS COMMISSION  
GENERAL DRAWING  
FOR BRIDGE OVER NORTH

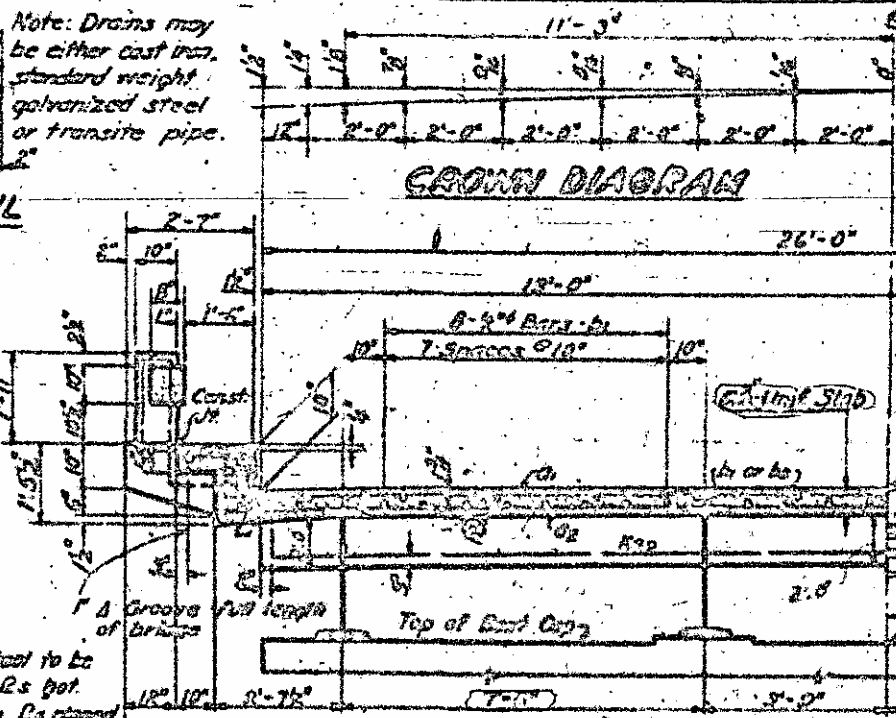


**DRAIN DETAIL**



**BEARING PLATE DETAILS**

In planing, cut of tool to be in this direction. P1, P2s hot straightened. P3 or P3s planed to finished thickness indicated. Polishing will not be required.



**CROWN DIAGRAM**

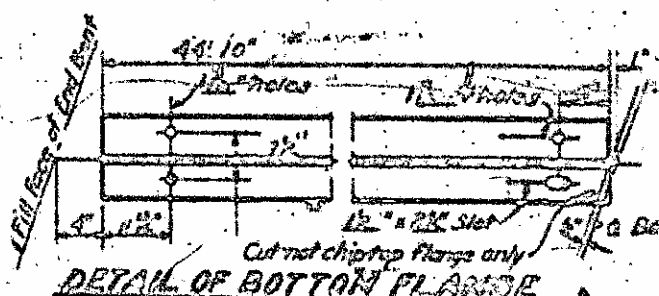
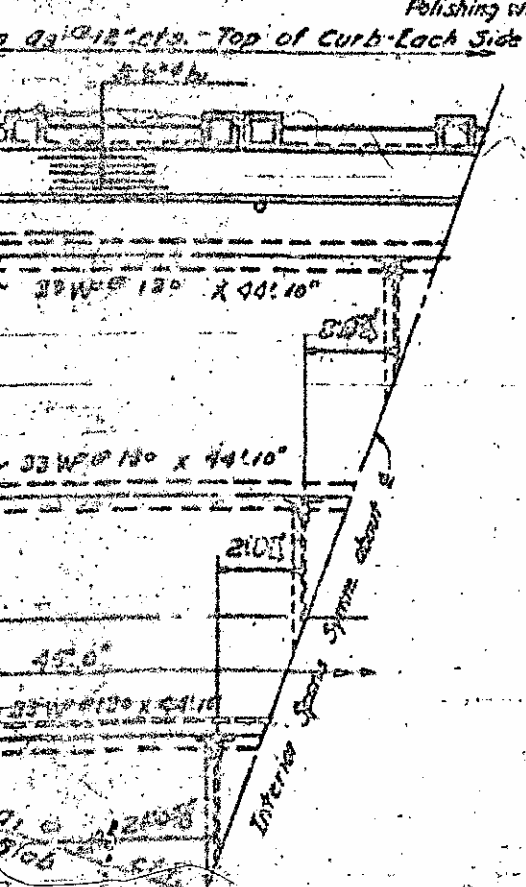
FILE NO.	DATE	PROJECT NO.	SCALE	BY
9	M. C.	8012-	1/4"	
I.A.P.D. 5-22(2)				

Assumed Live Load: 11.15 S/c

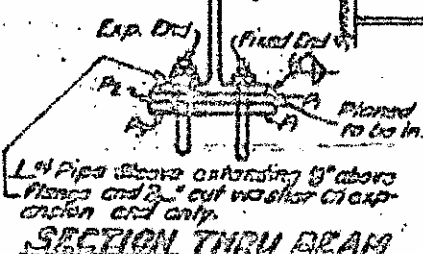
Note: For other design data and general notes, see Sheet.

**HALF-INTERIOR SECT.**

**HALF-END VIEW**



Note: At the Contractor's option, shop connections of split 10" W x 20" D channels may be either welded or riveted using 3/8" dia. bolts. Field connections of channels to beams shall be bolted using 3/4" turned bolts, Dardet rivet bolts or approved eqvt.



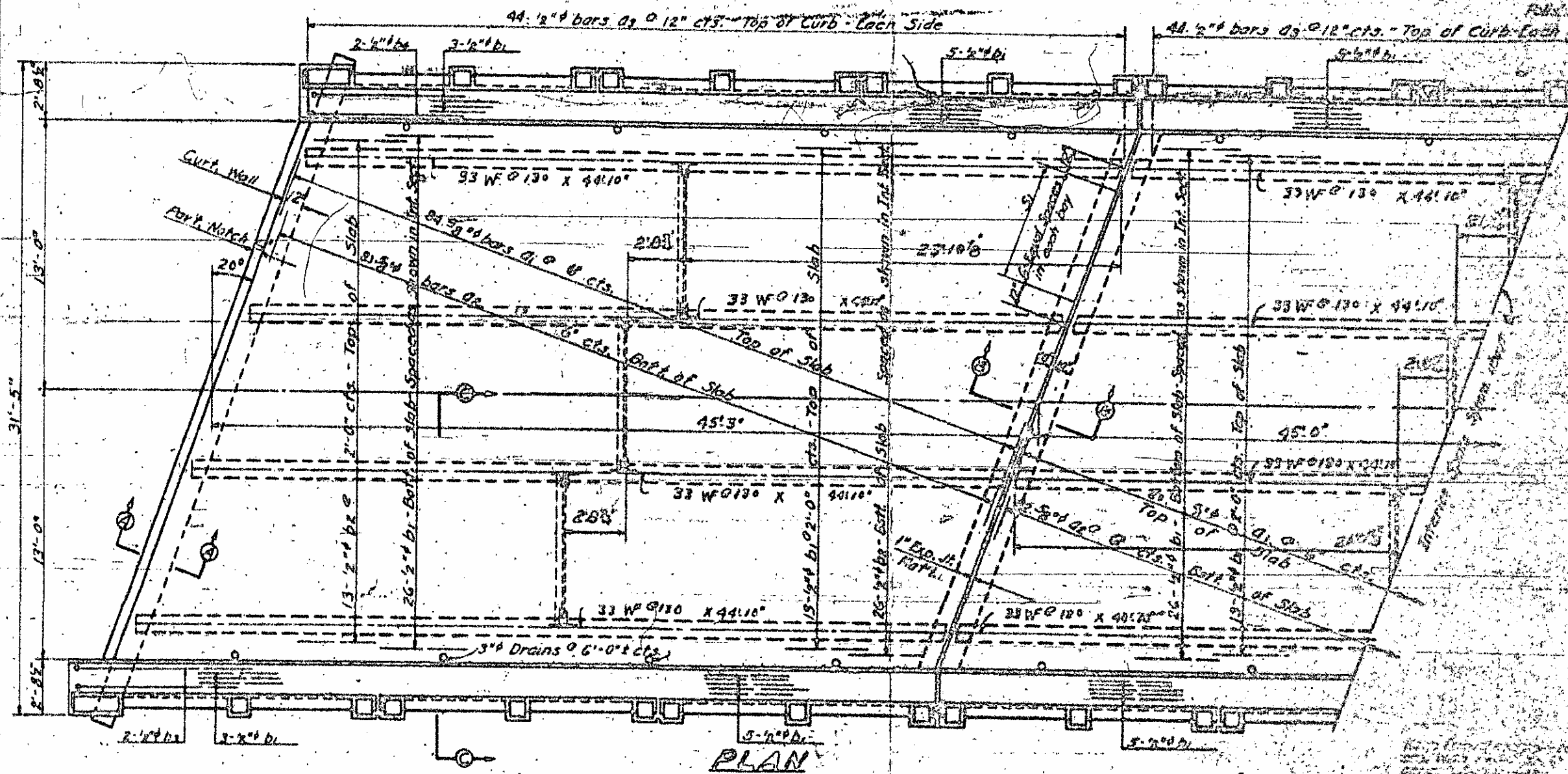
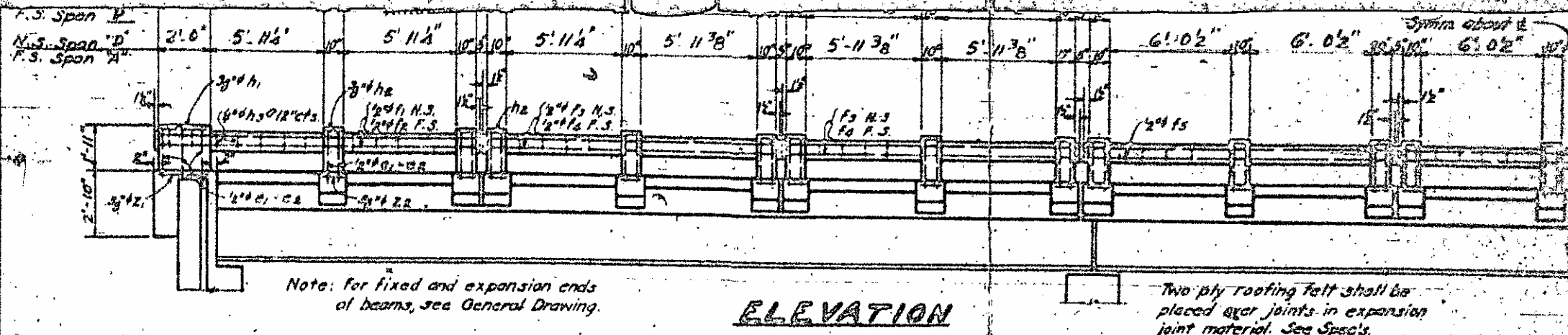
**BILL OF MATERIAL FOR THIRTE SPANS @ 45'-0"**

Qty	No.	Size	Type	Length	Weight
81	200	5 1/2"	L	20.5'	7330
81	200	5 1/2"	STL	20.5'	7800
81	200	5 1/2"	B	20.5'	570

**SECTION C-C**

Maximum Dead Load Deflection 1/16"

**SECTION X-X**



This bar to be shifted as necessary to clear name plate.

