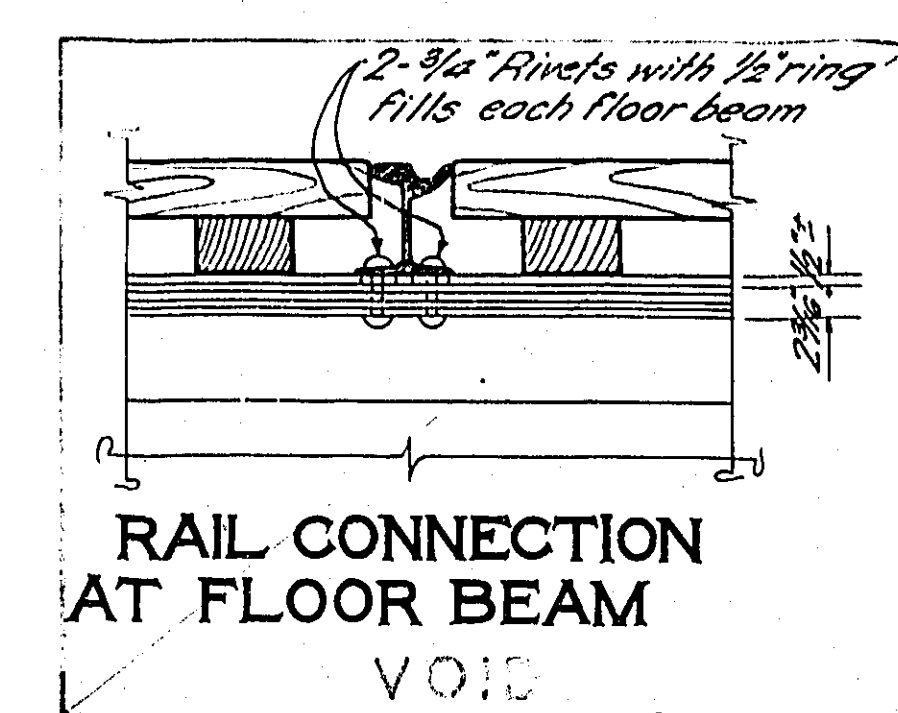
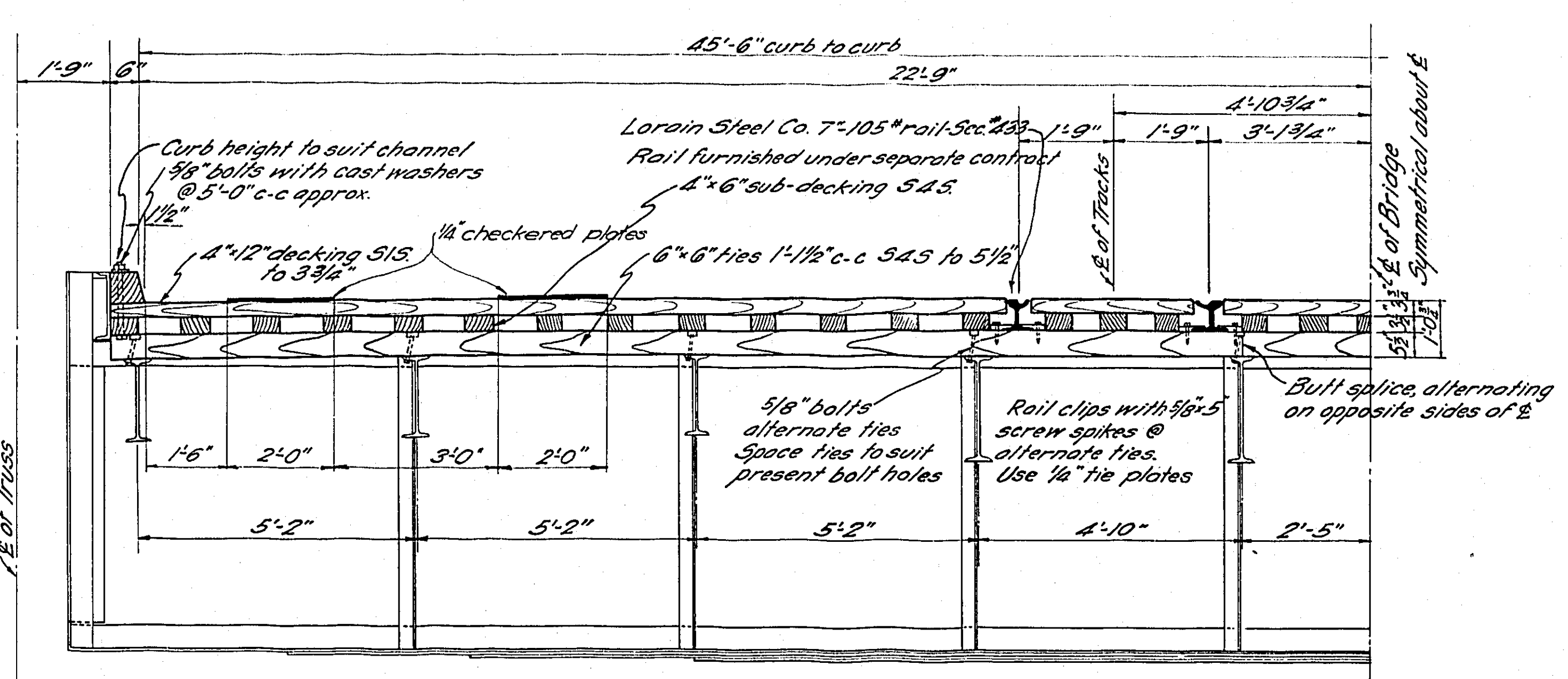
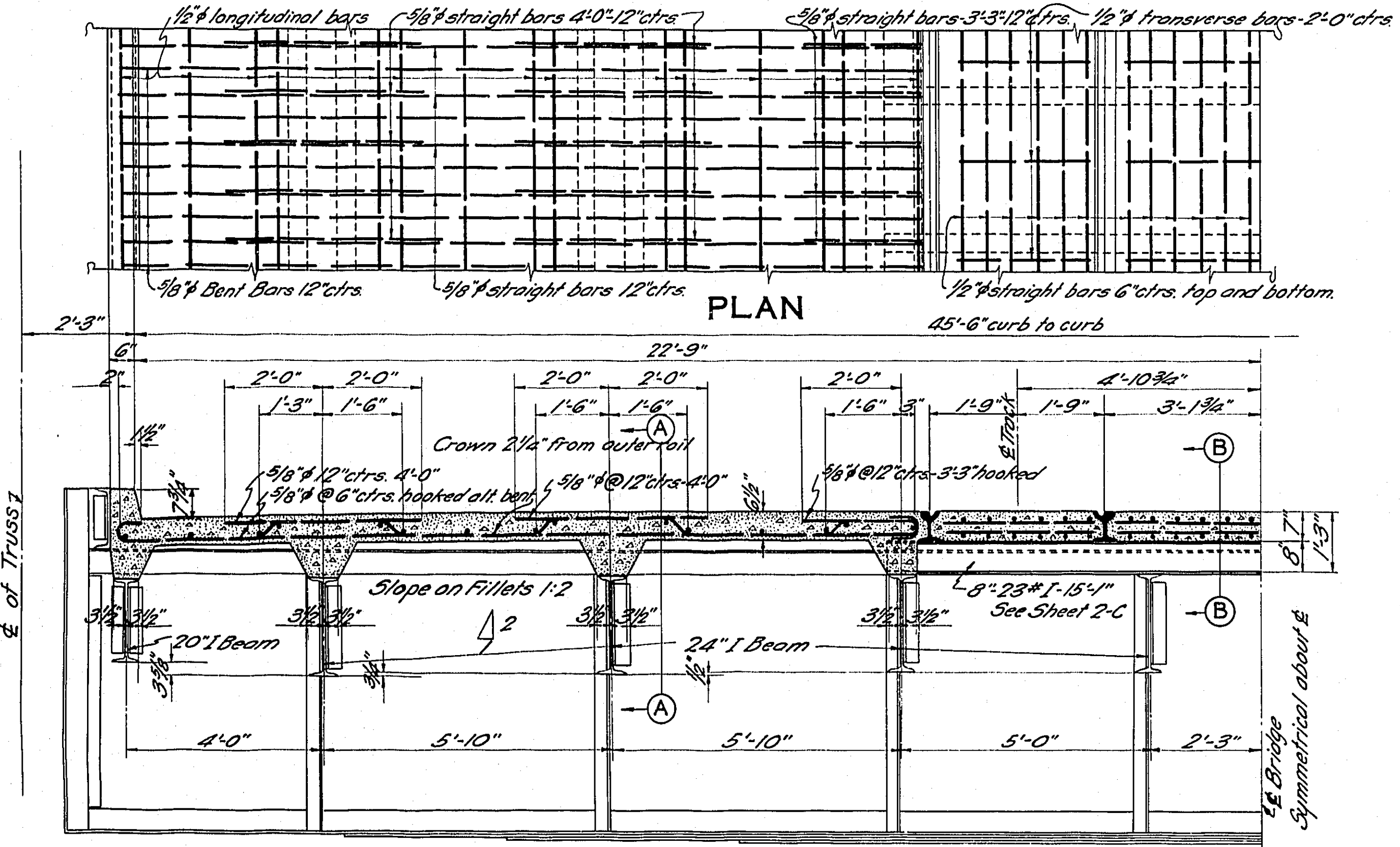
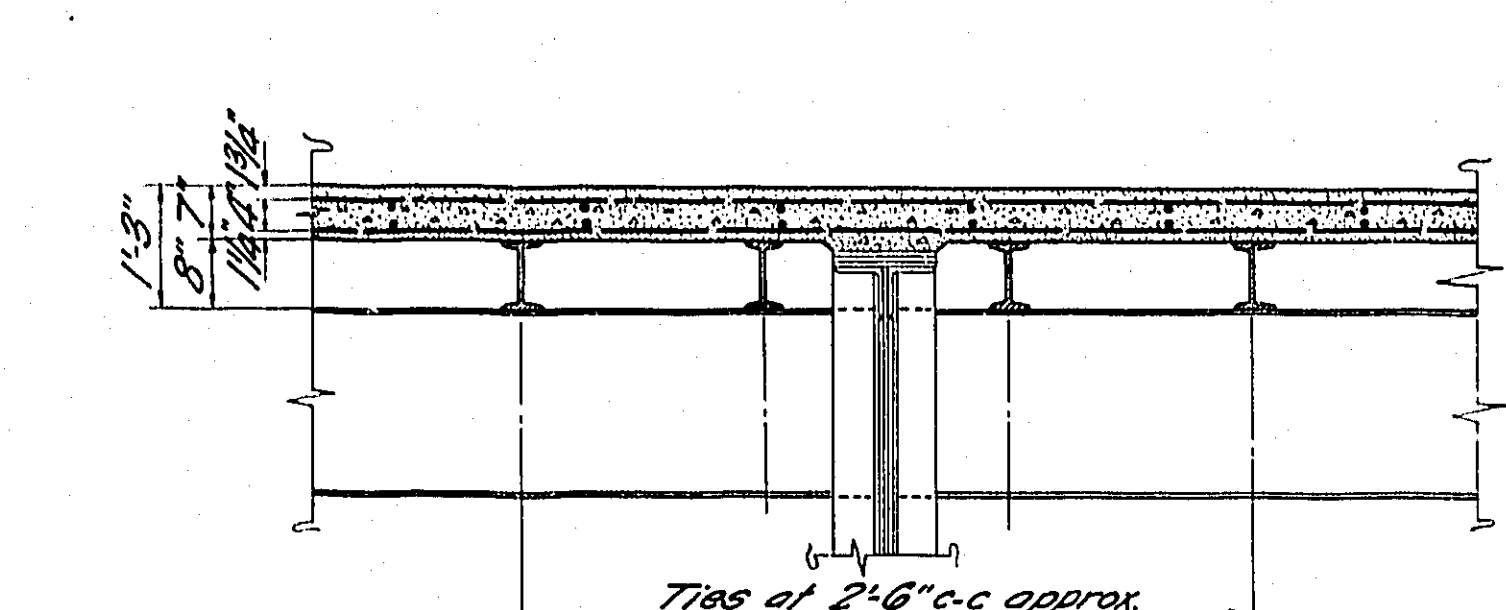
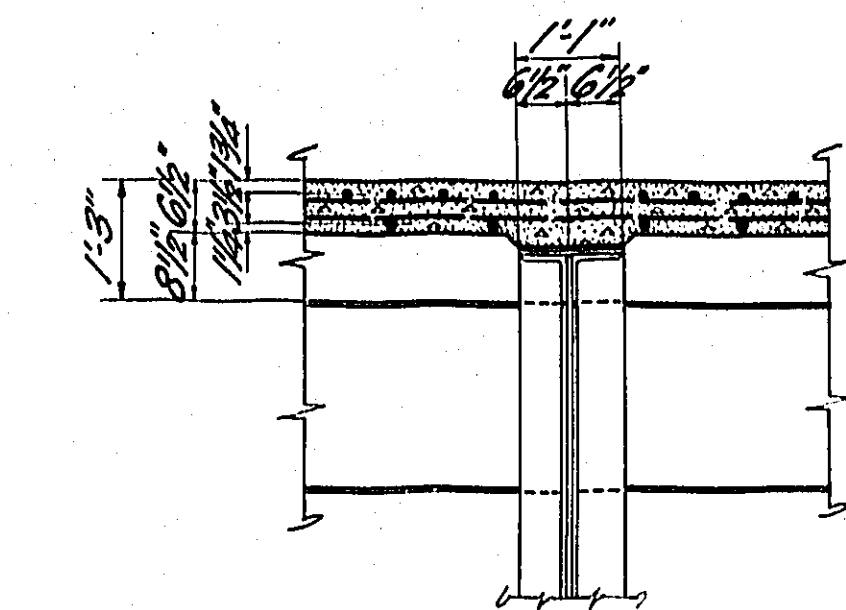
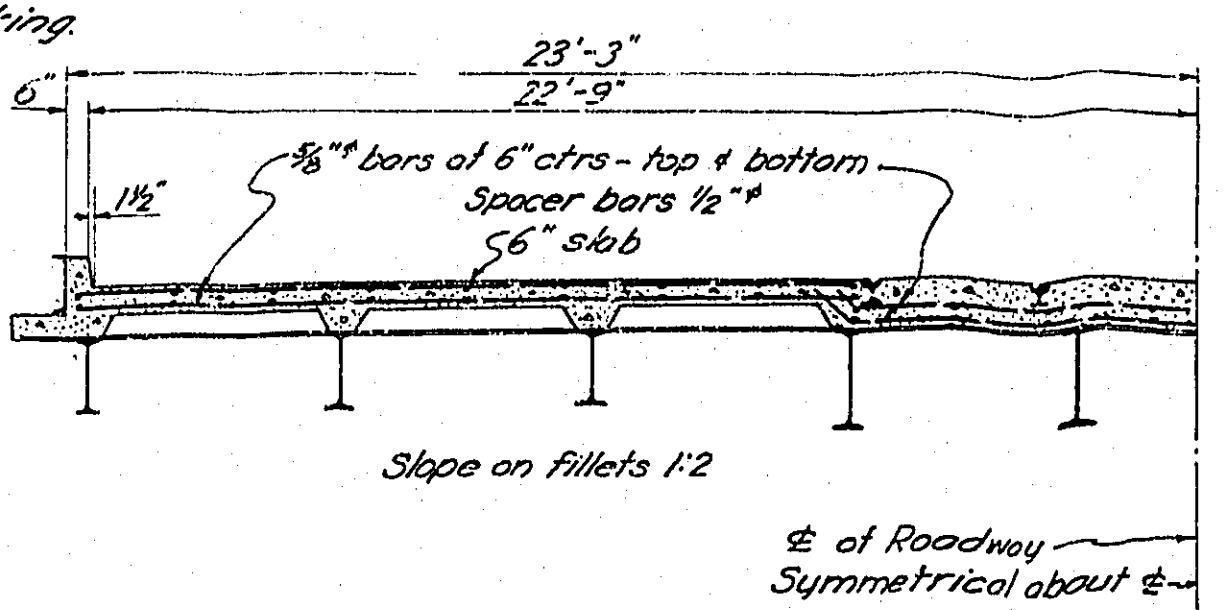
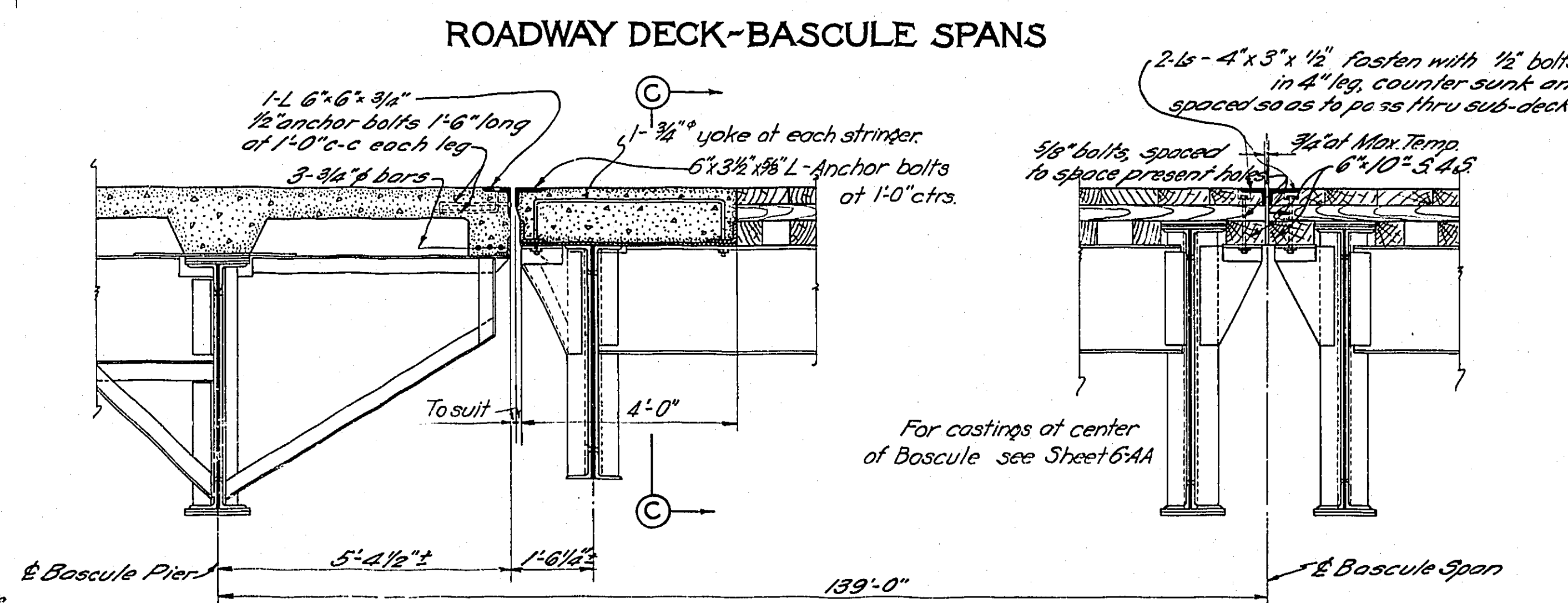


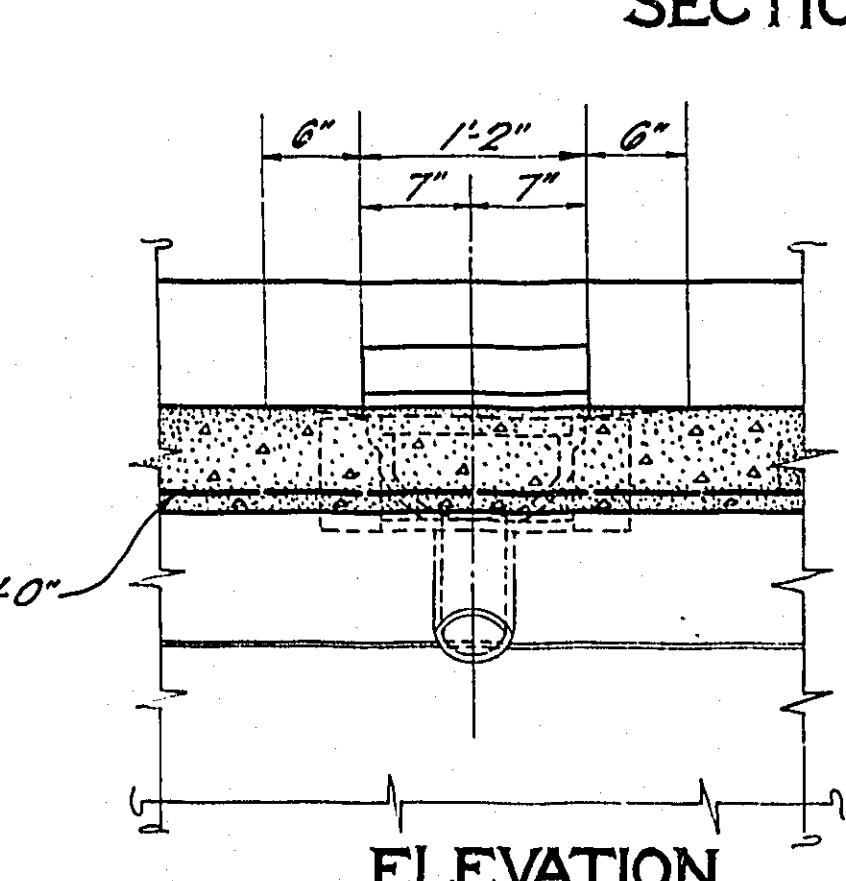
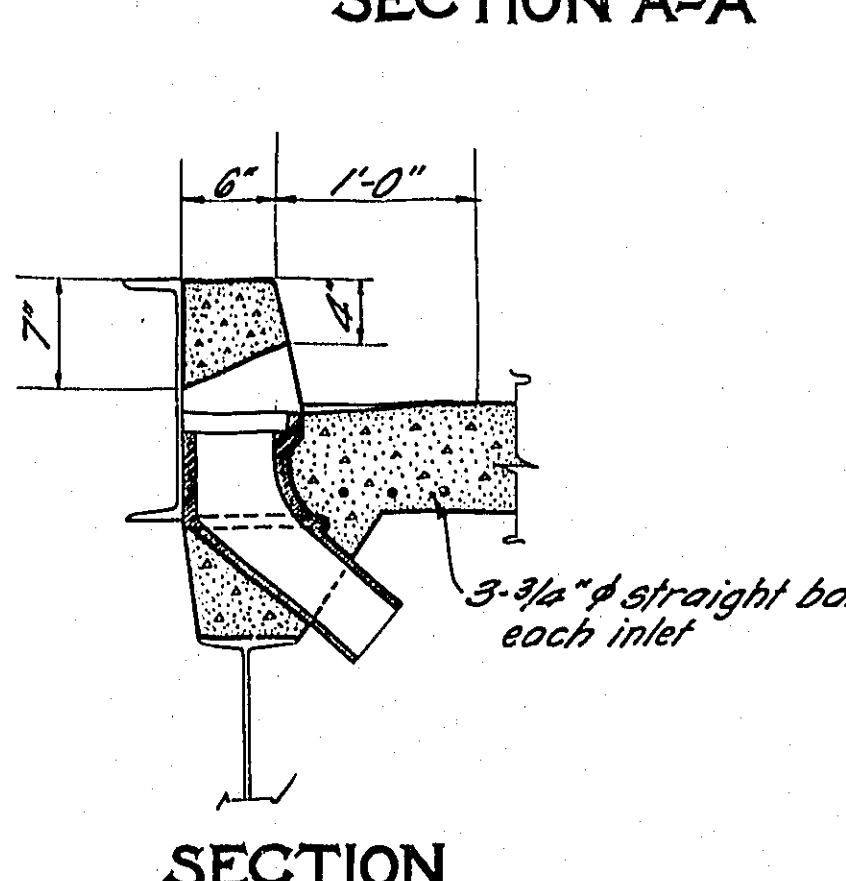
EXPANSION JOINT
Expansion joint in each rail on each leaf of bascule.



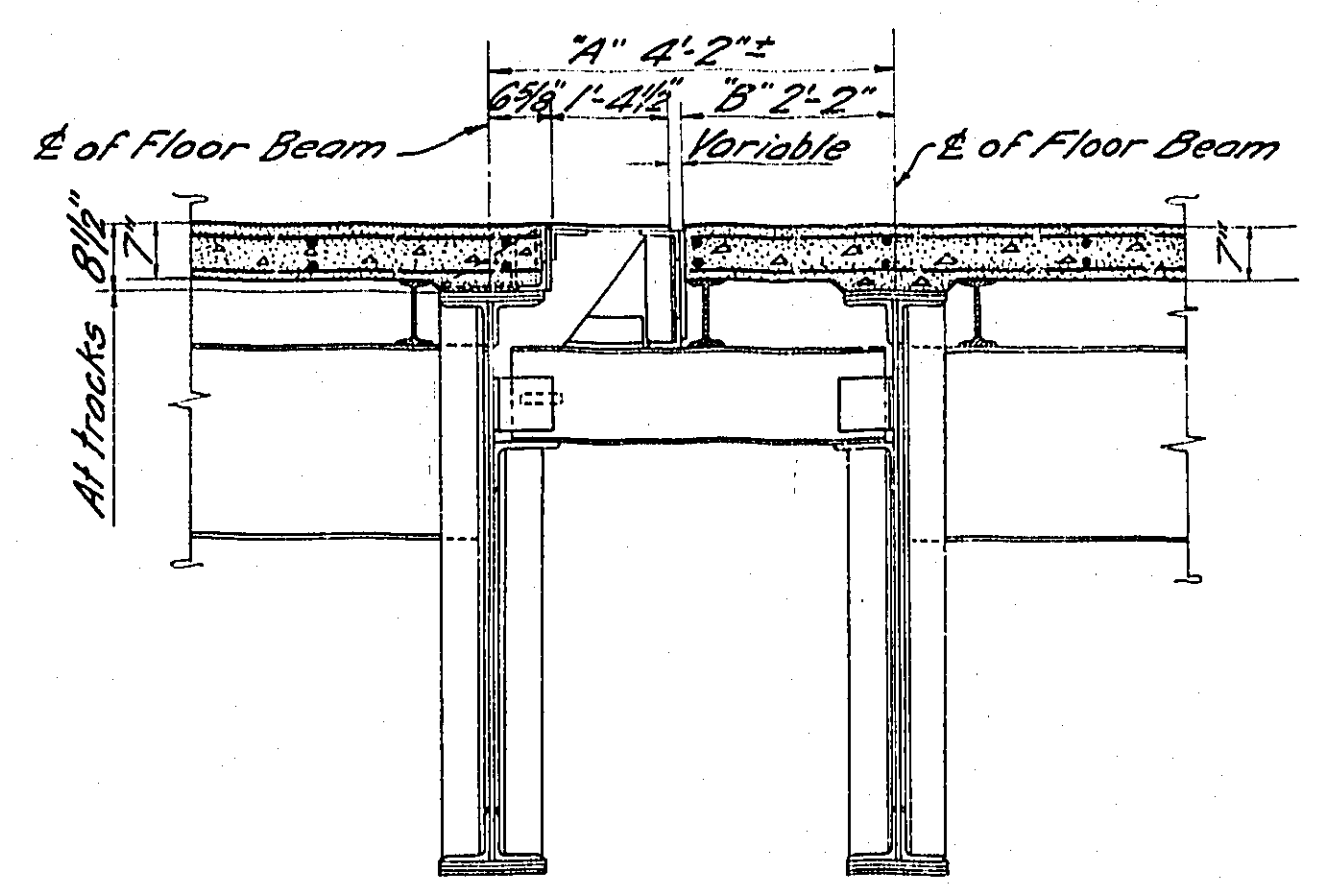
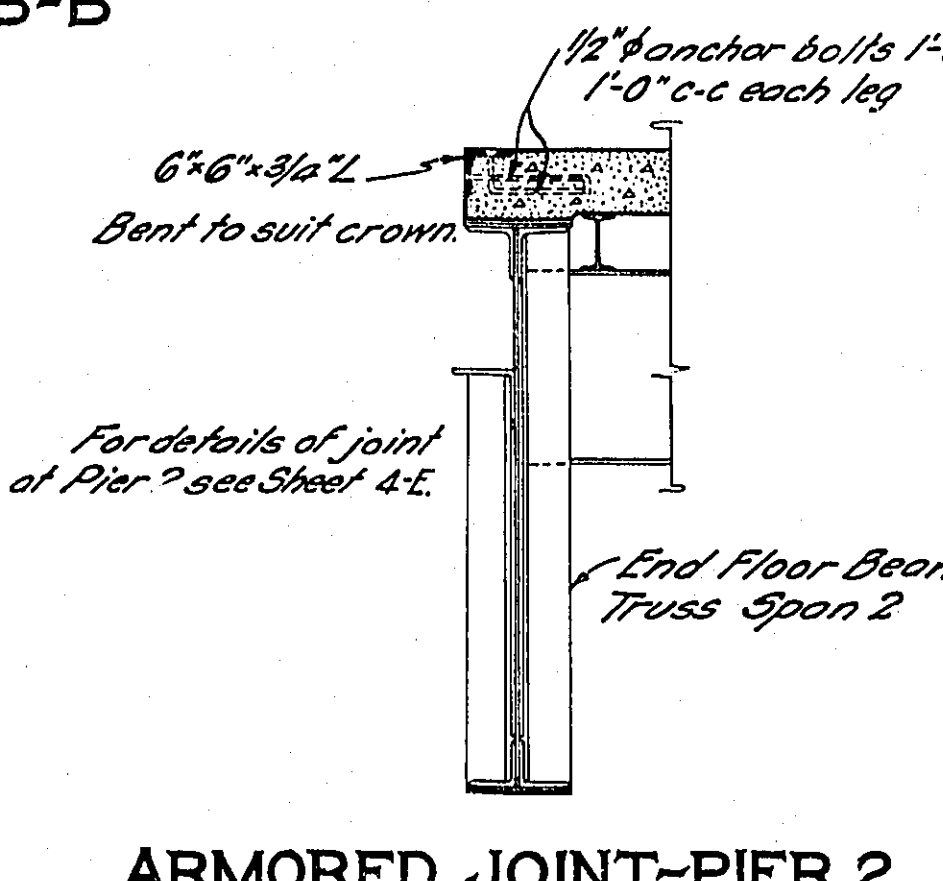
All ties to be 6" x 6" S&S Select Common Douglas Fir, crosscutted sub-decking to be 4" x 6" S&S Select Common Douglas Fir; no lengths less than 14'; except at Piers 5 & 6, Bullsplices staggered; use 3/4" x 7" spikes to fasten sub-decking to ties, one each intersection. Decking to be 4" x 12" S&S 1/2" selected Port Orford Cedar. Use 3/8" x 7" boot spikes countersunk 1/2" to fasten decking to sub-decking, one at each intersection staggered. Curb to be Selected Common Douglas Fir S&S. Ties to be drilled for screw spikes at rail clips. All bolts to be provided with two O.G.C.I washers.



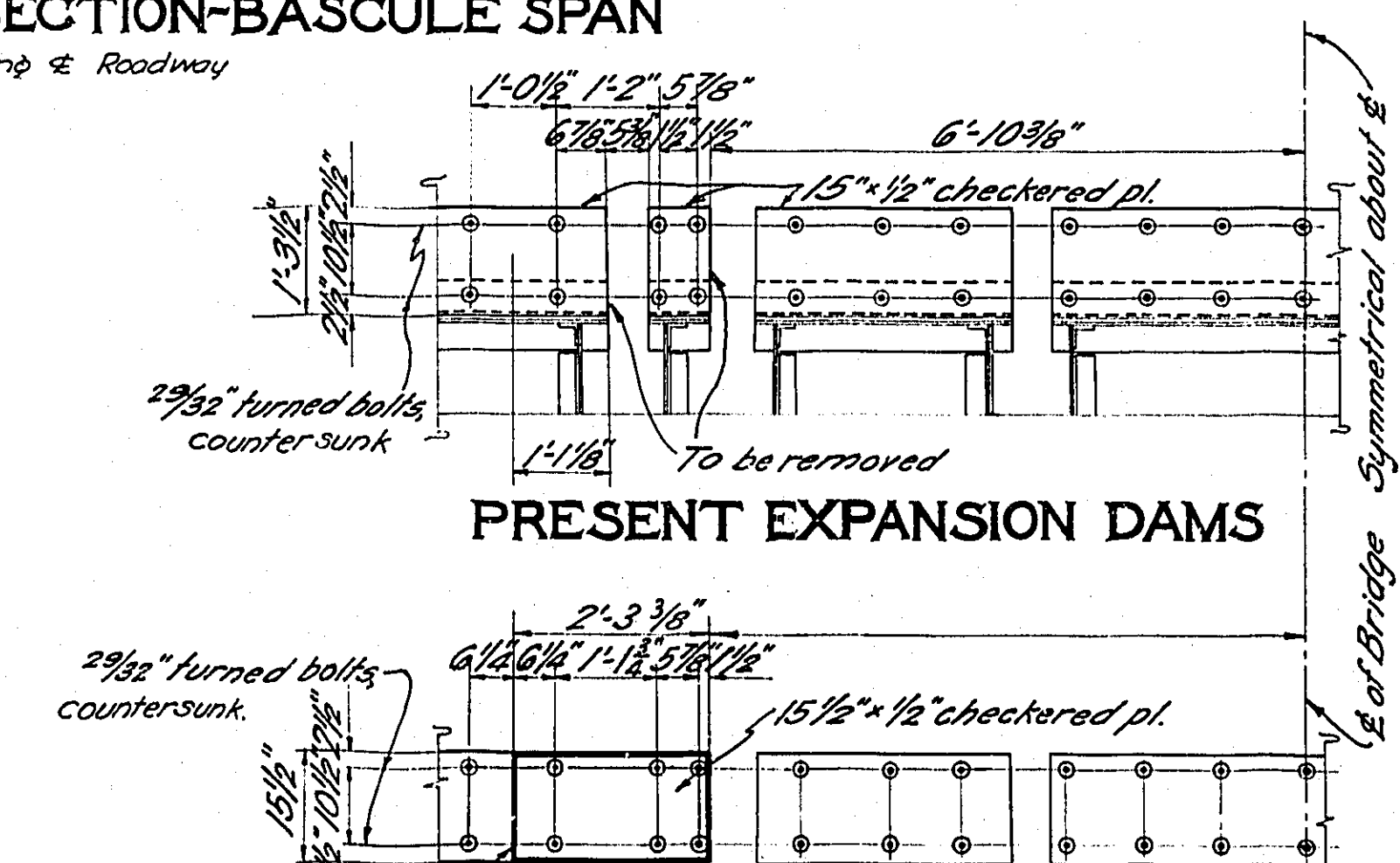
5" x 23" I beam has rivet to stringers with two 3/4" rivets, staggered each stringer. Rails to be fastened to ties with clips, two each rail, each tie.



CURB AT PRESENT INLETS



Construction at Piers 4 & 7 similar except dimensions A & B



REVISED COVER PLATE
6 Required on Truss Spans

EXPANSION DAM REVISION
PIERS 3-4-7

	QUANTITIES		
	PORT ORFORD CEDAR	DOUGLAS FIR	HARDWARE
Bascule Spans Deck	35 M.B.M.	76 M.B.M.	12,600 LBS.
Fixed Truss Spans Deck	1-2-3	1-2-4	REINF. STEEL LBS.
	1,600	-	244,000

Revised 11-27-27 Construction changes.

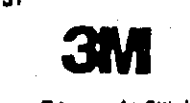
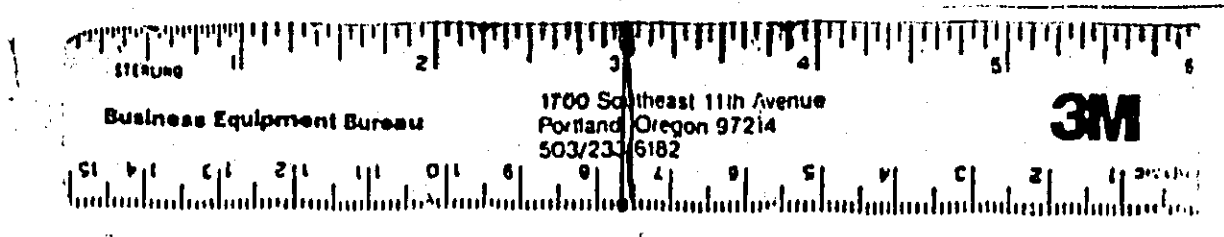
MULTNOMAH COUNTY - OREGON

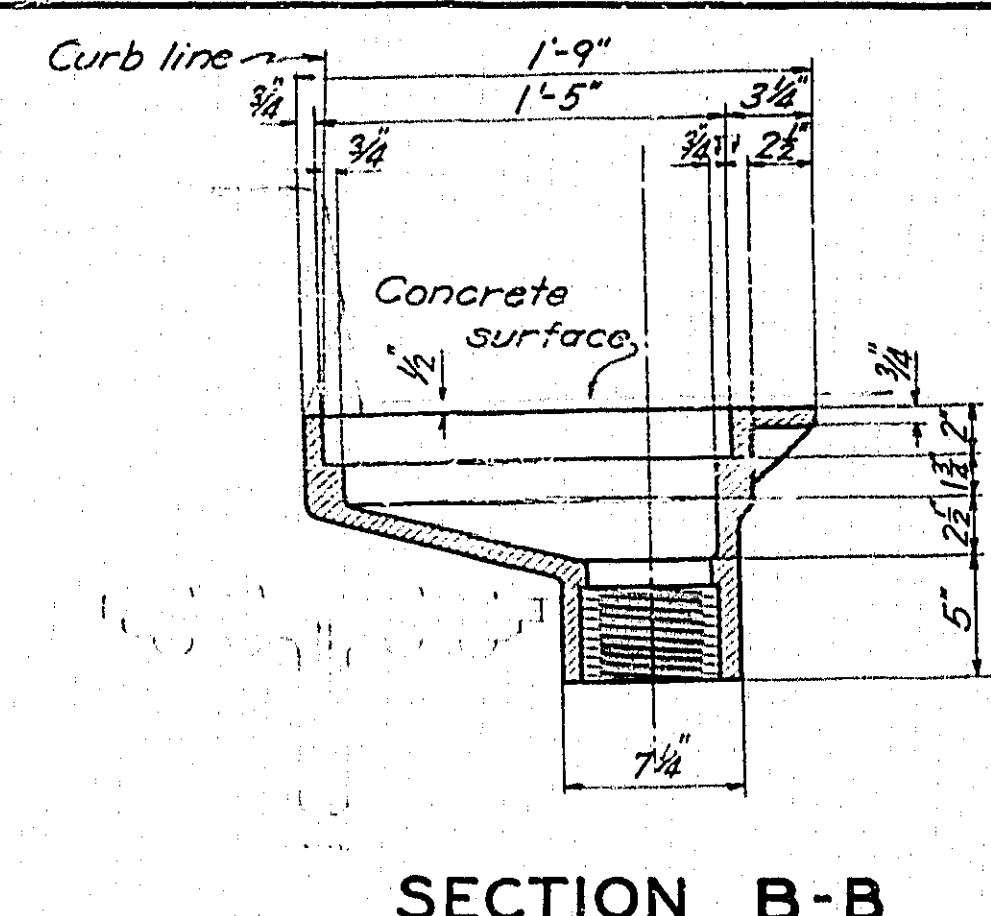
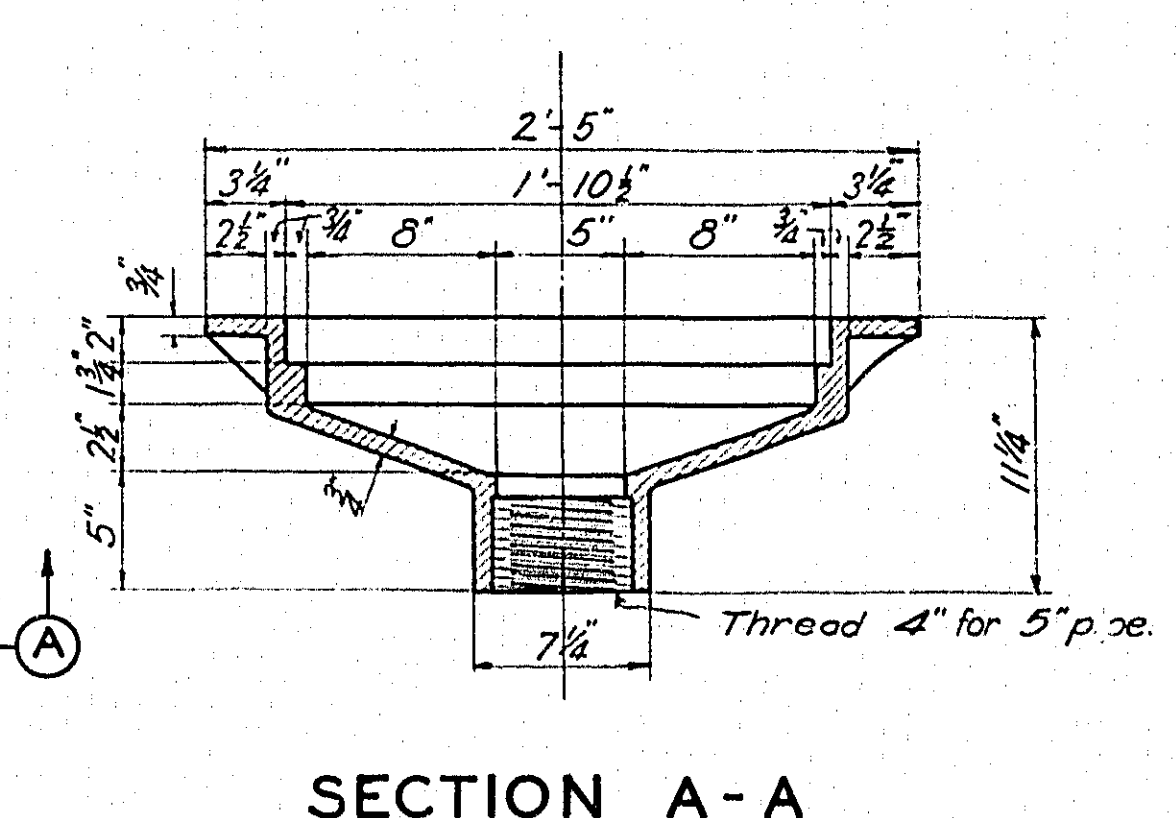
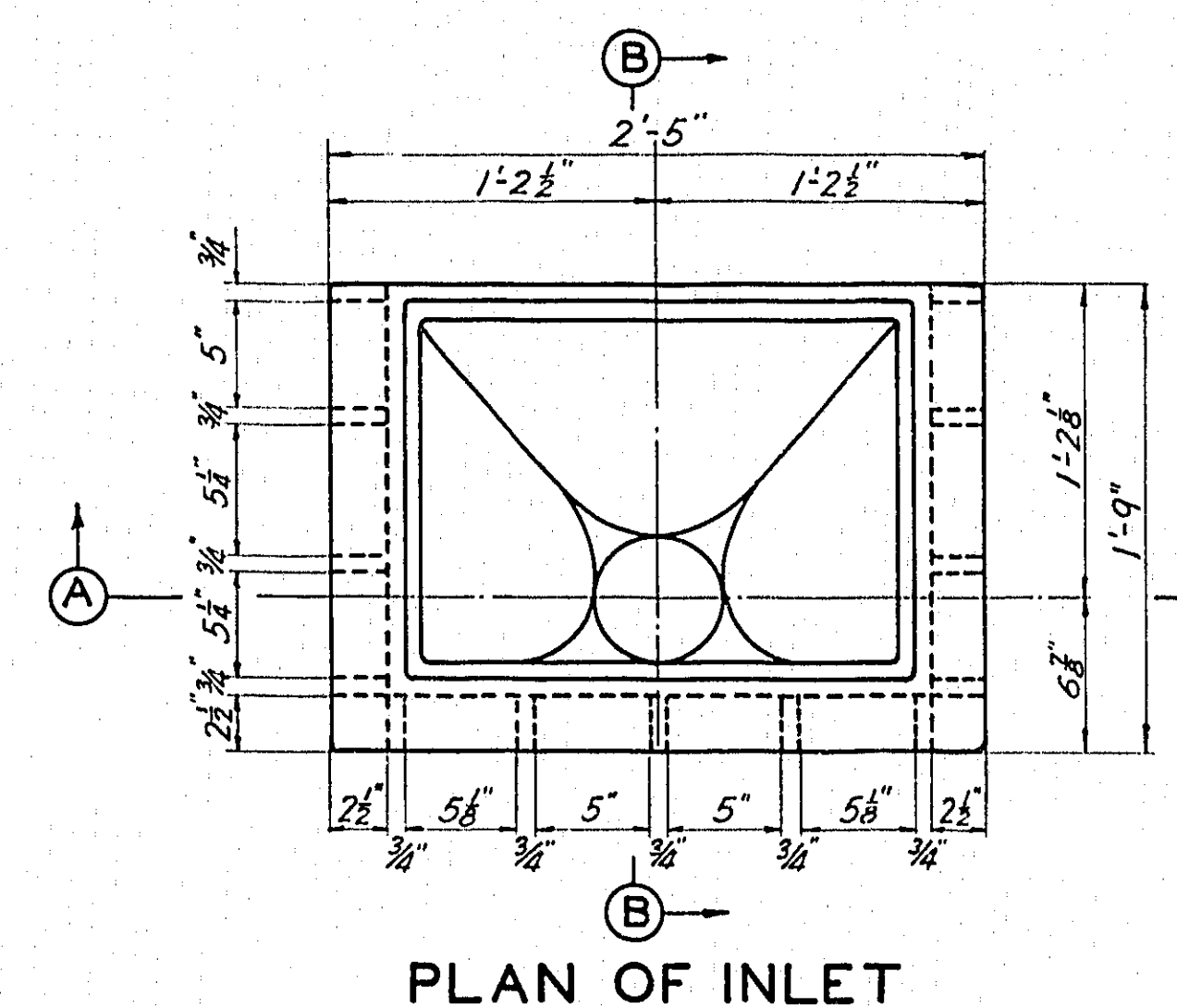
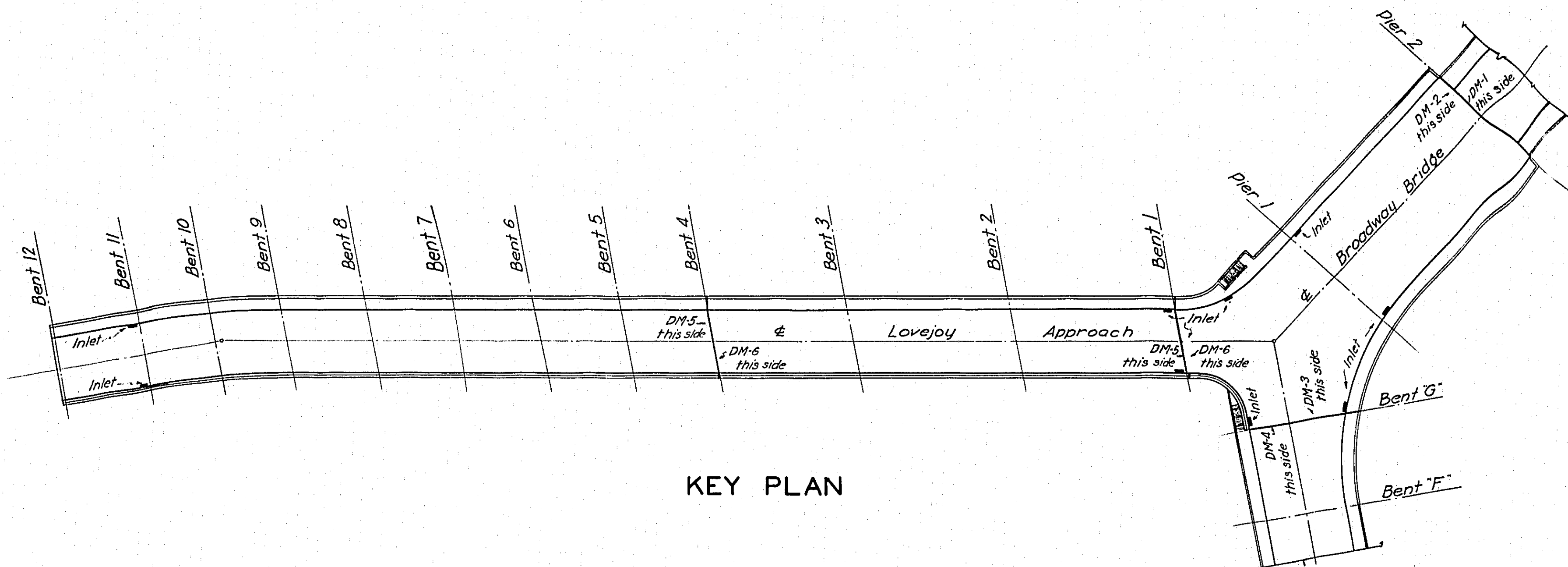
BROADWAY BRIDGE
PORTLAND OREGON

TRUSS SPANS
DECK

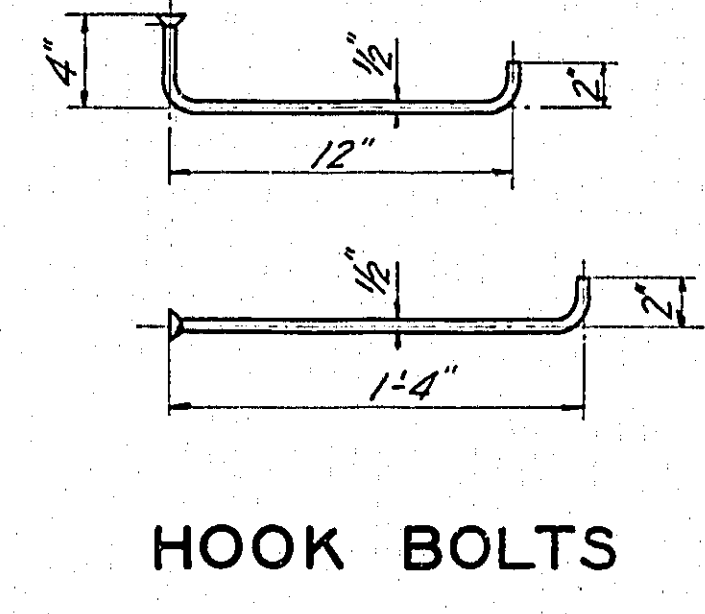
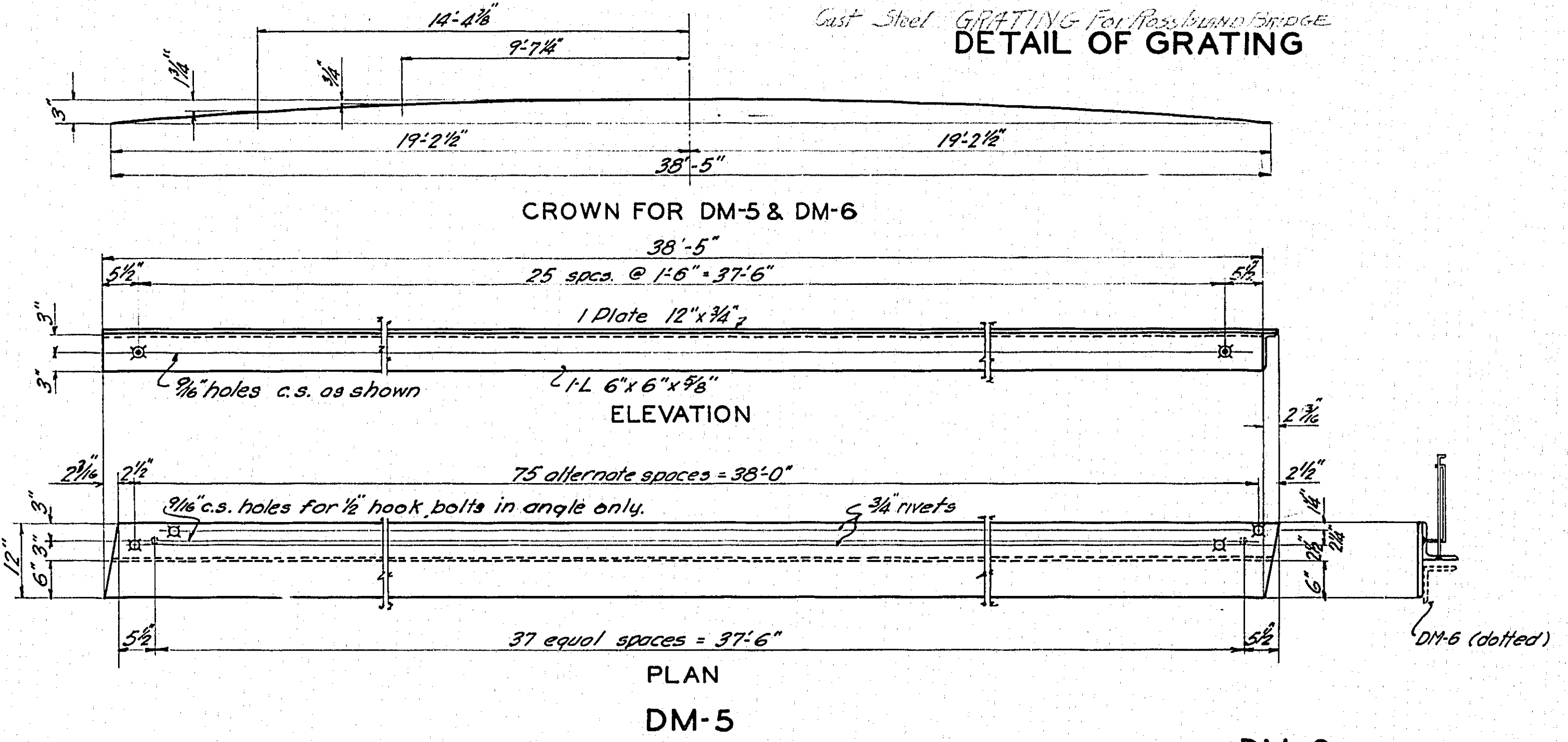
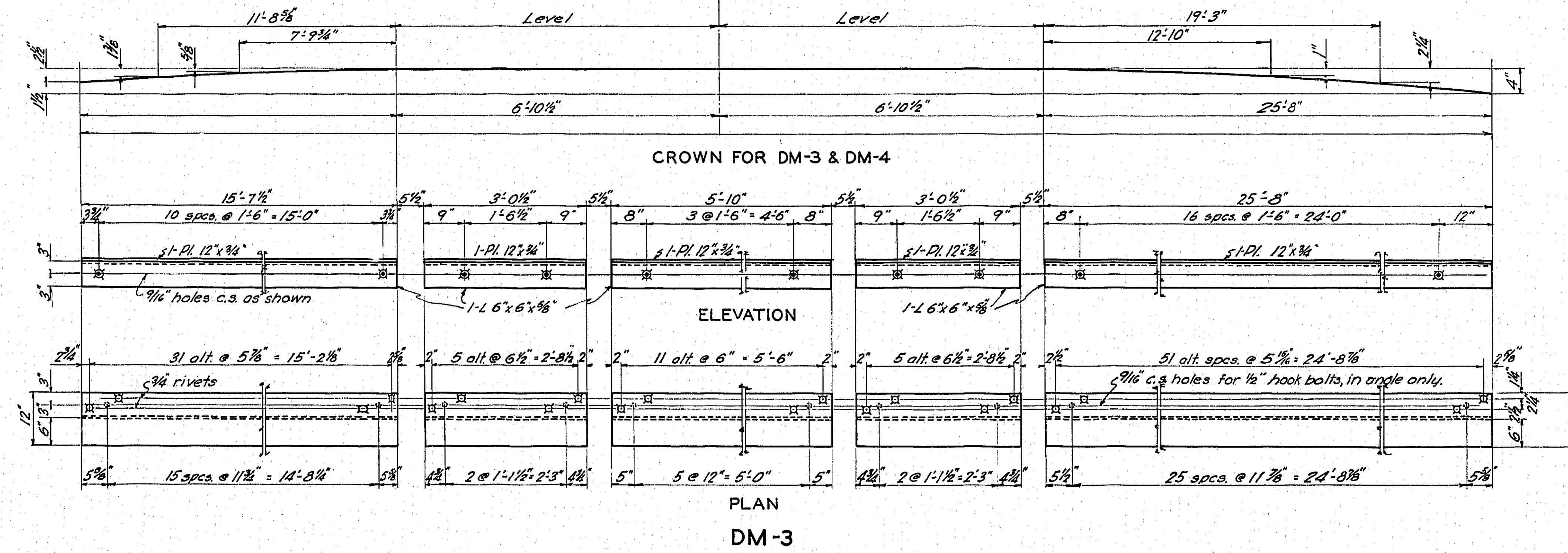
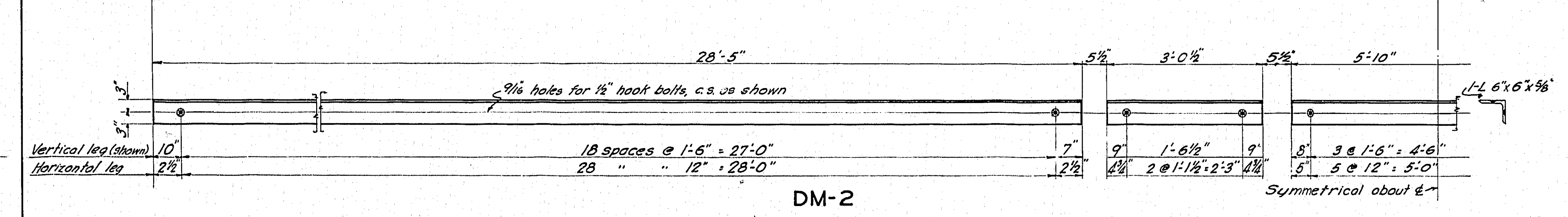
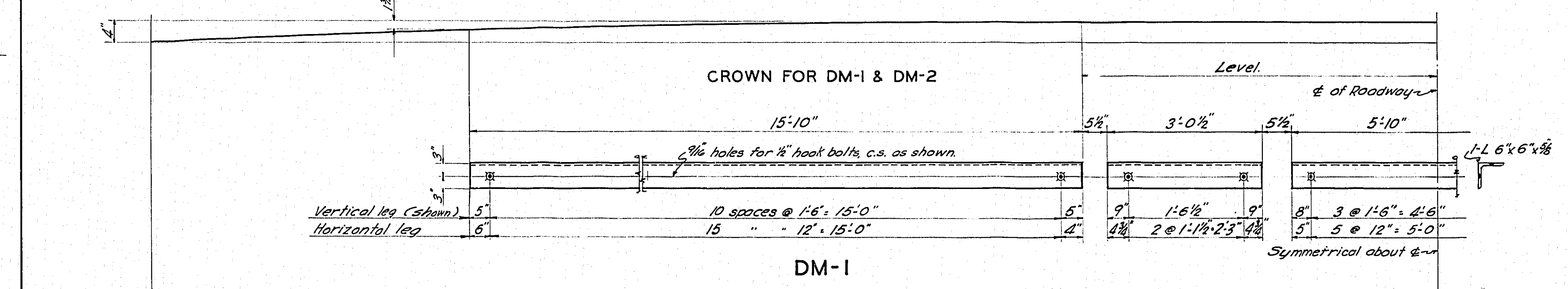
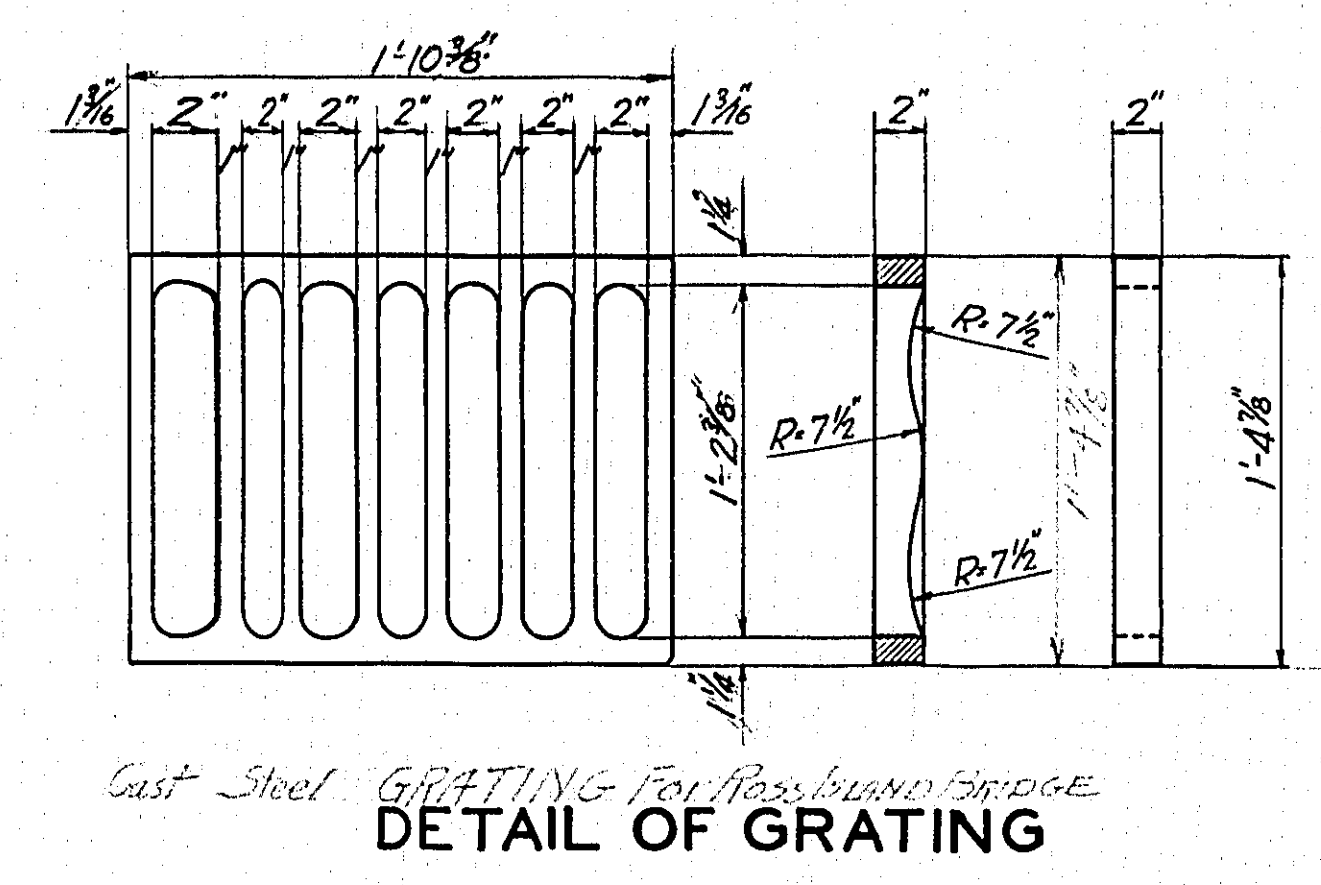
MADE BY - NWR. CHECKED BY - H.H.R. TRACED BY - J.J.B.
GUSTAV LINDENTHAL CONSULTING ENGINEER. NEW YORK - PORTLAND, ORE. DATE: MAY - 4 - 1927
DRAWING NO. G.L. 233 B.R. SHEET NO. 6-A
SCALE: 1/2" & 1 IN. = 1 FT. PORTLAND OFFICE

NOTICE: IF THIS DOCUMENT IS LESS LEGIBLE THAN THIS NOTICE IT IS DUE TO THE QUALITY OF THE ORIGINAL.





INLET AND GRATING
Scale 1/4" = 1'-0"



DM-4
5-1/2 6"x6"x3/8"
Similar to 1/2 in DM-3
except opposite hand.

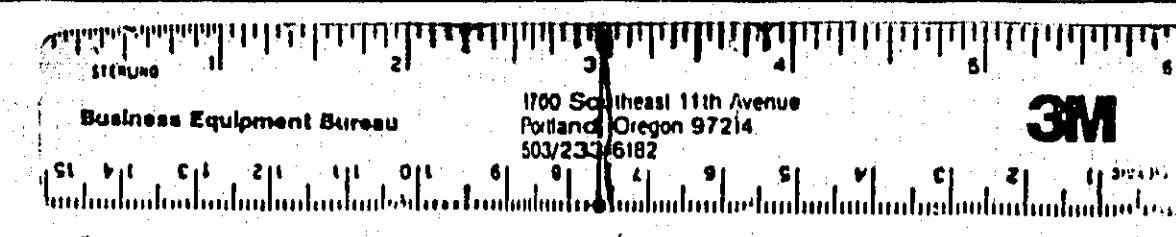
MULTNOMAH COUNTY - OREGON
BROADWAY BRIDGE
PORTLAND, OREGON

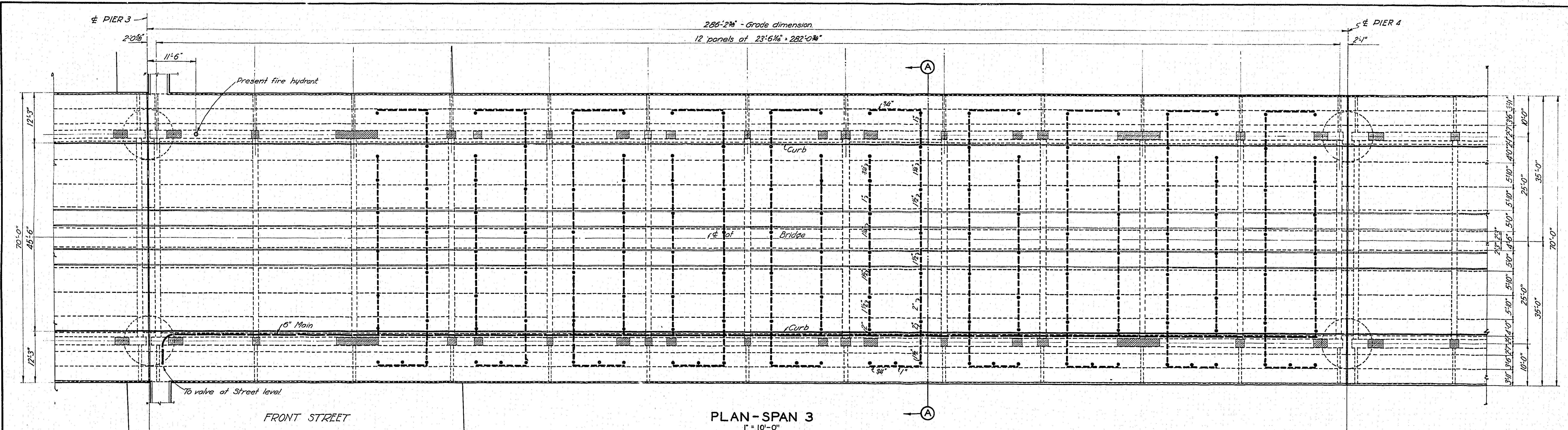
INLETS
EXPANSION DAMS

MADE BY R. GUSTAV LINDENTHAL
CONSULTING ENGINEER
NEW YORK - PORTLAND, ORE.
DATE - SEPT. 7, 27
SHEET NO. 8-A
PORTLAND, OFFICE

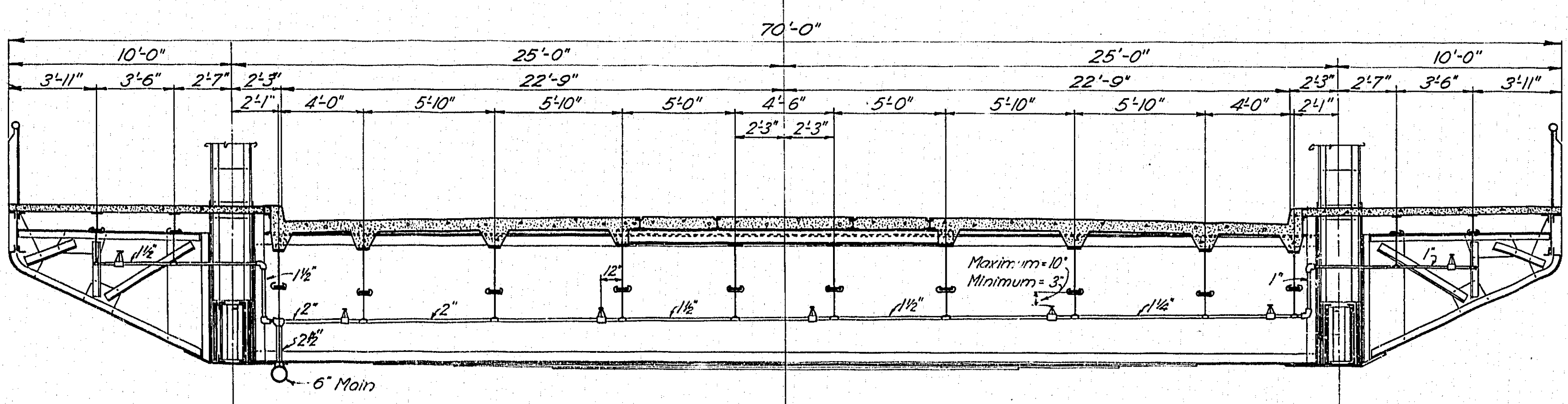
CHECKED BY R.
DRAWING NO. G.L. 238BR
SCALE: 3/4" & 1/2" = 1'-0"

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PLAN-SPAN 3
1" = 10'-0"



SECTION A-A
1/4" = 1'-0"

- LEGEND**
- 6" Main
 - - - Laterals
 - Sprinkler heads

SPECIFICATIONS

The Sprinkler System is to be connected to the City water main in Front Street, thru a standard 6" - 150 lb. post indicator gate valve, provided with a 2" drain. Valve and drain are to be located in a concrete box directly south of Pier 3 and about 1'-0" west of the west curb line of Front St, the exact location and size to be determined by the Engineer.

All pipe to be standard black pipe with 150 lb. cast iron fittings and is to be given one coat of red lead and all one coat of grey paint. All bends in 6" main to be of long radius. Hangers to be of an approved type.

Sprinkler heads to an approved type.

The entire installation shall meet the City of Portland and the Oregon Insurance Rating Bureau codes except where shown otherwise and shall be tested under 150 lbs. pressure for one hour before acceptance.

MULTNOMAH COUNTY - OREGON	
BROADWAY BRIDGE PORTLAND, OREGON	
SPRINKLER SYSTEM SPAN 3	
MADE BY	GUSTAV LINDENTHAL
CHECKED BY	CONSULTING ENGINEER
TRACED BY	NEW YORK - PORTLAND, ORE.
CHECKED BY	DATE: DECEMBER 22
DRAWING NO.	SHEET NO. 9-A
SCALE AS NOTED	PORTLAND OFFICE

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