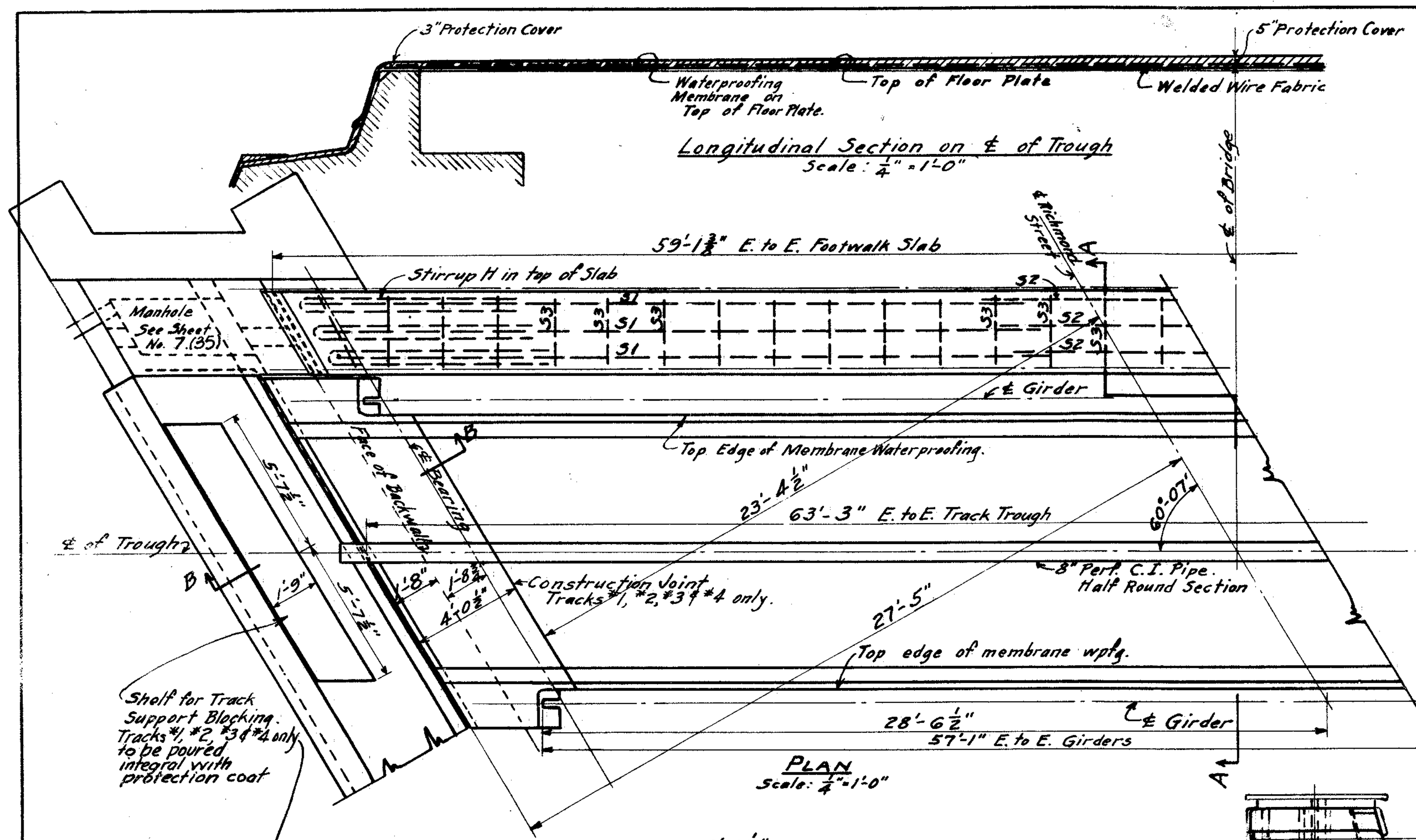
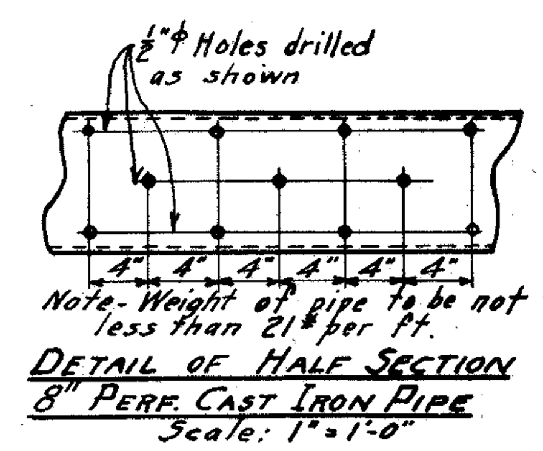
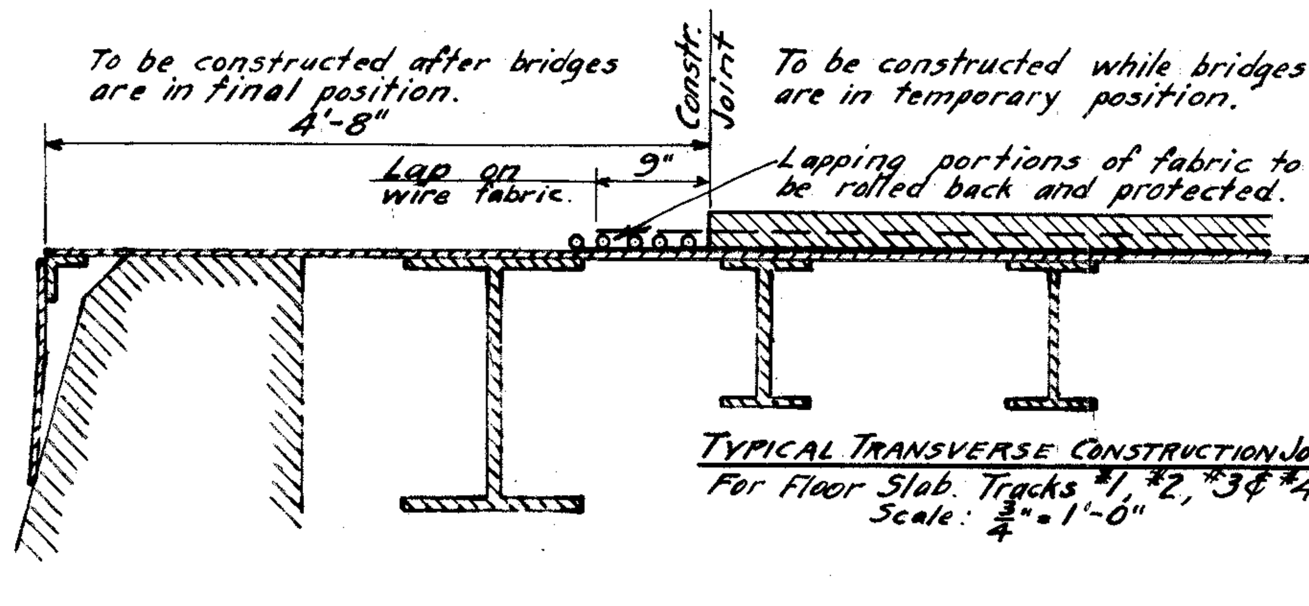
FED. RD. DIST. NO.	STATE	F. A. G. C. PROJECT	FISCAL YEAR
10	OHIO	F.A.G.M. 70A(1)	1941

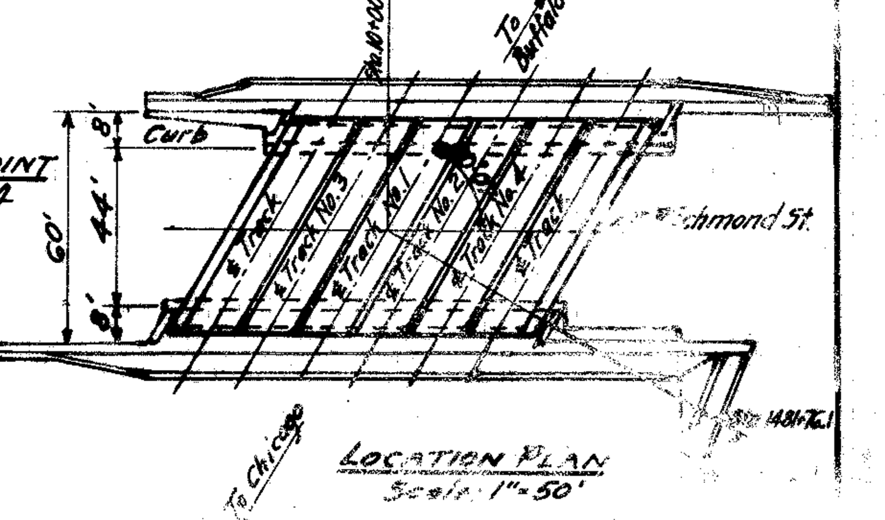
40 / 50

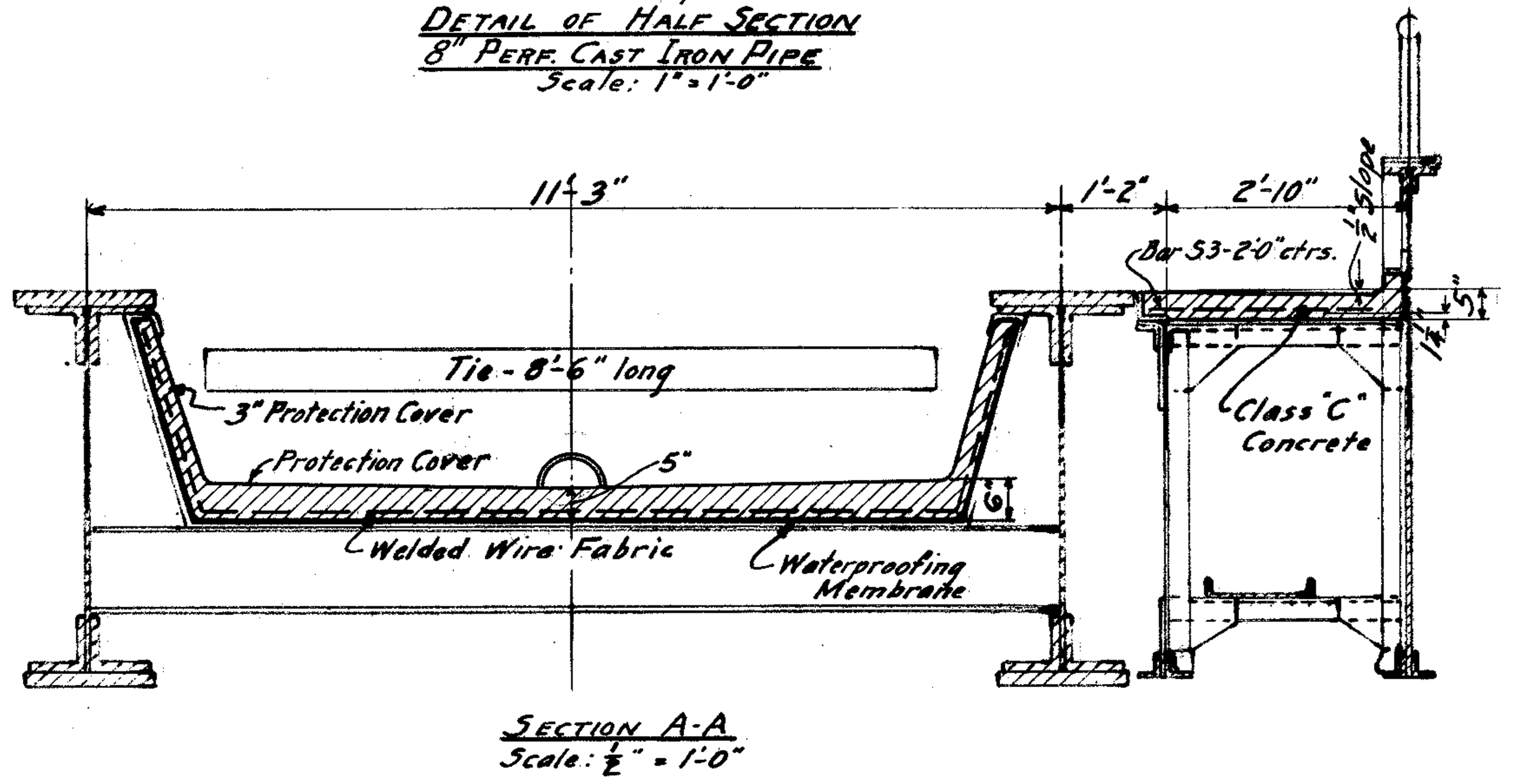
LAKE COUNTY S.H. 520
SEC. PAINESVILLE (PT.)
GRADE SEPARATION

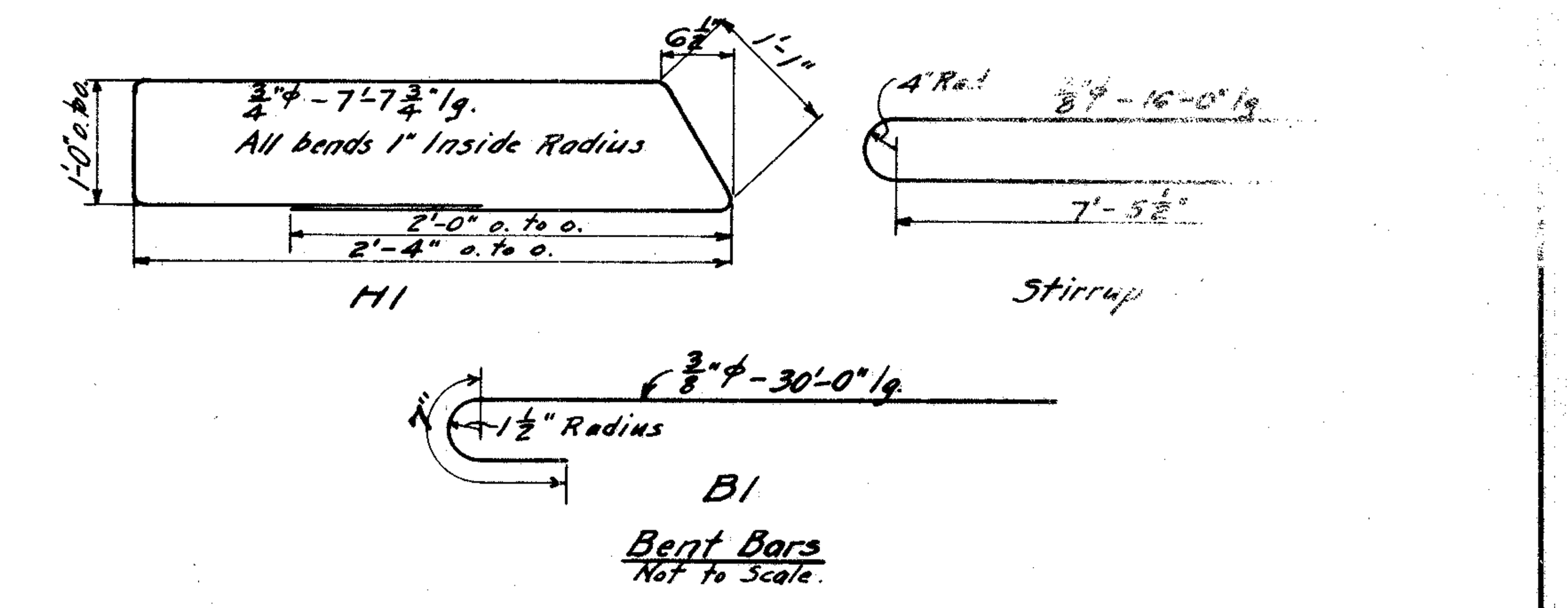


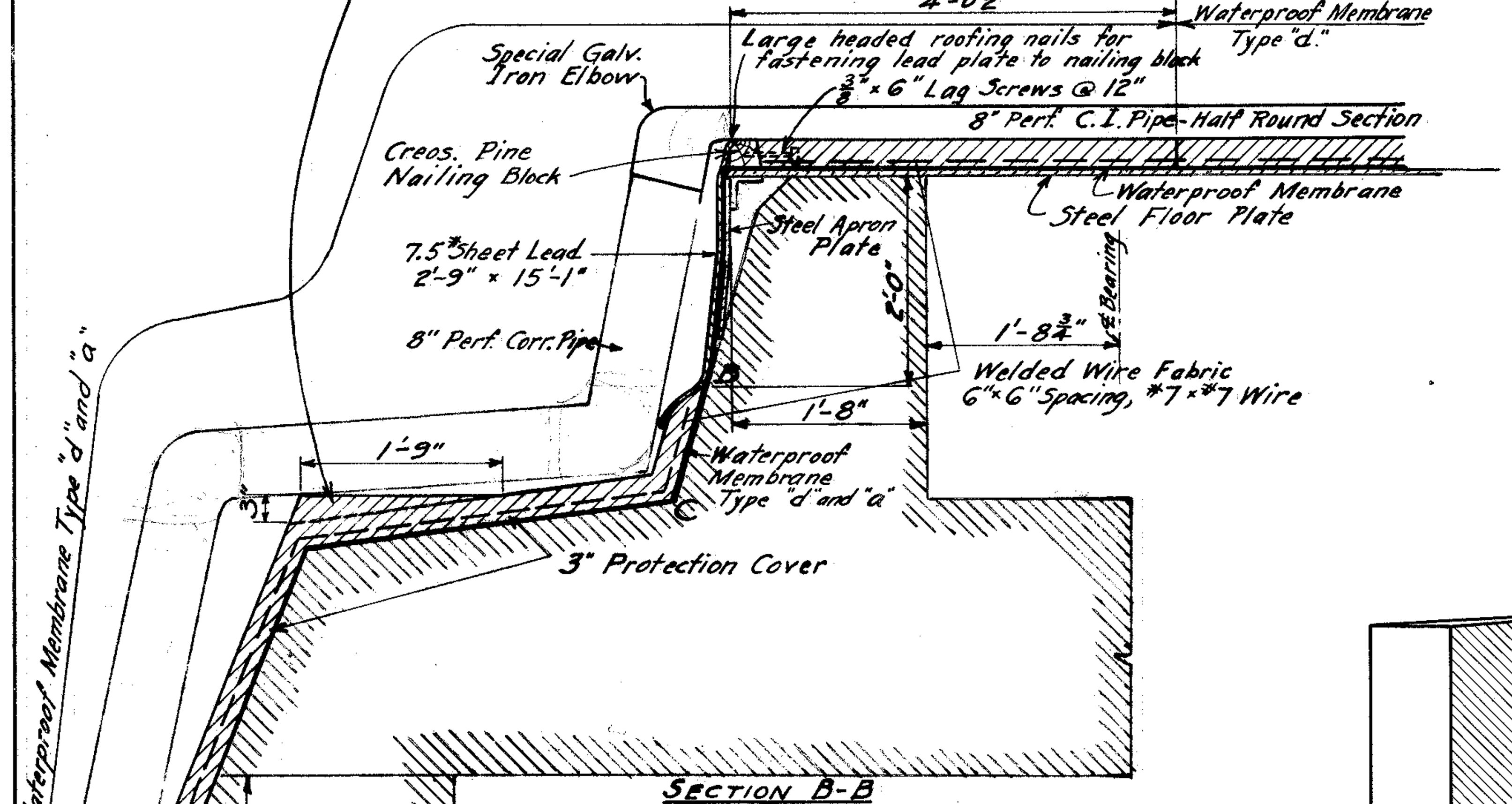






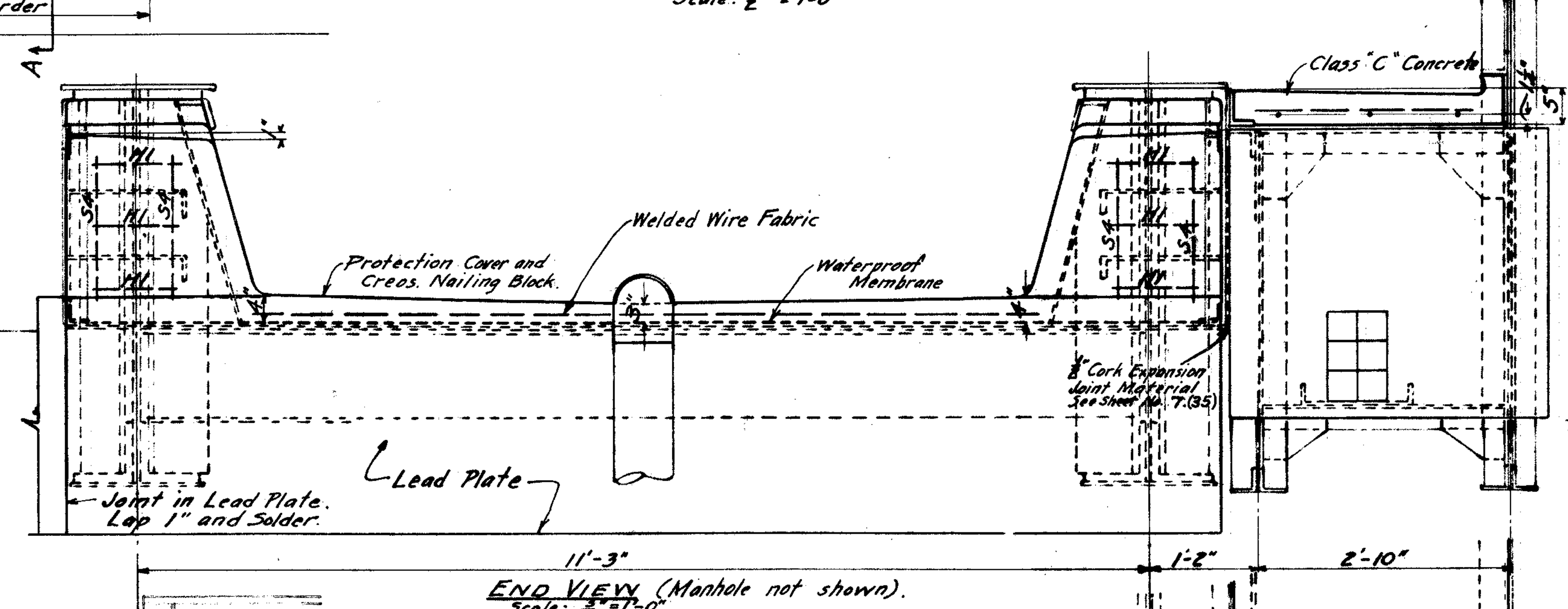


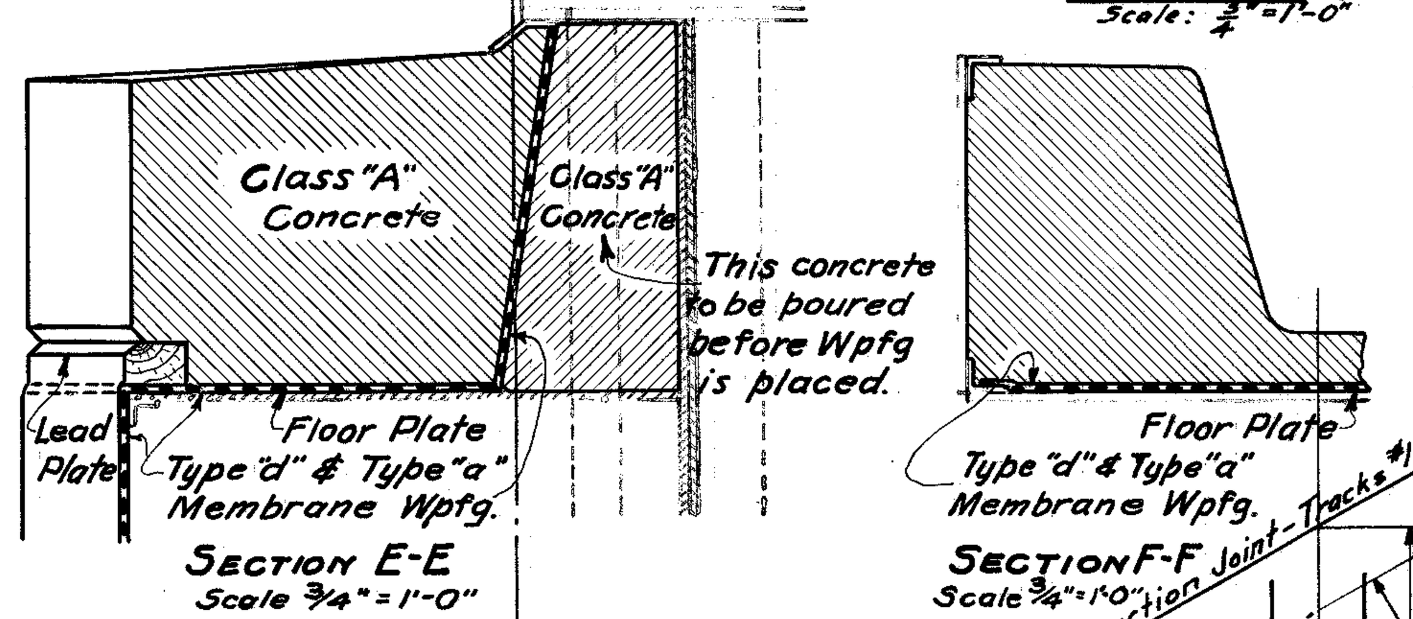


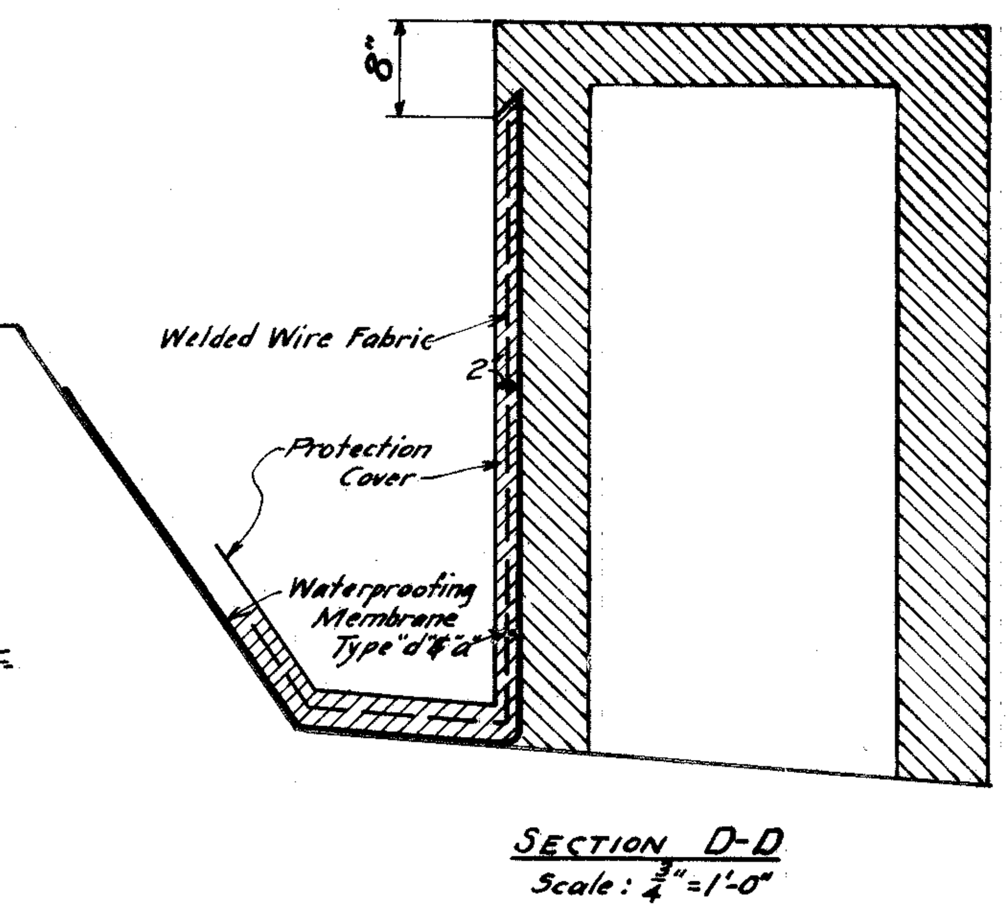


Method of Waterproofing Backwall

1. Place Type "d" and Type "a" waterproofing membrane from "A" to "B".
2. Place concrete protection cover from "A" to "C".
3. Place Type "d" and Type "a" waterproofing from floor slab to "C".
4. Place concrete protection cover from "C" to "B".
5. Place lead plate.







Method of Finishing Slab at Ends of Bridges

1. Place Type "d" and Type "a" membrane waterproofing on floor plate from construction joints to end continuing around ends of girders, then down the backwall on Tracks #1, #2, #3 and #4. On the two outside tracks the same area will be waterproofed with Type "d" and Type "a" membrane waterproofing.
2. Construct small concrete end blocks at ends of girders.
3. Finish membrane waterproofing on sloping surfaces of steel and small concrete end blocks at ends of girders.
4. Place creosoted pine nailing blocks.
5. Construct large reinforced concrete end blocks including the placing of concrete protection cover.

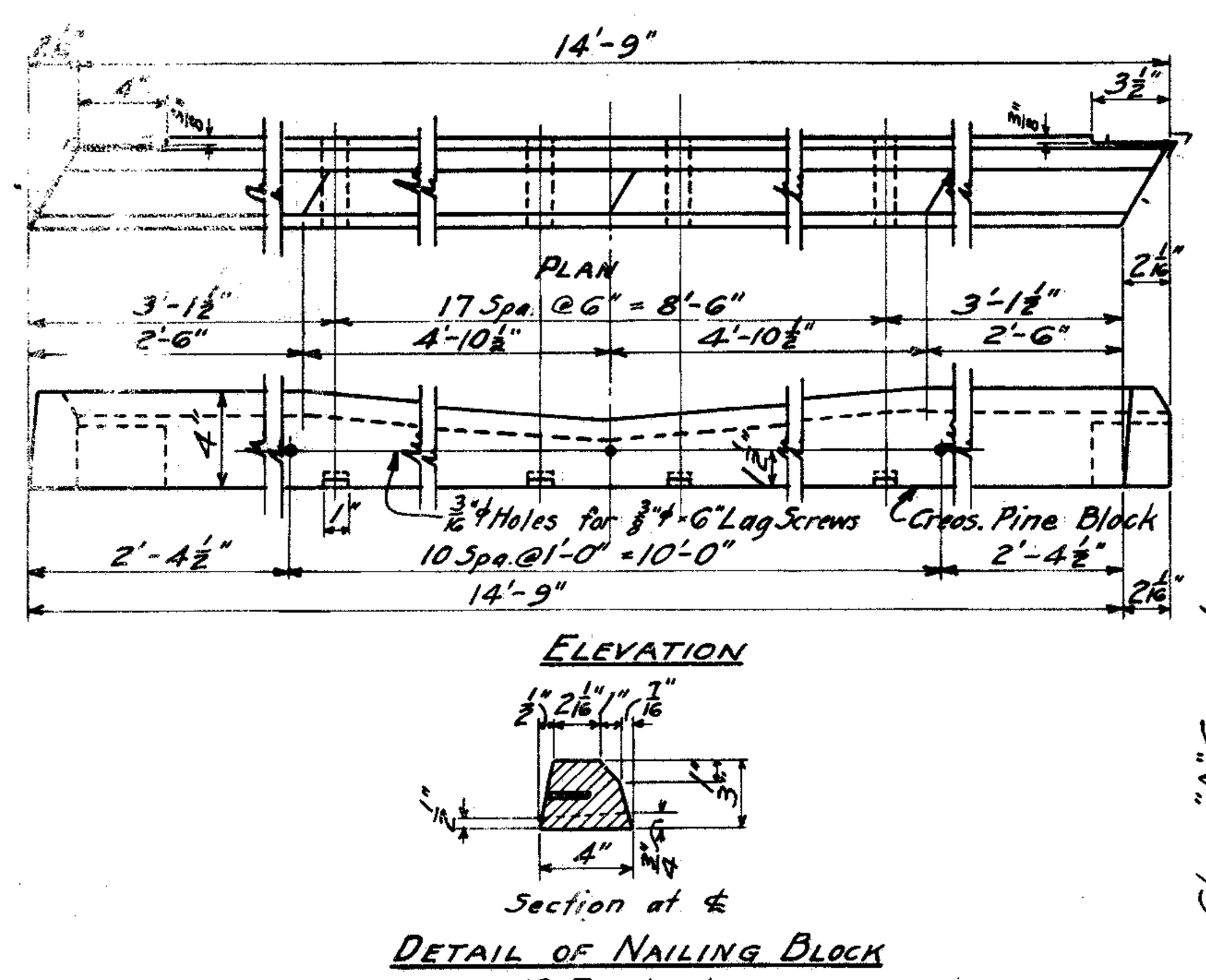
All concrete protection cover shall be Class "A" concrete.

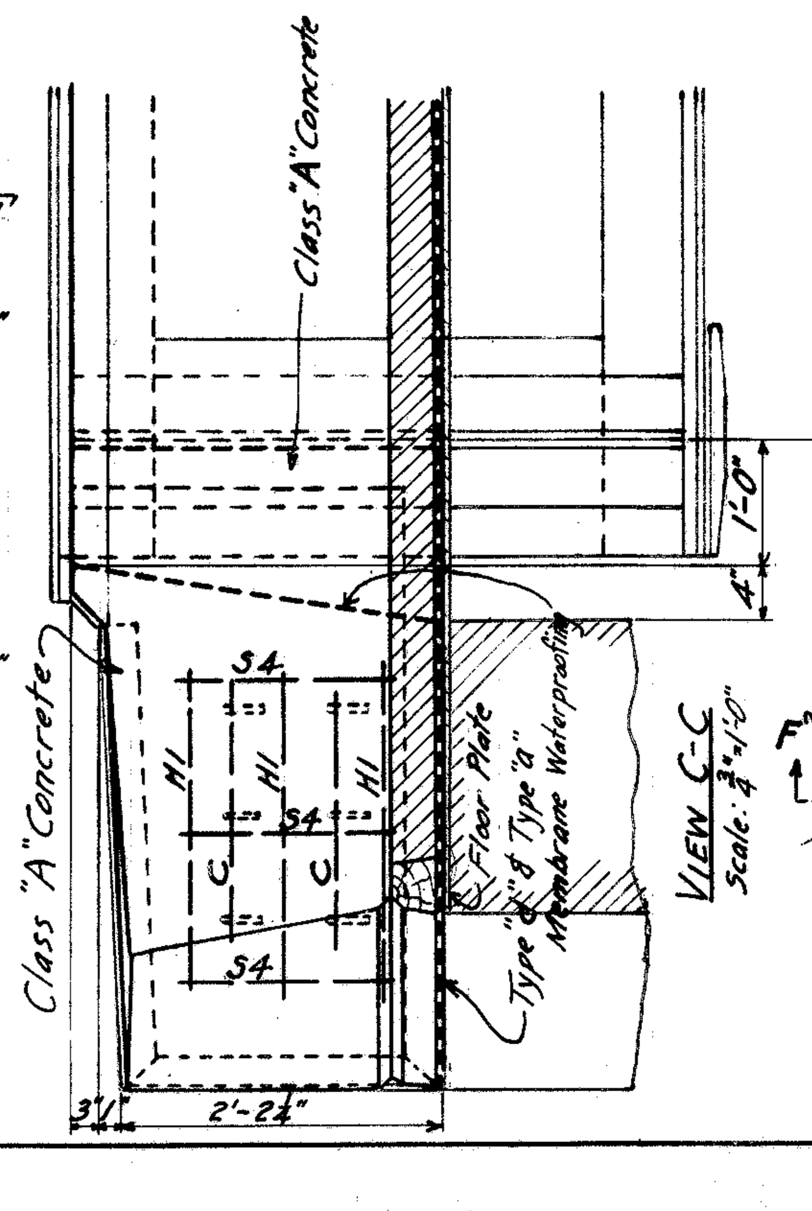
All seams and slots for welding must be filled with Emulsified Asphalt and sand before applying membrane waterproofing (Included with membrane waterproofing for payment).

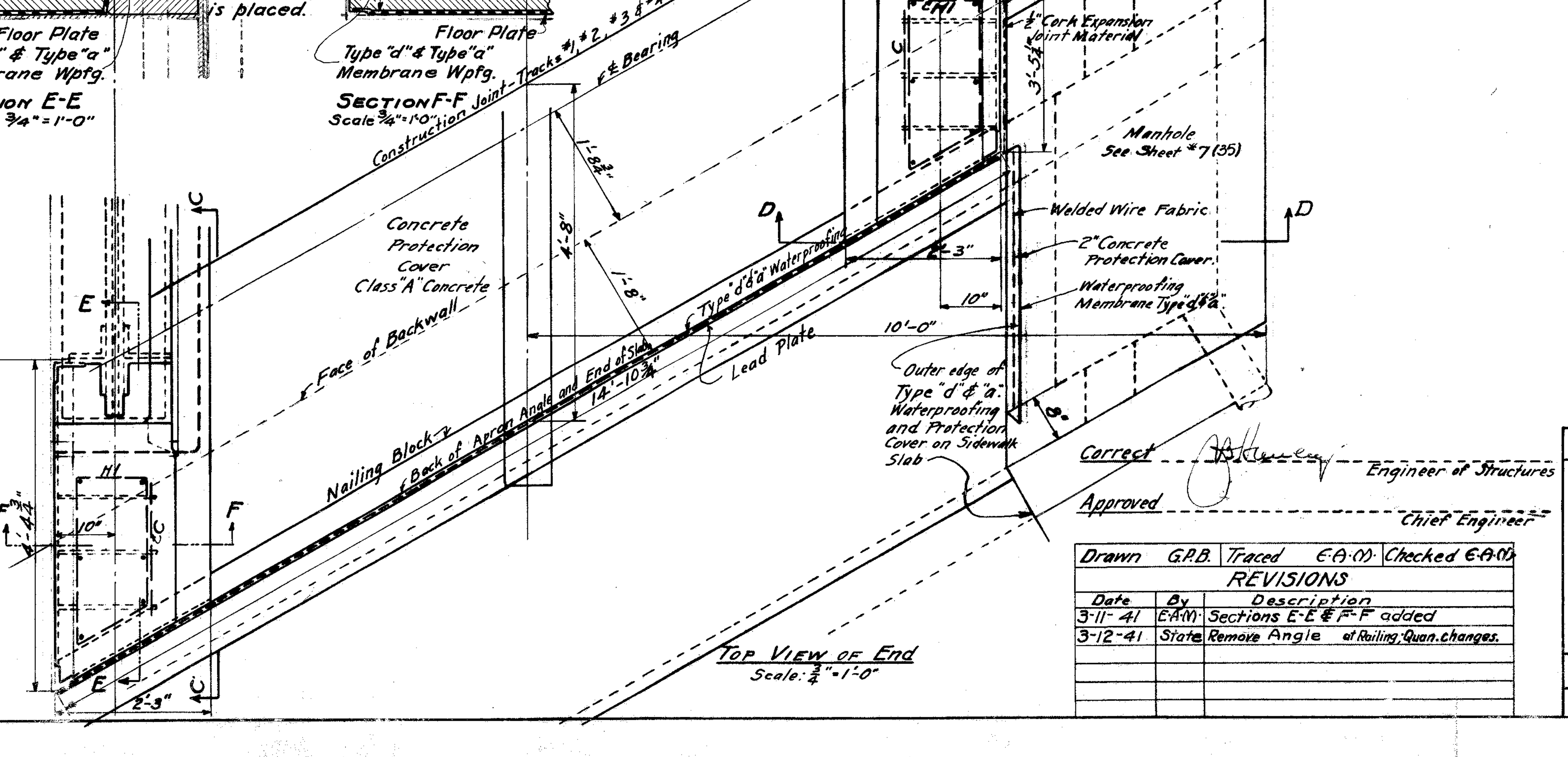
Wire Fabric shall be 6"x6" mesh #7 x #7 wires and shall be lapped 9" minimum.

BAR LIST FOR 6 TRACKS - 2 FOOTWALKS
All bars deformed

No.	SIZE	DESCRIPTION	LOCATION	MARK	WGT.	TOTAL
12	3/8"φ	30'-0" Bent	Longitudinal bars in footwalk	S1	135	
6	3/8"φ	8'-0" Straight	" "	S2	18	
62	3/8"φ	2'-6" Straight	Transverse " "	S3	58	
12	3/8"φ	16'-0" Bent	Stirrups in ends of footwalks	H	72	
144	3/4"φ	1'-6" Straight	At ends of girders	S4	324	
72	3/4"φ	7'-7 3/4" Bent	At ends of girders	H1	827	
48	3/4"φ	1'-9" Straight - Through hook bolts		C	126	[illegible]







ESTIMATED QUANTITIES FOR SUPERSTRUCTURE

ITEM	DESCRIPTION	AMT.
S-1	Class "C" Concrete - Superstructure	5.7 Cu. Yds.
S-103	Type "c" Reinf. Concrete Protection Cover 2" Thick	8.0 Sq. Yds.
S-103	" " " " " " 3" "	330 Sq. Yds.
S-103	" " " " " " 4 1/2" " (Aver.)	376 Sq. Yds.
S-103	Type "a" Membrane Waterproofing	325 Sq. Yds.
S-103	Type "d" " " Incl. 1 Prime Coat	810 Sq. Yds.
S-1	Class "A" Concrete - Walls	13.5 Cu. Yds.
S-4	Reinforcing Steel - Def. bars - Sec. M-7.1, Structural or Intermed. Grade	1560 Lbs.
S-4	Welded Wire Fabric, 6"x6" - #7 x #7. Sec. M-7.3	2800 Lbs.
S-9	Sheet Lead 7.5#/sq. ft., 2'-9" Wide	181 Lin. Ft.
S-13	Creos. Pine Nailing Blocks, Including Hardware	0.240 M.B.M.
S-29	8" Half Round Perf. C.I. Pipe (Min. 21#/Lin. Ft.) Incl. G.I. Elbows	390 Lin. Ft.

Correct [signature] Engineer of Structures

Approved Chief Engineer

Drawn G.P.B.	Traced E.A.M.	Checked E.A.M.

REVISIONS

Date	By	Description
3-11-41	E.A.M.	Sections E-E & F-F added
3-12-41	State	Remove Angle at Railing; Quan. changes.

BR. Nº LA-283-170

N.Y.C. SYSTEM | Office of Chief Engineer | Chicago, Ill.

BR. No. 100 3/4 ERIE DIVISION STA. 1481+76.1

GRADE SEPARATION

RICHMOND ST. PAINESVILLE OHIO

SOLID FLOOR PLAN

Sheet 12 of 13.

N.Y.C.R.R. West Erie Division | Plan No. 1099

Scales as shown | Sept. 5th 1940 | Vol. [illegible] 203 | File No. 100-100