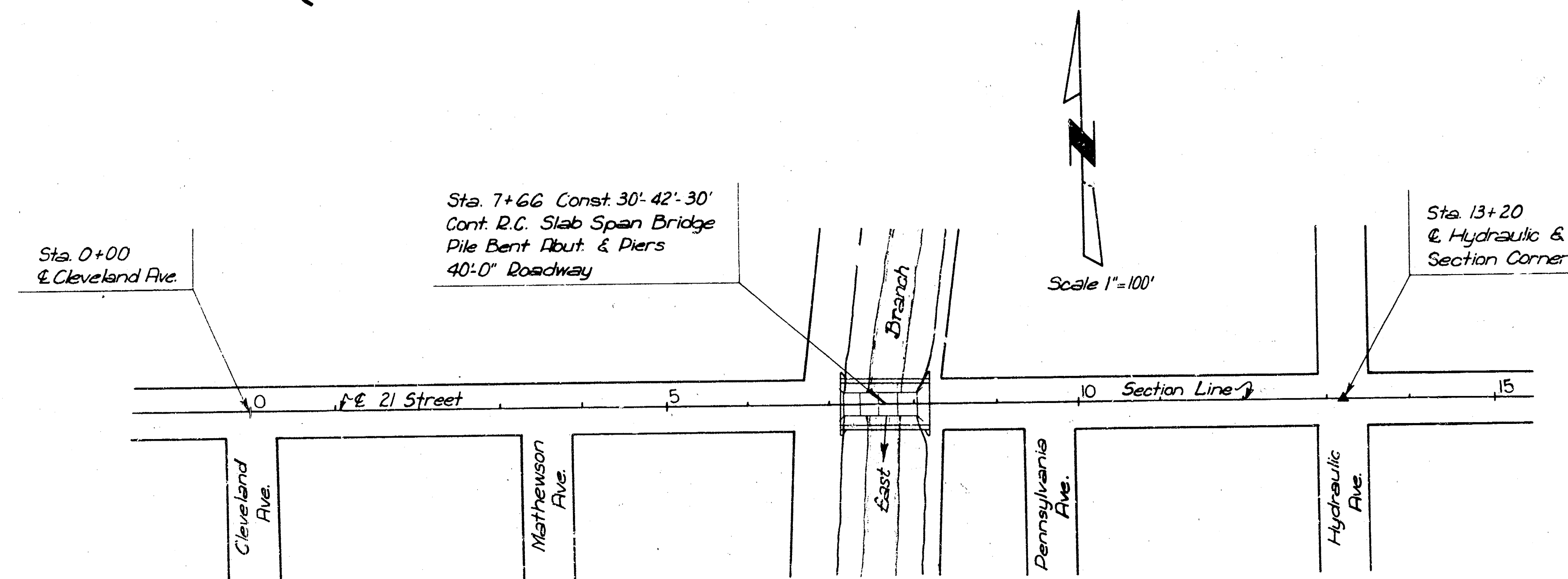


21 ST. STREET BRIDGE

OVER THE

WICHITA DRAINAGE CANAL (EAST BRANCH, CHISHOLM CREEK)

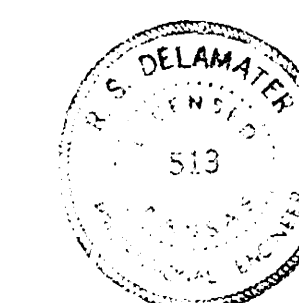


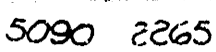
CITY ENGINEERING DEPARTMENT
WICHITA, KANSAS
B. E. SMITH, CITY ENGINEER

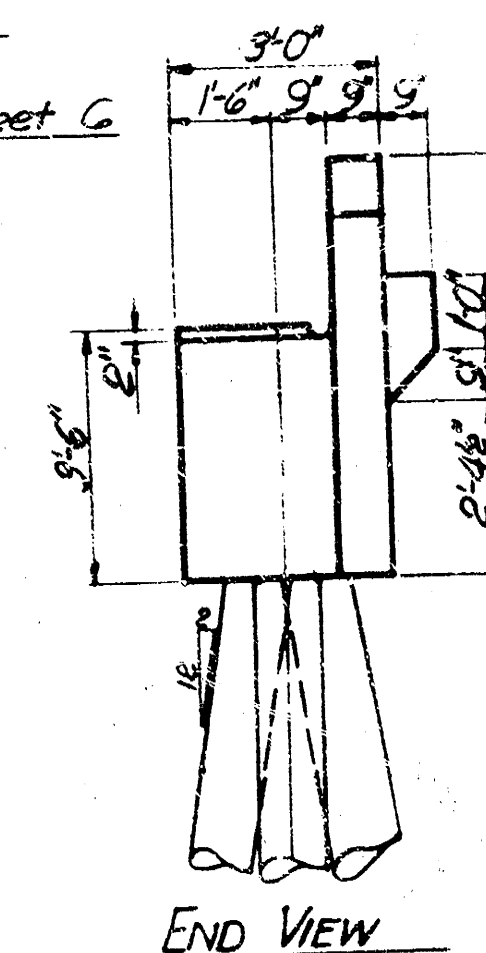
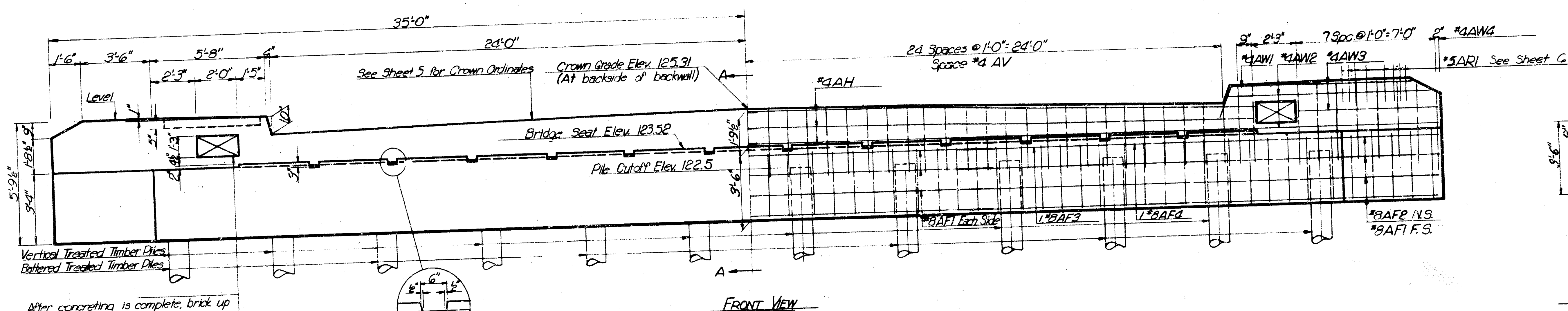
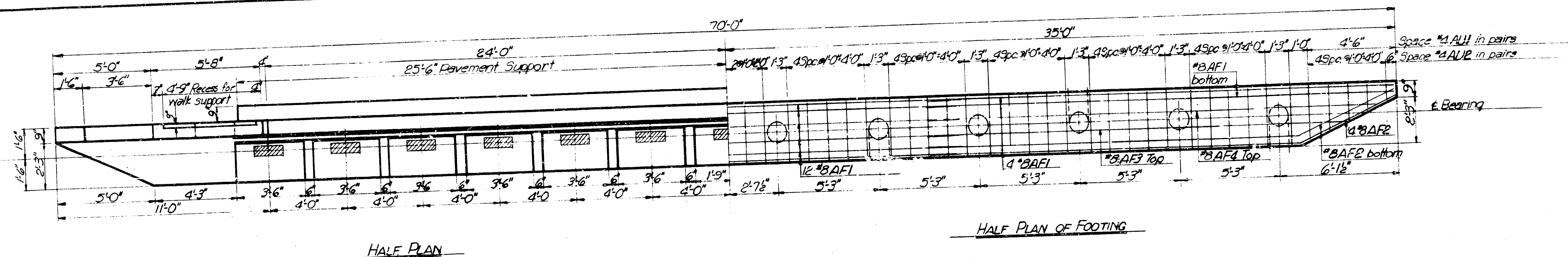
PLANS PREPARED BY
R.S. DELAMATER, CONSULTING ENGINEER
WICHITA, KANSAS
JUNE, 1953

INDEX OF SHEETS

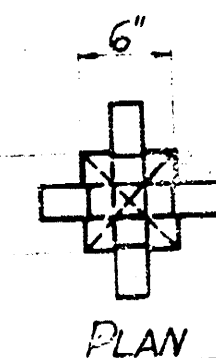
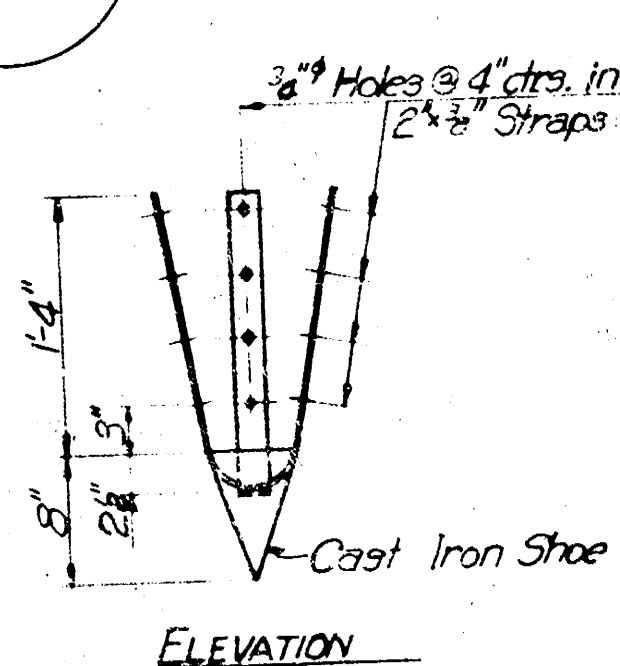
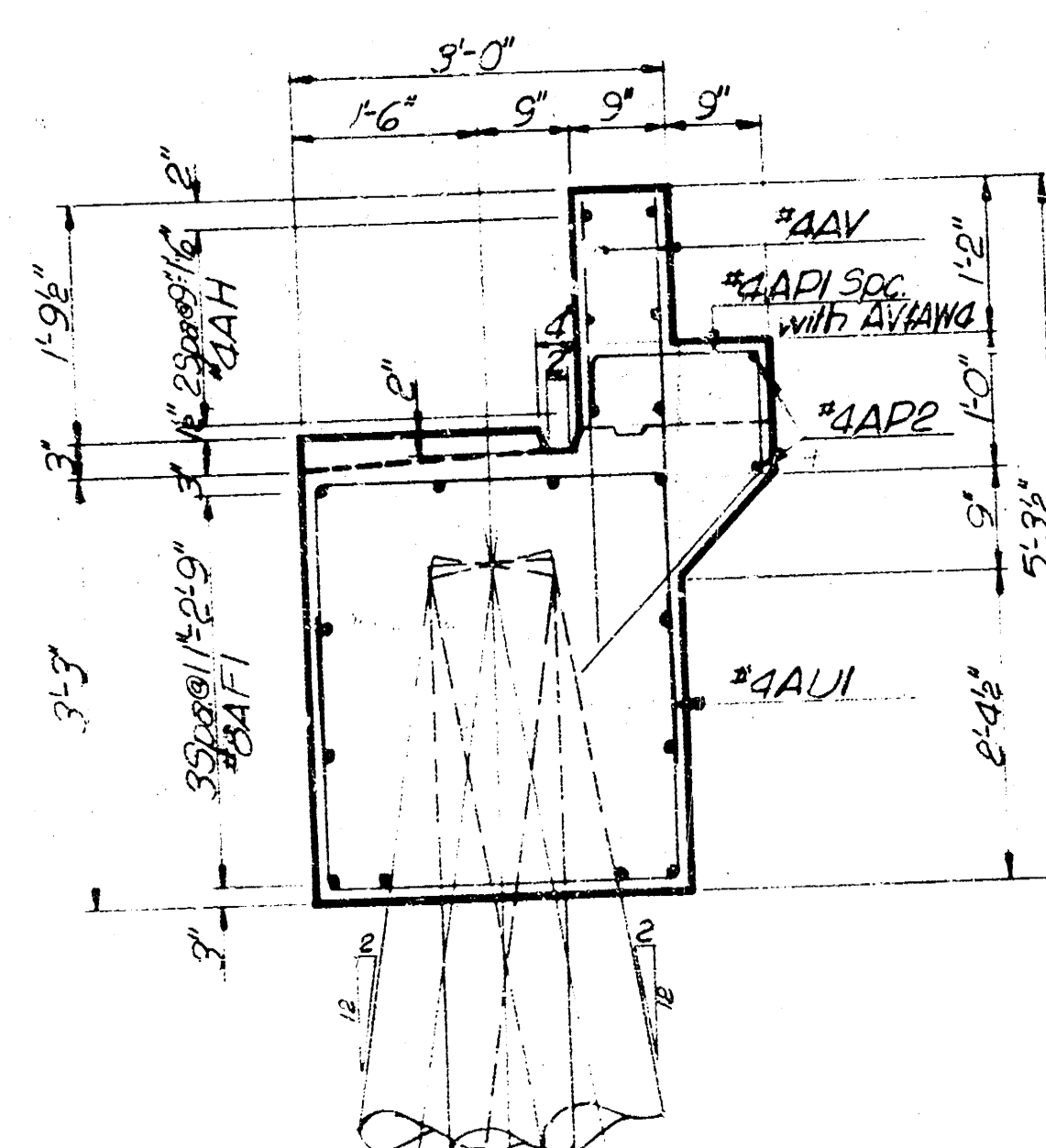
SHEET NO.	DESCRIPTION
1.	Title Sheet
2.	Construction Layout
3.	Abutment Details
4.	Pier Details
5.	Superstructure Details
6.	Auxiliary Details
7.	Bar Supports and Spacers







After concreting is complete, brick up these openings, using common brick in cement mortar; this work to be subsidiary to Class A Concrete bid item.

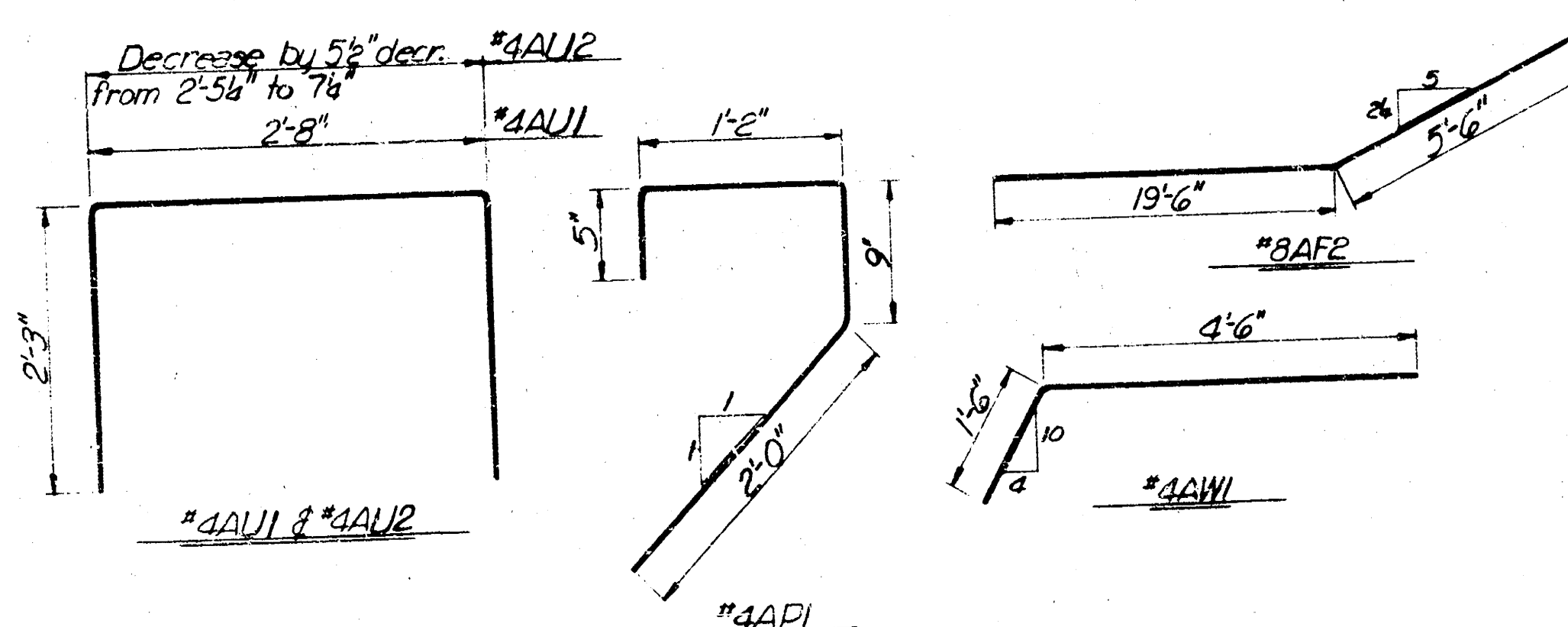


METAL PILE POINTS

Note:

Note:
Pile points shall be substantially symmetrical with tips centered. Not more than $\frac{1}{4}$ " concavity nor more than $\frac{1}{8}$ " convexity shall be permitted in the top face.

Pile points shall be fastened to pile by one 1"x4" boat spike or two 60-d spikes per hole.



BENDING DIAGRAMS

(All dimensions are out to out of bar)

[illegible]

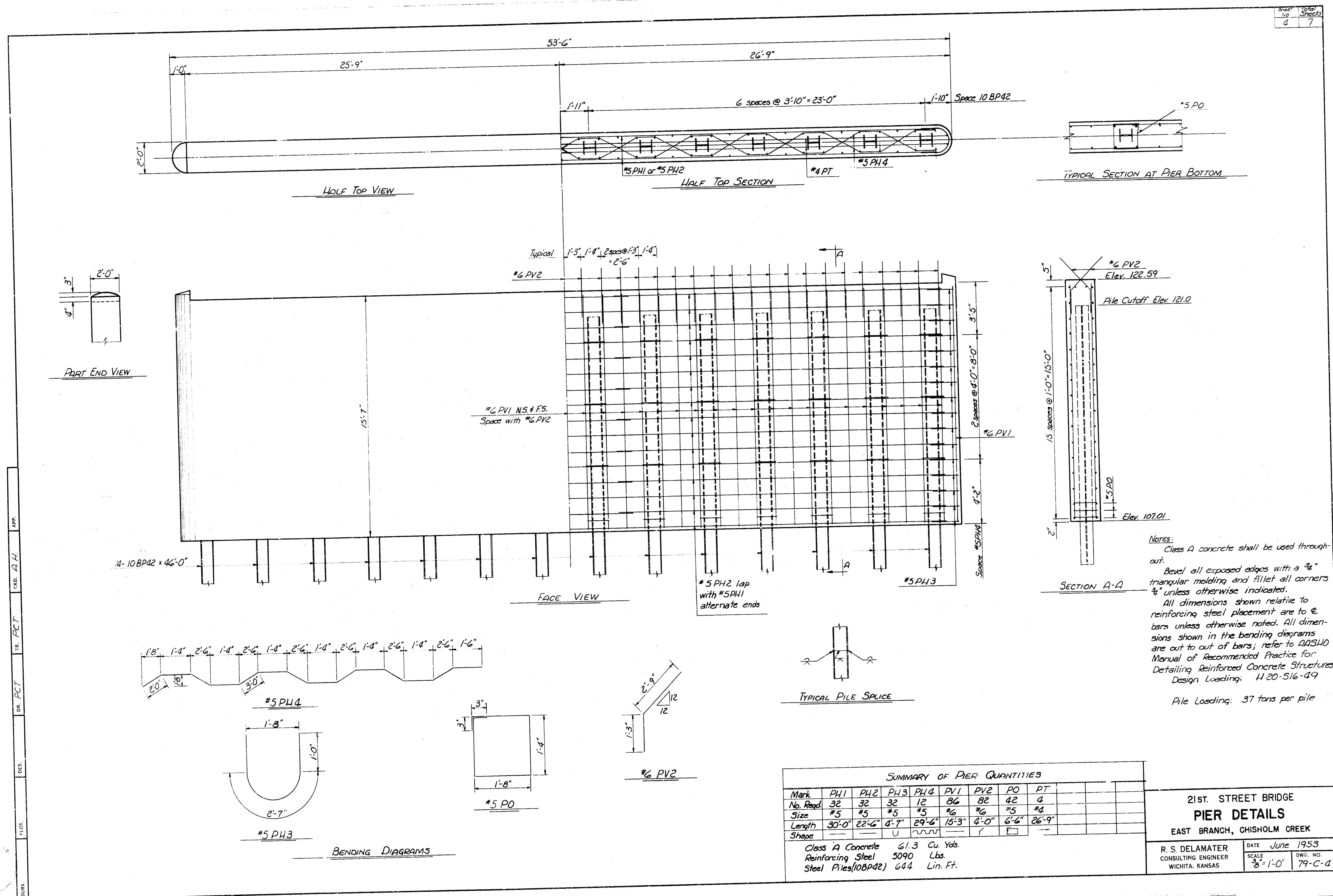
NOTES:
Class A Concrete shall be used throughout.
Bevel all exposed edges with a $\frac{1}{4}$ " triangular molding and fillet all corners $\frac{3}{8}$ " unless otherwise indicated.
All dimensions shown relative to reinforcing steel placement are to c/c of bars. Refer to AASHTO Manual of Recommended Practice for Detailing Reinforced Concrete Highway Structures.
See Sheet 6 for Handrail Details, Expansion Device Details and Abutment Bearing Device Details.

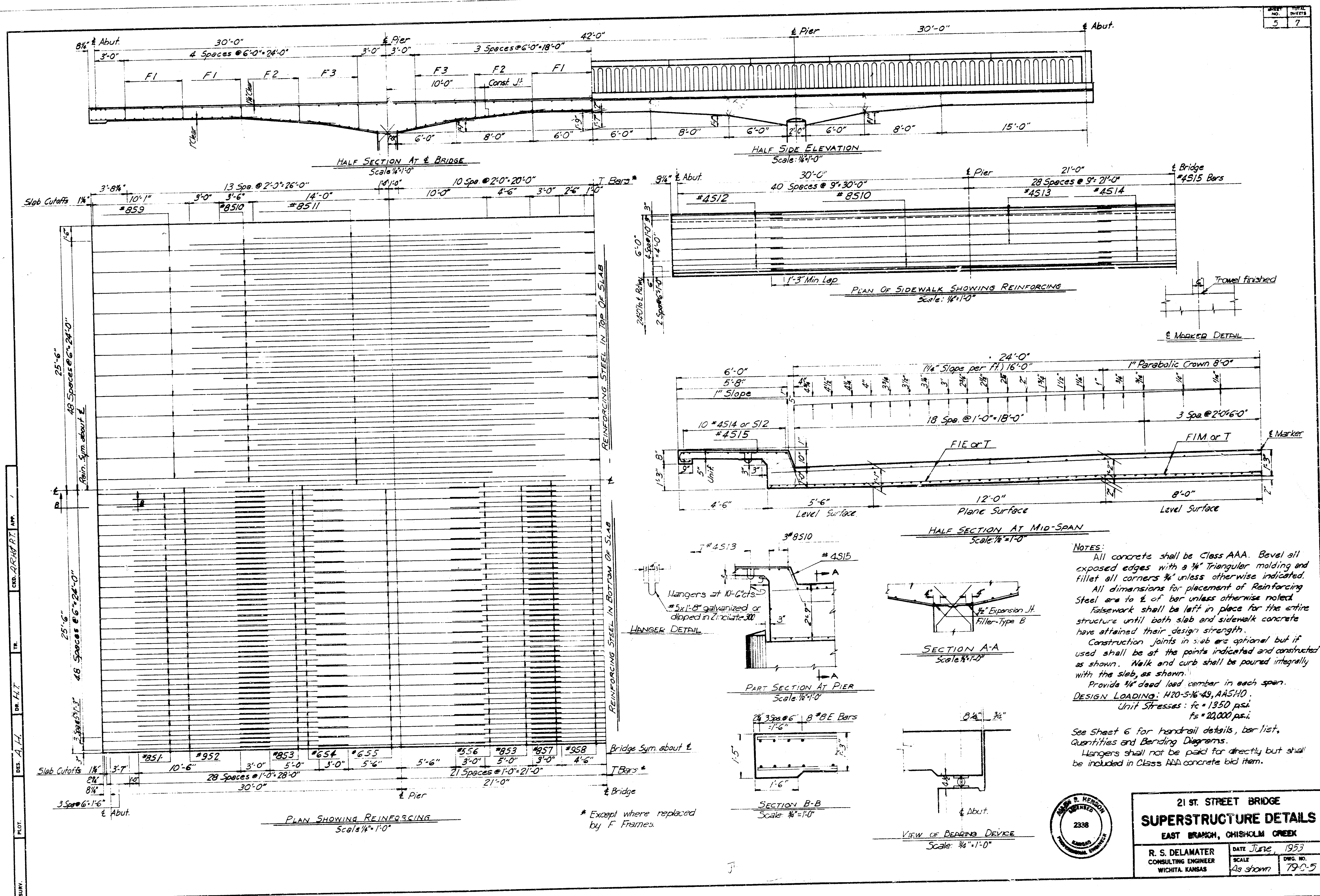


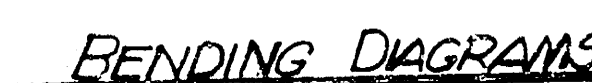
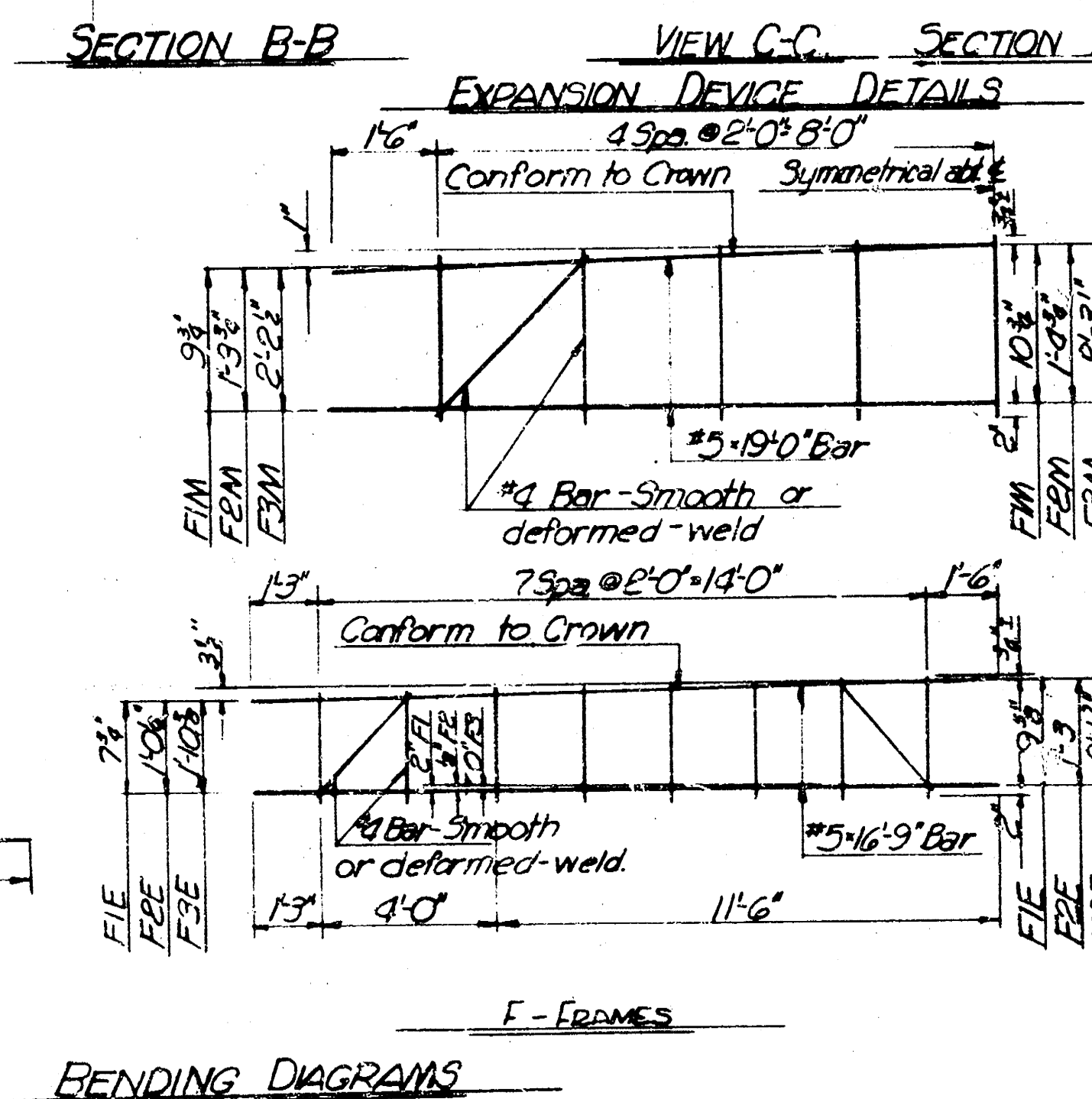
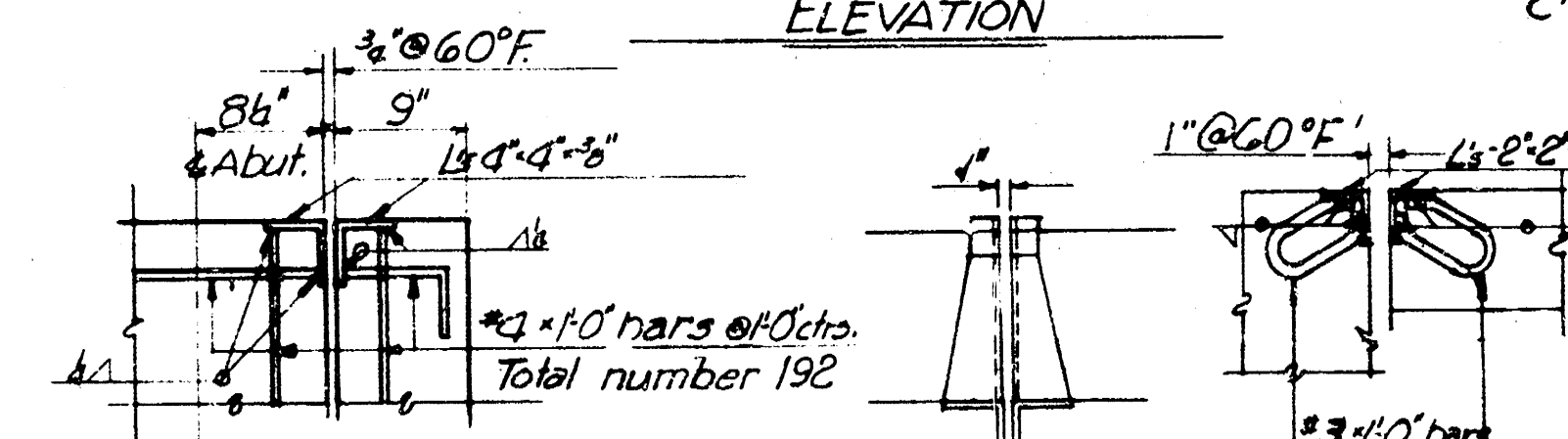
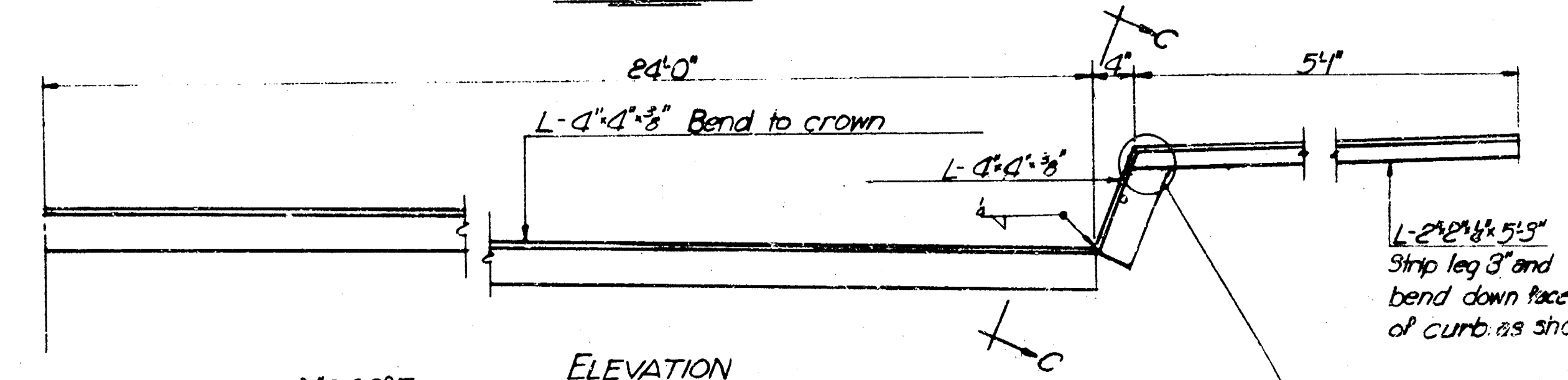
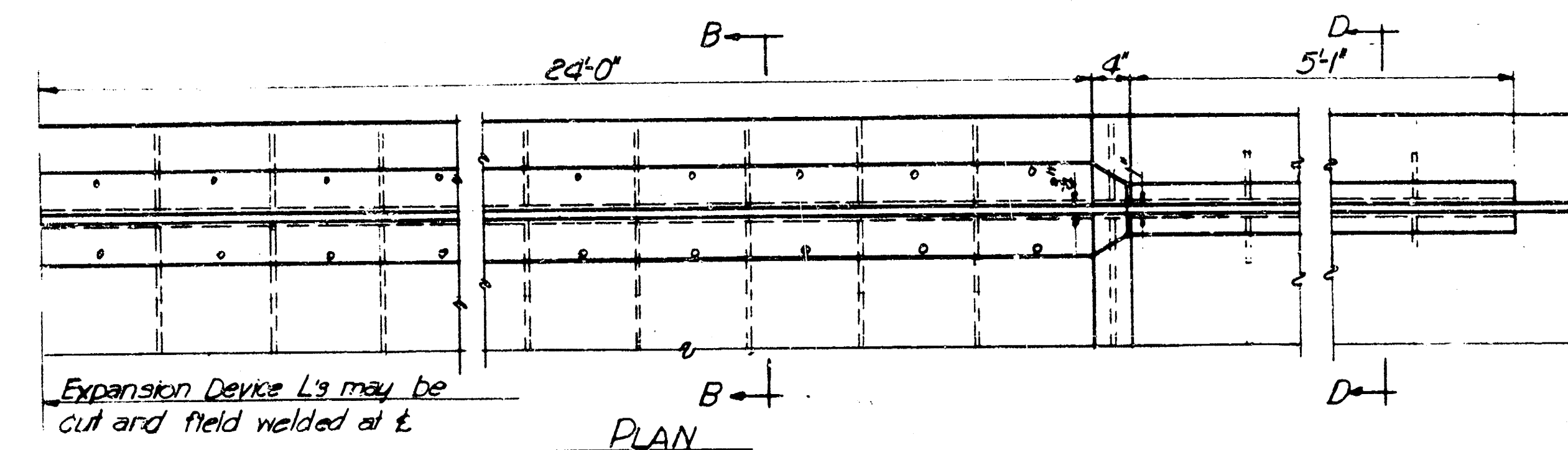
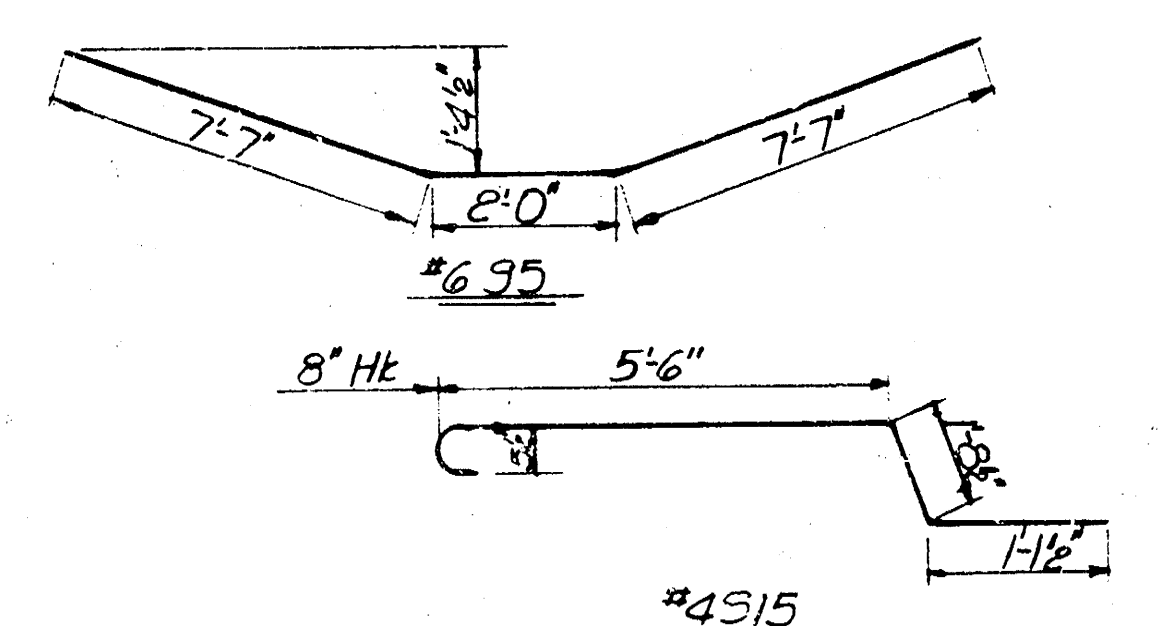
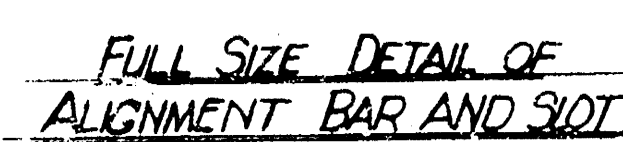
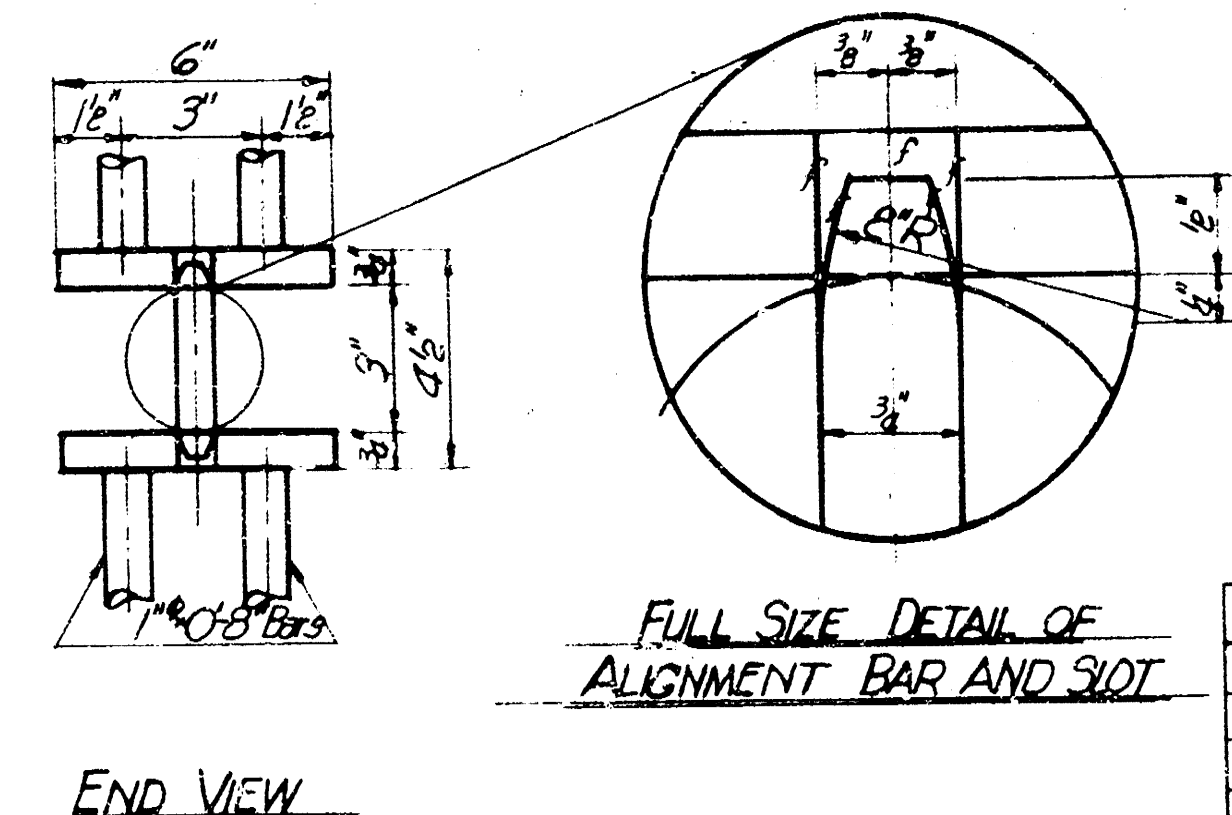
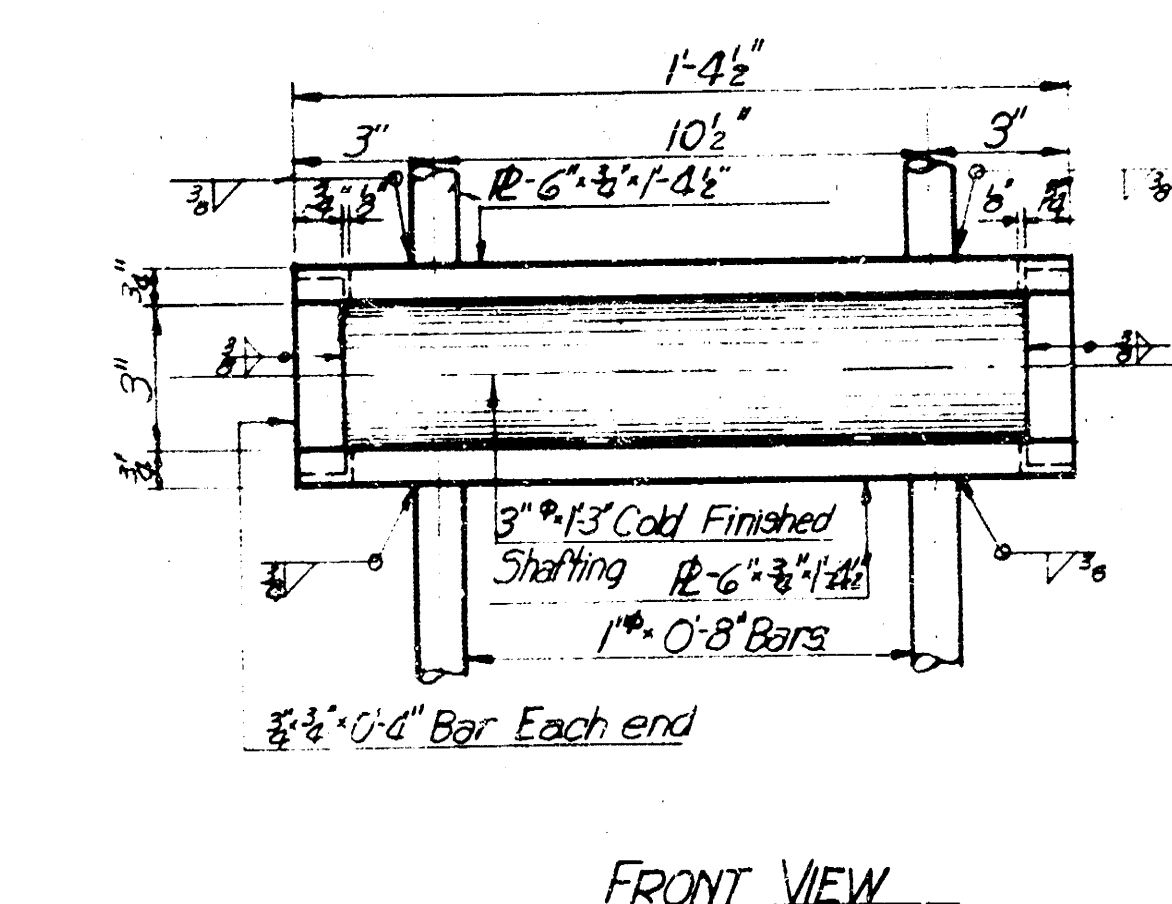
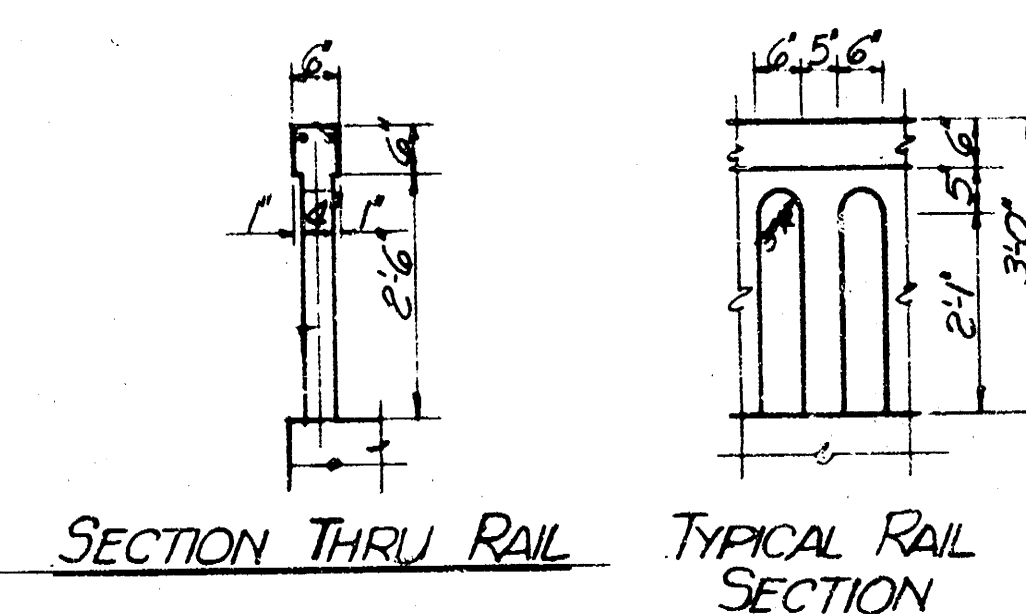
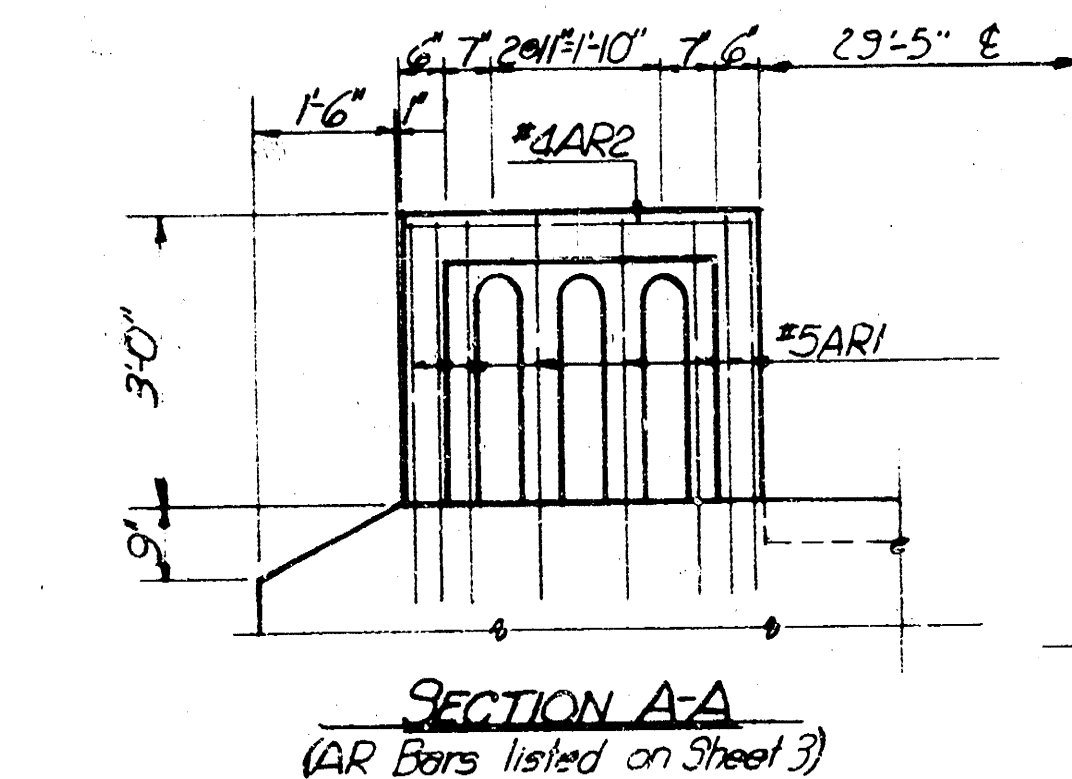
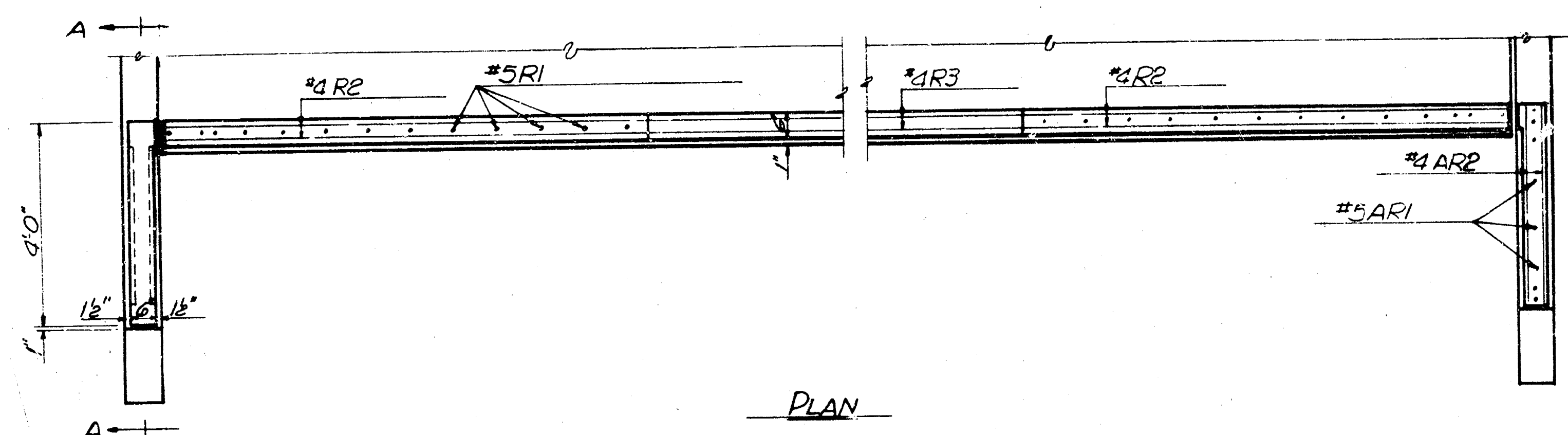
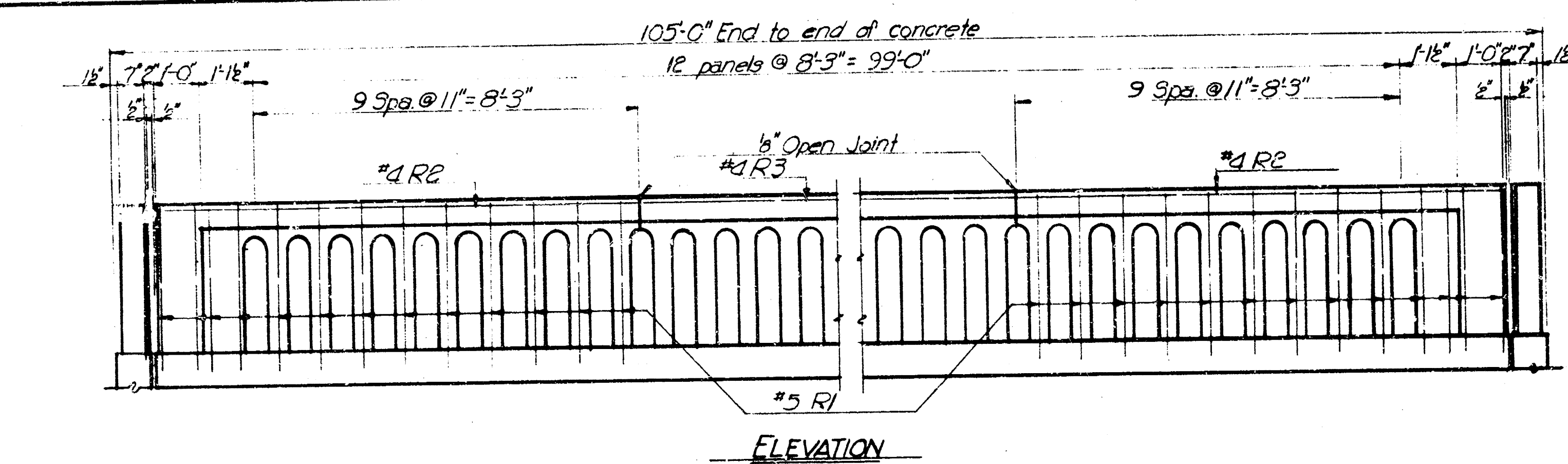
21 ST. STREET BRIDGE
ABUTMENT DETAILS
EAST BRANCH, CHISHOLM CREEK

R. S. DELAMATER CONSULTING ENGINEER WICHITA, KANSAS	DATE <i>June, 1953</i>	
	SCALE $\frac{3}{8}'' = 1'-0''$	DWG. NO. 79-C-3

DATE	June, 1953
SCALE	DWG. NO.
$\frac{3}{8}'' = 1'-0''$	796







SUPERSTRUCTURE QUANTITIES ABAR LIST														
Mark	E	F1M	F2M	F3M	F1E	F2E	F3E	R1	R2	R3	R1	R2	R3	R4
Nº Reps	32	9	4	18	8	8	8	232	8	40	104	102	208	105
Size	#8	*	*	*	*	*	*	#5	#4	#4	#8	#9	#8	#5
Length	26'-0"	*	*	*	*	*	*	34'-1"	10'-2"	8'-0"	17'-1"	13'-6"	11'-0"	8'-0"
Shape														
Mark	5/11	3/2	3/8	3/4	3/15	T								
Nº Reps	50	40	28	20	274	224								
Size	#8	#4	#4	#4	#4	#5								
Length	36'-0"	11'-4"	35'-0"	15'-4"	9'-0"	26'-3"								
Shape														
Class AAA Concrete Concrete Handrail Reinforcing Steel Expansion Devices Bearing Devices * See Bending Diagrams 328.7 Cu 206.5 Lin 53900 Lbs 2340 Lbs 2265 Lbs														

1701232: Bid Item "Concrete Handrail" shall include only concrete and labor needed. Reinforcing steel is included in the abutment and superstructure quantities. All concrete shall be Class A in handrail.

Bevel all exposed edges with a $\frac{3}{8}$ " triangular molding and fillet all corners $\frac{3}{8}$ " unless otherwise indicated.

All dimensions relative to placement of reinforcing steel are to & of bar unless otherwise noted. All dimensions in Bending Diagrams are out to out of bar. Refer to AASHTO Manual of Recommended Practices for Detailing Reinforced Concrete Highway Structures.

All welds shall be continuous fillet welds unless otherwise indicated.

All parts of Bearing Devices shall be Structural Steel. All rollers, bearing plates, anchor bars and alignment bars shall be included in the Bearing Device bid item.

All parts of Expansion Devices shall be painted as specified for Structural Steel by Kansas State Highway Commission specifications except those parts that are to be in contact with concrete when erected, which shall receive no paint.

21 ST. STREET BRIDGE
AUXILIARY DETAILS
EAST BRANCH CHISHOLM CREEK

R. S. DELAMATER
CONSULTING ENGINEER
WICHITA, KANSAS

DATE <i>June, 1953</i>	
SCALE <i>Use Dim.</i>	DWG. NO. <i>79-C-6</i>

