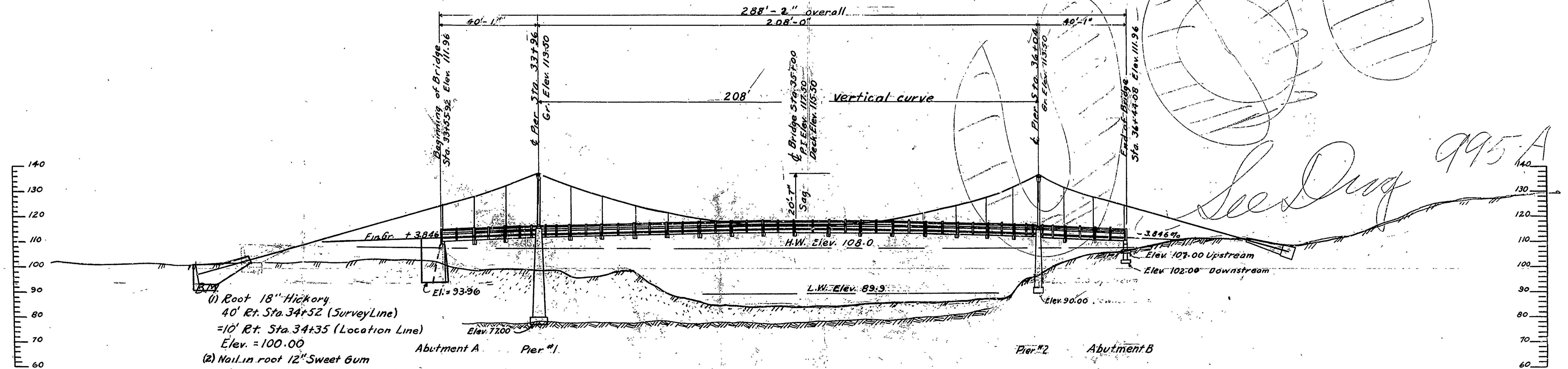
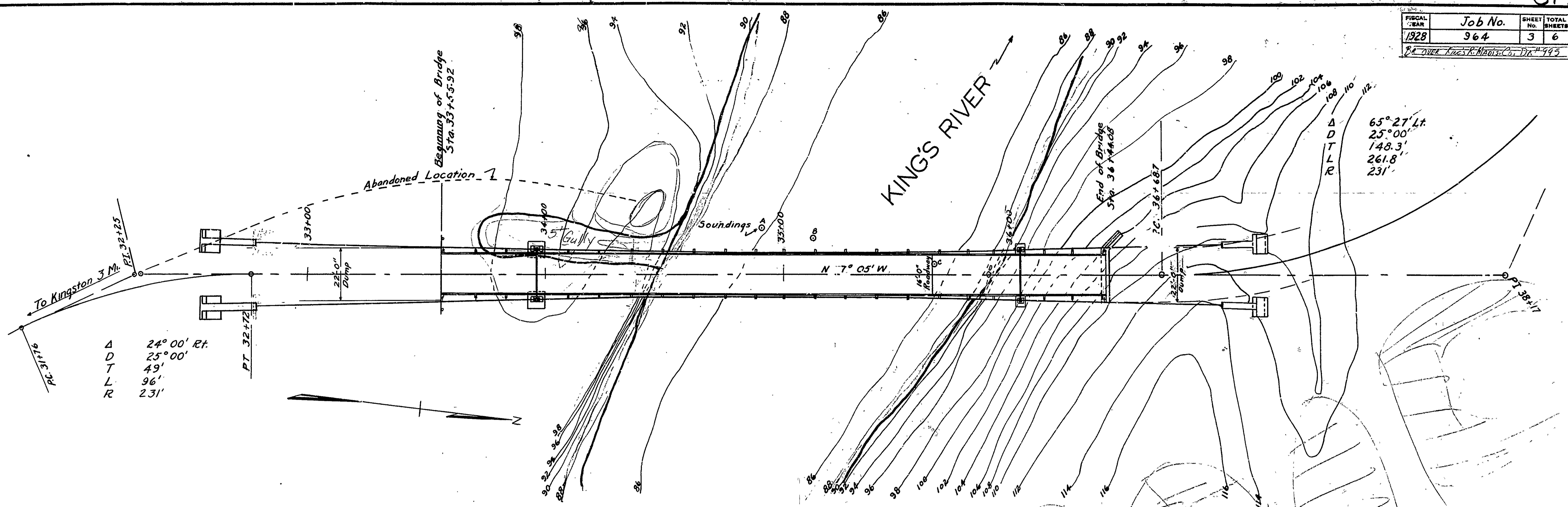


FISCAL YEAR	Job No.	SHEET No.	TOTAL SHEETS
1928	964	3	6

By Order: Louis K. Madis, Ch. Engr. No. 495



- (1) Root 18" Hickory
40' Rt. Sta. 34+52 (Survey Line)
= 10' Rt. Sta. 34+35 (Location Line)
Elev. = 100.00
- (2) Nail in root 12" Sweet Gum
25' Rt. Sta. 36+74.6 (Survey Line)
= 30' Rt. Sta. 36+60 (Location Line)
Elev. = 114.30

NOTE:- Final location and elevation of anchors and length of cable to be determined in field after excavations are opened.
Anchors at north end keyed into sound rock.
Anchors at south end to be buried not less than shown above. Ground elevation 15' in front of anchor to be not less than 8' above bottom of anchor.
Anchor to be back filled with boulders with voids filled with natural soil puddled into place.

Rock Elevation	78.3	78.7	82.6	86.0
	A	B	C	D

SOUNDINGS

RA. 110 sq. mi. Mount.

See Prop 995-A

LAYOUT OF
BRIDGE OVER KING'S RIVER
MADISON CO.
ROUTE 21 SEC. 4
ARKANSAS STATE HIGHWAY DEPARTMENT
LITTLE ROCK, ARK.
Scale: 1 in. = 20 ft.
BRIDGE NO. 887 DRAWING NO. 995

M.B. Jones
BRIDGE ENGINEER

32100

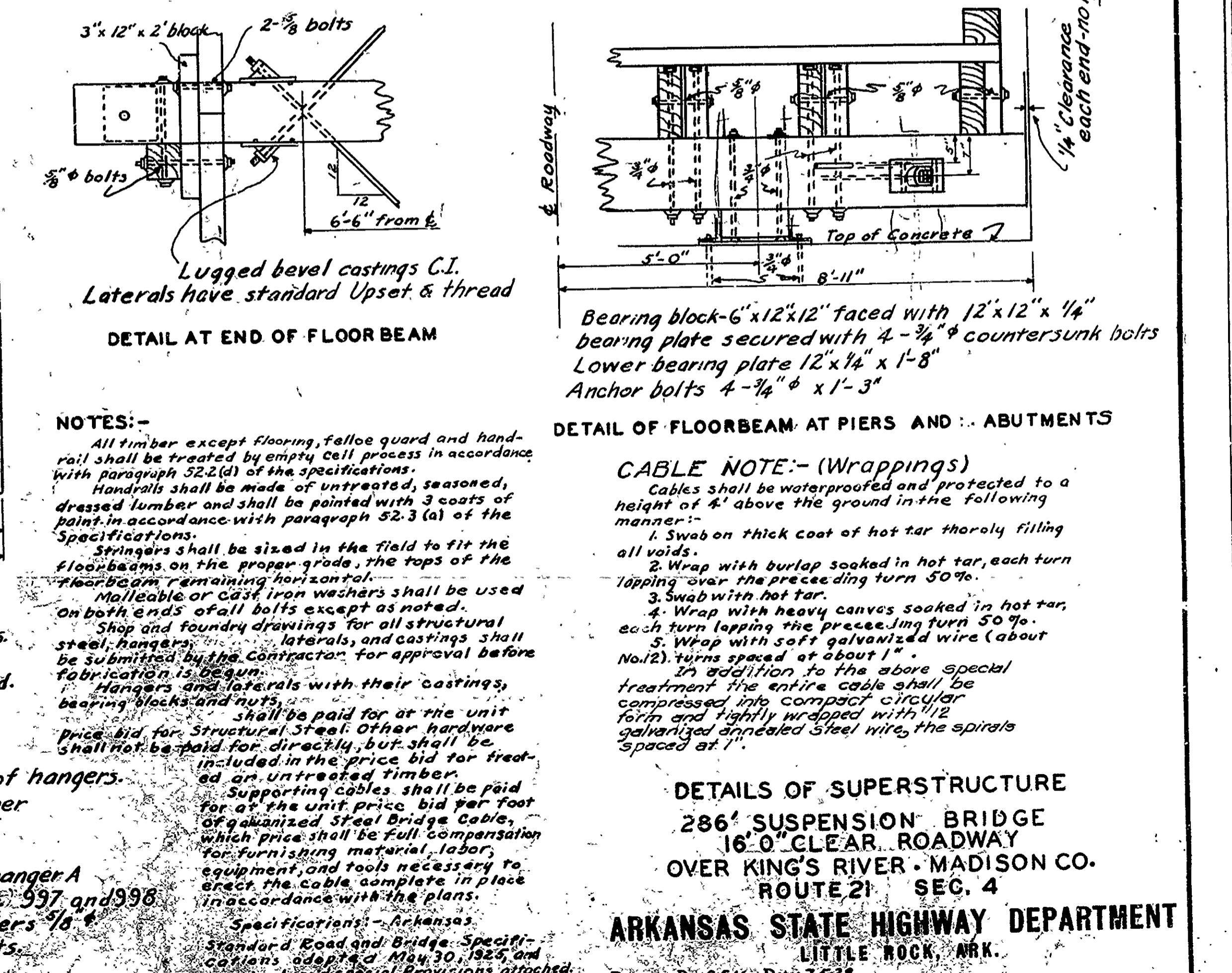
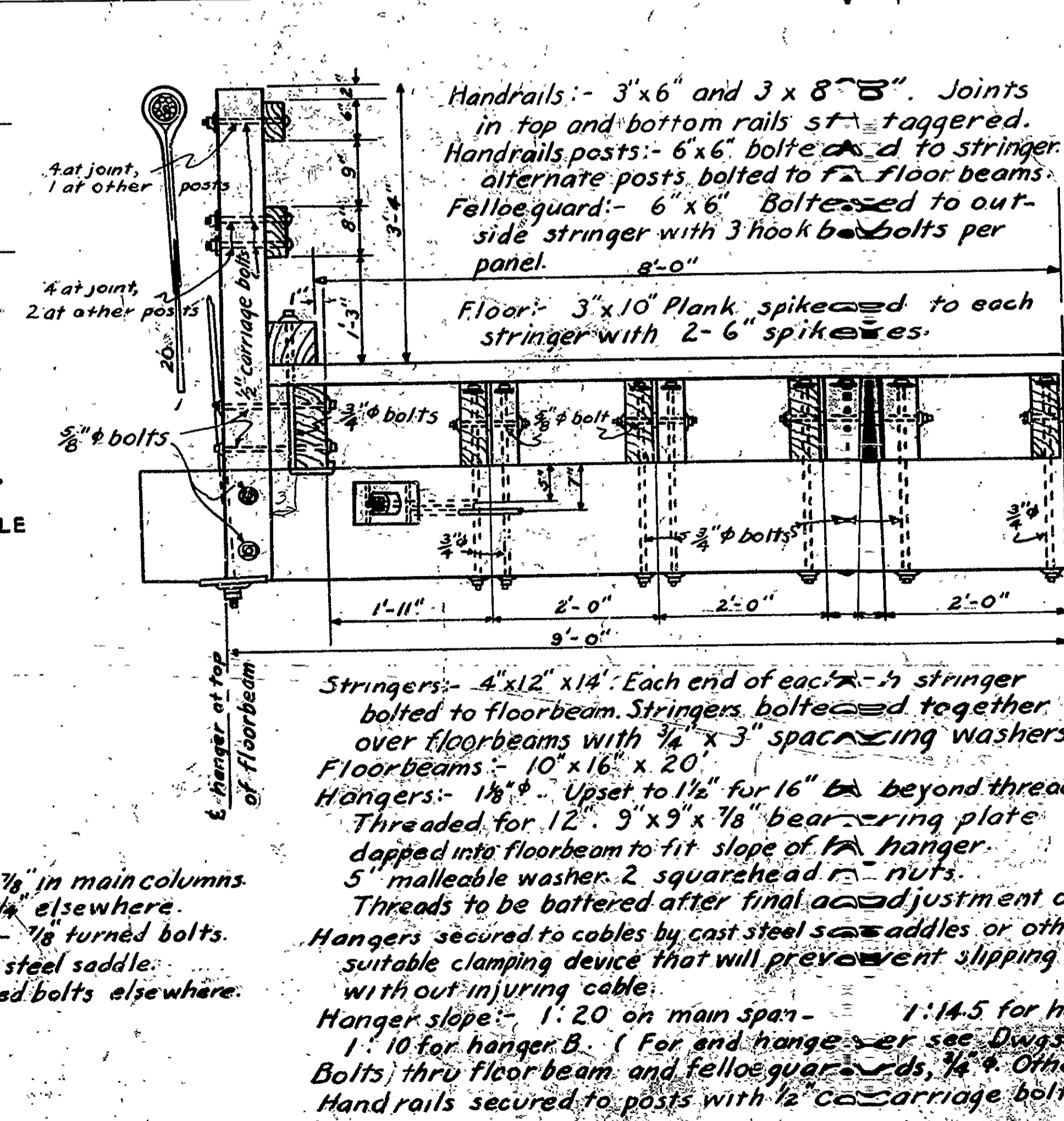
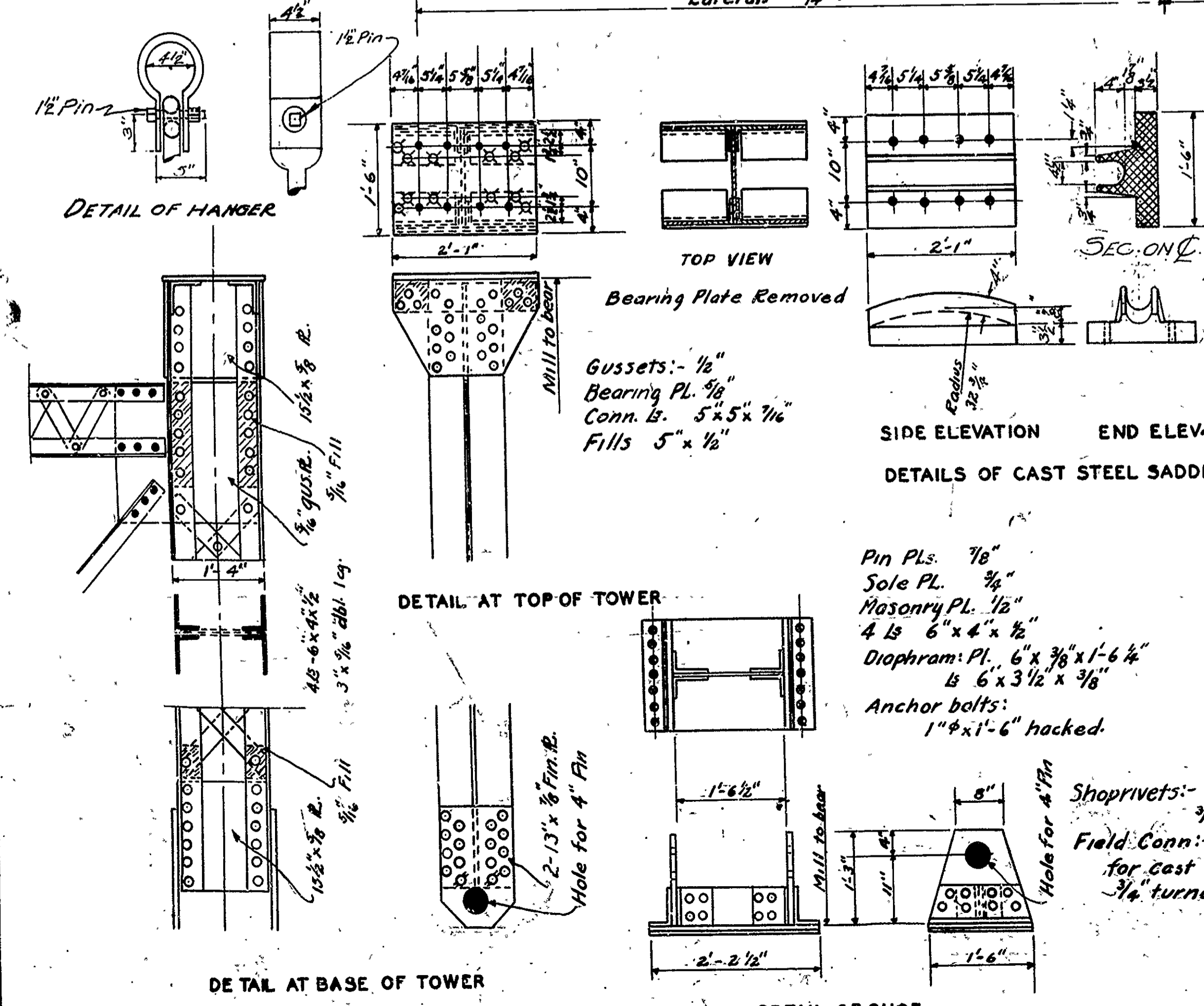
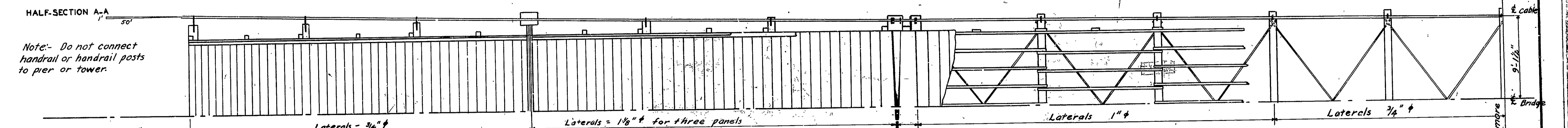
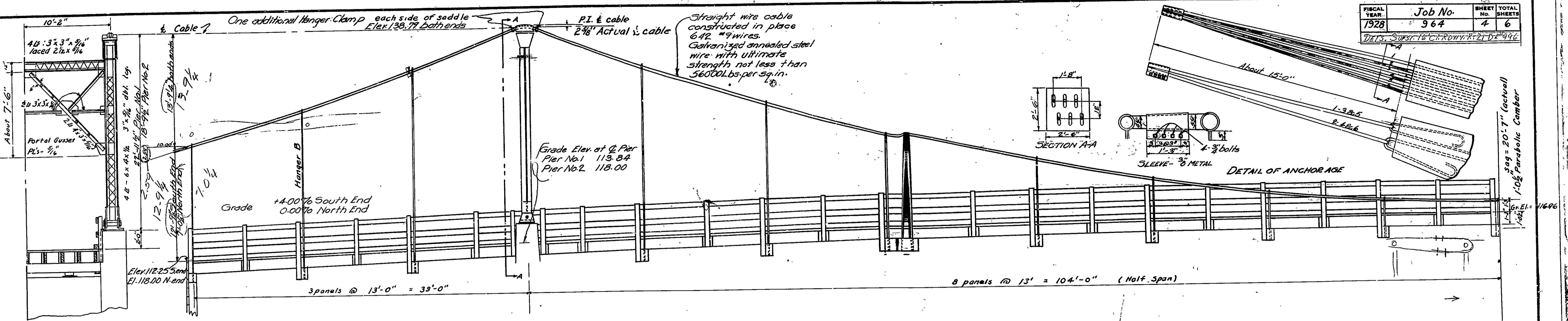
34100

35100

36100

FISCAL YEAR	Job No.	SHEET	TOTAL SHEETS
1928	964	4	6

Des. Surv. 16 Chrom. R. 21 D. 996



NOTES: -

All timber except flooring, fello guard and handrail shall be treated by empty cell process in accordance with paragraph 52.2(d) of the specifications.

Handrails shall be made of untreated, seasoned, dressed lumber and shall be painted with 3 coats of paint in accordance with paragraph 52.3 (a) of the specifications.

Stringers shall be sized in the field to fit the floorbeams on the proper grade, the tops of the floorbeams remaining horizontal.

Malleable or cast iron washers shall be used on both ends of all bolts except as noted.

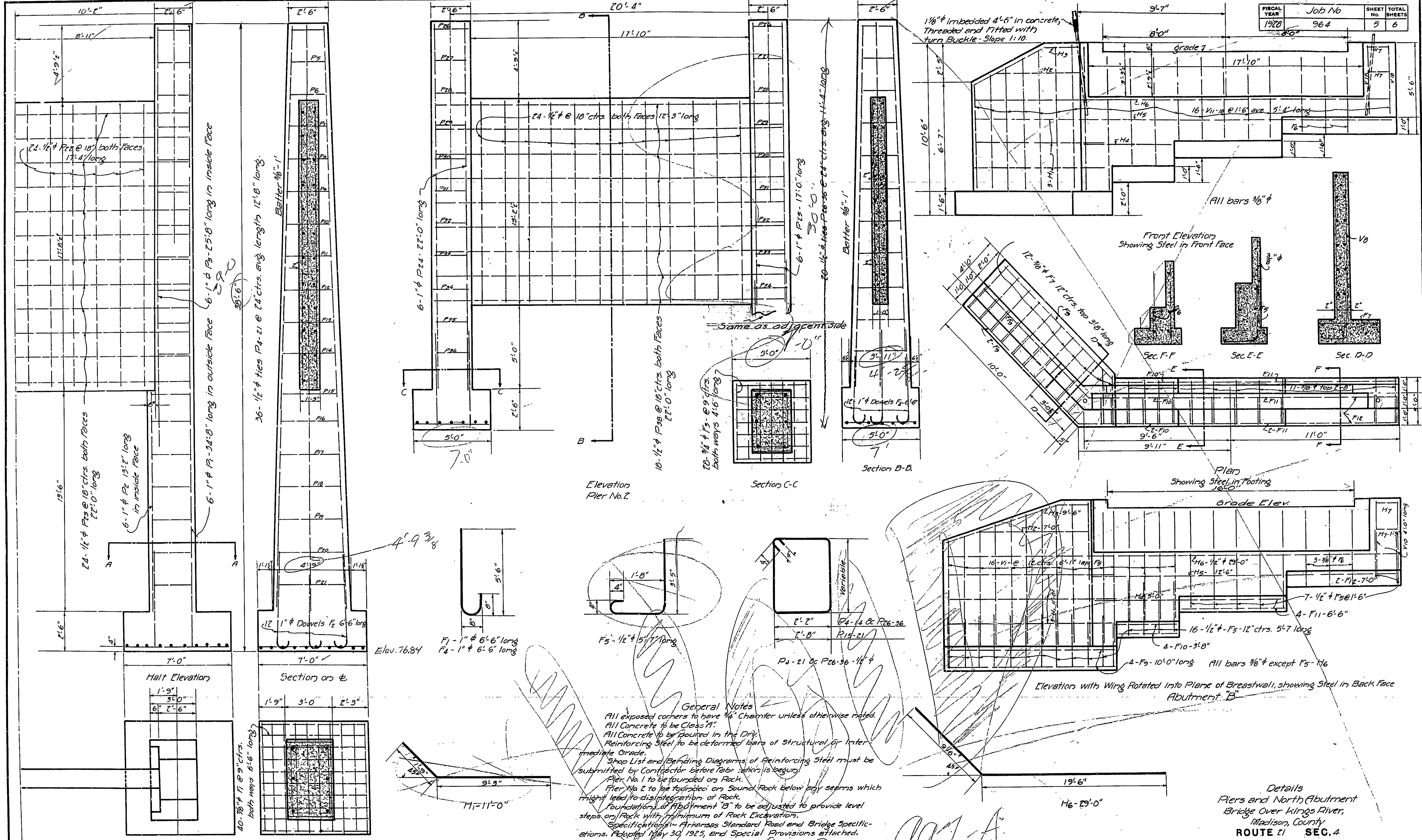
Shop and foundry drawings for all structural steel, hangers, laterals, and castings shall be submitted by the contractor for approval before fabrication.

Hangers and laterals with their castings, bearing blocks and nuts shall be paid for at the unit price bid for Structural Steel. Other hardware shall not be paid for directly, but shall be included in the price bid for treated or untreated timber.

Supporting cables shall be paid for at the unit price bid per foot of galvanized steel bridge cable, which price shall be full compensation for furnishing material, labor, equipment, and tools necessary to erect the cable complete in place in accordance with the plans.

Specifications - Arkansas Standard Road and Bridge Specifications, dated May 30, 1925, and revised, and special provisions attached.

YEAR	Job No	SHEET	TOTAL SHEETS
1928	964	5	6



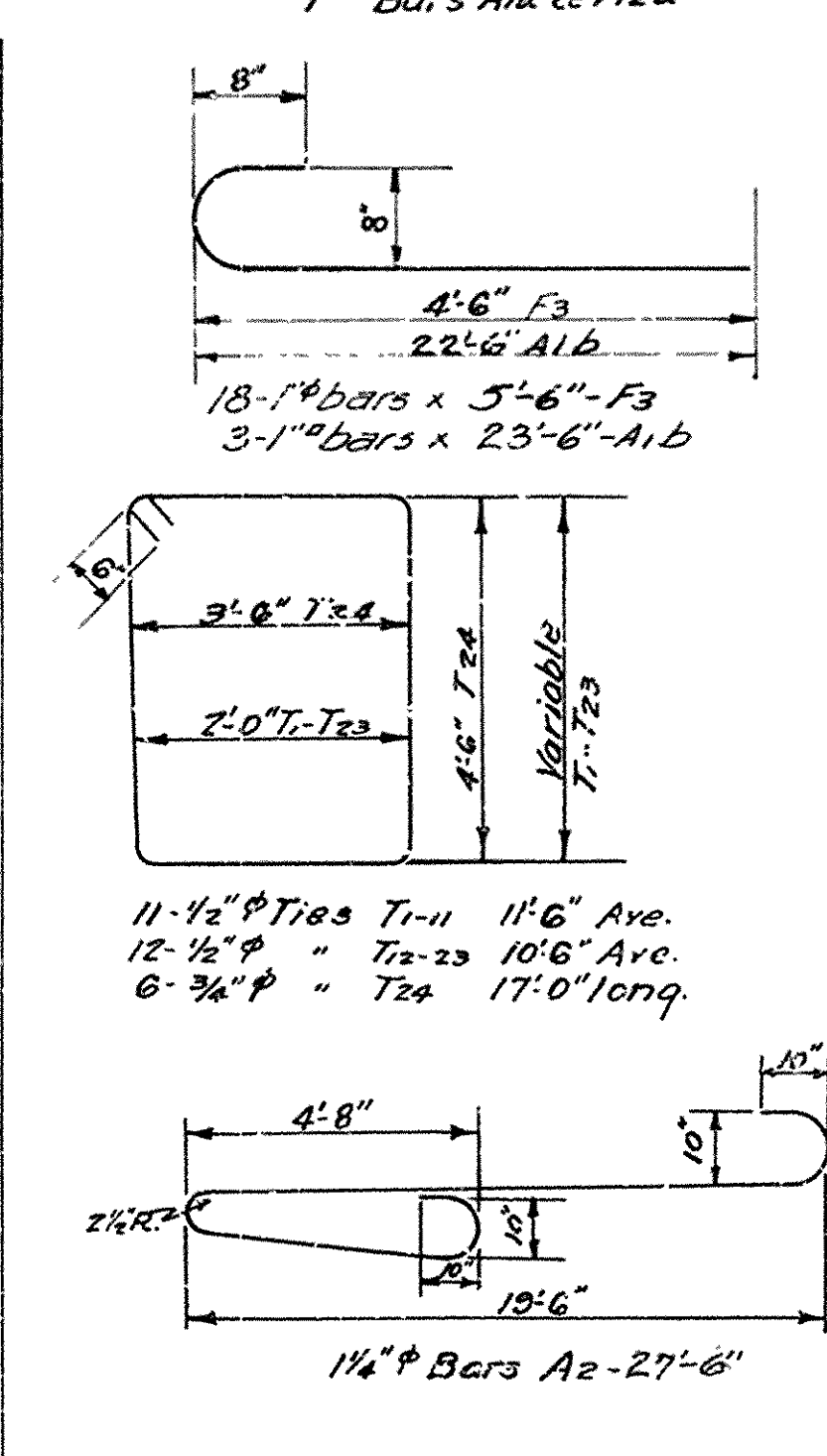
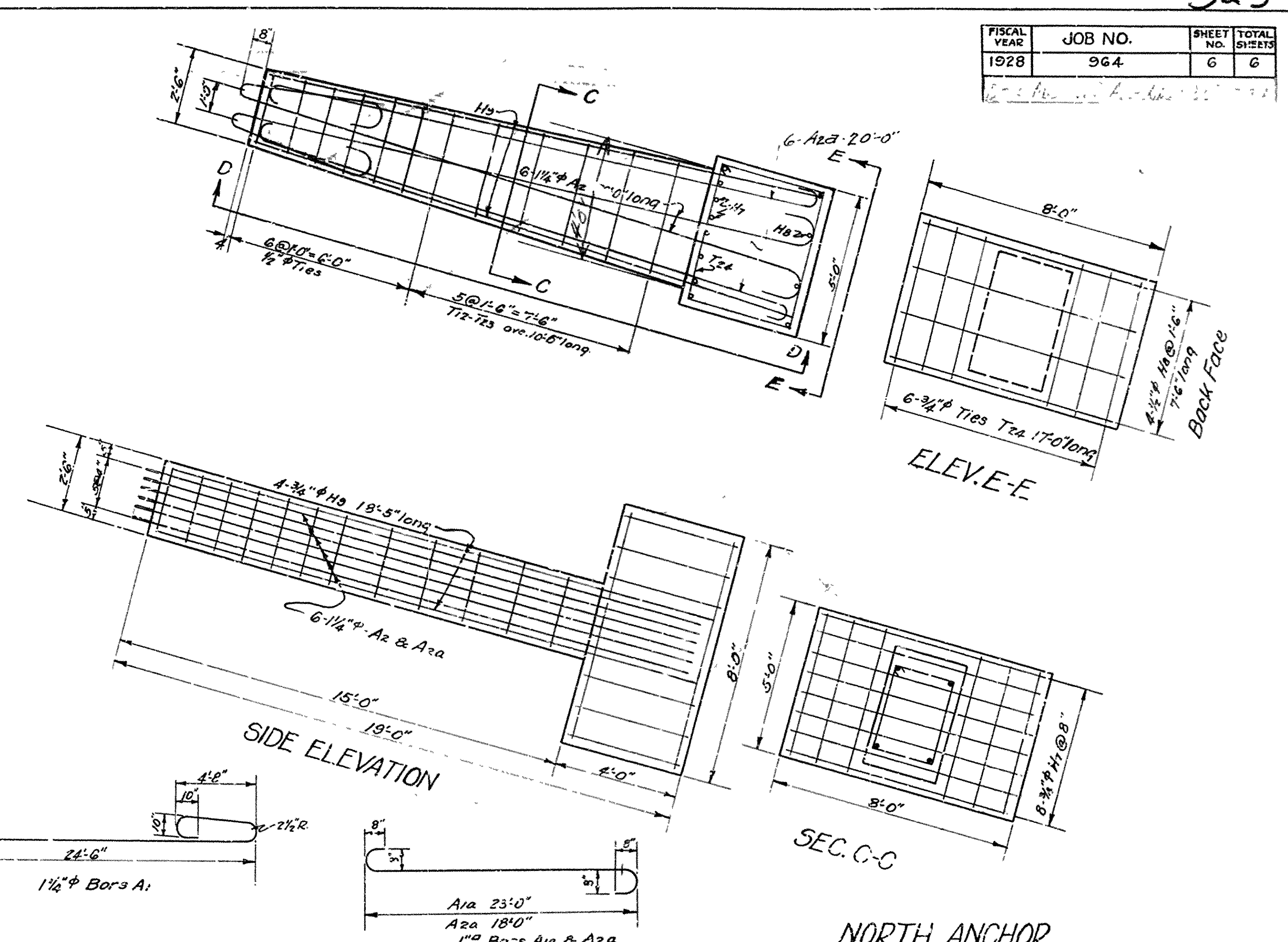
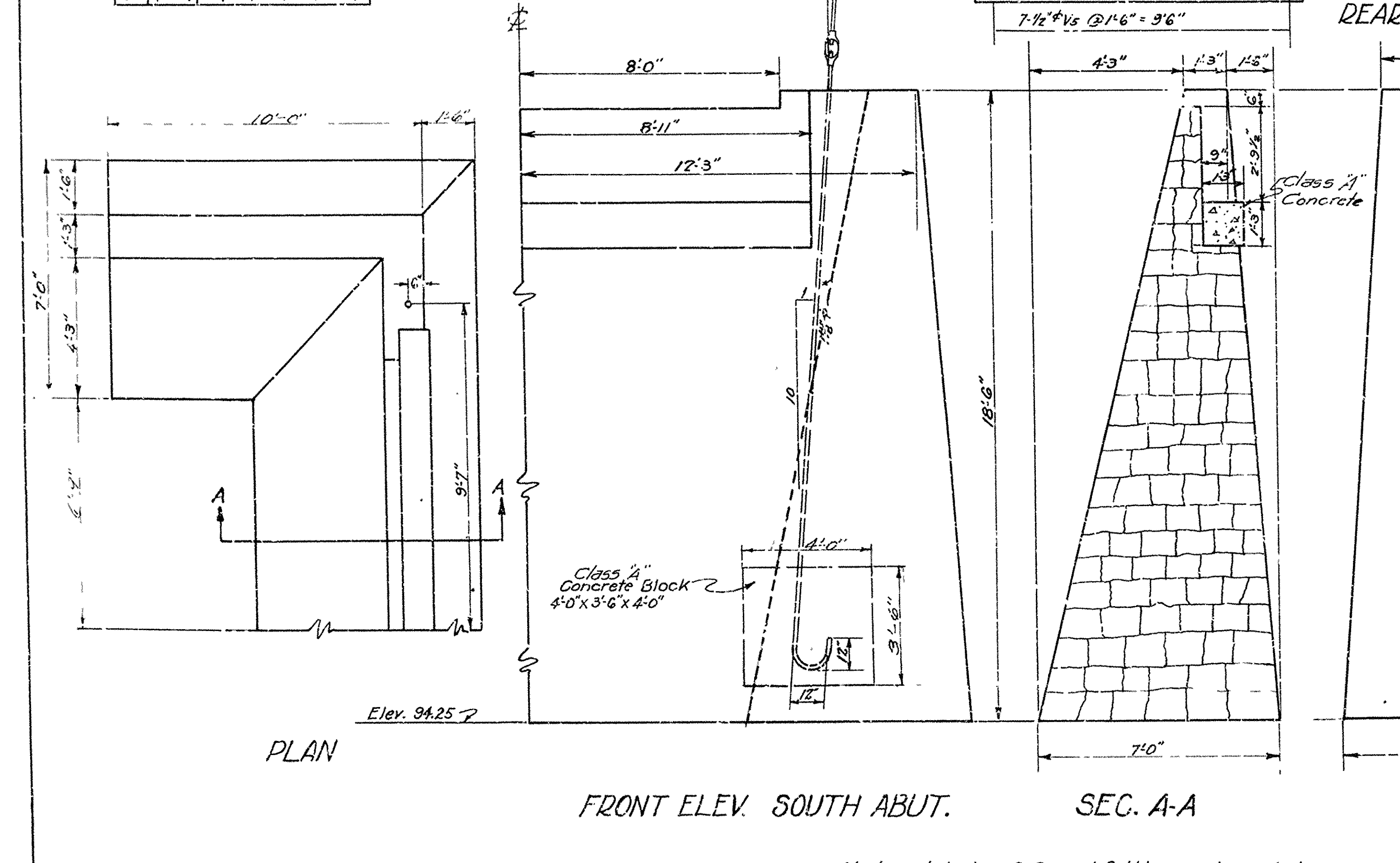
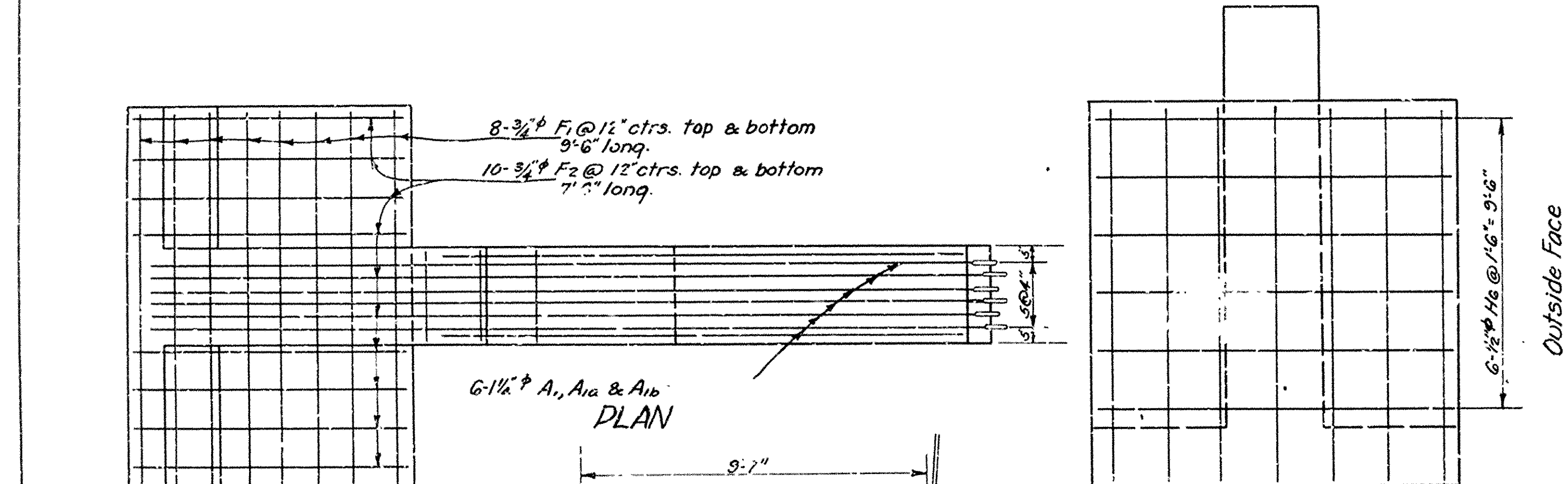
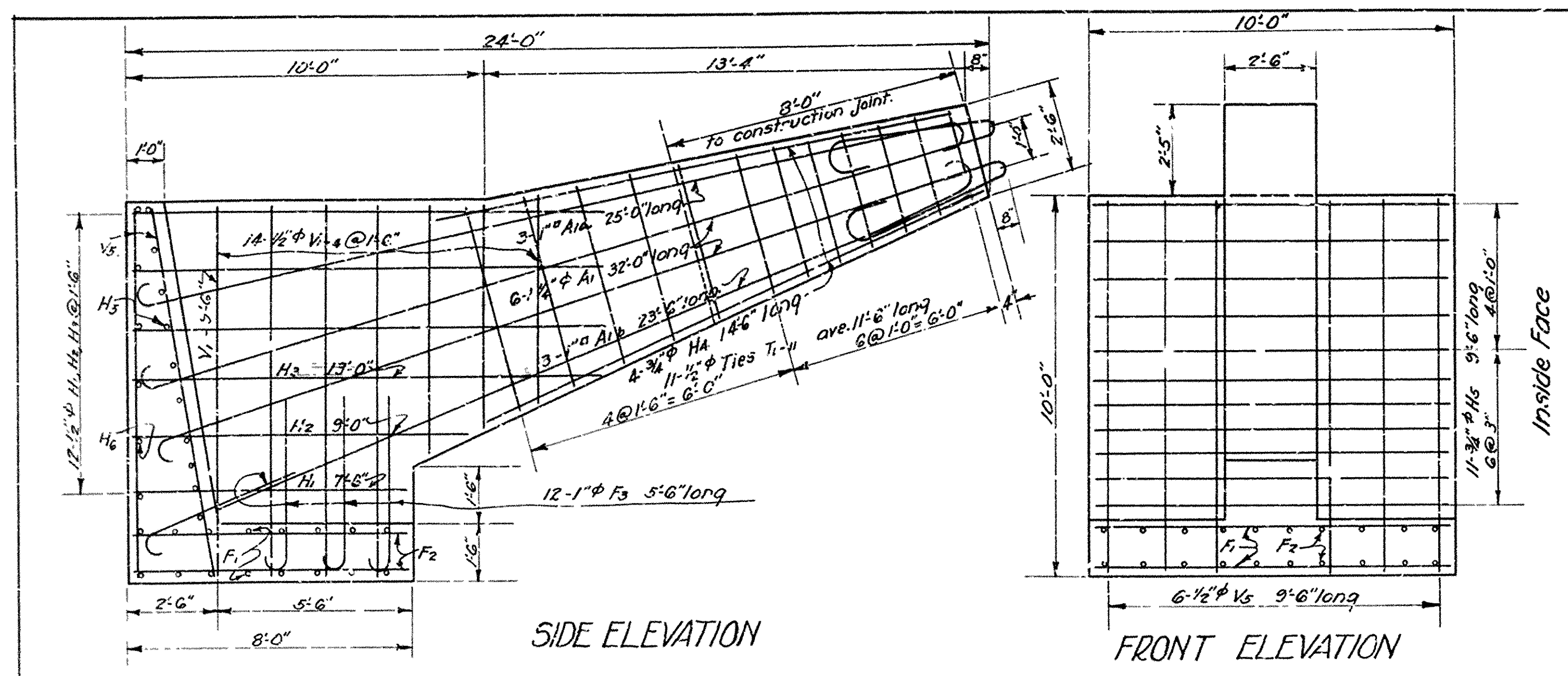
General Notes
 All exposed corners to have 3/4" Chamfer unless otherwise noted.
 All Concrete to be Class "A".
 All Concrete to be poured in the Dry.
 Reinforcing Steel to be deformed bars of Structural or Intermediate Grade.
 Shop List and Bending Diagrams of Reinforcing Steel must be submitted by Contractor before fabrication is begun.
 Pier No. 1 to be founded on Rock.
 Pier No. 2 to be founded on Sound Rock below any seams which might lead to disintegration of Rock.
 Foundations of Abutment "B" to be adjusted to provide level steps on Rock with minimum of Rock Excavation.
 Specifications - Arkansas Standard Road and Bridge Specifications, Adopted May 30, 1925, and Special Provisions attached.

Details
 Piers and North Abutment
 Bridge Over Kings River,
 Madison County
 ROUTE 21 SEC. 4
ARKANSAS STATE HIGHWAY DEPARTMENT
 LITTLE ROCK, ARK.
 Drawn By: *P.S.V.* Date: 2/9/28
 Traced By: *M.S.* Date: 7/15/28
 Checked By: _____ Date: _____
 Scale: 3/8" in. = 1' ft.
BRIDGE NO. 887 **DRAWING NO. 997**

See Drawing 997 A

N.B. Isaac
 BRIDGE ENGINEER

FISCAL YEAR	JOB NO.	SHEET NO.	TOTAL SHEETS
1928	964	6	6



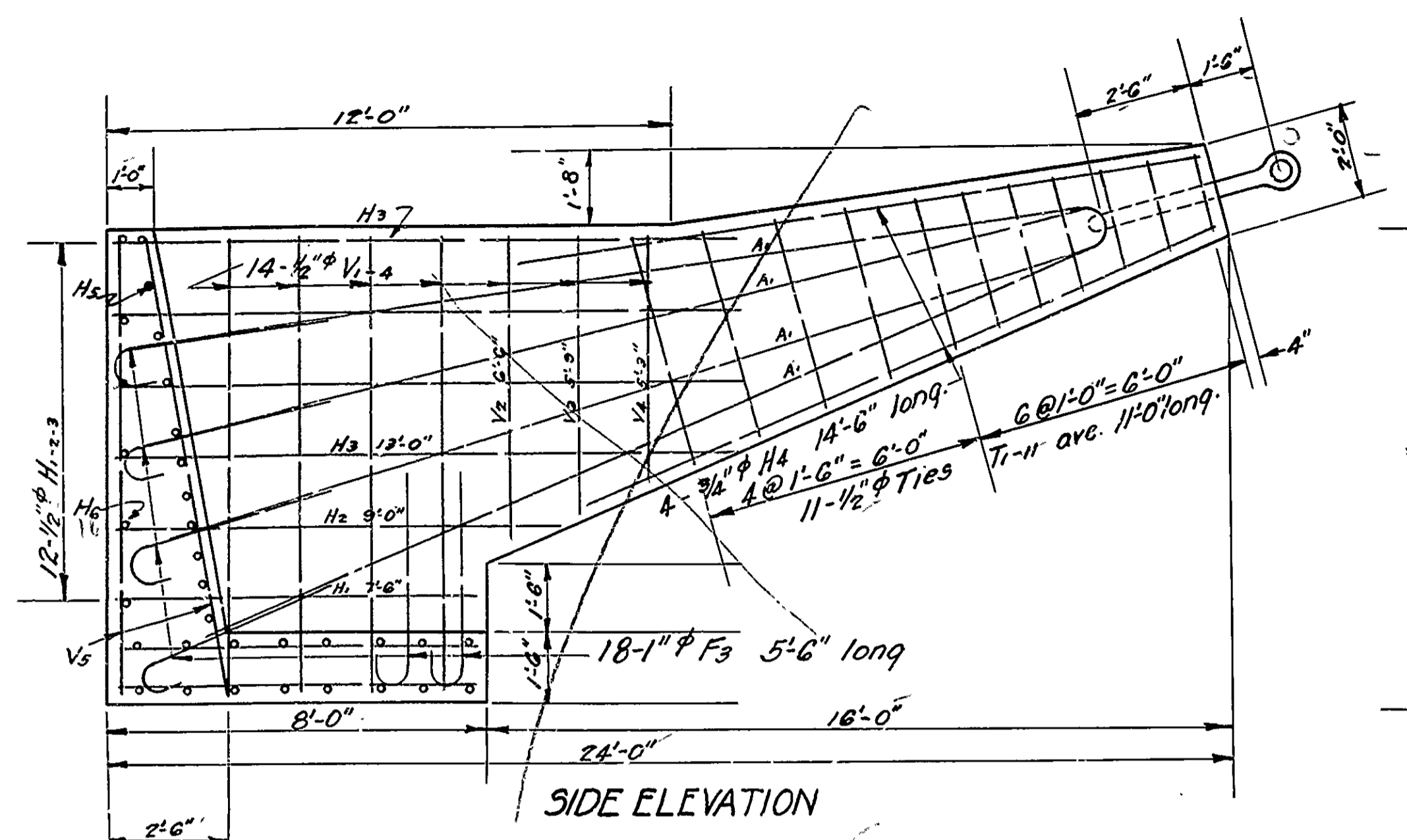
GENERAL NOTE

All Concrete to be Class "A"
 All exposed corners chamfered 3/4"
 All concrete to be poured in the dry.
 Reinforcing Steel to be deformed bars of Structural or Intermediate Grade
 Shop List and Bending Diagrams of Reinforcing Steel must be submitted by Contractor before fabrication is begun.
 Specifications: - Arkansas Standard Road and Bridge Specifications, adopted May 30, 1925, and Revised and Special Provisions attached.

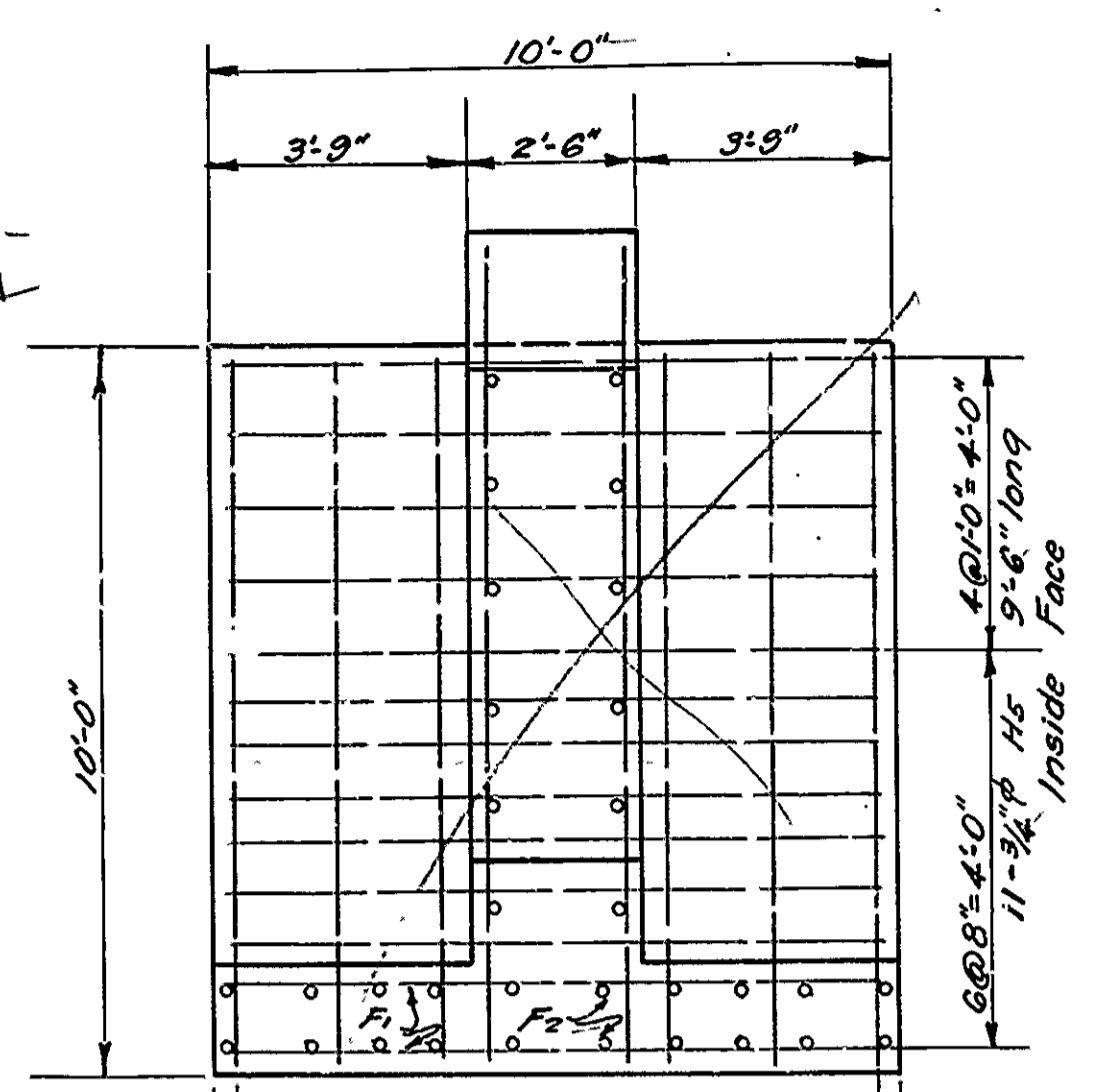
DETAILS
ANCHORS & SOUTH ABUTMENT
BRIDGE OVER KINGS RIVER
MADISON COUNTY
ROUTE 21 SEC. 4
ARKANSAS STATE HIGHWAY DEPT.
 LITTLE ROCK, ARK.
 Drawn by: G.S.V. Date: 7/20/28
 Traced by: G.A. Date: 7/21/28
 Checked by: Date:
 Scale 3/8"=1ft.
 BRIDGE No. 887 DRAWING No. 998A

Abutment to be of Cement Rubble except as noted

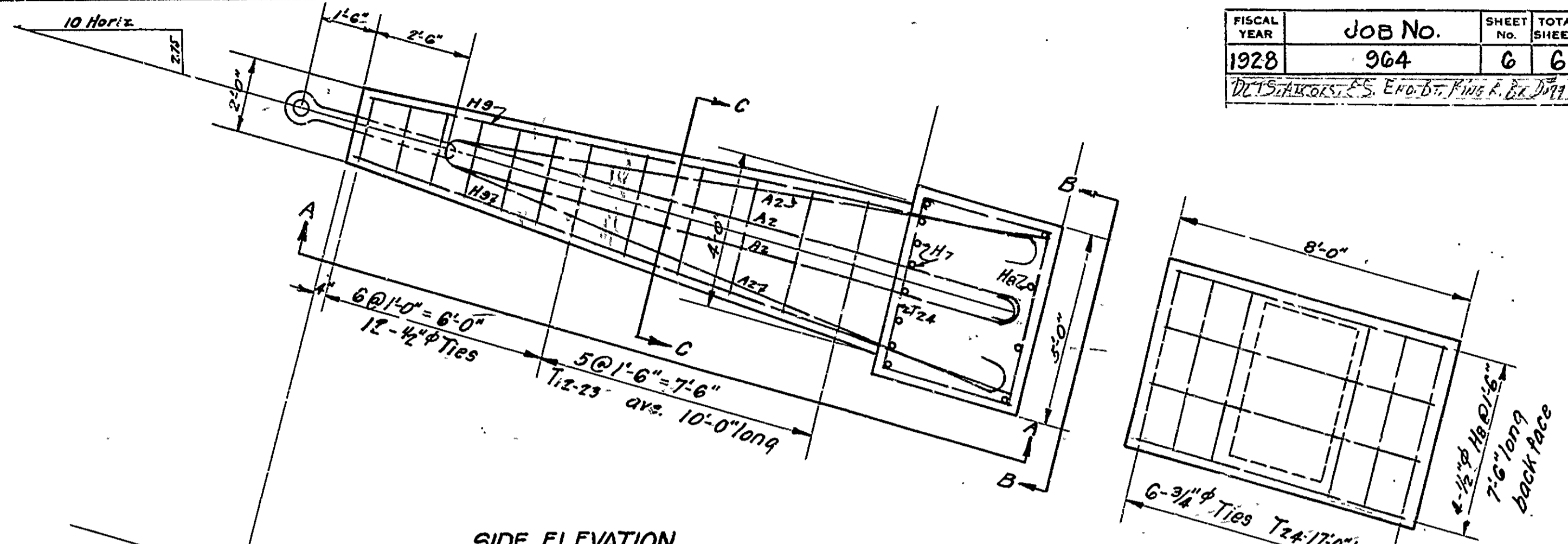
FISCAL YEAR	JOB NO.	SHEET NO.	TOTAL SHEETS
1928	964	6	6



SIDE ELEVATION

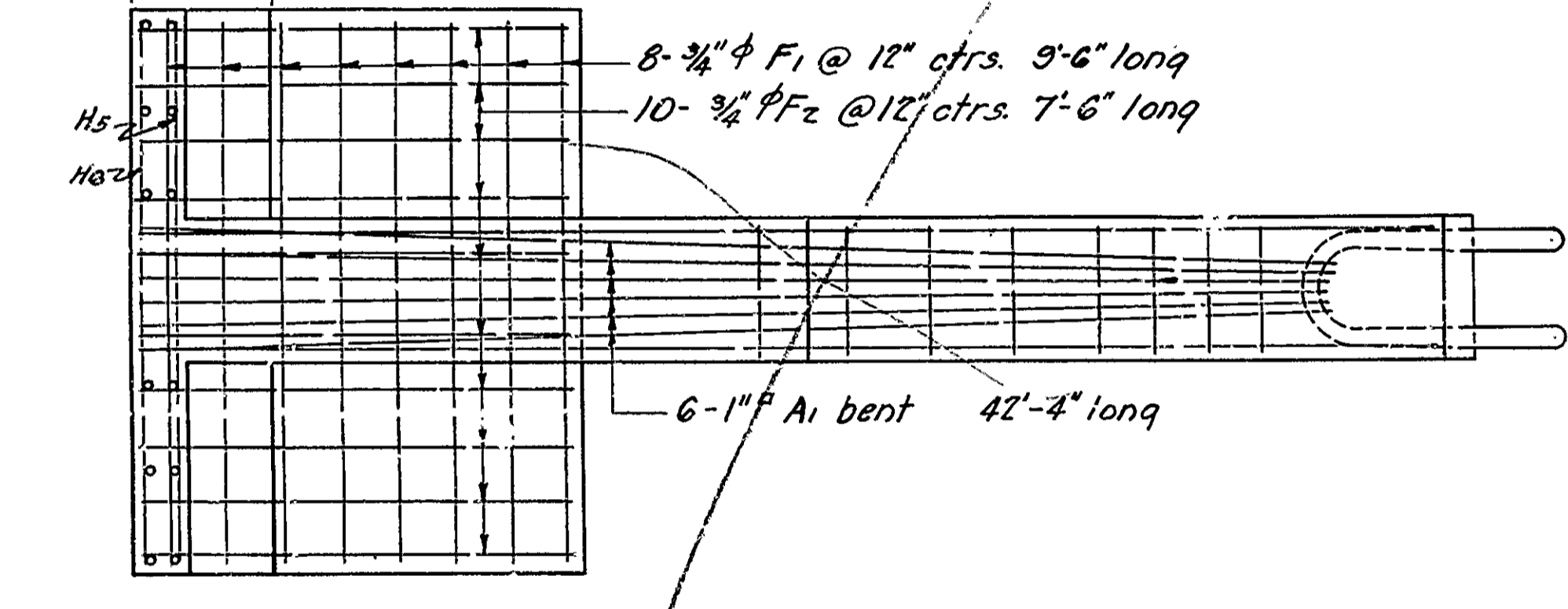


FRONT ELEVATION



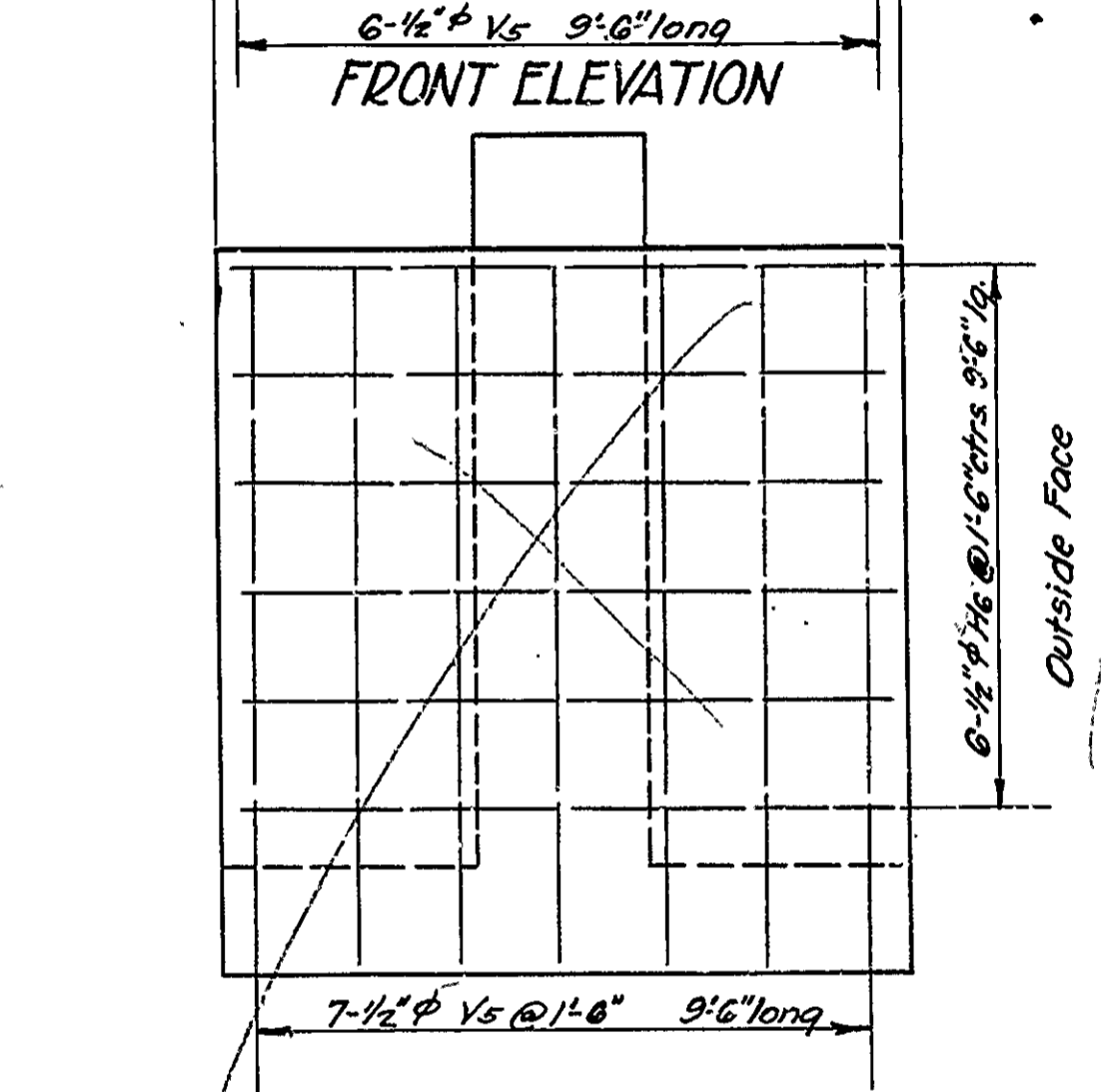
SIDE ELEVATION

ELEVATION B-B

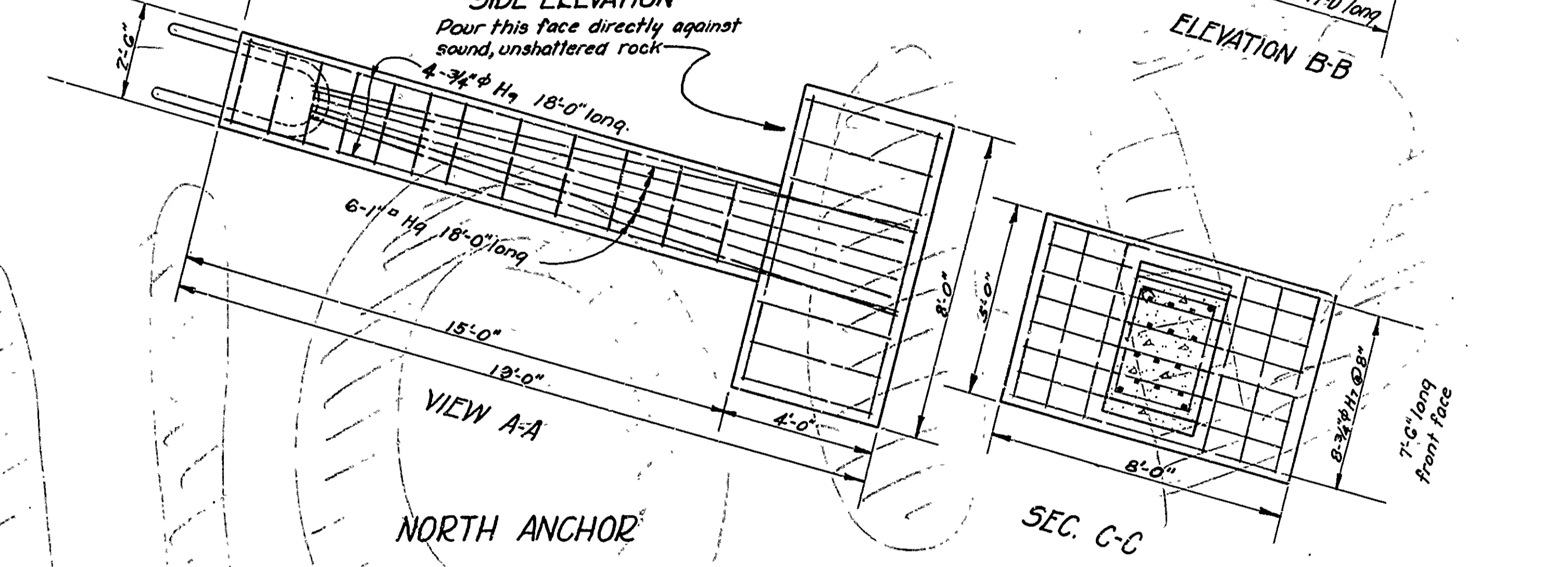


PLAN

SOUTH ANCHOR

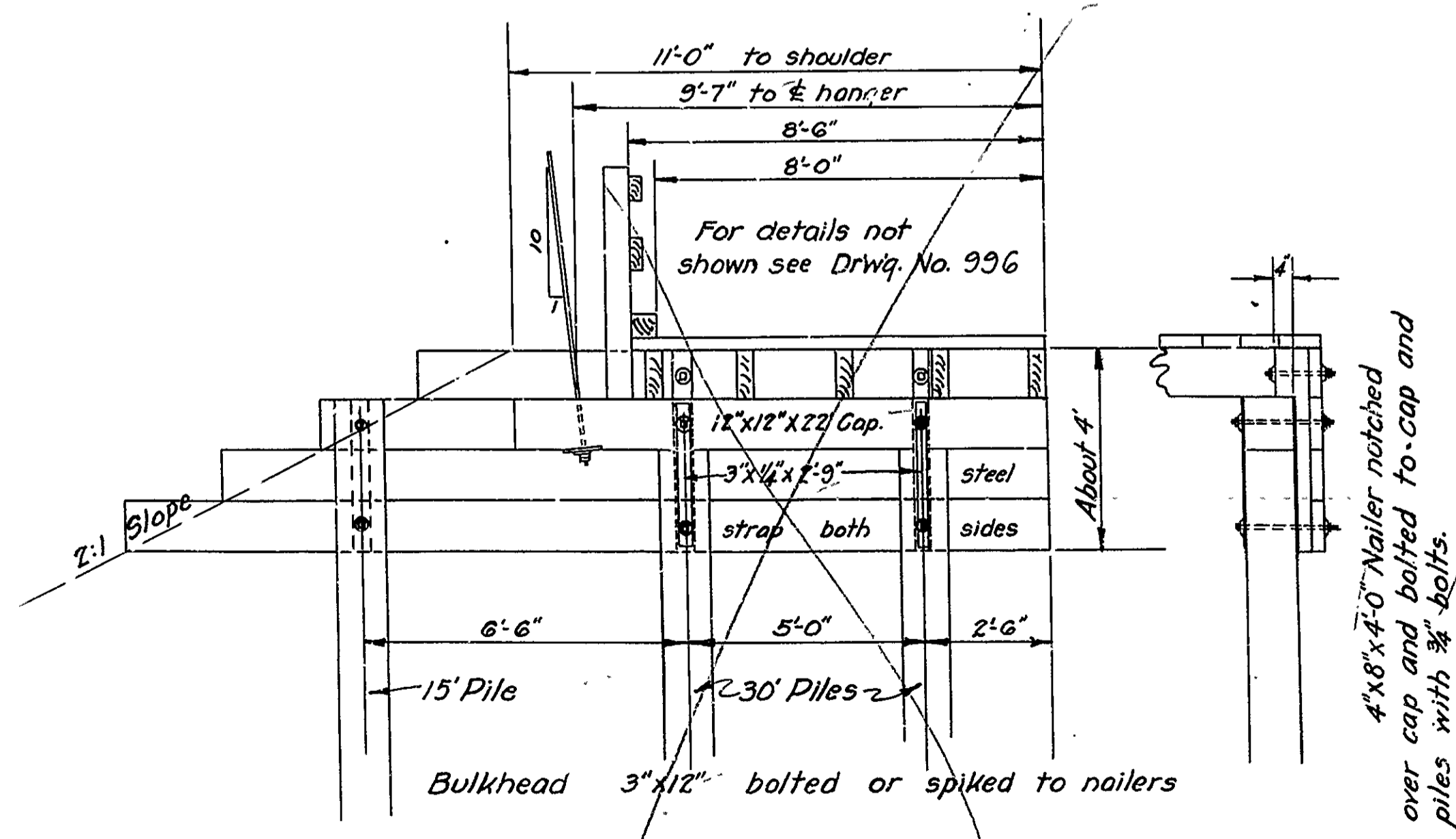


REAR ELEVATION

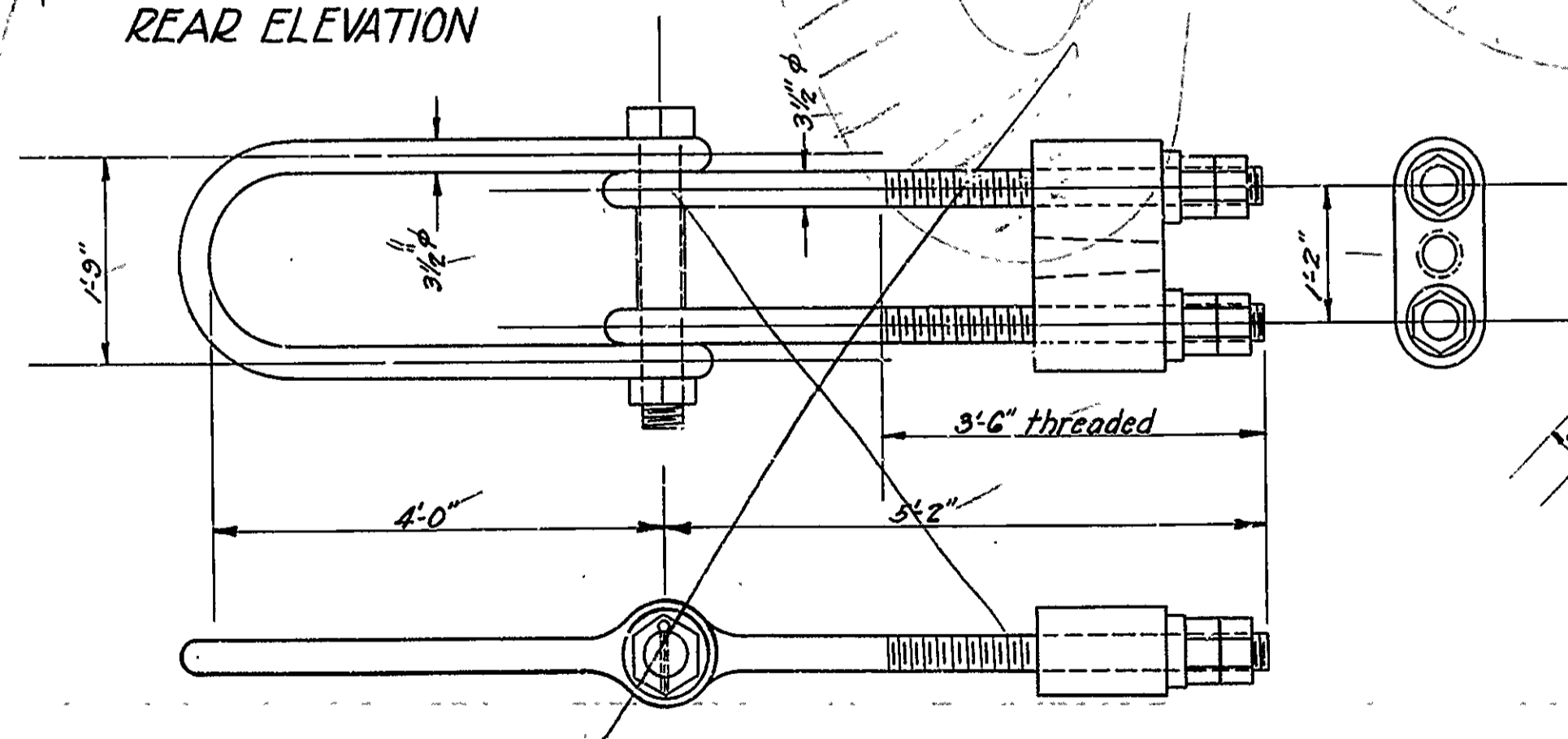


VIEW A-A

SEC. C-C

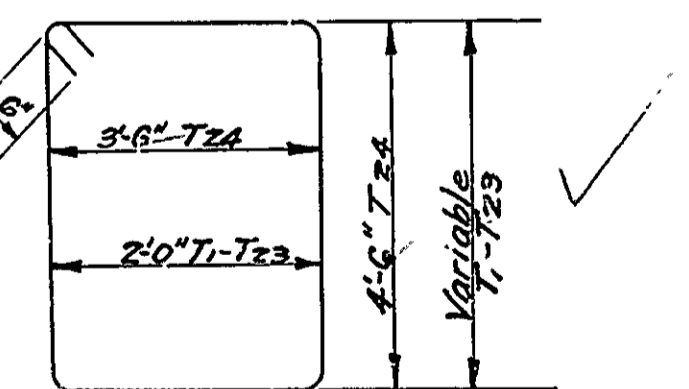
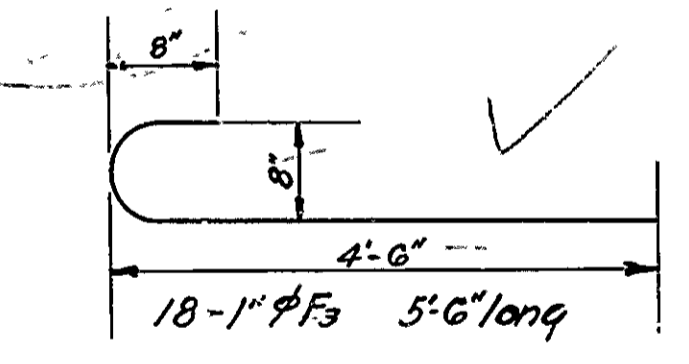


SOUTH END BENT

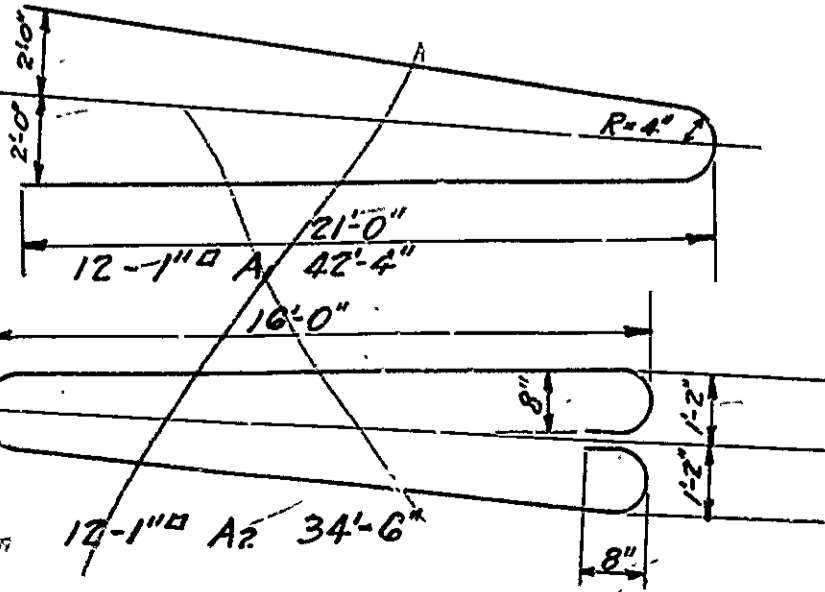


DETAILS OF ANCHOR LINK
SCALE 3/4"=1"

- MATERIAL**
- 1- Clevis 3 1/2" phi Upset and bored for 4 3/4" pin.
 - 2- Bolts 3 1/2" phi Upset and bored for 4 3/4" pin; one end threaded for 3'-6" at other end, with washer and 2 hex nuts for each bolt.
 - 1- Pin 4 3/4" phi x 2'-3" under head with hex nut and cotter pin.
 - 1- Socket block with socket for 2 3/4" galvanized steel bridge cable and holes for 3 1/2" bolts.
 - 1- 5" phi x 10" pipe sleeve.



11-1/2" phi Ties T1-11 11'-0" ave.
12-1/2" phi Ties T12-23 10'-0" ave.
6-3/4" phi Ties T24 17'-0"



GENERAL NOTE

All Concrete to Class "A"
All exposed corners chamfered 3/4"
All concrete to be poured in the dry.
Reinforcing steel to be deformed bars of Structural or Intermediate Grade.
Shop List and Bending Diagrams of Reinforcing Steel and Shop Details of Anchor Links must be submitted by Contractor before fabrication is begun.
Anchor Links to be paid for at unit price bid for structural steel.
Specifications - Arkansas Standard Road & Bridge Specifications adopted May 30, 1925 and Revised and Special Provisions attached.

DETAILS
ANCHORS & SOUTH END BENT
BRIDGE OVER KINGS RIVER
MADISON COUNTY
ROUTE 21 SEC. 4

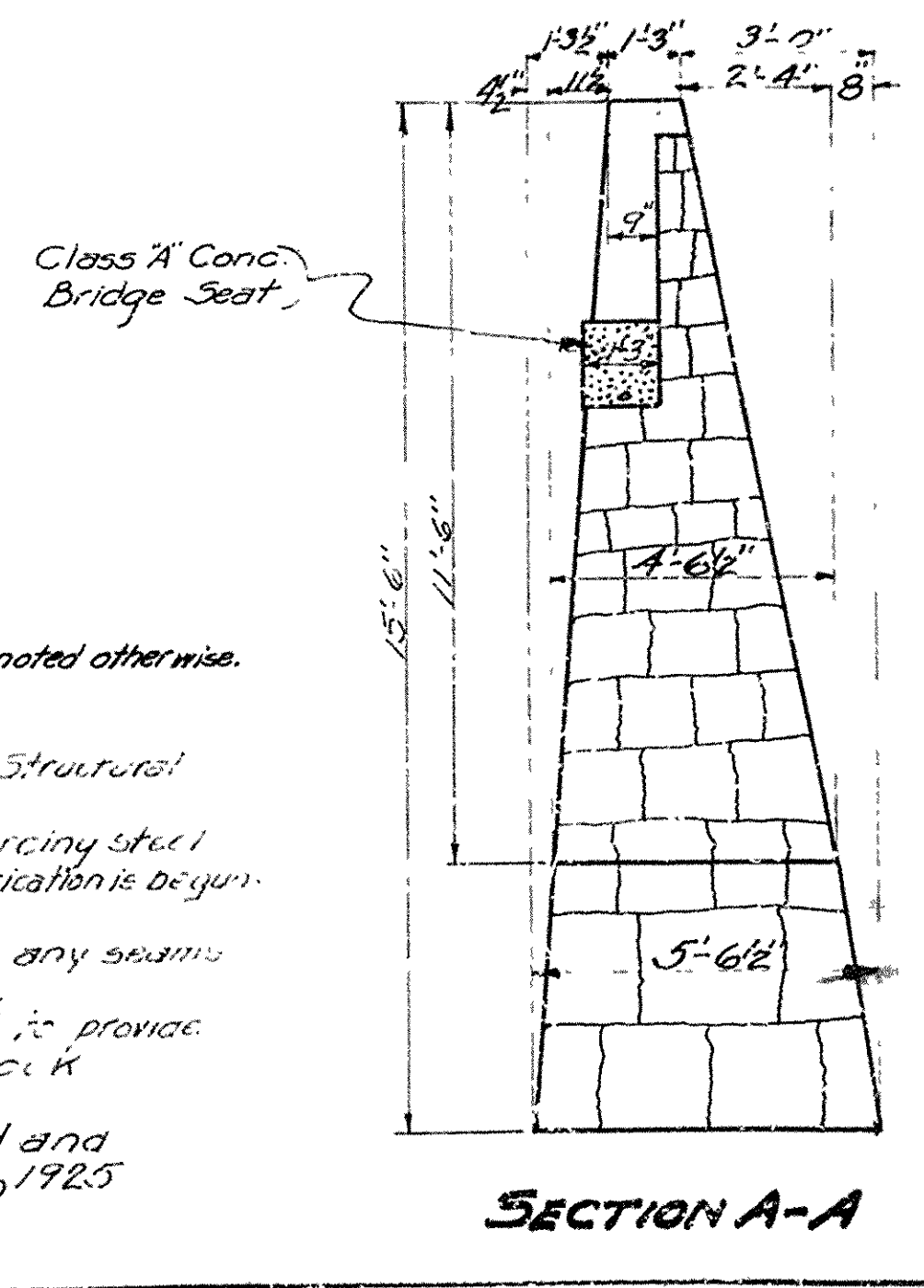
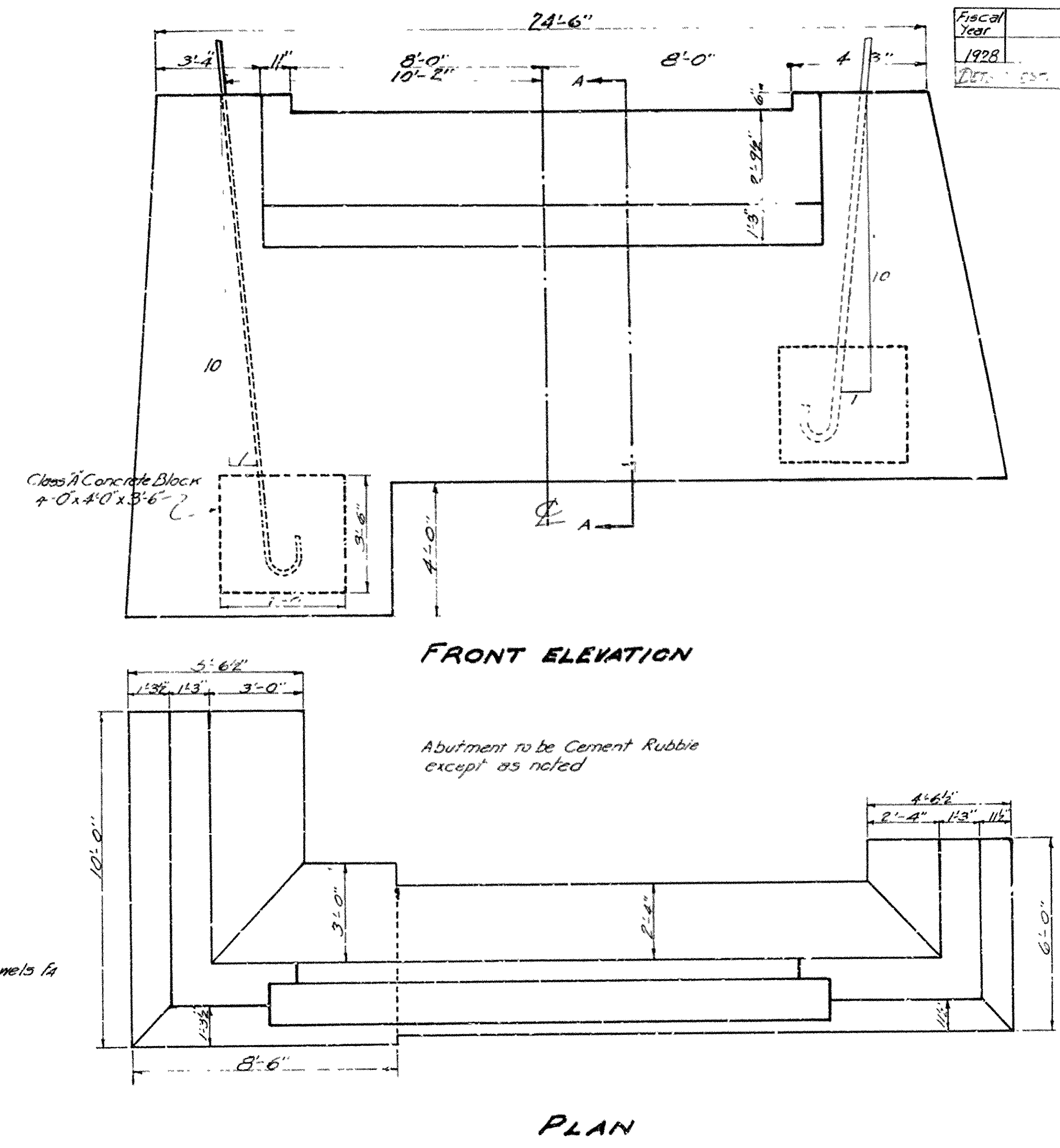
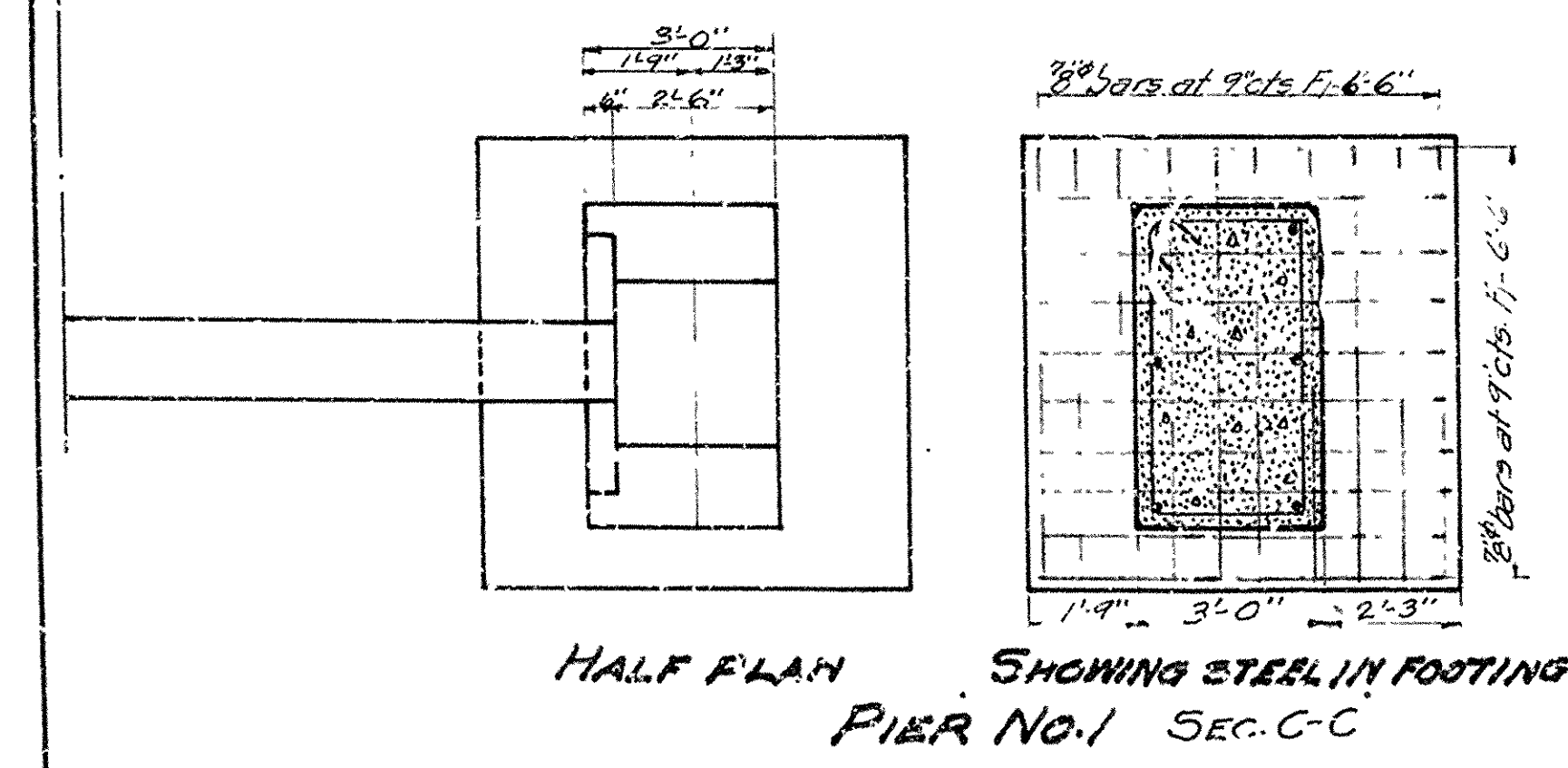
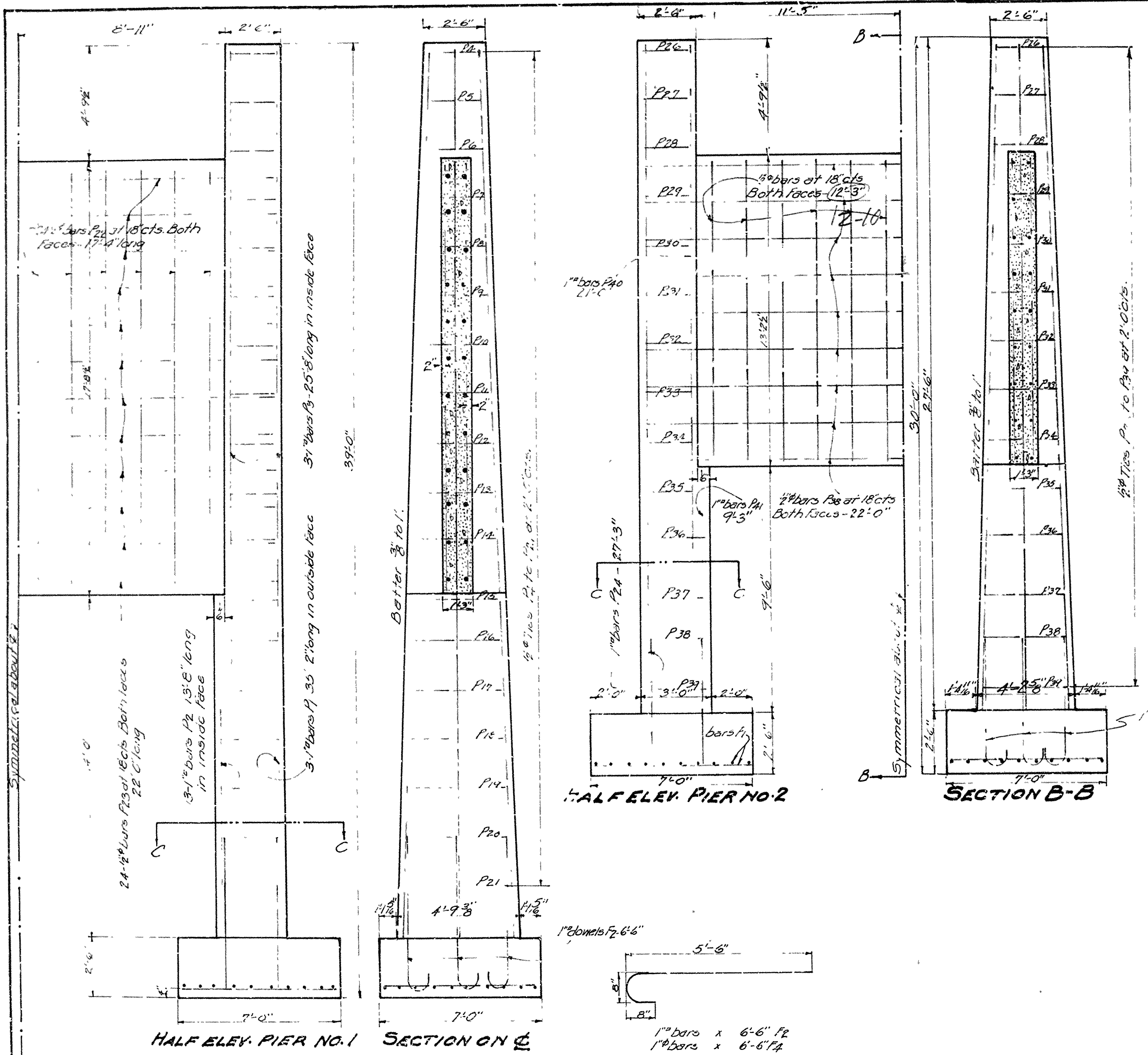
ARKANSAS STATE HIGHWAY DEPARTMENT
LITTLE ROCK, ARK.

Drawn By: G.S.V. Date: 7-12-28
Traced By: G.S.V. Date: 7-16-28
Checked By: G.S.V. Date: 7-16-28
Scale: 3/8"=1 ft.
BRIDGE NO. 887 DRAWING NO. 998

See Dwg 998 A

M.B. Harris
BRIDGE ENGINEER

Fiscal Year	Job No.	Sheet No.	Total Sheets
1928	464	5	6



GENERAL NOTES

All exposed corners to have 3/4" chamfer unless noted otherwise.

All Concrete to be Class A

All Concrete to be poured in the dry

Reinforcing steel to be determined bars of Structural or Intermediate Grade.

Shop List and Bending Diagrams of reinforcing steel must be submitted by Contractor before fabrication is begun.

Pier No. 1 to be founded on Rock.

Pier No. 2 to be founded on sound Rock below any strata which might lead to disintegration of Rock.

Foundations of Abutment B to be adjusted to provide level steps on rock with minimum of Rock Excavation.

Specifications - Arkansas Standard Road and Bridge Specifications. Adopted May 30, 1925 and Special Provisions attached.

DETAILS OF SUBSTRUCTURES FOR BRIDGE OVER KINGS RIVER MADISON COUNTY ROUTE 21 SEC. 4

ARKANSAS STATE HIGHWAY DEPT.

DRAWN BY G.S.K. DATE 7-9-28

TRACED BY [Signature] DATE 8-23-28

CHECKED BY [Signature] DATE 8-26-28

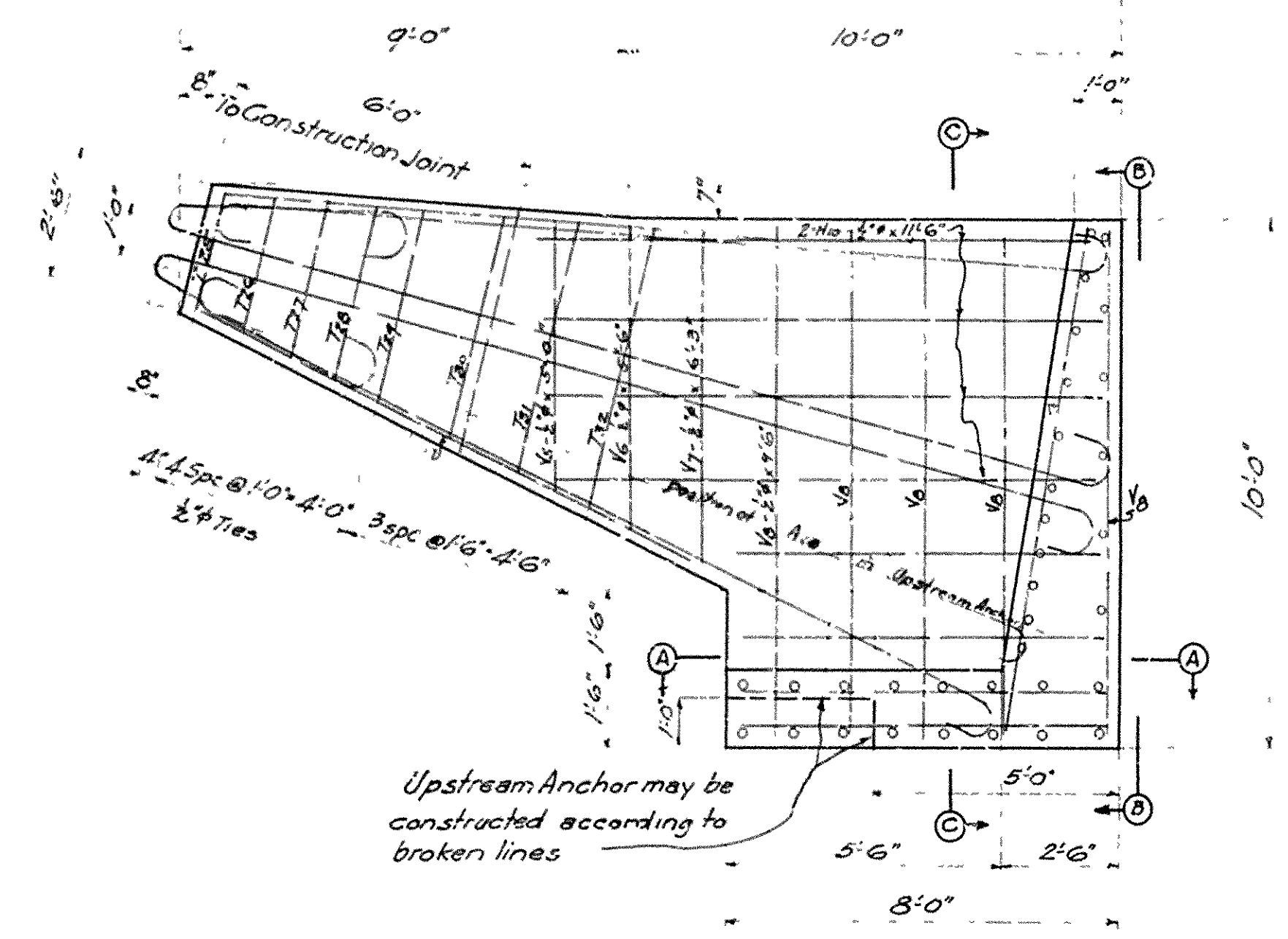
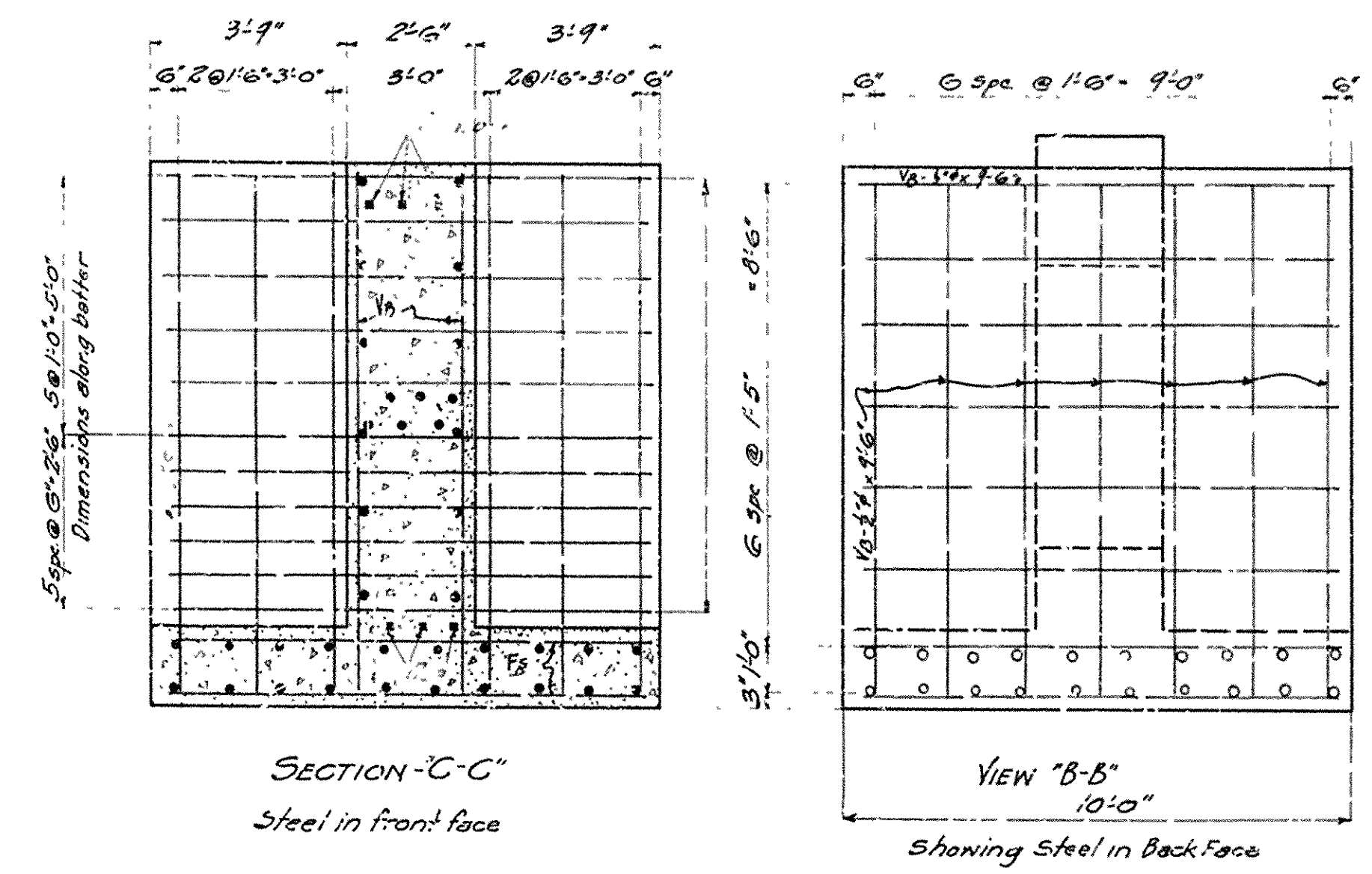
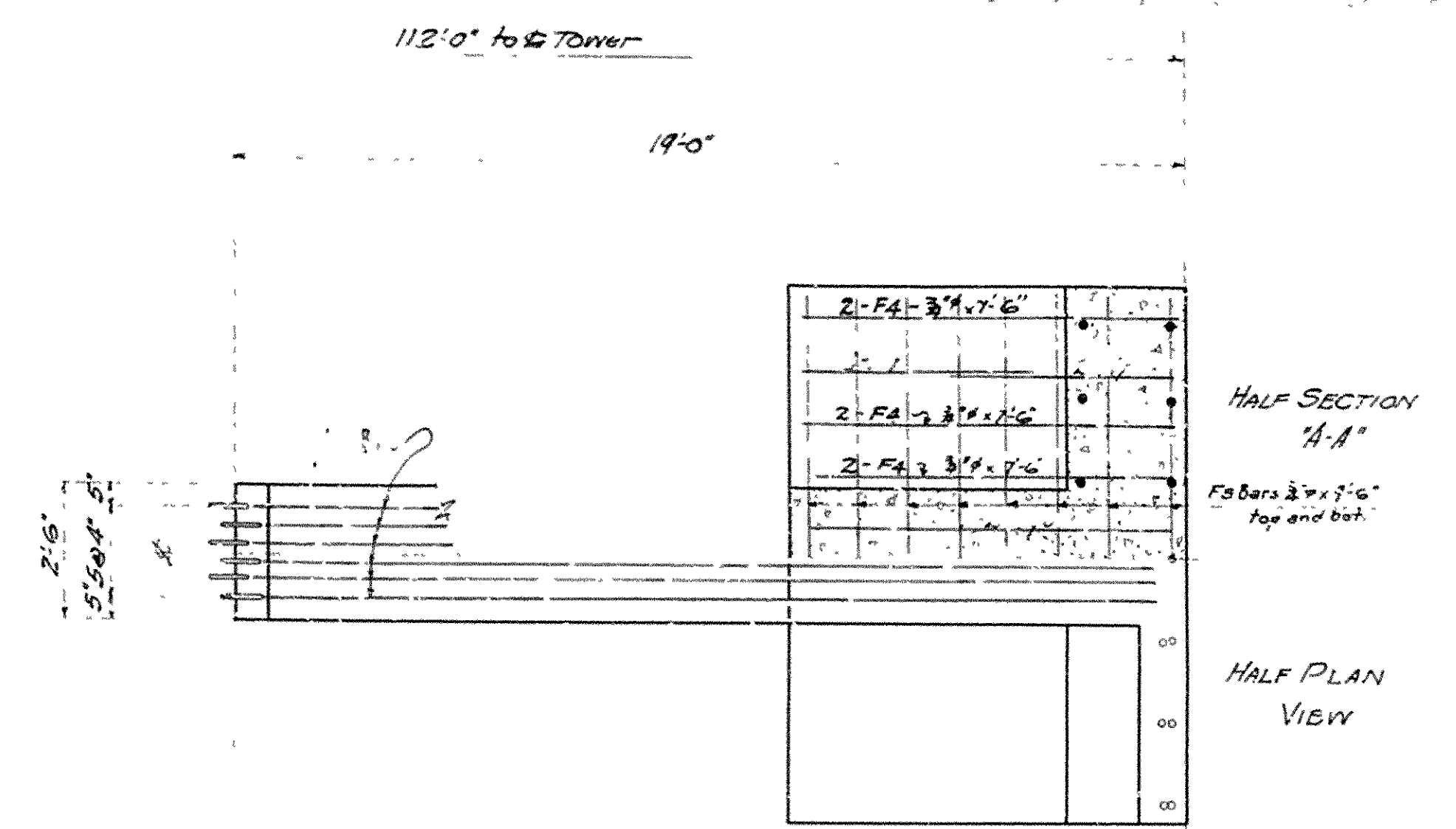
BRIDGE NO. 887 DRAWING NO. 997-A

M.R. [Signature] BRIDGE ENGINEER

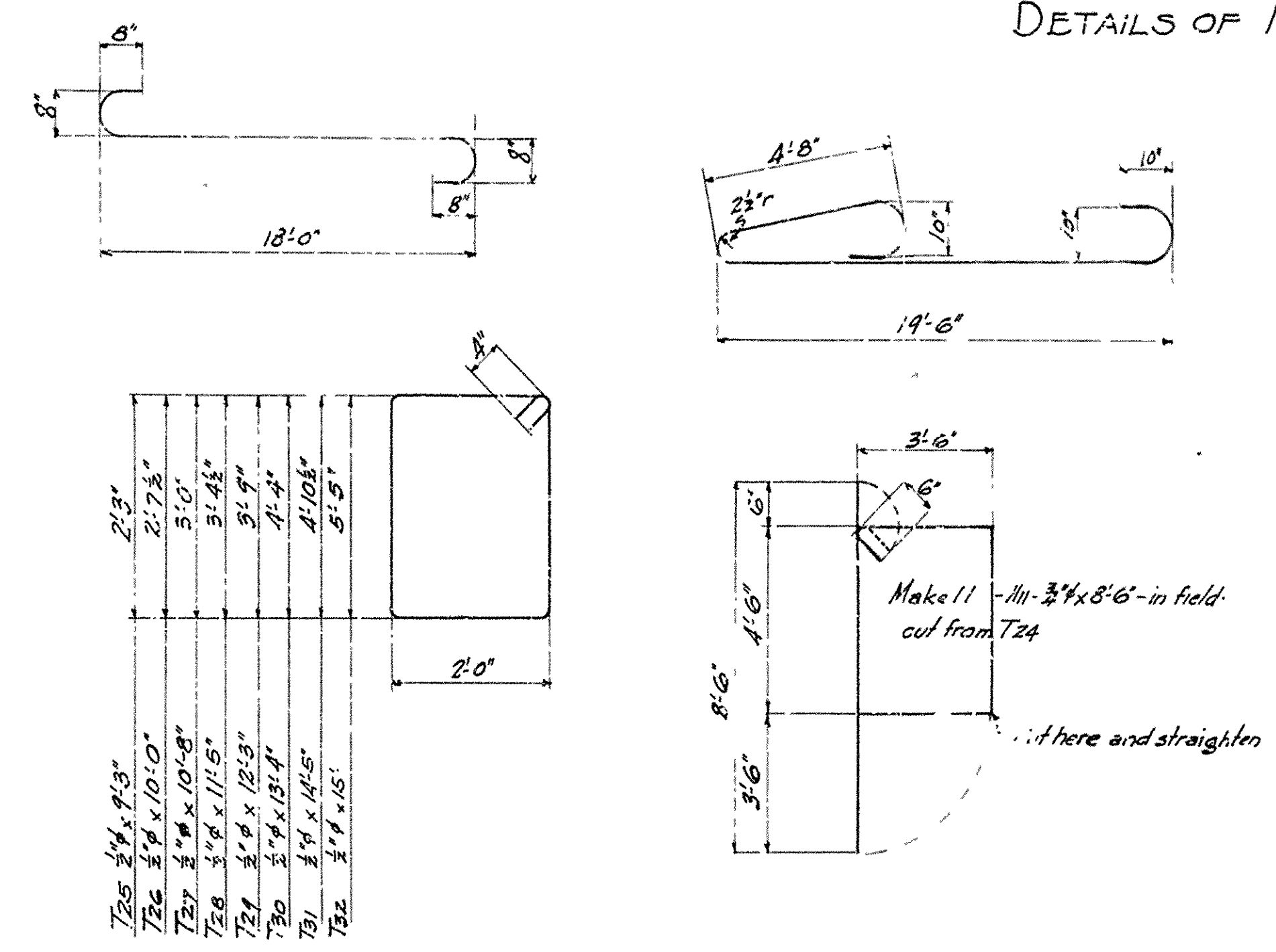
FISCAL YEAR	Job No.	SHEET No.	TOTAL SHEETS
1928	964		

PLAIN BARS-NORTH ANCHOR

MARK	No.	Size	Length	Remarks
F4	24	$\frac{3}{4}$ "	7'-6"	New steel
F5	32	$\frac{3}{4}$ "	9'-6"	" "
H7	8	$\frac{3}{4}$ "	4'-6"	Use from old anchorage
H8	8	$\frac{3}{4}$ "	7'-6"	" " " "
H9a	8	$\frac{3}{4}$ "	11'-0"	Cut from H9-old anchorage
H9b	8	$\frac{3}{4}$ "	7'-5"	" " " "
H10	16	$\frac{1}{2}$ "	11'-6"	New Steel
H11	22	$\frac{3}{4}$ "	8'-6"	Cut from T24 in field & straighten & saddle
V6	4	$\frac{1}{2}$ "	5'-0"	new steel
V6	4	$\frac{1}{2}$ "	5'-6"	" "
V7	4	$\frac{1}{2}$ "	6'-3"	" "
V8	32	$\frac{1}{2}$ "	9'-6"	" "
V9	22	$\frac{1}{2}$ "	9'-6"	cut from old ties T12-T23



DETAILS OF NORTH ANCHOR



REVISED DETAILS
OF NORTH ANCHOR
KING'S RIVER BRIDGE
MADISON COUNTY

ROUTE 21 SEC. 4
ARKANSAS STATE HIGHWAY DEPARTMENT
LITTLE ROCK, ARK.
Scale: $\frac{3}{8}$ in. = 1 ft.
Drawn By: *MI* Date: *2/2/28*
Checked By: _____ Date: _____
BRIDGE NO. 887 DRAWING NO. 998-B