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STATE OF ARKANSAS
STATE HIGHWAY COMMISSION

PLAN OF PROPOSED BRIDGE
OVERPASS OVER ST. LOUIS-SAN FRANCISCO RAILWAY
AT IMBODEN, ARKANSAS

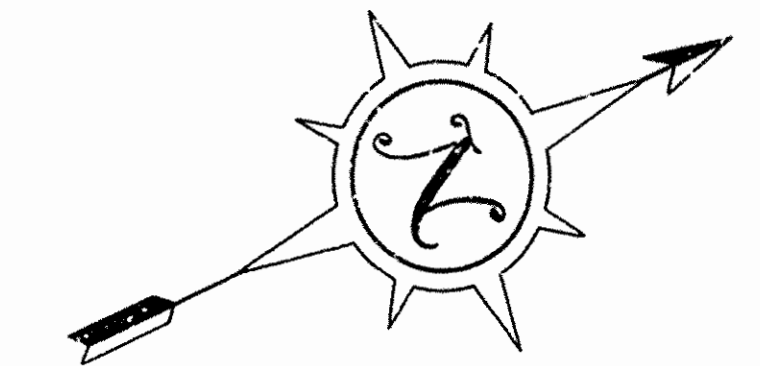
LAWRENCE AND RANDOLPH COUNTIES

ROUTE 62 SEC. 18A & 18

JOB No 10187

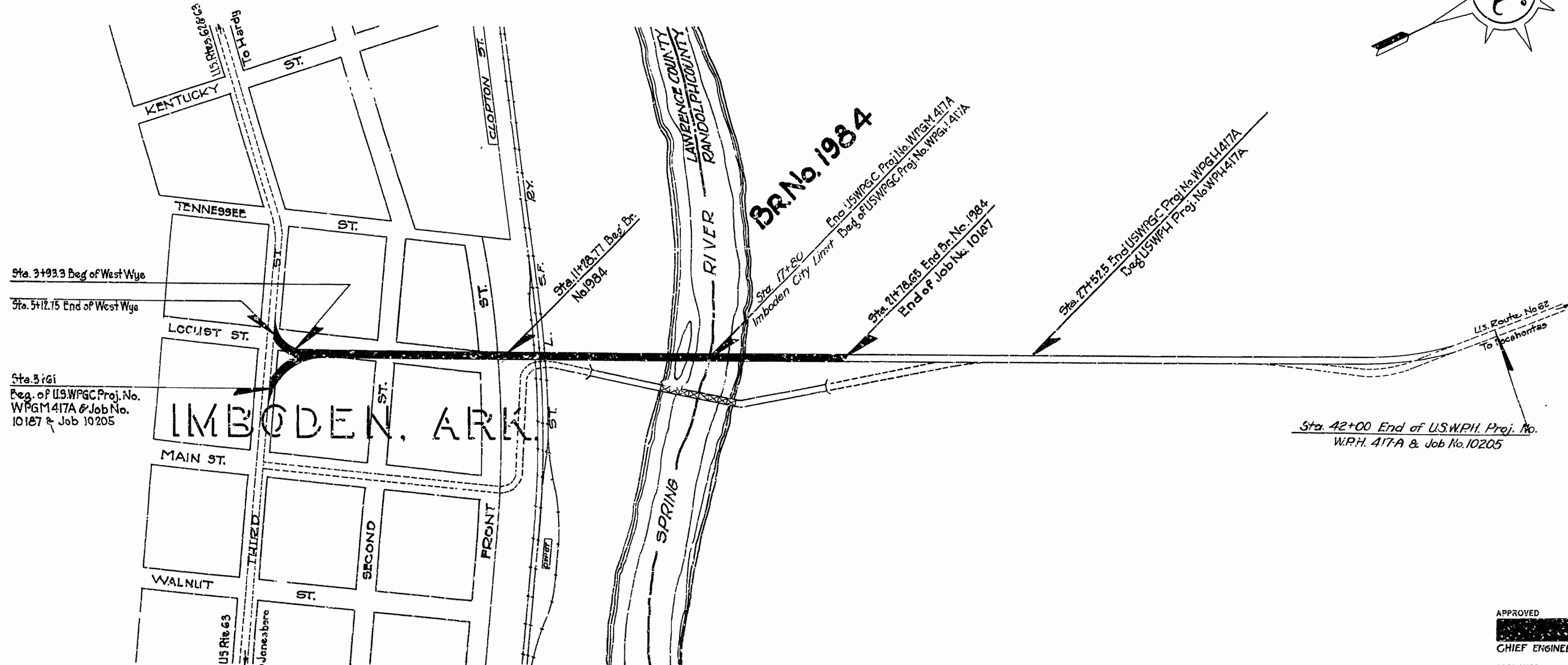
U.S. WORKS PROGRAM GRADE CROSSING PROJECT NO. W.P.G.M. 417 - A & W.P.G.H. 417-A

Fed. Dist. No. 6	State	Project No.	Fiscal Year	SHEET NO.	TOTAL SHEETS
		USWPGC Project No. W.P.G.M. 417A		X	X
		USWPGC Project No. W.P.G.H. 417A		X	X
		State Job No. 10187		1	44



SPECIAL PROVISIONS

Special Provisions	Sheets
Employment Centers for Labor	
Required Special Provisions	12-30-35
Beginning and Prosecution of Work	
Extra and Force Account Work	
Wages of Labor	
Rolling Shoulders	
All Material Furnished by Contractor	
Physical Characteristics of Aggregate	4
Coarse Aggregate into Sizes	
Stock Piling Aggregates	
Cement	2
Consistency of Mix	
Volume of Material per Batch	
Checking Scales	
Central Mixing Plant	
Finishing Machine	
Hand Finishing	
Curing	
Revisions of Article 47.4	2-13-35
Concrete Spillways (Paving Mix) 11-13-34	
Paint for Traffic Stripe	
Reinforcing Steel for Pavements	4
Flexible Steel Guard Fence	
Construction over Railroad	1-4-36
Encasement Concrete	
Metal Dearing and Roadway Expansion Devices	10-31-35
Bronze Project Marker Plates & Bronze State Bridge Name Plates	
Engineers Field Office	
Channel Excavation	2-10-36
Removal of Existing Bridge	2-10-36
Concrete Walk	10-16-35
Fine Grading, Subgrades, & Shoulders	
Coordination of Work	2-16-36



Sta. 3+93.3 Beg. of West Wye
Sta. 5+12.15 End of West Wye
Sta. 3+161
Beg. of U.S.WPGC Proj. No. W.P.G.M. 417A & Job No. 10187 & Job 10205

BR. No. 1984
Beg. of U.S.WPGC Proj. No. W.P.G.M. 417A
Beg. of U.S.WPGC Proj. No. W.P.G.H. 417A
Imboden City Limit
Sta. 17+80
Sta. 21+26.83 End of Br. No. 1984
End of Job No. 10187
Sta. 27+52.5 End of U.S.WPGC Proj. No. W.P.G.H. 417A
Beg. of U.S.WPGC Proj. No. W.P.G.M. 417A
U.S. Route No. 62
To local traffic
Sta. 42+00 End of U.S.W.P.H. Proj. No. W.P.H. 417A & Job No. 10205

Specifications approved by Chief U.S. Bureau of Public Roads September 29, 1925 and adopted by State Highway Commission May 30, 1925 with Special Provisions and Revisions as follows:

Pamphlet	Revised	Approved
A	Mar. 1, 1931	June 15, 1931
H	Mar. 1, 1931	June 15, 1931
J	Nov. 1, 1931	Nov. 21, 1932
K	Dec. 1, 1931	Nov. 21, 1932
L	July 8, 1935	
M	Mar. 1, 1931	June 15, 1931
N	Oct. 1, 1933	
O	Oct. 1, 1933	
P	Oct. 1, 1933	

LAYOUT
Scale: 1" = 200'

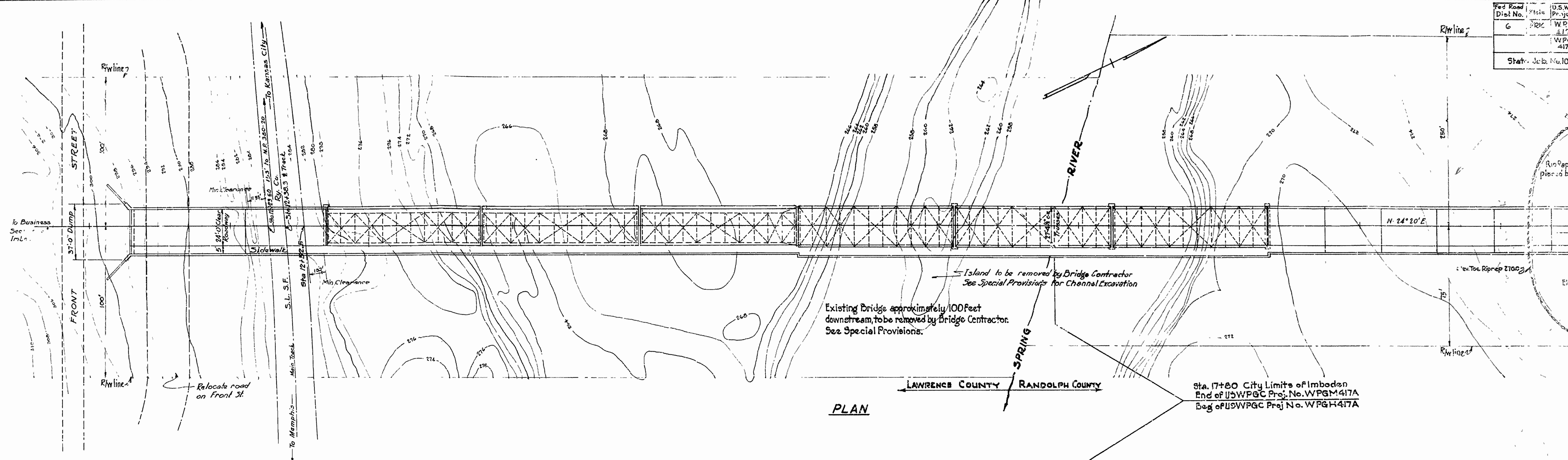
	U.S.WPGC Proj. No. W.P.G.M. 417A	U.S.WPGC Proj. No. W.P.G.H. 417A	Job No. 10187
Gross Length of Project	1538.45 or 0.291 MI.	972.5' or 0.185 MI.	
Net Length of Project	1538.45 or 0.291 MI.	972.5' or 0.185 MI.	
Net Length of Roadway	857.22' or 0.168 MI.		887.22' or 0.168 MI.
Net Length of Bridge	651.23' or 0.123 MI.	398.65' or 0.075 MI.	1049.88' or 0.198 MI.
Length of Job			1937.10' or 0.366 MI.

APPROVED
CHIEF ENGINEER U.S. Bureau of Public Roads
APPROVED
DISTRICT ENGINEER U.S. Bureau of Public Roads
APPROVED
CHIEF U.S. Bureau of Public Roads
APPROVED
CHAIRMAN - State Highway Commission
APPROVED
State Highway Engineer

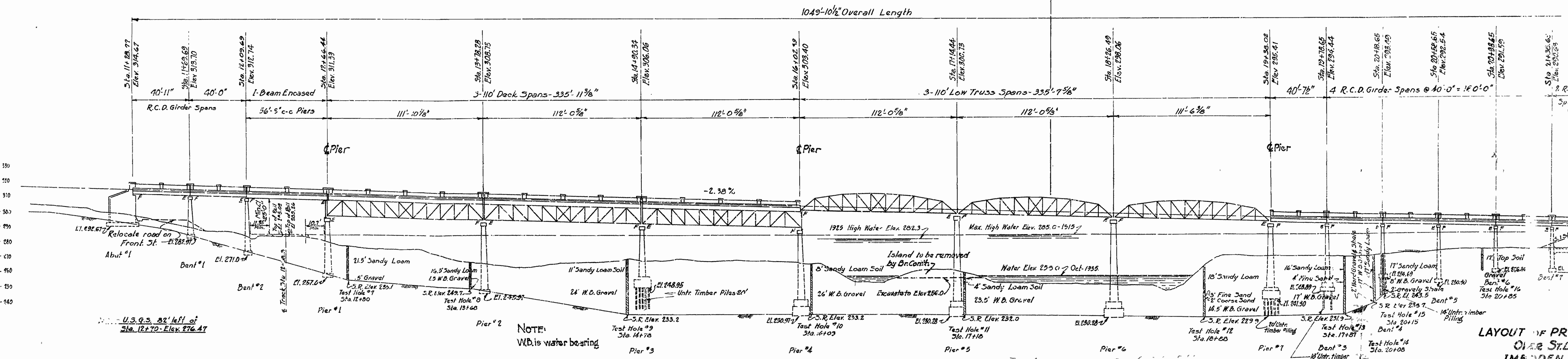
N.B. Larver
BRIDGE ENGINEER

274

Dist. No.	6	U.S.W.P.C. Project No.	WPG 417A
State	Ark.	U.S.W.P.C. Project No.	WPG 417A
Sheet No.	1018		



PLAN



ELEVATION

NOTE: W.B. is water bearing

GENERAL NOTES:-

Contractor shall provide Indemnity Bond to the St. Louis San Francisco Railway Co. in the amount of \$20,000.00 and submit plan of false work over track area for approval of Railway Co., prior to construction. Excavation to be adequately sheeted and braced so as to eliminate possible danger to adjacent tracks. Satisfactory Railway clearances shall be maintained in construction.

All concrete, except Seal Concrete, to be poured in the dry.

Specification: Arkansas Standard Road and Bridge Specifications adopted May 30, 1925 and revised.

Lengths of Piling shown are for Estimating purposes only. Actual lengths are to be determined in the field.

Channel Excavation 3300 Cu. Yds. (Removing Island)

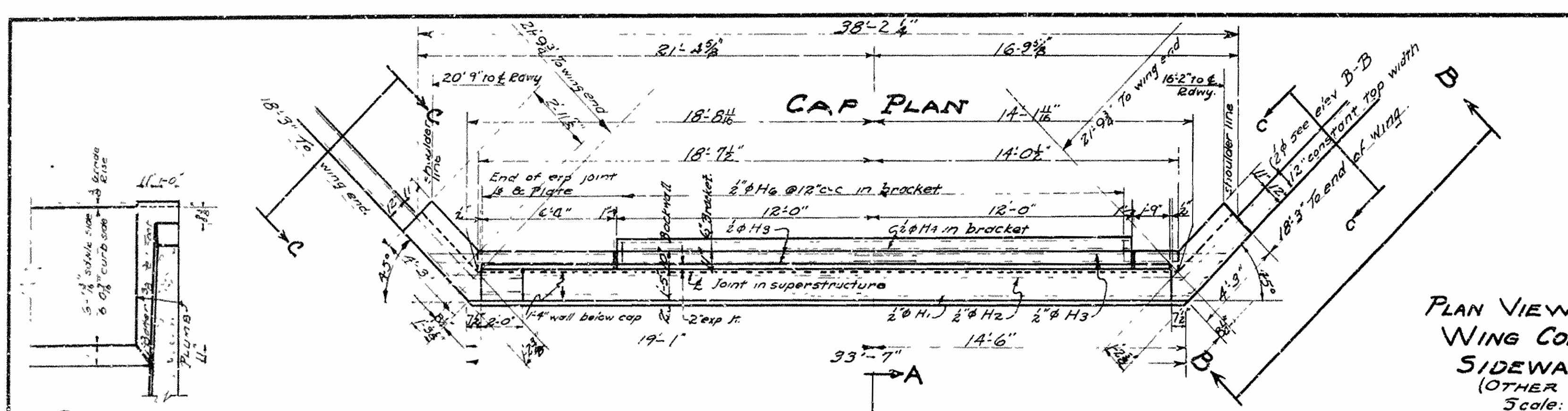
REVISED 2-6-36

N.B. Barber
Bridge Engineer

LAYOUT OF PROPOSED BRIDGE OVER ST. LAWRENCE RIVER, LAWRENCE-RANDOLPH COUNTY, ARKANSAS STATE HIGHWAY 2, LITTLE ROCK, ARK.

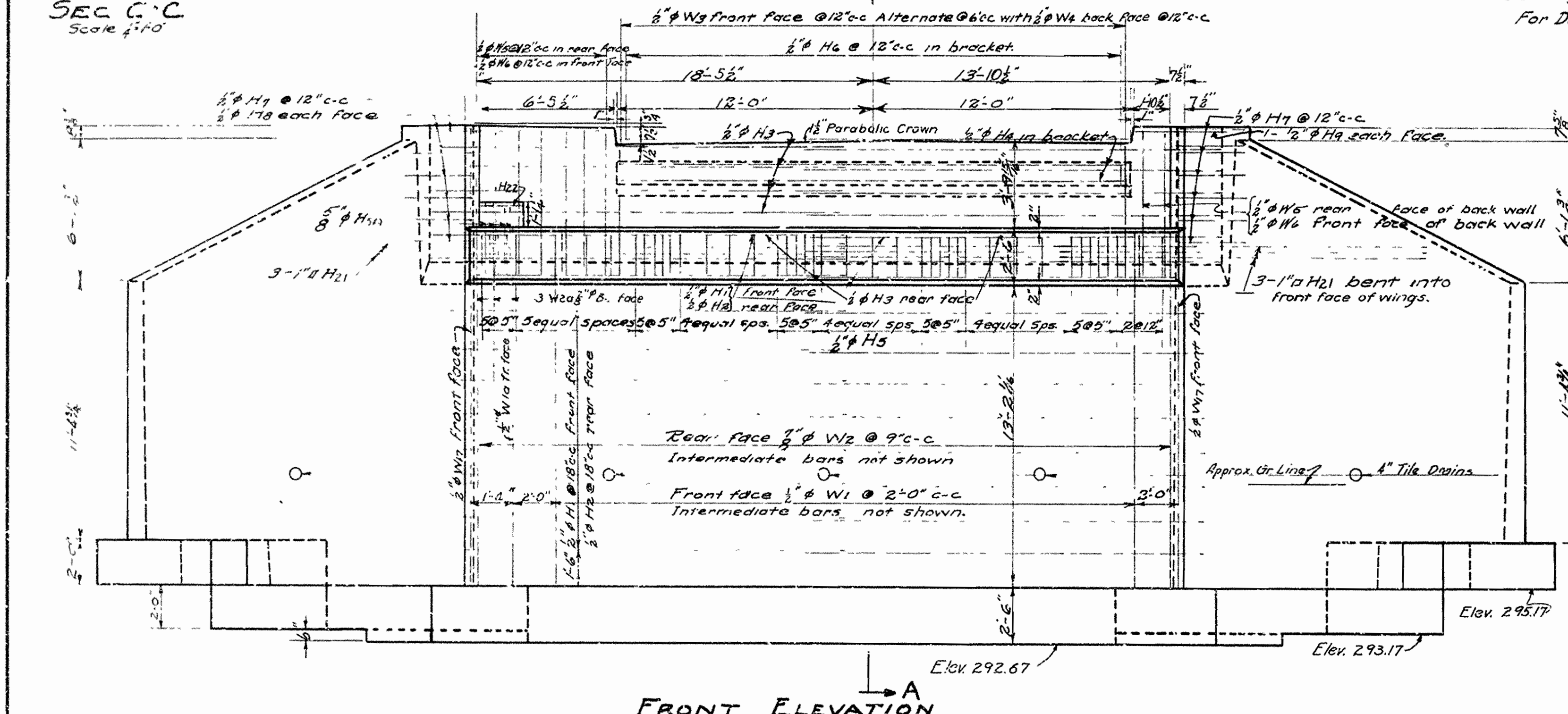
Drawn by B.G.
Traced by M.R.
Checked by
BRIDGE NO. 1984
Code No. 984

FED. ROAD DIST. NO.	STATE	US W.P.S.C. PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.	WDGM 417-A WPGH 417-A		4	11
STATE JOB NO. 10-157					

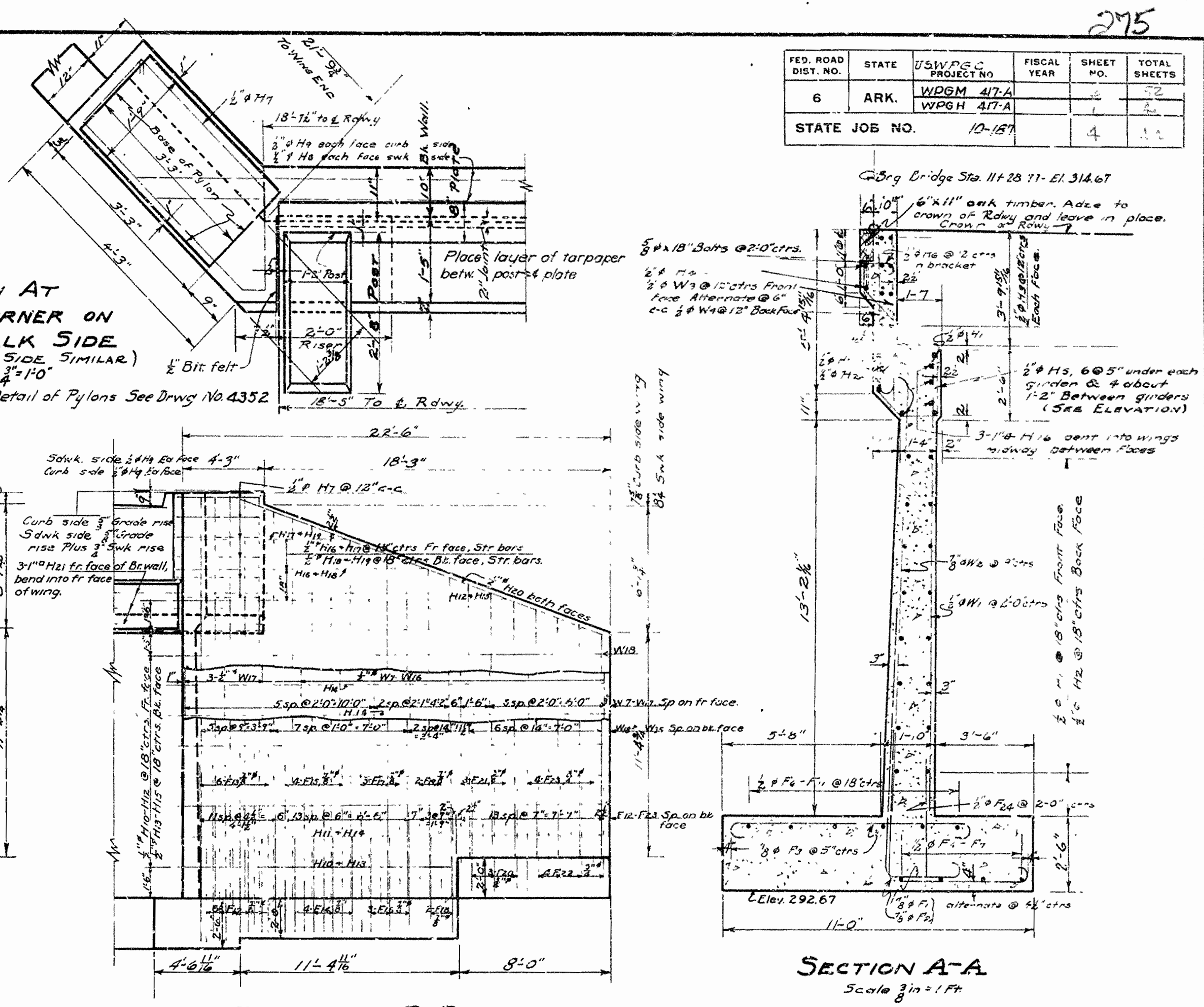


SEC. C-C
Scale 3/4" = 1'-0"

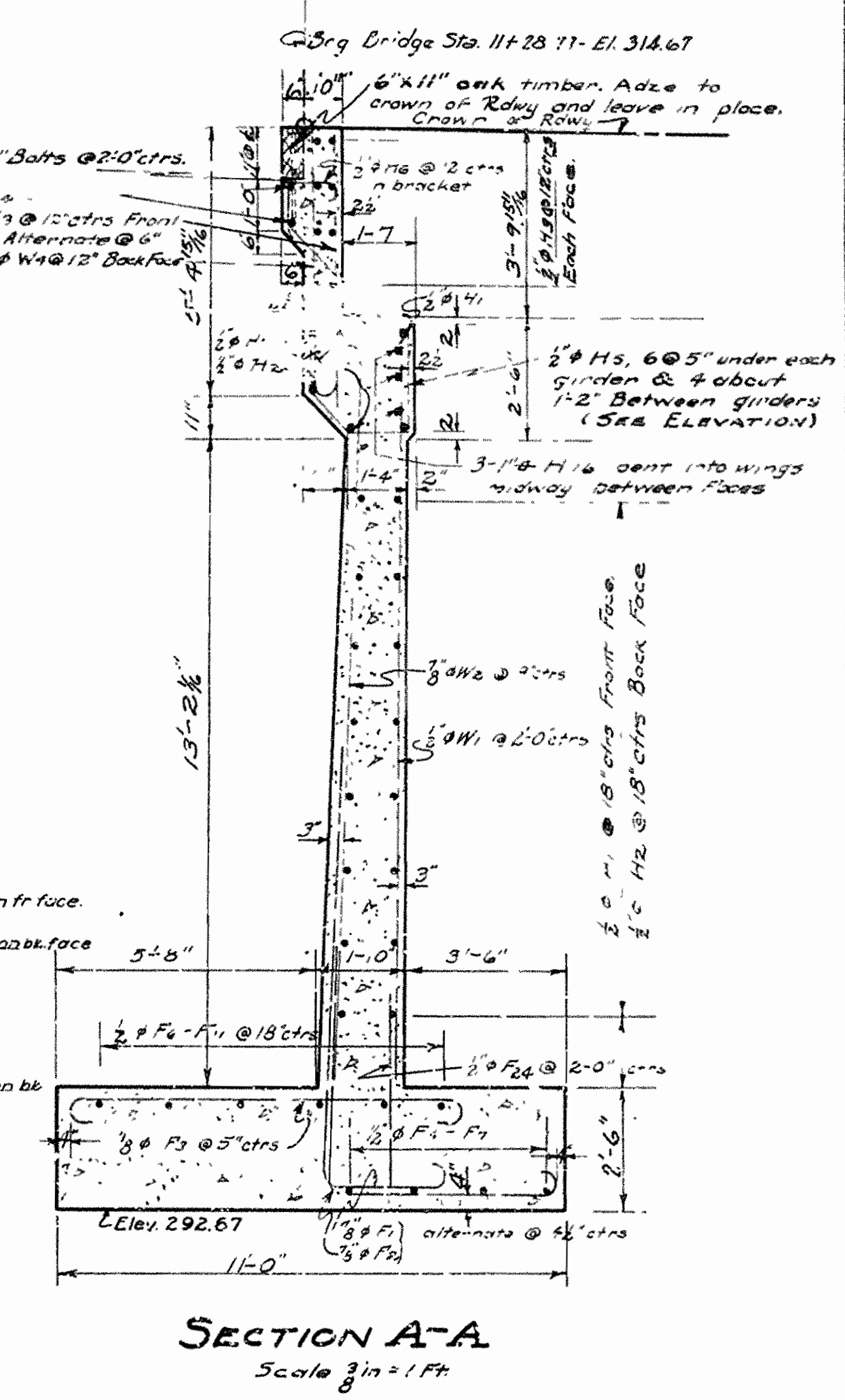
PLAN VIEW AT WING CORNER ON SIDEWALK SIDE
(OTHER SIDE SIMILAR)
Scale: 3/4" = 1'-0"
For Detail of Pylons See Drwg. No. 4352



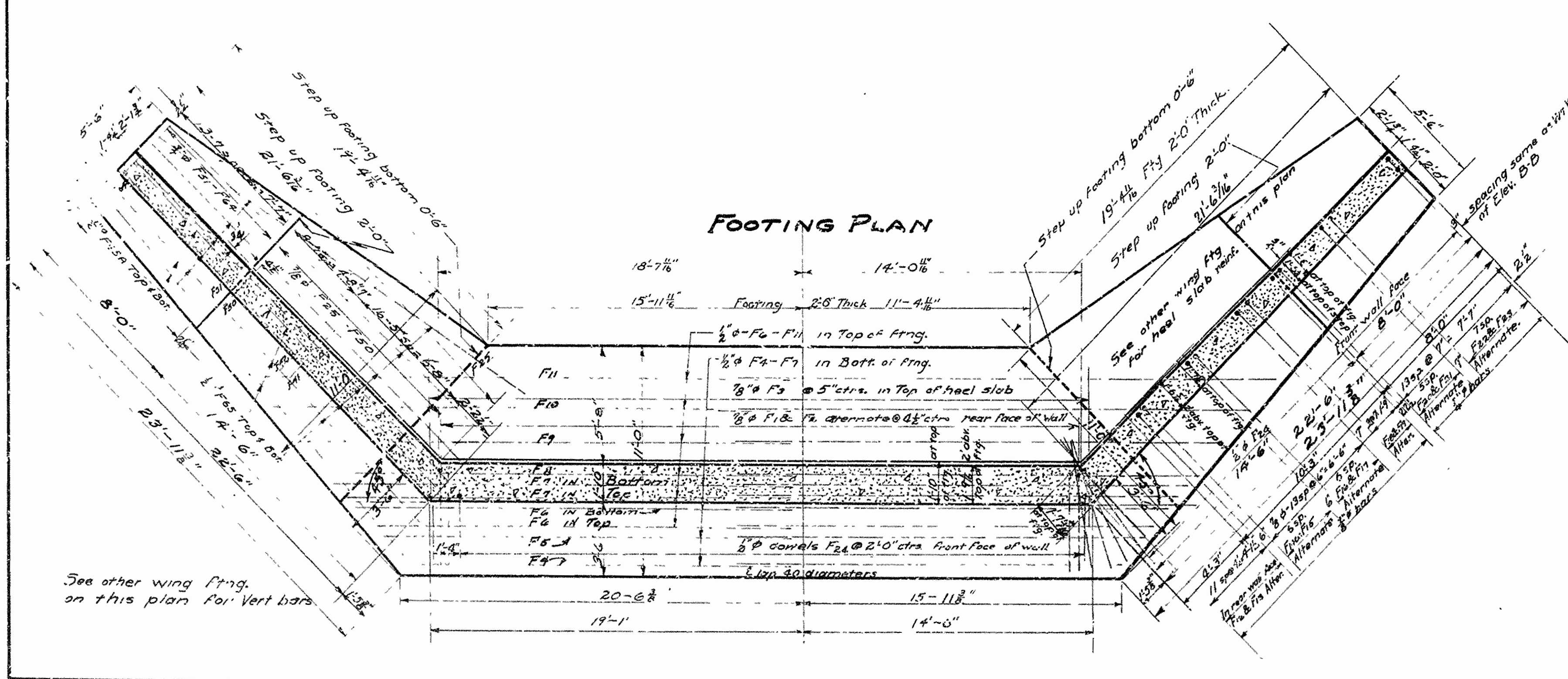
FRONT ELEVATION
Scale 3/4" = 1'-0"



ELEVATION B-B
NOTE: OTHER WING SAME EXCEPT AS SHOWN AT TOP

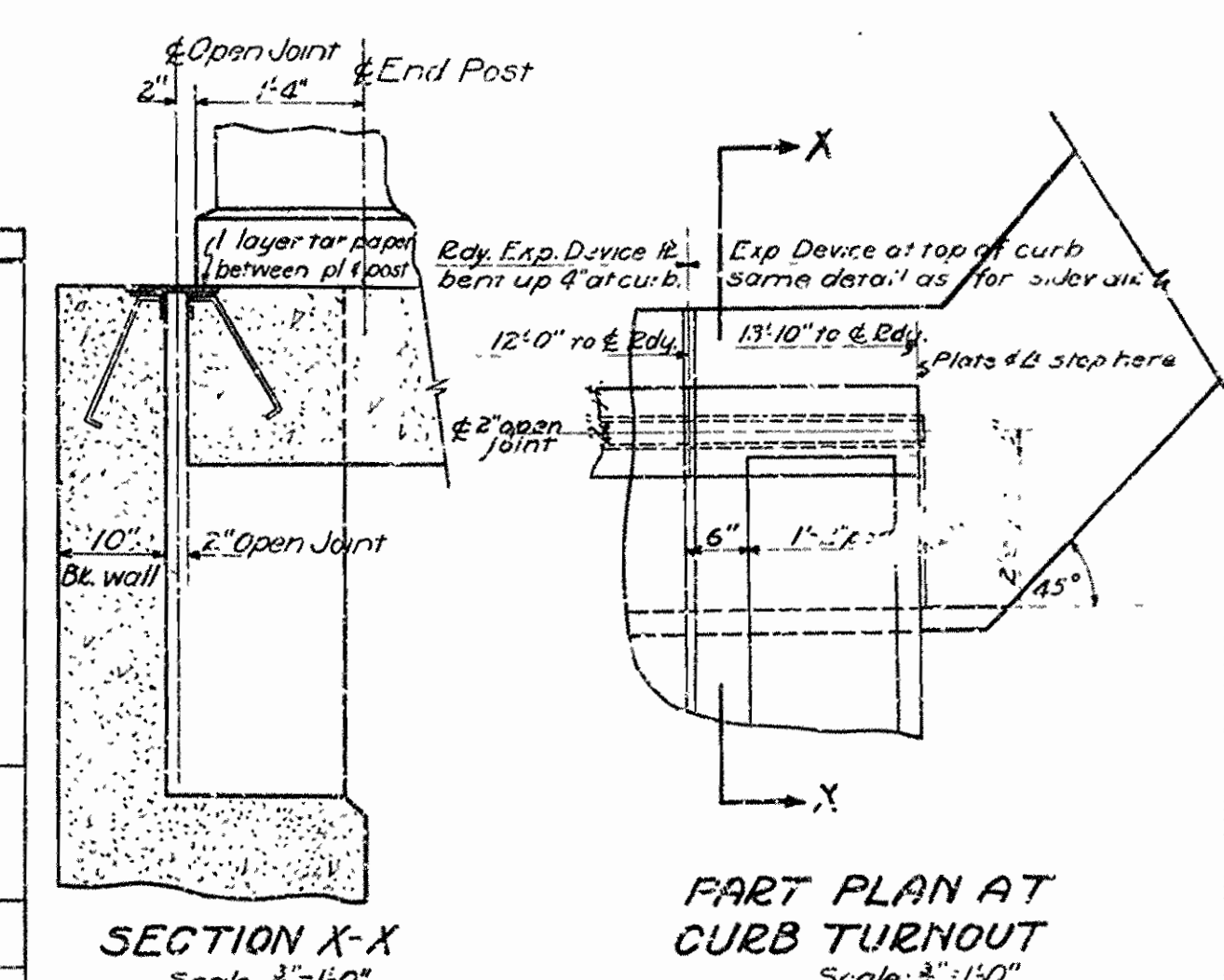


SECTION A-A
Scale 3/4" = 1'-0"



FOOTING PLAN
Scale 3/4" = 1'-0"

MARK	SIZE	LENGTH	A	B	C	BENDING DIAGRAM	
F1	3/4"	12'-2"	9'-5"	2'-0"	7"		
F2	3/4"	10'-8"	5'-3"	4'-9"	7"		
F12	3/4"	10'-0"	5'-3"	4'-7"	7"		
F13	3/4"	11'-11"	8'-9"	2'-6"	7"		
F14	3/4"	9'-3"	4'-9"	3'-10"	7"		
F15	3/4"	11'-5"	8'-3"	2'-6"	7"		
F16	3/4"	9'-0"	4'-9"	3'-7"	7"		
F17	3/4"	10'-11"	7'-9"	2'-6"	7"		
F18	3/4"	8'-9"	4'-9"	3'-4"	7"		
F19	3/4"	10'-8"	7'-6"	2'-6"	7"		
F20	3/4"	8'-10"	5'-3"	3'-7"	6"		
F21	3/4"	9'-9"	6'-9"	2'-5"	6"		
F22	3/4"	8'-7"	5'-3"	2'-10"	6"		
F23	3/4"	9'-0"	6'-0"	2'-4"	6"		
H 1	2"	11'-2"	8'-4"	2'-6"	7"		
H 2	2"	10'-11"	7'-9"	2'-6"	7"		
F25 - F50	3/4"	Avs F5	4'-9"	7"			
F51 - F64	3/4"	Avs F6	4'-9"	6"			
W 4	2"	5'-6"	5'-0"	4"			
W 5	2"	6'-9"	6'-9"	4"			
H 5	2"	8'-9"					
H 6	2"	5'-6"					
H 11	2"	24'-3"	22'-9"	2'-0"			
H 14	2"	23'-6"	21'-8"	2'-0"			
H 10	2"	16'-2"	14'-2"	2'-0"			
H 13	2"	15'-5"	13'-5"	2'-0"			
H 12	2"	Avs H 11	Avs H 14	2'-0"			
H 15	2"	Avs H 13	Avs H 15	2'-0"			
H 18	2"	8'-0"					



SECTION X-X
Scale: 3/4" = 1'-0"

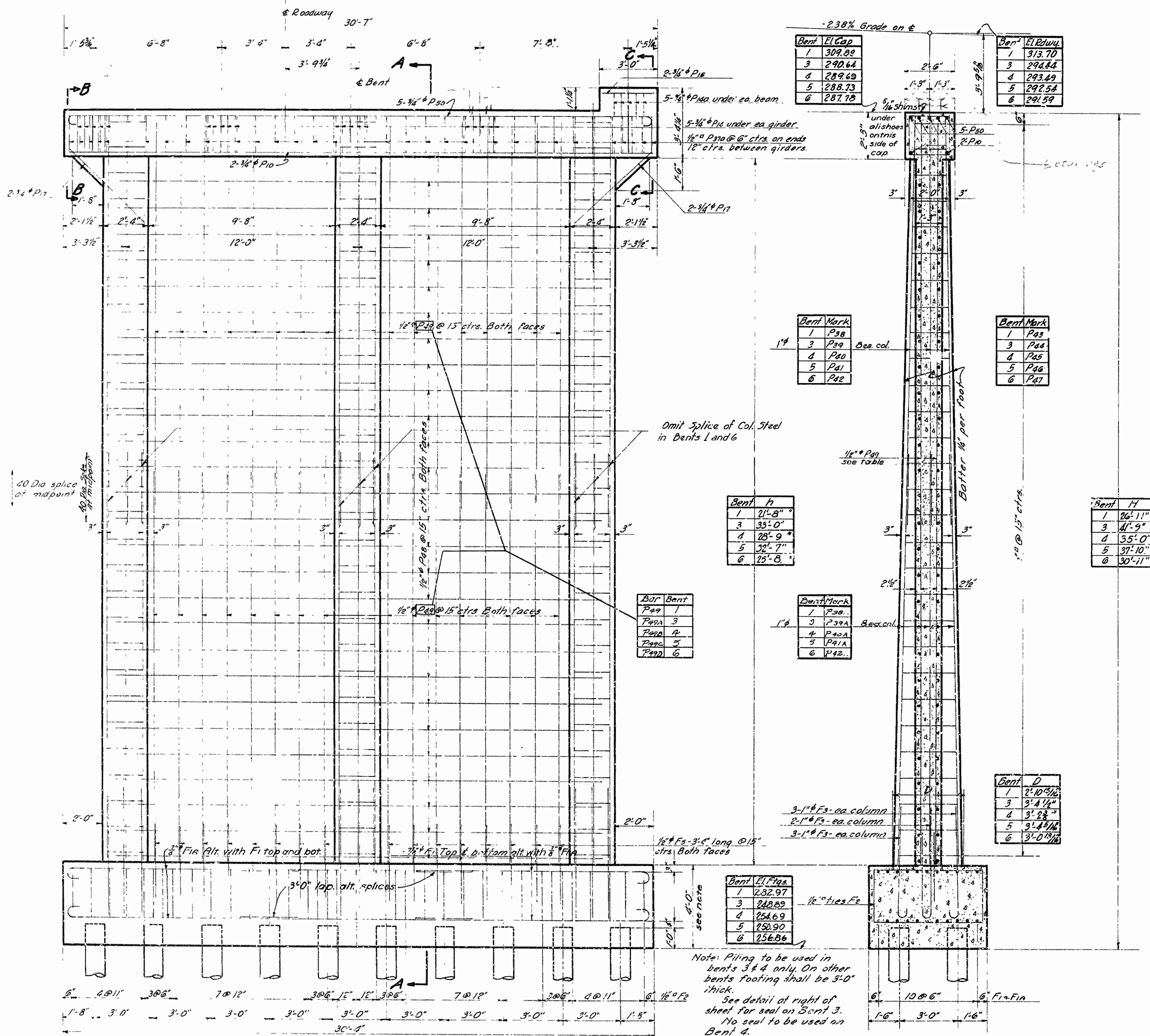
DETAILS OF ABUTMENT OVERPASS OVER S.L.-S.F. R.Y. IMBODEN, ARK.
LAWRENCE & RANE, LPH COS.
 ROUTE 62 SEC. 18A & 18
ARKANSAS STATE HIGHWAY COMMISSION
 LITTLE ROCK, ARK.

Drawn By: Z.V. Date: 12-12-25
 Traced By: J.W. Date: 1-6-26
 Checked By: S.W. Date: 7-30-30
 BRIDGE NO. 1984 DRAWING NO. 4329

Scale: 3/4" = 1'-0"

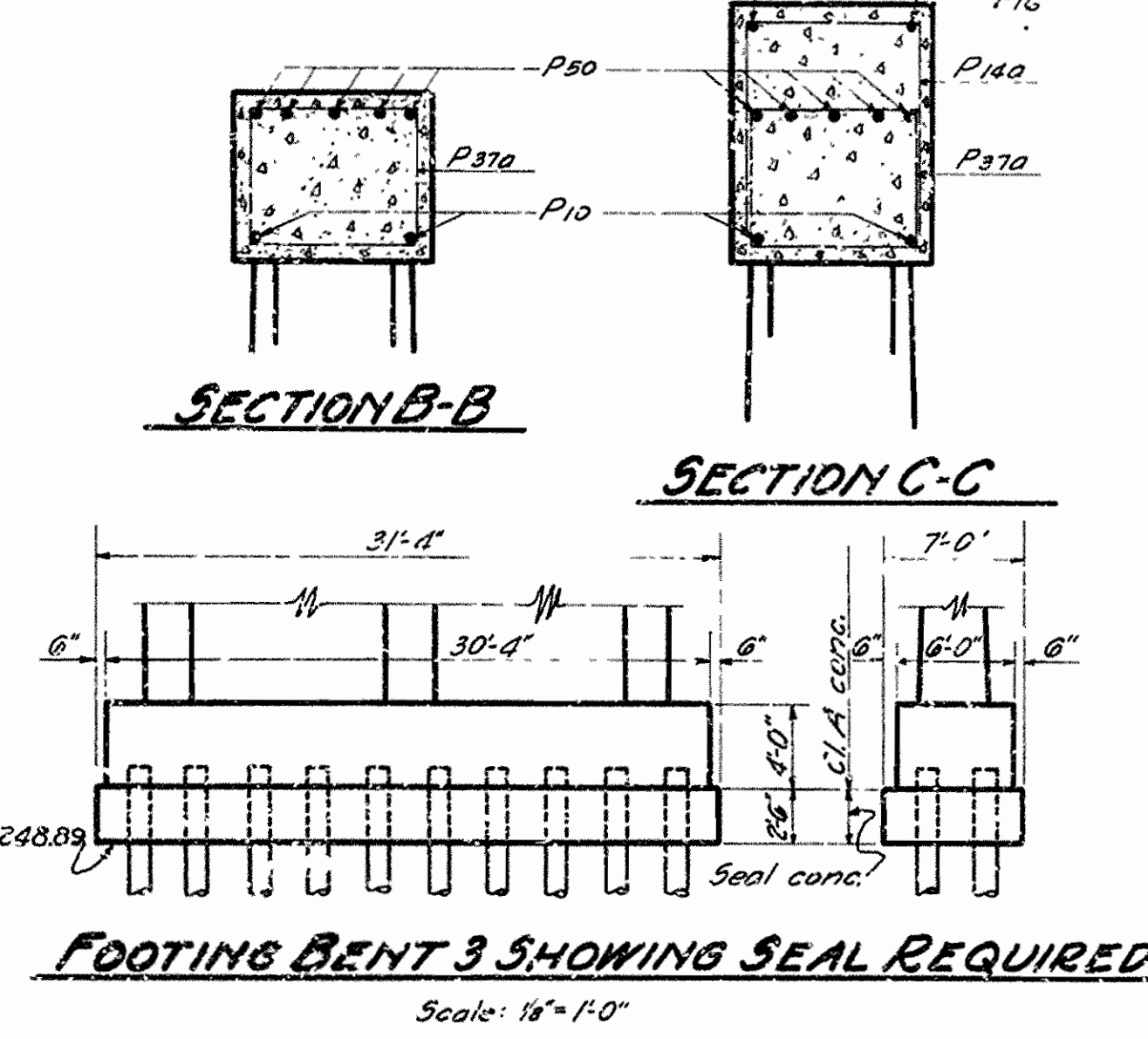
N. R. Sawyer
 BRIDGE ENGINEER

FED. ROAD DIST. NO.	STATE	USHWPGC PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.	WPGM 417A WPGH 417A		5	4
STATE JOB NO. 10-187					



BAR LIST - BENTS 1 & 9 INC.

Mark	Size	Length	A	B
P7	1"	27'-10"	25'-10"	8"
P11	1 1/8"	32'-2"	30'-2"	8"
P50	3/4"	31'-8"	30'-2"	6"
P35	3/4"	8'-6"	3'-3"	5'-0"
F3	1"	7'-3"	6'-3"	8"
P29	1"	25'-1"	22'-1"	8"
F2	1 1/2"	16'-5"	2'-6"	5'-4"
F8	1 1/2"	6'-3"	1'-11 1/2"	1'-7 1/2"
F13	1 1/2"	9'-3"	1'-11 1/2"	3'-1 1/2"
P29	1/2"	8'-10 1/4"	4 1/16"	1'-6 3/4" to 2'-7 1/2"
P20	1/2"	8'-10 3/4"	1'-11 1/2"	1'-6 3/4" to 2'-7 1/2"
P21	1/2"	8'-10 3/4"	1'-11 1/2"	1'-6 3/4" to 2'-7 1/2"
P33	1/2"	7'-3"	1'-11 1/2"	2'-1 1/2"
P37	1/2"	8'-3"	2'-1 1/2"	1'-7 1/2"
P20	1/2"	8'-9"	2'-4 1/2"	1'-10 1/4"
P23	1/2"	8'-8 3/4"	1'-11 1/2"	1'-6 3/4" to 2'-5 3/8"
P14	1/2"	4'-2 3/4"	1'-11 1/2"	1'-6 3/4" to 2'-11 1/2"
P45	1/2"	9'-0 3/4"	1'-11 1/2"	1'-6 3/4" to 2'-9 3/8"
P46	1/2"	5'-2 3/4"	1'-11 1/2"	1'-6 3/4" to 2'-11 1/2"
P47	1/2"	8'-10 3/4"	1'-11 1/2"	1'-6 3/4" to 2'-7 3/8"
P14	3/4"	5'-10 1/2"	2'-1 1/2"	1'-10 1/2"
P40	3/4"	8'-0 1/2"	2'-1 1/2"	2'-11 1/2"
P15	3/4"	4'-10"	10 1/16"	1'-11 3/4"
F4	1 1/4"	1'-2"	6'-11"	3'-8"
F1	1 1/2"	17'-6"		
F1	3/4"	21'-5"	20'-7"	7"
F1	3/4"	12'-10"	12'-0"	7"



DETAILS OF INTERMEDIATE BENTS 3, 4, 5 & 6 OVERPASS OVER ST. L.-S.F. R.W.Y. IMBODEN LAWRENCE & RANDOLPH COUNTIES ROUTE 62 SEC. 13A & 13

ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

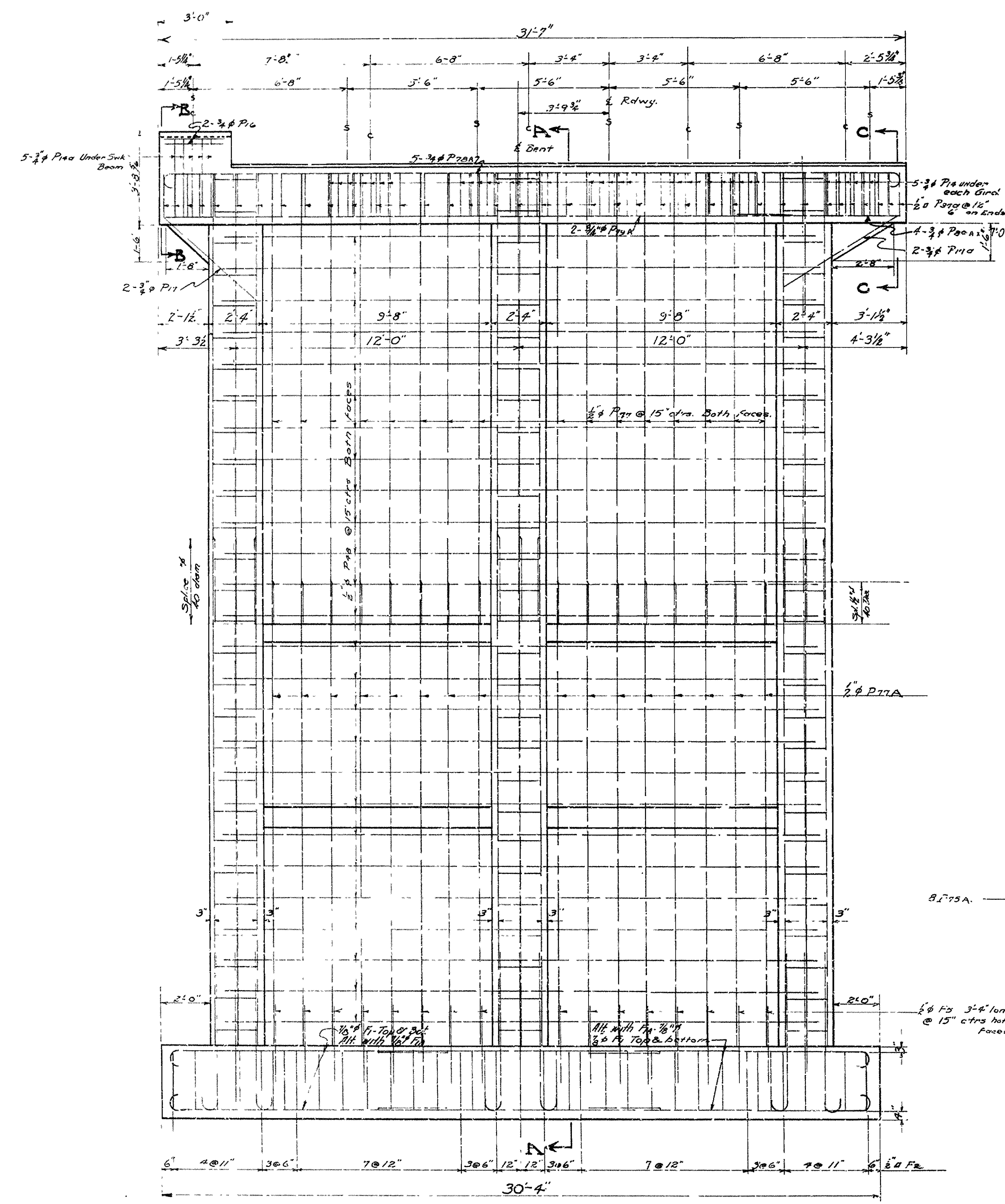
Drawn By: M.R. Date: 2-2-35
Traced By: C.E.P. Date: 2-21-35
Checked by: E.A.W. Date: 1-31-36

Scale: 3/8" = 1'-0"

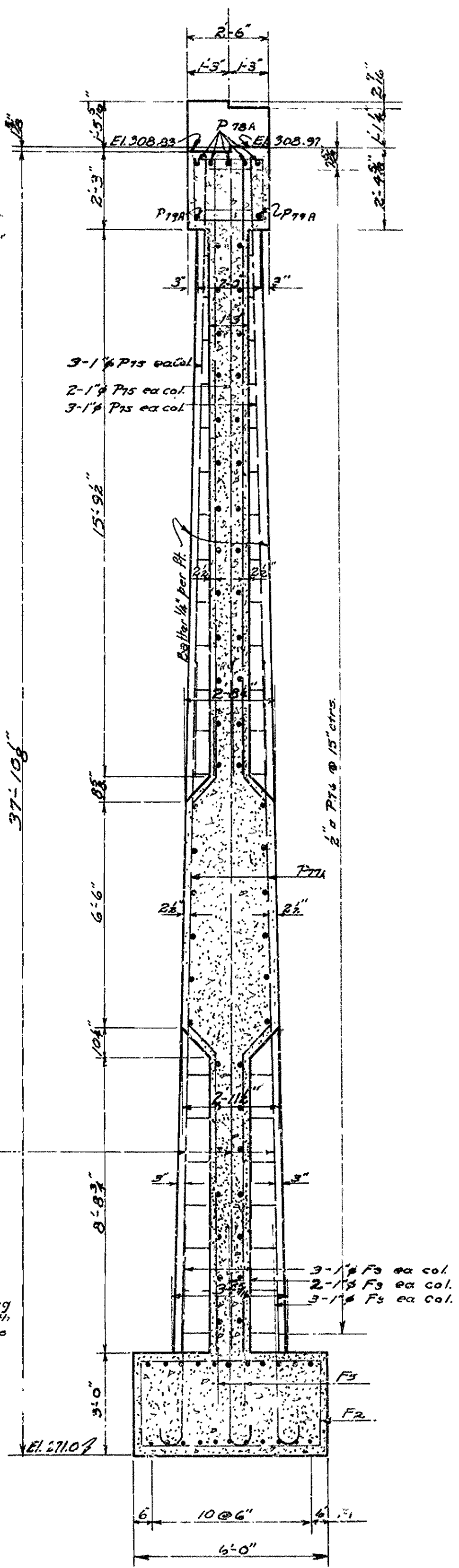
BRIDGE NO. 1984 DRAWING NO. 4330

M.R. Lawler
BRIDGE ENGINEER

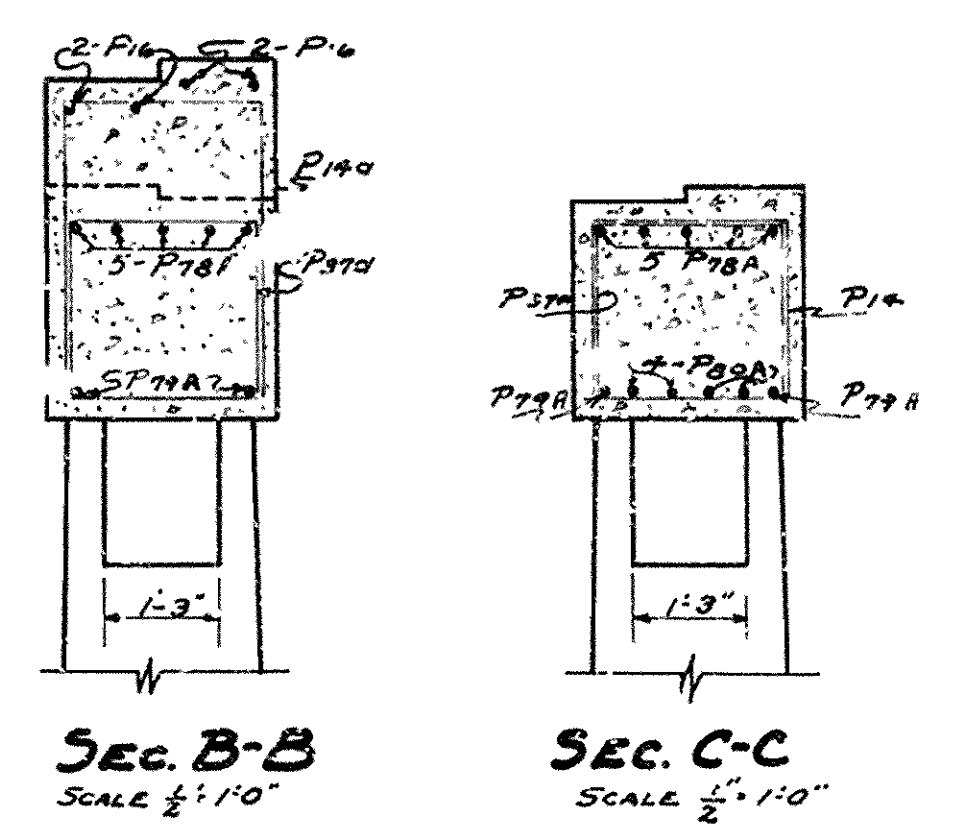
FED. ROAD DIST. NO.	STATE	U.S. W.P. & G.C. PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.	W.P.G.M. 417A W.P.G.H. 417A		3	52
STATE JOB NO. 10-187				6	42



ELEVATION - LOOKING SOUTH



SEC. A-A



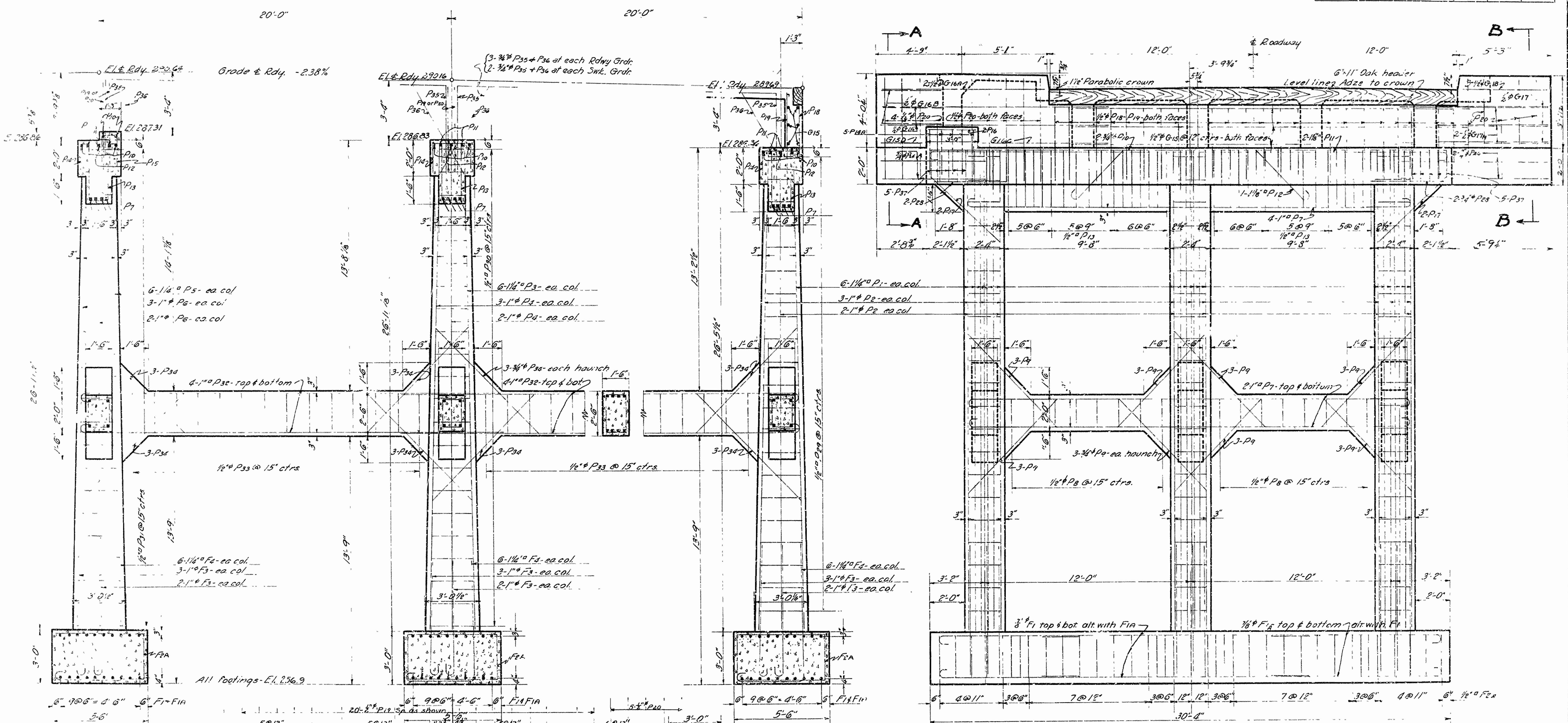
MARK	SIZE	LENGTH	A	B	BENDING DIAGRAM
P16A	3/4"	32'-7"	3'-1"	6"	
P17A	1/2"	19'-0"			
P17B	1/2"	9'-2"	1'-11 1/2"	1'-6 1/2" to 2'-1 1/2"	
F1A	1/2"	15'-10"	2'-6 3/8"	5'-0"	

For Bending Diagrams not shown here see Dwg. #4330

DETAILS OF BT. 2
OVERPASS OVER ST. L. - SF. RY.
IMBODEN
LAWRENCE & RANDOLPH COS.
ROUTE 62 SEC. 18A & 18
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.
 Drawn By: *A.B.* Date: 12-16-35
 Traced By: *W.J.* Date: 12-22-36
 Checked By: *E.H.W.* Date: 2-1-36
 BRIDGE NO. 1984 DRAWING NO. 4331

N.B. Laver
 BRIDGE ENGINEER

FED. ROAD DIST. NO.	STATE	U.S.W.R.C. PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.	WPGM 417A WPGH 417A		7	40
STATE JOB NO. 10-187				7	40



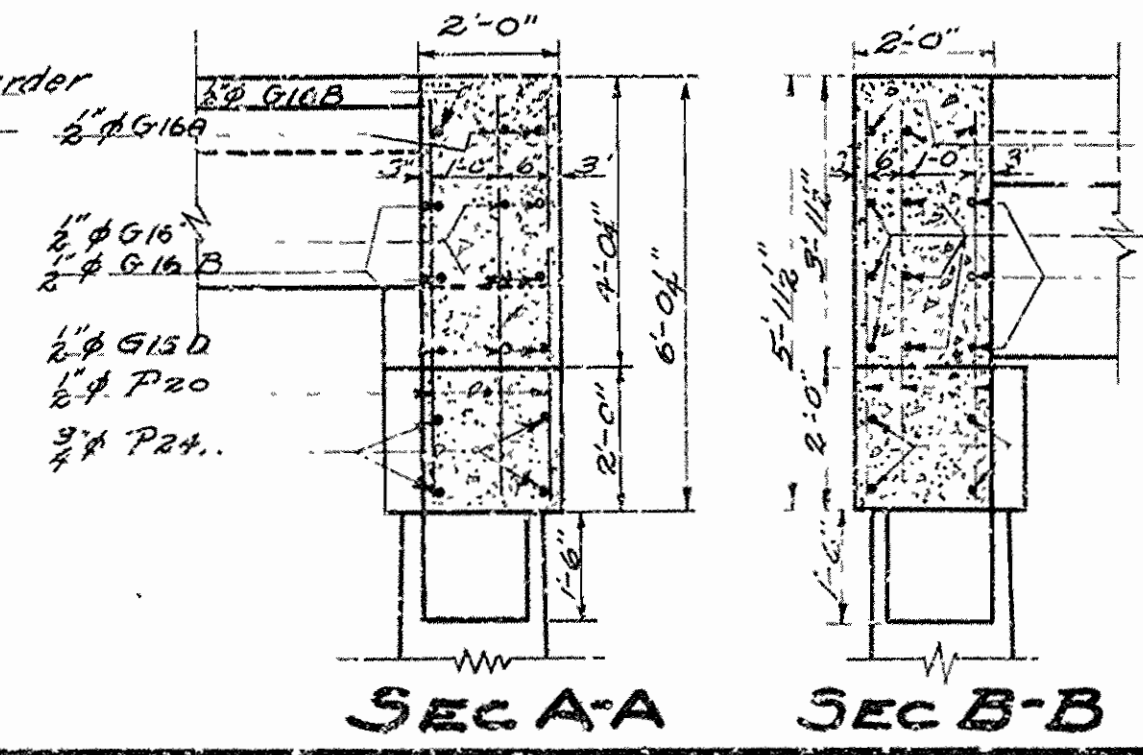
BENT 7

BENT 8

BENT 9

REAR ELEVATION - BENT 9

PARTIAL ELEVATION - BENT 7
Columns and footings similar to Bent No. 9.



For Bending Diagrams see Drawgs. No 4331 & No 4330

**DETAILS OF TOWER BENTS 7-8-9
OVERPASS OVER STL-S.F. RWY.
IMBODEN
LAWRENCE & RANDOLPH COUNTIES
ROUTE 62 SEC. 18A & 18**

**ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.**

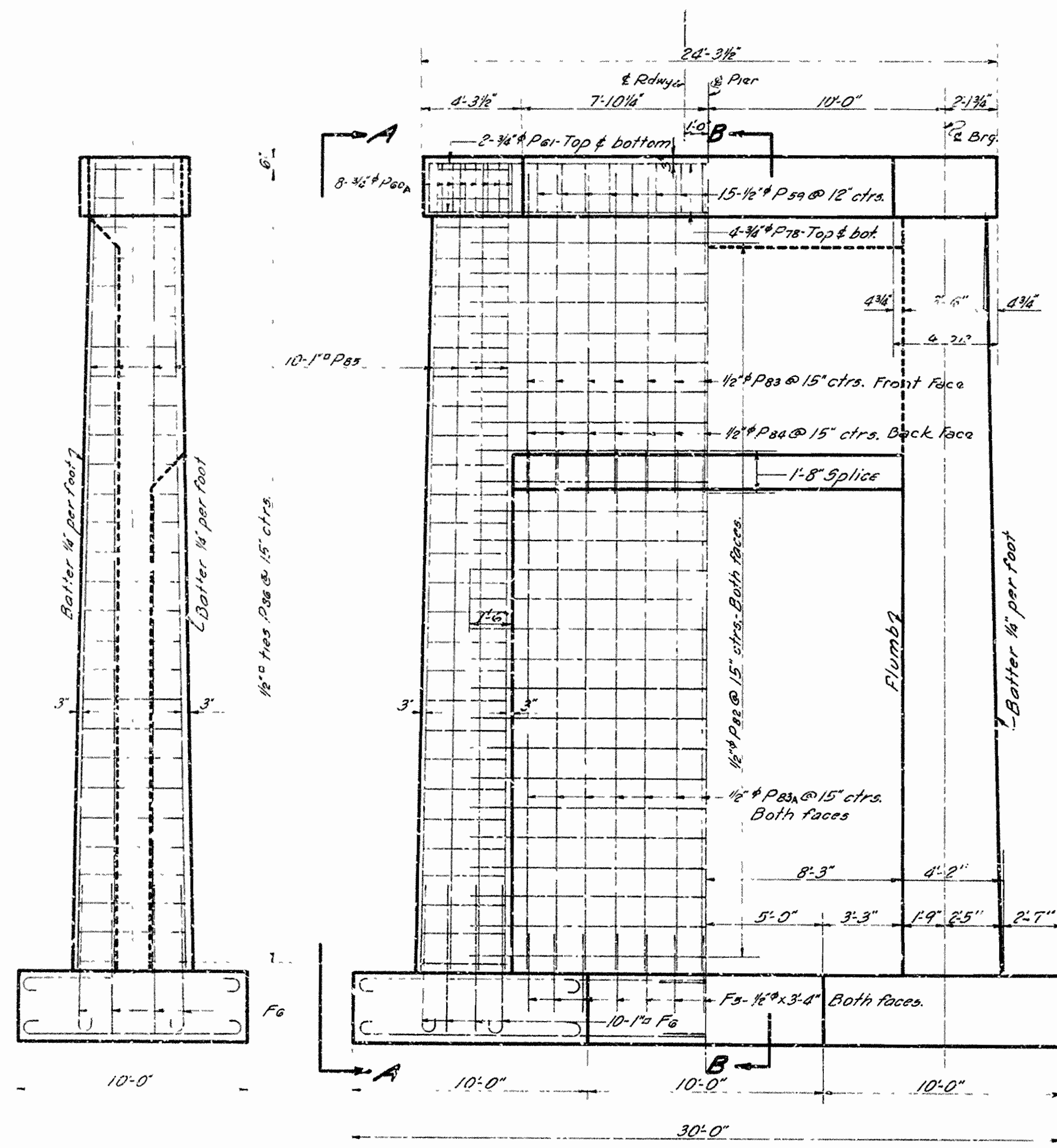
Drawn By: *M.B.* Date: 12-4-35
Traced By: *C.E.P.* Date: 12-28-35
Checked By: *E.A.W.* Date: 2-3-36

Scale: 3/8" = 1" n.

BRIDGE NO. 1984 DRAWING NO. 4332

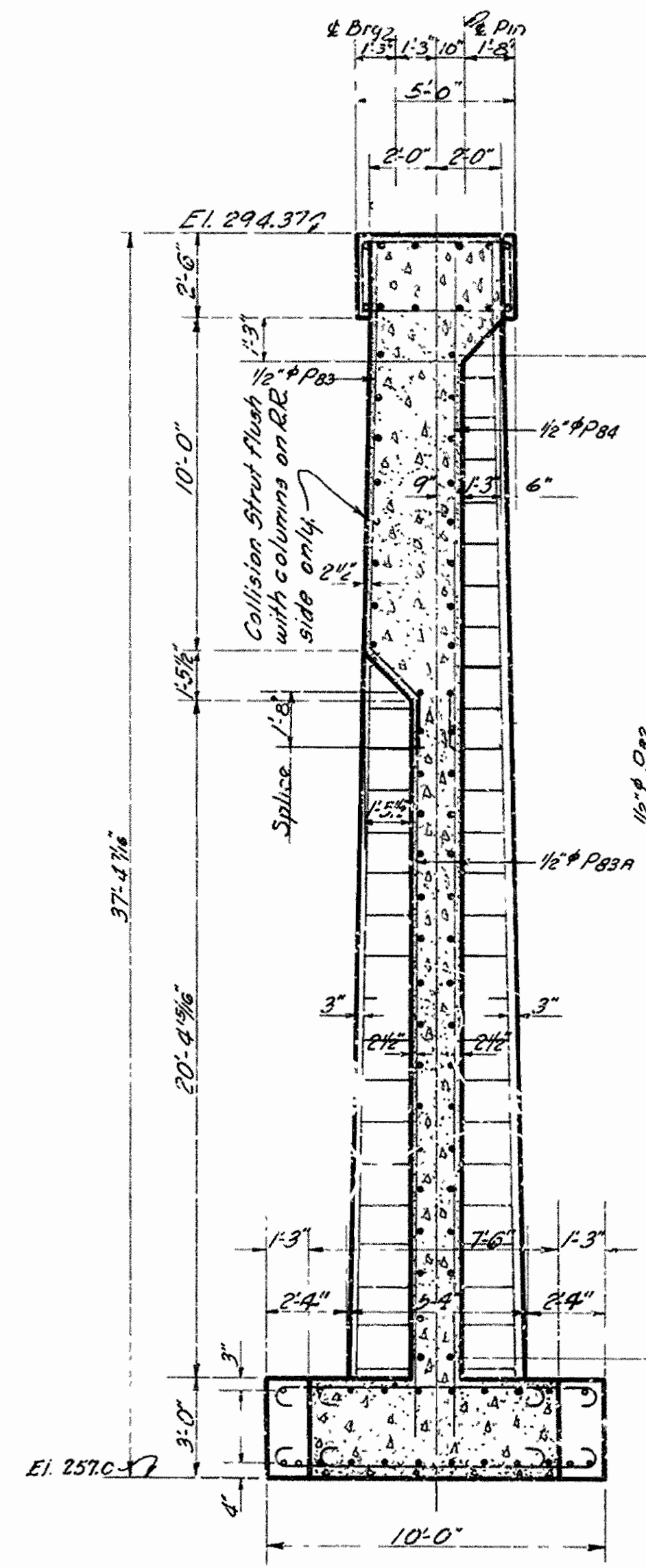
N.R. Barber
BRIDGE ENGINEER

FED. ROAD DIST. NO.	STATE	U.S.W.D.C. PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.	WDGM 417-A KIDGH 417-A		2	52
STATE JOB NO. 10-187				2	24

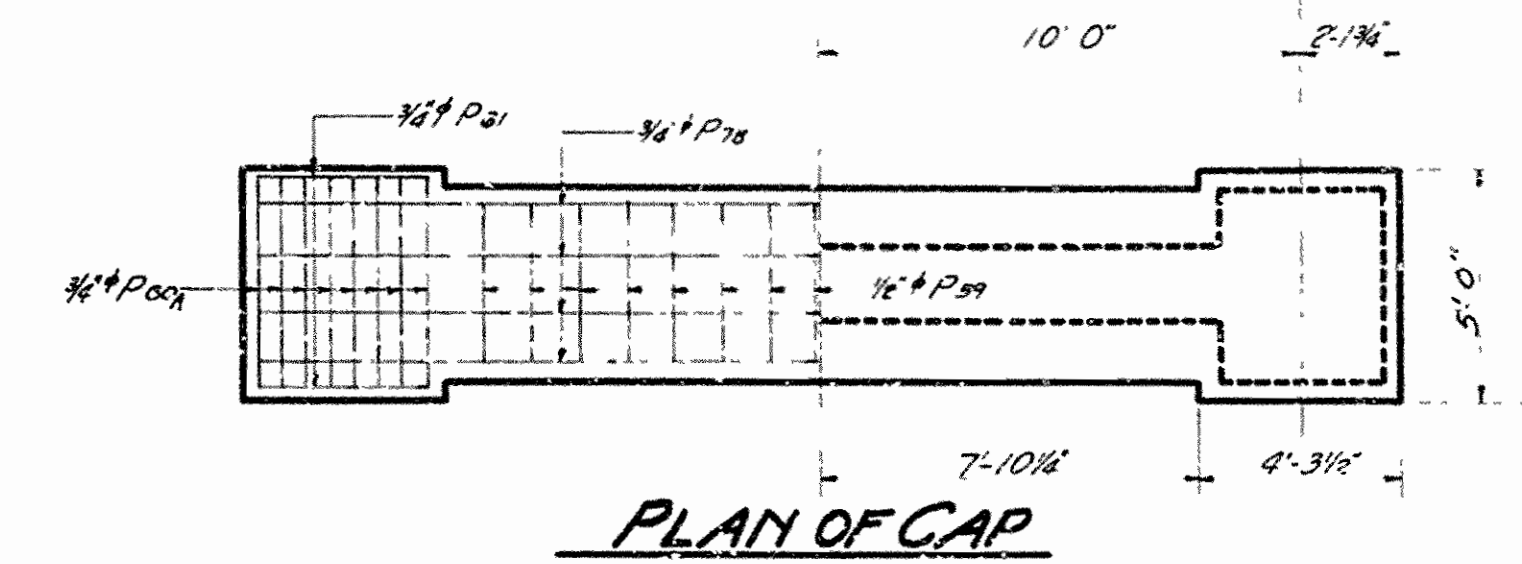


VIEW A-A

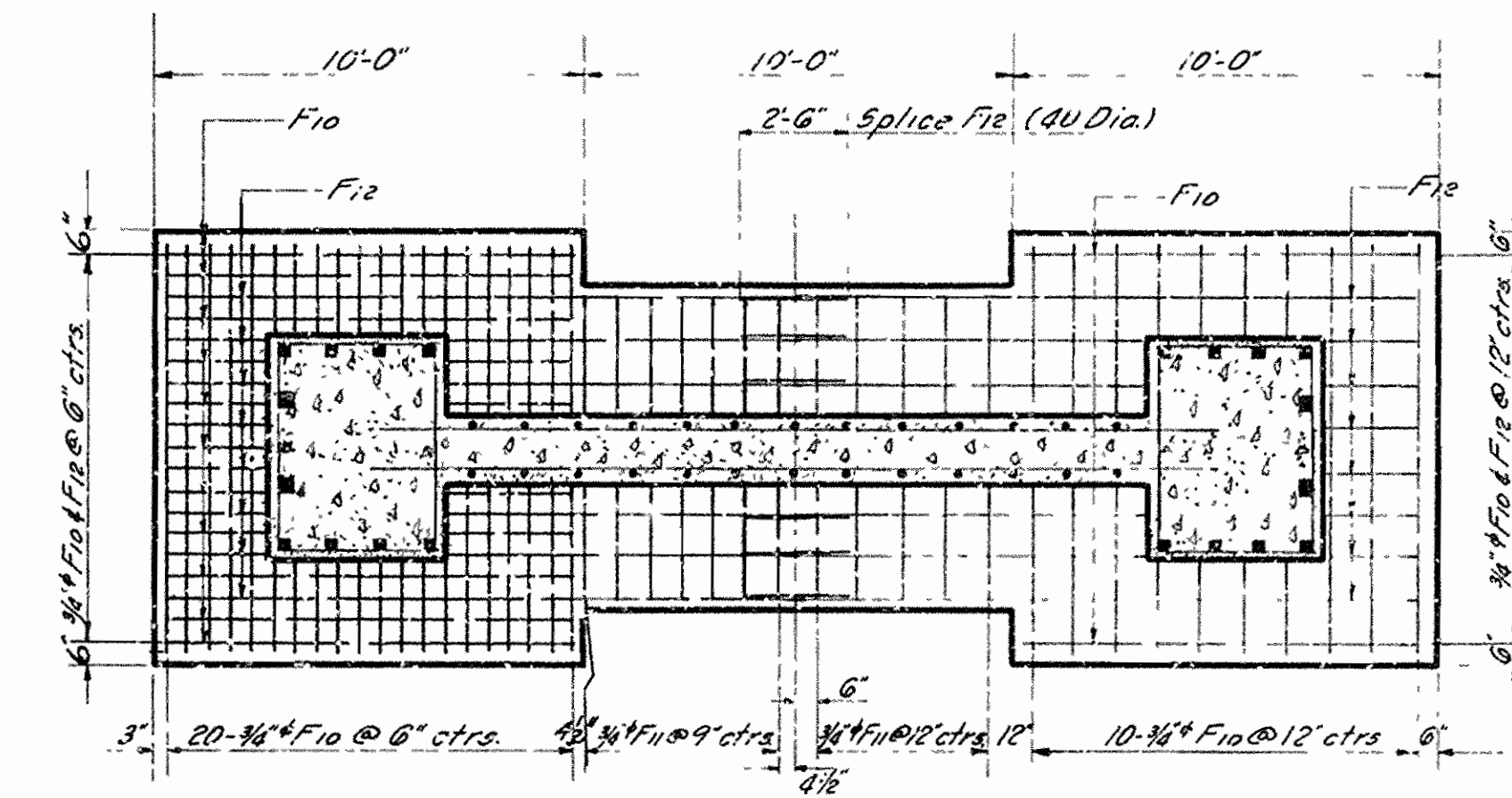
ELEVATION



SECTION B-B



PLAN OF CAP



HALF PLAN SHOWING STEEL IN BOTTOM HALF PLAN SHOWING STEEL IN TOP FOOTING PLAN

Mark	Size	Length	A	L	BENDING DIAGRAMS
F10	3/4"	11'-0"	9'-6"	5"	
F11	3/4"	8'-6"	7'-0"	6"	
F12	1"	7'-3"	6'-3"	8"	
P20A	3/4"	14'-3"	4'-7 1/2"	2'-1 1/2"	
P20B	1/2"	16'-11 1/2"	3'-6 1/2"	3'-7"	
P20C	1/2"	12'-3"	3'-7 1/2"	2'-1 1/2"	
P20D	1/2"	15'-11"			

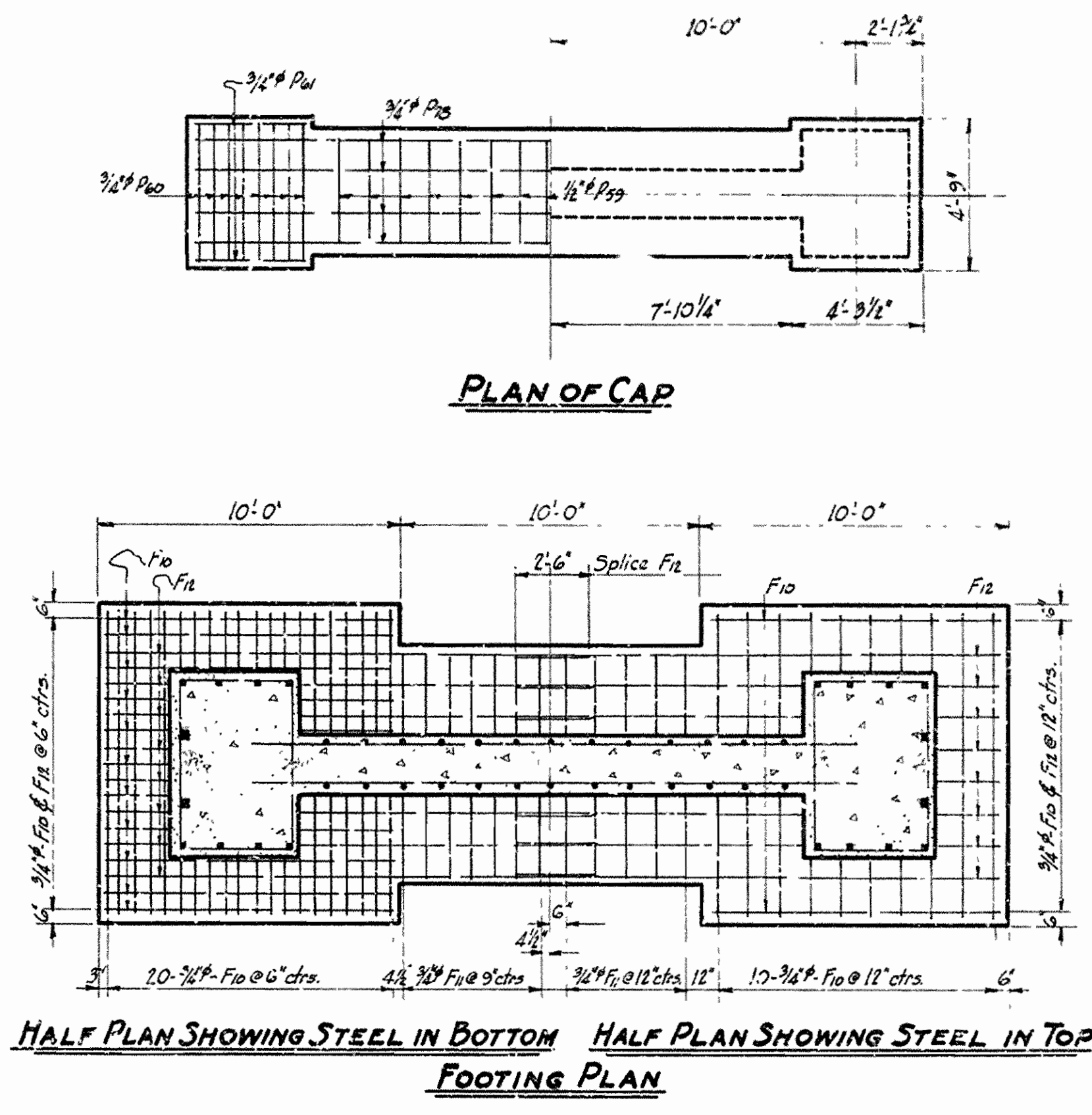
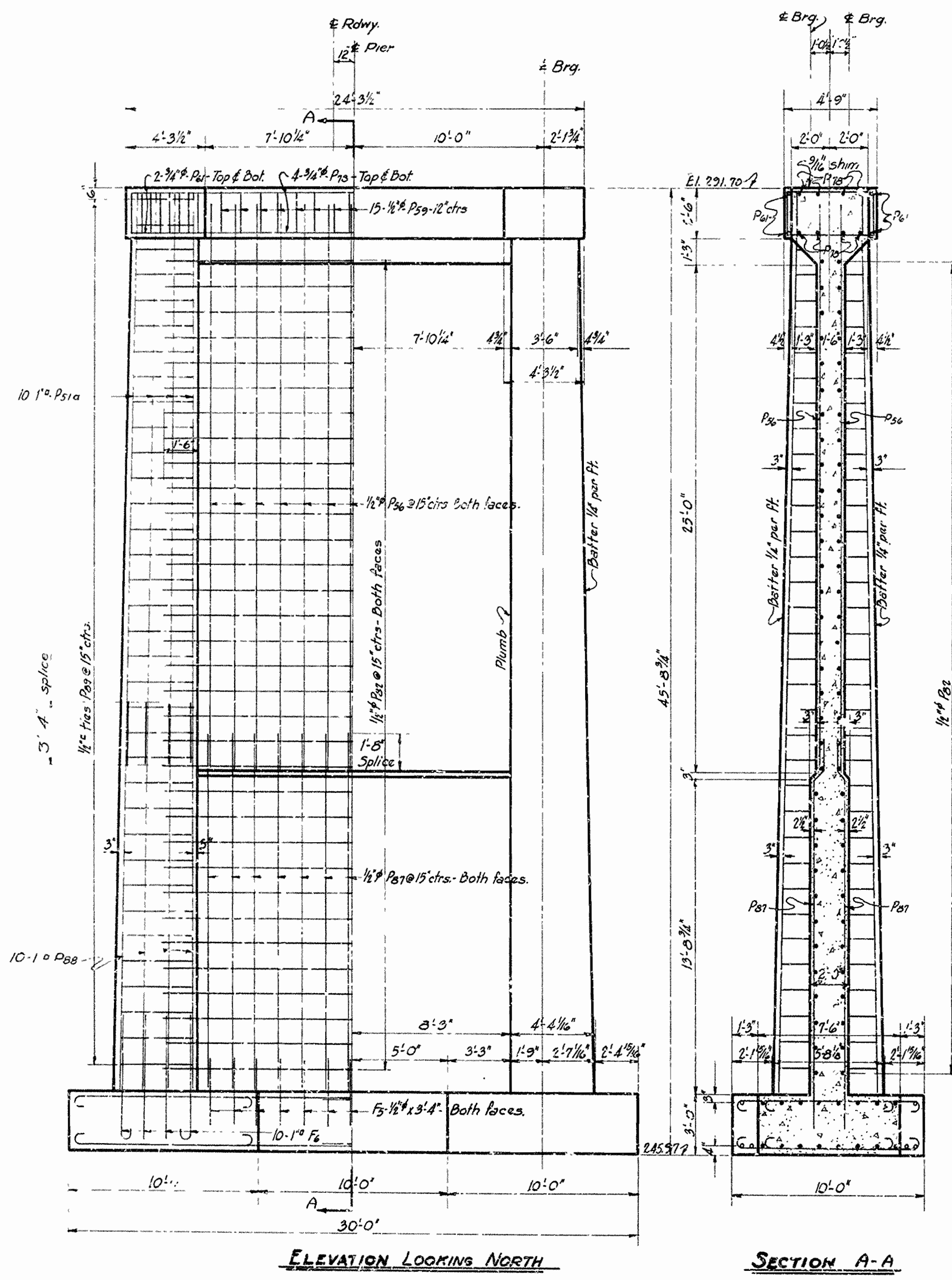
For General Notes See Dwg 4334

DETAILS OF PIER NO. 1.
OVERPASS OVER ST. L.-S.F. R.W.Y.
IMBODEN
LAWRENCE & RANDOLPH COUNTIES.
ROUTE 62 SEC. 19A & 18
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

Drawn By: MR. Date: 1-2-36
Traced By: GEP Date: 1-5-36
Checked By: HND Date: 1-28-36
BRIDGE NO. 1984 DRAWING NO. 4334

N. B. Barlow
BRIDGE ENGINEER

FED. ROAD DIST. NO.	STATE	U.S.M.P.G.C. PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.	WPGM 417-A WPGH 417A		11	52
STATE JOB NO. 10-137					11



Mark	Size	Length	A	B	Bending Diagram
F10	3/4"	11'-0"	9'-6"	6"	
F11	3/4"	8'-6"	7'-0"	6"	
F0	1"	7'-3"	6'-3"	8"	
F2	3/8"	16'-9"	16'-9"	6"	
P00	1/2"	16'-7 1/2"	3'-6 1/2"	3'-11 3/8"	
P01	1/2"	15'-7"			

For bent bars not detailed here see Drwg No. 4337

GENERAL NOTES ON SUBSTRUCTURES
 All concrete to be Class A unless Seal Concrete is called for.
 All exposed corners to have 3/4" chamfer unless otherwise noted.
 Reinforcing steel to be deformed bars of Structural or Intermediate grade Shop lists and bending diagrams of rods shall be submitted by contractor and approved before fabrication is begun.
 All dimensions relating to reinforcing steel are to centers of bars.
 Unit Stresses: $f_c = 16,000 \text{ psi}$; $f_s = 650 \text{ psi}$,
 max. load per pile 14.3 T
 Loading: 1.15 Highway
 Specifications: Arkansas Standard Road and Bridge Specifications adopted May 30th, 1925 and revised

Note: Dwg. not to Scale Vertically.

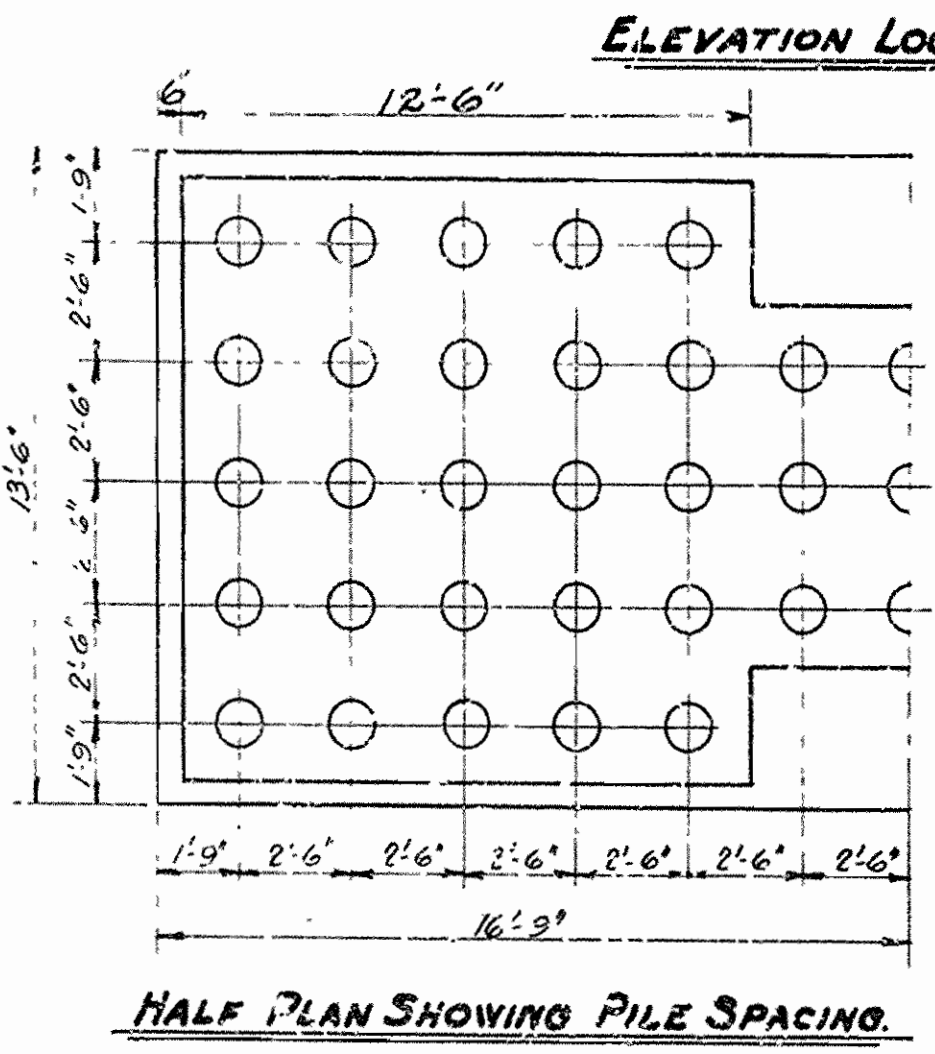
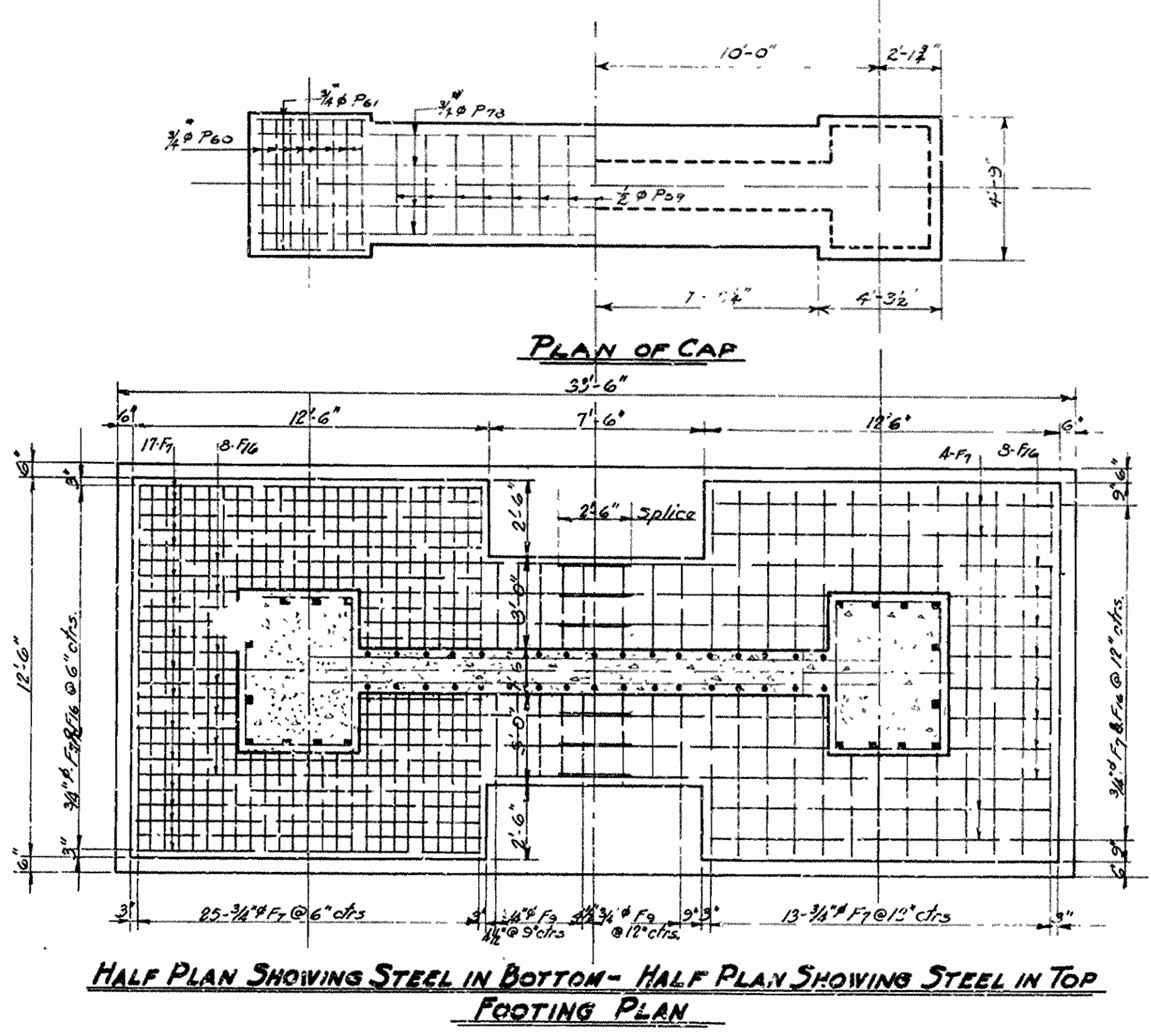
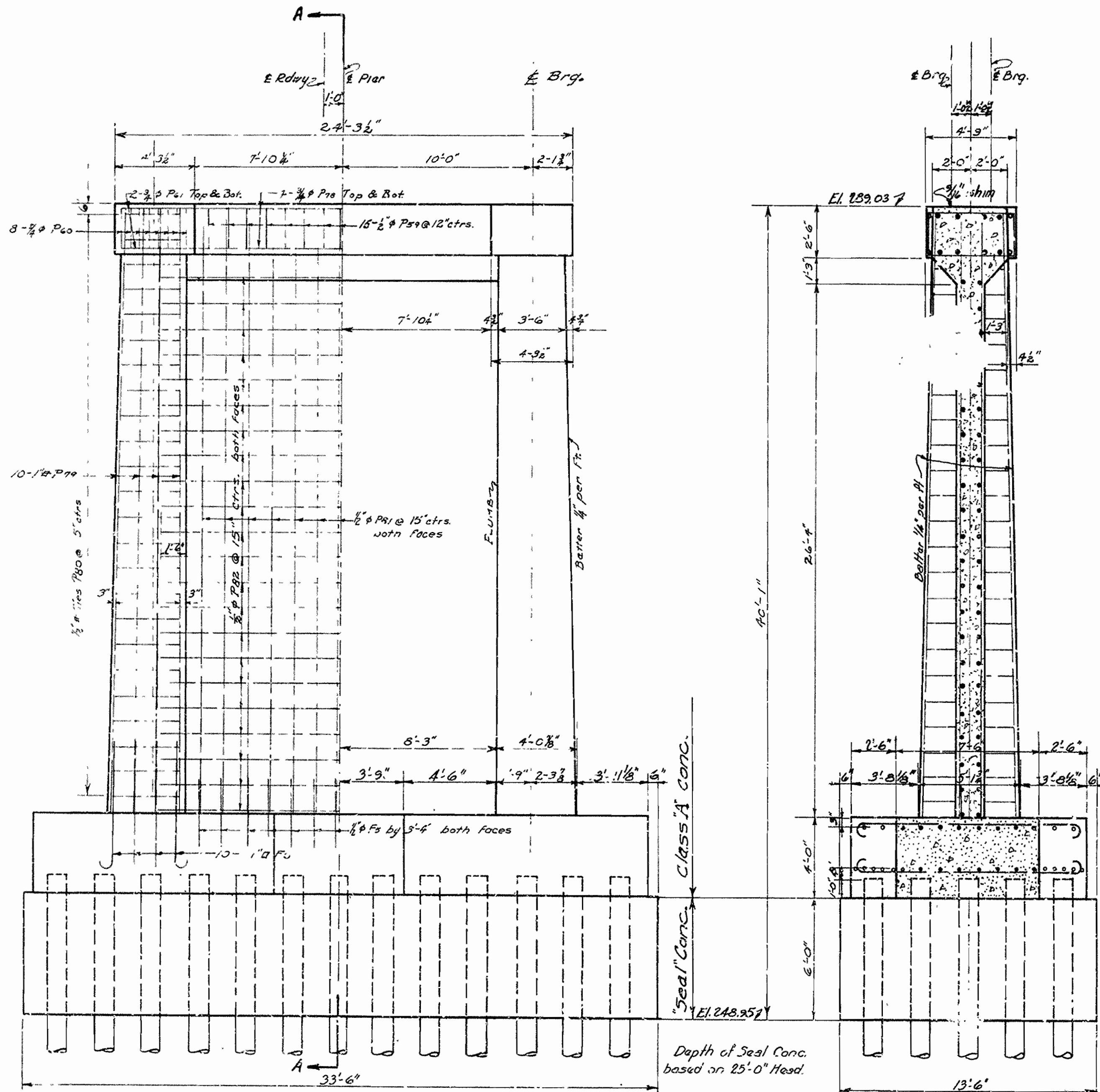
**DETAILS OF PIER No. 2
 OVERPASS OVER ST. L. - S. F. Rwy.
 IMBODEN
 LAWRENCE - RA. DOLPH COUNTIES**

ROUTE 62 SEC. 16-2 R. 18
ARKANSAS STATE HIGHWAY COMMISSION
 LITTLE ROCK, ARK.
 Drawn By: M.R. Date: 1-6-36
 Traced By: C.E.H.R. Date: 1-6-36
 Checked By: H.A.D. Date: 1-24-36
 Scale: 1/4 in. = 1 ft.
BRIDGE No. 1984 DRAWING NO. 4334

M. B. Harver
 BRIDGE ENGINEER

281

FED. ROAD DIST. NO.	STATE	USWPGC PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.	WPGM 417A WPGH 417A		12	20
STATE JOB NO. 10-187					24



MARK	SIZE	LENGTH	A	B	
F7	3/4" φ	13'-6"	12'-0"	6"	
F9	3/4" φ	8'-6"	7'-0"	6"	
F80	1/2" φ	15'-9" Ave	3'-6" to 3'-7"	3'-1" to 3'-2"	
F59	1/2" φ	12'-3"	3'-7"	2'-1"	
F16	3/4" φ	18'-0"	17'-3"	6"	

DETAILS OF PIER No 3
OVERPASS OVER ST. L. - S.F. RY.
IMBODEN
LAWRENCE & RANDOLPH COS.

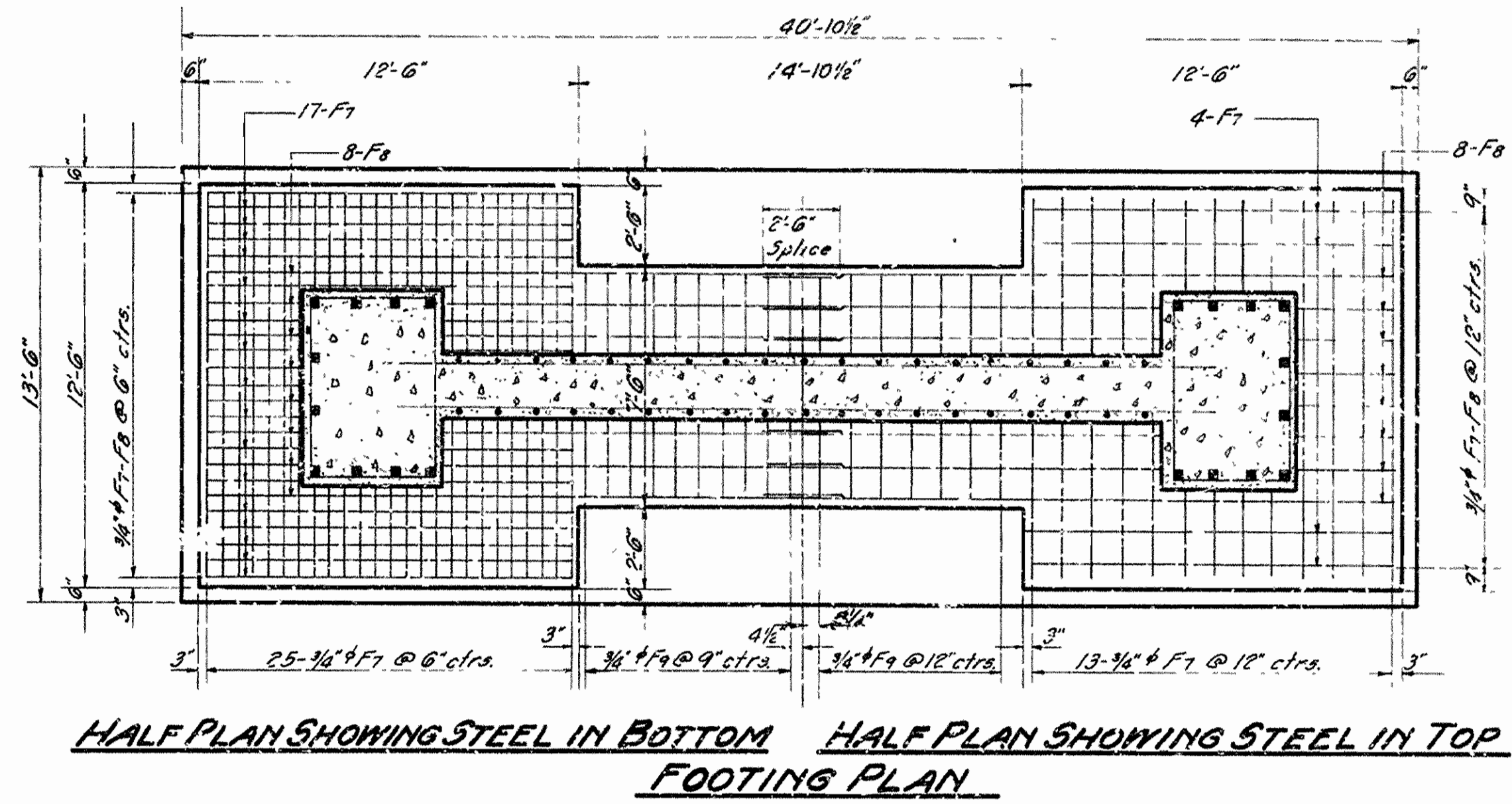
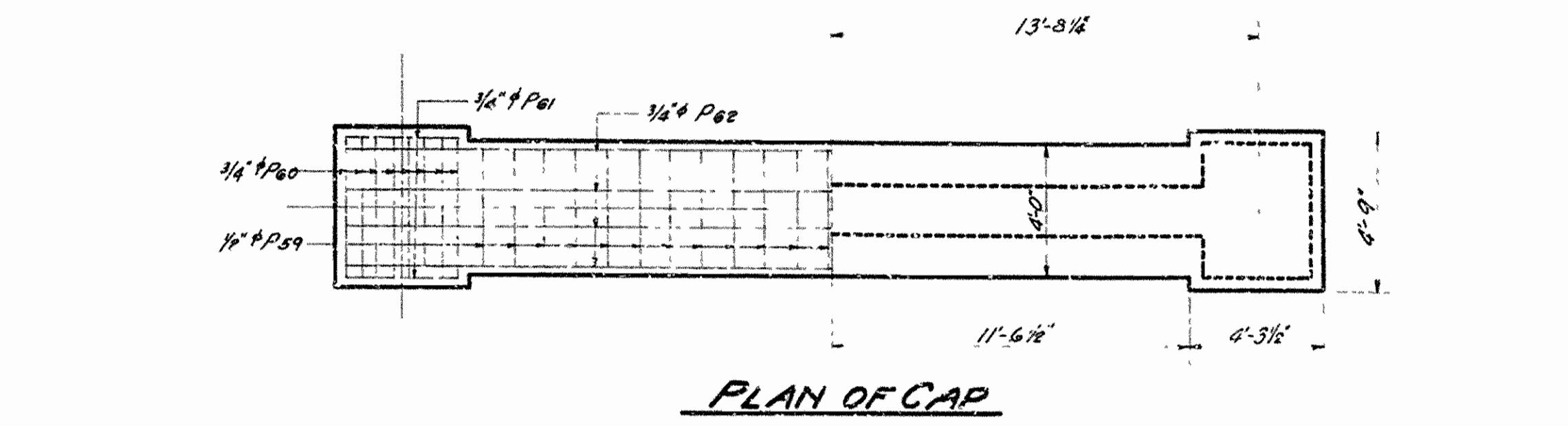
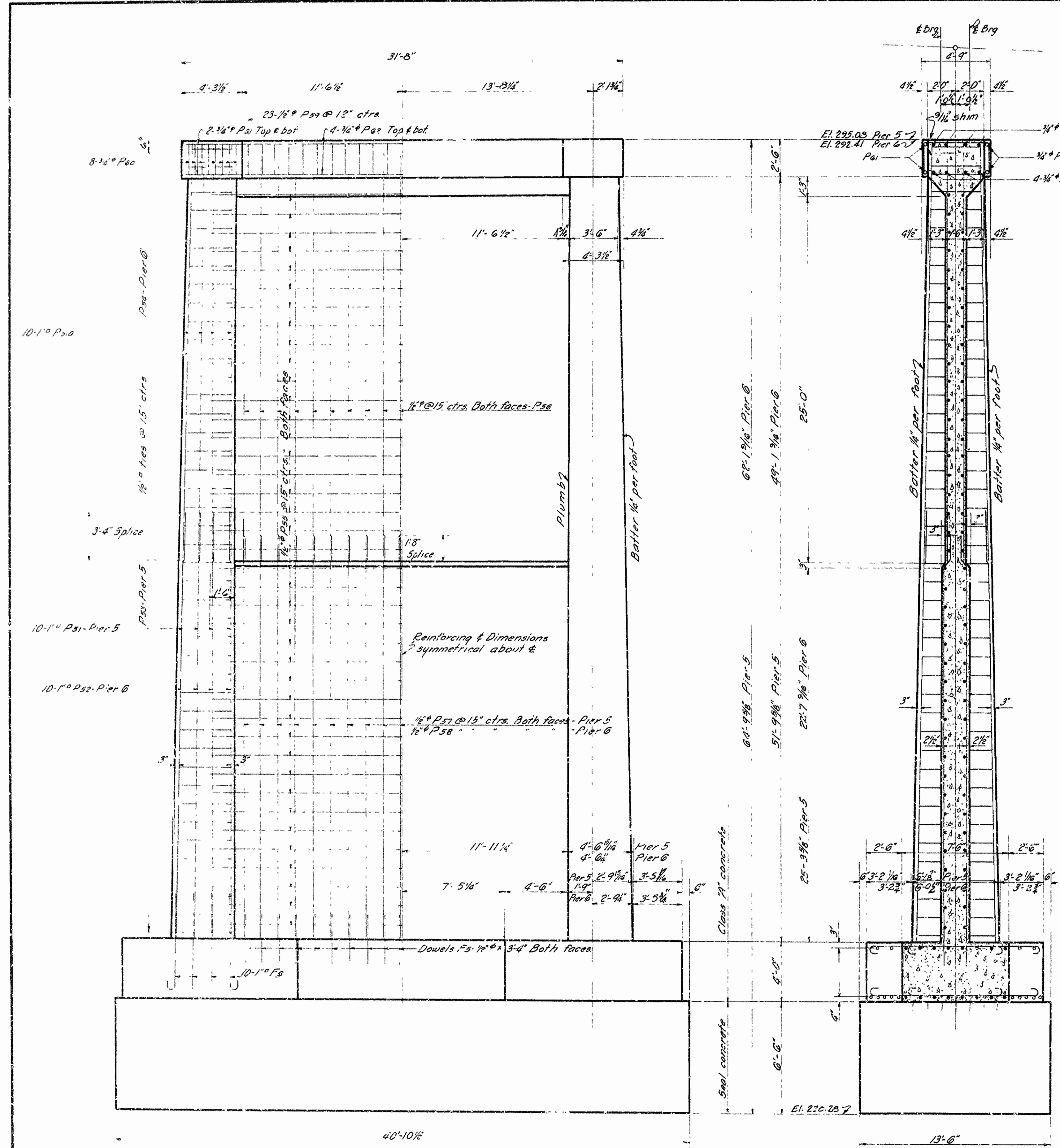
ROUTE 62 SEC. 18A & 18
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

Drawn By: W.E. Date: 12-22-35
Traced By: W.E. Date: 12-22-35
Checked By: W.E. Date: 1-27-36
Scale: 1/4" = 1' - 0"

N.B. Harris
BRIDGE ENGINEER

BRIDGE NO. 1987 DRAWING NO. 4335

FED. ROAD DIST. NO.	STATE	U.S.H.R.C. PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.	WPGM 417A WPGH 417A		12	12
STATE JOB NO. 10-187				12	12



MARK	SIZE	LENGTH	A	B	BENDING DIAGRAMS
F7	3/8"	13'-6"	12'-0"	6"	[Bending Diagrams for F7, F9, F8, F6]
F9	3/8"	8'-6"	7'-0"	6"	
F8	3/8"	21'-3"	20'-11"	6"	
F6	1"	7'-3"	6'-3"	8"	
P53	1/2"	17'-11 1/2"	Varies by 3/8" from 12'-0" to 12'-11"		[Bending Diagrams for P53-P65]
P54	1/2"	17'-11 1/2"	Varies by 3/8" from 12'-0" to 12'-11"		
P59	1/2"	12'-3"	3'-7 1/2"	8'-11"	
P60	3/4"	13'-9"	4'-4 1/2"	8'-11"	
P64	1/2"	16'-3 1/2"	5'-0 3/8"	3'-10 1/2"	
P71	3/8"	6'-9"	7'-9"	12'-5"	
P66	3/4"	8'-8 1/2"	7'-2 1/2"	3'-9"	
P67	3/4"	6'-11"	1'-7"	2'-3"	
P68	3/4"	14'-9"			
P69	1/2"	21'-5"	25'-2 1/2"	1'-8 1/2"	
P58	1/2"	24'-7"	22'-6 1/2"	1'-0 1/2"	
P65	1/2"	10'-0"	7'-11"	1'-8 3/4"	
P70	7/8"	11'-10"			

For General Notes See Drwg. 4334

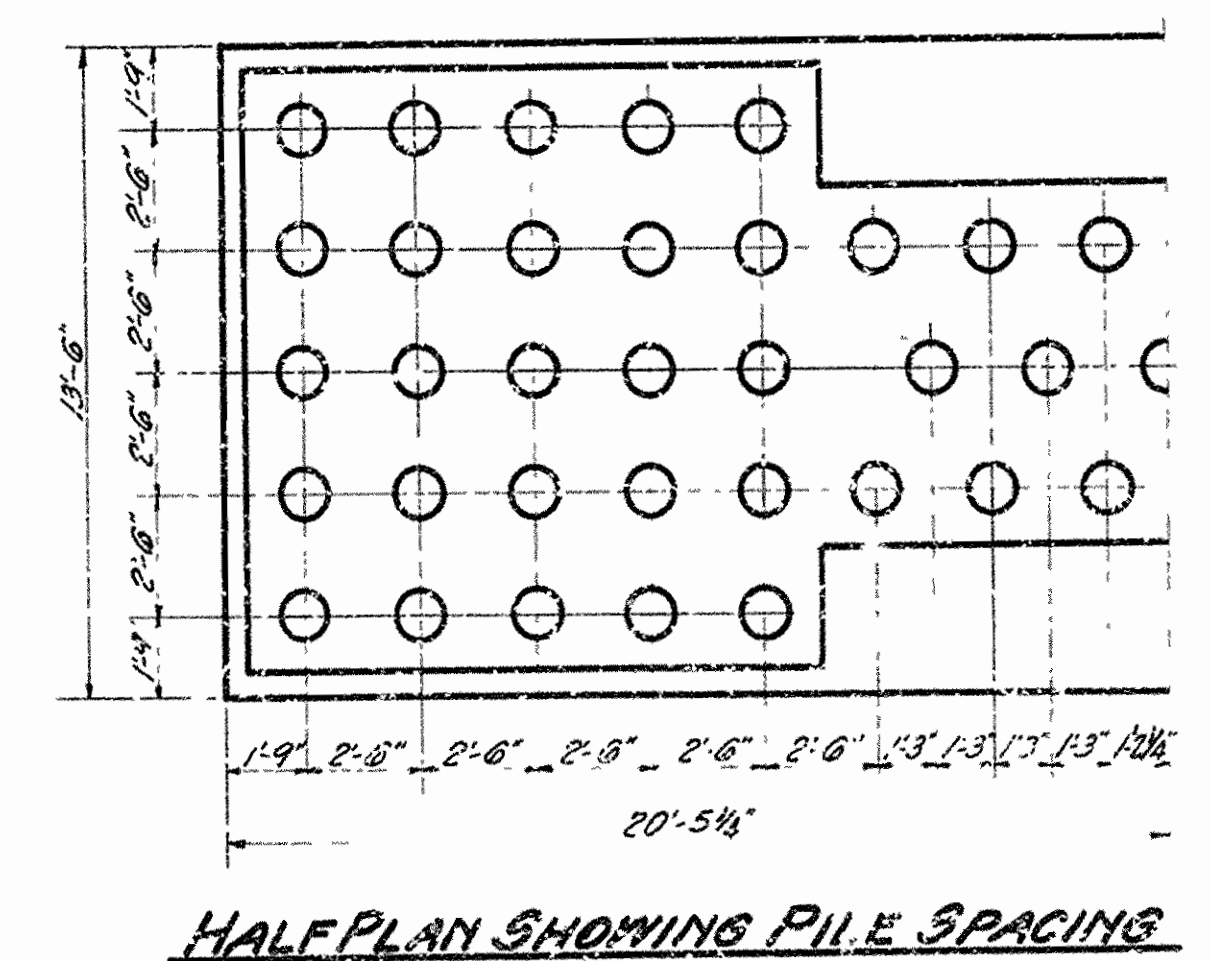
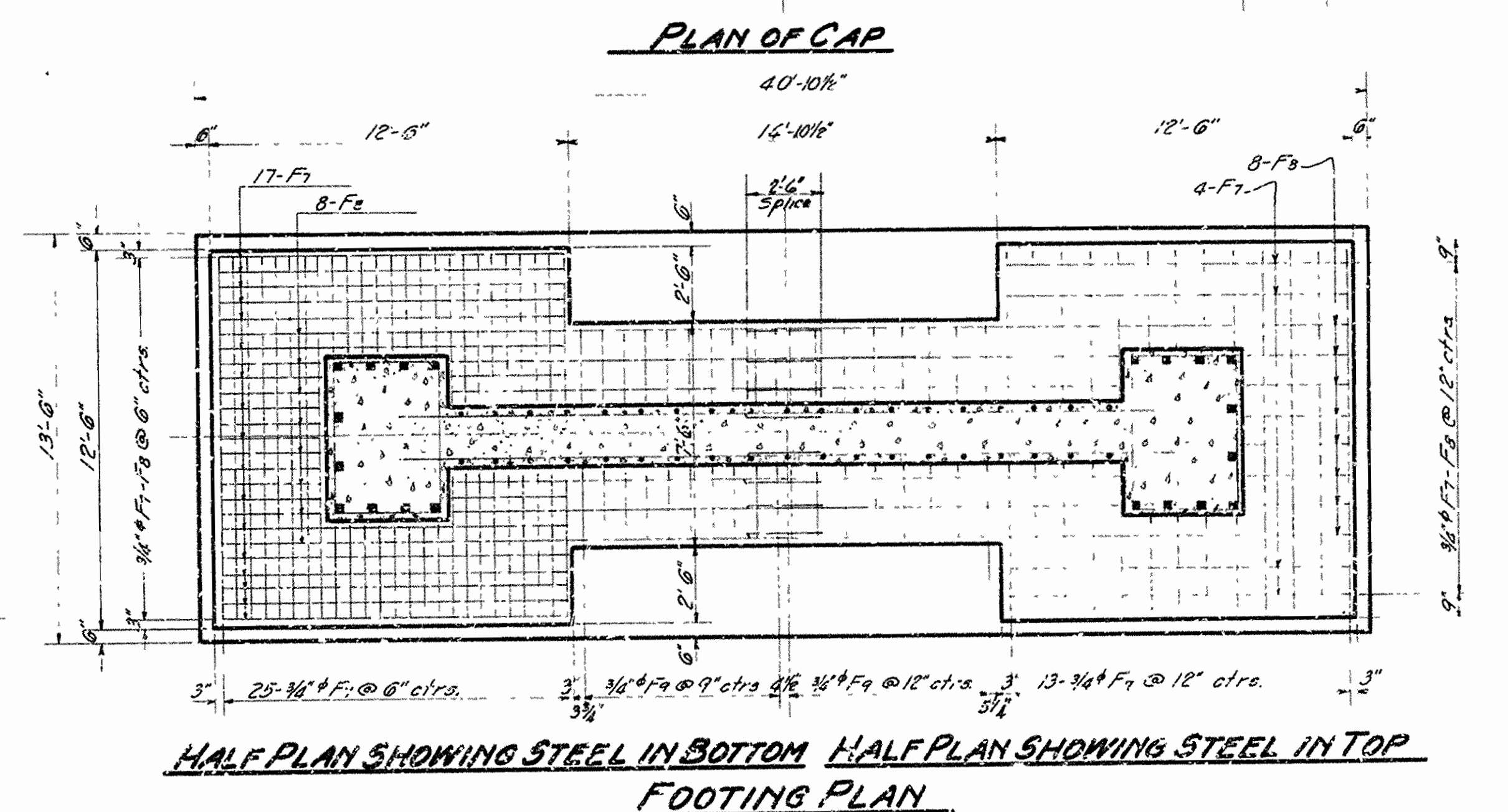
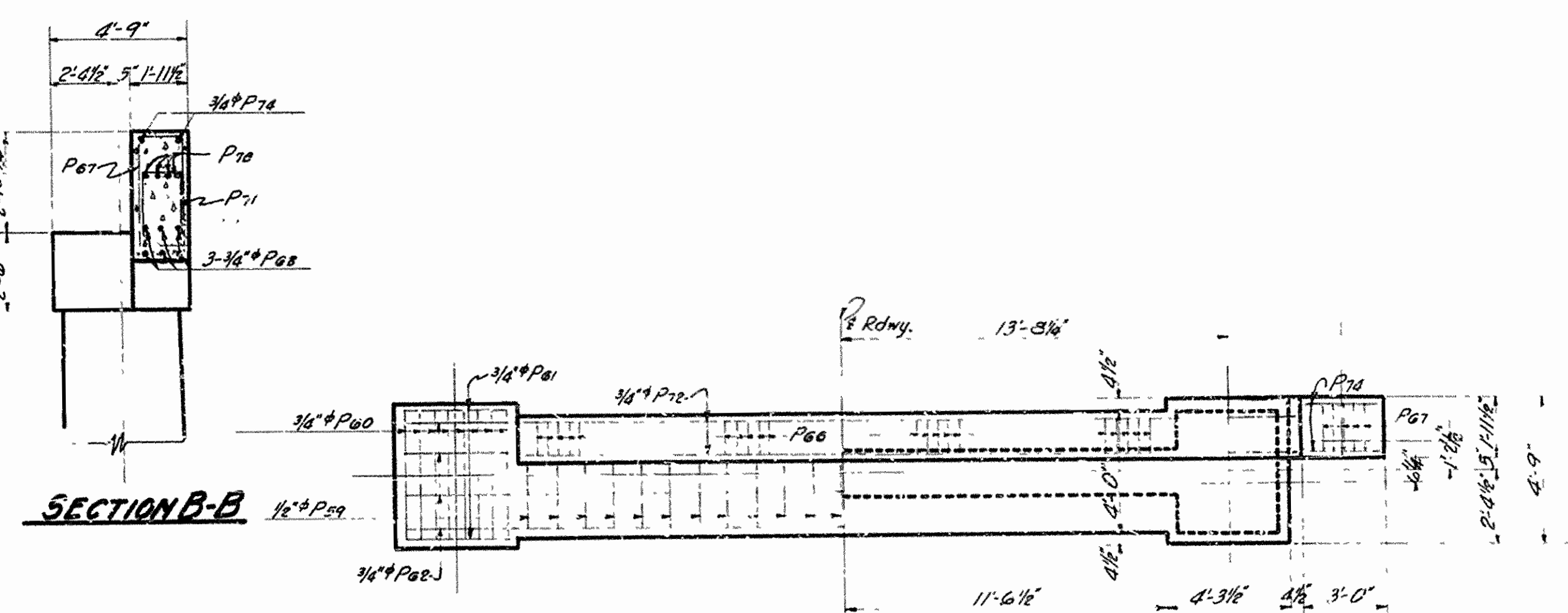
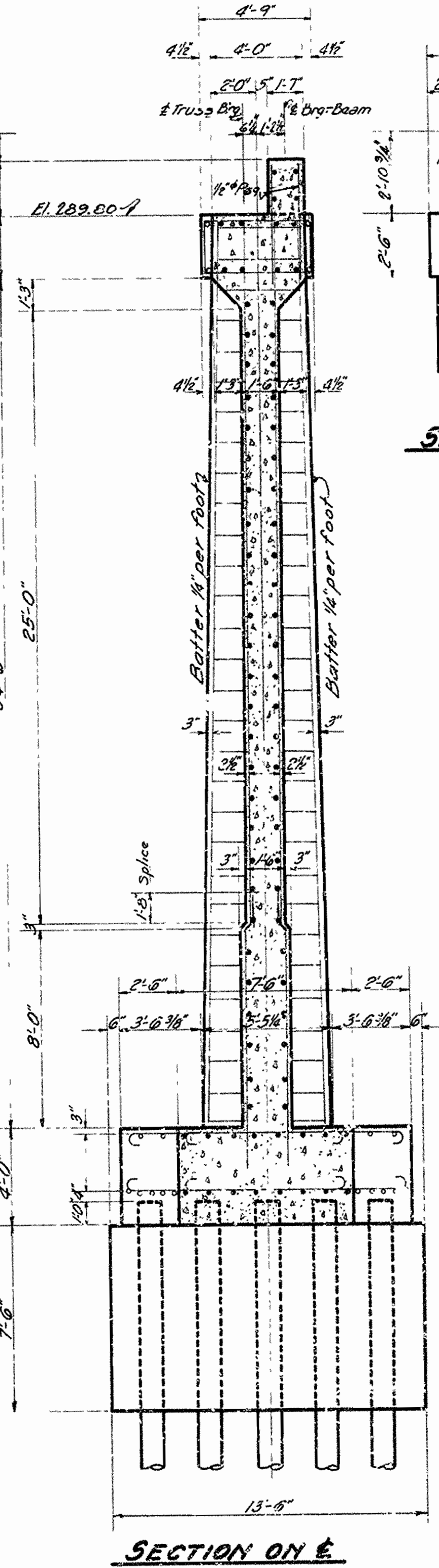
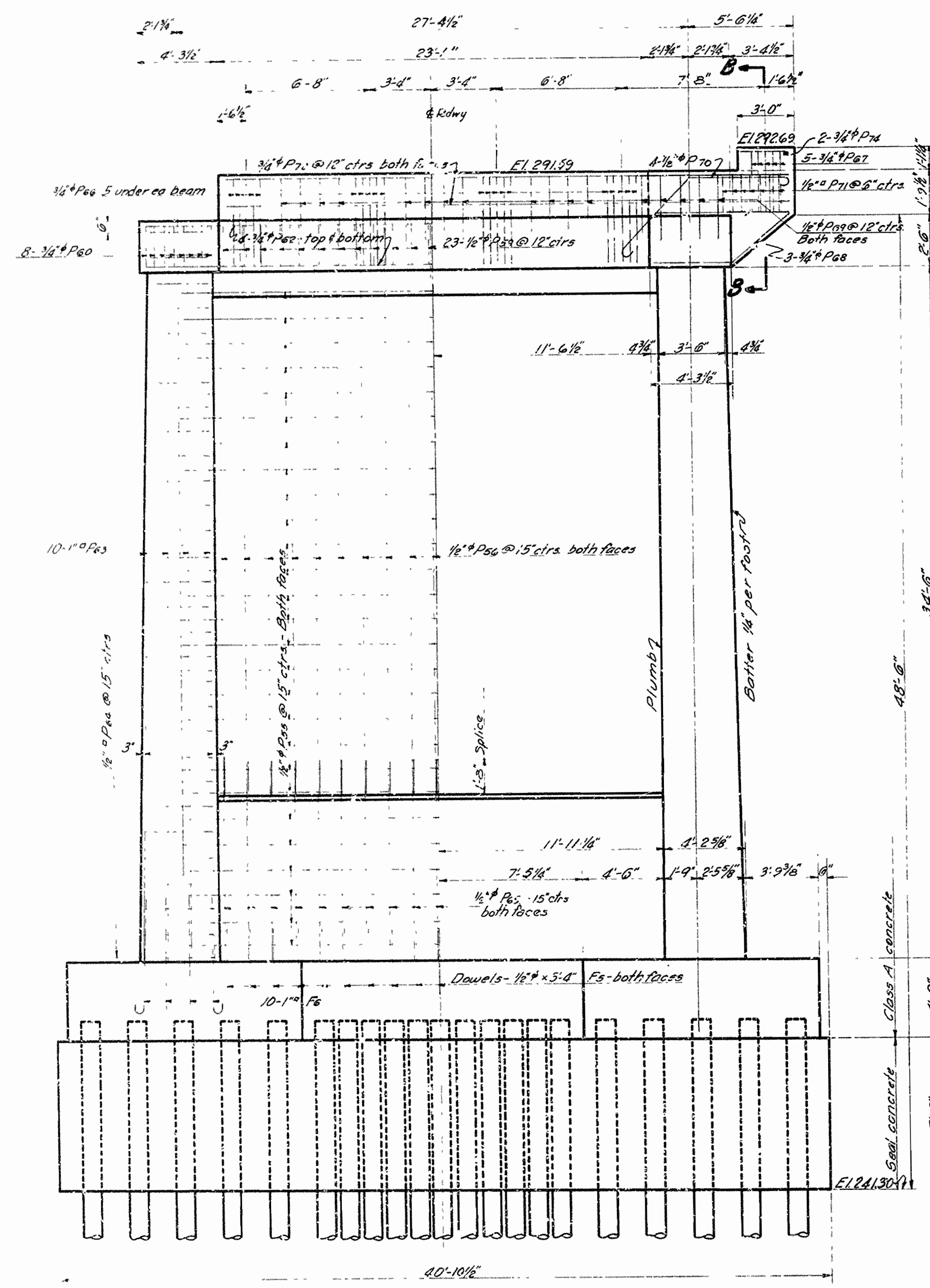
DETAILS OF PIERS 5 & 6
OVERPASS OVER ST. L.-S.F. R.W.Y.
IMBODEN
LAWRENCE & RANDOLPH COUNTIES
 ROUTE 62 SEC. 18A & 18

ARKANSAS STATE HIGHWAY COMMISSION
 LITTLE ROCK, ARK.

Drawn By: M.R. Date: 12-11-35
 Traced By: C.E.E. Date: 1-4-36
 Checked By: H.N.P. Date: 1-28-36
 BRIDGE NO. 1984 DRAWING NO. 4337

N.B. Garner
 BRIDGE ENGINEER

FED. ROAD DIST. NO.	STATE	U.S.W.P.C. PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.	W.P.G.M. 417A W.P.G.H. 417A		52	52
STATE JOB NO. 10-187					44



For Details of Bent Bars See Dwg. 4331
For General Notes See Dwg. 4334

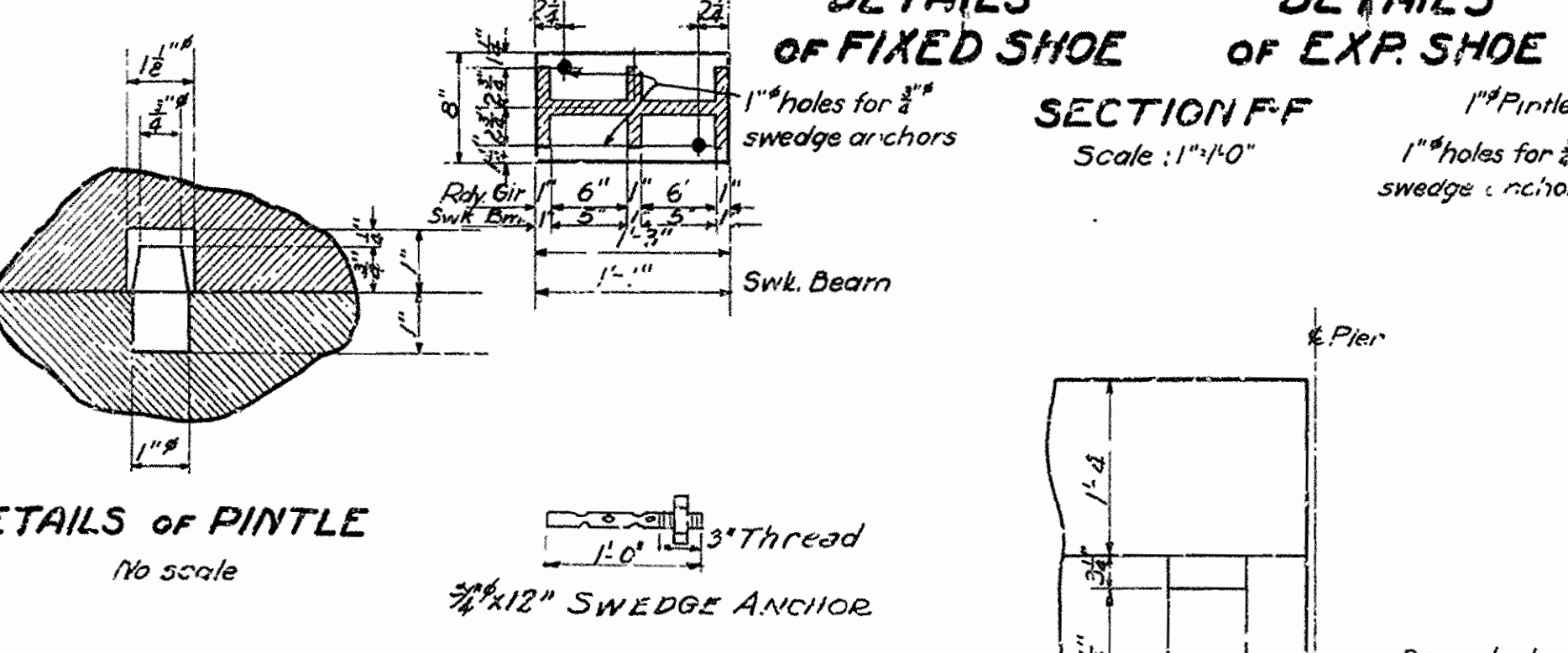
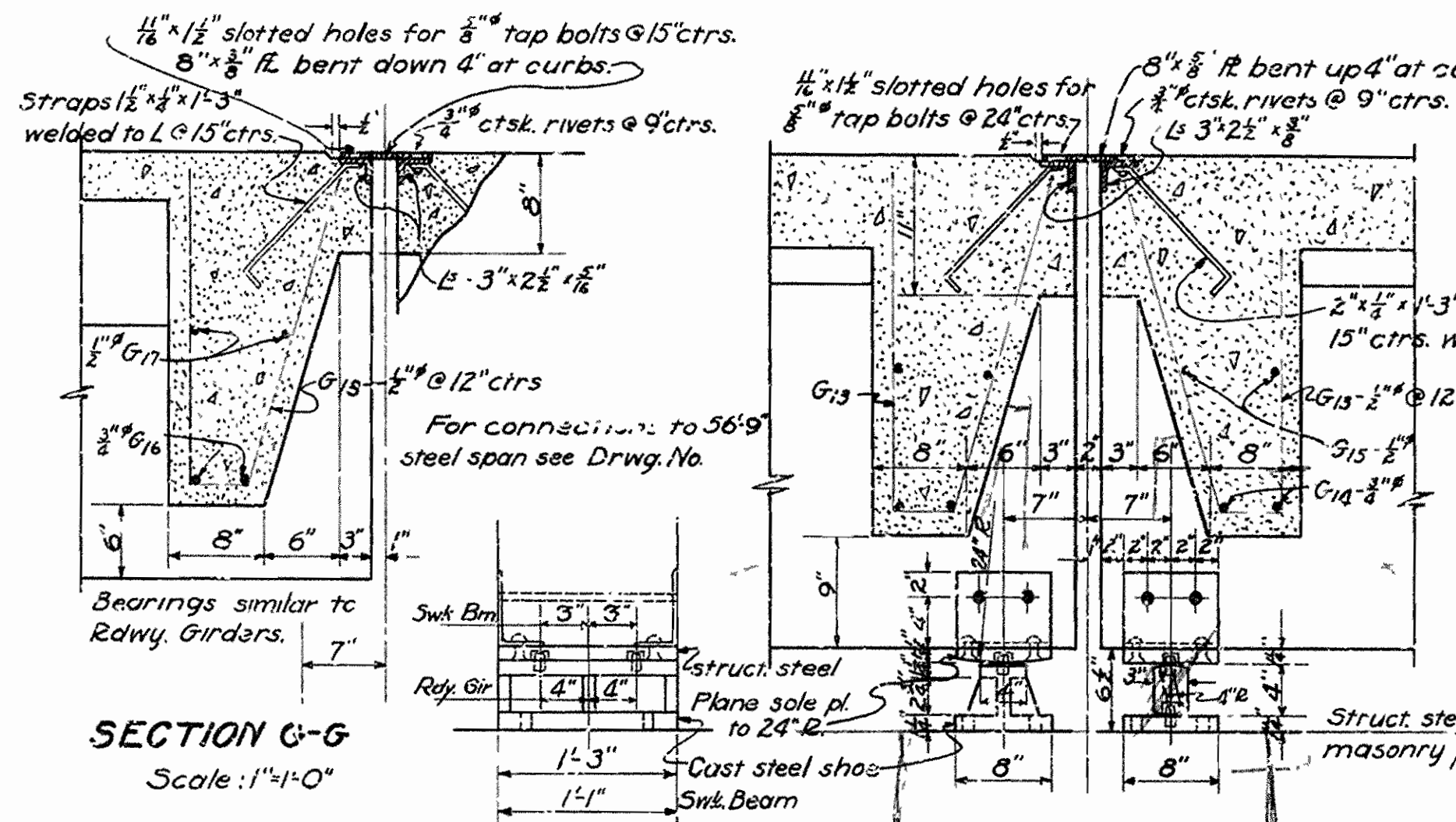
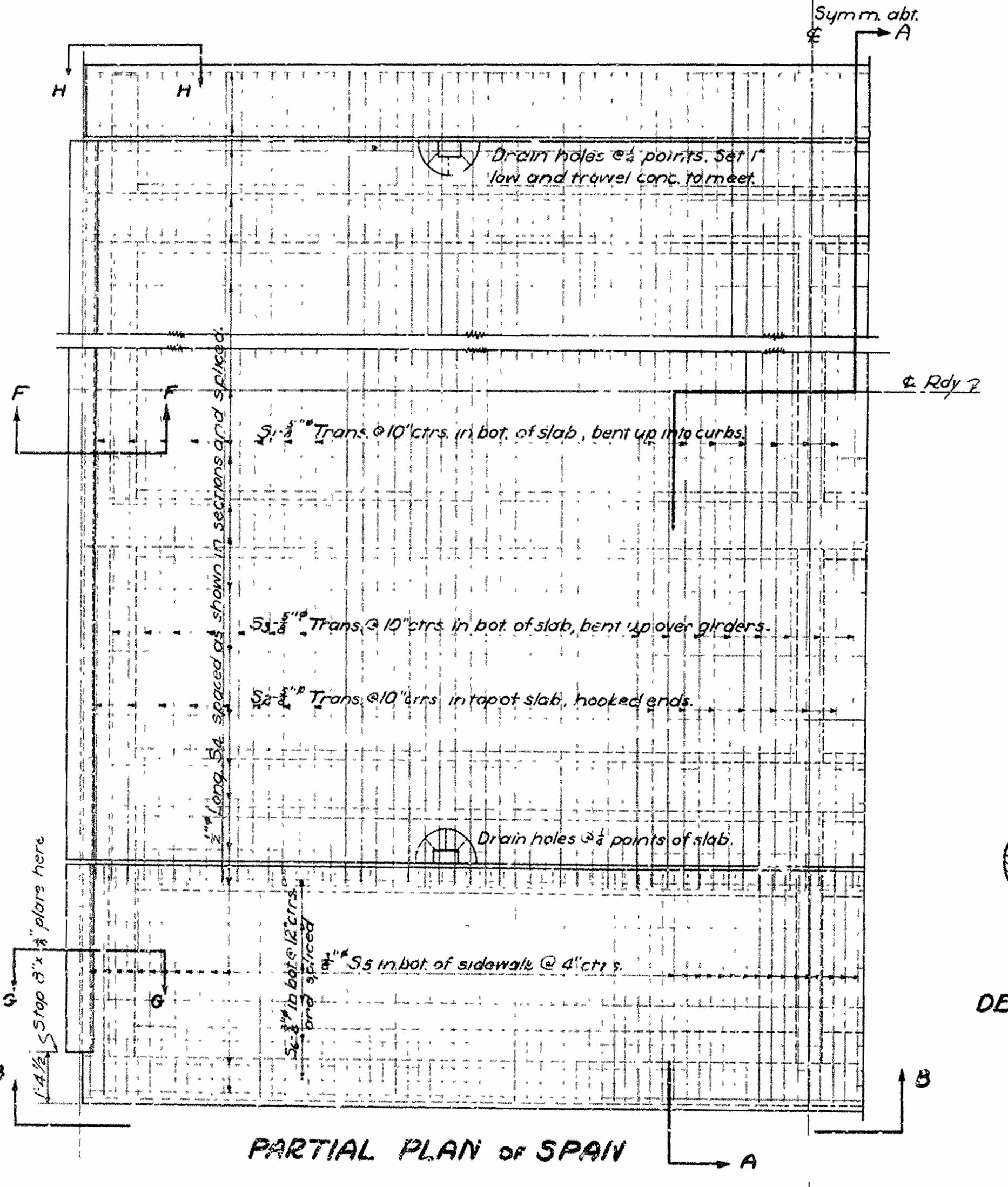
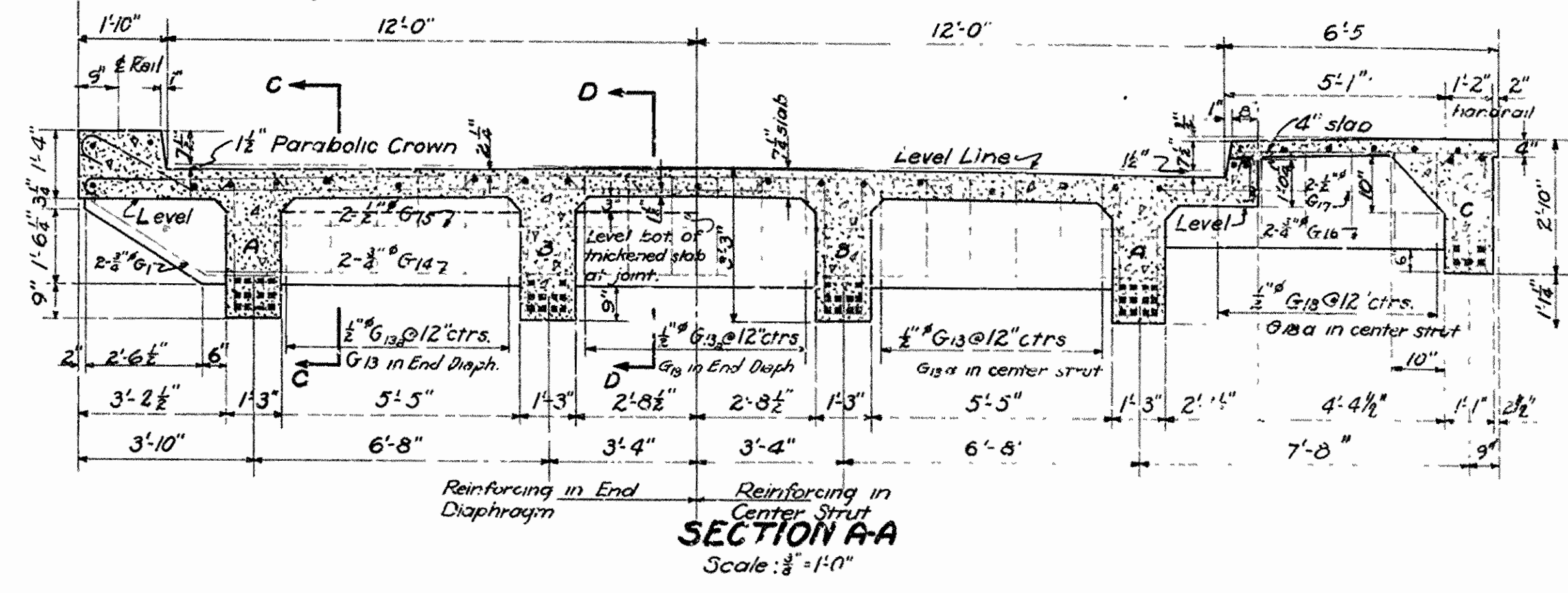
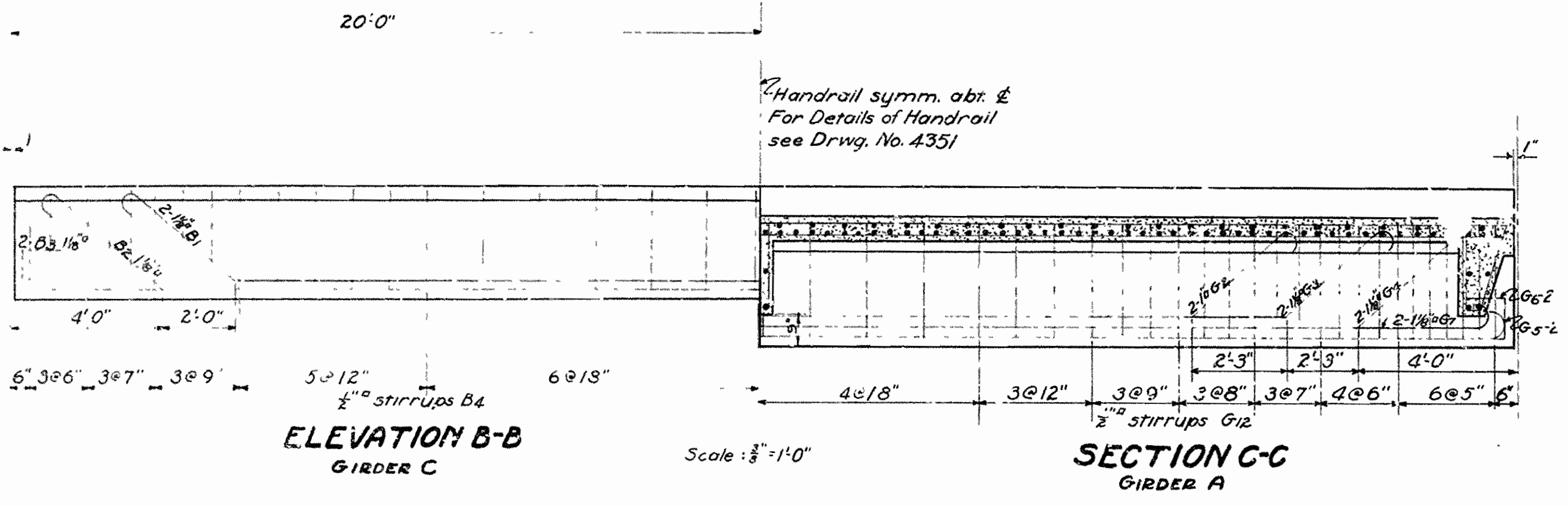
DETAILS OF PIER 7
OVERPASS OVER ST. L.-S.F. R.W.Y.
IMBODEN
LAWRENCE & RANDOLPH COUNTIES
ROUTE 62 SEC. 18A & B
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.
 Drawn By: M.E. Date: 12-13-35
 Traced By: G.E.P. Date: 8-27-35
 Checked By: H.M.D. Date: 1-22-36
 Scale: 1/4 in. = 1 ft.
BRIDGE NO. 1984 DRAWING NO. 4338

H.R. Barrett
 BRIDGE ENGINEER

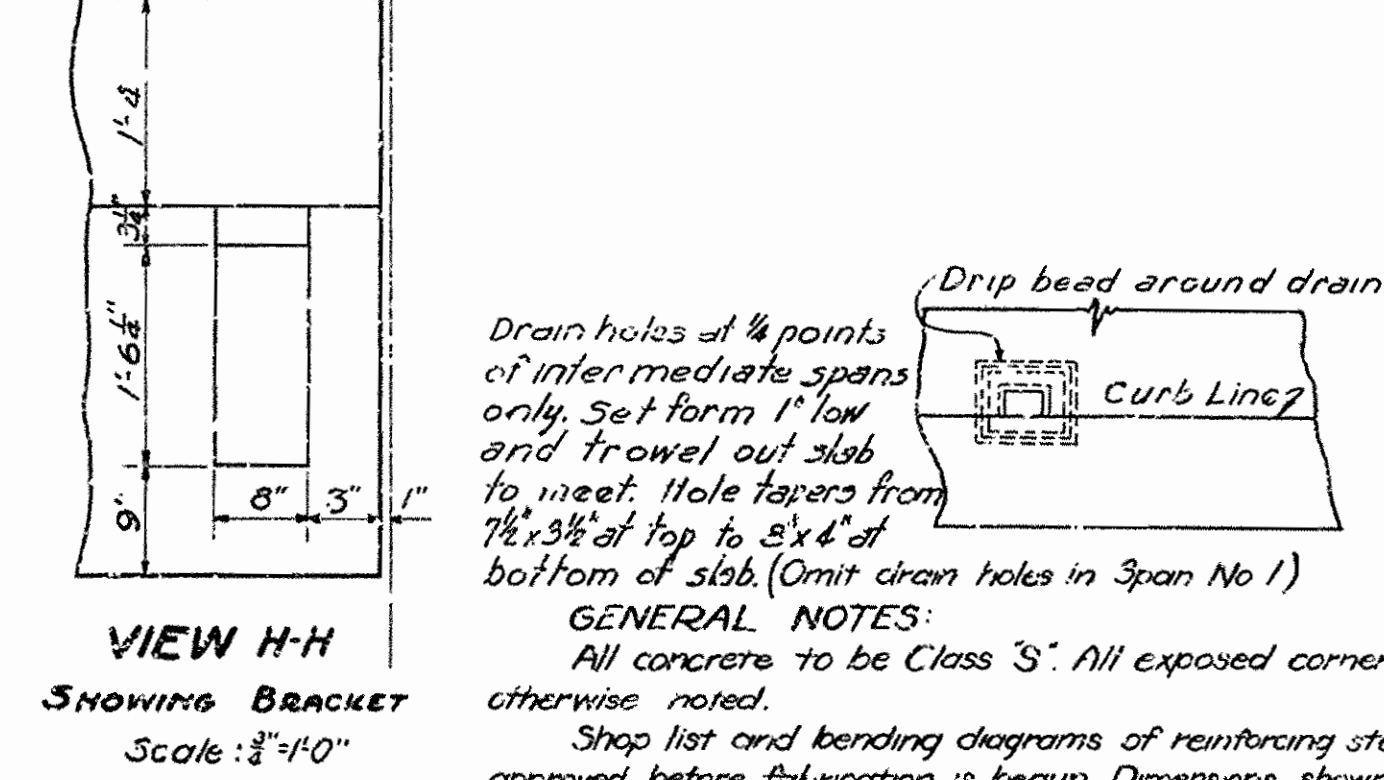
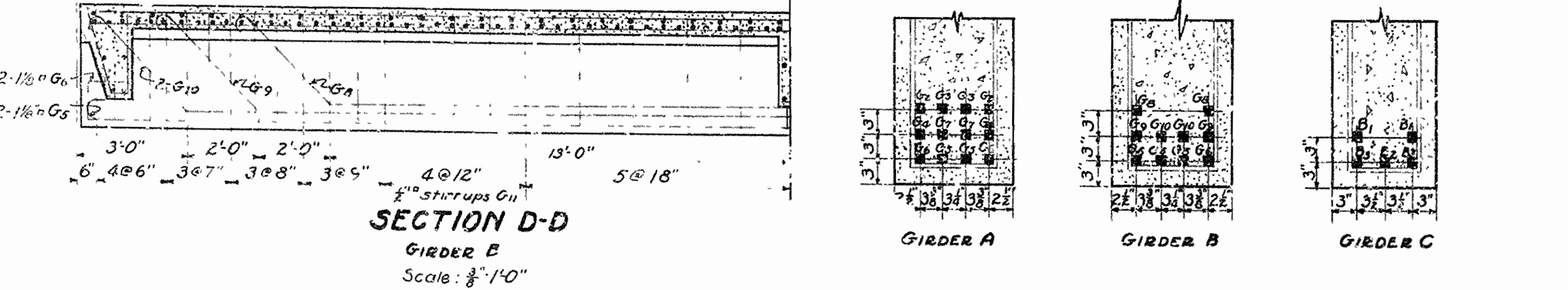
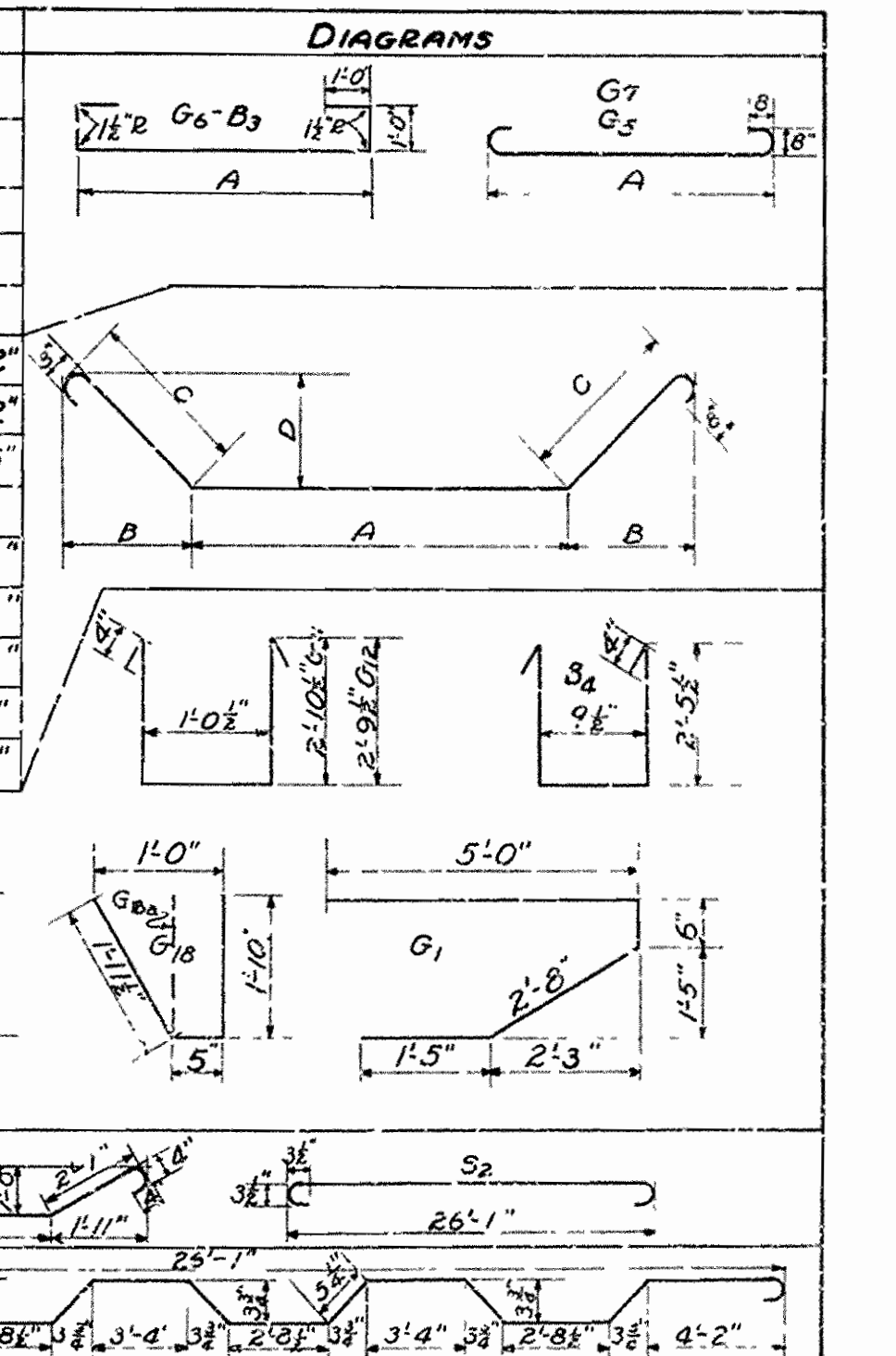
FED. ROAD DIST. NO.	STATE	U.S. W.P.G.C. PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.	W.P.G.M. 417-A W.P.G.H. 417-A		16	52
STATE JOB NO. 10-187				12	24

Slab Reinforcing
 S1- $\frac{3}{8}$ " ϕ 10" ctrs. Trans. in bot, bent up into curbs.
 S2- $\frac{3}{8}$ " ϕ 10" ctrs. Trans. in top, hooked ends.
 S3- $\frac{3}{8}$ " ϕ 10" ctrs. Trans. in bot, bent up over girders.
 S4- $\frac{3}{8}$ " Long, spaced as shown.

Sidewalk steel:
 S5- $\frac{3}{8}$ " ϕ 4" ctrs. Trans. in bot.
 S6- $\frac{3}{8}$ " ϕ 12" ctrs. Long in bot.



BENT BAR LIST				
MARK. SIZE	LOT	A	B	C D
G6	1 $\frac{1}{2}$ "	43-6	39-6	
B3	1 $\frac{1}{2}$ "	43-6	39-6	
G5	1 $\frac{1}{2}$ "	41-0	39-0	
G7	1 $\frac{1}{2}$ "	40-0	38-0	
G2	1"	32-6	23-0	3-9 2-2"
G3	1 $\frac{1}{2}$ "	37-0	27-6	3-9 2-2"
G4	1 $\frac{1}{2}$ "	42-3	32-0	3-6 4-1 2-5"
G8	1 $\frac{1}{2}$ "	34-0	26-0	2-3 3-0 2-2"
G9	1 $\frac{1}{2}$ "	39-0	30-0	2-6 3-4 2-5"
G10	1 $\frac{1}{2}$ "	42-0	34-0	2-6 3-4 2-5"
B1	1 $\frac{1}{2}$ "	37-2	28-0	3-1 $\frac{1}{2}$ 3-7 2-1"
B2	1 $\frac{1}{2}$ "	42-2	32-0	3-6 4-1 2-4"
G11	1 $\frac{1}{2}$ "	7-5		
G12	1 $\frac{1}{2}$ "	7-3		
E4	1 $\frac{1}{2}$ "	6-5		
G13	1 $\frac{1}{2}$ "	4-7		
G18	2"	4-2		
G1	1 $\frac{1}{2}$ "	9-7		
G19	1 $\frac{1}{2}$ "	8-5		
G18a	1 $\frac{1}{2}$ "	8-7		
Slab steel				
S1	$\frac{3}{8}$ "	28-0		
S2	$\frac{3}{8}$ "	27-0		
S3	$\frac{3}{8}$ "	27-9		



Drain holes at $\frac{1}{4}$ points of intermediate spans only. Set form 1" low and trowel out slab to meet. Hole tapers from $1\frac{1}{2}$ " ϕ at top to 5" at bottom of slab. (Omit drain holes in Span No 1)

GENERAL NOTES:
 All concrete to be Class 'S'. All exposed corners to have $\frac{3}{8}$ " chamfer unless otherwise noted.

The drawings show general features of design only. Shop drawings shall be made in compliance with specifications and be approved before fabrication is begun.

Specifications: Arkansas Standard Road and Bridge Specifications adopted May 30, 1925 and revised.

Live Load: H 15 Truck Loading

Unit Stresses: Reinforcing Steel 16,000 ψ /in²; Structural Steel 16,000 ψ /in²; Class 'S' concrete 750 ψ /in²; $n = 15$

DETAILS OF 40'-0" R.C.D.G. SPAN OVERPASS OVER ST. L.-S. FRY, IMBODEN, ARK.

LAWRENCE - RANDOLPH COUNTIES
 ROUTE 62 SEC. 18A & 18
 ARKANSAS STATE HIGHWAY COMMISSION
 LITTLE ROCK, ARK.

Drawn By: M.R. Date: 1-23-35
 Traced By: G.M.B. Date: 1-2-36
 Checked By: E.A.W. Date: 1-22-36

Scale: $\frac{3}{8}$ " = 1'0"
 or as noted

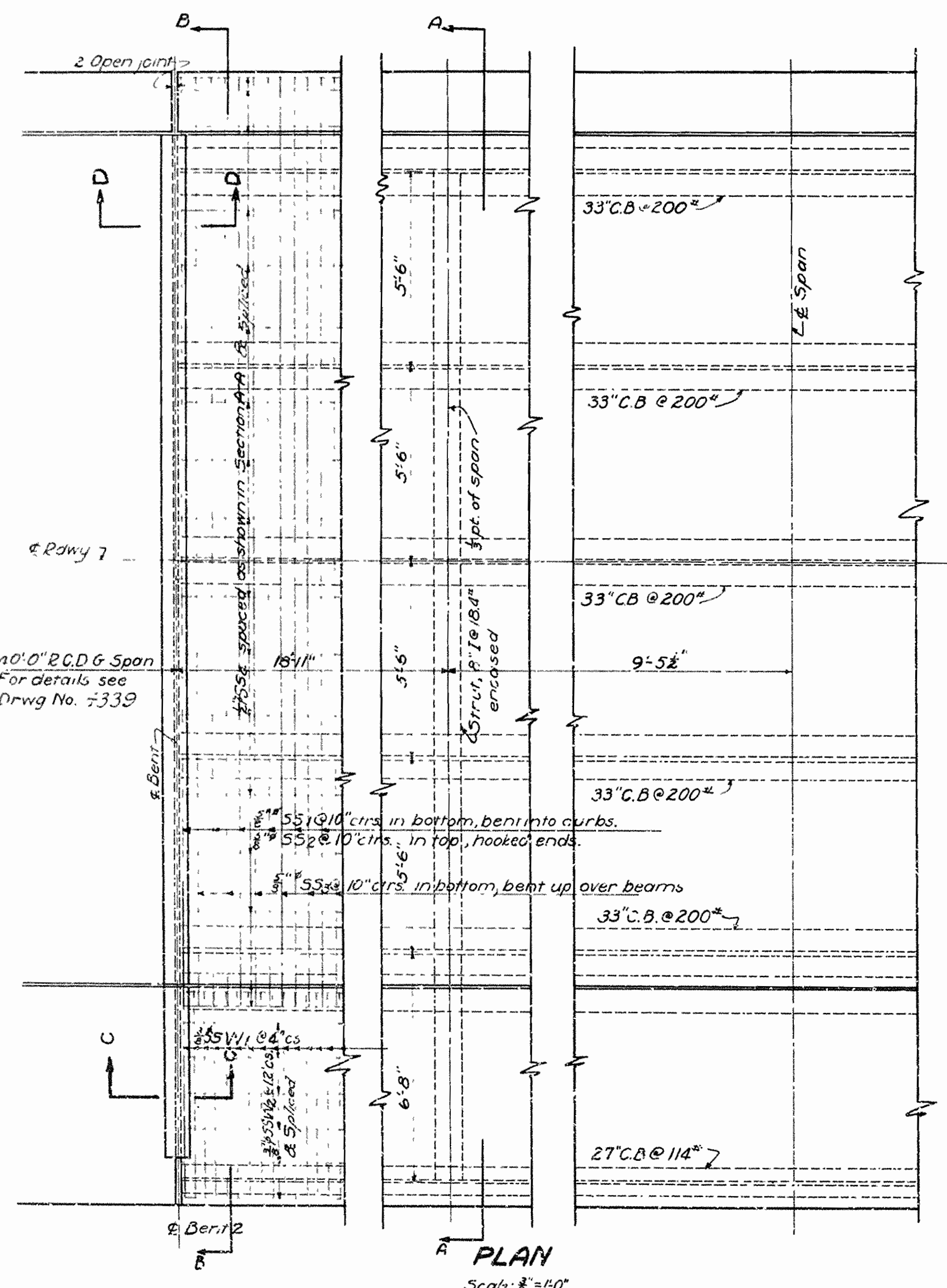
BRIDGE NO. 1984 DRAWING NO. 4339

N.B. BARRETT
 BRIDGE ENGINEER

FED. ROAD DIST. NO.	STATE	U.S.W.P.G.C. PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.	WPEM 417-A WRGH 417-A		17	42
STATE JOB NO. 10-187				15	42

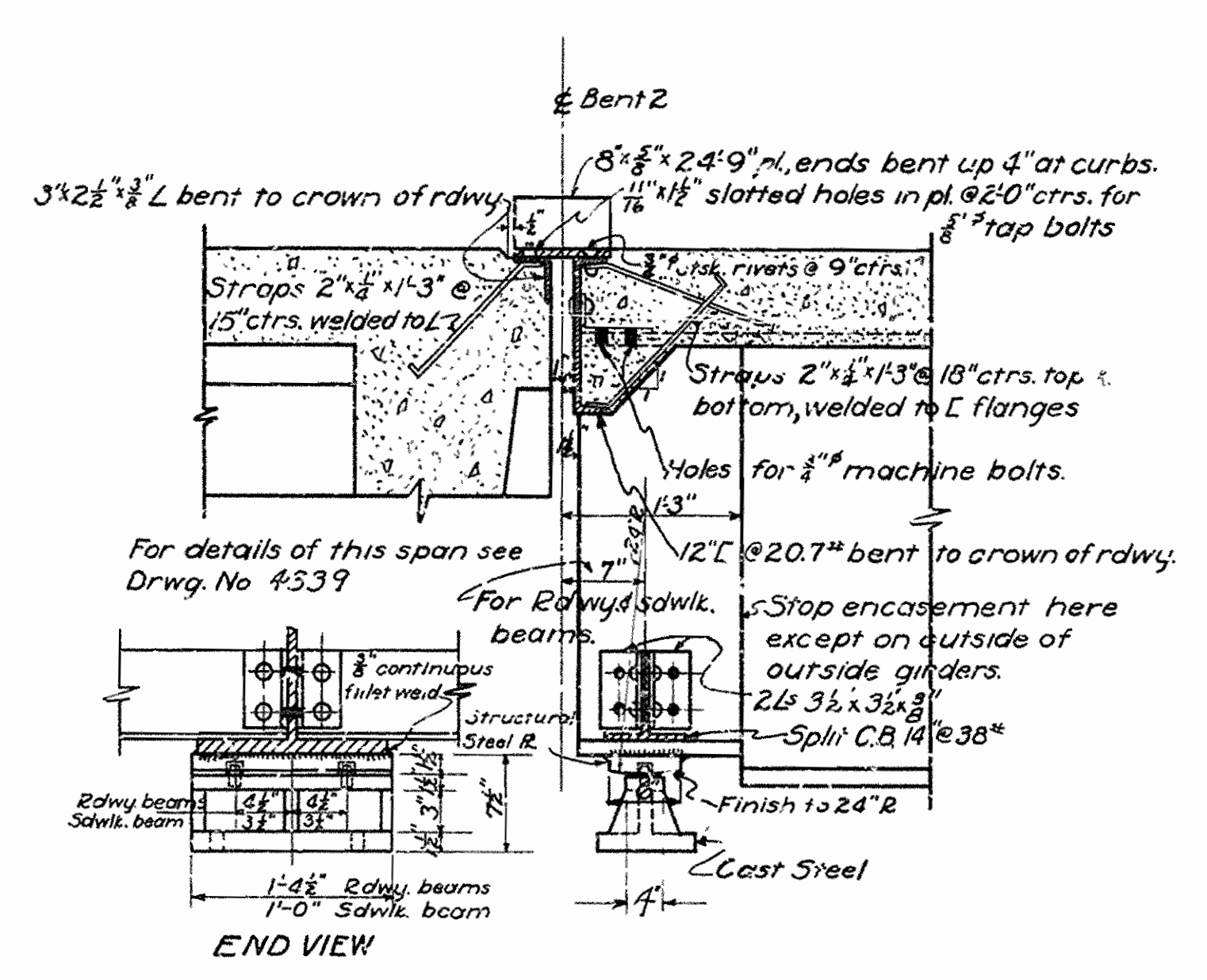
BENT BAR LIST

Mark	SIZE	LENGTH	A	B	DIAGRAM
SS1	5/8" #	27'-8"	24'-2"		
SS2	5/8" #	26'-10"	26'-1"	3"	
SS3	5/8" #	27'-0"			

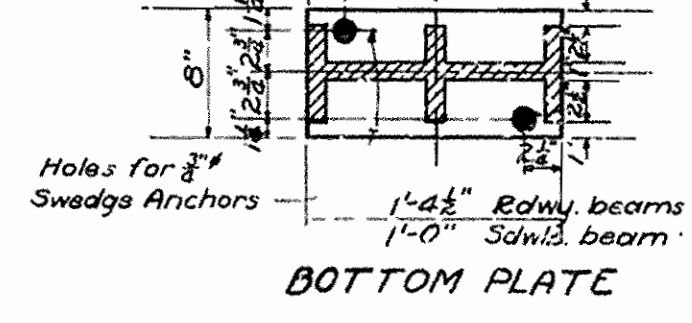


PLAN Scale: 3/8"=1'-0"

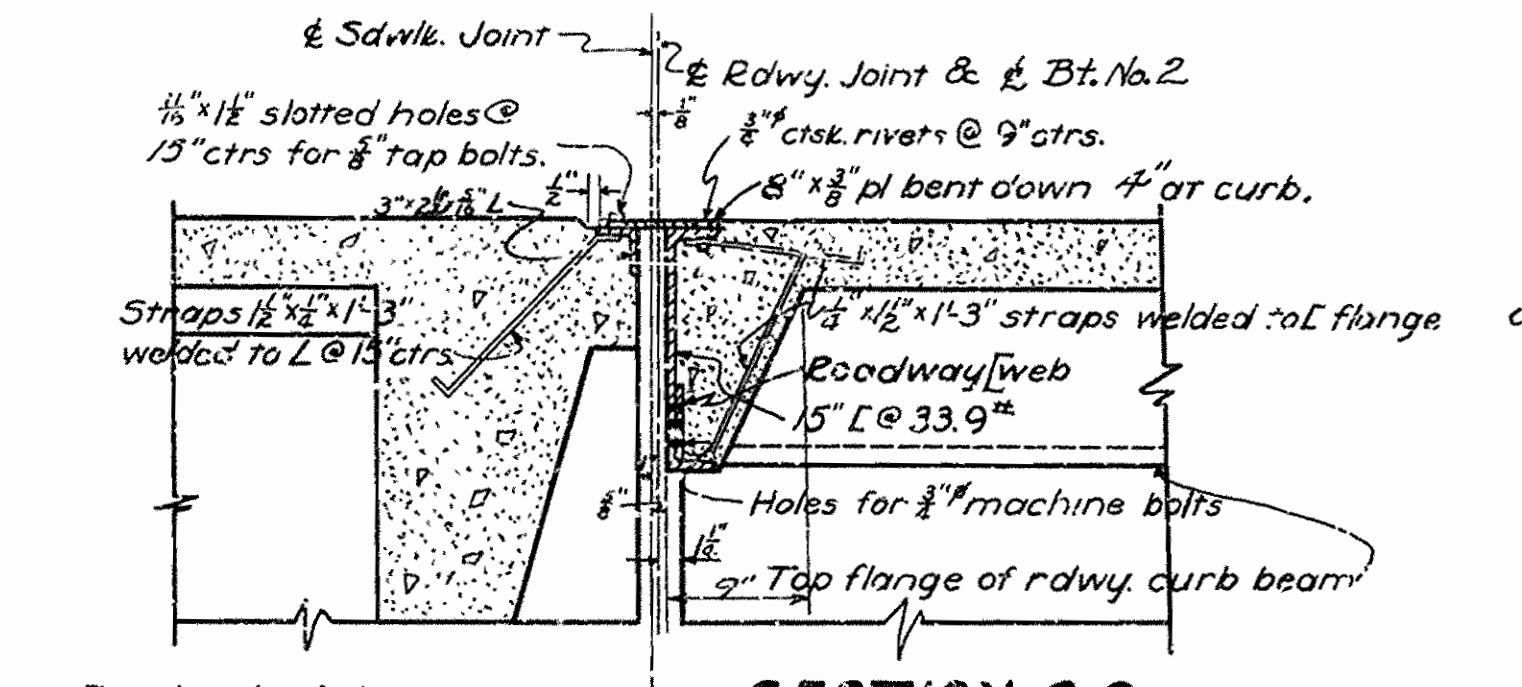
For details of end of span at Pier No. 1 See Drwg. No. 4341



SECTION D-D SHOWING ROADWAY EXPANSION DEVICE AT BENT NO. 2 Scale: 1"=1'-0"



BOTTOM PLATE



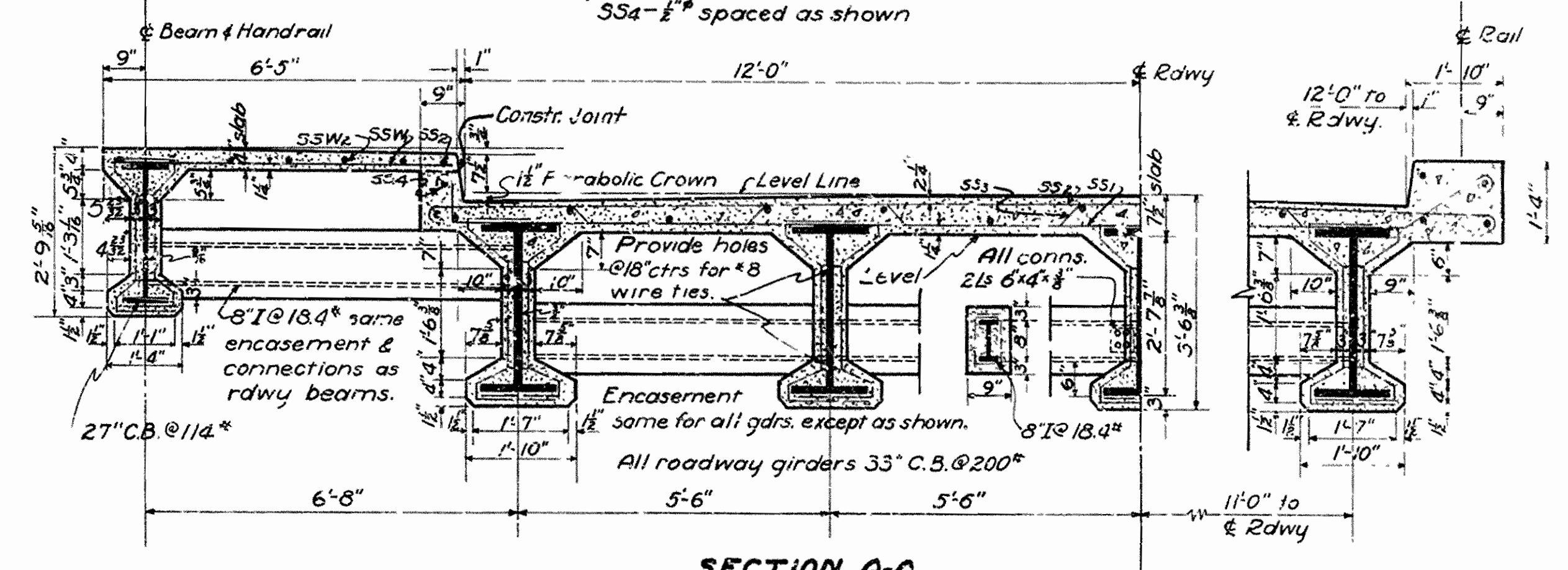
SECTION C-C SHOWING SIDEWALK EXPANSION DEVICE AT BENT NO. 2 Scale: 1"=1'-0"

GENERAL NOTES

All concrete to be Class "S". All exposed corners to have 3" chamfer unless otherwise noted. Shop list and bending diagrams of reinforcing steel must be submitted and approved before fabrication is begun. Dimensions shown for reinforcing steel are ctrs. of bars. Reinforcing to be obtained from structural or intermediate grade. Rivets 3/4". Open holes 3/16". Use 3/8" bolts for field connections. Shop Paint - All structural steel and cast steel to be given one coat of red lead and raw linseed oil before shipment except surfaces in contact with concrete. Field Paint - 2 coats white lead tinted with lamp black. This drawing shows general features of design only. Shop Drawings shall be made in compliance with specifications and be approved before fabrication is begun. Specifications: "ARKANSAS STANDARD ROAD AND BRIDGE SPECIFICATIONS" adopted MAY 30, 1925 and revised. Weight of Structural Steel & Cast Steel in shoes & Roadway Expansion Devices consisting of 12" E & B, 6" x 4" x 1/2" angle connections, struts, 1/2" strap anchors & 8" cover plate, is not included in weight of "pay item" "Structural Steel in Beam Spans". Shoes & Roadway Expansion Devices are to be paid for at unit price bid for "METAL BEAMS & ROADWAY EXPANSION DEVICES".

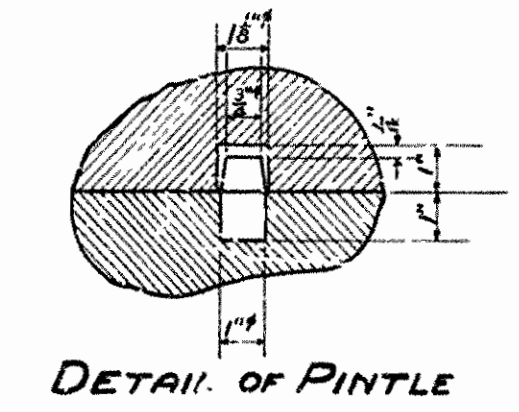
Sidewalk Steel,
Transverse: 5/8" # @ 4' ctrs. SS1, W1
Longitudinal: 5/8" # @ 12' ctrs. SS1, W2

Transverse Slab Steel:
SS1 - 5/8" # @ 10' ctrs. in bottom of slab, bent into curbs
SS2 - 5/8" # @ 10' ctrs. in top of slab, hooked ends.
SS3 - 5/8" # @ 10' ctrs. in bottom of slab, bent up over beams.
Longitudinal Slab Steel
SS4 - 5/8" # spaced as shown

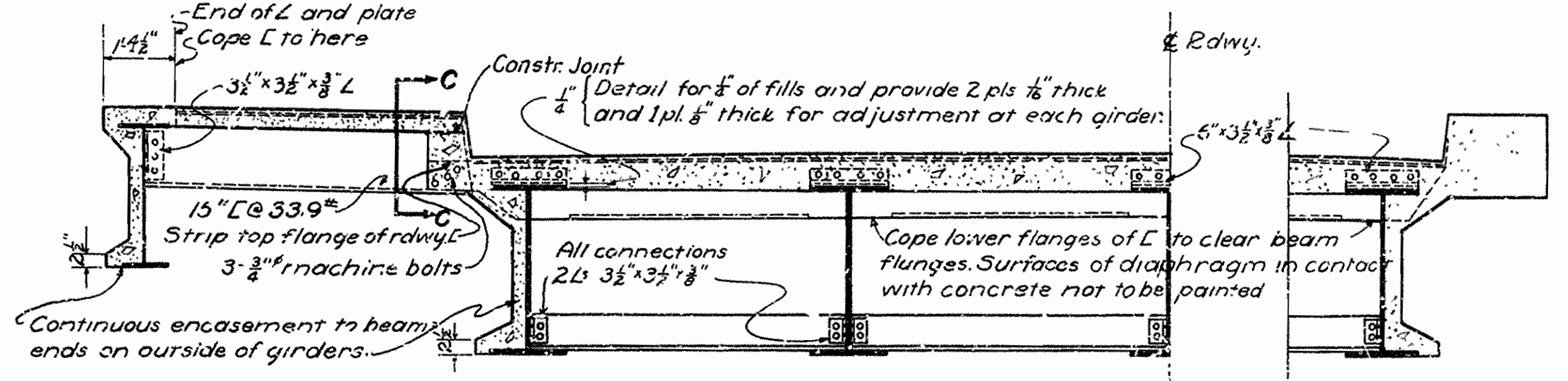


SECTION A-A Scale: 1/2"=1'-0"

Welded #8 wire mesh @ 4" ctrs. each way, to be placed around all beams and struts 1/8" from concrete surface except at tops of beams where mesh shall rest on top flange. Contractor shall furnish bending diagrams and shop list of mesh required.

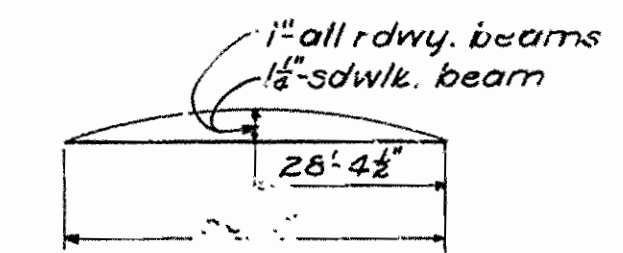


DETAIL OF PINTLE



SECTION B-B Scale: 1/2"=1'-0"

slab reinforcing not shown



CAMBER DIAGRAM

DETAILS OF
56'-9" ENCASED I-BEAM SPAN
OVERPASS OVER STL-S.F.R.Y.

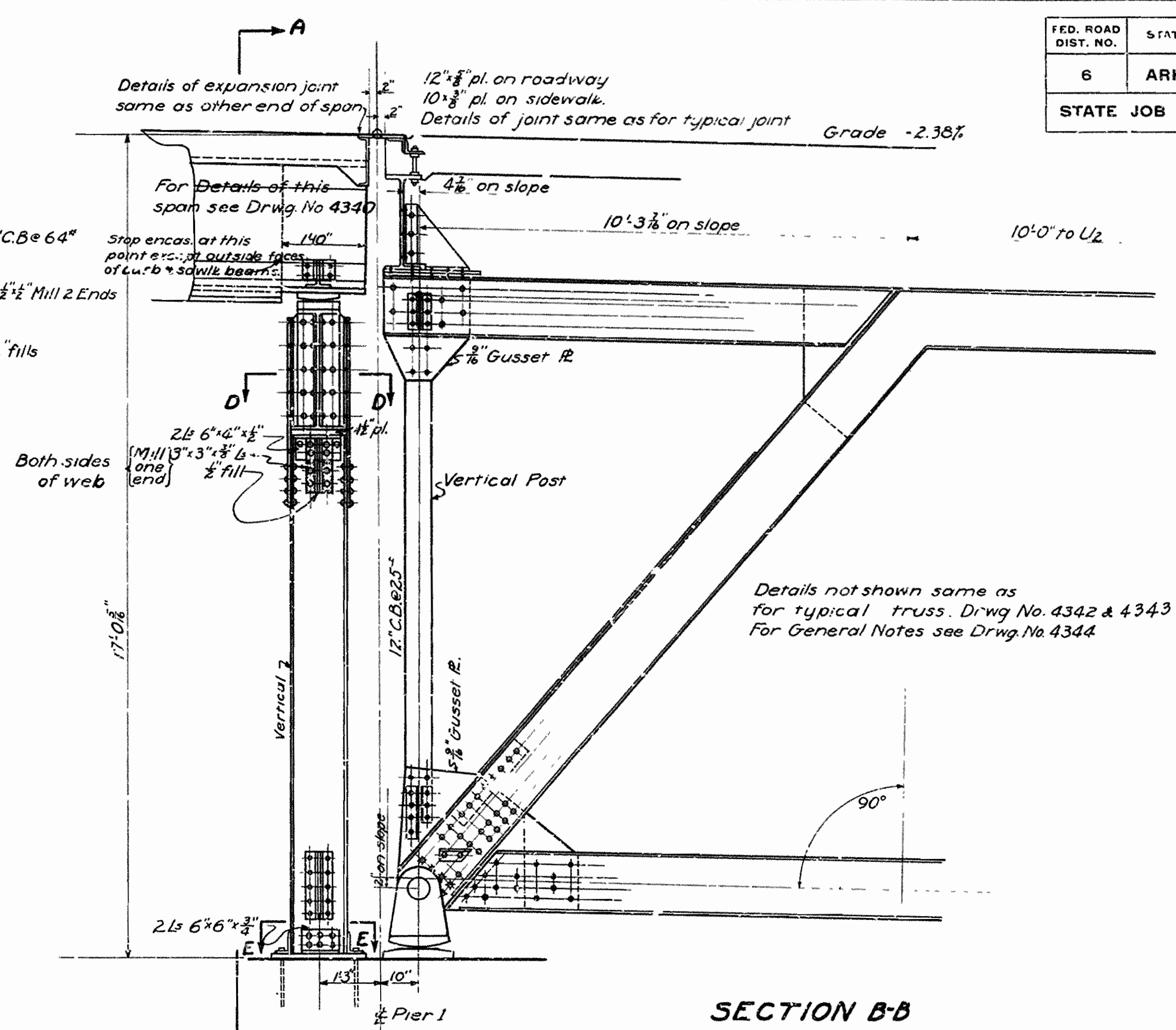
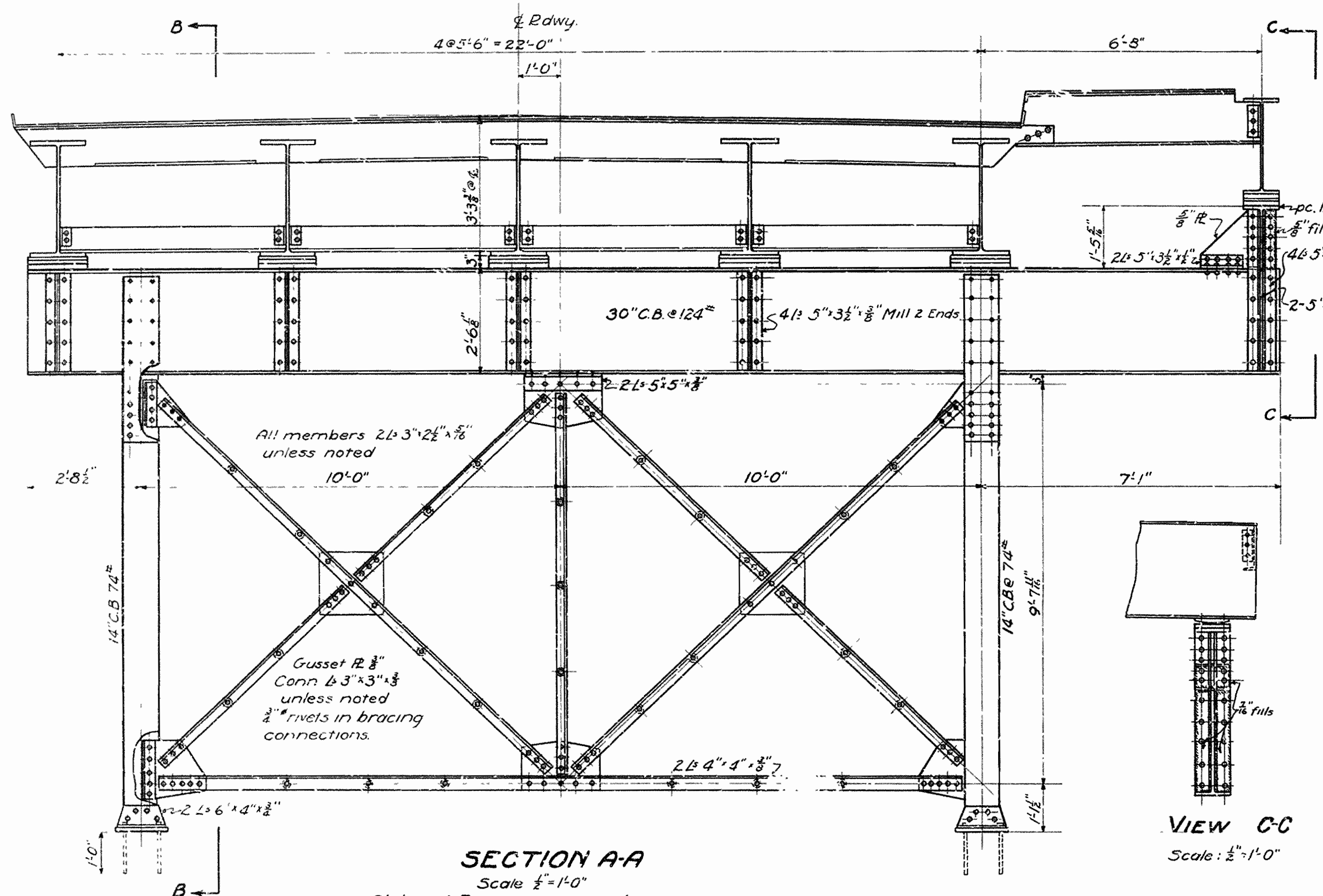
IMBODEN ARKANSAS
LAWRENCE - RANDOLPH COUNTIES
ROUTE 87 SEC 18A & 18

ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

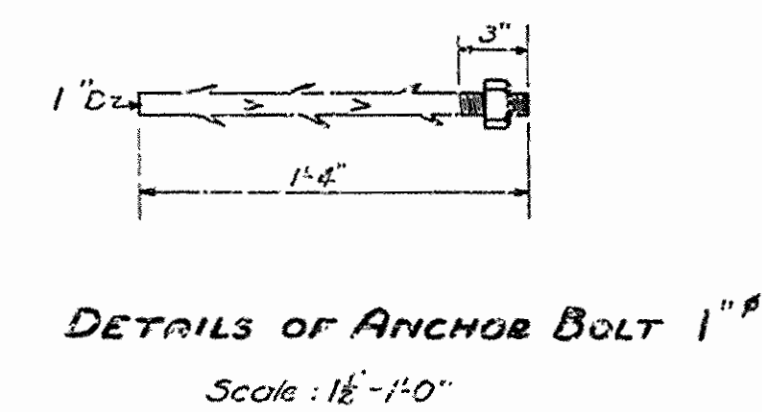
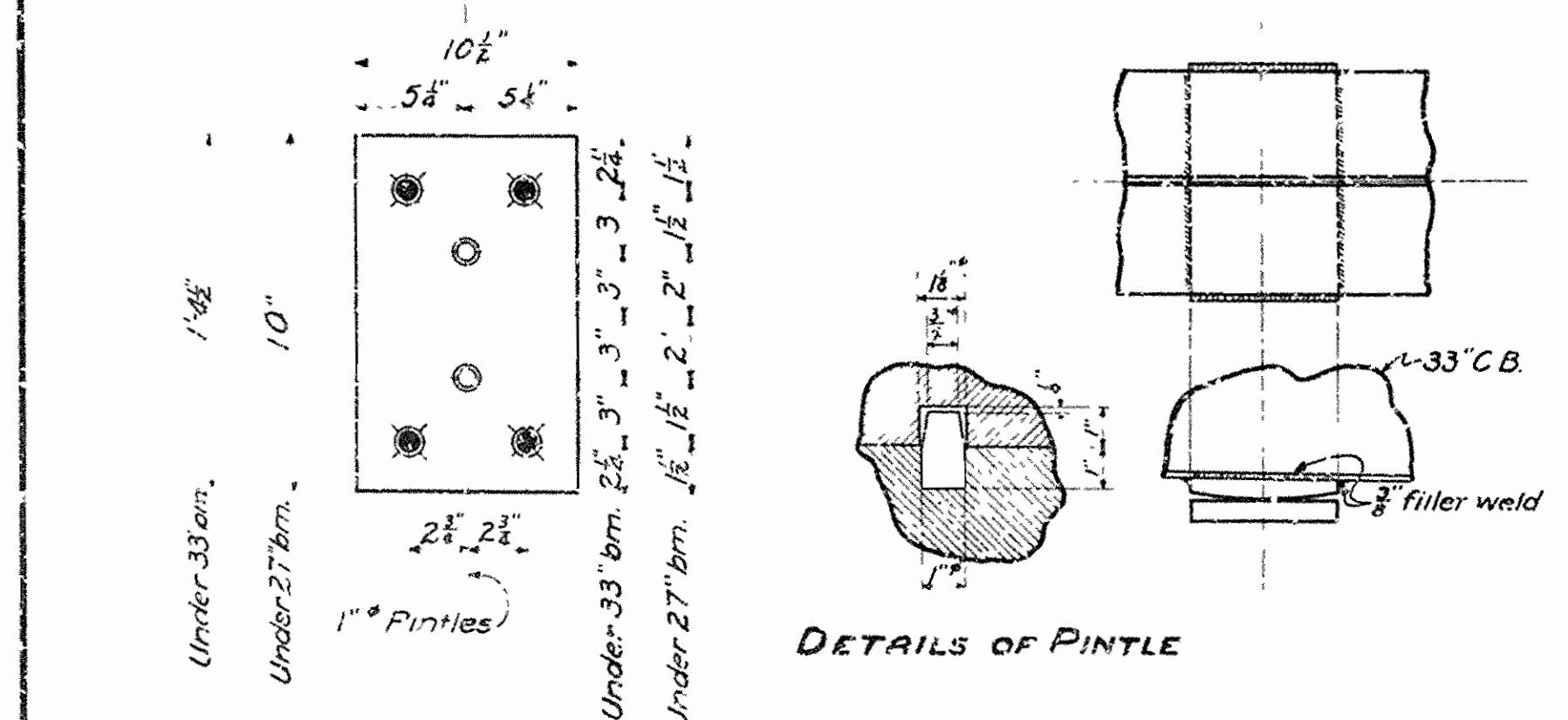
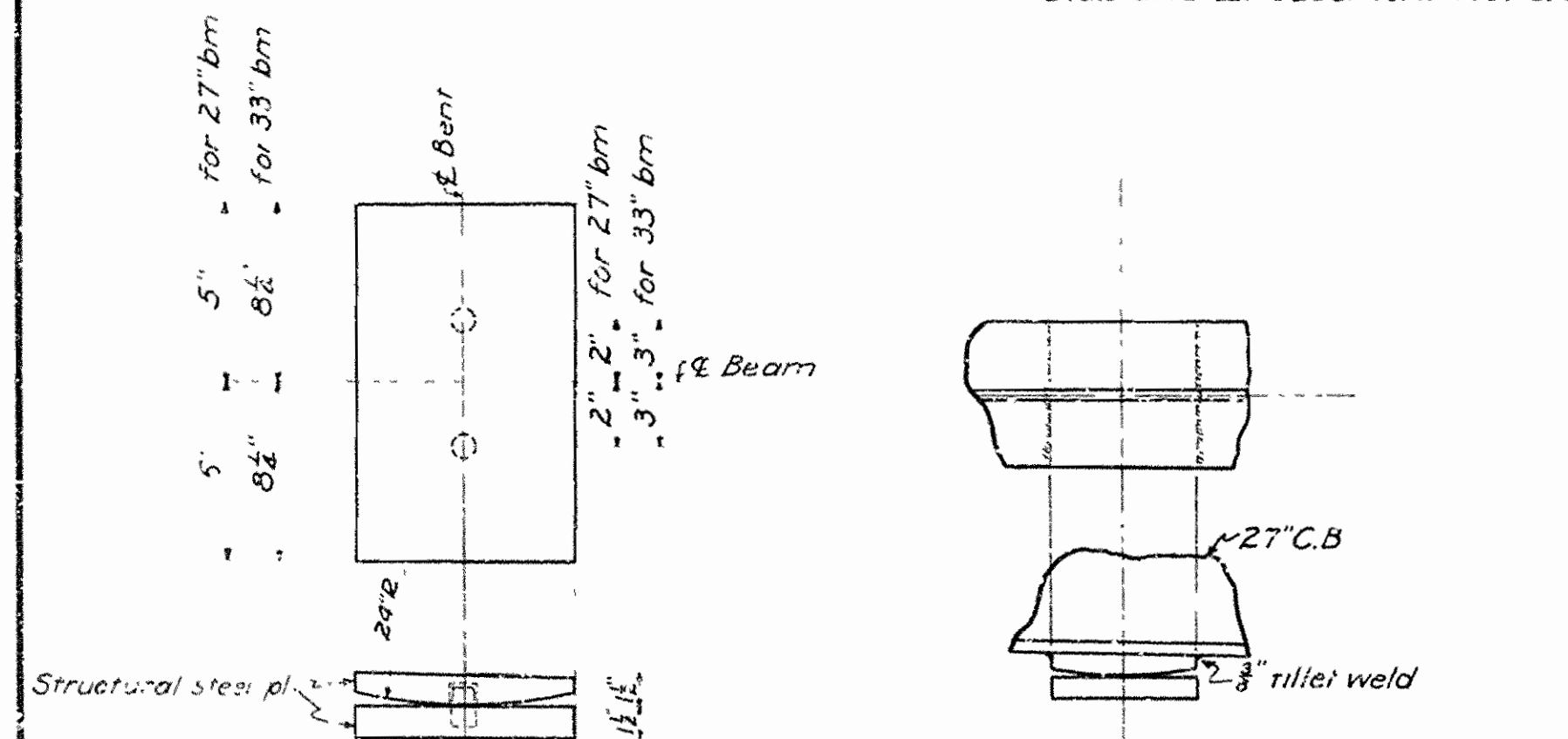
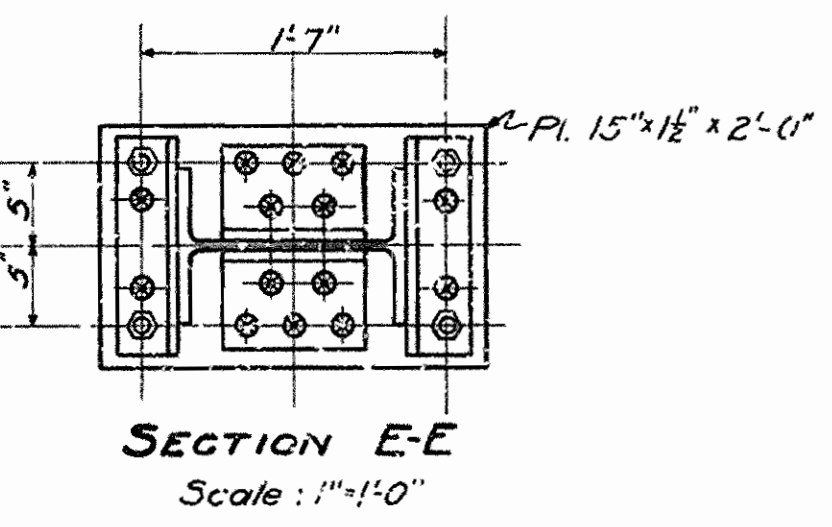
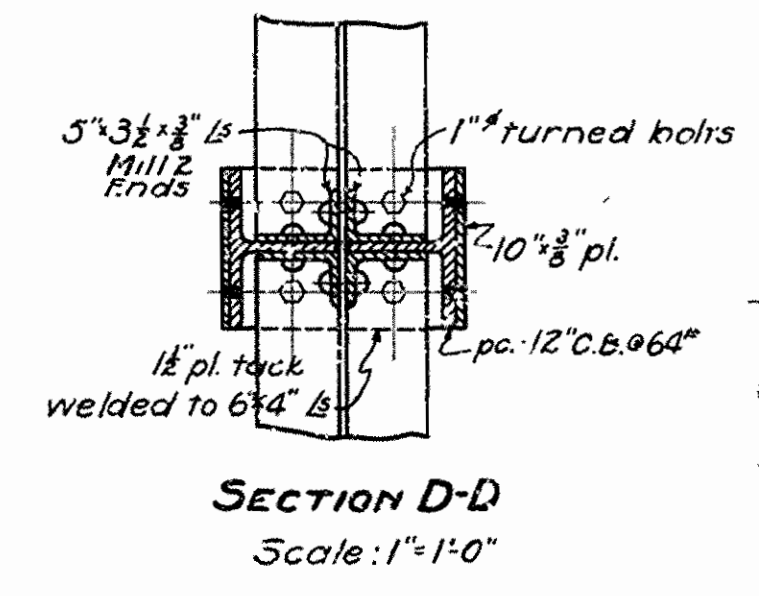
Drawn By: B.V. Date: 12-3-35
Traced By: G.W.B. Date: 1-13-36
Checked By: E.A.W. Date: 1-22-36
BRIDGE NO. 1984 DRAWING NO. 4340

N.R. Barner
BRIDGE ENGINEER

FED. ROAD DIST. NO.	STATE	U.S.W.P.G.C. PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.	WPGM 417A WPGH 417A		2	40
STATE JOB NO. 10-187					22



VIEW C-C
Scale: $\frac{1}{2}''=1'-0''$



DETAILS OF BRG. PLATES ON BENT
Scale: $\frac{1}{2}''=1'-0''$

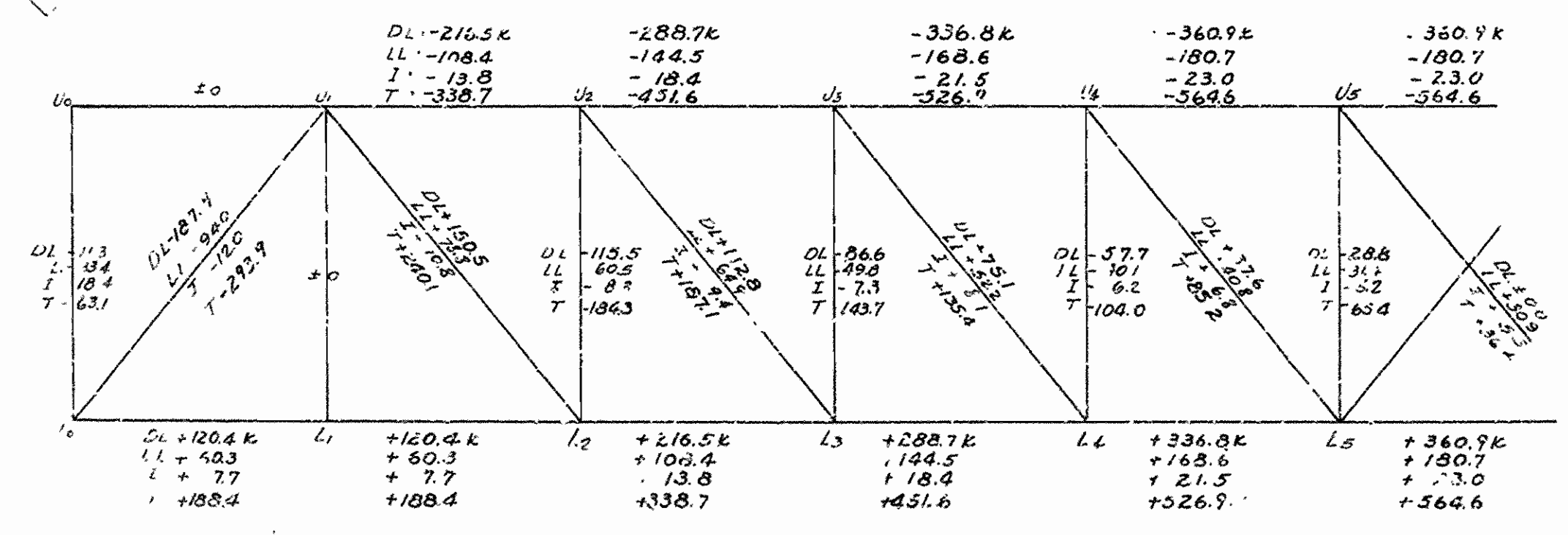
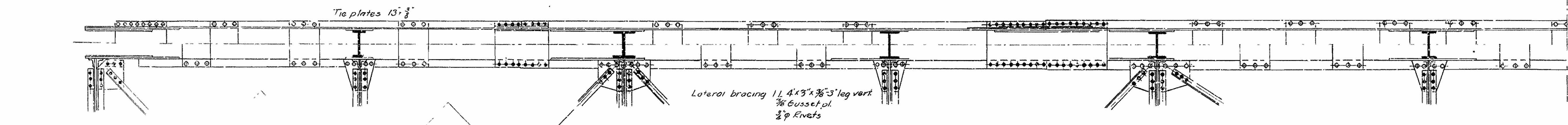
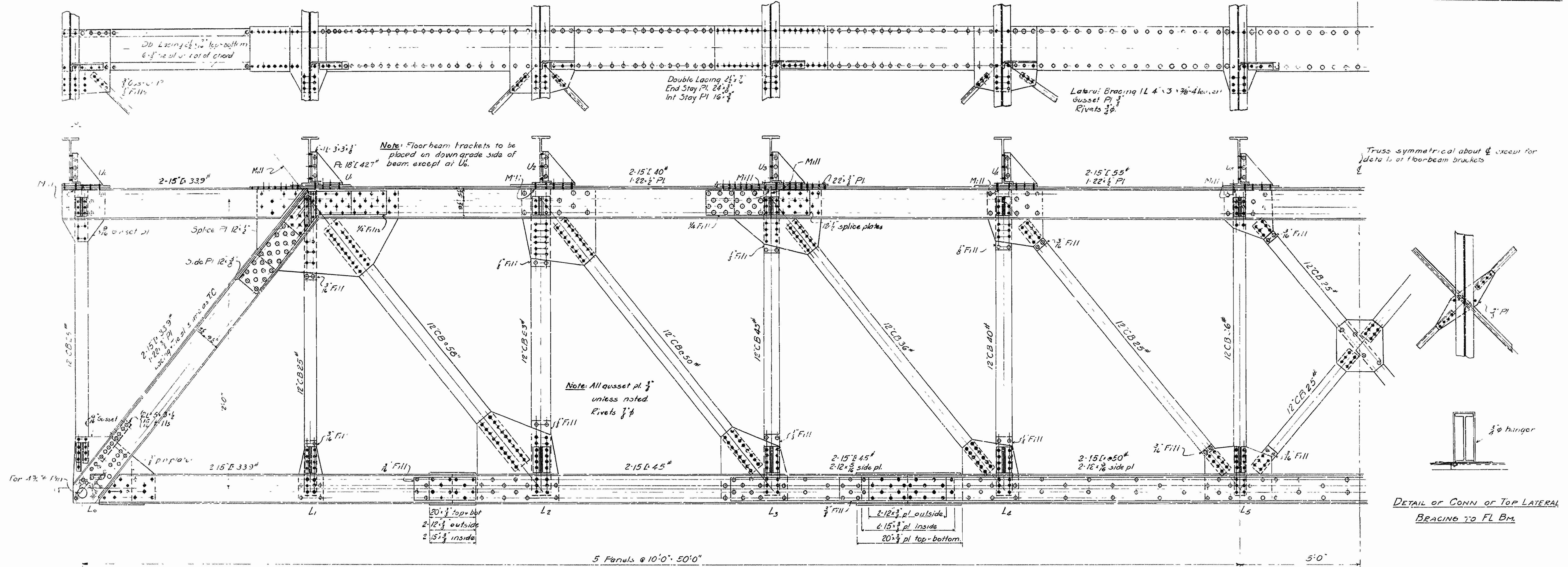
Note: Bearing plates and anchor bolts to be paid for at unit price bid for Metal Bearing & Roadway Expansion Devices. All other metal in steel bent supporting I beam span to be paid for at unit price bid for structural steel in beam spans.

DETAILS OF STEEL SUPPORTS & CONNECTIONS ON PIER NO. 1 OVERPASS OVER ST. L-S.F. RY. INBOGEN, ARKANSAS LAWRENCE - RANDOLPH COUNTIES ROUTE 62 SEC. 18A & 1B

ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.
Drawn By: HND Date: 1-7-36
Traced By: C.W.B. Date: 1-7-36
Checked By: M.W.K. Date: 2-3-36
BRIDGE NO. 1984 DRAWING NO. 4341

N.R. Barber
BRIDGE ENGINEER

FED. ROAD DIST. NO.	STATE	US W.P.G.C. PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.	WPGM 417-A WPGH 417-A		52	52
STATE JOB NO.		10-187			



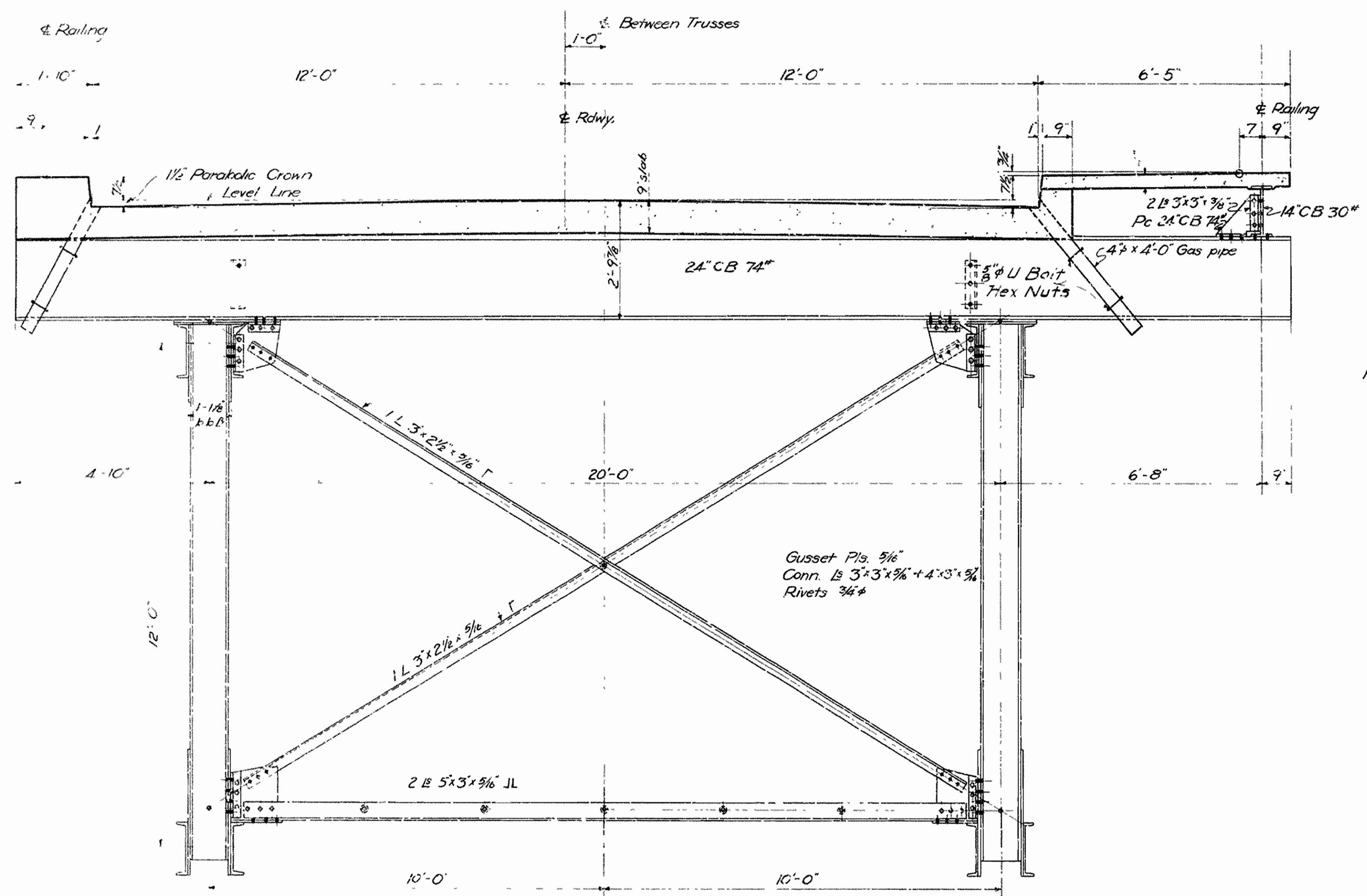
Revised 3-13-36 - Stress Diagram: U₁-L₁; U₃-L₃; L₀-U₄

FLOORBEAM DATA
 D.L.M. +38,500 ft lbs -26,400 ft lbs
 L.L.M. +132,700 -18,000 -
 T +39,800 -5,400 -
 Total +211,000 -49,800 -
 S.M. reqd 158.3 in²
 S.M. 24CB74 170.4 in²

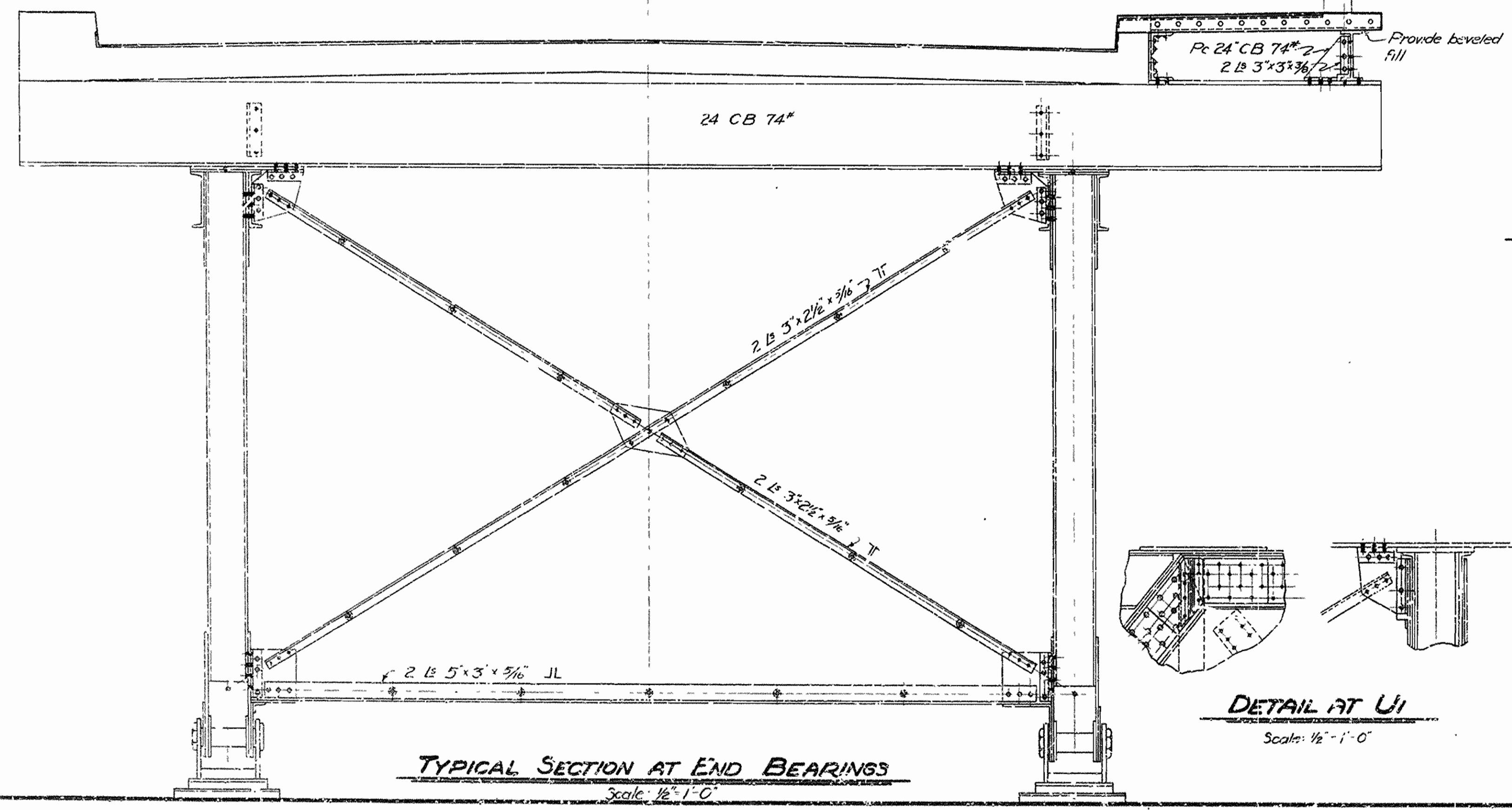
DETAILS OF 110'-0" DECK TRUSS
OVERPASS OVER ST-L-SF RY
 IMBODEN, ARK.
 LAWRENCE-RANDOLPH COUNTIES
 ROUTE 62 SEC. 18A & 18
ARKANSAS STATE HIGHWAY COMMISSION
 LITTLE ROCK, ARK.
 Drawn By: H.A.D. Date: 12-23-35
 Traced By: H.A.D. Date: 1-14-36
 Checked By: M.W.C. Date: 2-1-36
 Scale: 2 in. = 1 ft
BRIDGE NO. 1954 **DRAWING NO 4342**

H.A.D.
 BRIDGE ENGINEER

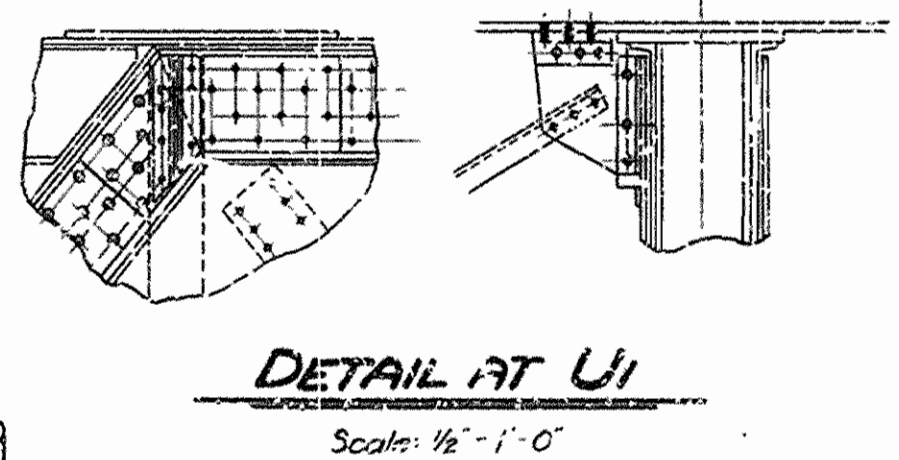
FED. ROAD DIST. NO.	STATE	U.S.W.P.G.C. PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.	W.P.G.M. 417 A W.P.G.H. 417 A		4	12
STATE JOB NO. 10-187					



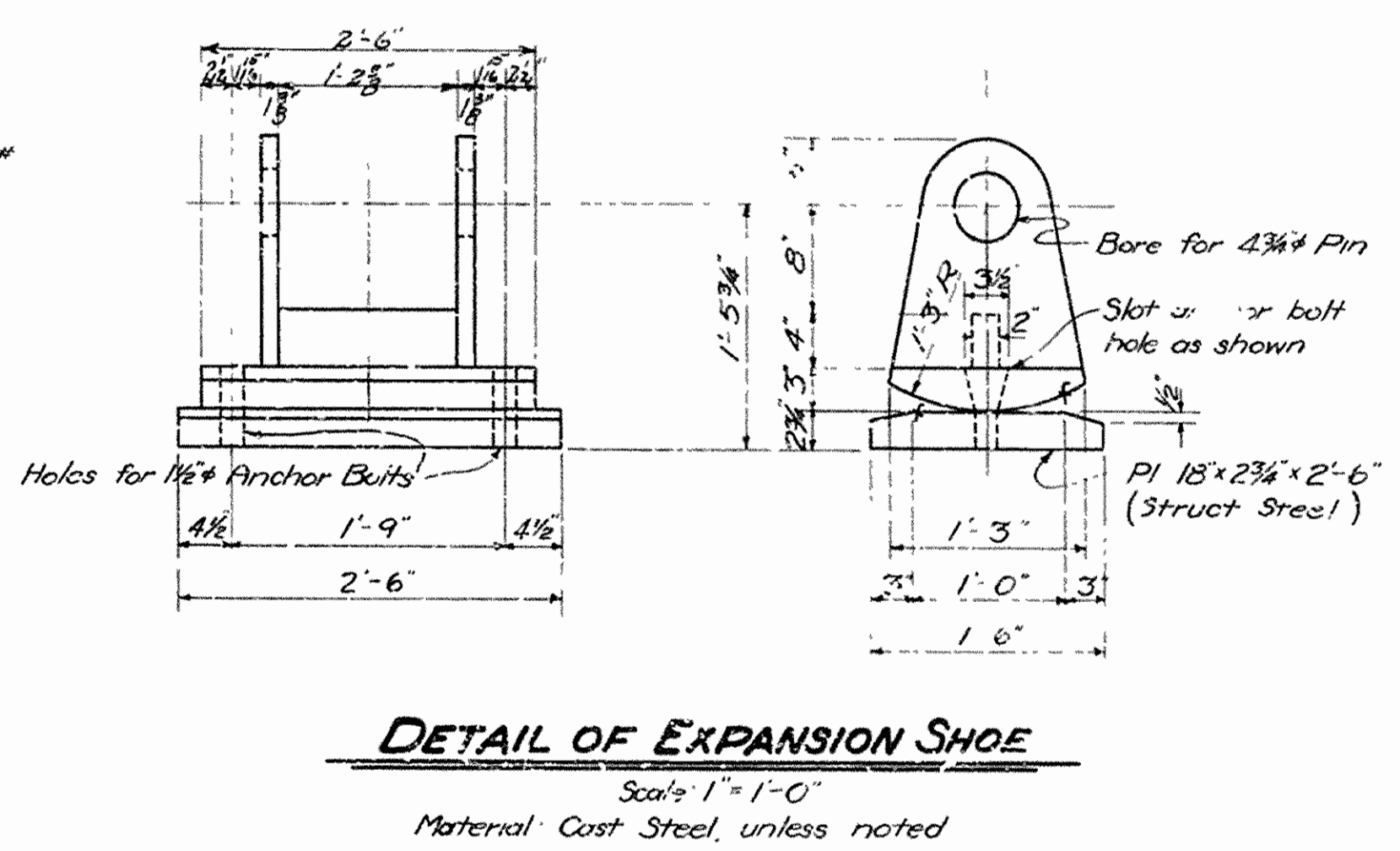
TYPICAL SECTION AT INTERMEDIATE PANEL POINT
Scale: 1/2" = 1'-0"



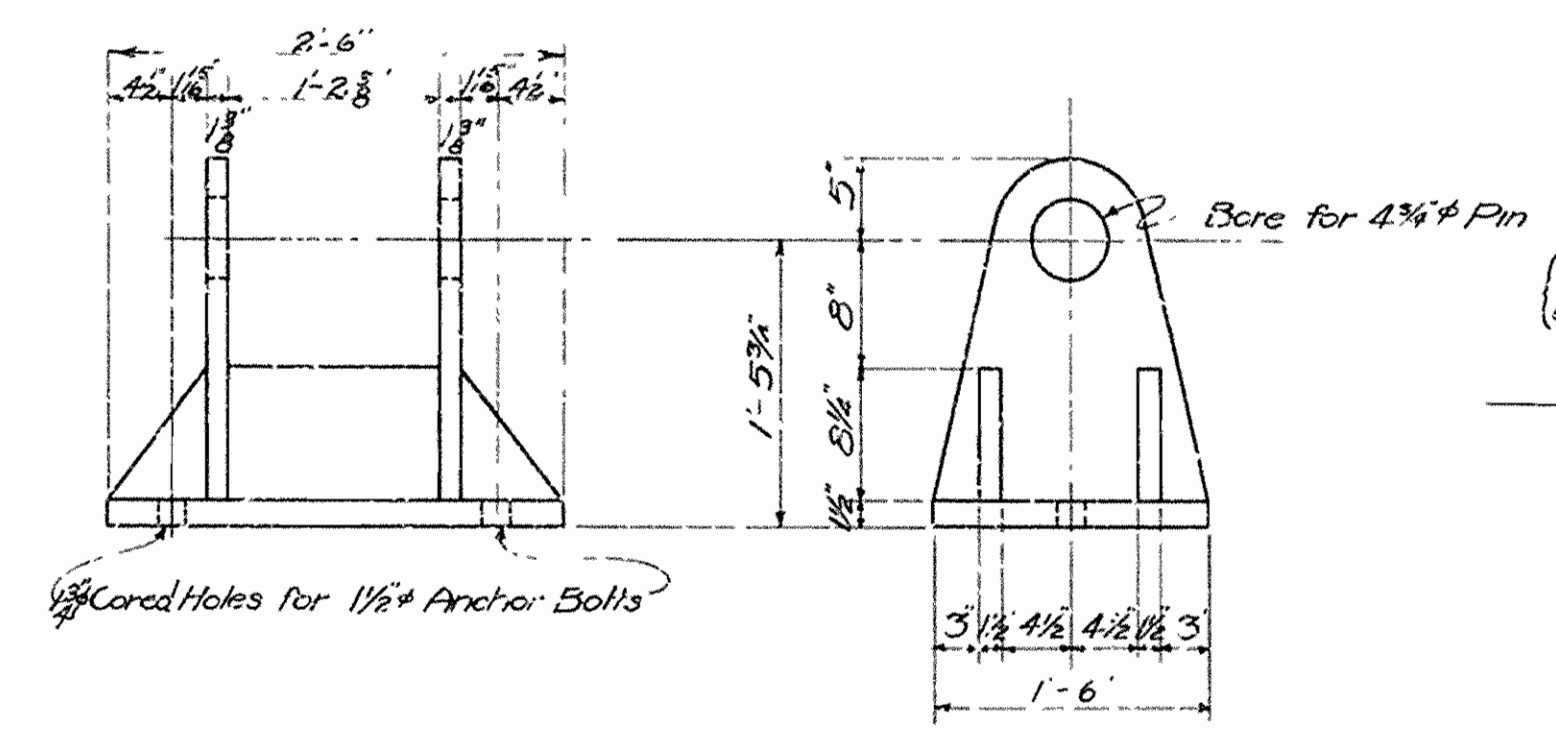
TYPICAL SECTION AT END BEARINGS
Scale: 1/2" = 1'-0"



DETAIL AT U1
Scale: 1/2" = 1'-0"

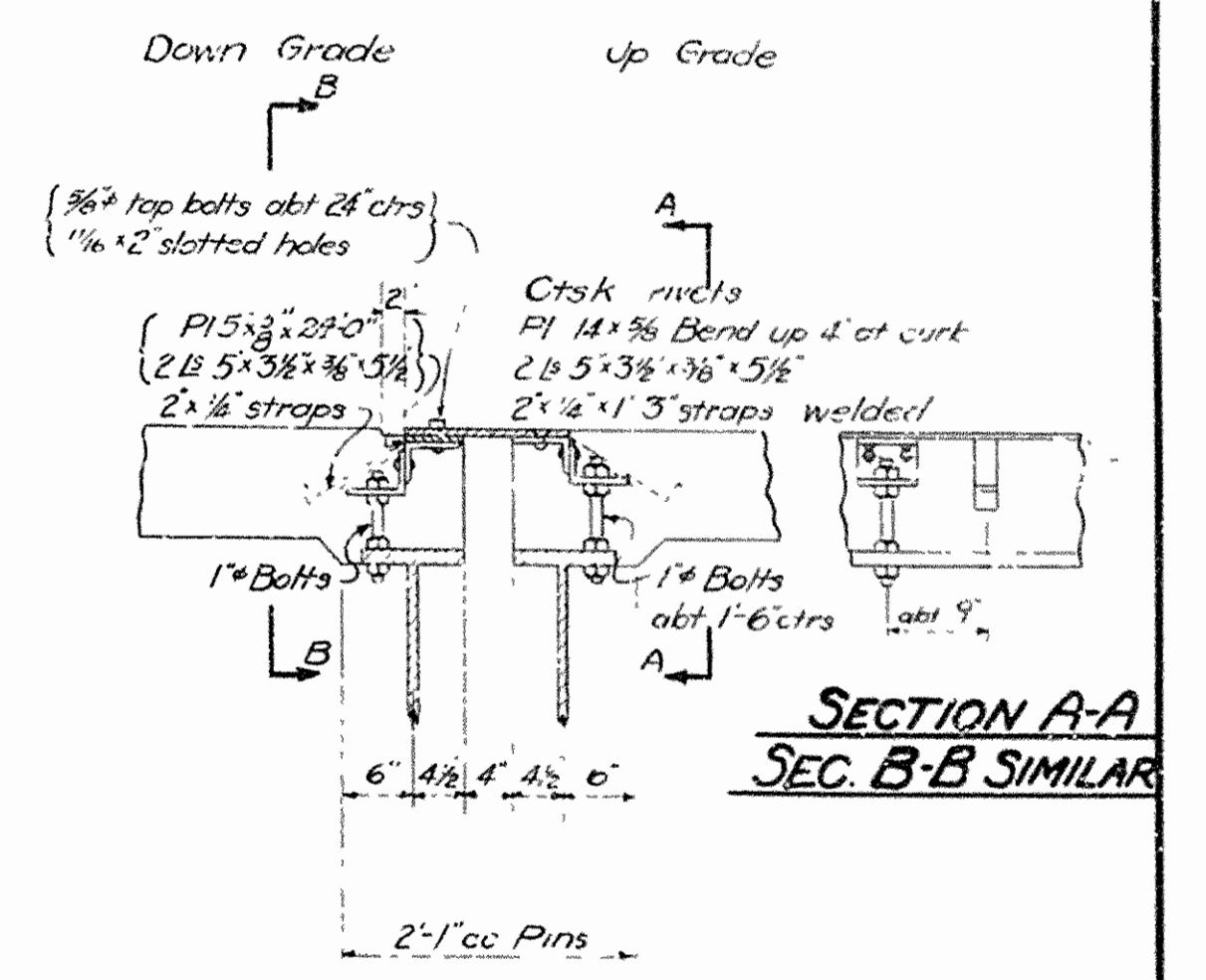


DETAIL OF EXPANSION SHOE
Scale: 1" = 1'-0"
Material: Cast Steel, unless noted

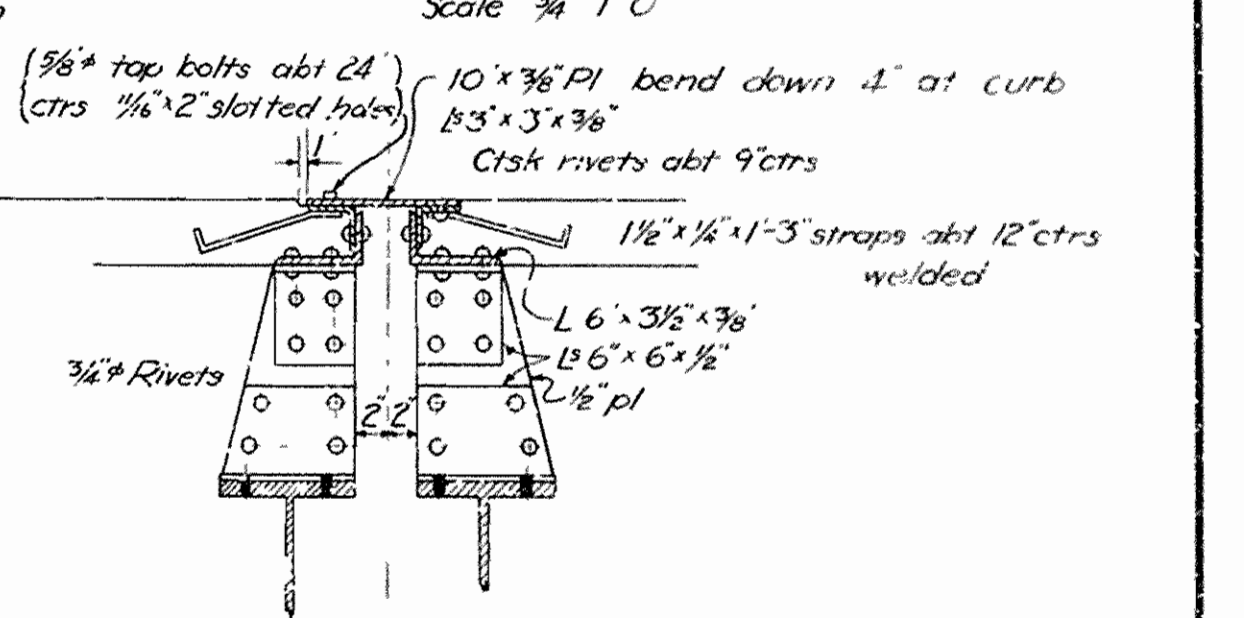


DETAIL OF FIXED SHOE
Scale: 1" = 1'-0"
Material: Cast Steel

DETAIL OF ANCHOR BOLT
Scale: 1" = 1'-0"



DETAIL OF ROADWAY EXP. JOINT AT PIERS 2 & 3
Scale: 3/4" = 1'-0"



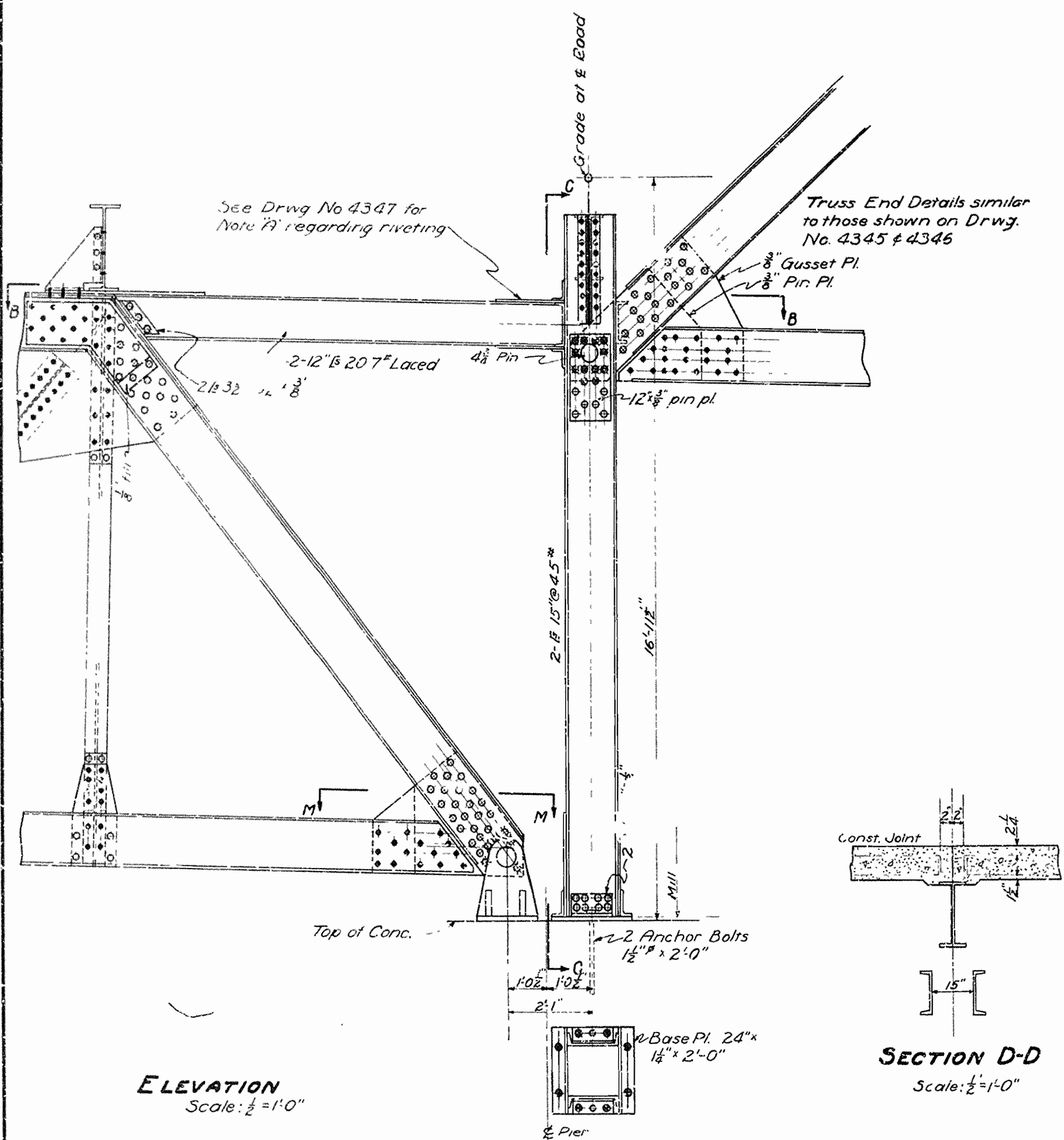
DETAIL OF SIDEWALK EXP. JOINT AT PIERS 2 & 3
Scale: 1" = 1'-0"

DETAILS OF 110'-0" DECK TRUSSES
OVERPASS OVER SL-SF RY
IMBODEN, ARK.
LAWRENCE - RANDOLPH COUNTIES
ROUTE 62 SEC. 18A & 18

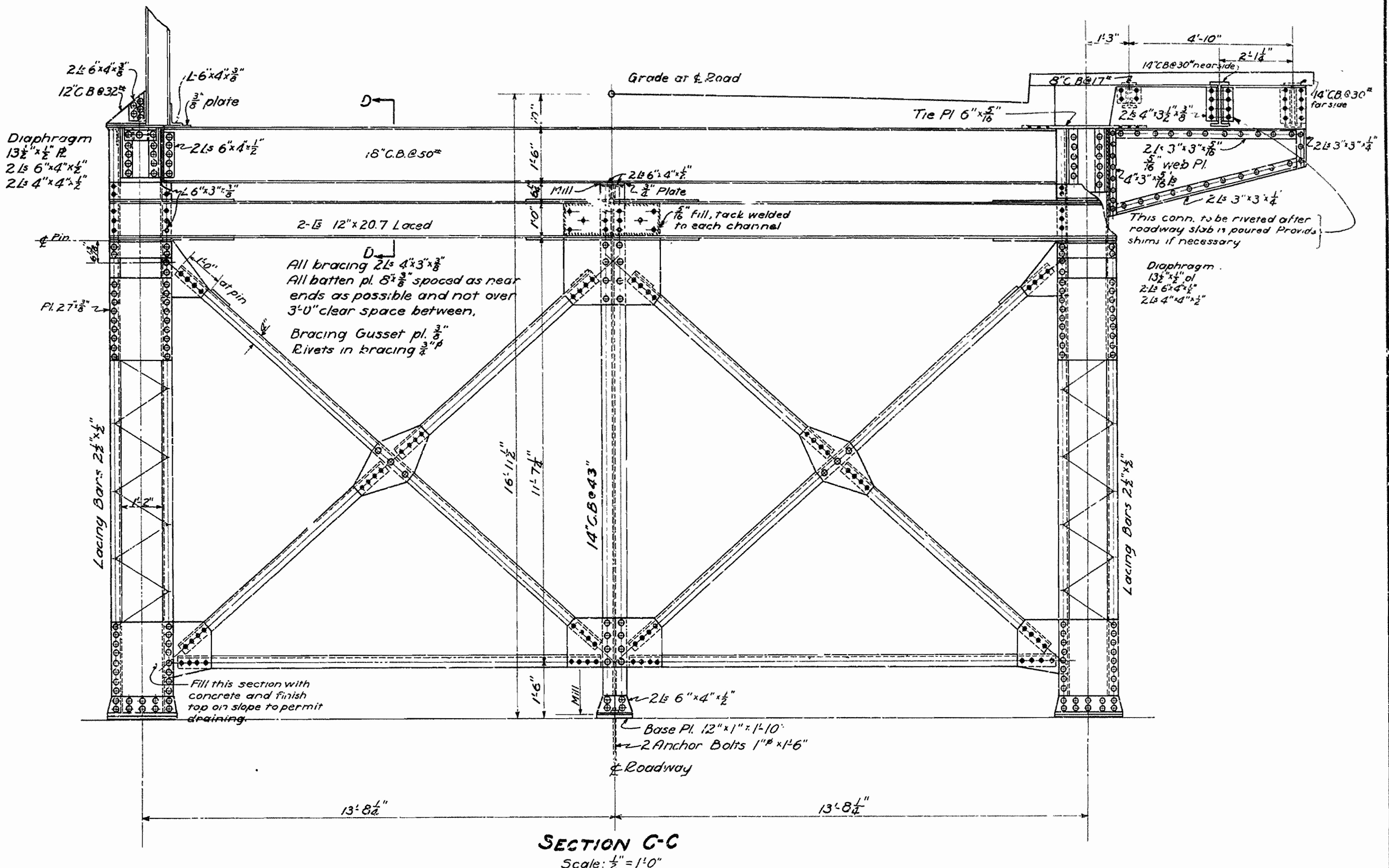
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.
Drawn By: HND Date: 12-30-35
Traced By: ERB Date: 1-14-36
Checked By: mals Date: 1-24-36
Scale: in. As shown ft.
BRIDGE NO. 1984 DRAWING NO. 4343

M.B. Sp...
BRIDGE ENGINEER

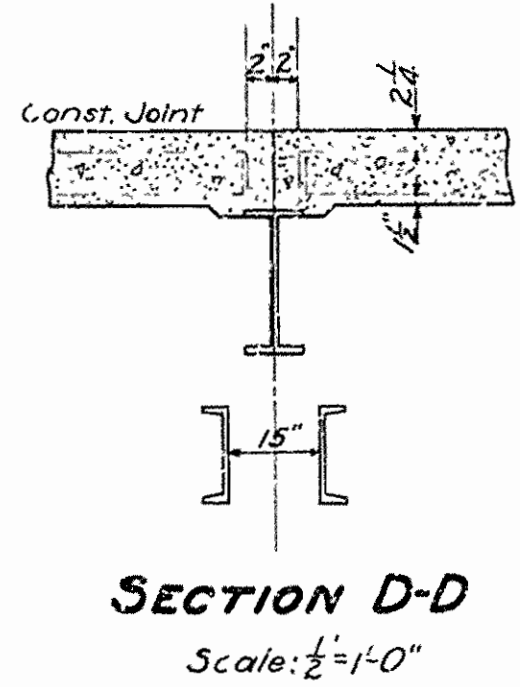
FED. ROAD DIST. NO.	STATE	US W. P. G. C. PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.	W.P.G.M 417-A W.P.G.H 417-A		21	57
STATE JOB NO. 10-187				21	43
				17	14



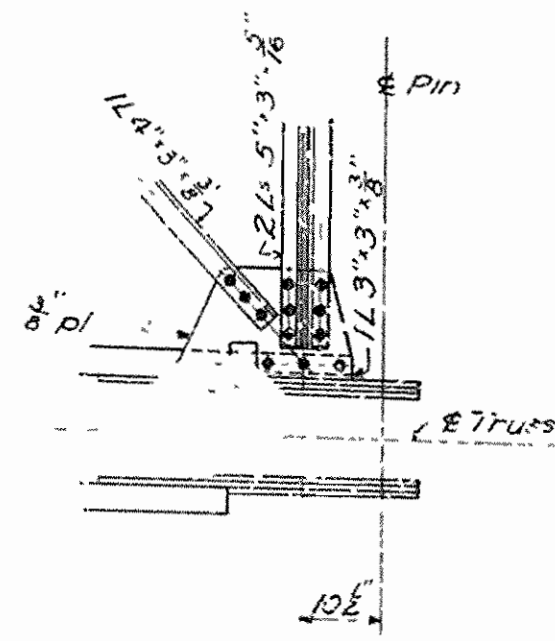
ELEVATION
Scale: $\frac{1}{2}$ " = 1'-0"



SECTION C-C
Scale: $\frac{1}{2}$ " = 1'-0"



SECTION D-D
Scale: $\frac{1}{2}$ " = 1'-0"



SECTION M-M
Scale: $\frac{1}{2}$ " = 1'-0"

Note: For Section B-B See Drwg. No. 4347

GENERAL NOTES FOR STEEL SUPERSTRUCTURE

Rivets in Trusses and Floorbeams $\frac{3}{4}$ " ; in Sidewalk Brackets and Stringers, Lateral Bracing and Cross Frames $\frac{5}{8}$ " ; in Flanges of 6" I-beams $\frac{3}{4}$ " .

Open Holes: To correspond to above. All holes in truss connections to be sub-punched $\frac{1}{16}$ " smaller than rivet specified and reamed to $\frac{1}{16}$ " larger than rivet specified during shop assembly. Members shall be match marked and a suitable diagram furnished for erection. Floor beam connections to be sub-punched $\frac{1}{16}$ " and reamed to a metal template. All floor beams to be milled to exact length after framing angles have been riveted. All field connections shall be riveted.

Floor Slab: Concrete to be Class "S". One inch has been added for wear.

Sidewalk Slab: Concrete to be Class "S".

Shop Paint: After being completely assembled and shopwork is finished all pieces shall be given one coat of red lead and raw linseed oil before shipment.

Field Paint: First Coat - White lead tinted with lamp black. Second Coat - Aluminum.

Shapes of equal or greater strength may be substituted for structural shapes shown, but payment will be made in accordance with sizes shown on these drawings or the substituted section if of lesser weight. These drawings show general features of design only. Shop drawings shall be made in compliance with specifications, submitted, and approved before fabrication is begun.

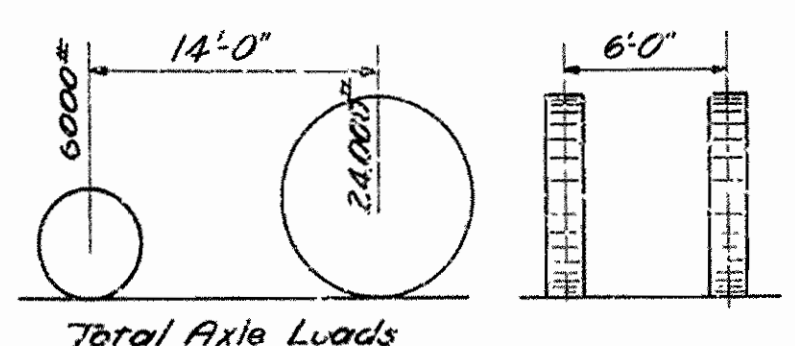
Trusses shall be cambered for dead load only.

Gas pipe roadway drains shall be paid for at the unit price bid for "Structural Steel in Truss Spans" and shall be painted the same as structural steel.

Specifications: Arkansas Standard Road and Bridge Specifications adopted May 30, 1925 and revised.

Unit Stresses: Concrete: - 750 ψ /in²
Reinforcing Steel: - 16,000 ψ /in²
Structural Steel: - 16,000 ψ /in²

Live Load: H15 Loading



DETAIL OF SUPPORT FOR TRUSS, PIER 4 OVERPASS OVER ST. L.-S.F. RY. IMBODEN, ARK.

LAWRENCE-RANDOLPH COUNTIES
ROUTE 62 SEC. 18A418

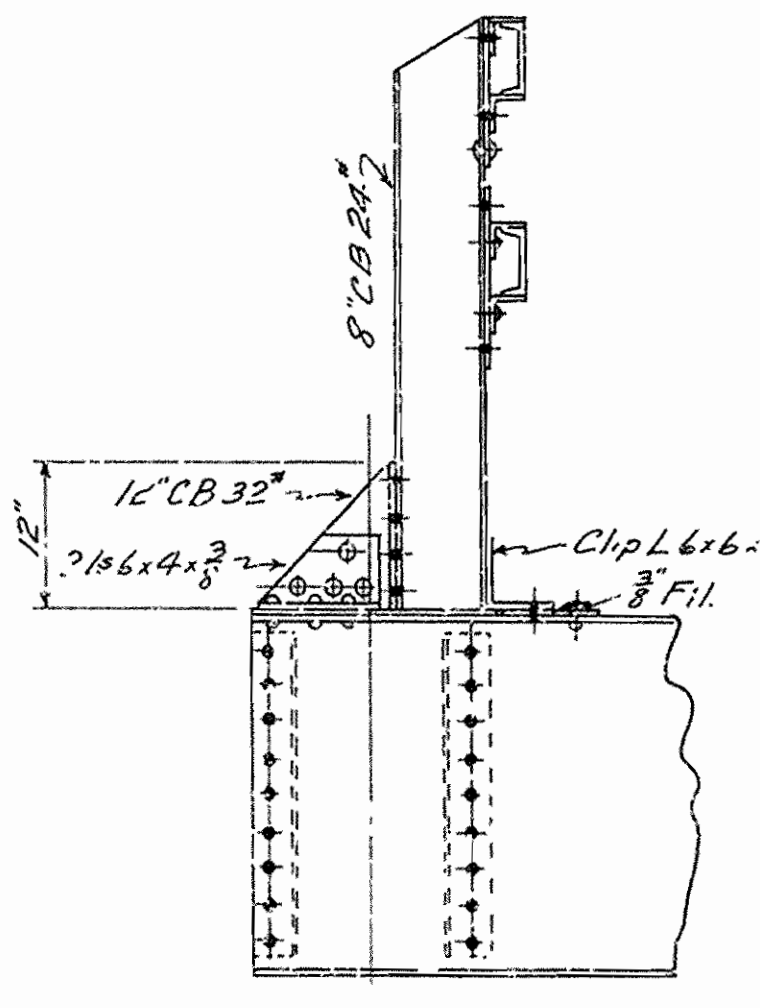
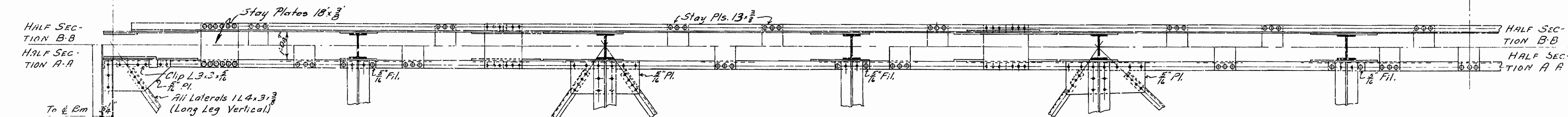
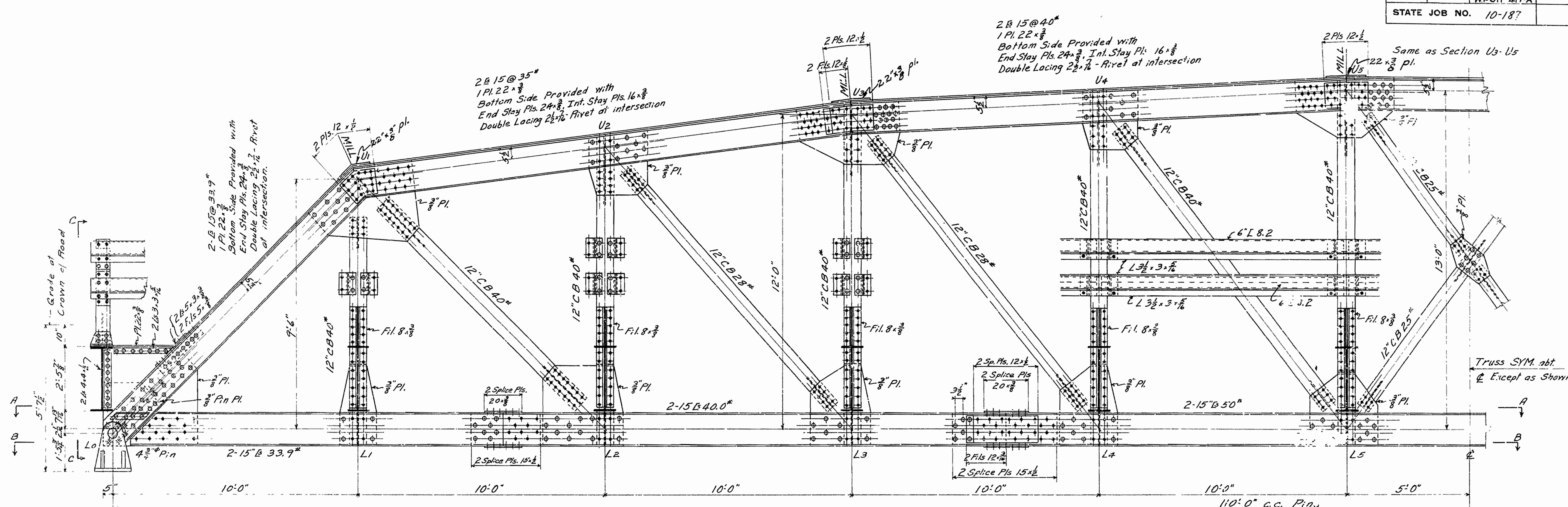
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

W. B. Harvey
BRIDGE ENGINEER

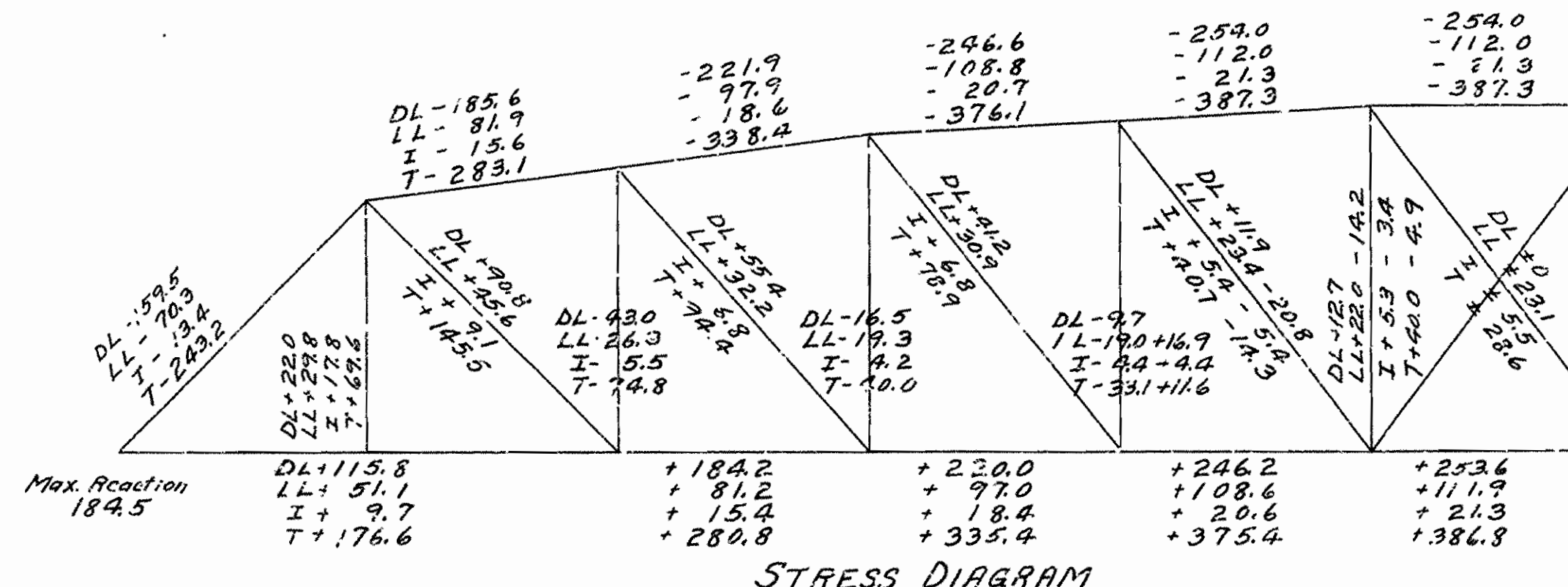
Drawn By: H.M.B. Date: 2-14-36
Traced By: C.W.B. Date: 2-17-36
Checked By: _____ Date: _____
BRIDGE NO. 1934 DRAWING NO. 4344

Scale: $\frac{1}{2}$ in. = 1 ft.

FED. ROAD DIST. NO.	STATE	USWPC PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.	WPGM 417-A WPGH 417-A		22	30
STATE JOB NO. 10-187				22	44



SECTION C-C
Scale: 1/4\"/>



STRESS DIAGRAM

Notes:
 Rivets: In Truss & Floor beams 7/8"
 In Bottom Laterials 3/4"
 In Flanges of C'L 5/8"
 Holes: To correspond to above.
 For General Notes see Drwg. No. 4344

DETAIL OF CURB TRUSS
 SPANS 7, 8, & 9
 OVERPASS OVER ST.L.-S.F. R.W.Y.
 IMBODEN, ARK.
 LAWRENCE & RANDOLPH COUNTIES
 ROUTE 62 SEC. 18A & 18

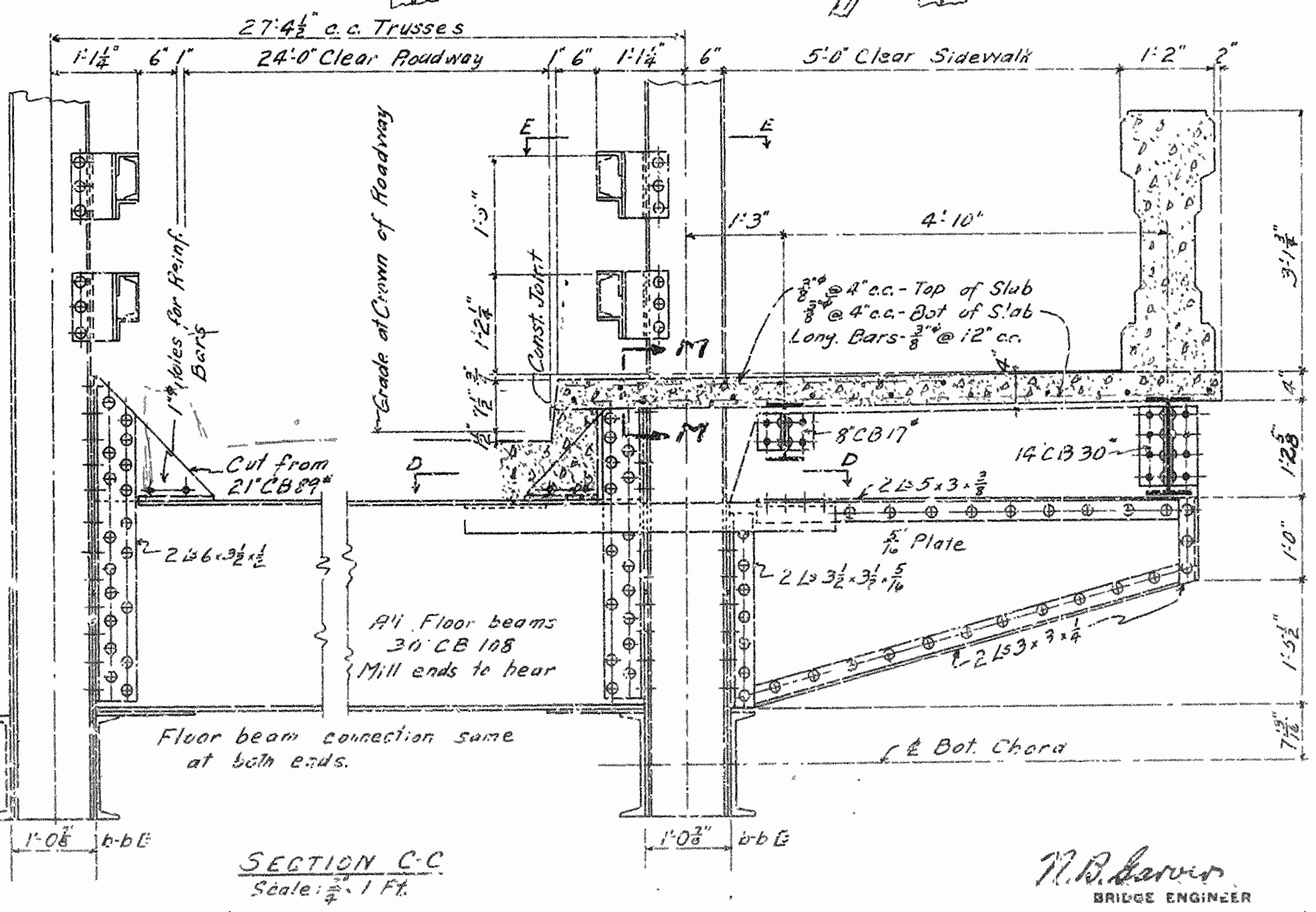
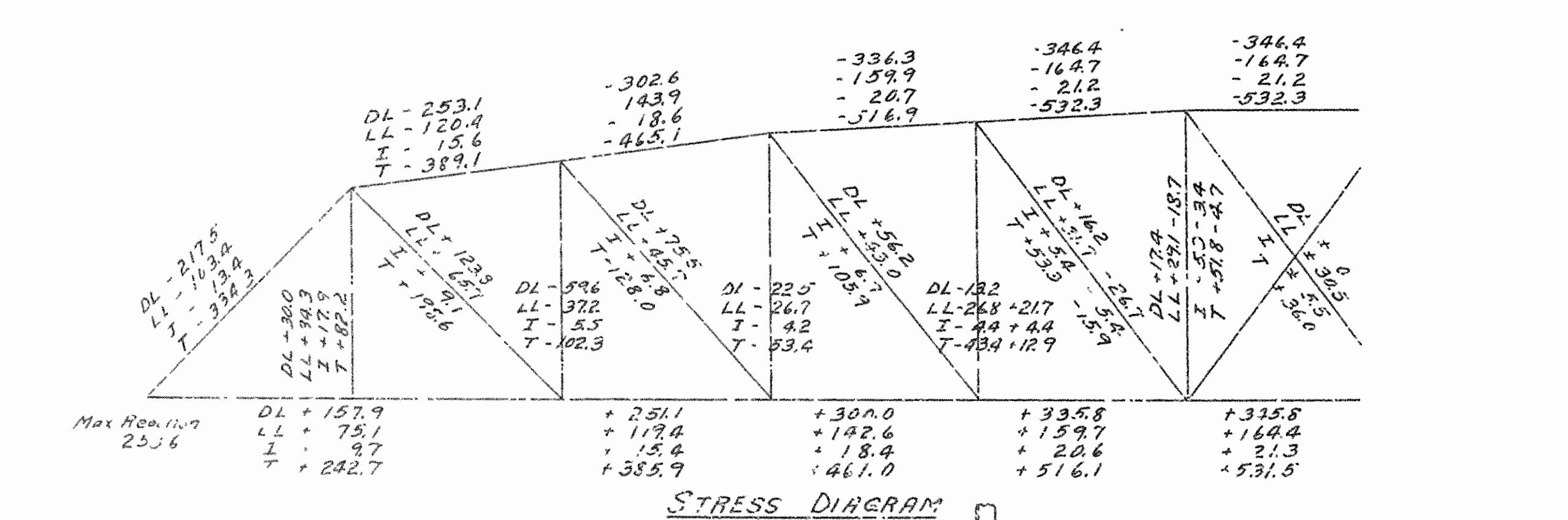
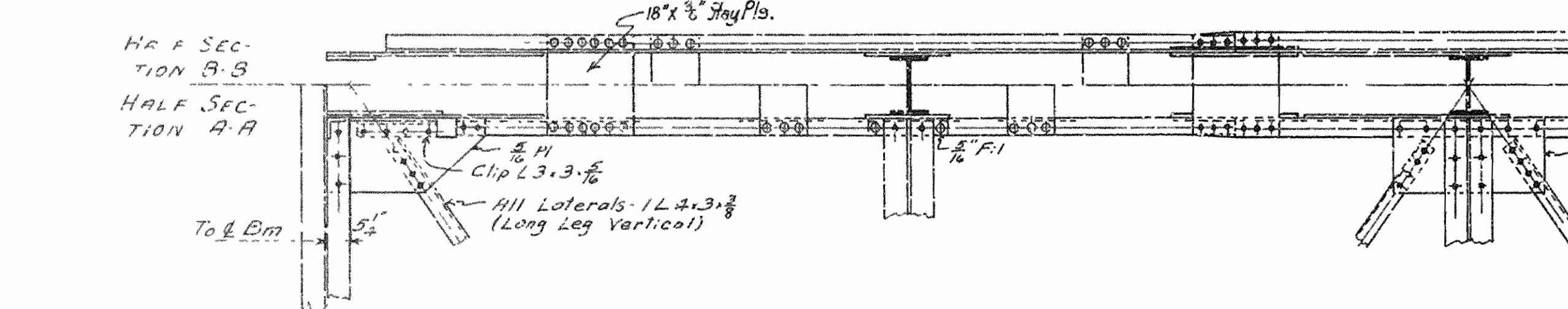
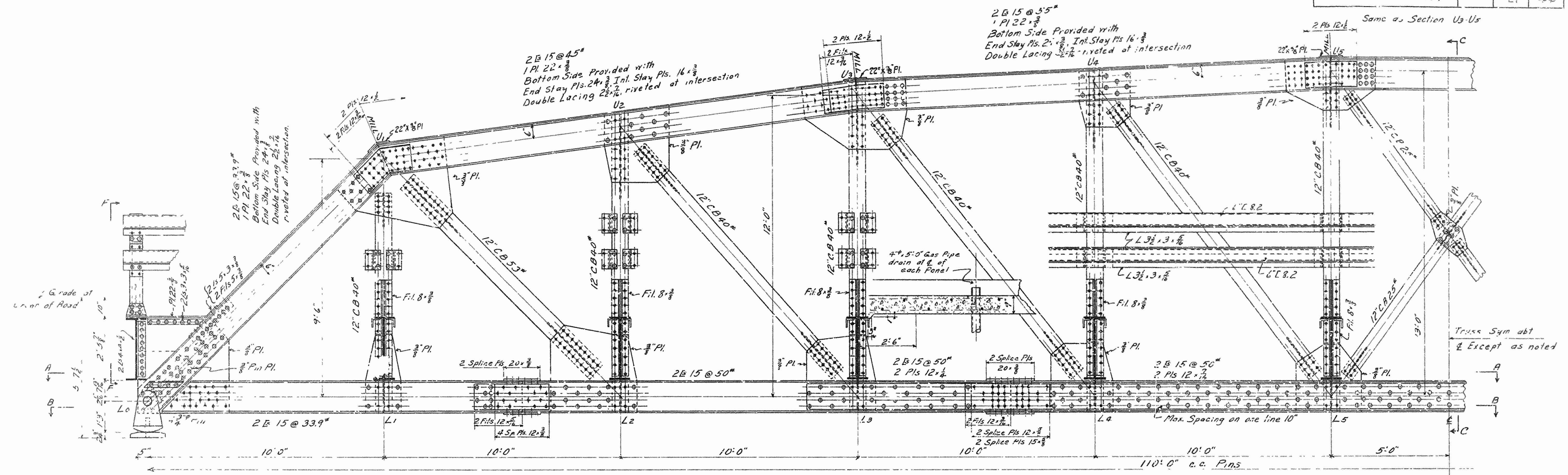
ARKANSAS STATE HIGHWAY COMMISSION
 LITTLE ROCK, ARK.

Drawn By: B.C. Date: 12-19-35
 Traced By: J.C. Date: 1-12-36
 Checked By: H.N.D. Date: 2-3-36
 Scale: 1/2" = 1' ft. Unless Noted

M.B. Larver
 BRIDGE ENGINEER

BRIDGE NO. 1984 DRAWING NO. 4345

FED. ROAD DIST NO	STATE	USWPGC PROJECT NO.	FISCAL YEAR	SHEET NO	TOTAL SHEETS
6	ARK.	WPGM 417-A		25	52
		WPGH 417-A		21	41
STATE JOB NO.		10-187			



Notes:
 Rivets: In Truss & Floorbeams - 3/4"
 In Sidewalk Bracket & Stringers and Bottom Laterals - 3/8"
 In Flanges of 6\"/>

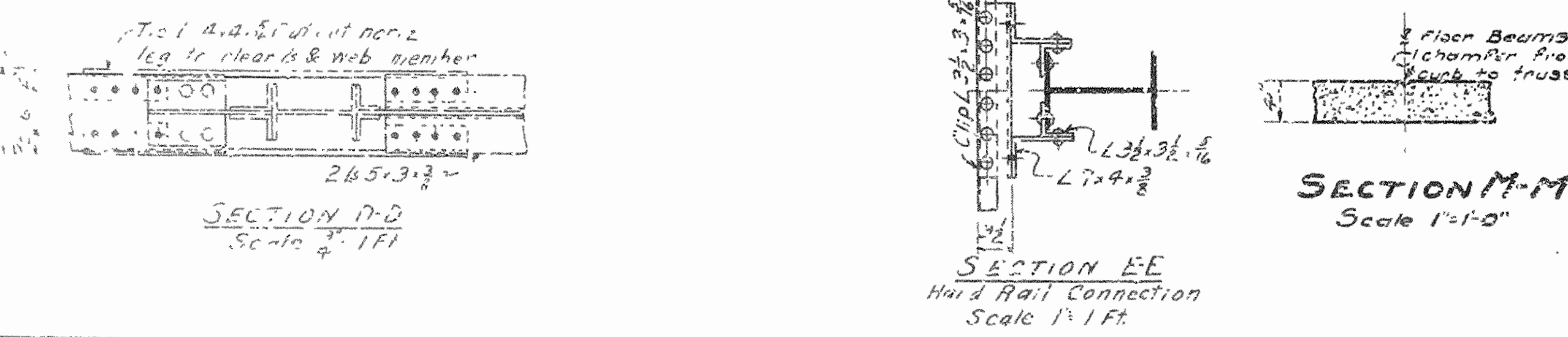
FLOOR BEAM D-TA

Dead Load Moment	11,000 ft lbs
Live Load Moment	11,000 ft lbs
Impact 30%	66,000 ft lbs
Total Moment	400,000 ft lbs

Req'd Section Modulus 303 in.
 Section Modulus of 30\"/>

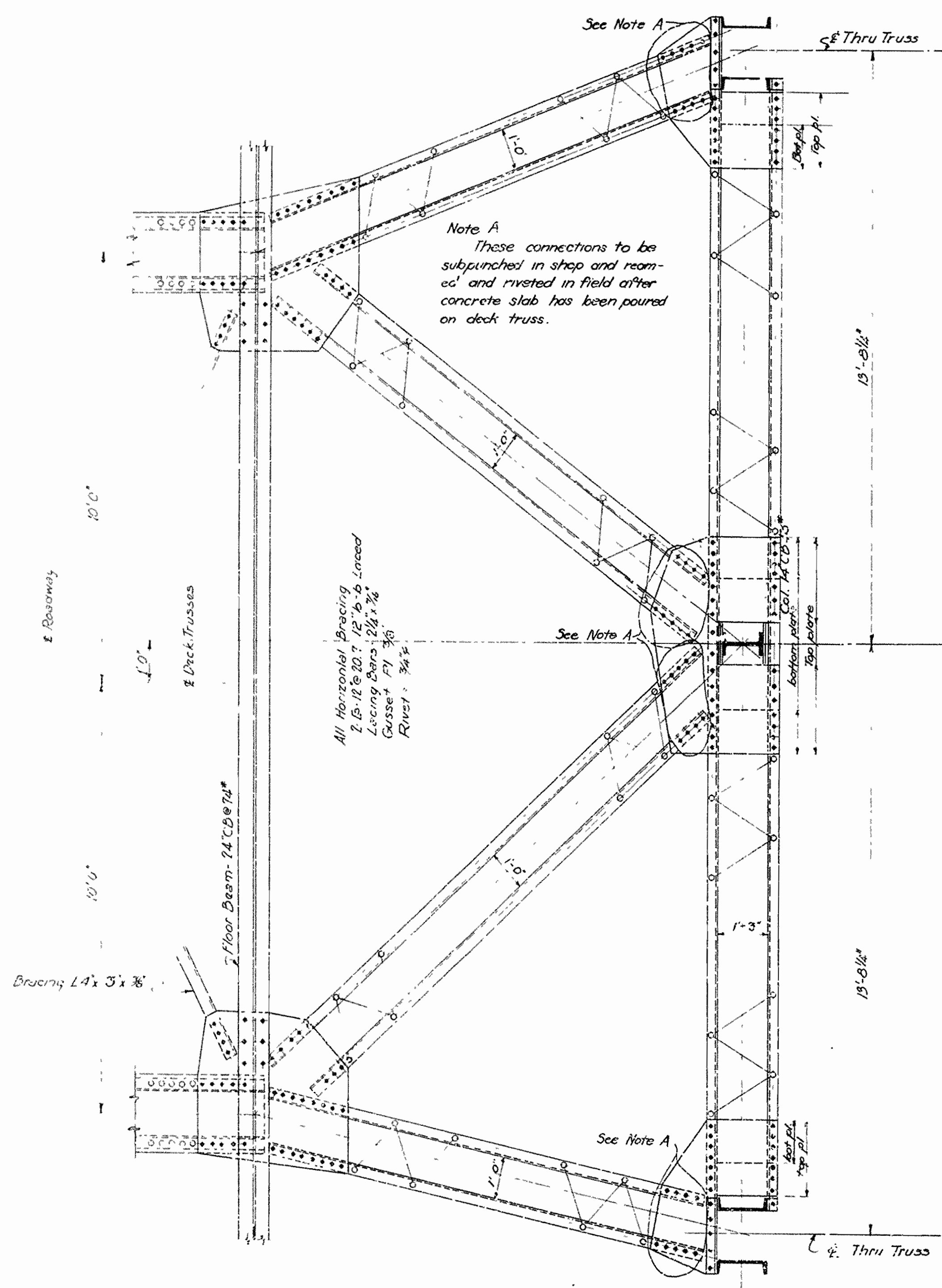
DETAIL OF SIDEWALK TRUSS SPANS 7, 8, & 9 OVERPASS OVER S.T.L. - S.F. RWY. IMBODEN, ARK. LAWRENCE & RANDOLPH COUNTIES ROUTE 62 SEC. 18-A & 18 ARKANSAS STATE HIGHWAY COMMISSION LITTLE ROCK, ARK.

Drawn By: *OG* Date: 12-16-36
 Traced By: *OG* Date: 1-11-36
 Checked By: *HND* Date: 2-1-36
 BRIDGE NO. 1984 DRAWING NO. 4346



N.P. Barrio
 BRIDGE ENGINEER

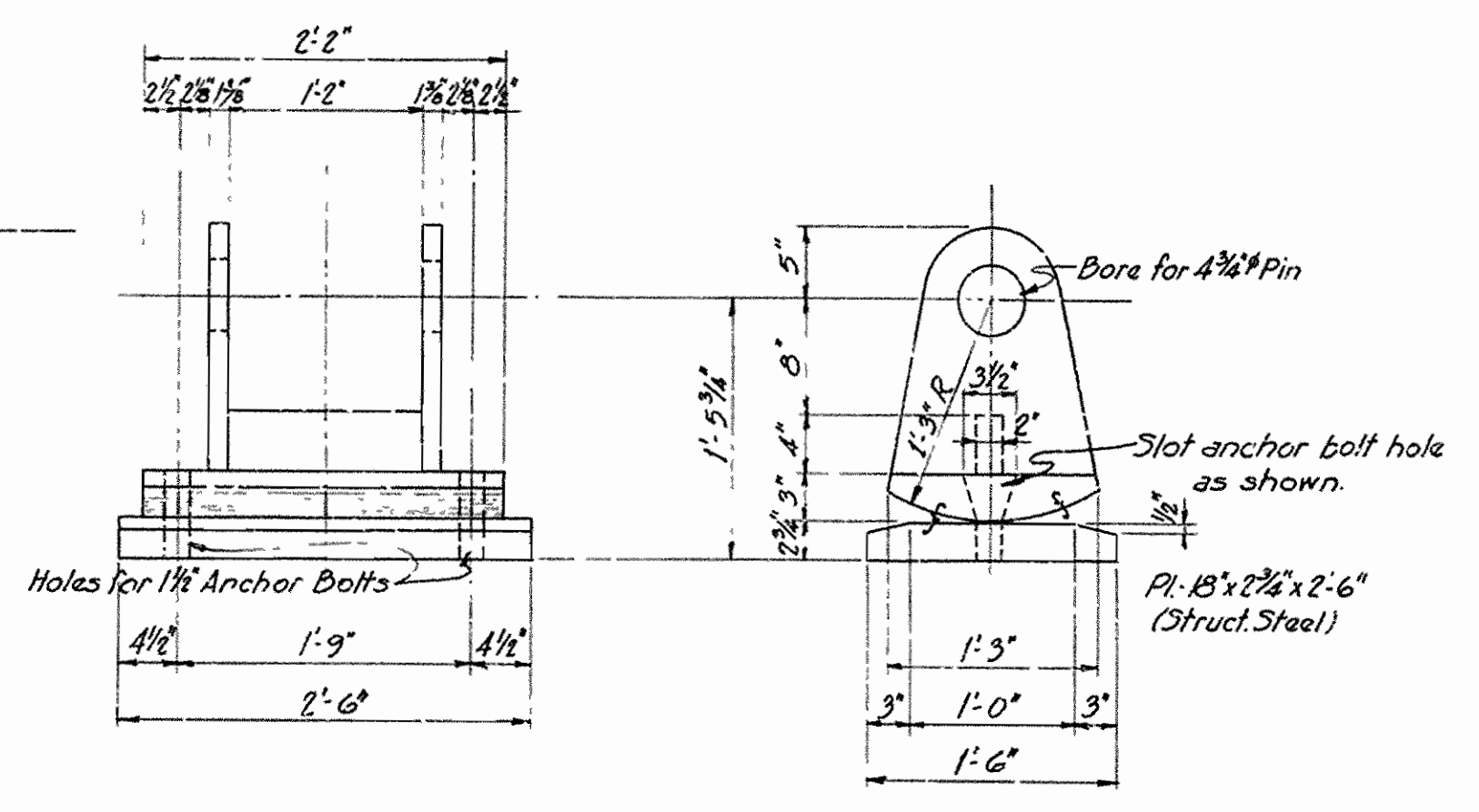
FED. ROAD DIST. NO.	STATE	U.S. W.P.C. PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.	WPGM 417A WPGH 417A		22	44
STATE JOB NO. 10-187				22	44



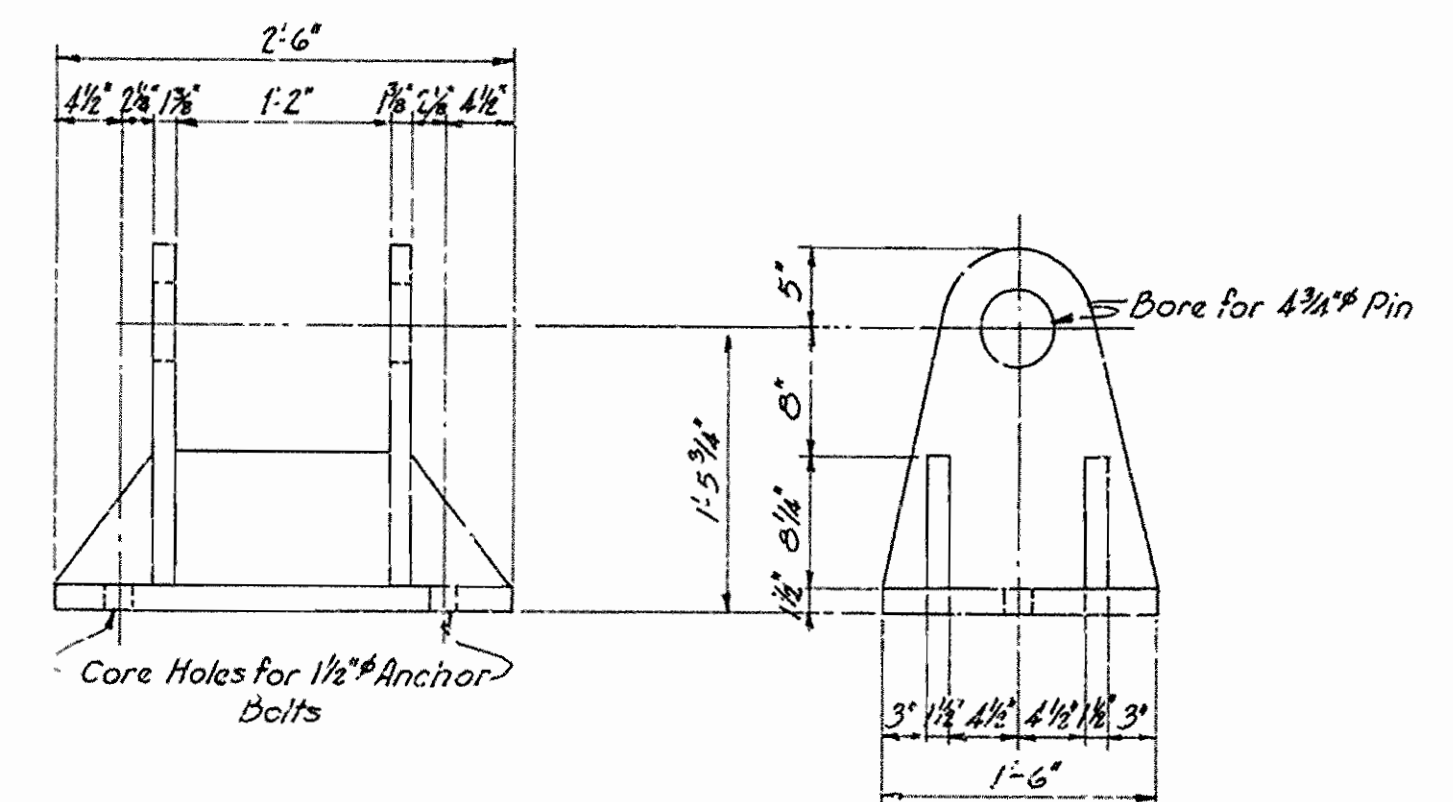
Note A
These connections to be subpunched in shop and reamed and riveted in field after concrete slab has been poured on deck truss.

All Horizontal Bracing
2 Ls 12# 20.7 1/2" x 3/8" Lined
Gusset Pl 3/8"
Rivet 1/2"

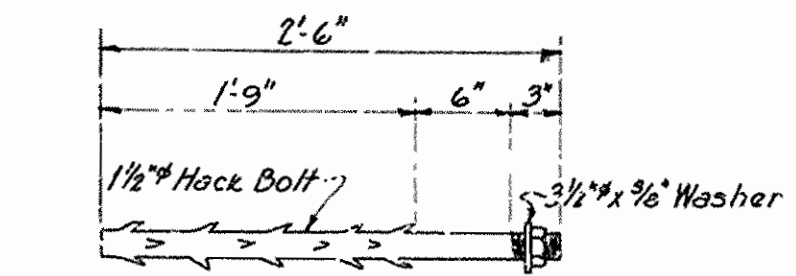
SECTION B-B
Scale: 1/2" = 1'-0"
See Dwg. No. 4344



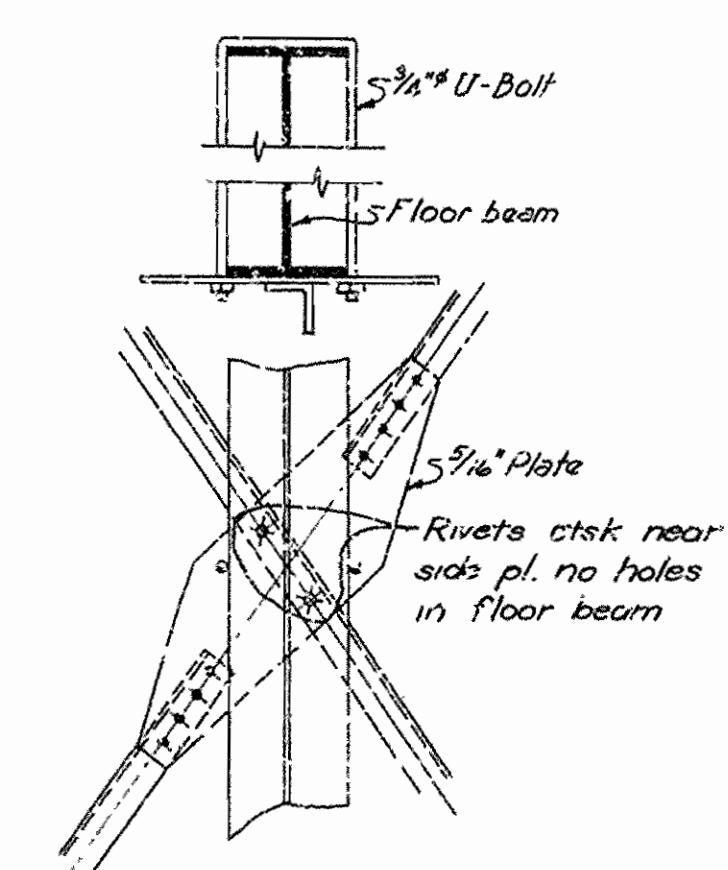
DETAIL OF EXPANSION SHOE
Scale: 1" = 1'-0"
Material: Cast Steel, unless noted.



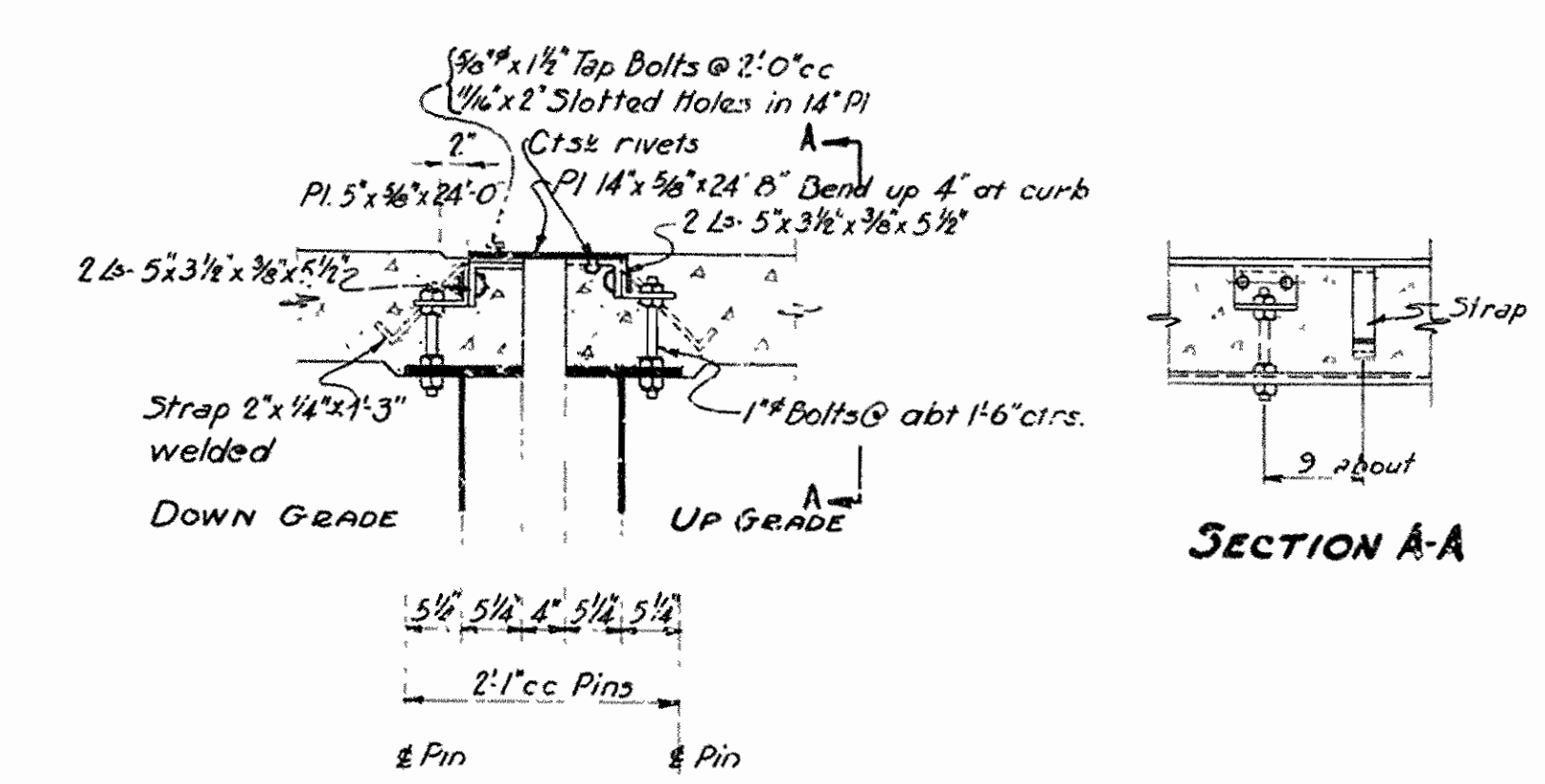
DETAIL OF FIXED SHOE
Scale: 1" = 1'-0"
Material: Cast Steel.



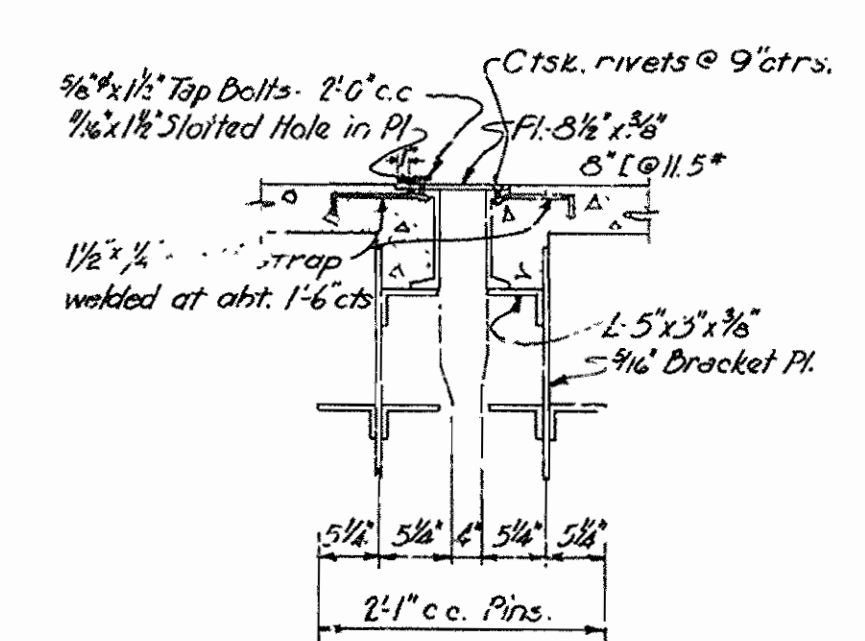
DETAIL OF ANCHOR BOLT
Scale: 1" = 1'-0"



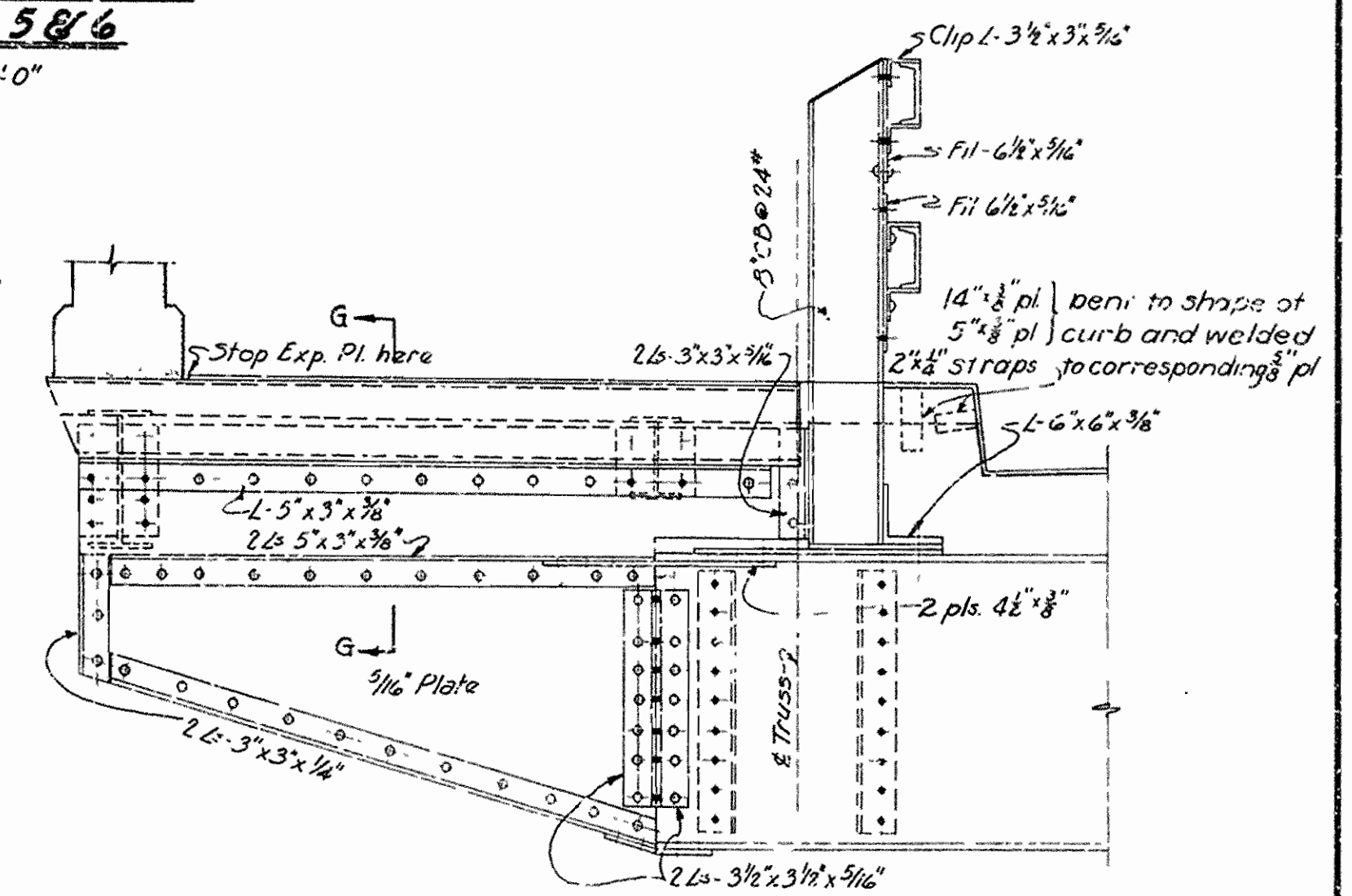
DETAIL OF LATERAL HANGER
Scale: 3/4" = 1'-0"



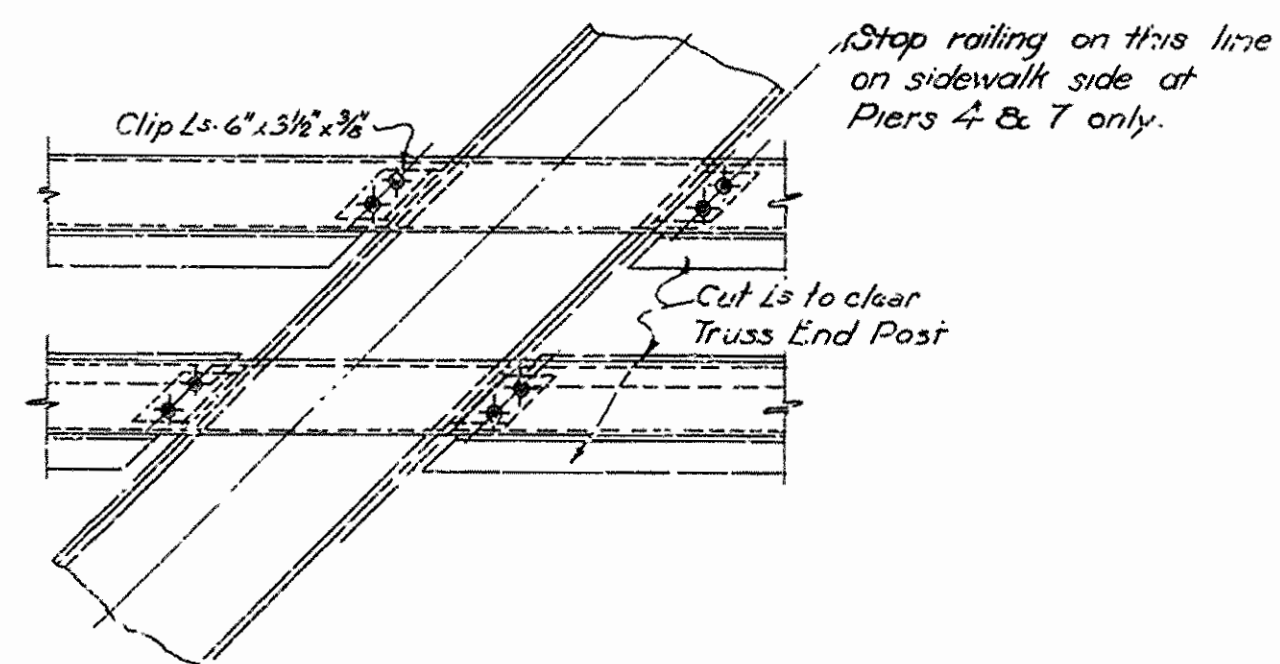
EXPANSION JOINT DETAIL AT PIERS No. 5 & 6
Scale: 3/4" = 1'-0"



SECTION G-G Detail of Sidewalk Expansion



VIEW F-F
Scale: 3/8" = 1'-0"
See Dwg. No. 4346



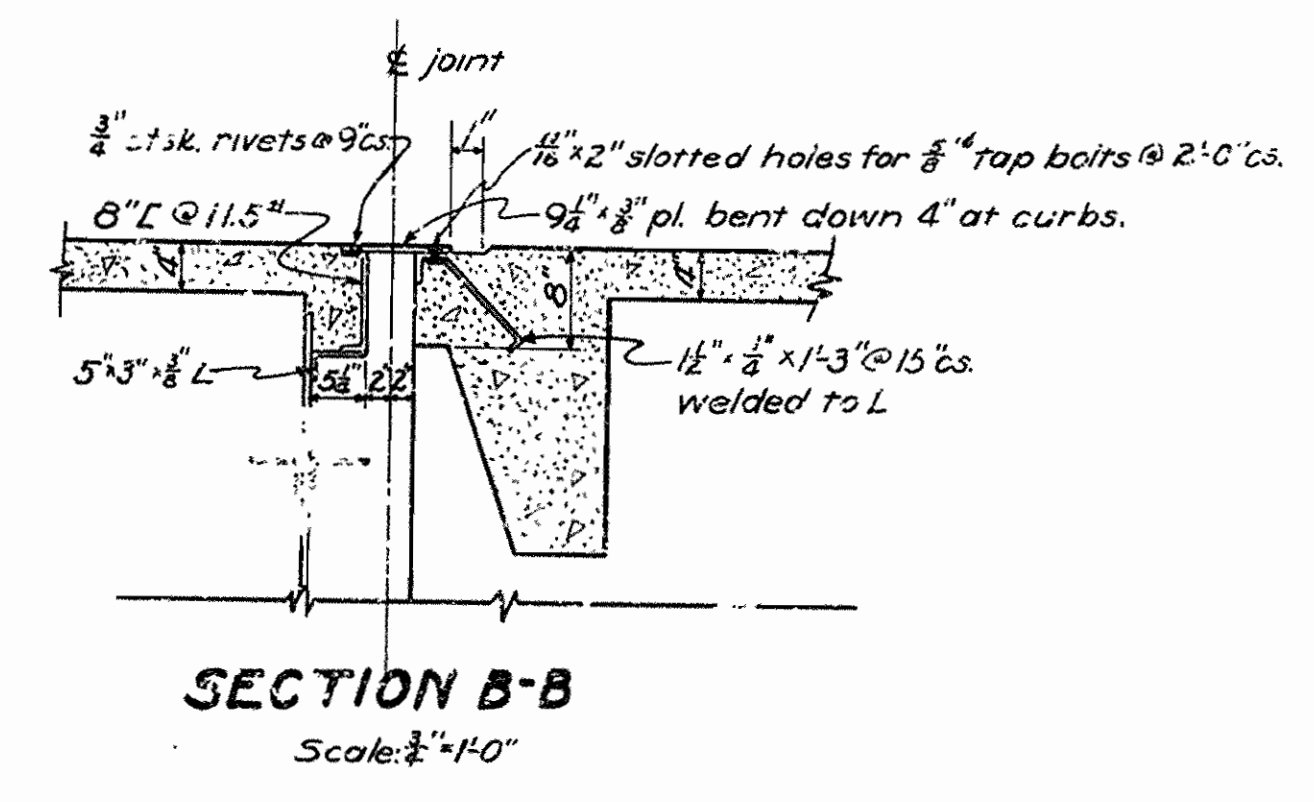
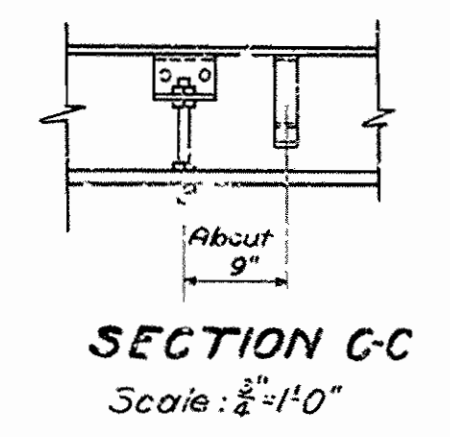
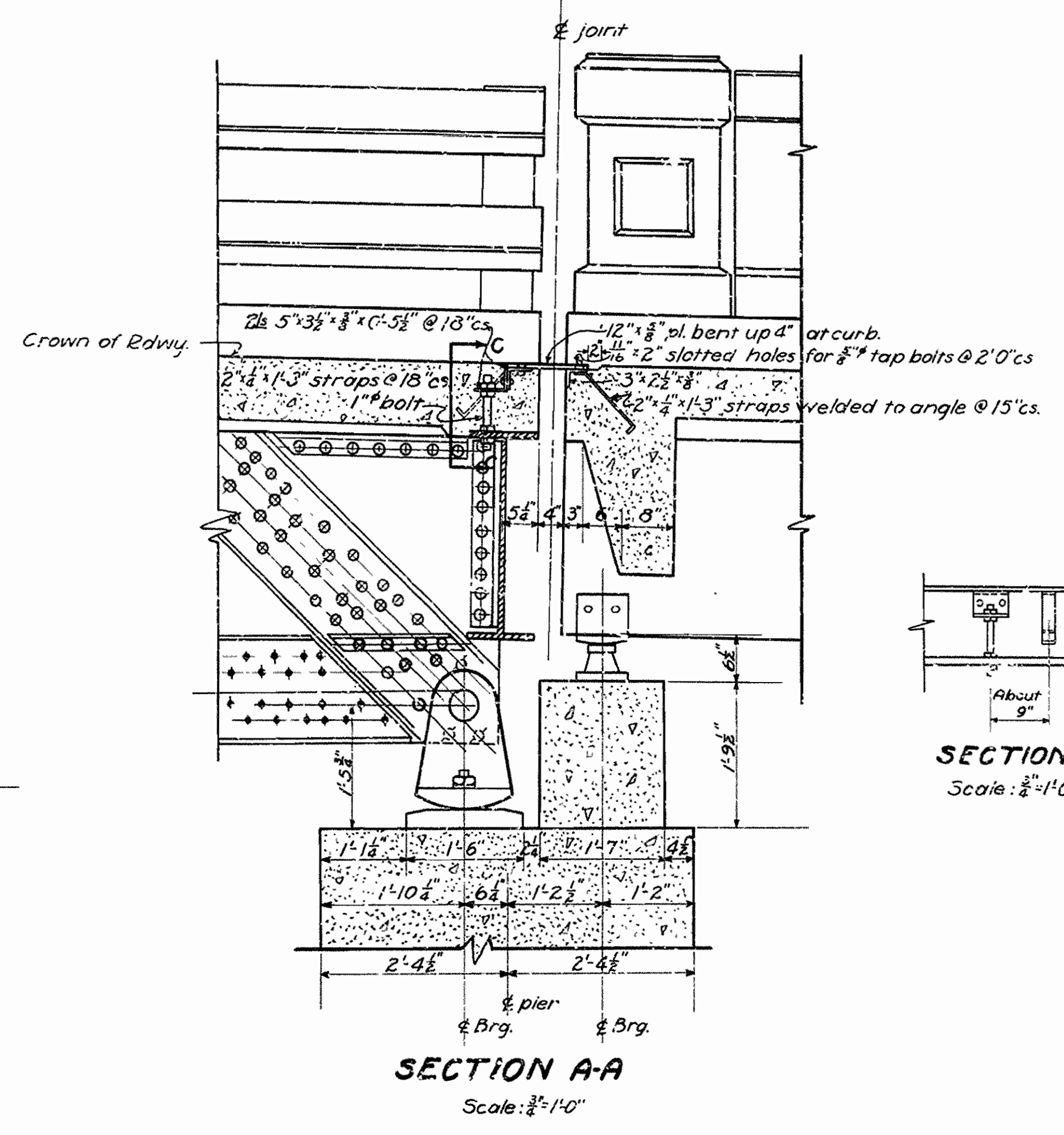
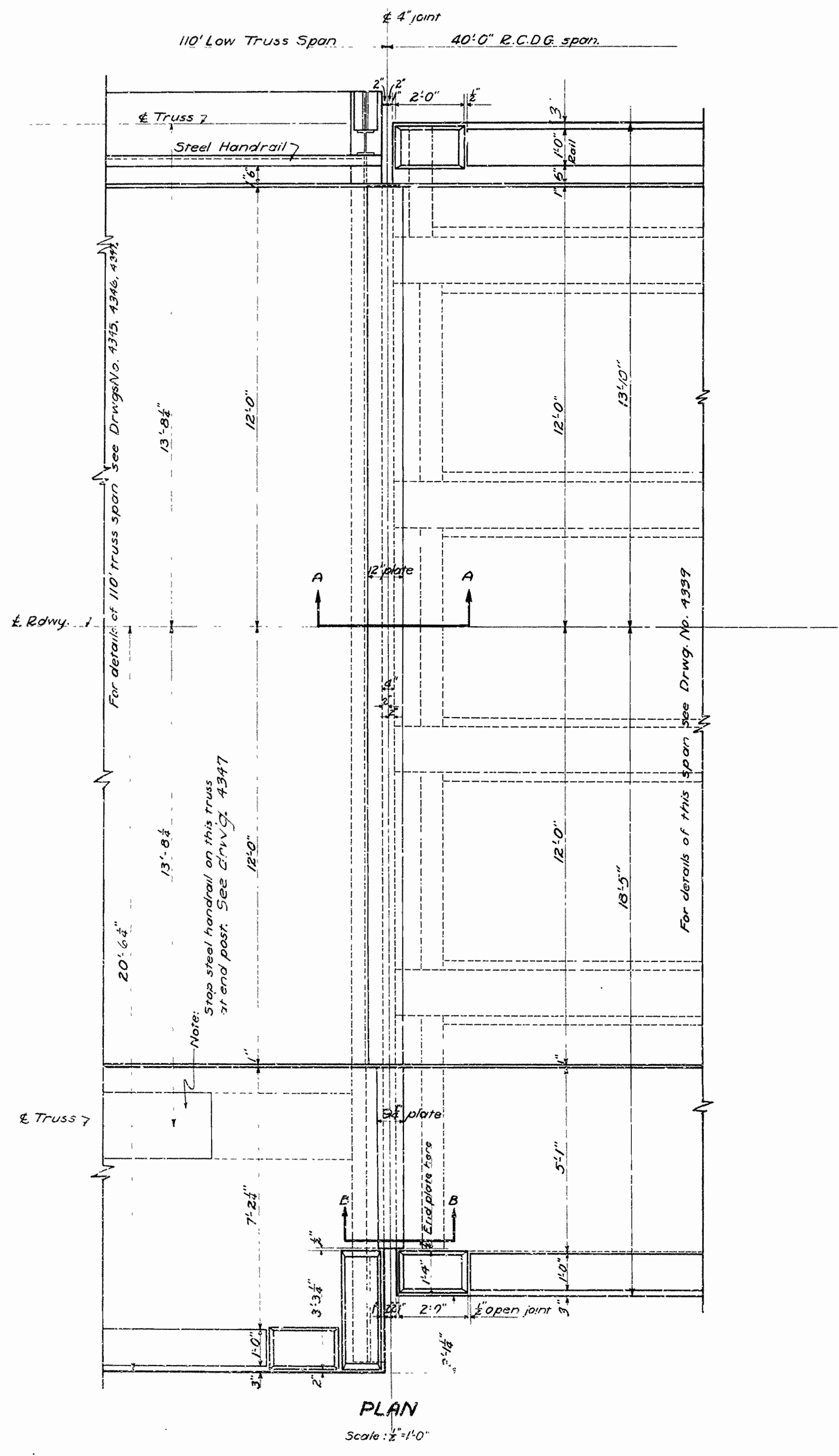
HAND RAIL CONNECTION TO LOU
Scale: 3/4" = 1'-0"

MISC. DETAILS OF THRU TRUSS
OVERPASS OVER ST. L. - S. F. Rwy
IMBODEN, ARK.
LAWRENCE - RANDOLPH COUNTIES
ROUTE 62 SEC. 8A & 18
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.
Drawn By: B.G. Date: 12-12-35
Traced By: M.R. Date: 1-12-36
Checked By: H.S.D. Date: 2-3-36
Scale: in. = ft.
BRIDGE NO. 1984 DRAWING NO. 4347

N.R. Garner
BRIDGE ENGINEER

294

FED. ROAD DIST. NO.	STATE	U.S.W.P.O.C. PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.	WBGM 417-A WBGH 417-A		52	52
STATE JOB NO. 10-187					44



**DETAILS OF SLAB
JOINT AT PIER NO. 7
OVERPASS OVER ST.L.-S.F.Ry
IMBODEN, ARKANSAS
LAWRENCE-RANDOLPH COUNTIES
ROUTE 62 SEC. 18A & B
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.**

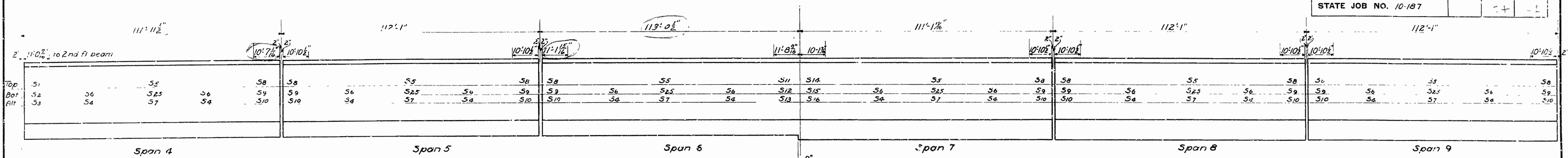
Drawn By: B.V. Date: 12-7-35
Traced By: C.V.B. Date: 1-18-36
Checked By: H.N.D. Date: 2-7-36

Scale: $\frac{3}{8}$ in. = 1 ft.
as noted

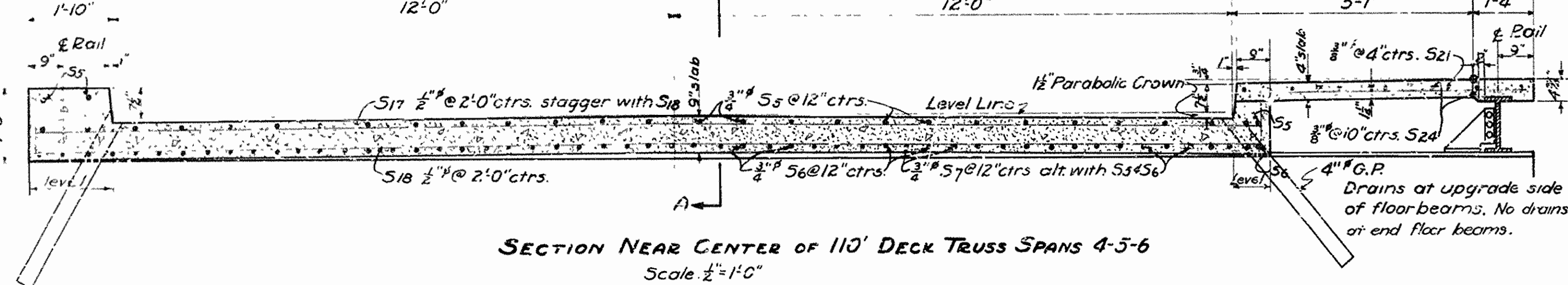
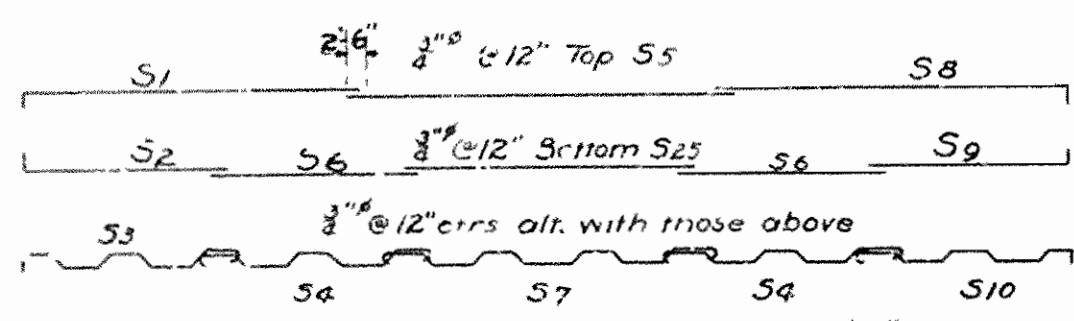
BRIDGE NO. 1984 DRAWING NO. 48

N.B. Lerner
BRIDGE ENGINEER

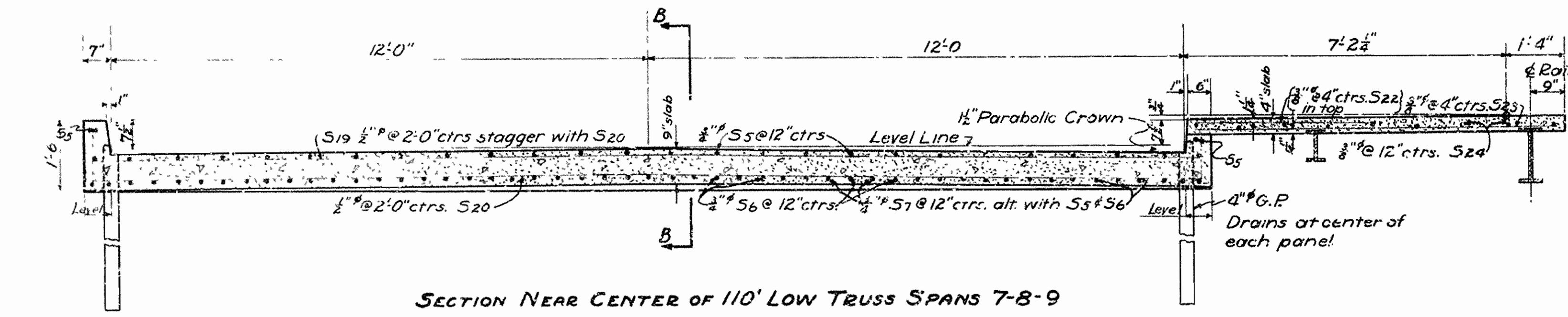
FED. ROAD DIST. NO.	STATE	USWPGC PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.	W.B.G.M. 417A		52	52
STATE JOB NO. 10-187		W.B.G.H. 417A		+	-



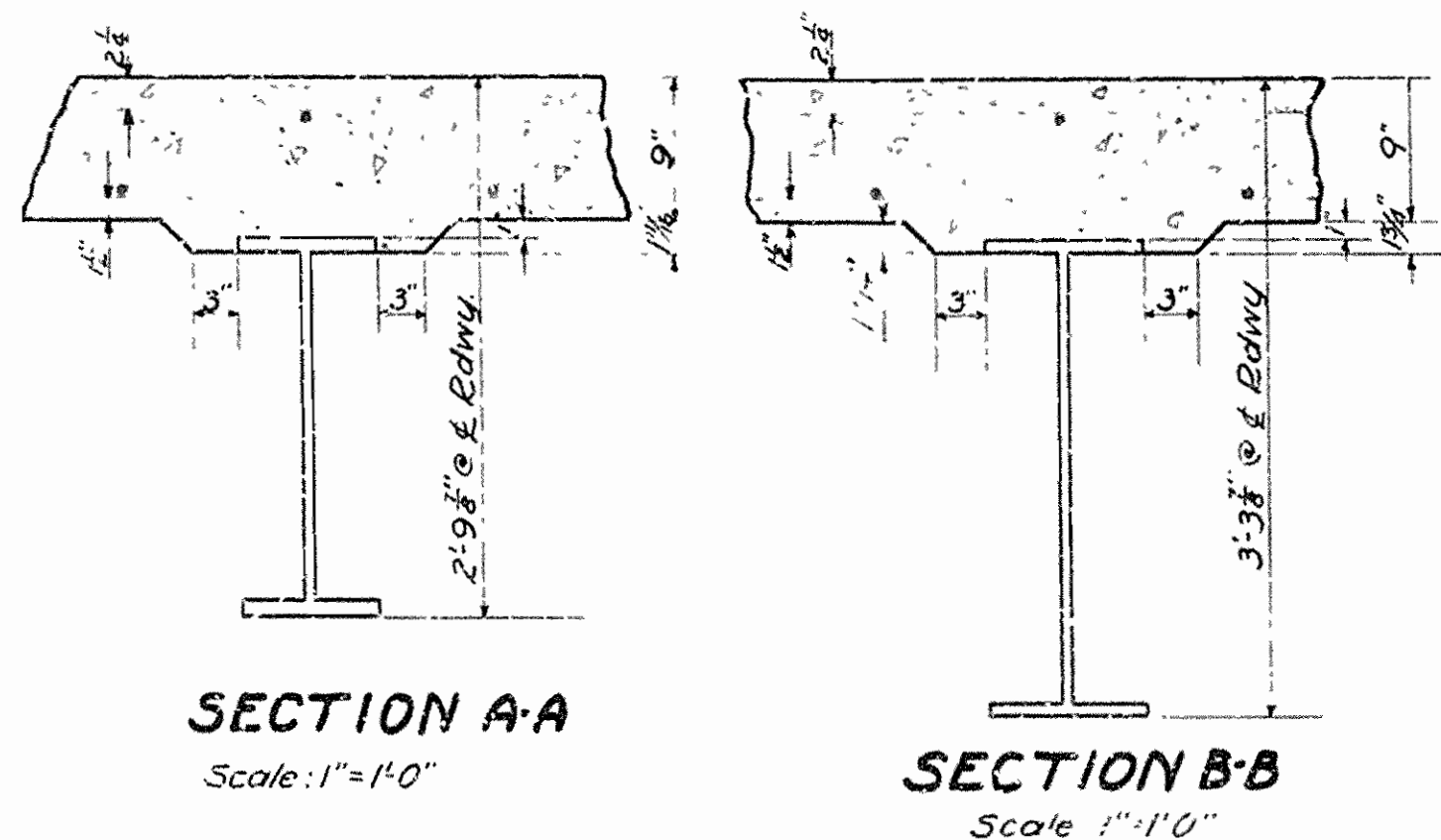
PLAN OF SLABS ON TRUSS SPANS
Scale: 1"=20'0"



SECTION NEAR CENTER OF 110' DECK TRUSS SPANS 4-5-6
Scale: 1/2"=1'0"

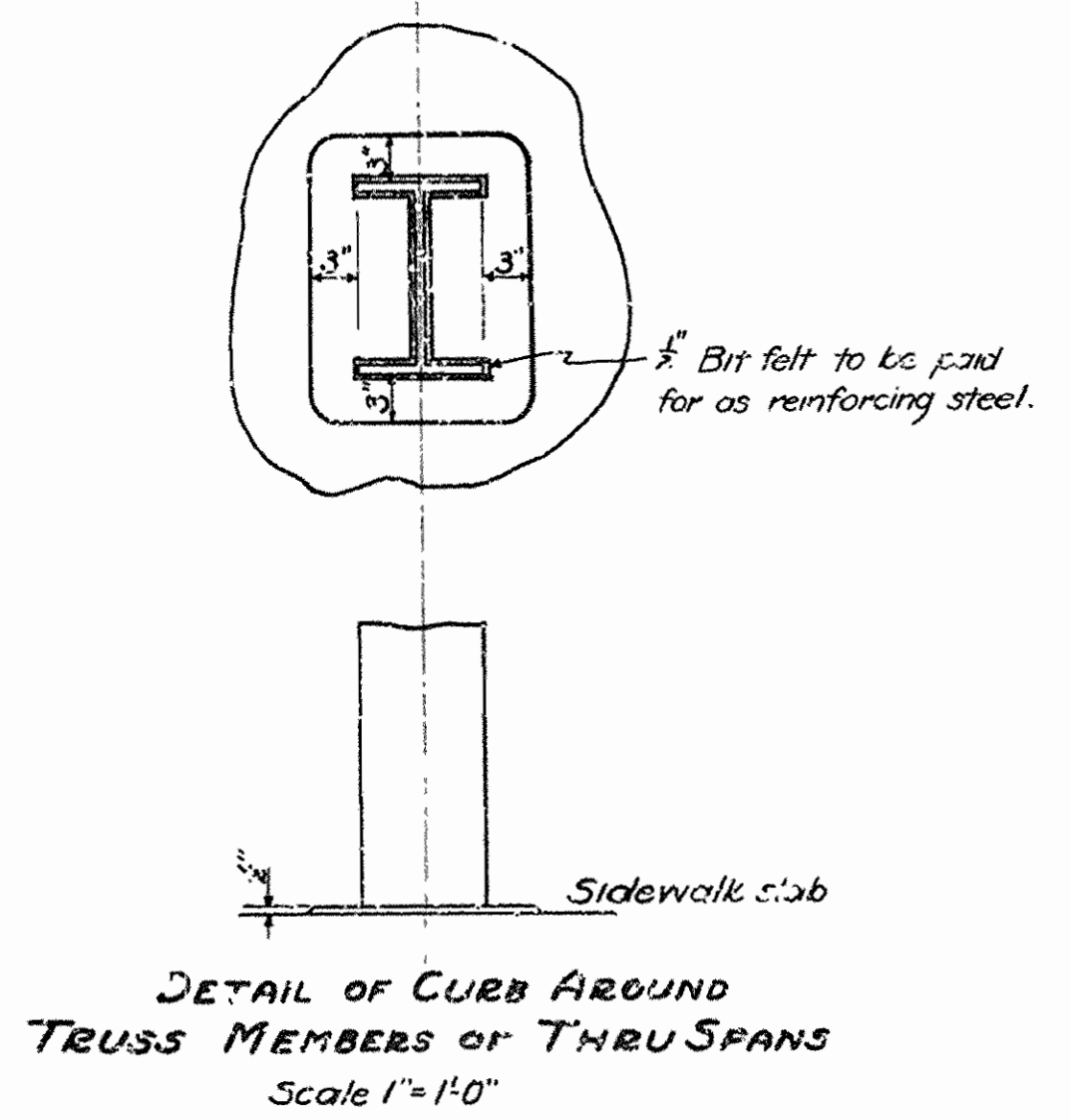


SECTION NEAR CENTER OF 110' LOW TRUSS SPANS 7-8-9
Scale: 1/2"=1'0"



SECTION A-A
Scale: 1"=1'0"

SECTION B-B
Scale: 1"=1'0"



DETAIL OF CURB AROUND TRUSS MEMBERS OF TRUSS SPANS
Scale: 1"=1'0"

BAR LIST

MARK	SIZE	LENGTH	A	Spans	DIAGRAM	
S1	3/8"	37'-6"	37'-1"	4		
S2	3/8"	22'-6"	22'-4"	4		
S3	3/8"	37'-4"	36'-11"	All		
S4	3/8"	22'-2"	21'-11"	All		
S5	3/8"	38'-2"	37'-9"	6		
S6	3/8"	23'-2"	22'-9"	6		
S7	3/8"	36'-6"	36'-1"	7		
S8	3/8"	21'-6"	21'-1"	7		B
S9	3/8"	24'-9"	2'-2"	All		
S10	3/8"	24'-7"	2'-2"	All		5'-6"
S11	3/8"	25'-6"	1'-10 1/2"	6		6'-8 1/2"
S12	3/8"	23'-10"	1'-10 1/2"	7	5'-11 1/2"	
S13	3/8"	26'-3"		All		
S14	3/8"	36'-7"		All		
S15	3/8"	42'-6"		All		
S16	3/8"	22'-6"		All		
S17	1/2"	26'-3"	4, 5, 6,			
S18	1/2"	24'-9"	7, 8, 9,			
S19	1/2"	6'-0"	4, 5, 6,			
S20	3/8"	4'-1"	7, 8, 9,			
S21	3/8"	8'-1"	7, 8, 9,			
S22	3/8"	28'-9"	All			
S23	3/8"	32'-6"	All			
S24	1/2"	28'-3"	4, 5, 6,			
S25	1/2"	26'-9"	7, 8, 9,			

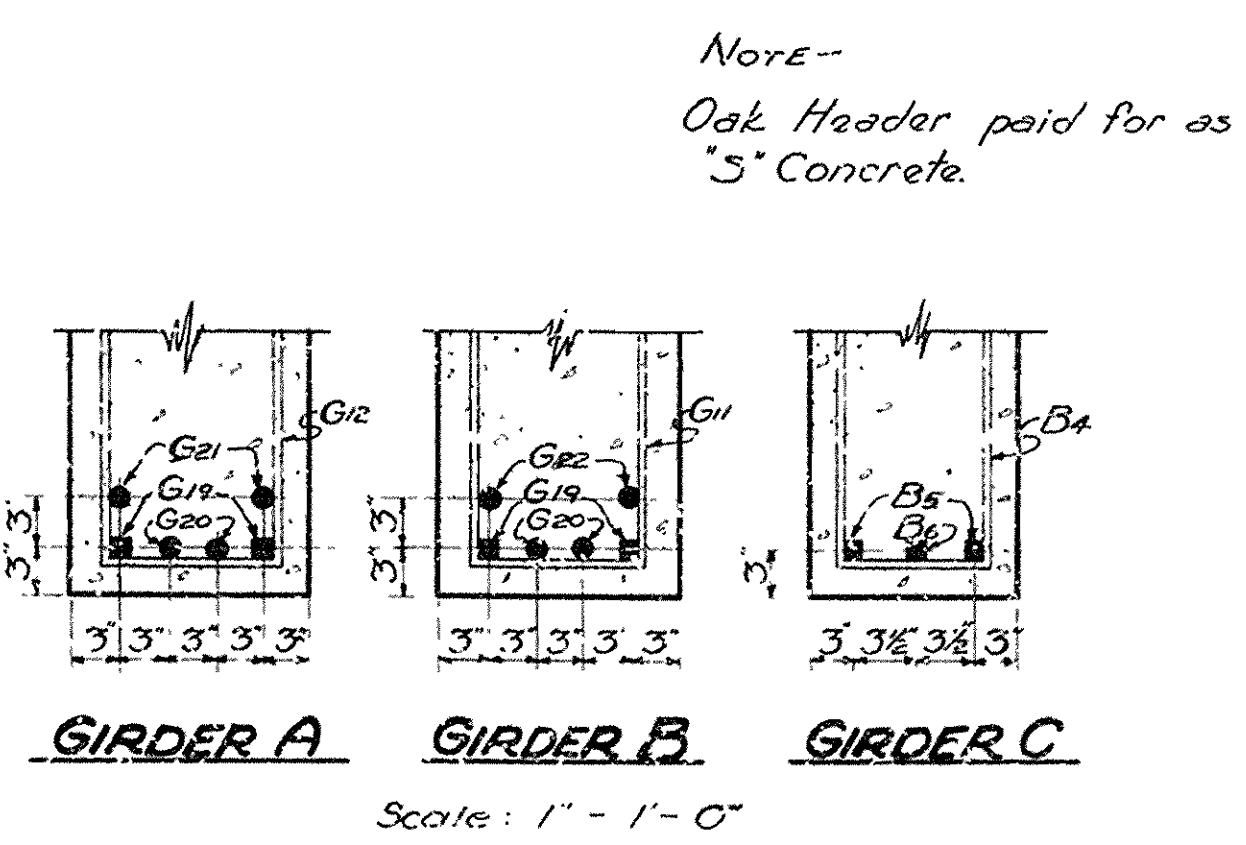
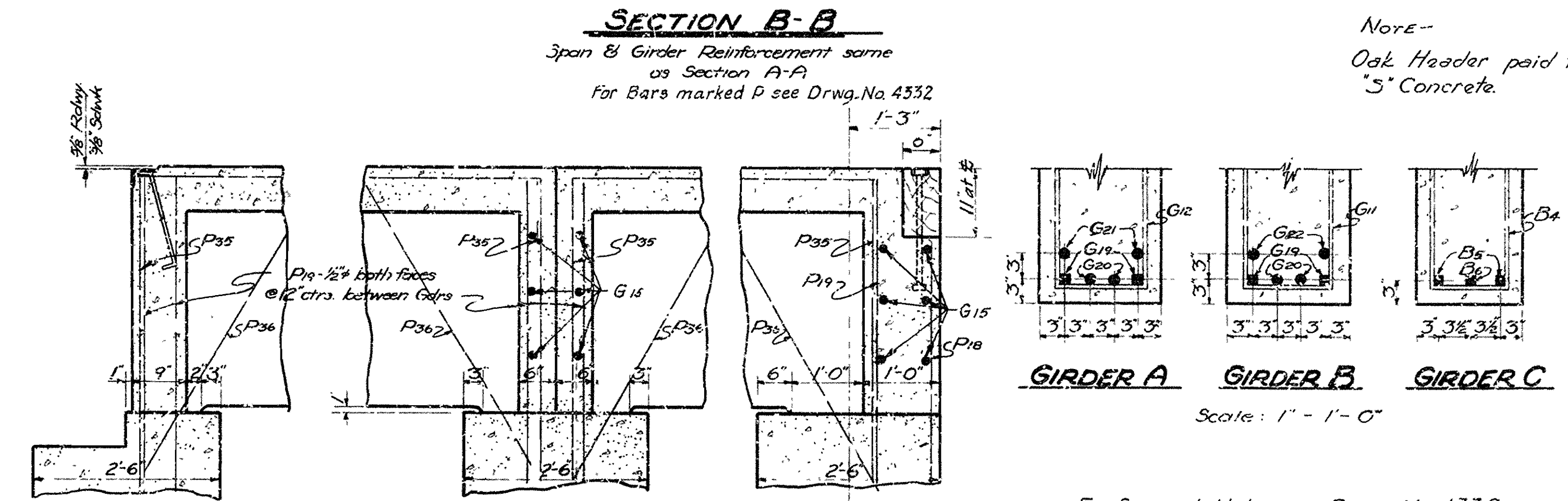
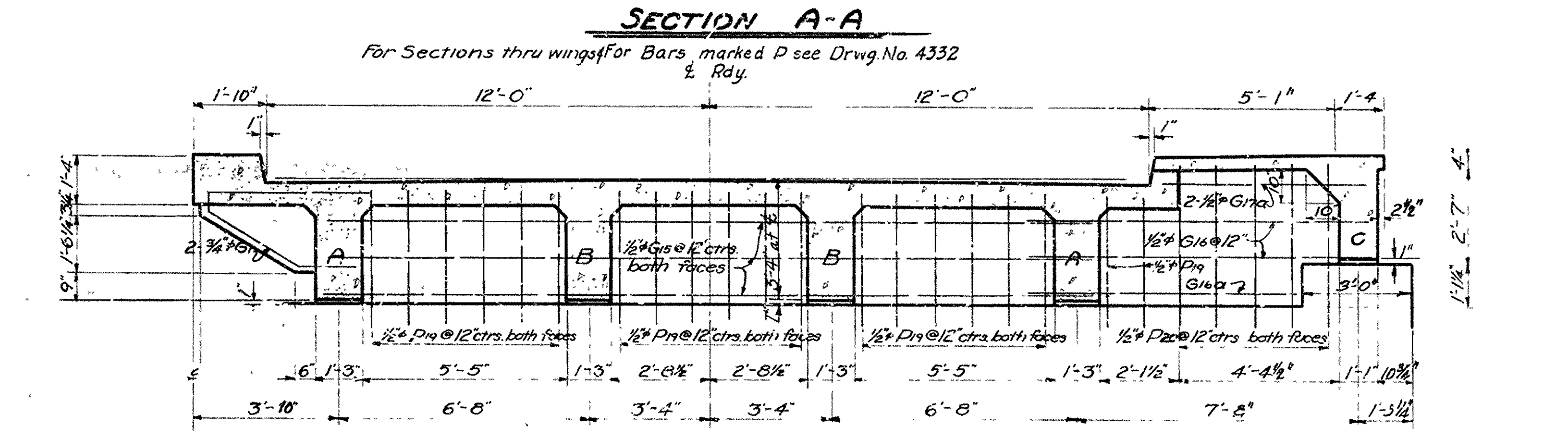
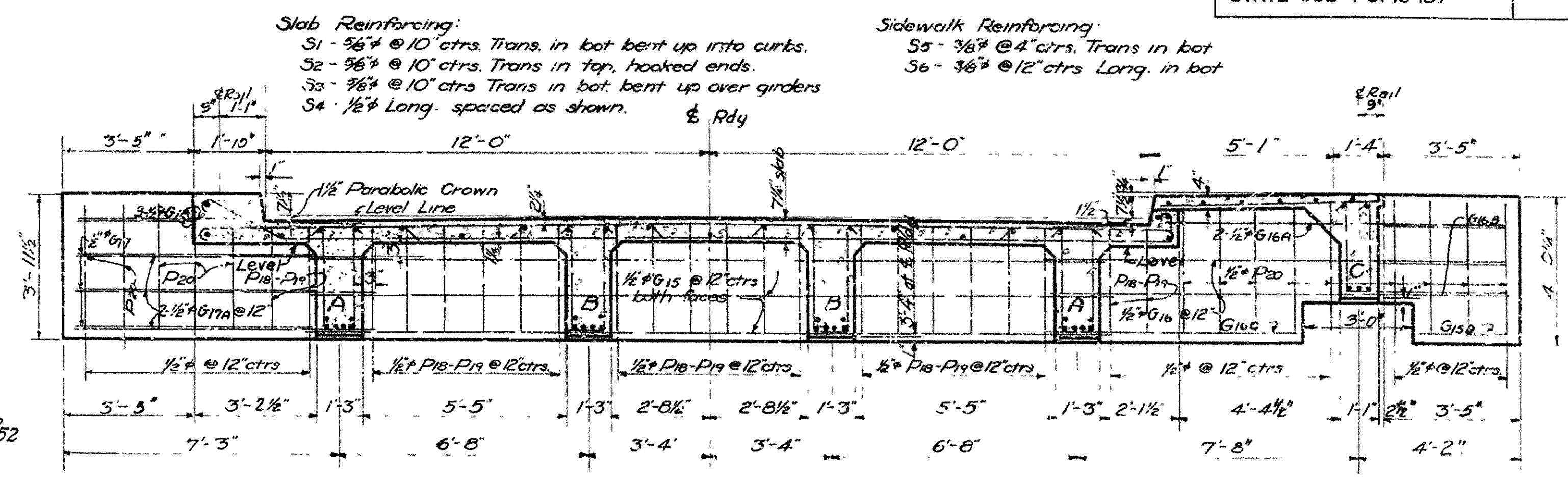
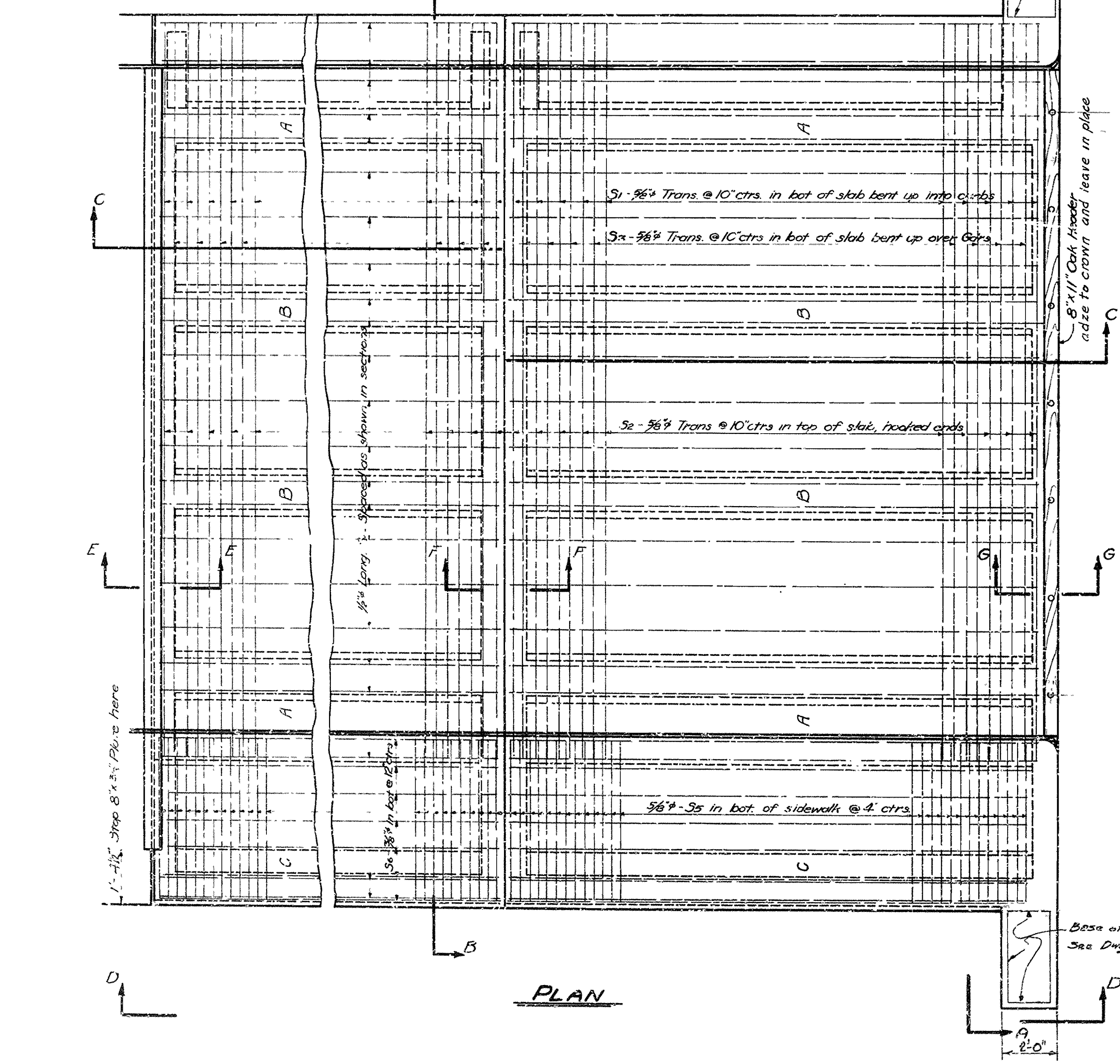
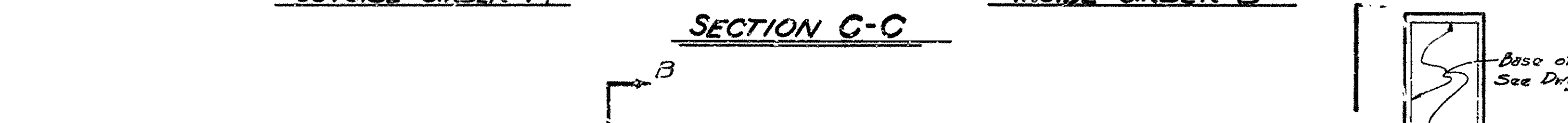
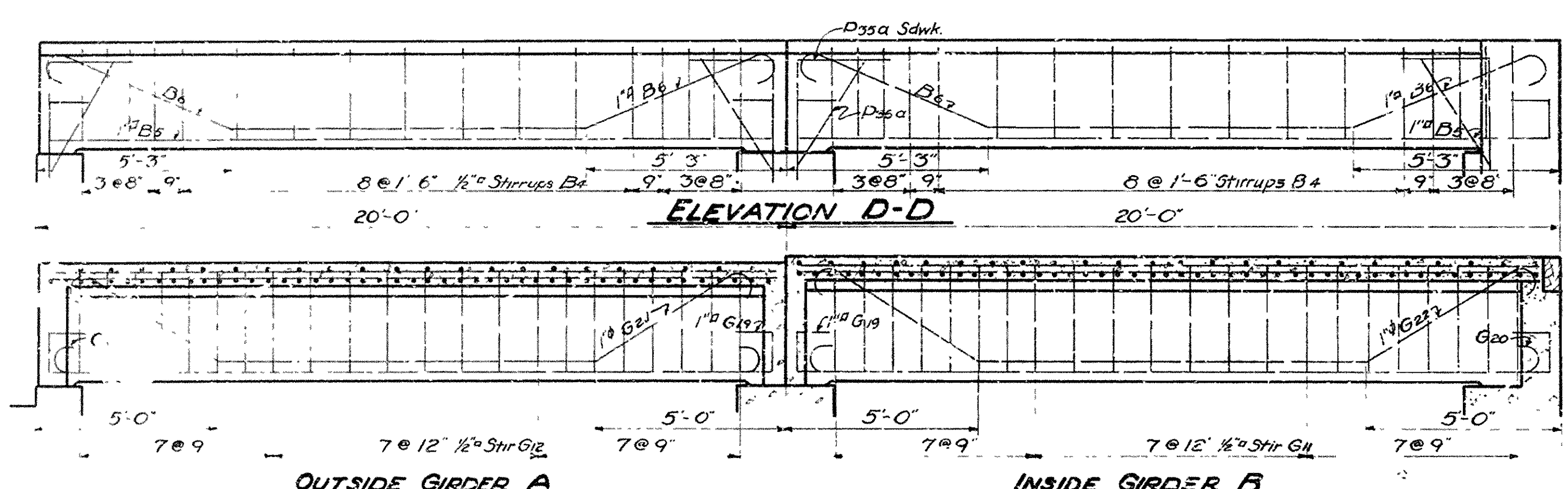
Note: For General Notes on Concrete Work see Drwg. No. 4339

Revised Dimensions on Slabs
4-2-36, 8-2-36

M.B. Larver
BRIDGE ENGINEER

DETAILS OF
SLABS ON TRUSS SPANS
OVERPASS OVER ST.L.S.F. R.Y.
IMBODEN, ARKANSAS
LAWRENCE - RANDOLPH COUNTIES
ROUTE 62 SEC. 18A & 18
ARIZONA STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.
Drawn By: H.N.D. Date: 1-10-36
Traced By: C.W.B. Date: 1-14-36
Checked By: M.W.A. Date: 1-24-36
BRIDGE NO. 1924
Scale: as noted
DRAWING NO. 4349

FED. ROAD DIST. NO.	STATE	U.S.W.P.G.C. PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.	W.B.G.M. A17A W.B.G.H. A17-A		27	52
STATE JOB NO. 10-187				25	24



Mark	Size	Length	A	B	C	D	Bending Schedule
G19	1"	23'-3"	19'-5"	1'-0"			
B5	1"	23'-3"	19'-5"	1'-0"			
G20	1"	20'-11"	18'-11"	8"			
G21	1"	20'-10"	10'-0"	4'-1"	4'-5"	2'-1"	
G22	1"	21'-4"	10'-0"	4'-3"	4'-8"	2'-3"	
Bb	1"	21'-10"	9'-6"	4'-9"	5'-2"	2'-8"	
P35	3/4"	8'-6"	3'-0"	5'-6"			
P36	3/4"	7'-0"	2'-8"	4'-4"			

For Slab Reinforcing see Drwg. No. 4339
for Stirrups G19-G22 & B5 Bar G1 see Drwg. No. 4339

For General Notes see Drwg. No. 4339
For End Bent see Drwg. No. 4332

**DETAILS OF TOWER SPANS
OVERPASS OVER S.T.L. - SF. R.WY.**
IMBODEN
LAWRENCE & RANDOLPH COUNTIES
ROUTE 62 SEC. 18-A & 13
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

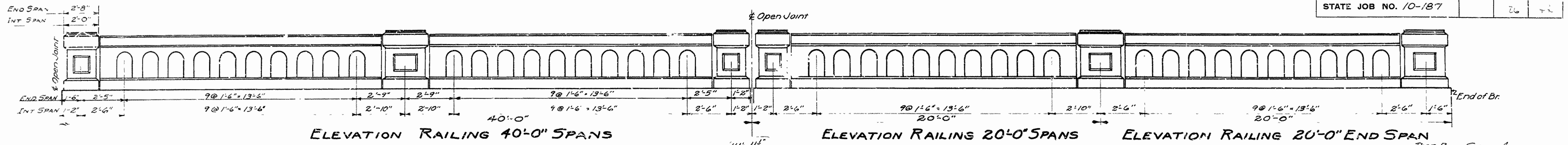
Drawn By: M.R. Date: 12-7-35
Traced By: E.R.B. Date: 12-30-35
Checked By: E.R.W. Date: 1-27-36

Scale: 3/8" = 1'-0"
and as noted

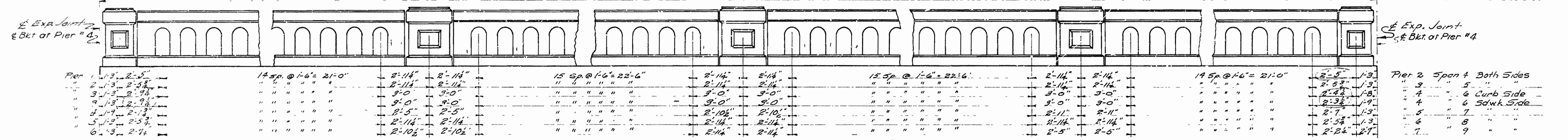
BRIDGE NO. 1984 **DRAWING NO. 4350**

N.B. BARNER
BRIDGE ENGINEER

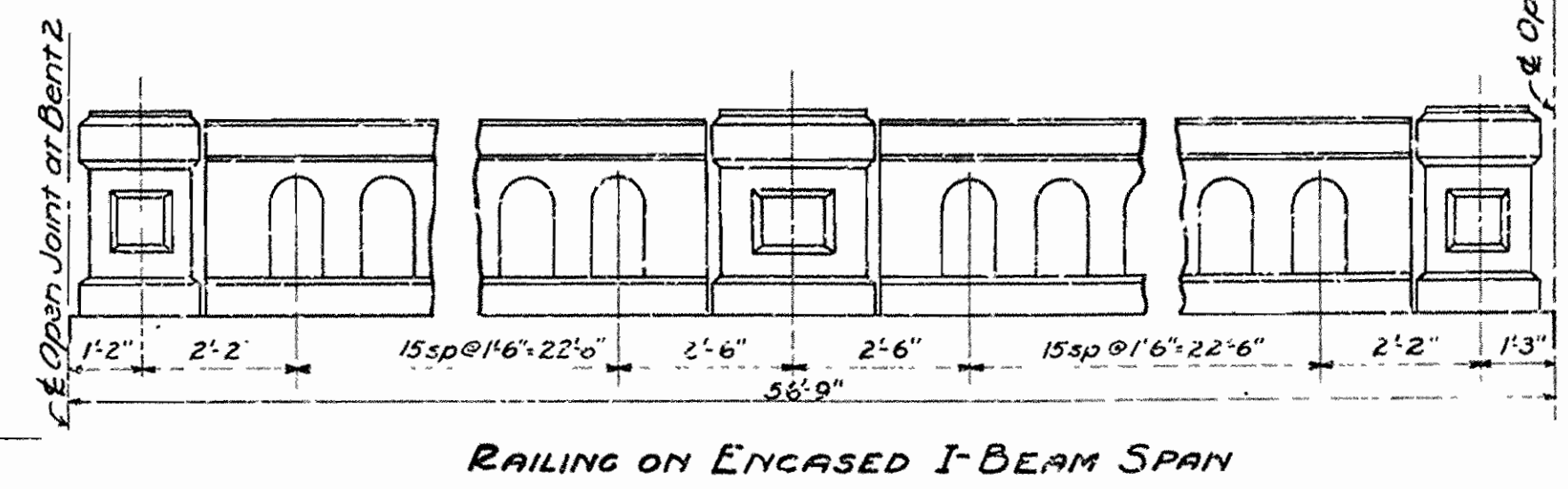
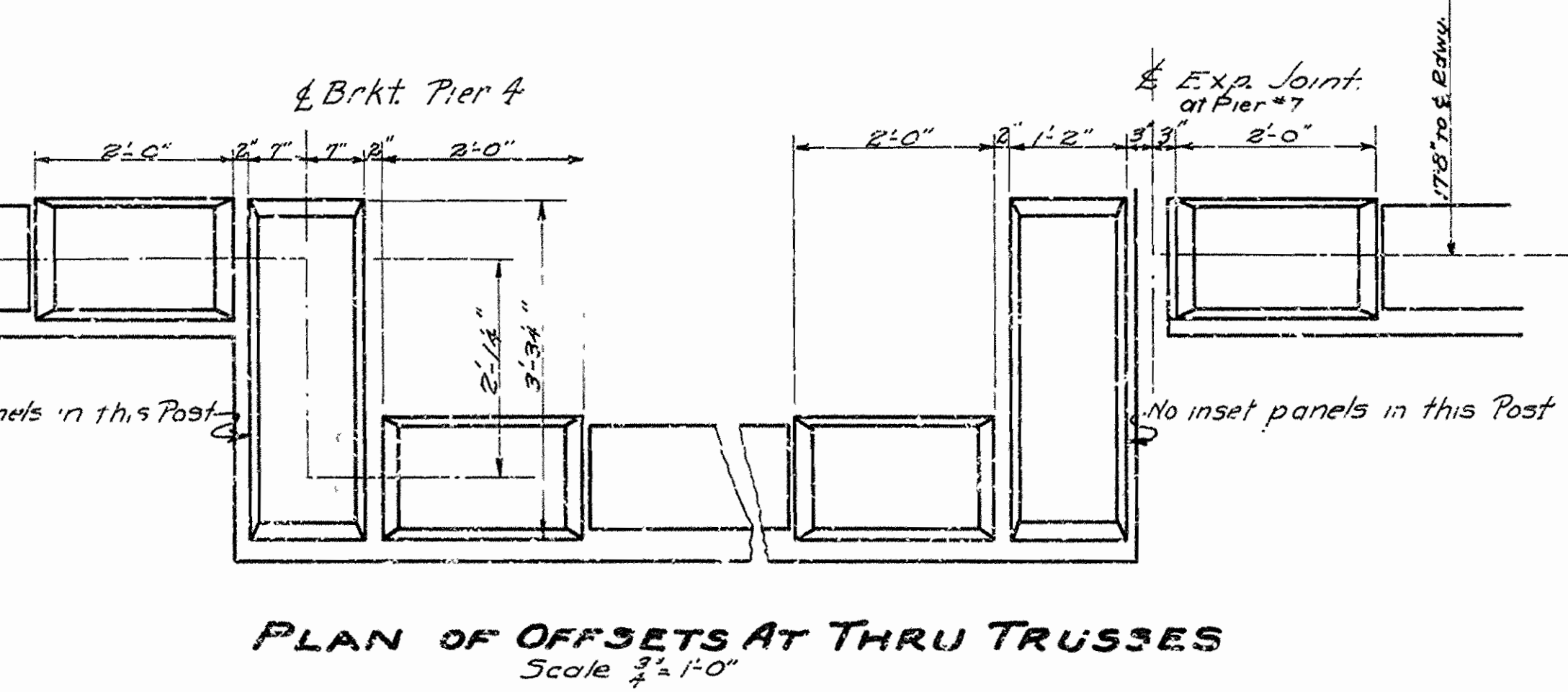
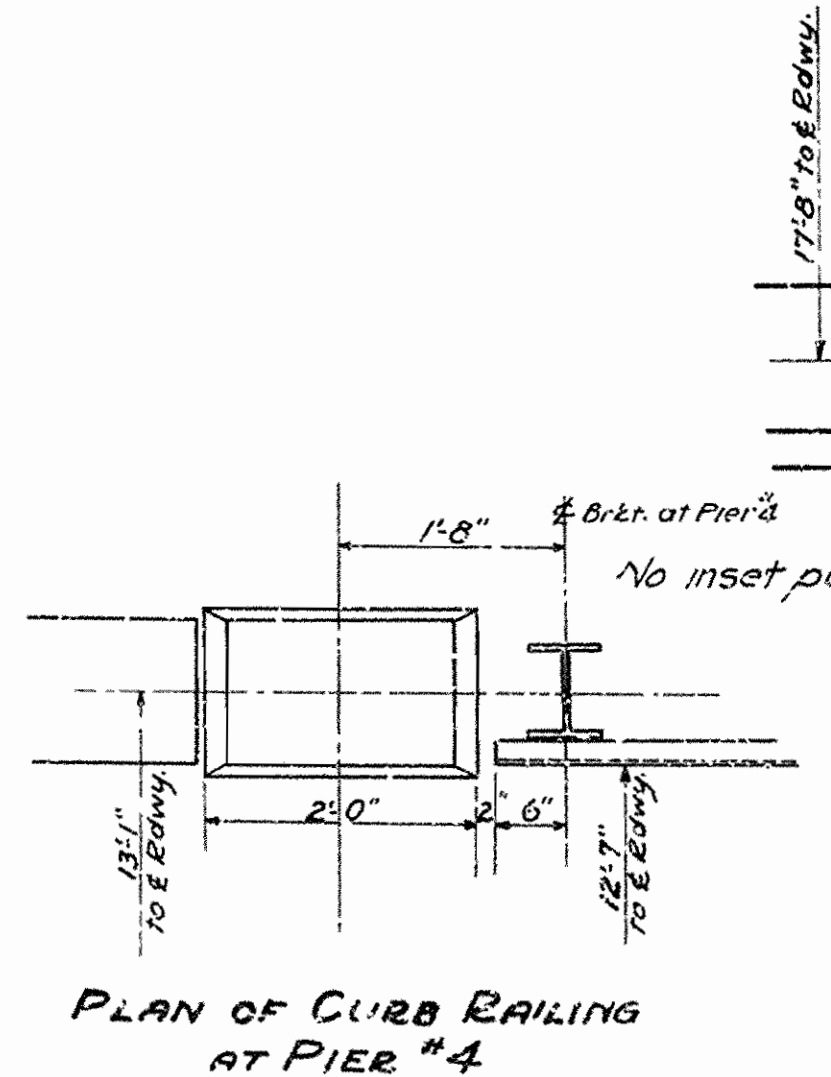
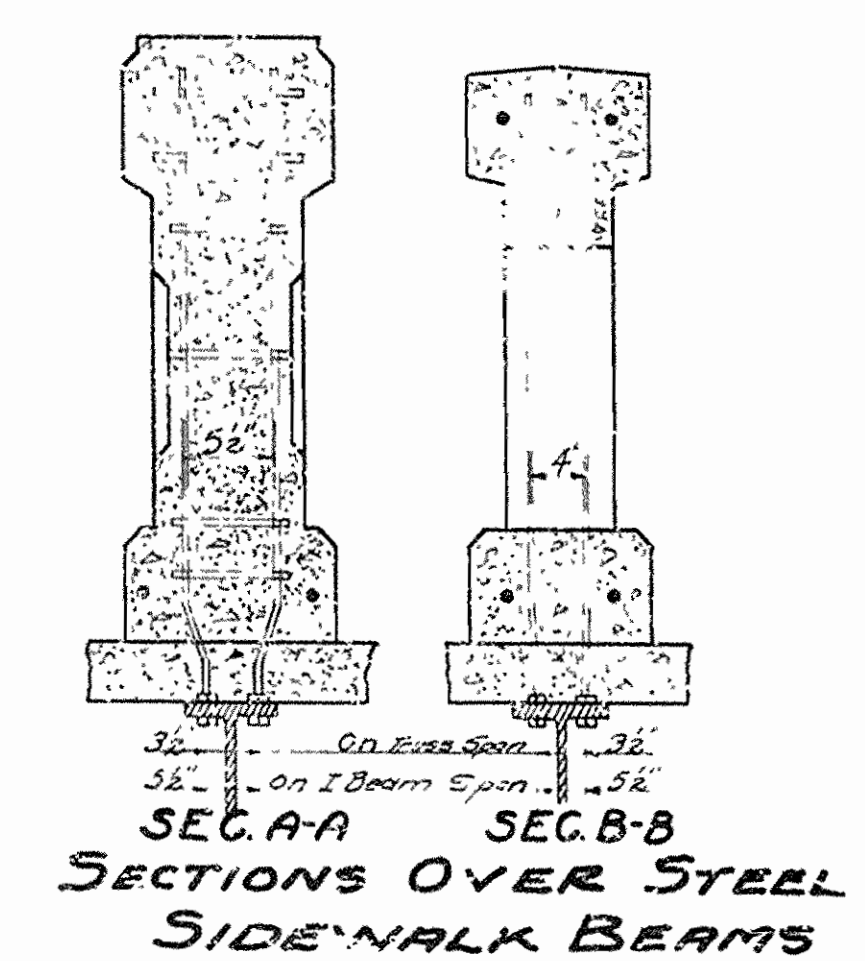
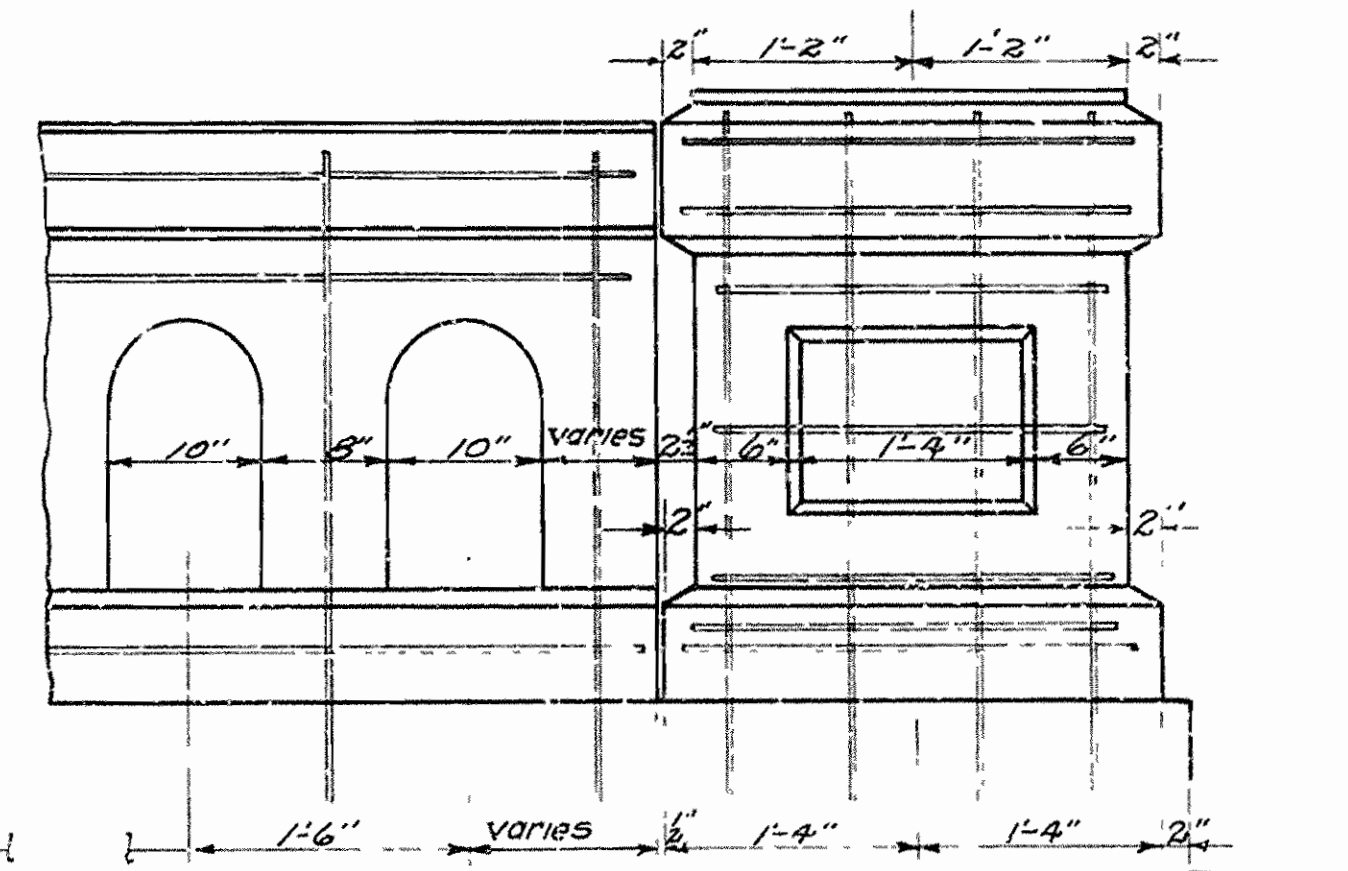
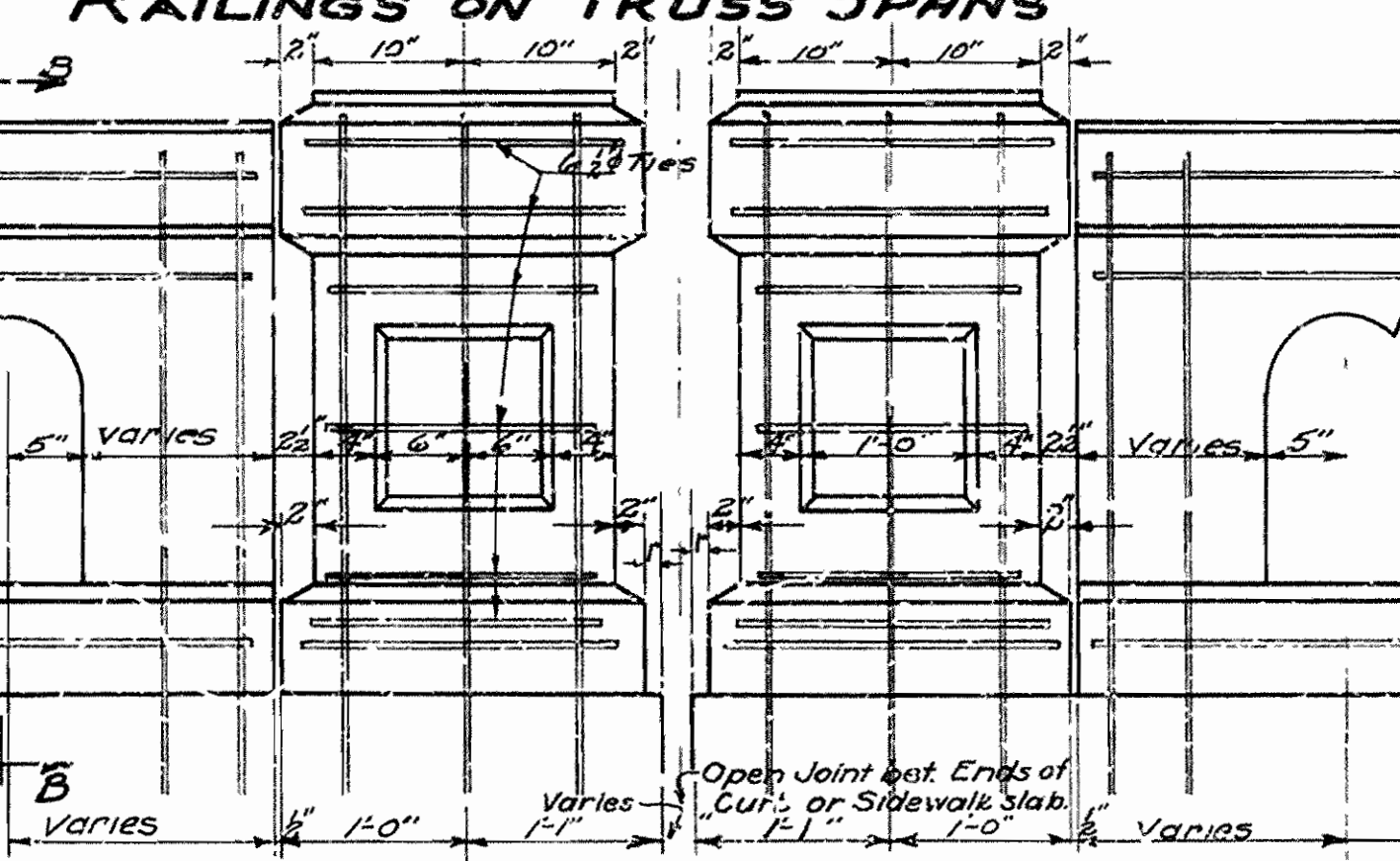
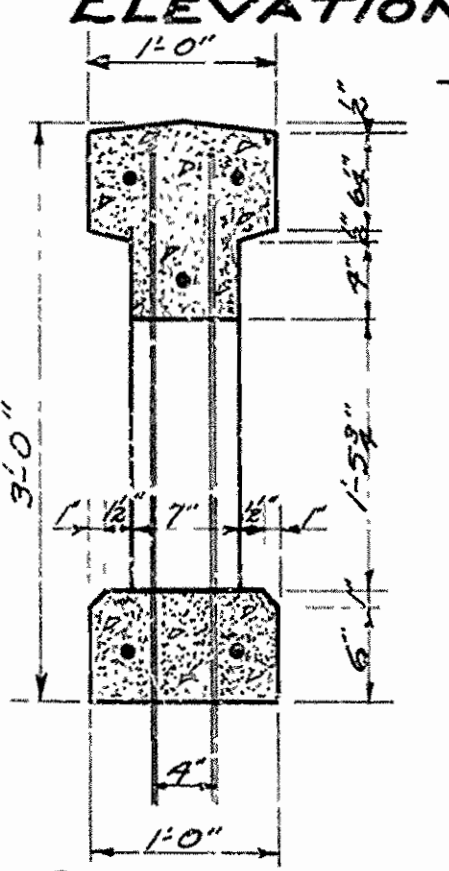
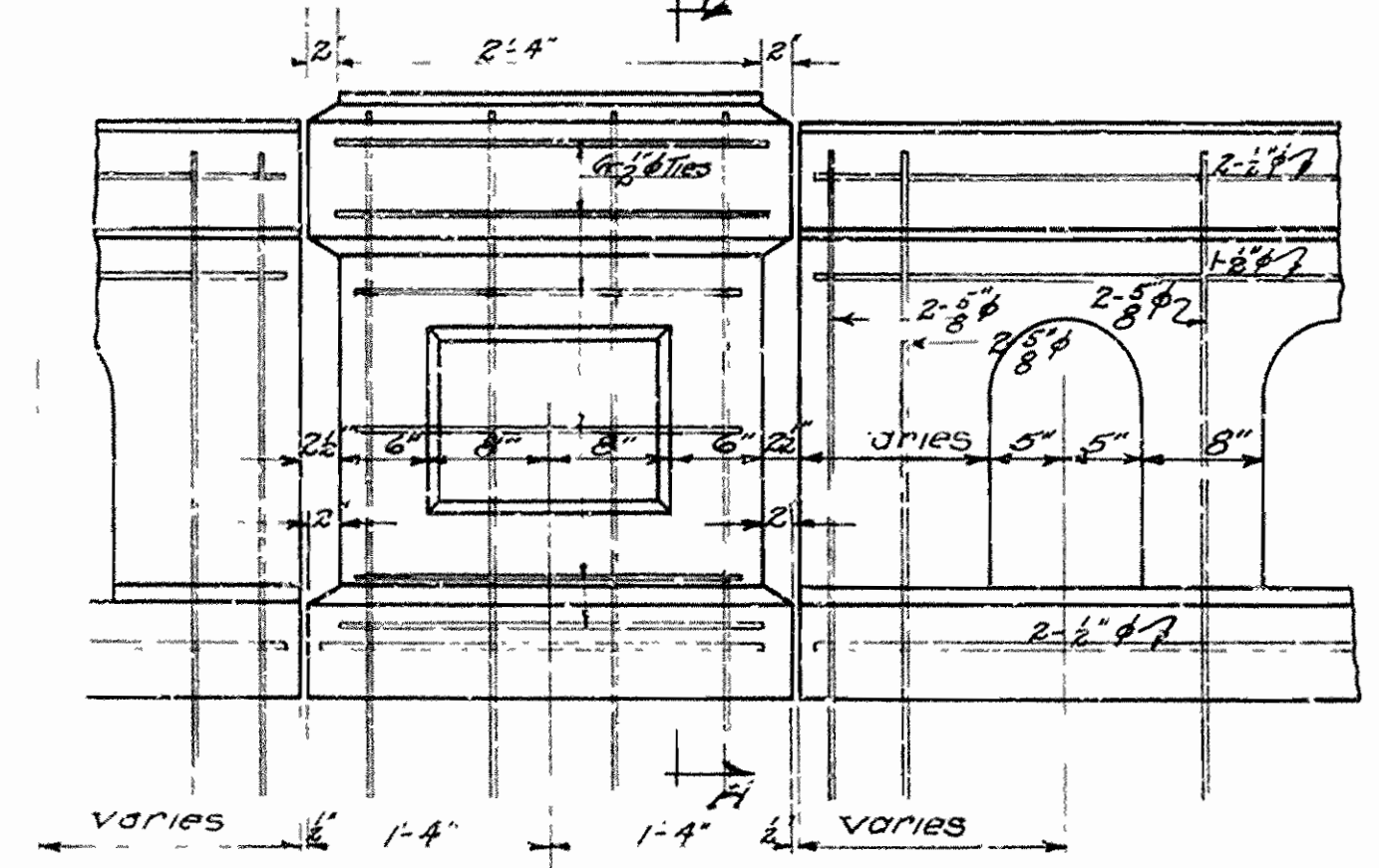
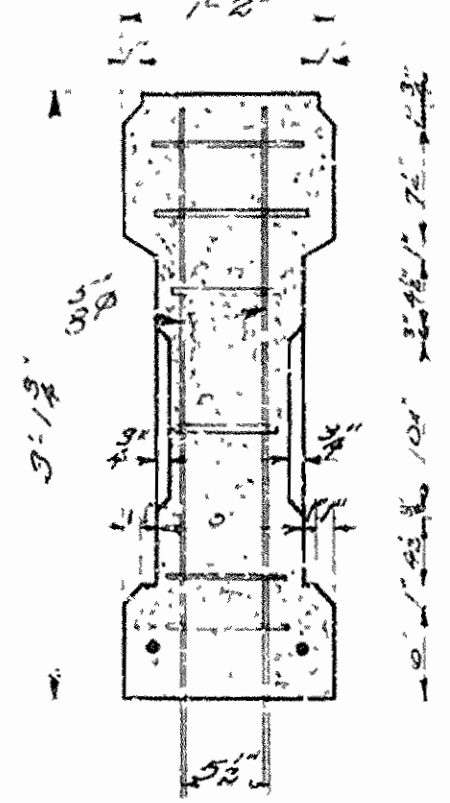
FED. ROAD DIST. NO.	STATE	U.S.W.P.G.G. PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.	WPGM 417A		52	52
STATE JOB NO. 10-187				26	72



Pier 2	Span 4
" 3	" 5
" 4	" 6
" 5	" 7
" 6	" 8
" 7	" 9



Pier 2	Span 4	Both Sides
" 3	" 5	"
" 4	" 6	Curb Side
" 5	" 7	Sdwk Side
" 6	" 8	"
" 7	" 9	"



DETAILS OF RAILING
OVERPASS OVER ST. L. - S.F. RY.
IMBODEN, ARK.
LAWRENCE & RANDOLPH COS.
ROUTE 62 SEC. 18-A & 18
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

Hand rail Spacing
Spans 4 & 6 - 24" - 7-8-36

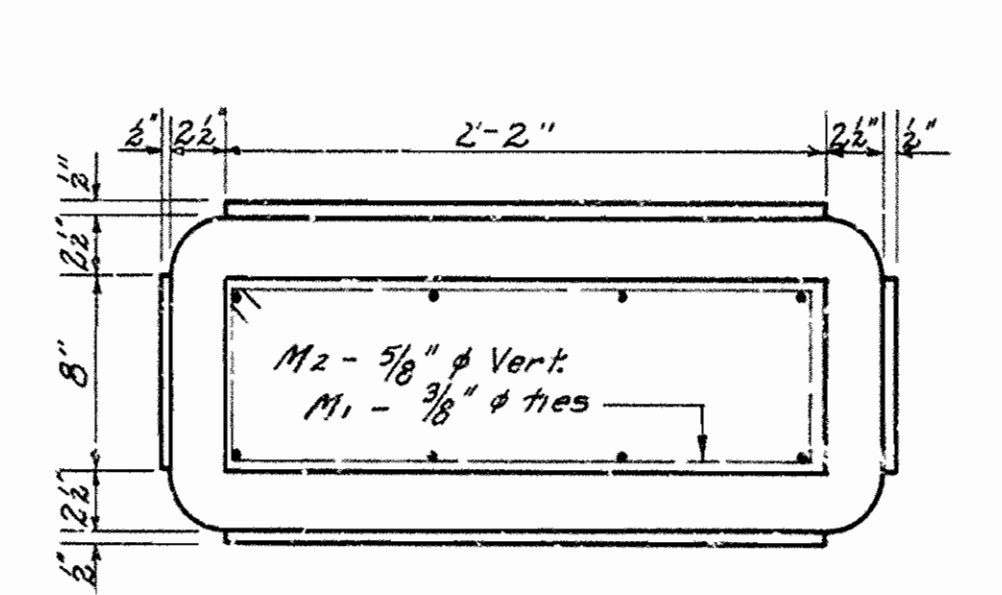
Drawn By: *DR* Date: 2-12-36
Traced By: *WJ* Date: 2-12-36
Checked By: *EAW* Date: 2-5-36

Scale: 1/4" = 1'-0"
2 cc noted

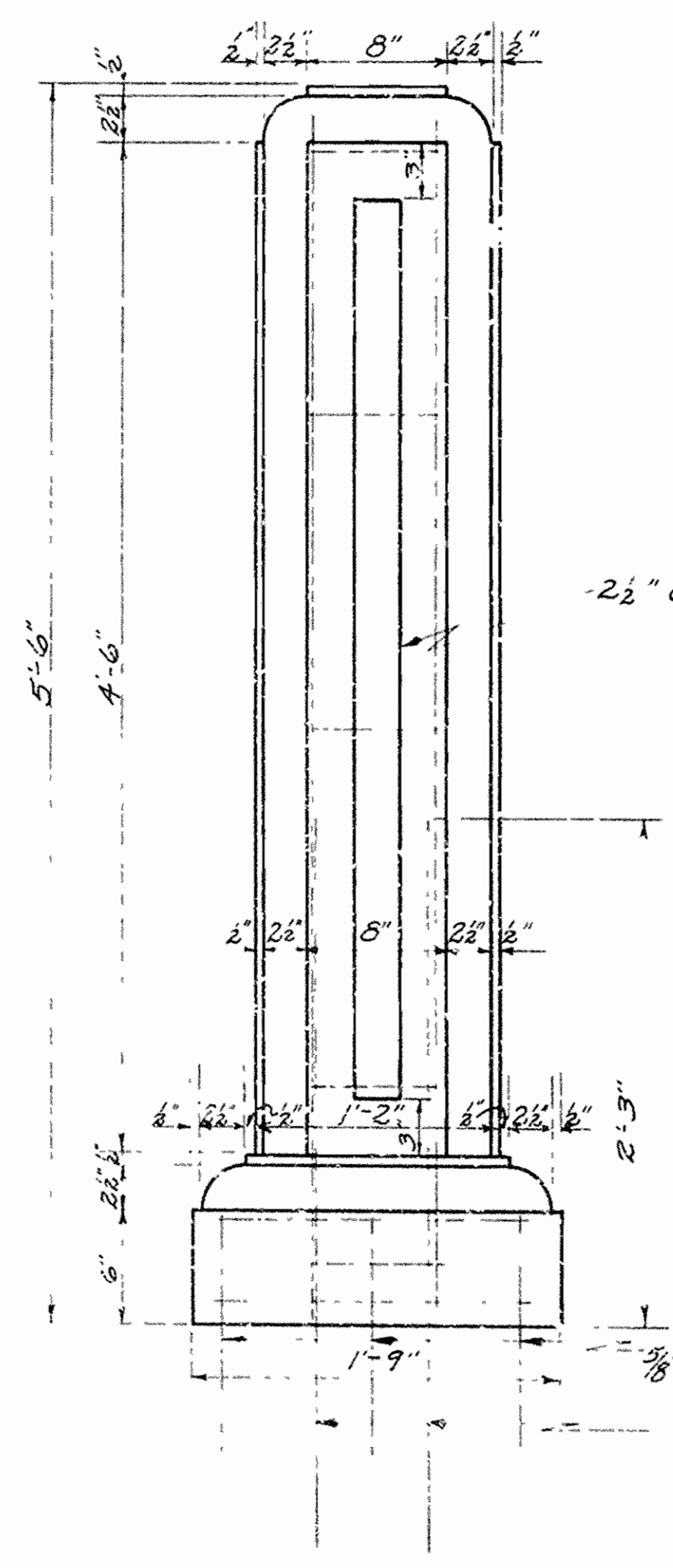
N. B. Barber
BRIDGE ENGINEER

BRIDGE NO. 1784 DRAWING NO. 4351

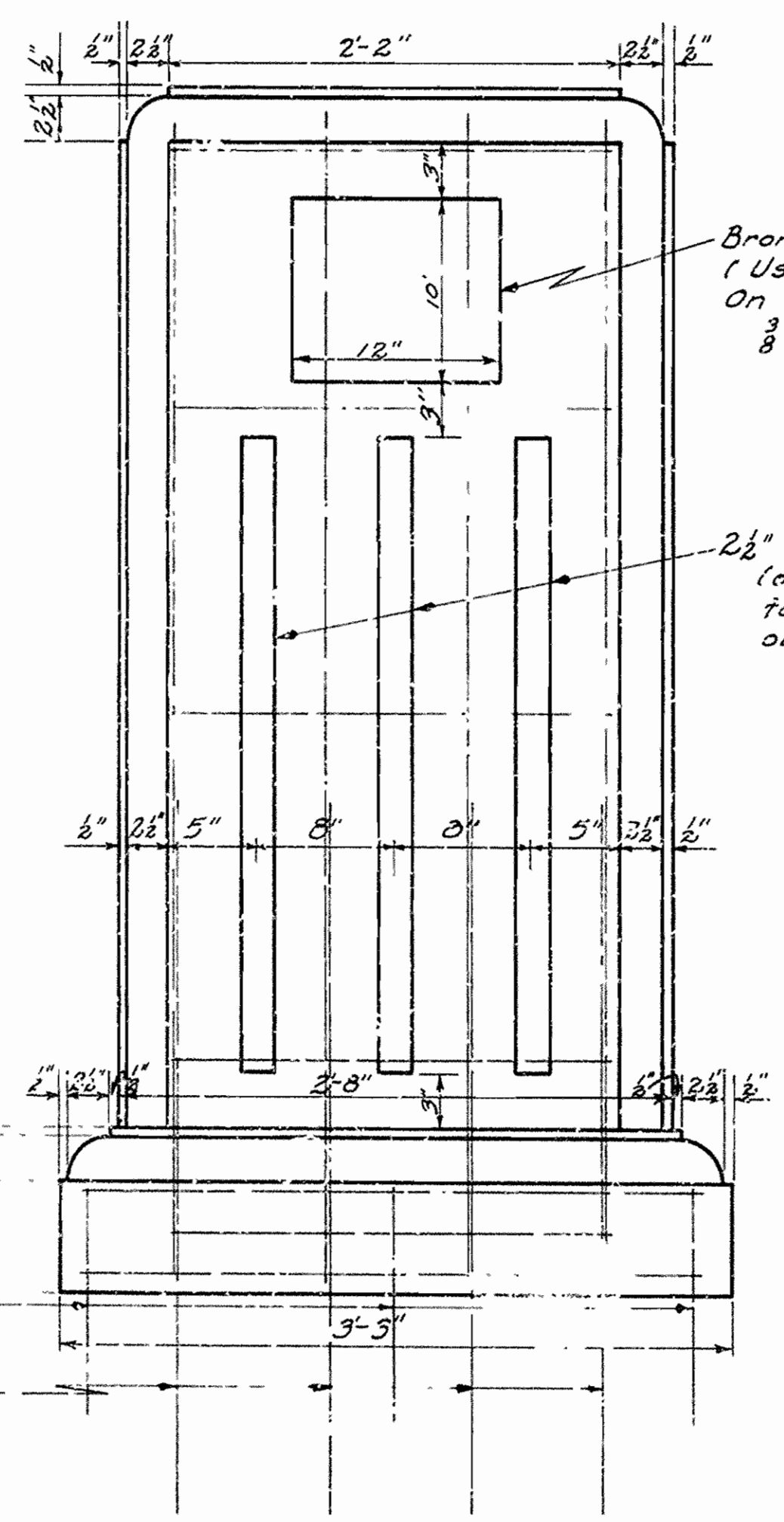
FED. ROAD DIST. NO.	STATE	USWP&C PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.	WPGM. 417A WPGH. 417A		22	52
STATE JOB NO. 10-187				27	44



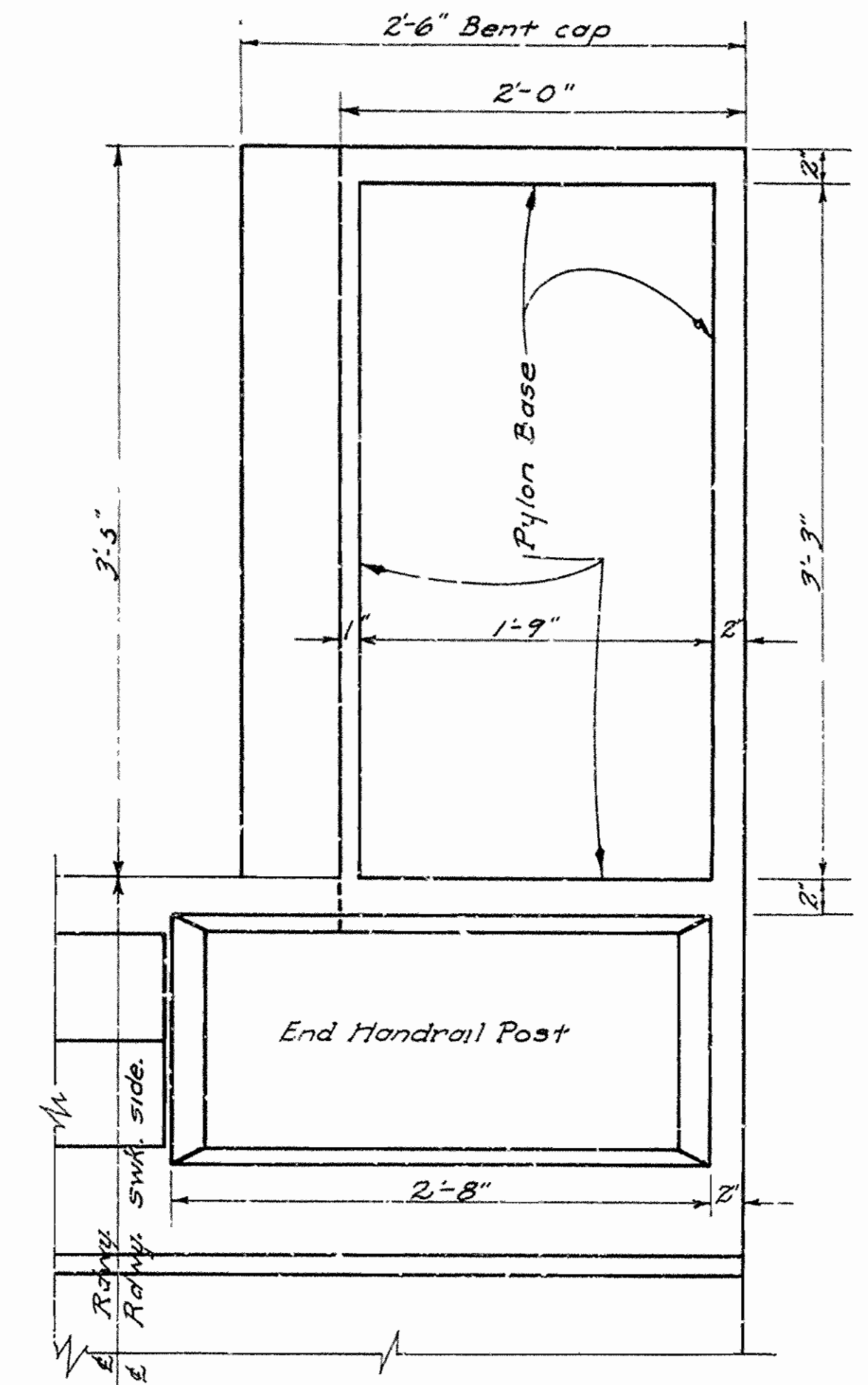
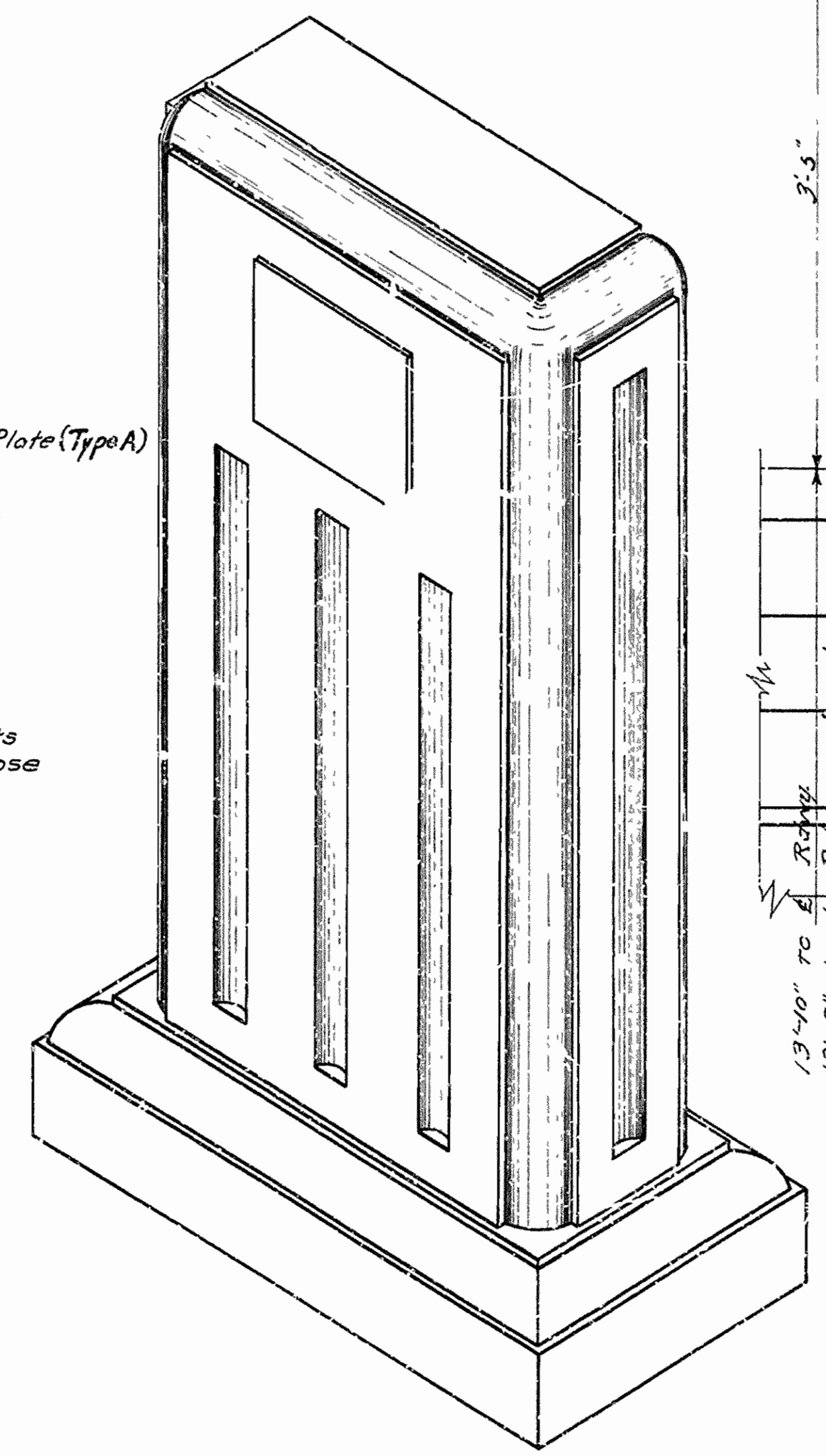
PLAN



END VIEW



FRONT VIEW
4 PYLONS REQUIRED FOR BRIDGE



PLAN SHOWING
LOCATION OF PYLON
AT BENT 9

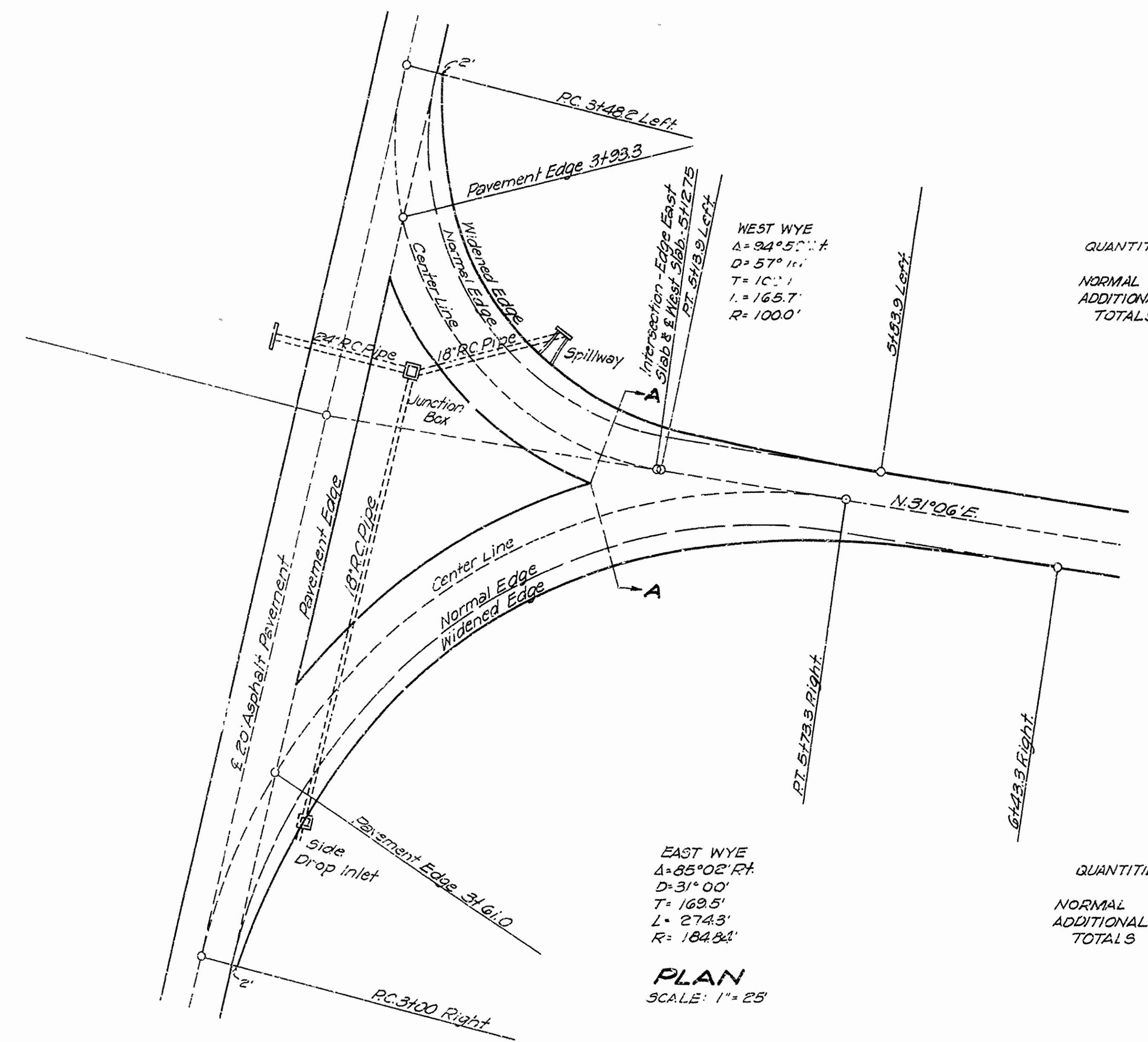
PYLON SIMILAR ON SWK. SIDE
FOR PYLONS ON ABUTMENT SEE DRWG.
No. 4329

Mark	Size	Length	A	B	Bending Diagram
M1	3/8"	6'-1"	2'-1"	7 1/2"	
M3	3/8"	9'-7"	2'-10"	1'-7"	

DETAILS OF PYLONS
OVER PASS OVER ST. L. & S. F. RY.
IMBODEN
LAWRENCE & RANDOLPH COS.
ROUTE 62 SEC. 18A & 18
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.
Drawn By: *BY* Date: 12-22-35
Traced By: *alg* Date: 1-2-36
Checked By: _____ Date: _____
Scale: 1/2" = 1' n.
BRIDGE NO. 1984 DRAWING NO. 4352

W. B. Garner
BRIDGE ENGINEER

FED. ROAD DIST. NO.	STATE	US HWY NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.	WUDM 417A		31	52
JOB NO.		10187			42



QUANTITIES - WEST WYE CONNECTION

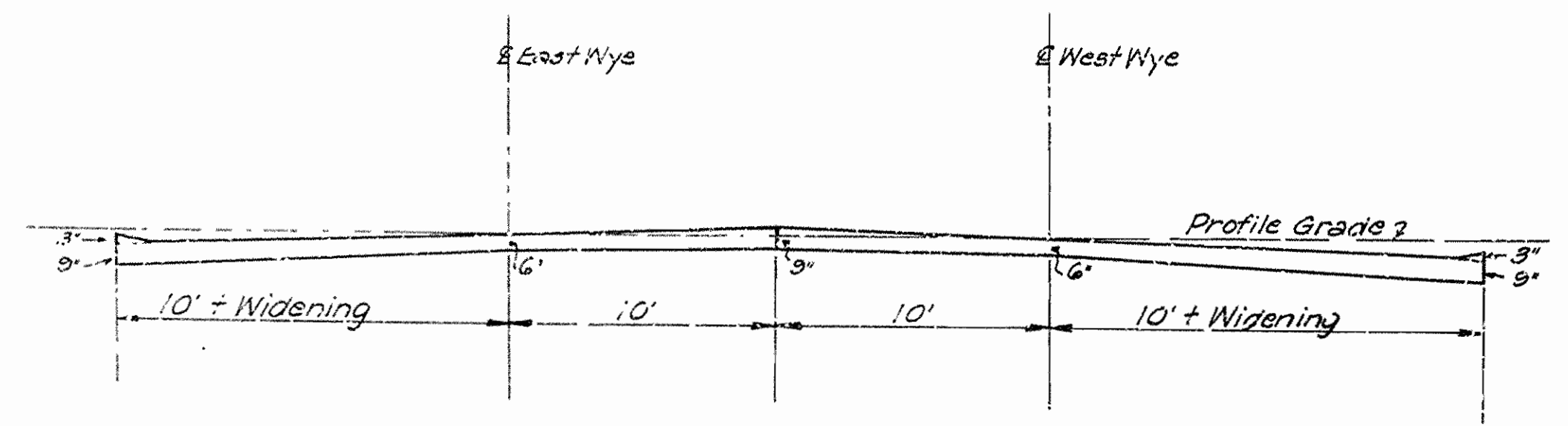
	CONCRETE	STEEL
NORMAL	280.30 SQ.YDS.	1112 POUNDS
ADDITIONAL	97.66 "	431 "
TOTALS	377.96 SQ.YDS.	1543 POUNDS

EAST WYE
 $\Delta = 85^{\circ}02' RT$
 $D = 31^{\circ}00'$
 $T = 169.5'$
 $L = 274.3'$
 $R = 1848.4'$

PLAN
 SCALE: 1" = 25'

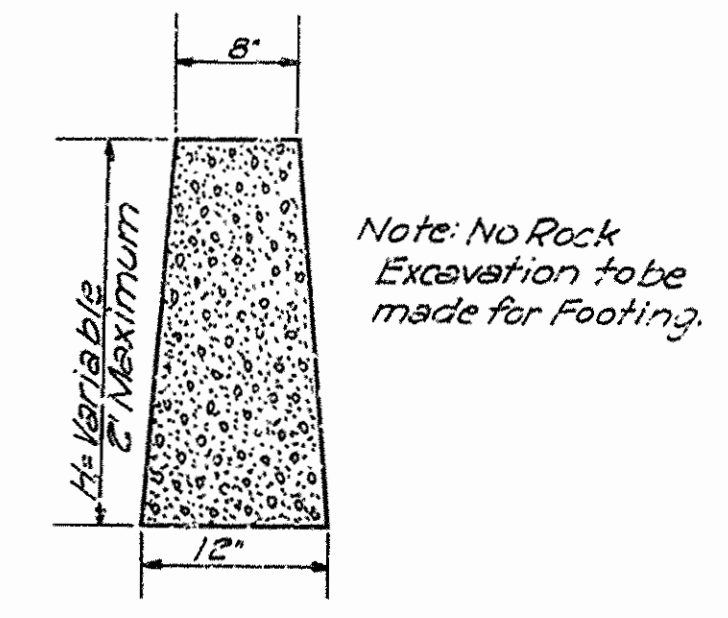
QUANTITIES - EAST WYE CONNECTION

	CONCRETE	STEEL
NORMAL	480.81 SQ.YDS.	1986 POUNDS
ADDITIONAL	165.54 "	730 "
TOTALS	646.35 SQ.YDS.	2716 POUNDS

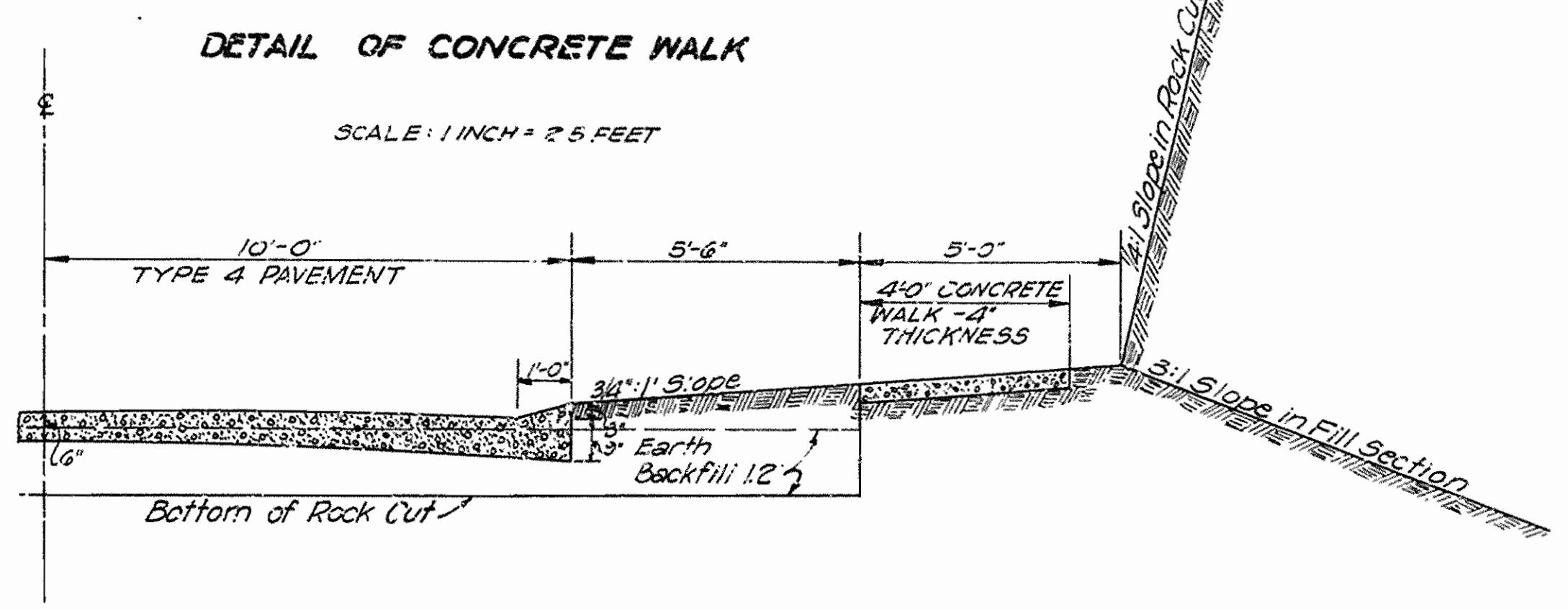


SECTION 'A-A' STATION 4+39.2
 SCALE: 1" = 5'

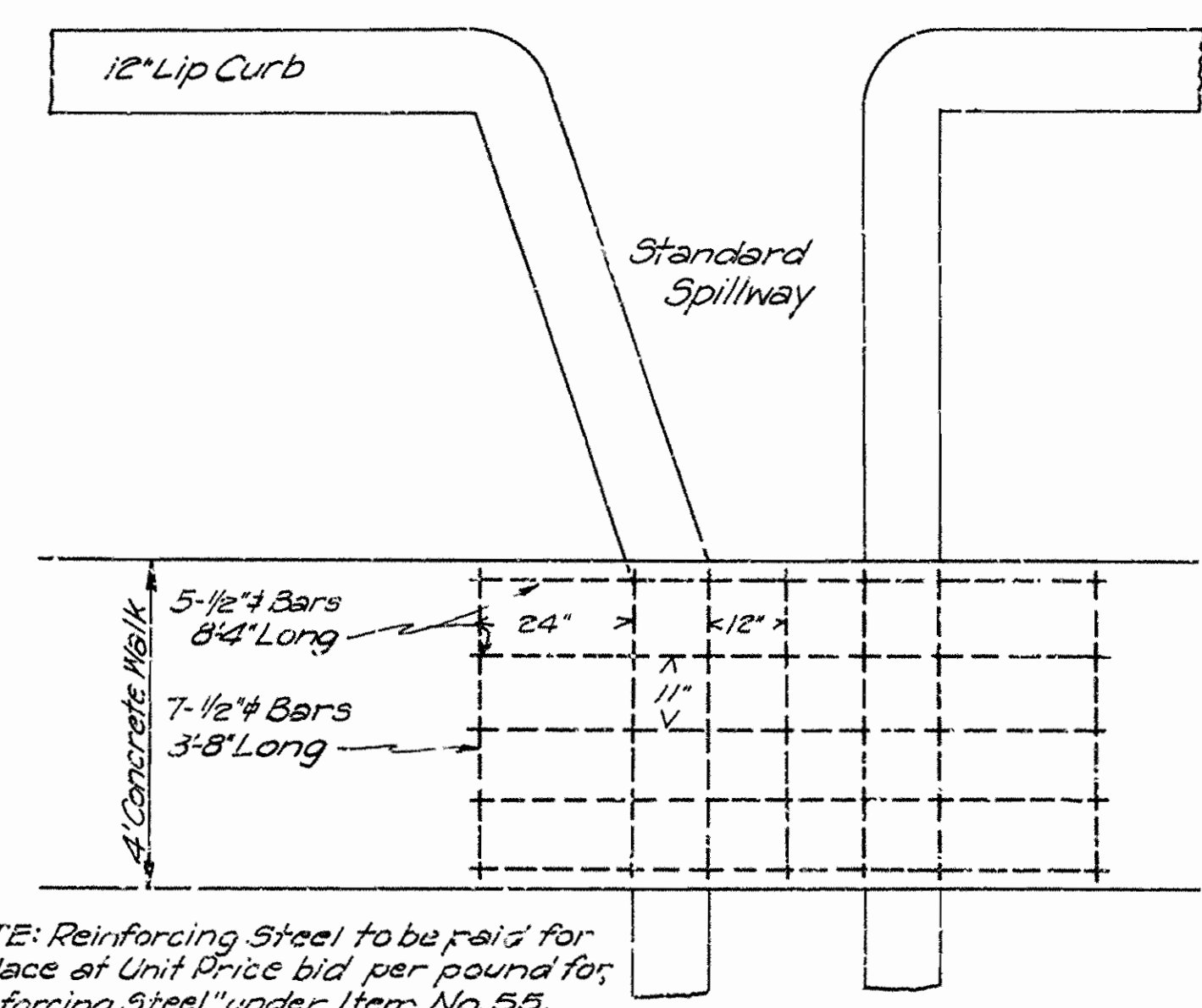
DETAILS OF WYE INTERSECTION AT PI. STATION 4+57.3 - STATION 4+69.5



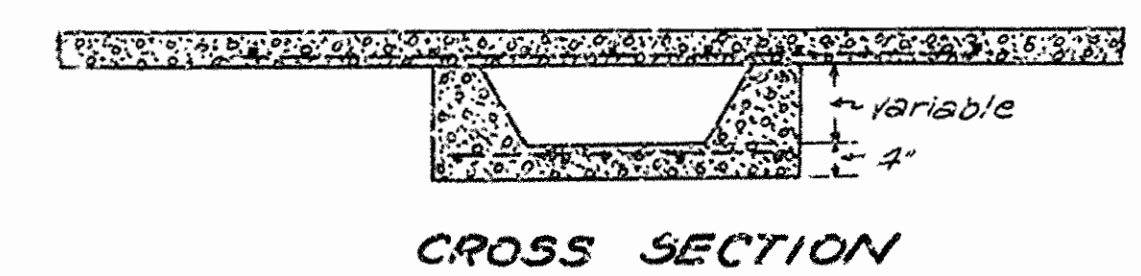
DETAIL OF CONCRETE RETAINING WALL TO BE CONSTRUCTED ON LEFT STA. 3+48 - STA. 3+78 STA. 4+00 - STA. 4+15 (WEST WYE)



DETAILS OF REINFORCING STEEL IN CONCRETE WALK OVER SPILLWAYS AT STATION 9+15 AND STATION 11+10
 SCALE: 1/2" = 1'



NOTE: Reinforcing Steel to be paid for in place at Unit Price bid per pound for "Reinforcing Steel" under Item No. 55.
 QUANTITY
 Reinforcing Steel - 57 Pounds.



SPECIAL DETAILS