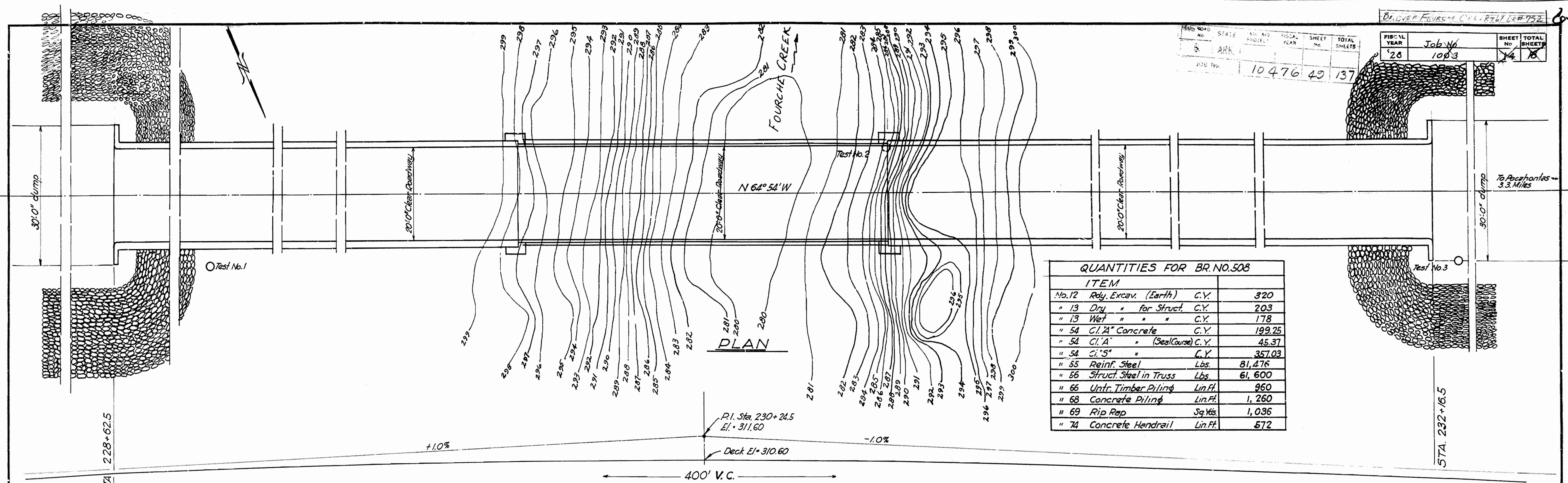




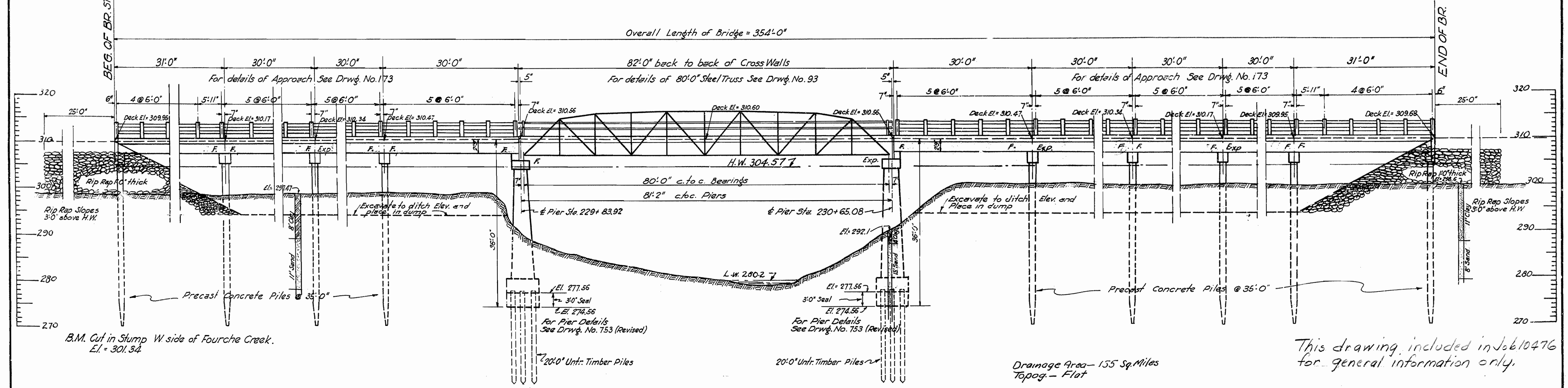


ROAD NO.	STATE	SECTION	LOCAL ROAD	SHEET NO.	TOTAL SHEETS
5	ARK.			137	148
JOB NO. 10476					
FISCAL YEAR 26					
SHEET NO. 1003					
TOTAL SHEETS 148					



**QUANTITIES FOR BR. NO. 508**

ITEM	UNIT	QUANTITY
No. 12 Rdy. Excav. (Earth)	C.Y.	320
" 13 Dry " for Struct.	C.Y.	203
" 13 Wet " " "	C.Y.	178
" 54 C.I. 2" Concrete	C.Y.	199.25
" 54 C.I. 2" (Base Course)	C.Y.	45.37
" 54 C.I. 5" " "	C.Y.	357.03
" 55 Reinf. Steel	Lbs.	81,476
" 56 Struct. Steel in Truss	Lbs.	61,600
" 66 Untr. Timber Piling	Lin. Ft.	960
" 68 Concrete Piling	Lin. Ft.	1,260
" 69 Rip Rap	Sq. Yds.	1,036
" 74 Concrete Handrail	Lin. Ft.	572



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

**ELEVATION**

Drainage Area - 155 Sq. Miles  
Topog. - Flat

This drawing included in Job 10476 for general information only.

**LAYOUT OF  
BRIDGE OVER FOURCHE CREEK.**  
3.3 MILES NE. POGAHONTAS, RANDOLPH CO.  
ROUTE 67 SEC. 21  
**ARKANSAS STATE HIGHWAY DEPARTMENT**  
LITTLE ROCK, ARK.

Drawn By: *E.A.W.* Date: 6-21-28  
Traced By: *E.A.W.* Date: 6-21-28  
Checked By: \_\_\_\_\_ Date: \_\_\_\_\_  
**BRIDGE NO. 508**      **DRAWING NO. 752**

Revised Exp. Joints - 6-28-28 - B.J.C.

*N.B. Bannor*  
BRIDGE ENGINEER

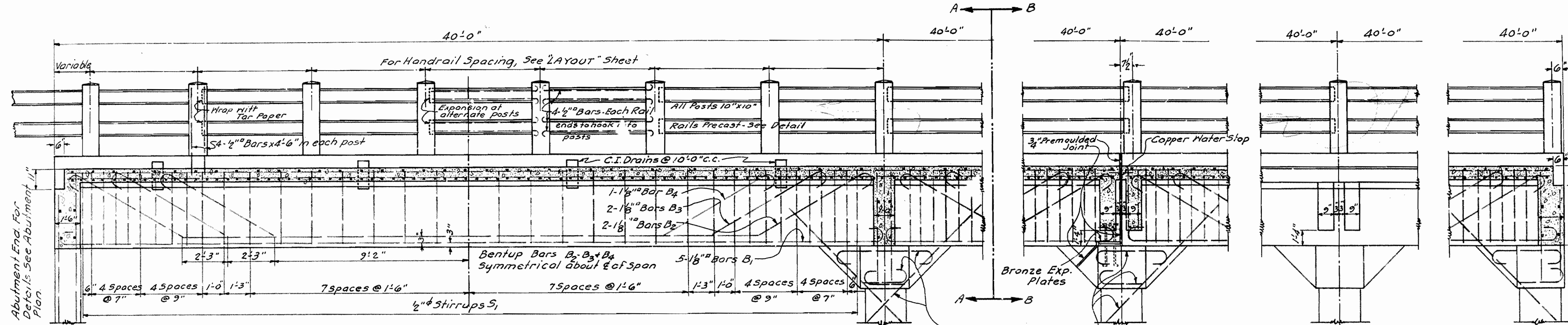
Scale: 1 in. = 10 ft.







FISCAL YEAR	SHEET No.	TOTAL SHEETS
10 476	57	137



LONGITUDINAL SECTION

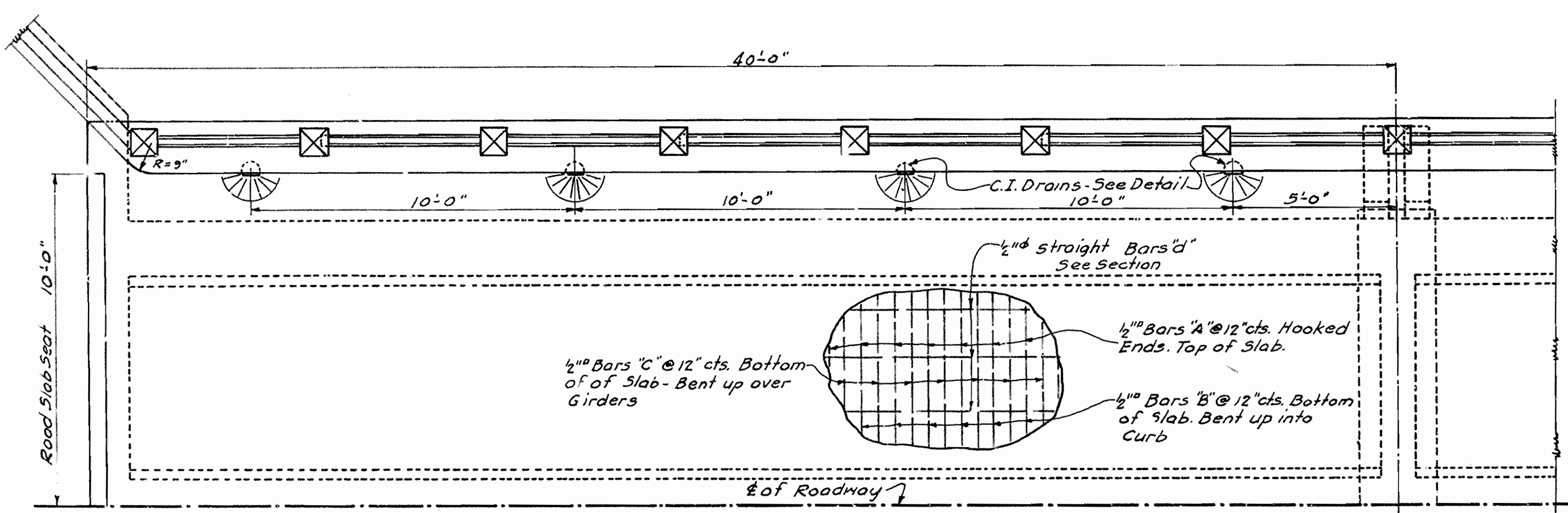
TYPE A

TYPE B

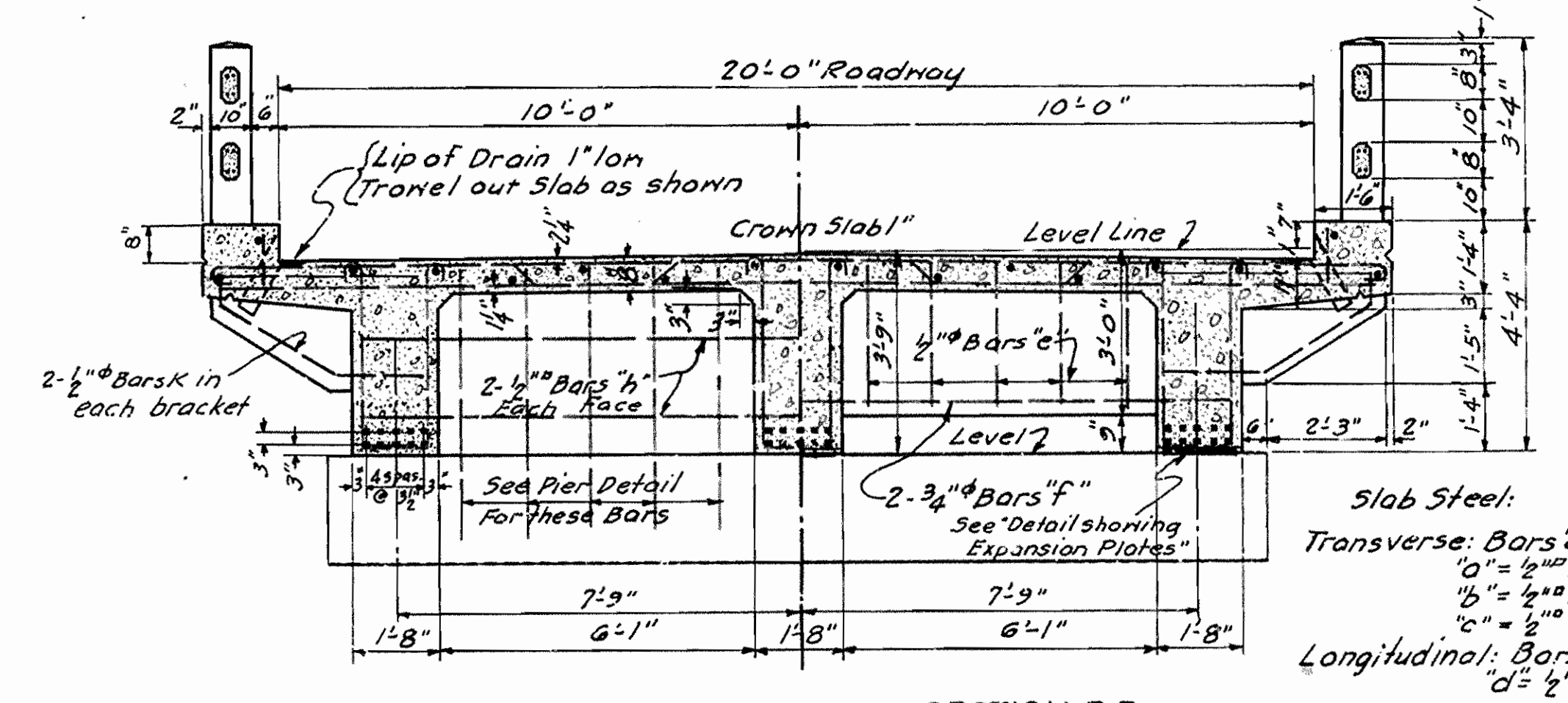
DETAIL OF BRACKETS

NOTE: For these Bars See Pier Details See Layout for location of Expansion Joints

NOTE: Brackets Same for Types A+B



HALF-PLAN



SECTION A A

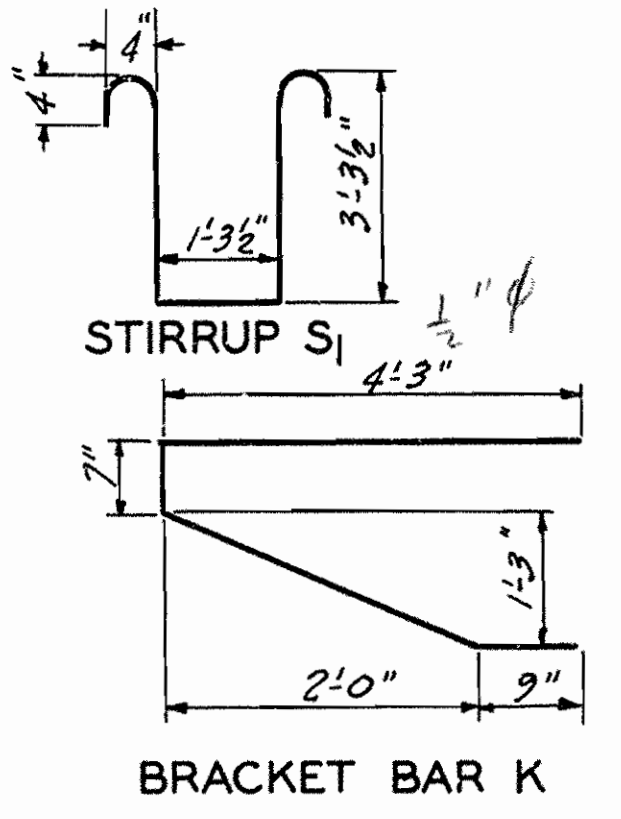
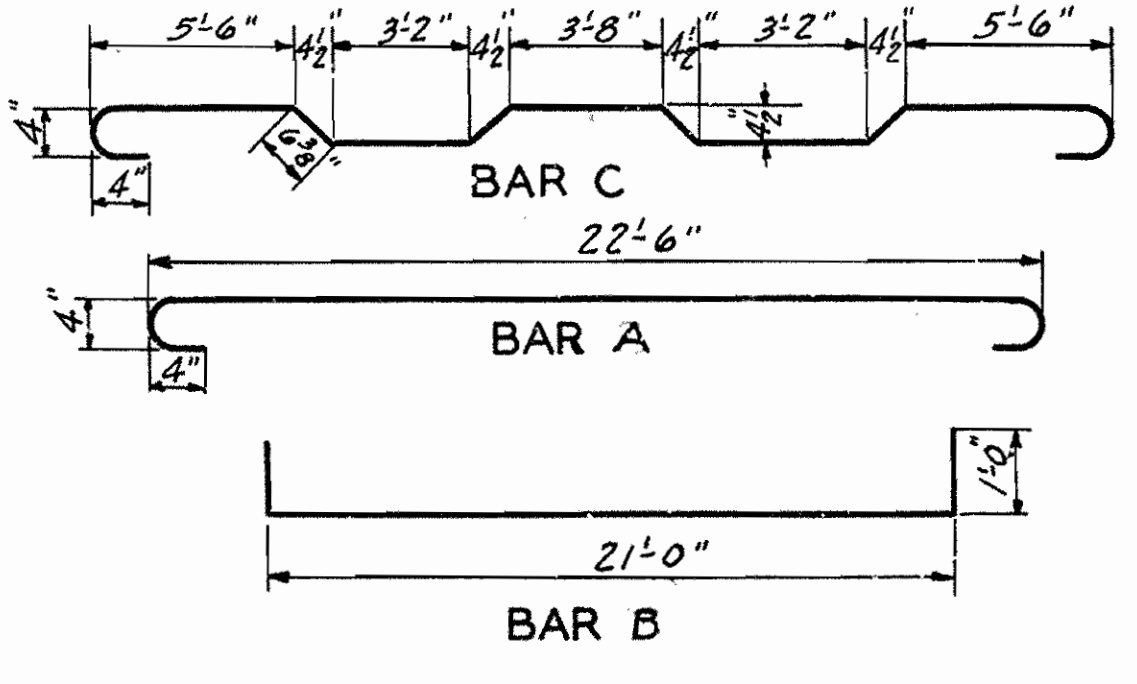
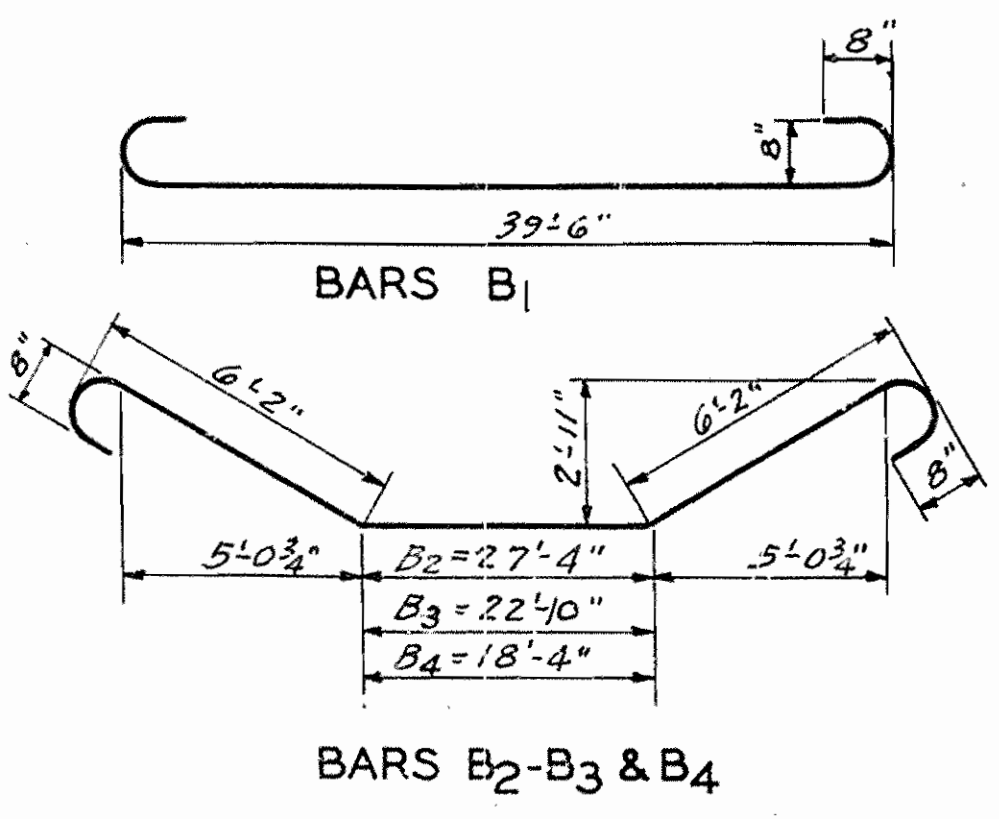
SECTION B E

Slab Steel:  
 Transverse: Bars a-b+c  
 a = 1/2" x 23'-6"  
 b = 1/2" x 23'-0"  
 c = 1/2" x 24'-2"  
 Longitudinal: Bars d  
 d = 1/2"

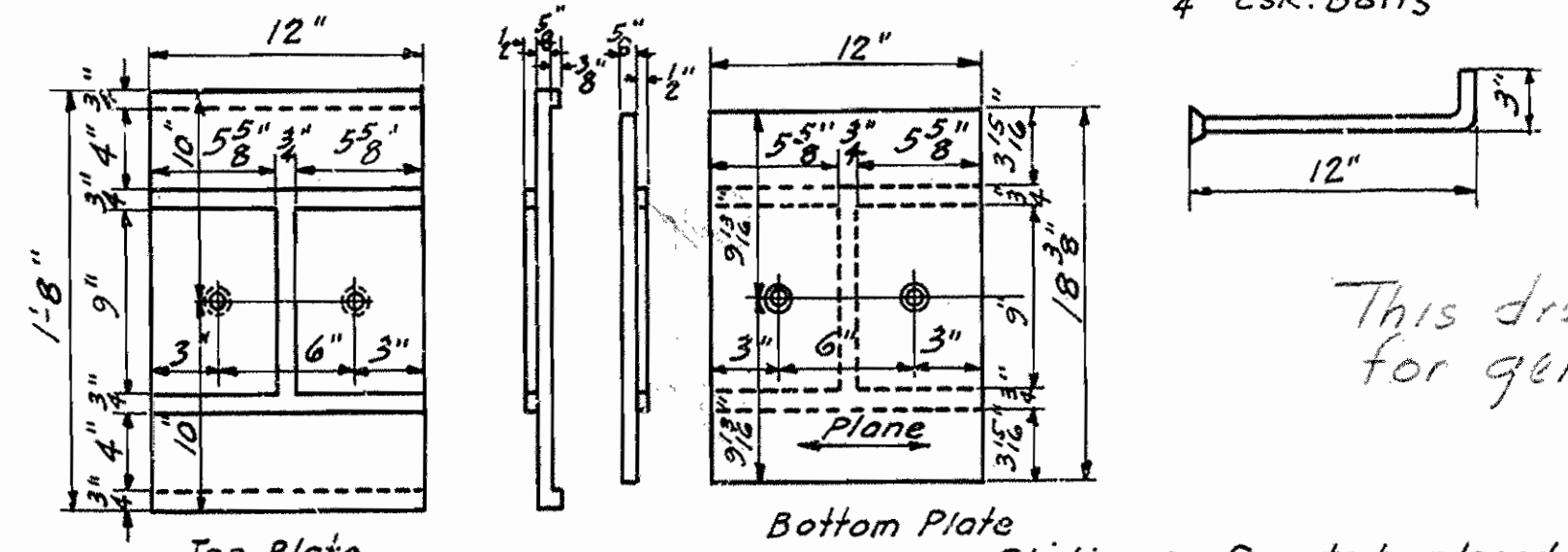
DETAIL SHOWING EXPANSION PLATES

GENERAL NOTES:  
 All exposed corners to have 3/8" chamfer unless otherwise noted.  
 Precast Concrete Handrails to be 1:3 Mix Maximum aggregate 3/8".  
 Rail Posts to be Class "S" Concrete.  
 Reinforcing Steel to be deformed bars of Structural or Intermediate grade. Shop list and Bending Diagrams of Steel must be submitted before fabrication. Drains and Exp. Devices to be paid for at the unit price bid for Reinforcing Steel.  
 All Concrete above top of Column top except Handrail, Class "S"; below, Class "A".  
 Specifications: Arkansas Standard Road and Bridge Specifications, adopted May 30, 1925.  
 All Concrete to be poured in the dry.

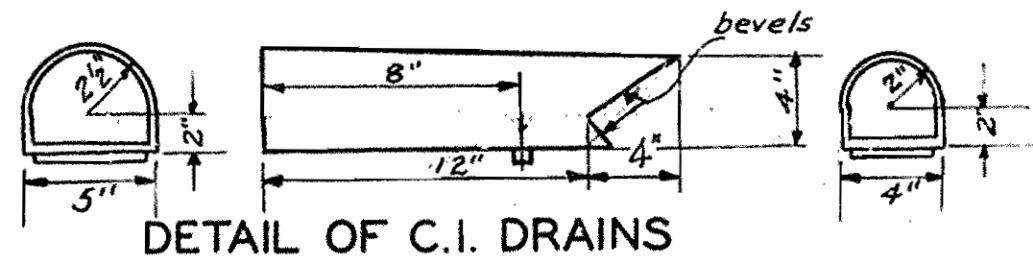
This drawing included in Job No. 10476 for general information only.



RAIL SECTION



DETAIL OF BRONZE EXPANSION PLATES



DETAIL OF C.I. DRAINS

**STANDARD SUPERSTRUCTURE**  
 FOR  
**40' R.C.D. GIRDER**  
 20' ROADWAY

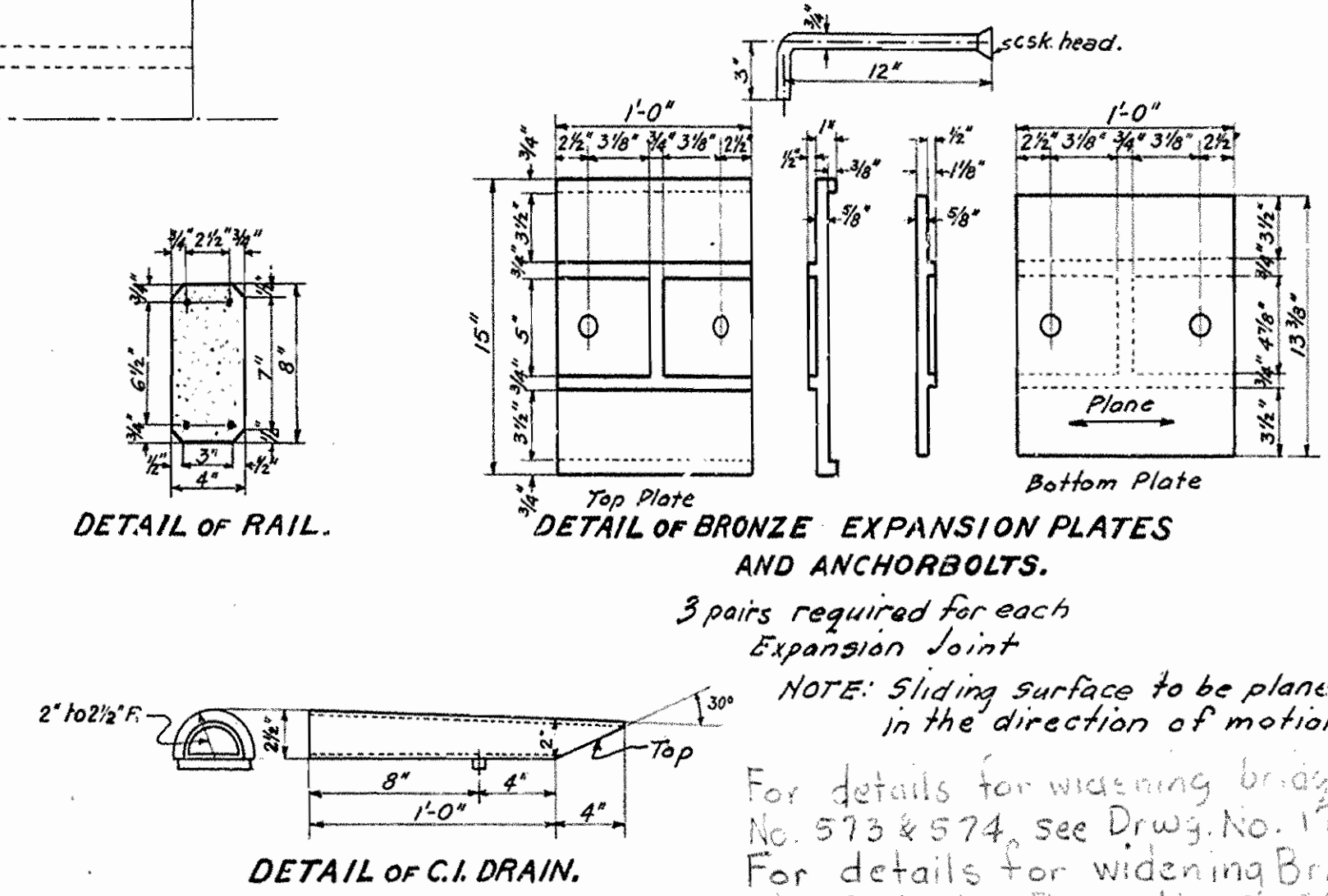
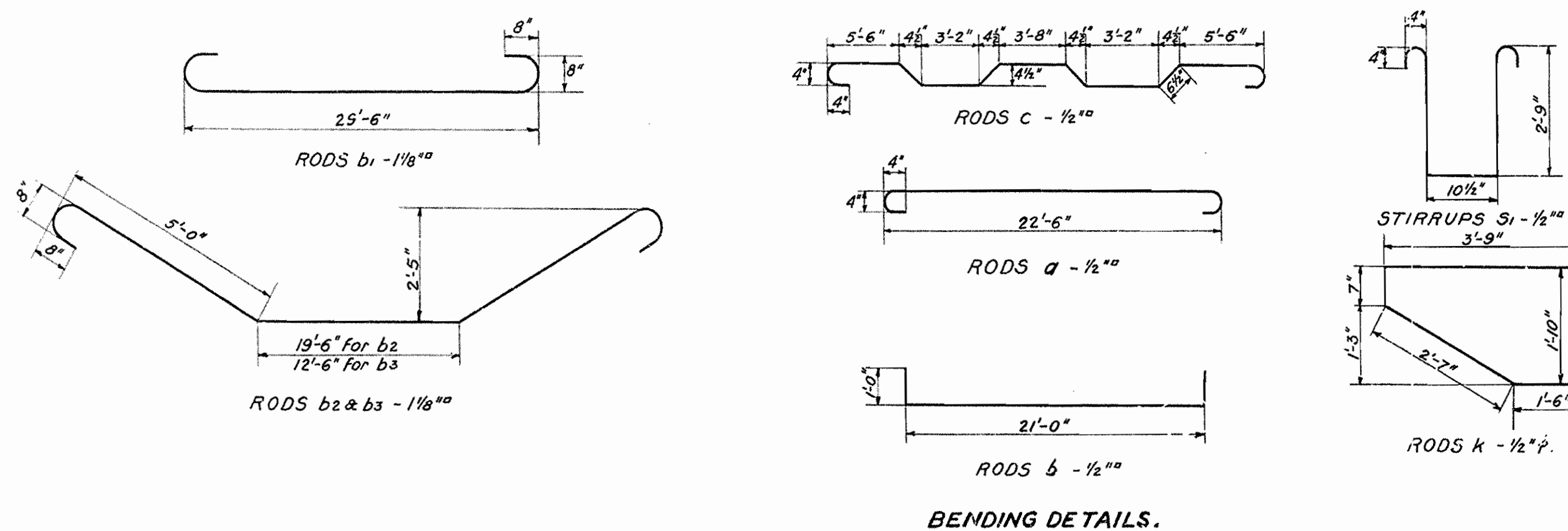
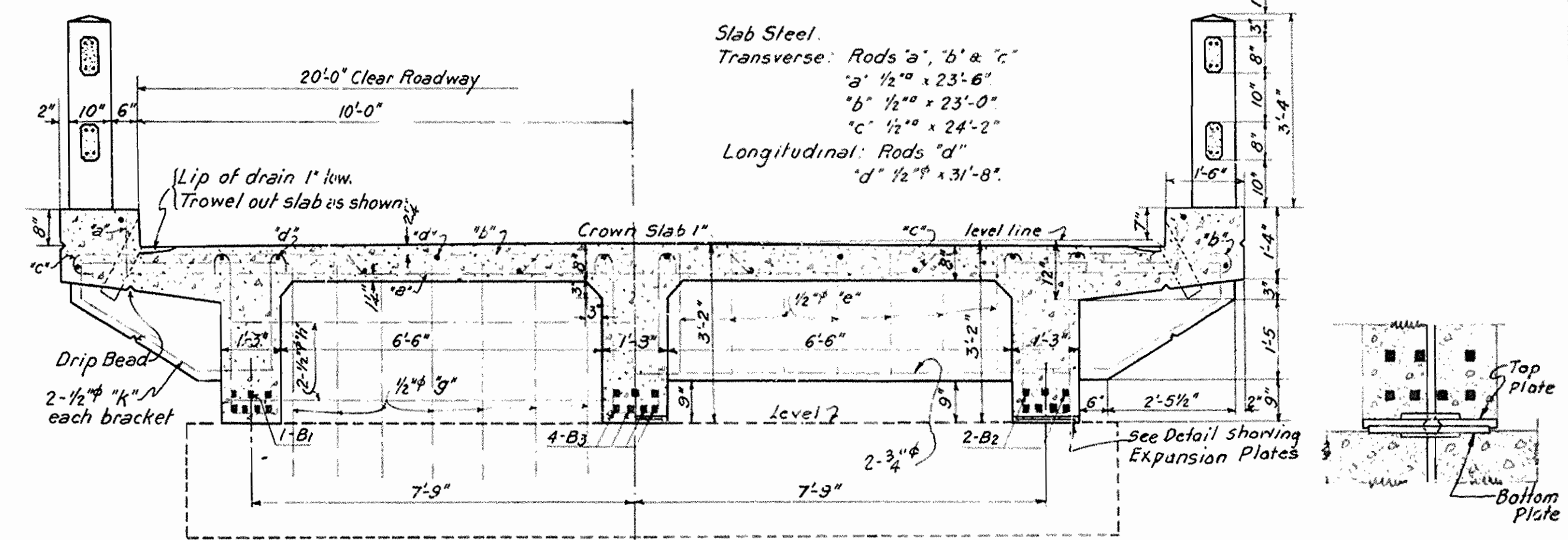
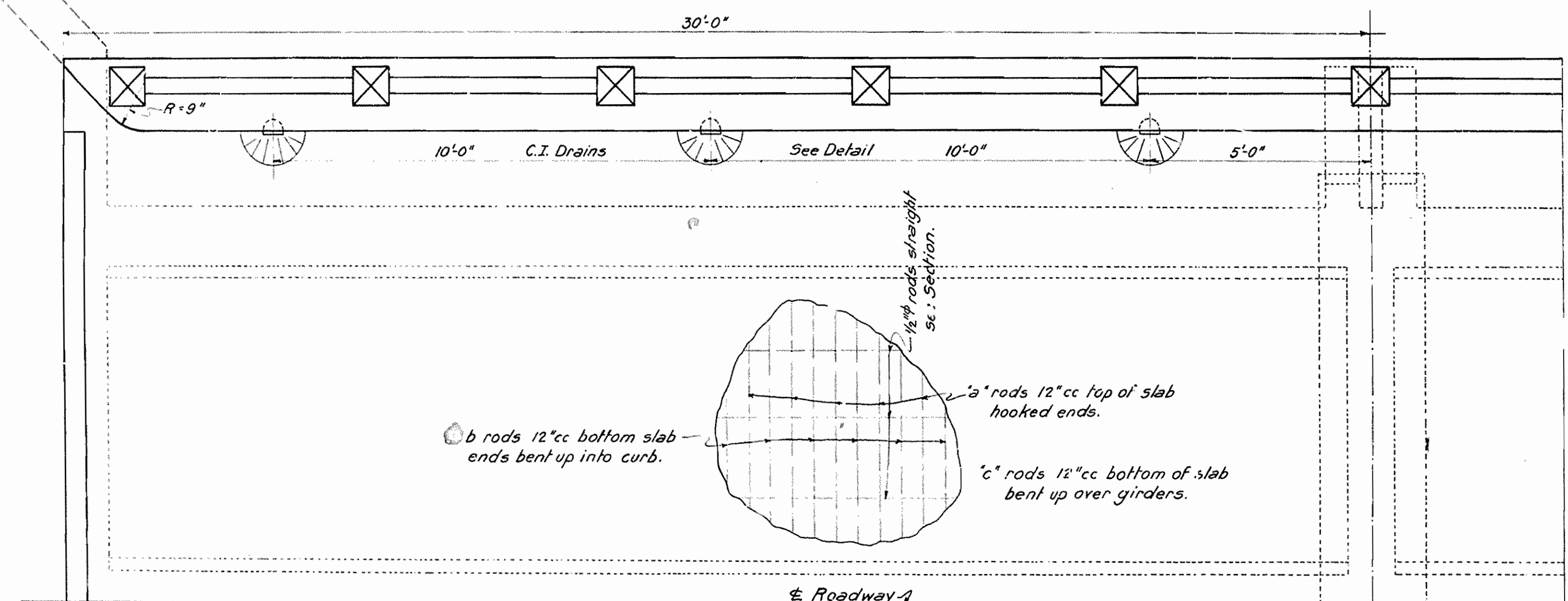
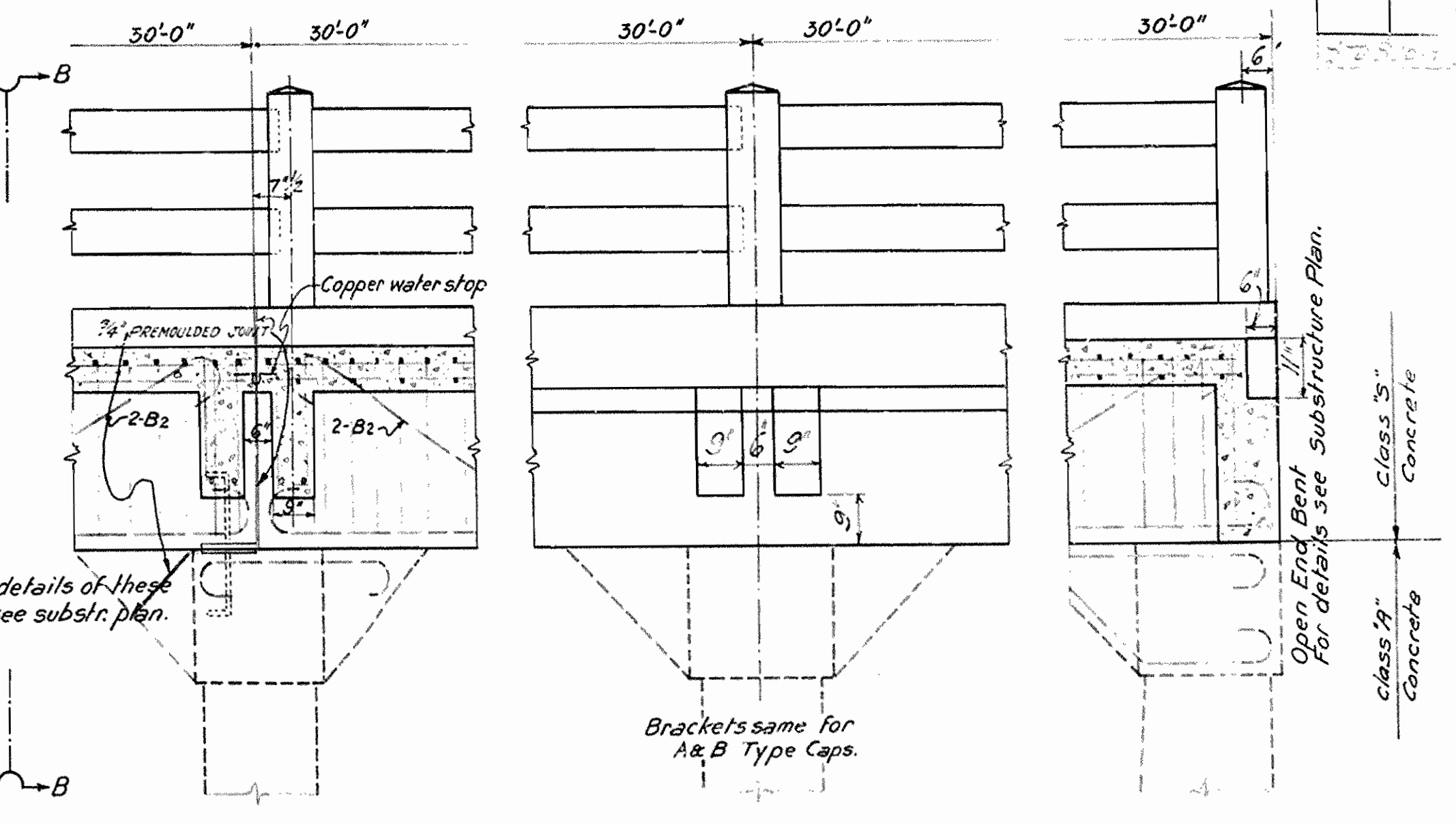
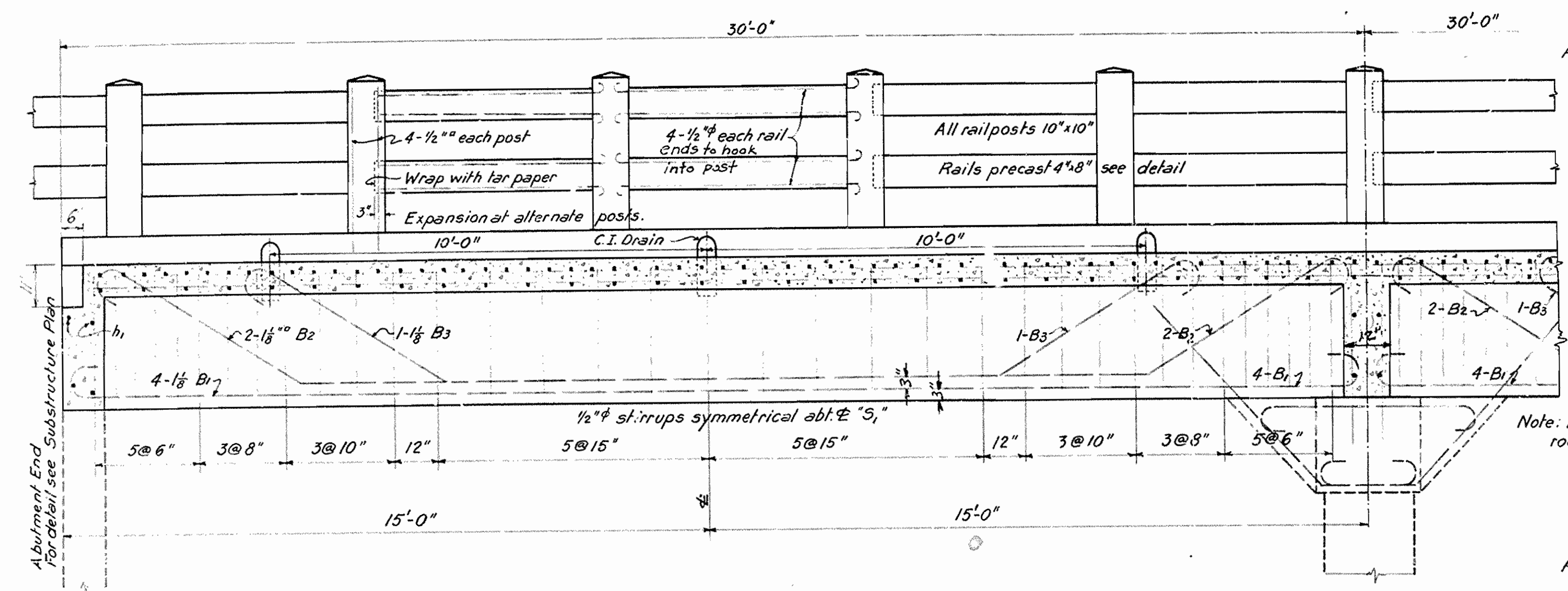
ROUTE SEC.  
**ARKANSAS STATE HIGHWAY DEPARTMENT**  
 LITTLE ROCK, ARK.

Drawn By: *A.H.G.* Date: 3-9-28  
 Traced By: *A.H.G.* Date: 3-10-28  
 Checked By: \_\_\_\_\_ Date: \_\_\_\_\_  
 BRIDGE No. \_\_\_\_\_ SCALE: 3/8" = 1 ft.  
 DRAWING No. 181

*N.B. Garner*  
 BRIDGE ENGINEER



FISCAL YEAR	JOB 7557	SHEET TOTAL	100
YEAR	1928	No.	100



Notes:  
 All exposed corners to have 1/4" Chamfer unless otherwise noted.  
 Precast concrete handrails to be 1:3 Mix. Max. aggregate 1/4".  
 Rail posts to be Class S concrete.  
 Reinforcing steel to be deformed bars of structural or intermediate grade.  
 Shoplist and bending diagrams of reinforcing steel must be submitted by contractor before fabrication is begun.  
 Drains and Exp. Devices to be paid for at unit price bid for Reinf. Steel.  
 All concrete above top of column caps, except handrail, to be Class S.  
 All concrete below top of column caps to be Class A Concrete.  
 All concrete to be poured in the dry.  
 Specifications: Arkansas Standard Road and Bridge Specifications, adopted May 30th, 1925.

ORIGINAL DETAILS  
 STANDARD SUPERSTRUCTURE  
 FOR  
 30 FT. R.C.D. GIRDER.  
 20 FT. ROADWAY.  
 ROUTE SEC.

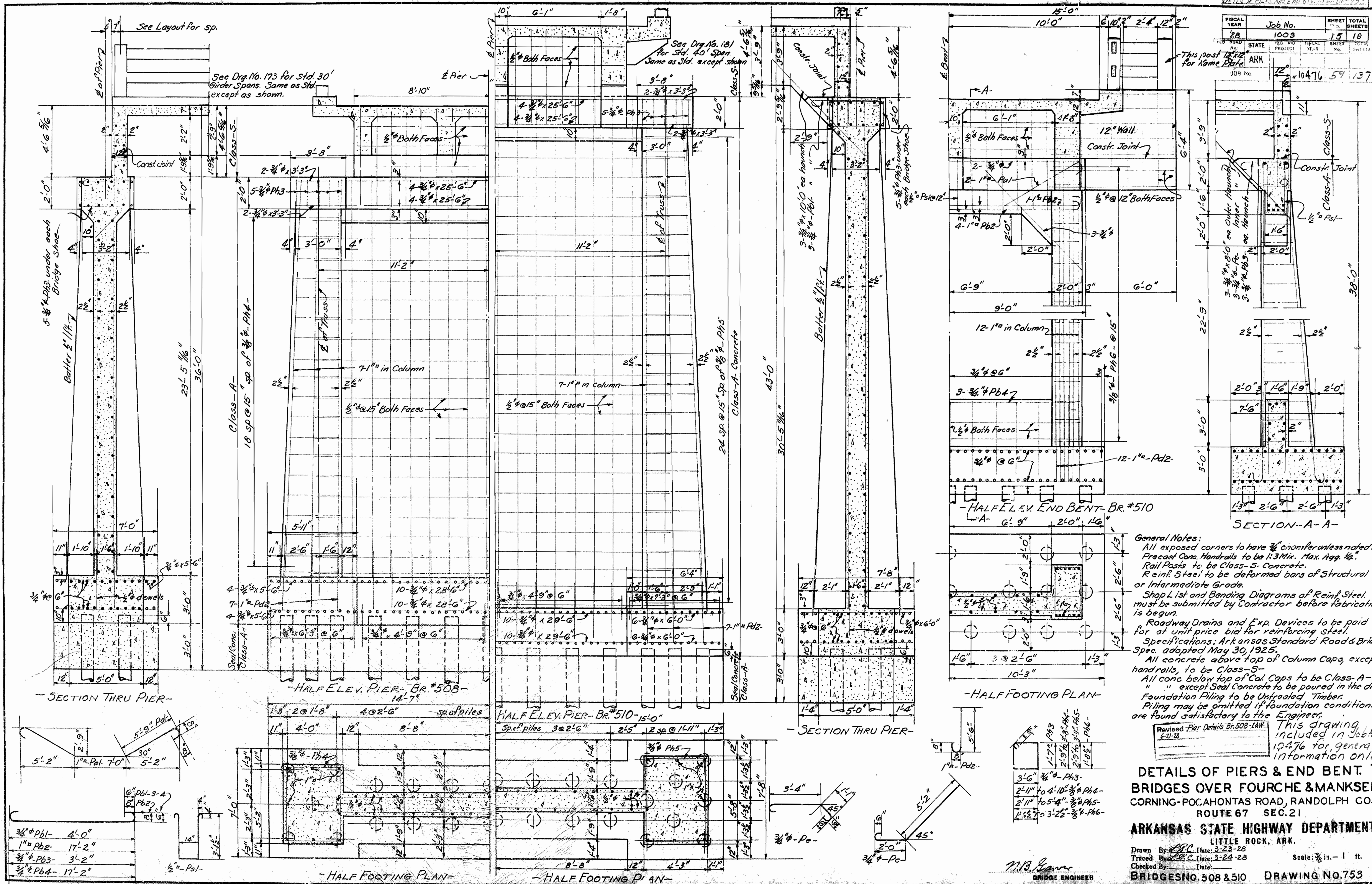
ARKANSAS STATE HIGHWAY DEPARTMENT  
 LITTLE ROCK, ARK.

Drawn By: C.A.D. Date: 12/27/27  
 Traced By: J.S. Date: 1-10-28  
 Checked By: Date: \_\_\_\_\_  
 Scale: in. = 1/2 ft. = 1  
 BRIDGES NO. \_\_\_\_\_ DRAWING NO. 178

M.B. Garner  
 BRIDGE ENGINEER



FISCAL YEAR	Job No.	SHEET	TOTAL SHEETS
28	1008	15	18
STATE	PROJECT	SHEET	DATE
ARK	10476	59	137



**General Notes:**  
 All exposed corners to have 3/4" chamfer unless noted.  
 Precast Conc. Handrails to be 1:3 Mix. Max. Agg. 1/2".  
 Rail Posts to be Class-S Concrete.  
 Reinf. Steel to be deformed bars of Structural or Intermediate Grade.  
 Shop List and Bending Diagrams of Reinf. Steel must be submitted by Contractor before fabrication is begun.  
 Roadway Drains and Exp. Devices to be paid for at unit price bid for reinforcing steel.  
 Specifications: Arkansas Standard Road & Bridge Spec. adopted May 30, 1925.  
 All concrete above top of Column Caps, except handrails, to be Class-S.  
 All conc. below top of Col. Caps to be Class-A - " except Seal Concrete to be poured in the dry.  
 Foundation Piling to be Untreated Timber.  
 Piling may be omitted if foundation conditions are found satisfactory to the Engineer.

Revised Pier Details Br. 508 - E.A.W. 6-21-28  
 This drawing included in Job No. 10476 for general information only.

**DETAILS OF PIERS & END BENT BRIDGES OVER FOURCHE & MANKSER CR. CORNING-POC. AHTONAS ROAD, RANDOLPH CO. ROUTE 67 SEC. 21**

**ARKANSAS STATE HIGHWAY DEPARTMENT**  
 LITTLE ROCK, ARK.  
 Drawn By: [Signature] Date: 3-23-28  
 Traced By: [Signature] Date: 3-24-28  
 Checked By: [Signature] Date: [Blank]  
 BRIDGES NO. 508 & 510 DRAWING NO. 753

M.B. [Signature]  
 BRIDGE ENGINEER

Scale: 3/8" = 1' ft.