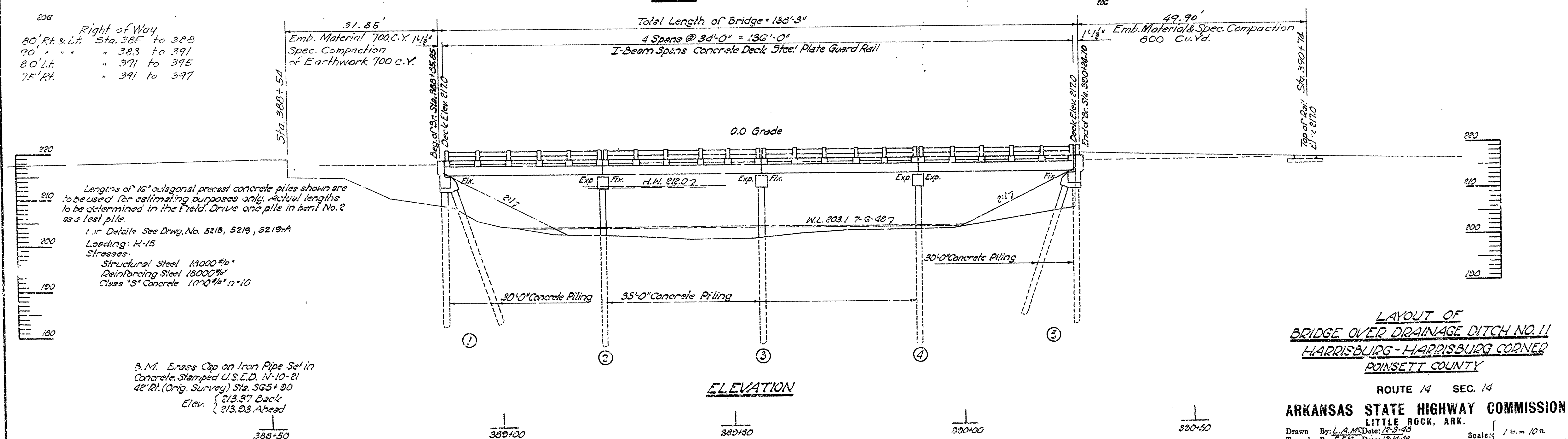
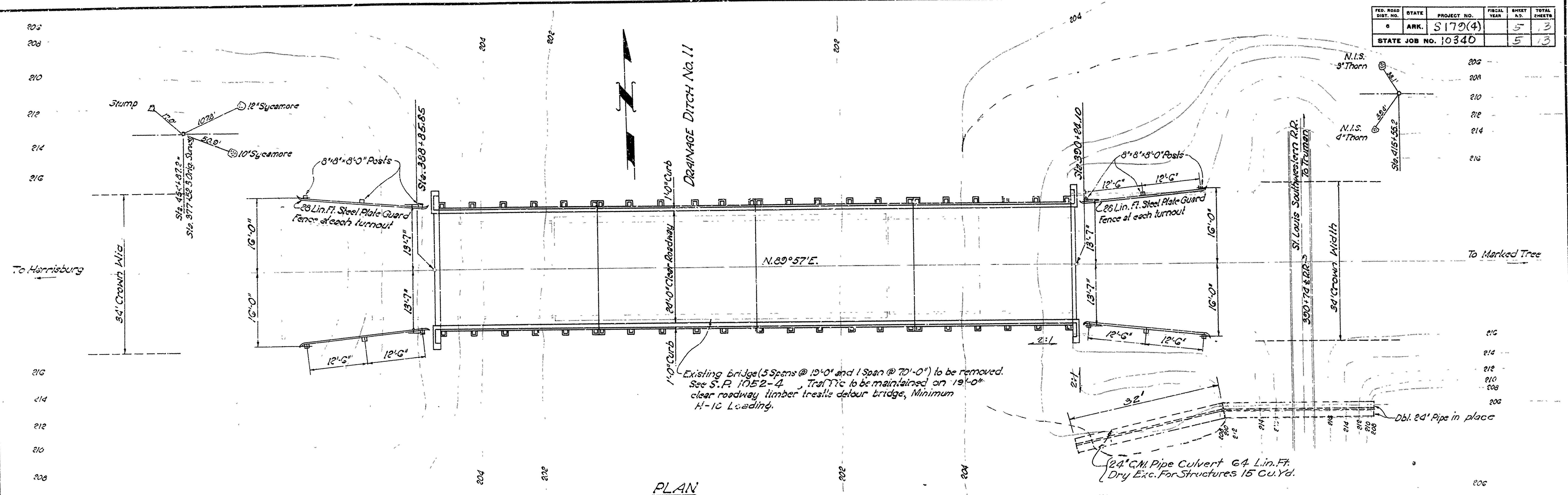


FED. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.	S 179(4)		5	13
STATE JOB NO. 10340					



Right of Way  
80' Rt. & Lt. Sta. 385 to 398  
90' " " " 398 to 391  
80' Lt. " 391 to 395  
75' Rt. " 395 to 397

Lengths of 16" octagonal precast concrete piles shown are to be used for estimating purposes only. Actual lengths to be determined in the field. Drive one pile in bent No. 2 as a test pile.  
For Details See Drwg. No. 5218, 5219, 5219-A  
Loading: H-15  
Stresses:  
Structural Steel 18000 #/sq  
Reinforcing Steel 18000 #/sq  
Class "S" Concrete 1070 #/cu ft

B.M. Brass Cap on Iron Pipe Set in Concrete. Stamped U.S.E.D. 11-10-21  
42' R.I. (Orig. Survey) Sta. 365+90  
Elev. { 213.37 Back  
213.93 Ahead

LAYOUT OF  
BRIDGE OVER DRAINAGE DITCH NO. 11  
HARRISBURG - HARRISBURG CORNER  
POINSETT COUNTY

ROUTE 14 SEC. 14  
ARKANSAS STATE HIGHWAY COMMISSION  
LITTLE ROCK, ARK.  
Drawn By: L.A.M. Date: 12-3-48  
Traced By: E.F.S. Date: 12-14-48  
Checked By: \_\_\_\_\_ Date: \_\_\_\_\_  
BRIDGE NO. 579 DRAWING NO. 7617

M. J. Langer  
PRINCIPAL HIGHWAY ENGINEER (BRIDGE)

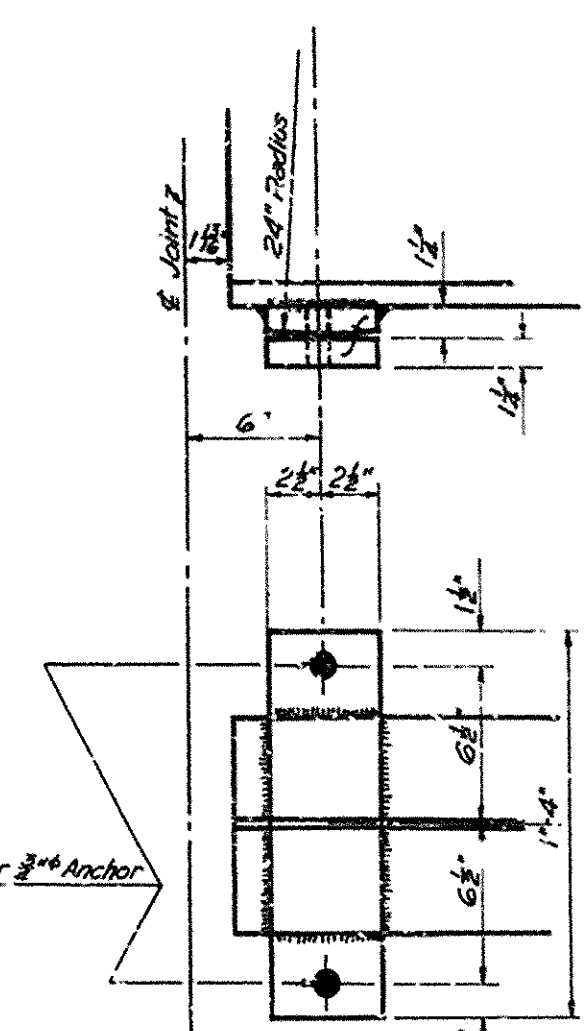
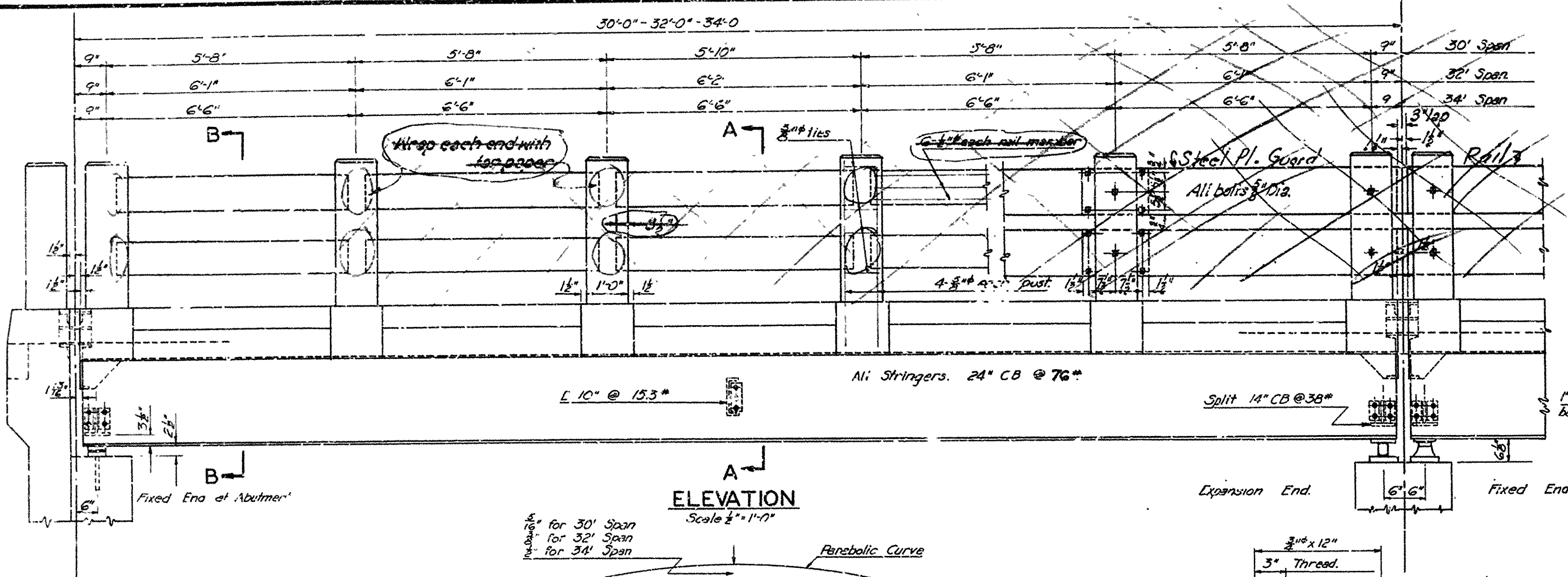


FED. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.				
STATE JOB NO.					

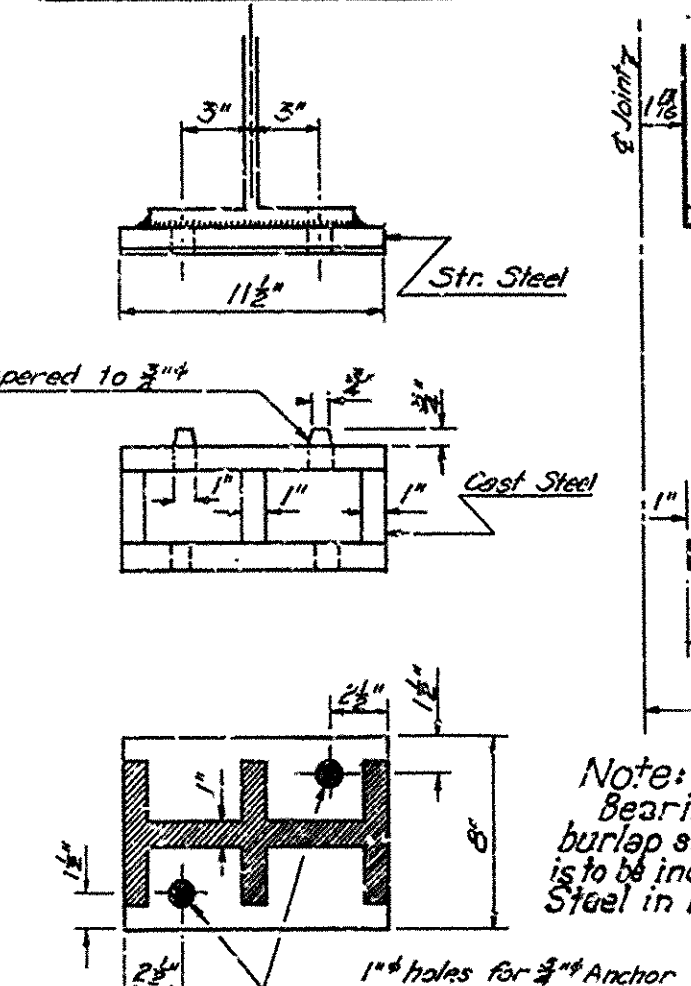
LOADING H-15  
Load Distribution Outside Beams  
Dead Load Per Foot = 975 #  
Live Load Per Foot = 184 #  
Conc. Live Load = 1200 # Mom.  
Truck Live Load = 0.82 Wheel  
Load Distribution Inside Beams  
Dead Load Per Foot = 650 #  
Live Load Per Foot = 264 #  
Conc. Live Load = 1425 # Mom.  
Truck Live Load = 1.1 Wheel

STRESSES  
Structural Steel = 18,000 #/sq.  
Reinforcing Steel = 18,000 #/sq.  
Concrete (f'c) = 1000 #/sq.

GENERAL NOTES  
All concrete to be Class "S". All exposed corners to have 3" chamfer unless otherwise noted.  
Reinforcing bars shall be lap welded or welded in lap. Where lap welded, lap length shall be 48 diameters for bars in tension and 36 diameters for bars in compression.  
Structural shapes of equal or greater strength may be substituted for shapes shown but payment will be made on basis of shapes shown or those actually used whichever is the lesser.  
All welded connections to be full fillet shop welds except as noted.  
Shop Paint: All structural steel except surfaces in contact with concrete shall be given one coat of red lead and two coats of zinc-rich paint before shipment.  
Field Paint: First, White Lead tinted with Lamp black, Second coat, Aluminum.  
All bearing and roadway expansion devices to be paid for as "Structural Steel in Beam Spans".  
Weight of C.I. Drains to be included in weight of Reinforcing Steel.  
Care shall be exercised to obtain 90° in the angle between flange and web of beams at bearing points.  
This drawing shows general features of design only. Shop drawings shall be made in accordance with the Specifications, submitted and approved before fabrication is begun.  
In order to secure a good riding surface it will be required that the floor slab be struck off from curb to curb with a half span length longitudinal strike-off. The strike-off shall be sufficiently stiff so as to have no appreciable vertical deflection.  
SPECIFICATIONS: Arkansas State Highway Commission Standard Specifications for Road and Bridge Construction, Adopted March 1st 1940.

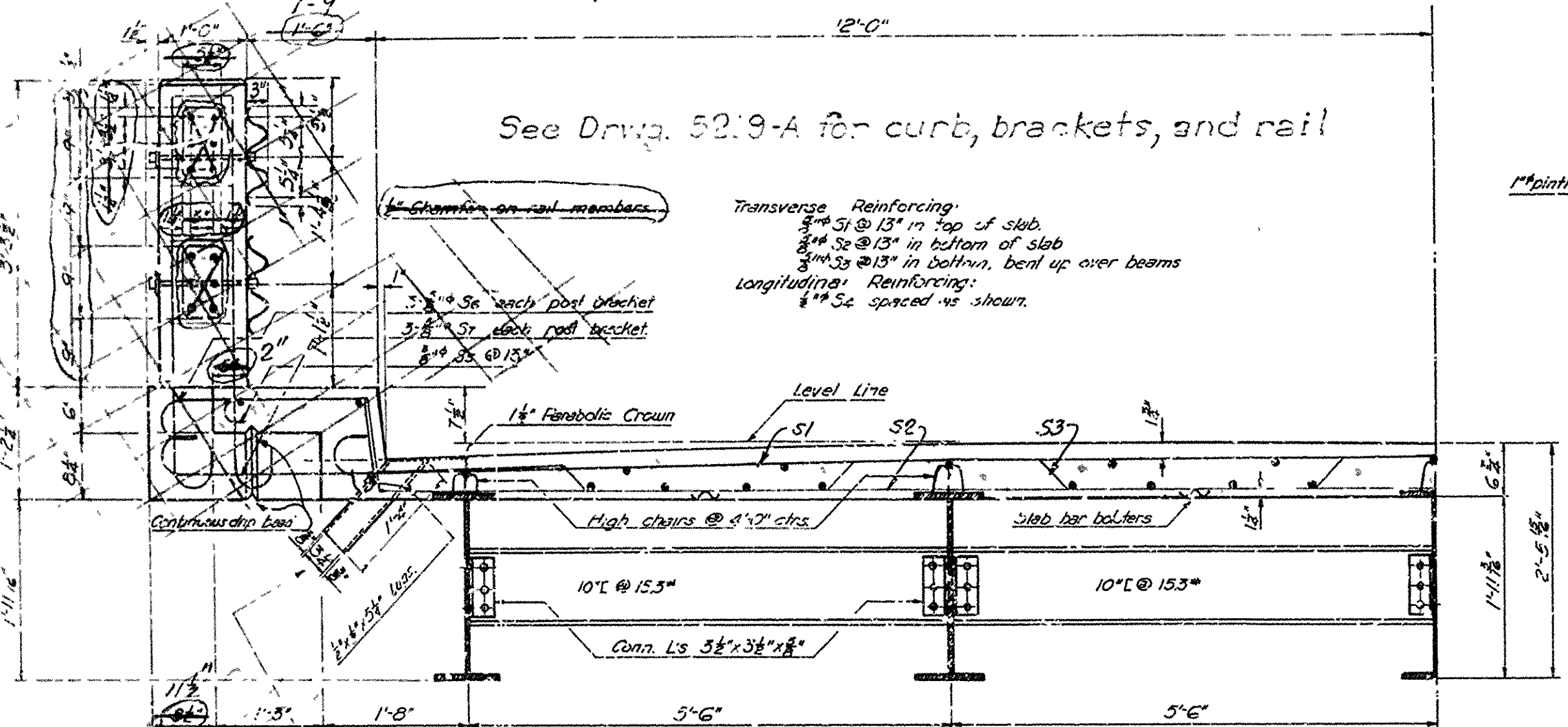


SWEDGED ANCHOR BOLT



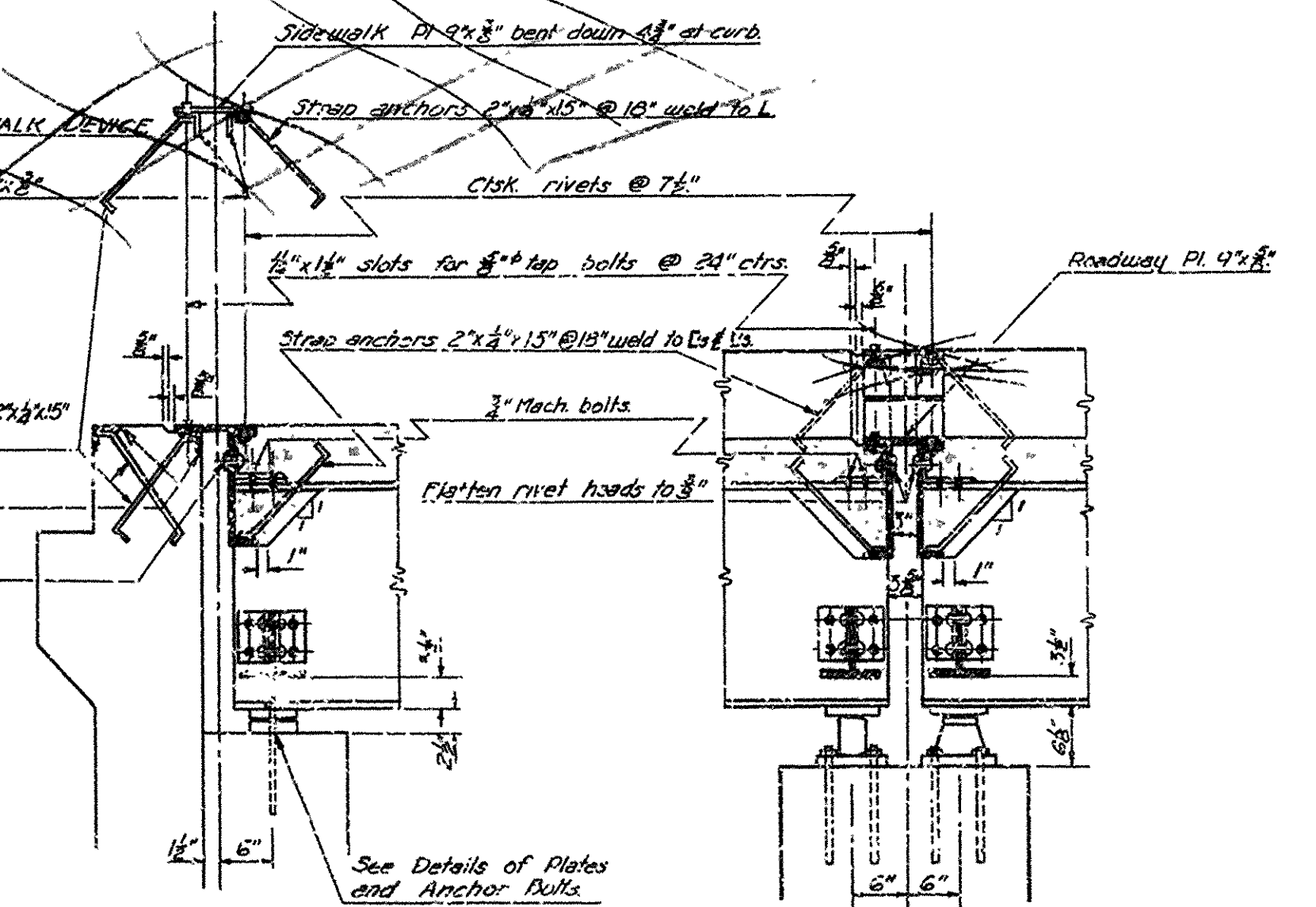
PLATES AT ABUTMENT

Scale 1 1/2" = 1'-0"



FIXED SHOE EXPANSION SHOE  
DETAILS OF BEARINGS

Scale 1 1/2" = 1'-0"



LIST OF BENT BARS

Mark	Size	Length	Bending Diagram
S1	5/8"	25'-9"	
S2	5/8"	26'-0"	
S3	5/8"	26'-0"	
S4	5/8"	3'-4"	
S5	5/8"	5'-6"	
S6	5/8"	5'-3"	
S7	5/8"	5'-3"	

Revised 8-14-48 Handrail Curb & brackets  
Revised 12-9-46 Bars S1 & S3  
" 2-28-47 Wl. of 24" CB  
" 4-5-47 Ribbed Bolts  
" 7-29-48 Handrail (Note: Details shown thus do not apply after this revision date)  
See also DWG. No. 5219-A

DETAILS OF  
STANDARD 30'-32'-34' I-BEAM SPANS  
24'-0" CLEAR ROADWAY 1'-6" WALKWAY

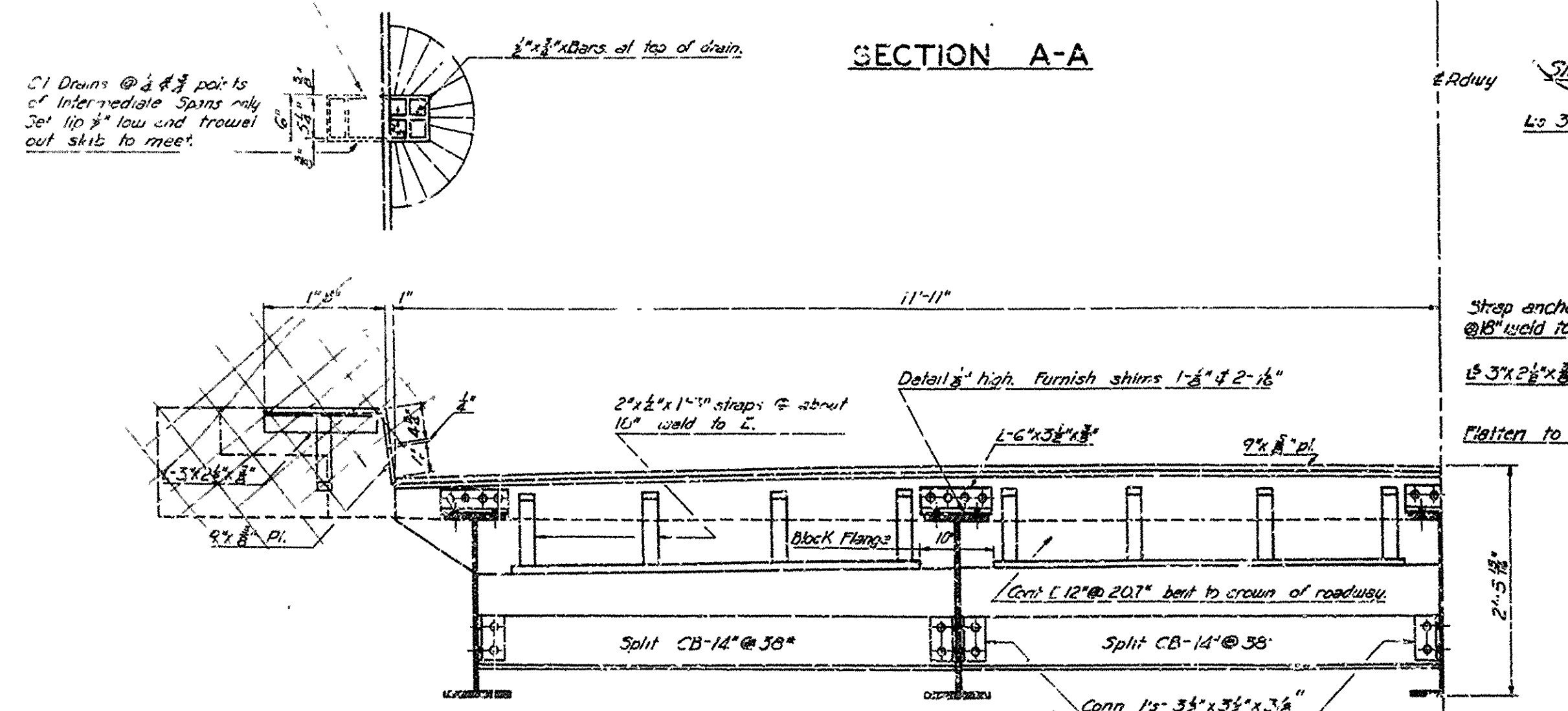
ARKANSAS STATE HIGHWAY COMMISSION  
LITTLE ROCK, ARK.

Drawn By: L.P.C. Date: 8-30-44  
Traced By: S.W.B. Date: 4-30-46  
Checked By: \_\_\_\_\_ Date: \_\_\_\_\_

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

M.B. Garver  
PRINCIPAL HIGHWAY ENGINEER (BRIDGE)

DRAWING NO. 5219.



JOINT AT ABUTMENT

JOINT AT INTERMEDIATE BENT