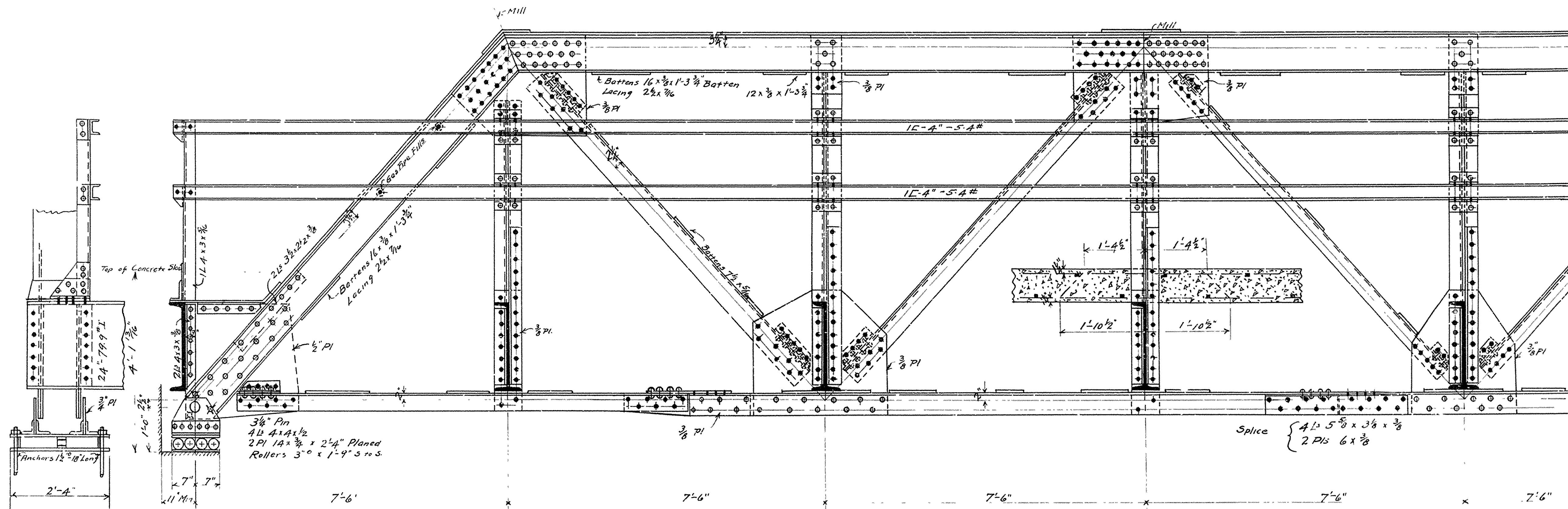
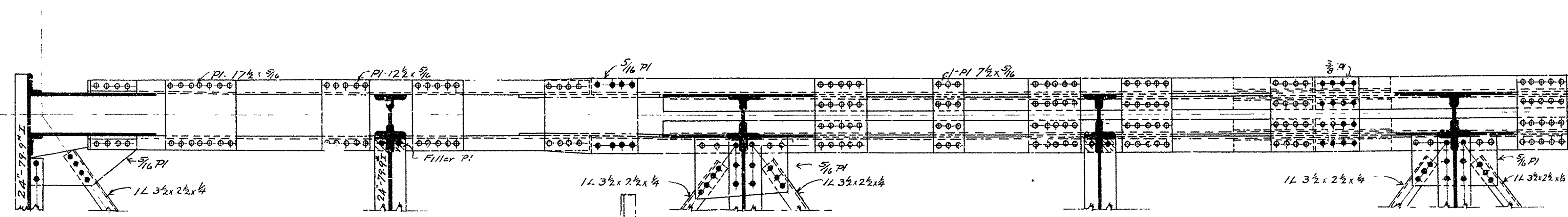
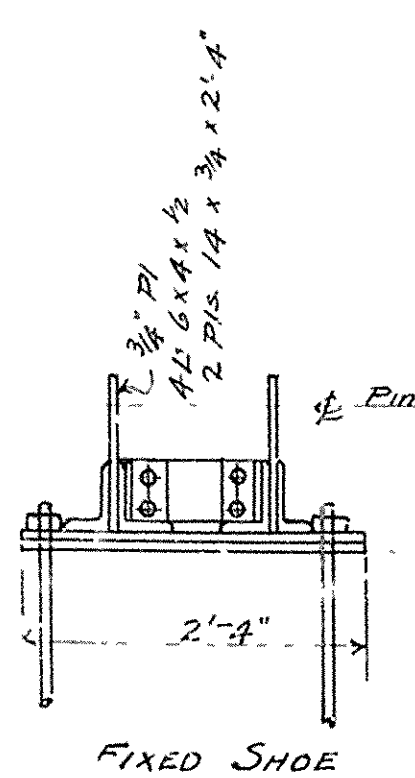


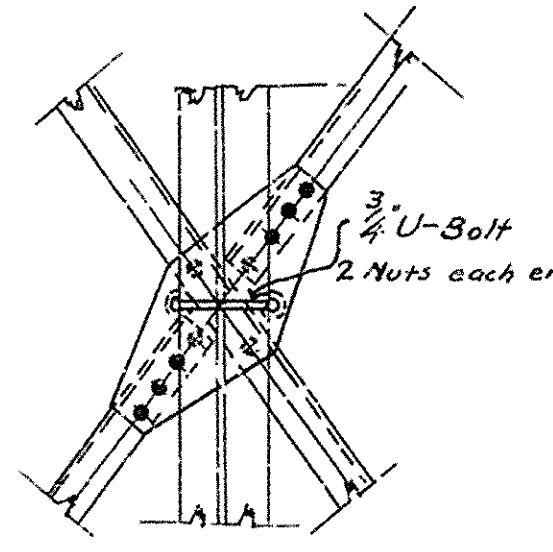
PROJ. NO.	STATE	FED. AID DIST. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1515	ARK	6		6	



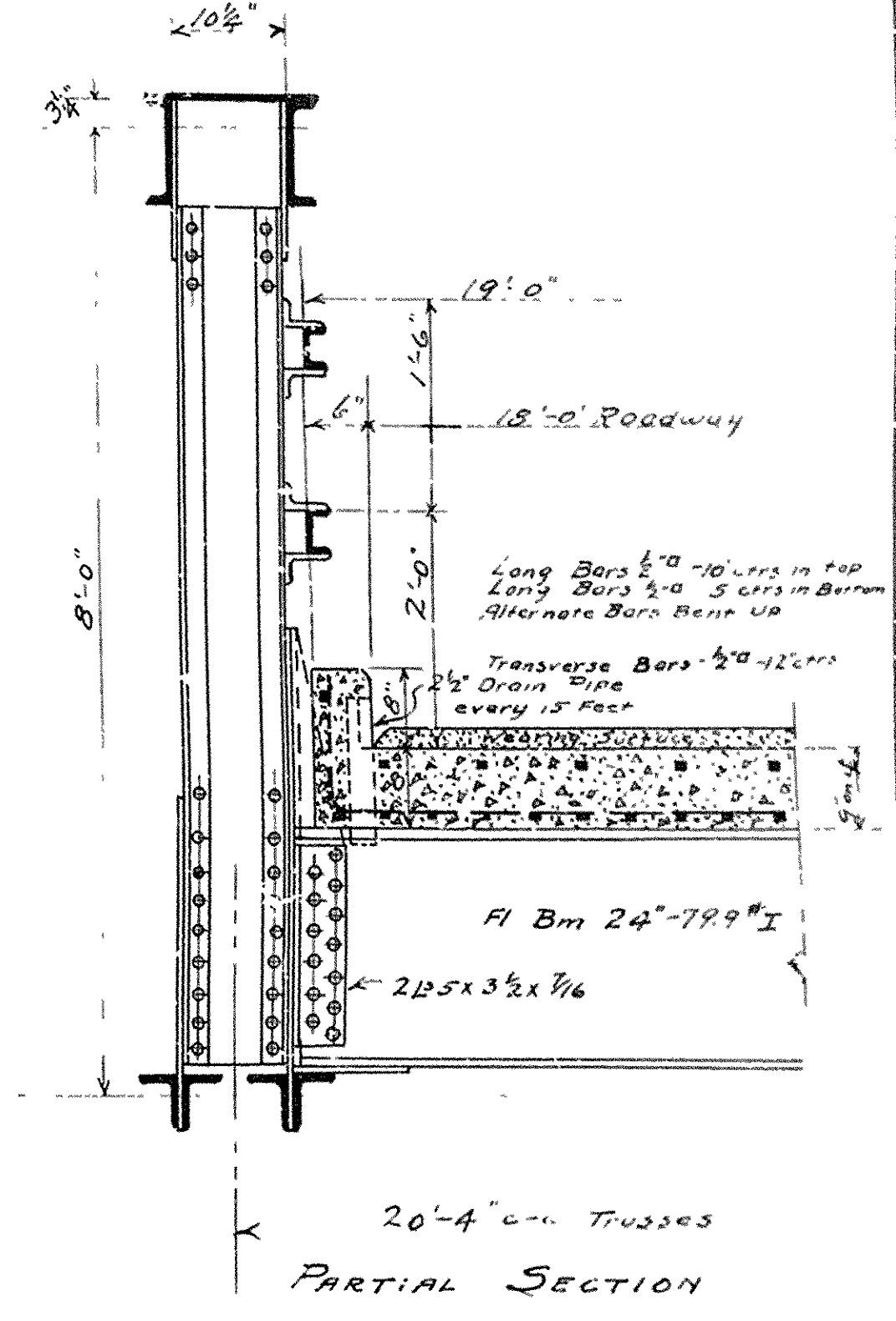
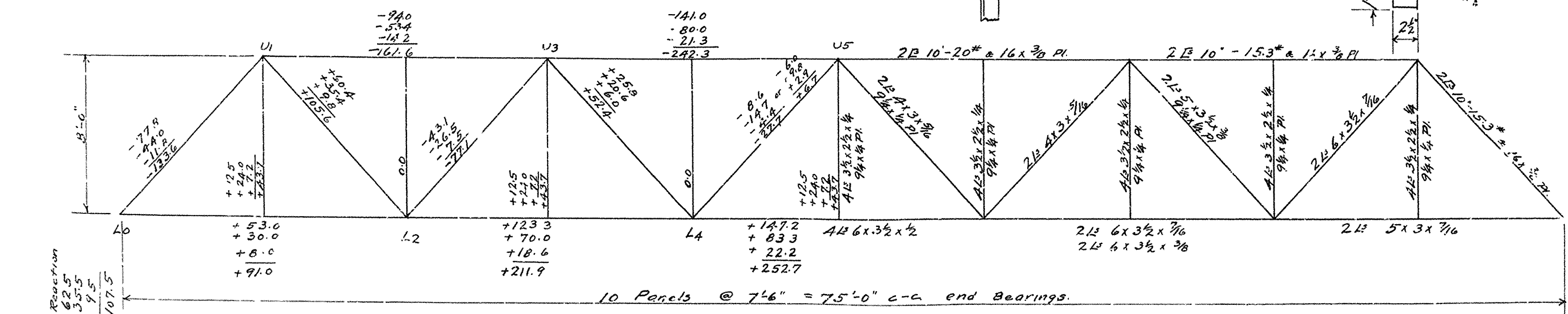
EXPANSION SHOE



FIXED SHOE



DETAIL OF DRAIN



PARTIAL SECTION

**SPECIFICATIONS**  
 Unit Stresses - See Arkansas Highway Department Specifications.  
 Rivets - 3/4" diameter.  
 Open Holes - 1/2" diameter.  
 All field connections riveted. Rivet holes in tension members are to be so spaced that not more than one hole is deducted from area of cross section of each angle at point of maximum stress.  
 Shop Paint - One coat red lead and one linseed oil.  
 Field Paint - Two coats of different colors as approved by the engineer.  
 Batten plates spaced not over 3'-0" c-c on tension members.

Live Load - Uniform - 105 lbs per square foot of roadway.  
 Concentrated - 2-15' on Trucks as shown.

Impact = 20.5%  
 + 500

**Floor Beams**  
 D.L.M. = 1/2 x 1068 x 20.33 = 55150 lb  
 A.L.M. = 8 3/4 x 24000 - 6 x 2000 = 136000 lb  
 Impact 30% = 40800 lb  
 Total = 231950 lb  
 231950 / 16000 = 14.5 = Reqd. Sec Mod.  
 Use 24" - 799" I - Sec. Mod. = 173.9

NOTE: - This drawing is general only. Shop drawings must be made in compliance with specifications and must be submitted for approval before fabrication begins.  
 Concrete Proportions 1:2:4  
 If wear comes directly on floor slab, increase thickness of slab 1" and use concrete proportions 1:2:3  
 Estimated Weight of Structural Steel = 56000 lb  
 Estimated Weight of Reinforcing Steel = 6070 lb  
 Estimated Cu:ds Class "A" Concrete in Floor Slab = 4067

**STANDARD PLAN**  
 75 FT. STEEL HIGHWAY BRIDGE  
 18 FT. ROADWAY - CONCRETE FLOOR  
 ARKANSAS HIGHWAY DEPARTMENT  
 LITTLE ROCK, ARK.

DESIGNED - N.B.G.  
 DRAWN - L.E.B.  
 CHECKED - N.B.G.  
 REVISIONS -

Approved: Chairman, Arkansas State Highway Commission  
 BY: State Highway Engineer STATE STANDARD F-7015A  
 March 1925