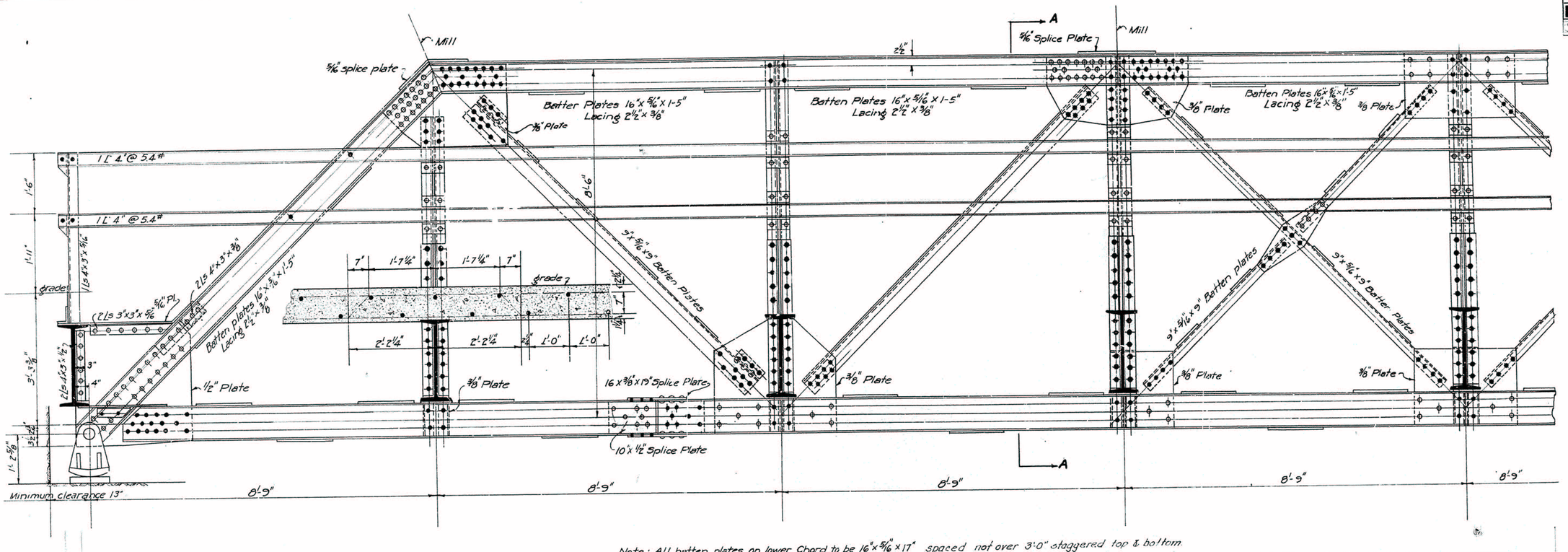
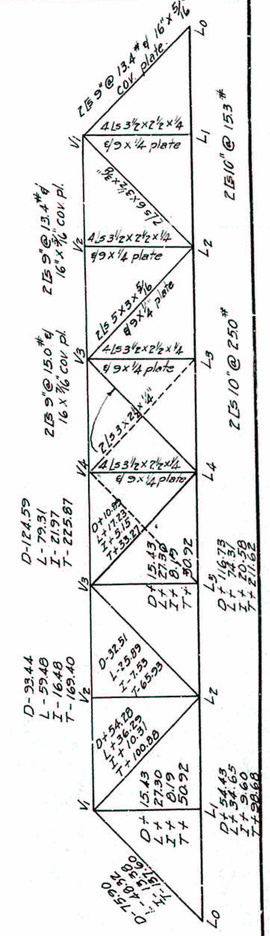
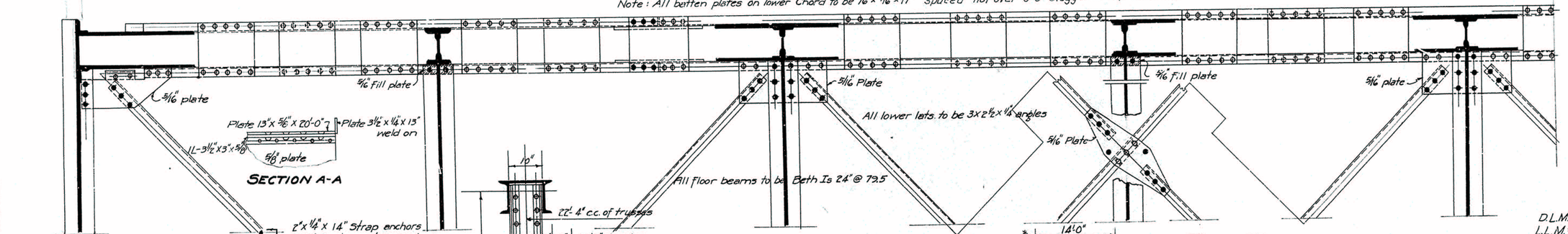
FISCAL YEAR	JOB No.	SHEET No.	TOTAL SHEETS

STD. PL. 70' STL. PNY SPN. 24' RDWY. DR. 1092

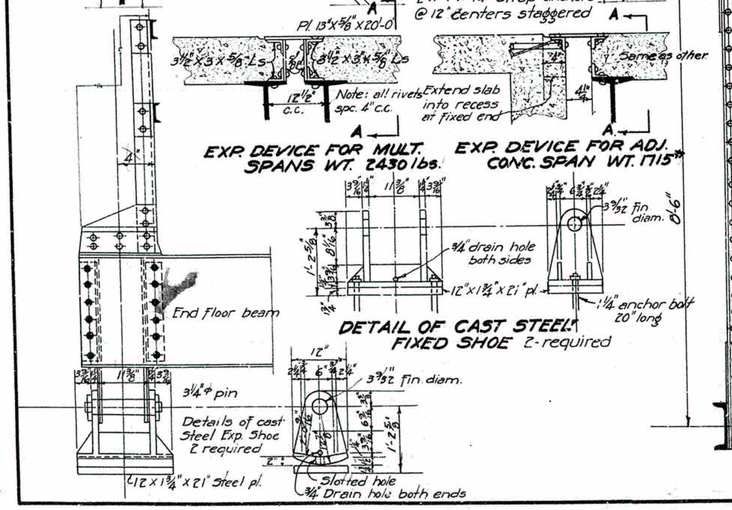


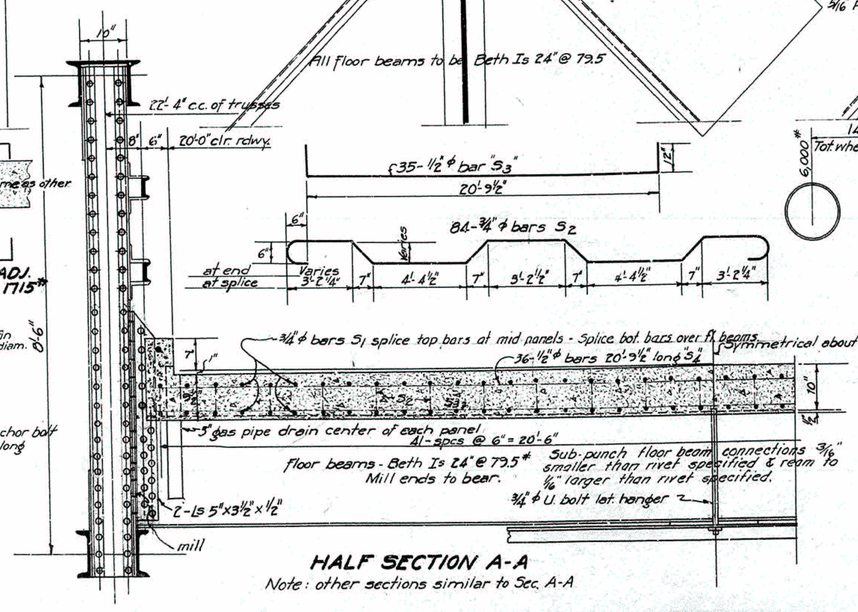
Note: All batten plates on lower Chord to be 16" x 5/16" x 17" spaced not over 3'-0" staggered top & bottom.





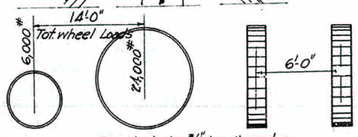
SECTION A-A





HALF SECTION A-A

Note: other sections similar to Sec. A-A



Rivets to be 3/4" in diameter.
Rivet holes - Sub punch all holes in main truss connections (both shop & field) 3/16" smaller than rivet specified and ream to 1/16" larger than rivet specified during shop assembly.
Members shall be match marked and a suitable diagram furnished for erection.
All field connections to be riveted.
Rivet holes in tension member so spaced that only one hole is deducted from each angle at point of maximum stress. Deduct 2 web holes & 1 flange hole from each channel at point of Max. stress.
Shop paint 1 coat red lead & raw linseed oil.
Field paint two coats of different colors as approved by the Engineer.
Batten plates shall be spaced not over 3'-0" c.c. on tension members.
Conc. floor Slab - Class "S" - Extra 1" added for wear.

Live Load
Uniform Load - 90# per sq. ft. of Rdwy.
Concentrated - 2-15 ton trucks as shown.
Impact = 100 ÷ (Lt + 300)

Unit Stresses

Concrete	810 lbs sq in.
Structural Steel	18,000 lbs sq in.
Reinforcing Steel	18,000 lbs sq in.

Stringers & floor bms. to be milled to exact length.
Members of equal or greater strength may be used in place of members shown here but payment will be made in accordance with sizes shown on this plan.
This drawing is general only. Shop drawings must be made in compliance with specifications must be submitted & approved before fabrication is begun.
Lower chord member may be spliced more than as shown if found inconvenient for shipping.
Specifications: Arkansas State Hwy. Dept. Specifications, adopted May 30, 1925 & Revised.

N. B. Garner
BRIDGE ENGINEER

FLOOR BEAM DATA

D.L.M. = 26,548 X 22.33 X 1.5 = 889,225 "#
L.L.M. = 22,388 X 10.417 - 12,000 X 6 = 1,934,592 "#
Imp. @ 30% 580,378 "#
Total Mom. 3,404,195 "#
Sec. Mod. Req. = 3,404,195 ÷ 18,000 189.12
Sec. Mod. of Beth. Is 24" @ 79.5 = 188.19

ESTIMATED QUANTITIES

Structural Steel (not including weight of Exp. Devices) 48,630#
Reinforcing Steel (o. to o. of End Floor Beams) 10,024#
Class "S" Conc. (o. to o. of End Floor Beams 48.09 cy

Revised 1-7-28 General Revisions
5-2-29 - Splicing Of Si. Bars In Floor Slab & Lateral Lug Angles
By Noe

STANDARD PLAN
70'-0" STEEL PONY SPAN
20'-0" Clear Roadway

ROUTE SEC.

ARKANSAS STATE HIGHWAY DEPARTMENT
LITTLE ROCK, ARK.

Drawn By: F.P.B. Date: 12/4-28
Traced By: E.M.G. Date: 12/7/28
Checked By: Date:

Scale: 3/4" in. = 1' ft.

BRIDGE No. [redacted] DRAWING No. 1092