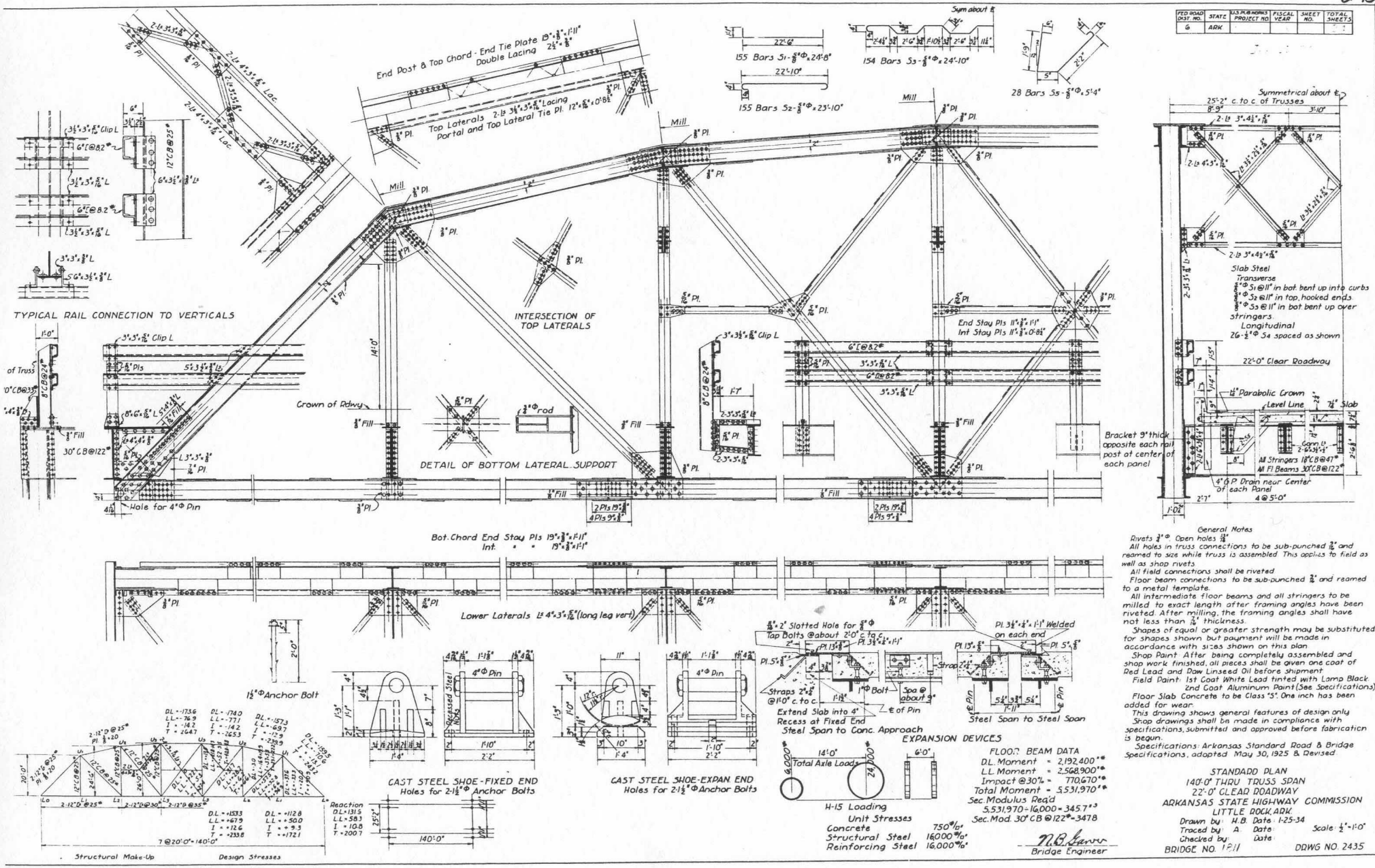
FED. ROAD DIST. NO.	STATE	U.S. PUB. ROADS PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	ARK.				



FLOOR BEAM DATA

DL. Moment = 2,192,400'#
LL. Moment = 2,568,900'#
Impact @ 30% = 770,670'#
Total Moment = 5,531,970'#
Sec. Modulus Req'd
5,531,970÷16,000 = 345.7 in³
Sec. Mod. 30" CB @ 122# = 347.8

Unit Stresses

Concrete	750#/□"
Structural Steel	16,000#/□"
Reinforcing Steel	16,000#/□"

N. B. Garver
Bridge Engineer

General Notes

Rivets 3/4"Φ Open holes 13/16"

All holes in truss connections to be sub-punched 3/16" and reamed to size while truss is assembled. This applies to field as well as shop rivets.

All field connections shall be riveted.

Floor beam connections to be sub-punched 3/16" and reamed to a metal template.

All intermediate floor beams and all stringers to be milled to exact length after framing angles have been riveted. After milling, the framing angles shall have not less than 7/16" thickness.

Shapes of equal or greater strength may be substituted for shapes shown but payment will be made in accordance with sizes shown on this plan.

Shop Paint: After being completely assembled and shop work finished, all pieces shall be given one coat of Red Lead and Raw Linseed Oil before shipment.

Field Paint: 1st Coat White Lead tinted with Lamp Black. 2nd Coat Aluminum Paint (See Specifications)

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

This drawing shows general features of design only.

Shop drawings shall be made in compliance with specifications, submitted and approved before fabrication is begun.

Specifications: Arkansas Standard Road & Bridge Specifications, adopted May 30, 1925 & Revised.

STANDARD PLAN
140'-0" THRU TRUSS SPAN
22'-0" CLEAR ROADWAY
ARKANSAS STATE HIGHWAY COMMISSION
LITTLE ROCK, ARK.

Drawn by: H.B. Date: 1-25-34
Traced by: A. Date:
Checked by: Date:
Scale: 1/2" = 1'-0"

BRIDGE NO. 1211

DRWG NO. 2435