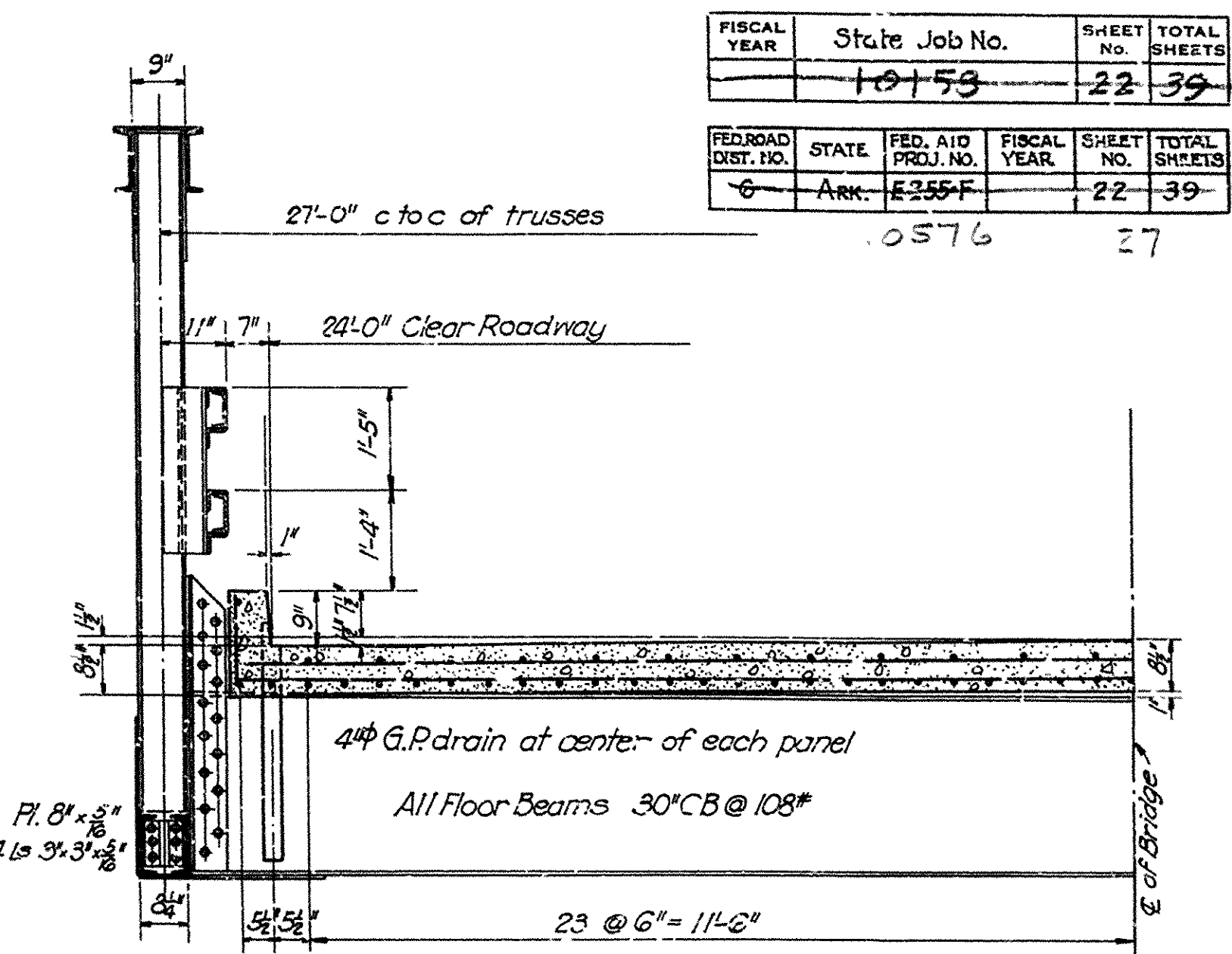
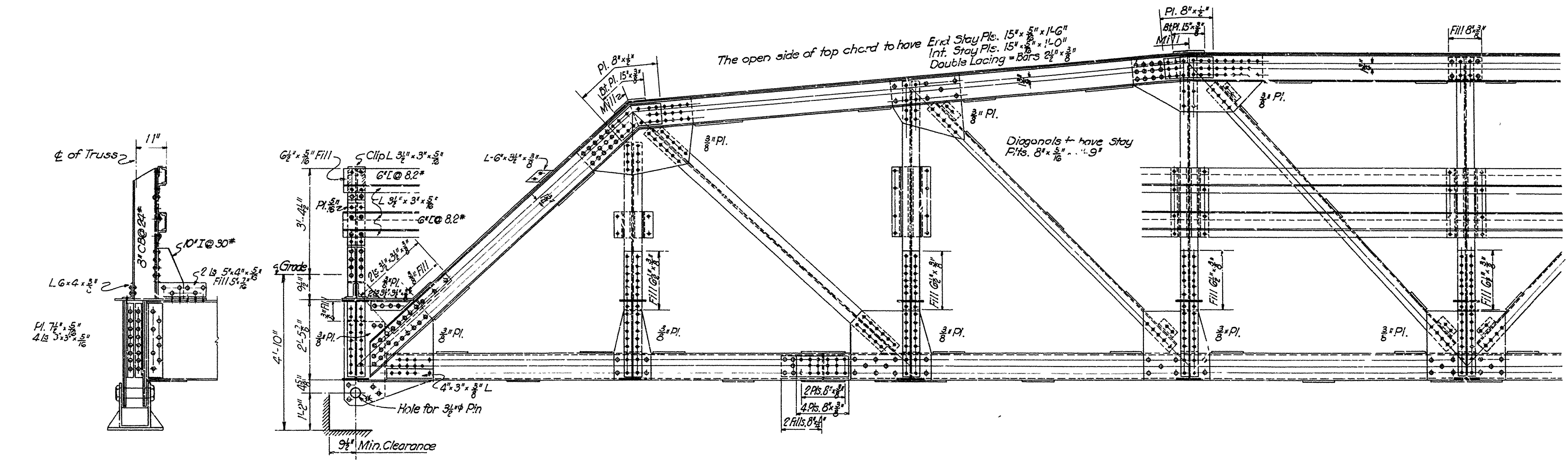


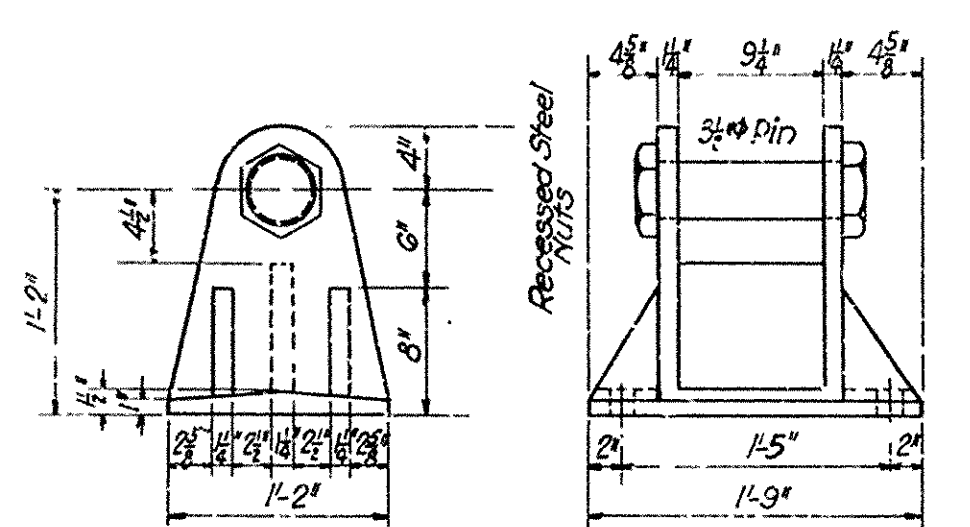
FISCAL YEAR	State Job No.	SHEET NO.	TOTAL SHEETS
	10153	22	39
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR
6	ARK.	E255F	
		SHEET NO.	TOTAL SHEETS
		22	39



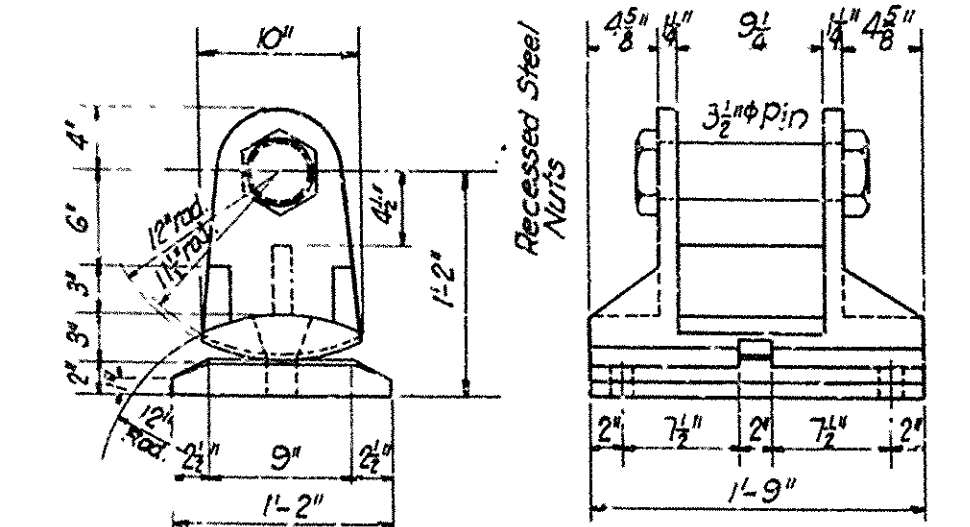
SECTION AT CENTER OF PANEL

FLOOR BEAM DATA

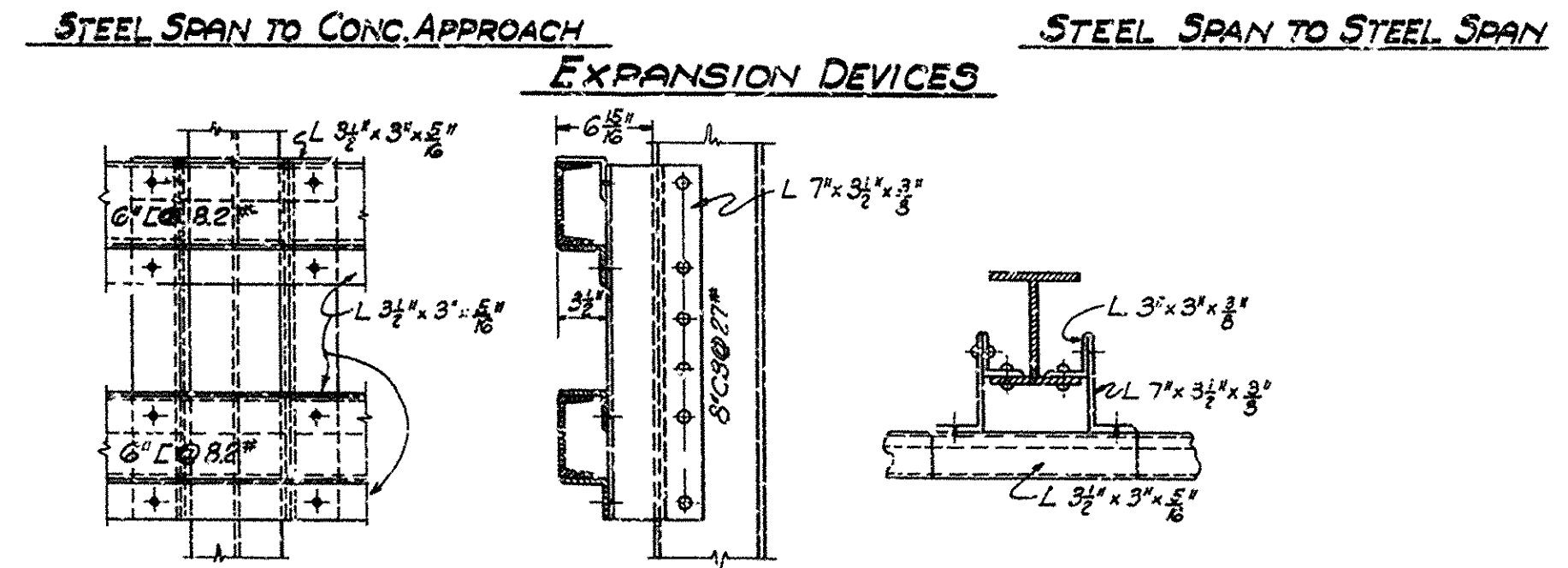
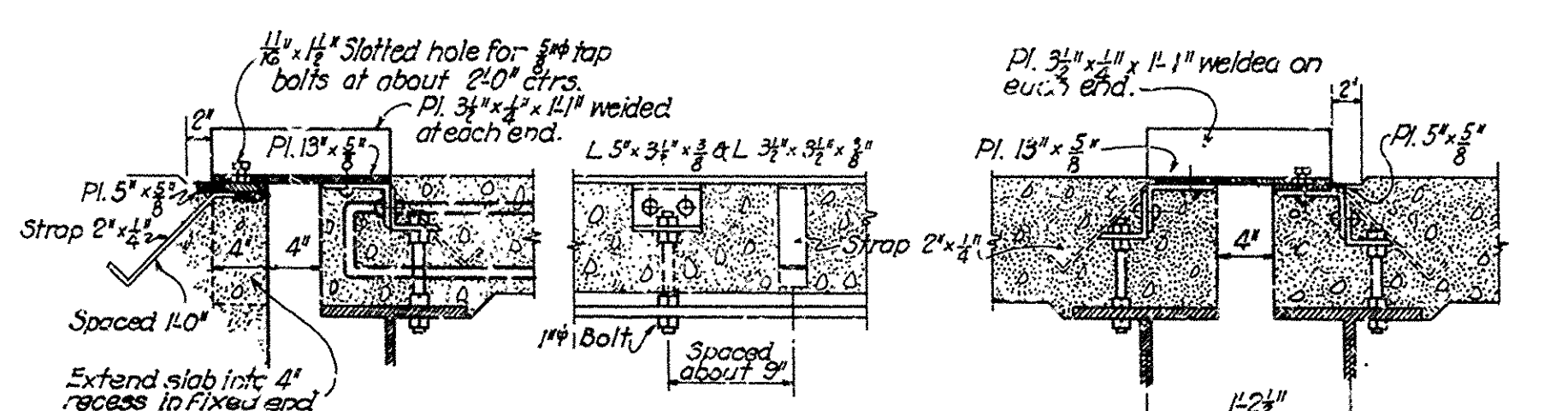
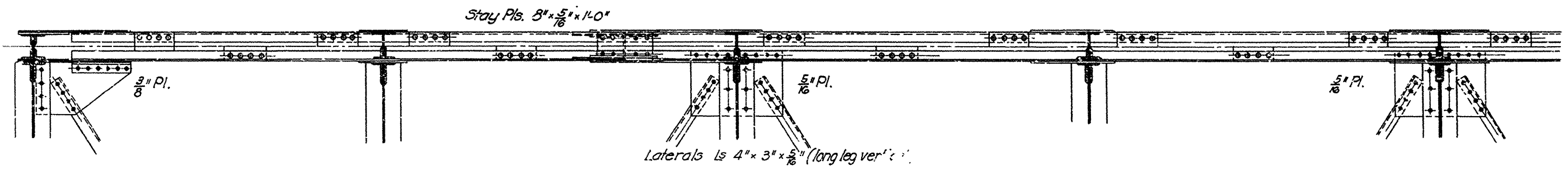
DL Moment = 1,217,400 in. lbs.
 LL Moment = 2,606,400 in. lbs.
 Impact @ 30% = 781,920 in. lbs.
 Total Moment = 4,602,720 in. lbs.
 Section Modulus Req'd = 4,602,720 / 16,000 = 287.7 in³
 Section Modulus 30" CB @ 108" = 304.8 in³



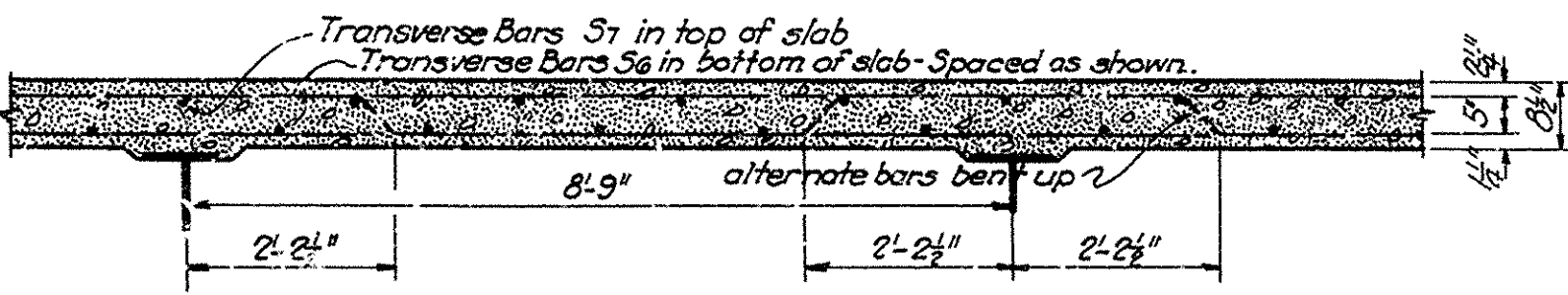
CAST STEEL SHOE - FIXED END
Holes for 2-1/2" Anchor Bolts



CAST STEEL SHOES - EXPANSION END
Holes for 2-1/2" Anchor Bolts



TYPICAL RAIL CONNECTION



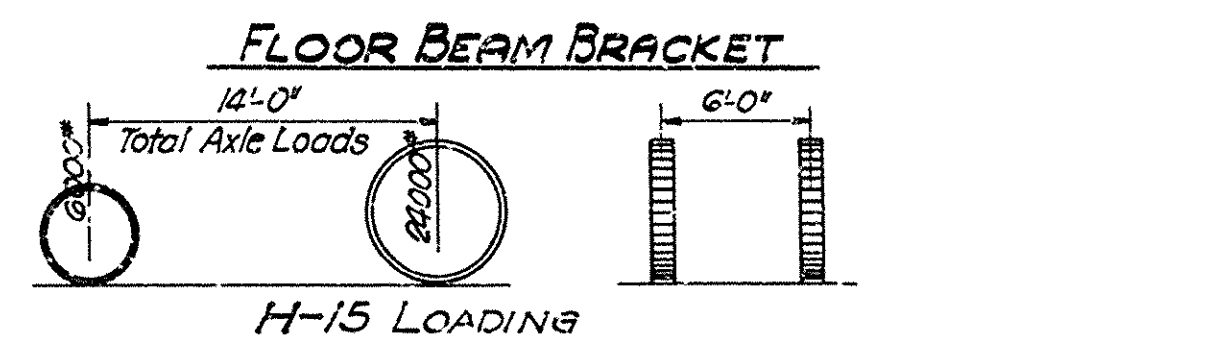
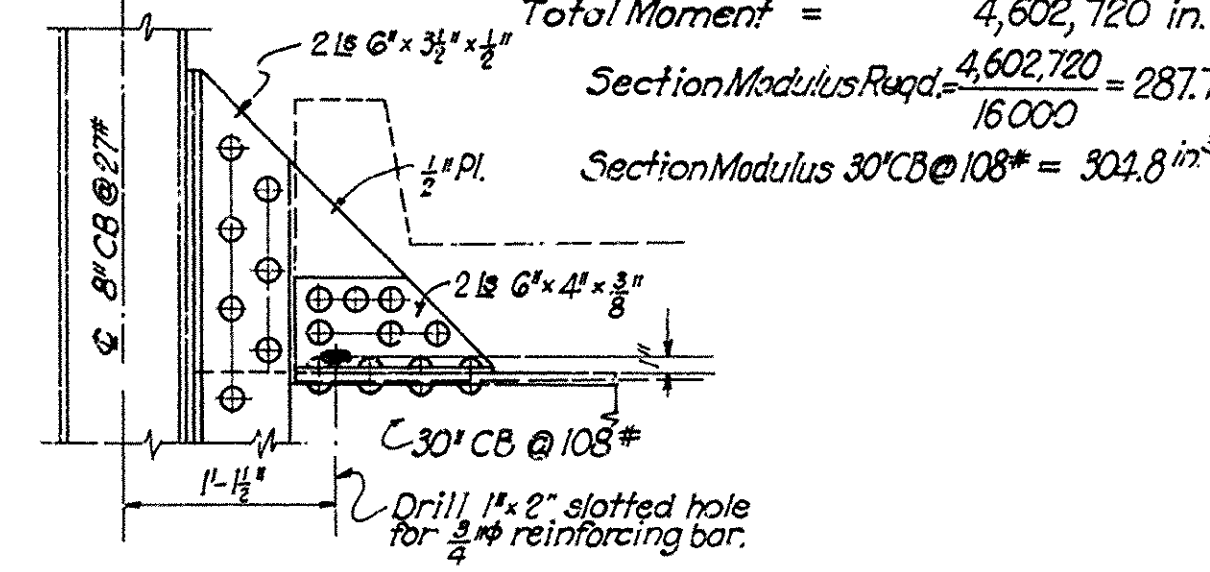
WEIGHTS OF EXPANSION DEVICES

Steel Span to Conc. Approach: 1200 Lbs.
 Steel Span to Steel Span: 1400 Lbs.

QUANTITIES

Class 5 Concrete: 49.46 Cu. Yds.
 Reinforcing Steel: 10820 Lbs.
 Structural Steel: 70240 Lbs.
 Cast Steel: 1430 Lbs.

Note: Structural Steel fanning does not include weight of Expansion Device.

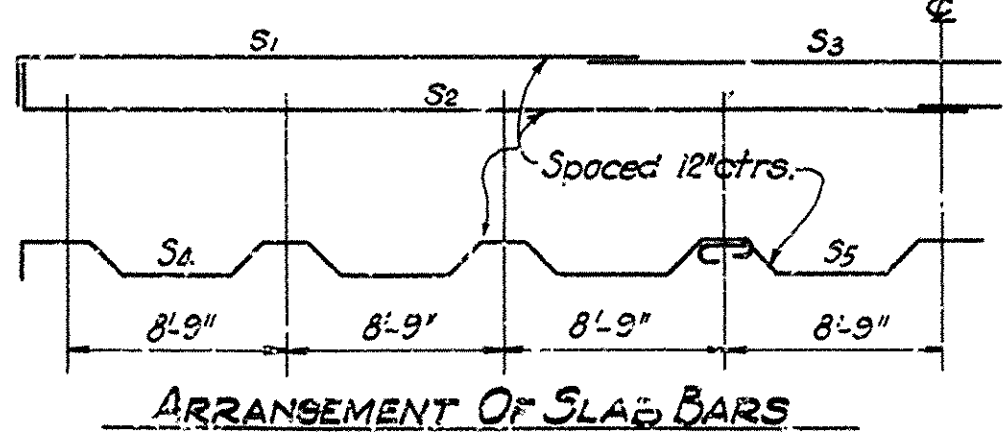


UNIT STRESSES

Concrete: 750# per Sq. In.
 Structural Steel: 16,000# per Sq. In.
 Reinforcing Steel: 15,000# per Sq. In.

GENERAL NOTES:

Rivets 3/4" Open holes 1/2".
 All holes in truss connections to be sub-punched 3/8" and reamed to size while truss is assembled. This applies to field as well as shop rivets.
 Floor beam connections to be sub-punched 3/8" and reamed to a metal template.
 All field connections shall be riveted.
 Shop Paint: After being completely 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 5. One inch has been added for wear.
 All floor beams to be milled to exact length after framing angles have been riveted.
 Shapes of equal or greater strength may be substituted for shapes shown but payment will be in accordance with sizes shown on this plan.
 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 and Bridge Specifications adopted May 30, 1925 & Revised.
 All dimensions relative to reinforcing steel are to centers of bars.



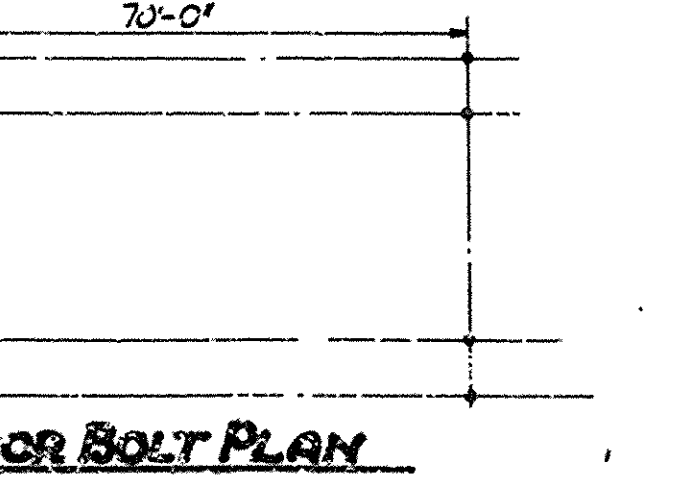
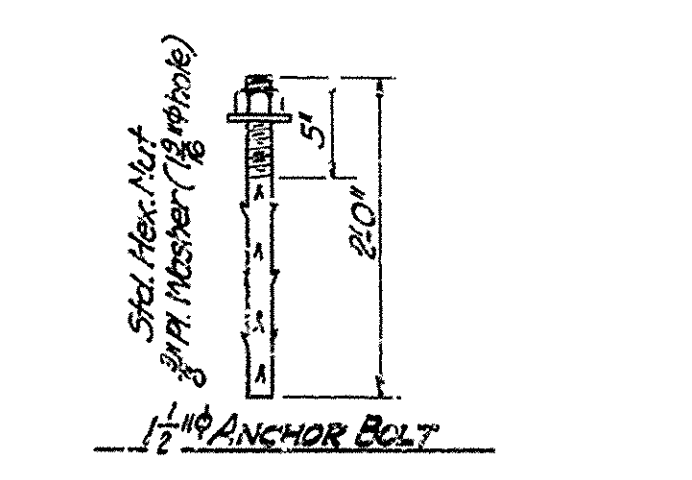
DETAIL OF LATERAL HANGER

5/8" Rod.

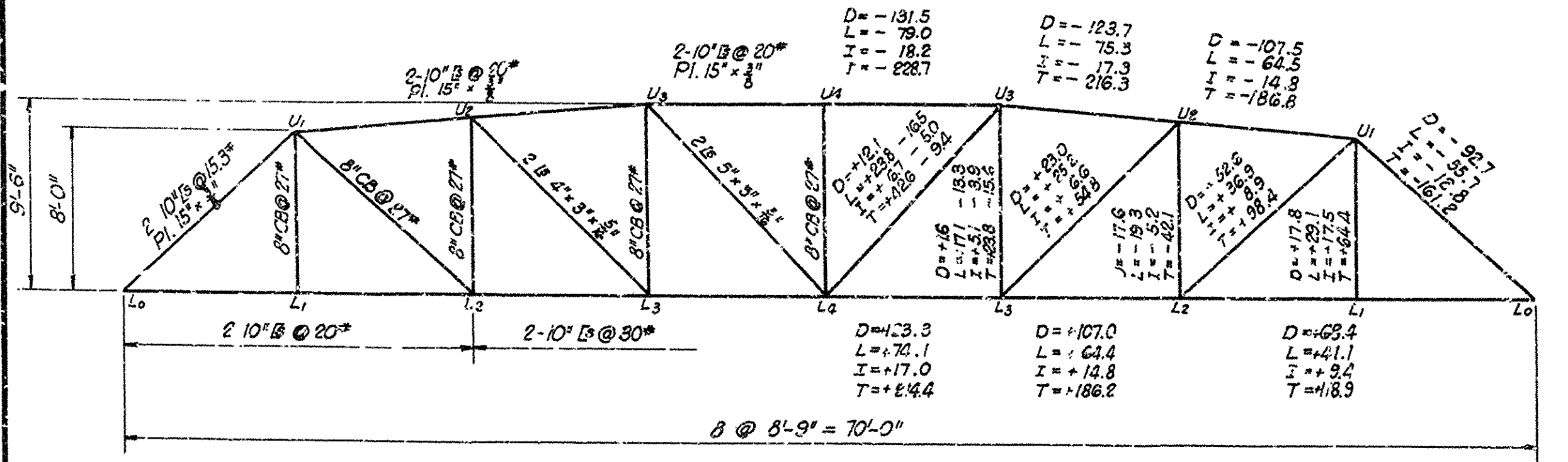
ARRANGEMENT OF SLAB BARS

MARK	No.	SIZE	LENGTH	BENDING DIAGRAM
S1	59	3/4"	28'-7"	Bending diagram for S1
S2	52	3/4"	36'-8"	Bending diagram for S2
S3	26	3/4"	28'-3"	Straight
S4	50	3/4"	30'-6"	Bending diagram for S4
S5	25	3/4"	29'-3"	Bending diagram for S5
S6	42	1/2"	27'-4"	Bending diagram for S6
S7	41	1/2"	28'-11"	Straight

DETAIL OF LATERAL HANGER



ANCHOR BOLT PLAN



SELECTION OF MEMBERS

DESIGN STRESSES

STANDARD PLAN
70'-0" LOW TRUSS SPAN
24'-0" CLEAR ROADWAY

ARKANSAS STATE HIGHWAY COMMISSION
 LITTLE ROCK, ARK.
 Drawn By: H.B. Date: 2-7-32
 T'aced By: E.A.W. Date: 2-10-33
 Checked By: Date:
 BRIDGE NO. [] DRAWING NO. 354!

N.B. Leaver
 BRIDGE ENGINEER

Br. No. 1753