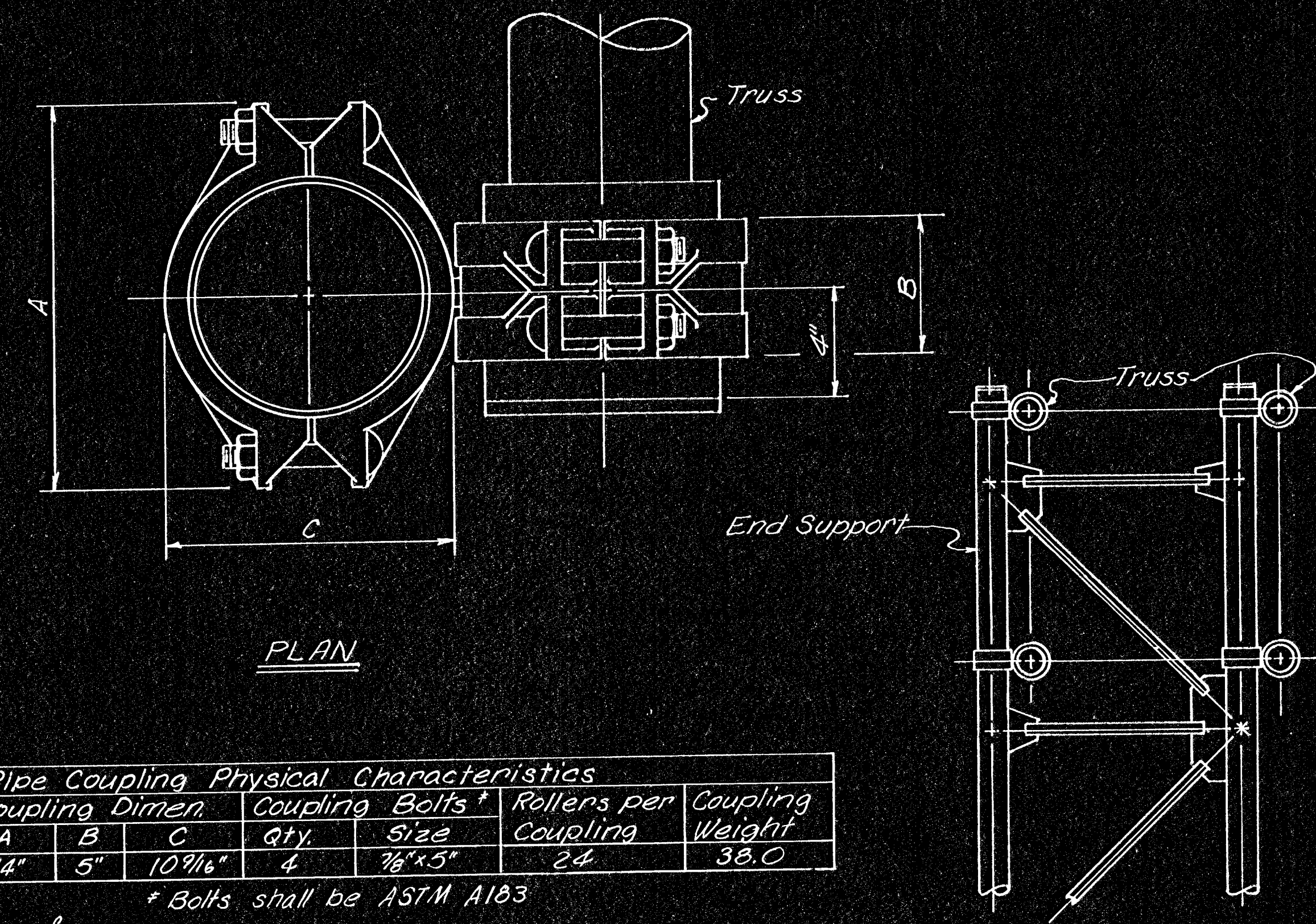
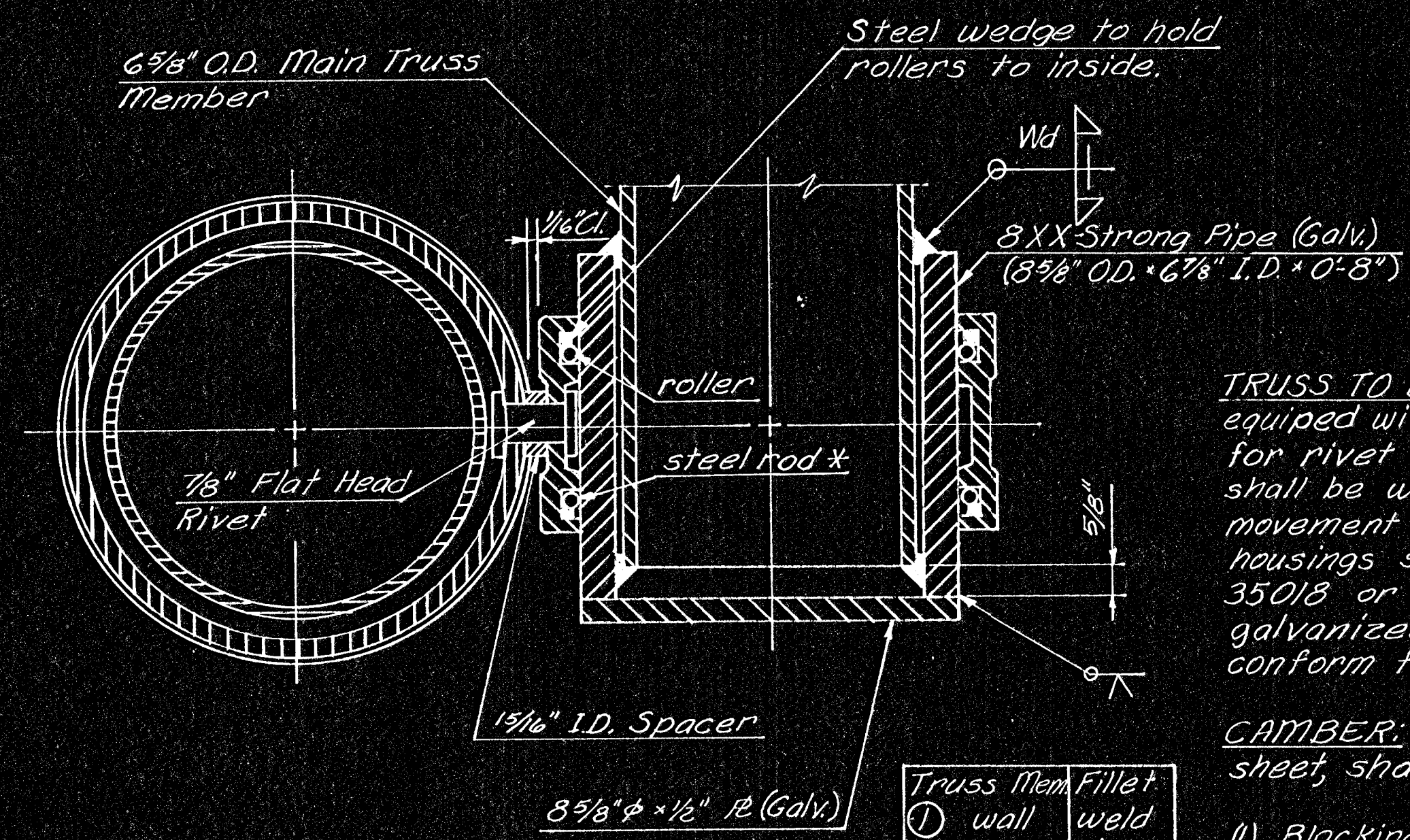
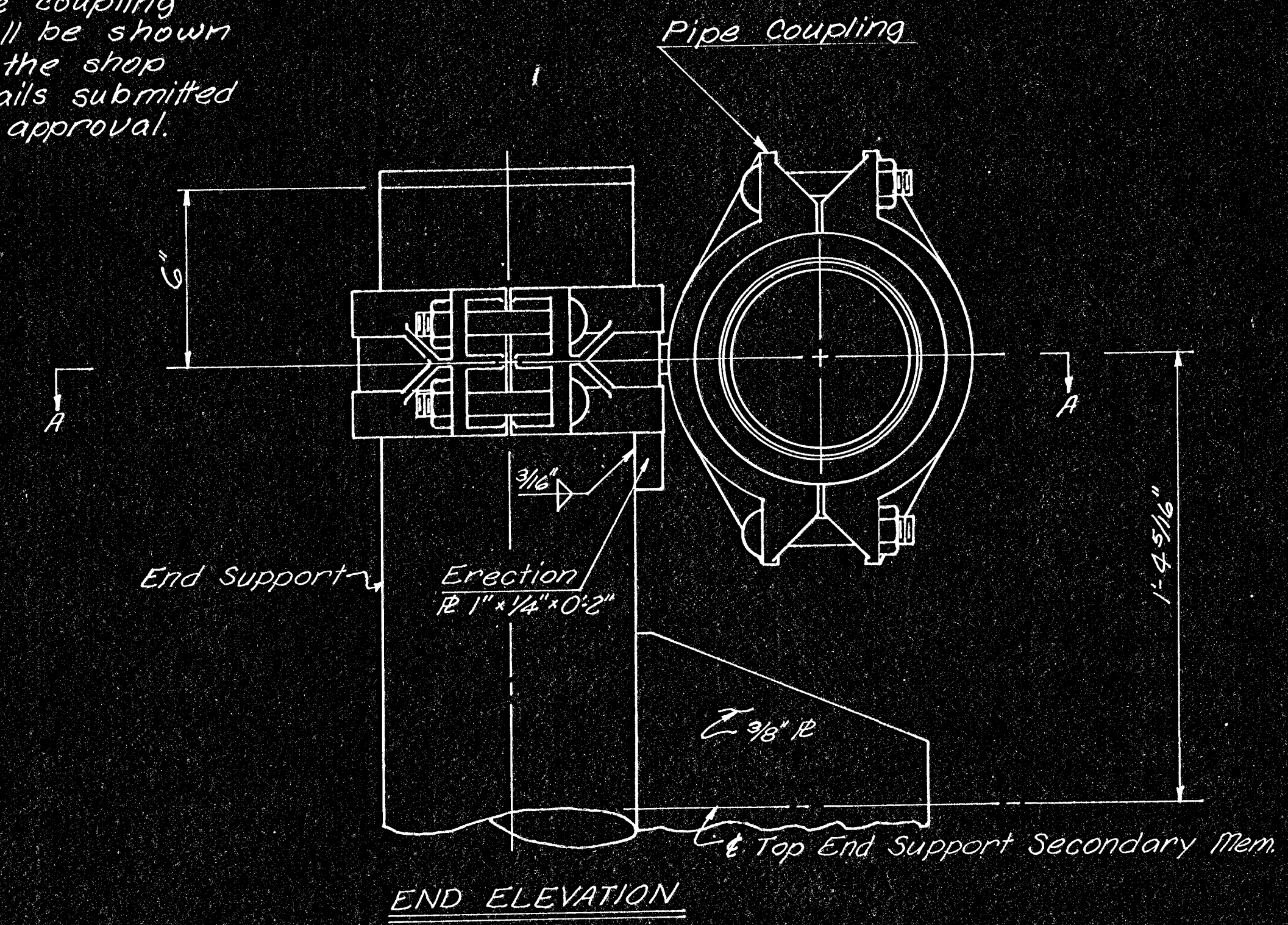




Pipe Coupling Physical Characteristics						
Pipe Dia.	Coupling Dimen.			Coupling Qty.	Bolts Size	Rollers per Coupling
A	B	C				
8.625"	14"	5"	10 9/16"	4	1/2" x 5"	24
						Weight
						38.0

* Bolts shall be ASTM A183

Note: The type of pipe coupling shall be shown on the shop details submitted for approval.



Truss Mem	Fillet
① wall	weld
thickness	size Wt
0.188"	5/16"
0.219"	5/16"
0.280"	3/8"
0.344"	7/16"
0.432"	1/2"

* Replace every other factory roller (alternating sides) with a threaded rod. The threaded rod shall be 0.750" (+0.020") long by 0.5625" (+0.015" or -0.005") outside diameter hardened threaded (18NF Class 1A) 9/16" stainless steel rod (ASTM A320).

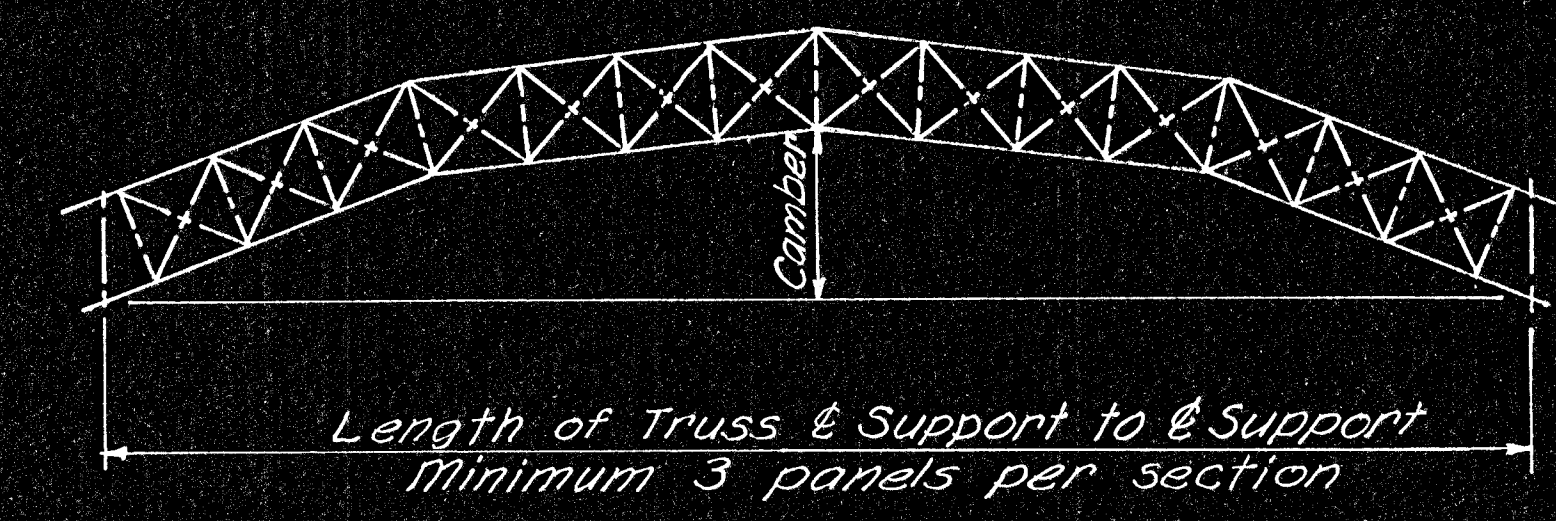
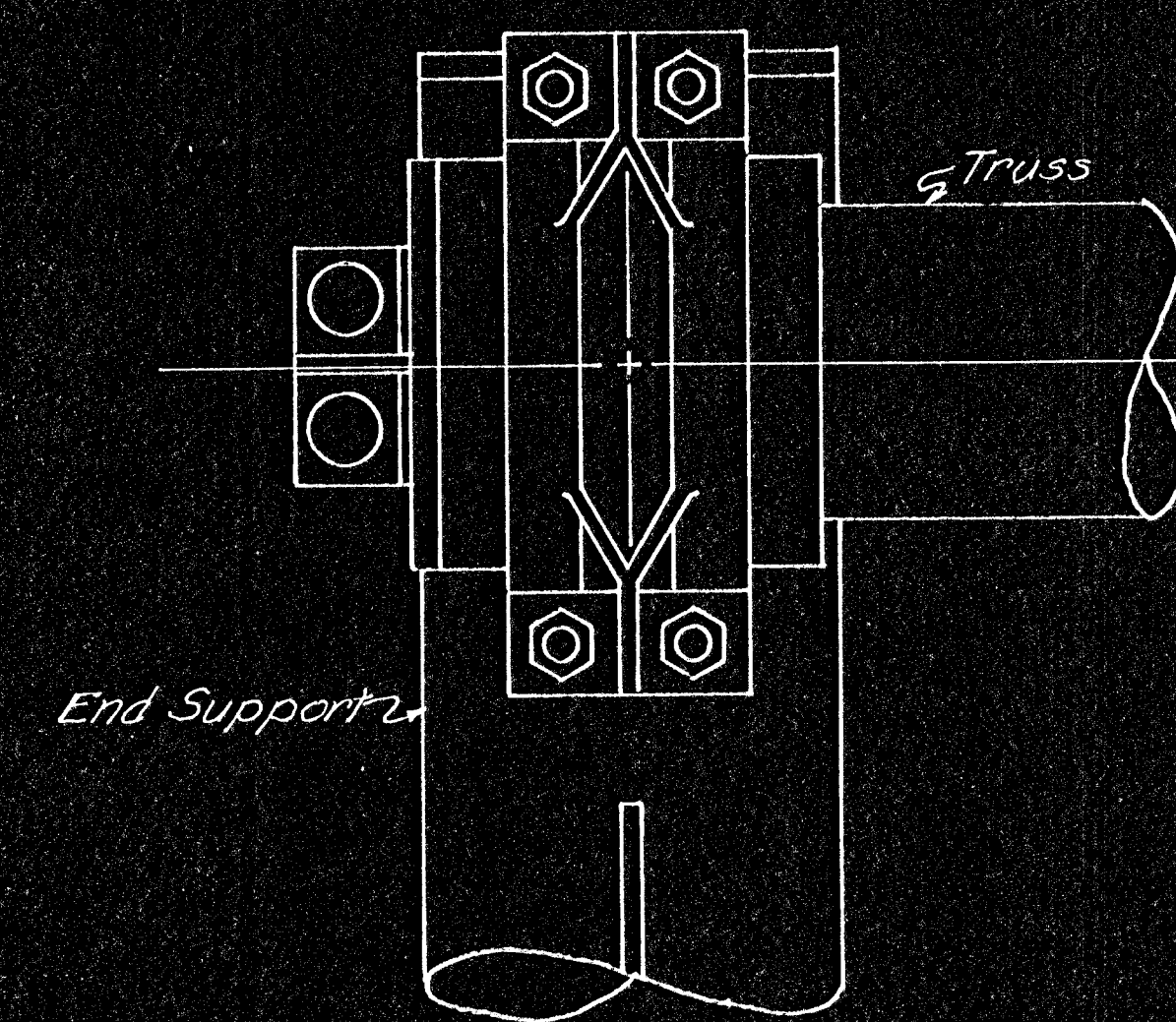
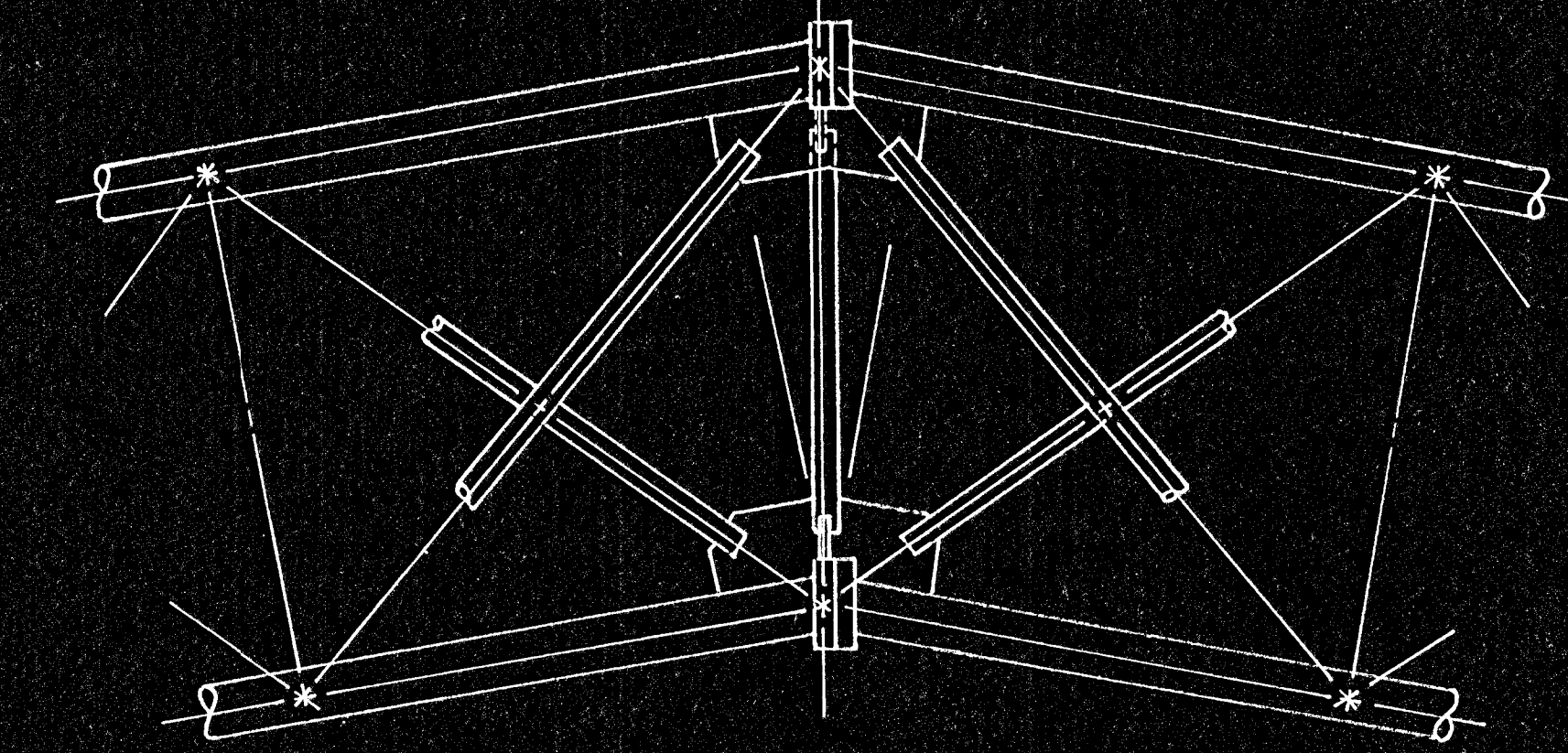
GENERAL NOTES

TRUSS TO END SUPPORT CONNECTION: Use cast pipe couplings equipped with serrated rollers, with housings drilled and spot faced for rivet swivel. All factory rollers, not the threaded rods, shall be wedged to the inside edge, as shown, to prevent movement between the coupling and the steel tube. The housings shall conform to ASTM A47 grade 32510 or 35018 or to ASTM A536 grade 604510 and shall be galvanized according to ASTM A123. The rivets shall conform to ASTM A502 grade 2.

CAMBER: Camber, as given on the construction layout sheet, shall be placed in the truss by:

- (1) Blocking the truss and then welding the joints and splice flanges in place.
- (2) Increasing the length of the top truss chords, making sure the splice flanges will be parallel in the field.
- (3) Placing light gauge spacer plates on the top splice flanges to obtain an increase in the top truss chord as in (2).

BOLT TORQUE: The torque on the coupling bolts shall be 300 ft.-lbs. using the calibrated wrench method.



NO.	DATE	REVISIONS	BY	APP'D
1				
2				
3				

DEPARTMENT OF TRANSPORTATION-KANSAS
STANDARD STRUCTURAL SIGN SUPPORTS
SPAN TYPE OVERHEAD
STEEL TRUSS
TRUSS TO END SUPPORT CONNECTION
AND CAMBER DETAILS

8-75

SHEET NO. 136 OF 143	SCALE	APP'D
DESIGNED BFM	DETAILED LES	QUANTITIES
DESIGN CK. RDT	DETAIL CK. DRE	QUAN. CK.
		TRACE CK.