

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	0	0	0	0

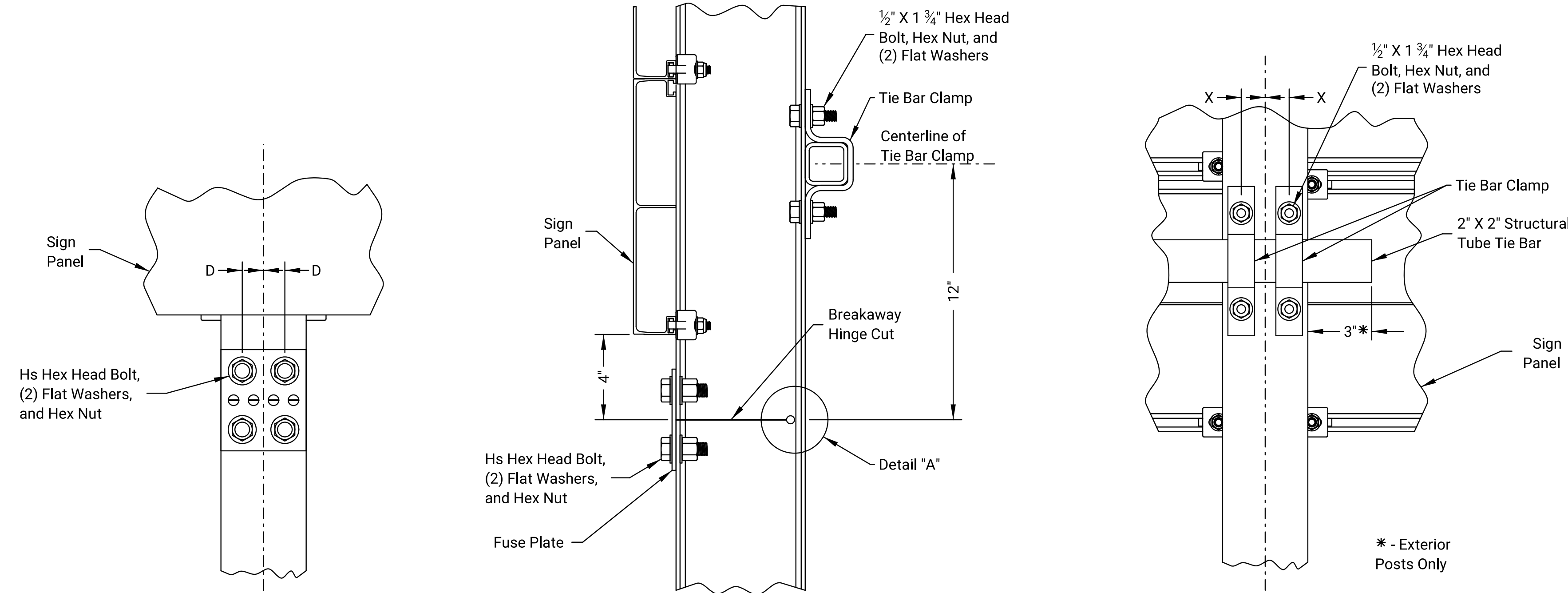
GENERAL NOTES

Fuse plate steel shall conform to ASTM A36 (no substitutes will be allowed). All other structural steel shall conform to ASTM A36 or A572 Grade 345. Alternates using ASTM A588 or A242 Grade 345 or other approved steels may be substituted for ASTM 572 steel. All structural steel shall be galvanized in accordance with ASTM A123 after fabrication.

All high strength bolts, nuts, and washers shall conform to ASTM A325 and shall be coated in accordance with the coating specifications.

The fuse plate shall be centered on the saw cut and the steel post.

It is permissible to close the ends of the structural tubing tie bar with a steel plate.

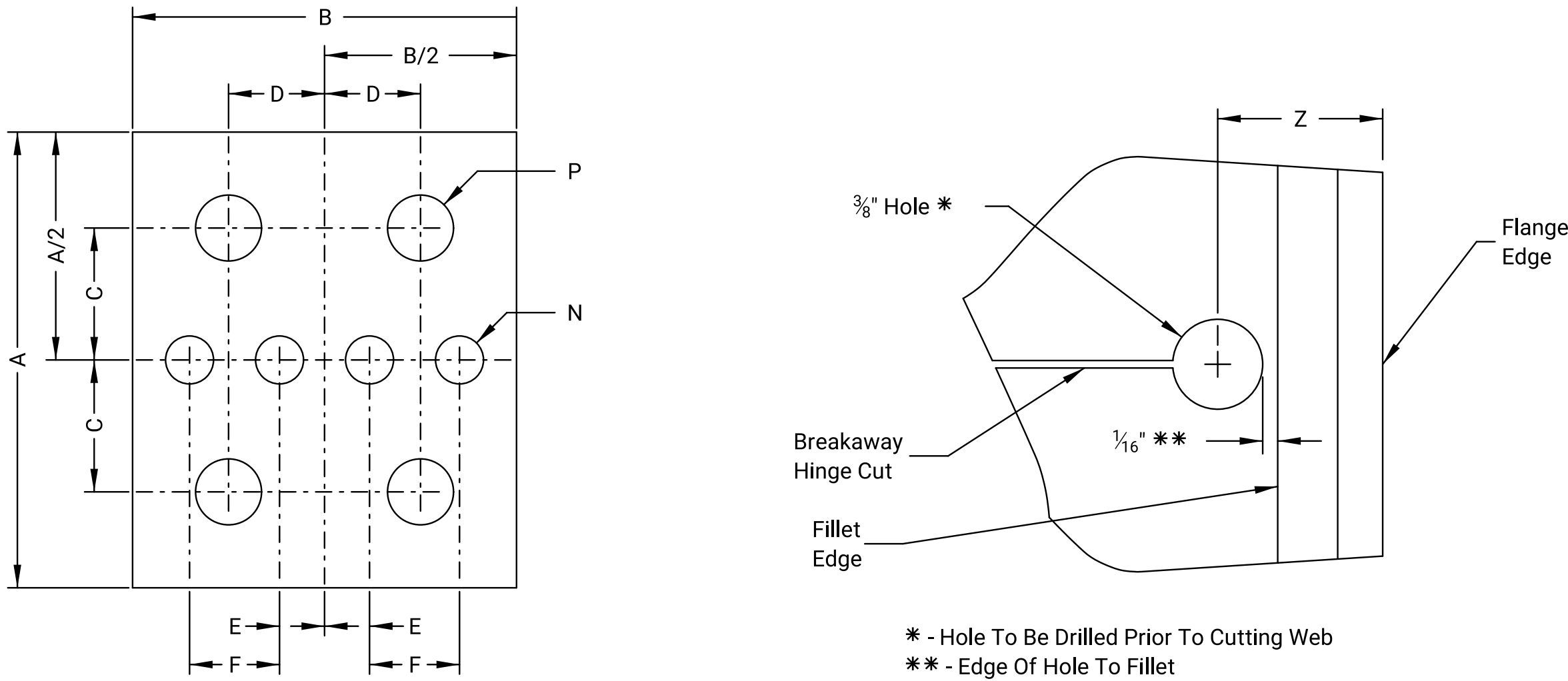


FRONT ELEVATION

SIDE ELEVATION

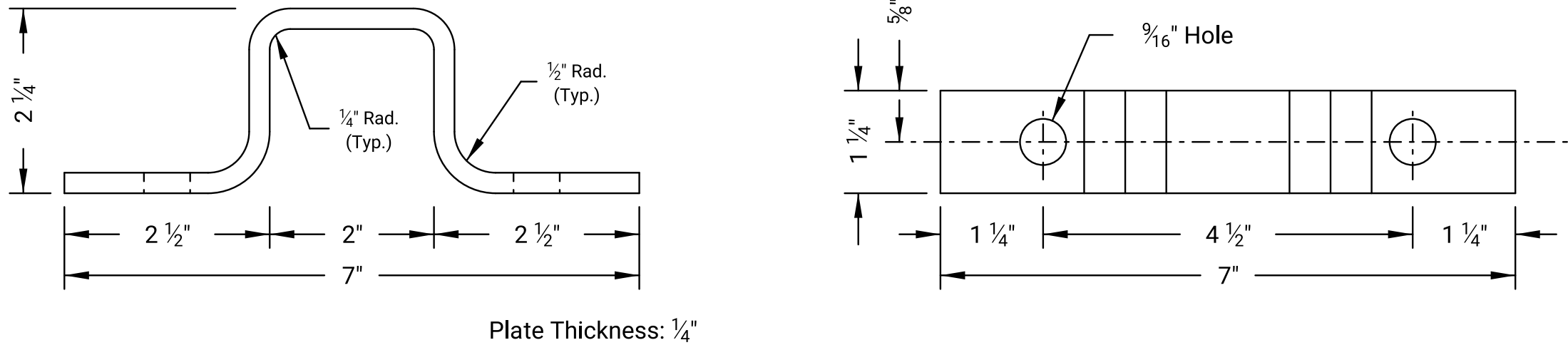
REAR ELEVATION

BREAKAWAY HINGE AND STRUCTURAL TUBE TIE BAR INSTALLATION



FUSE PLATE

DETAIL "A"

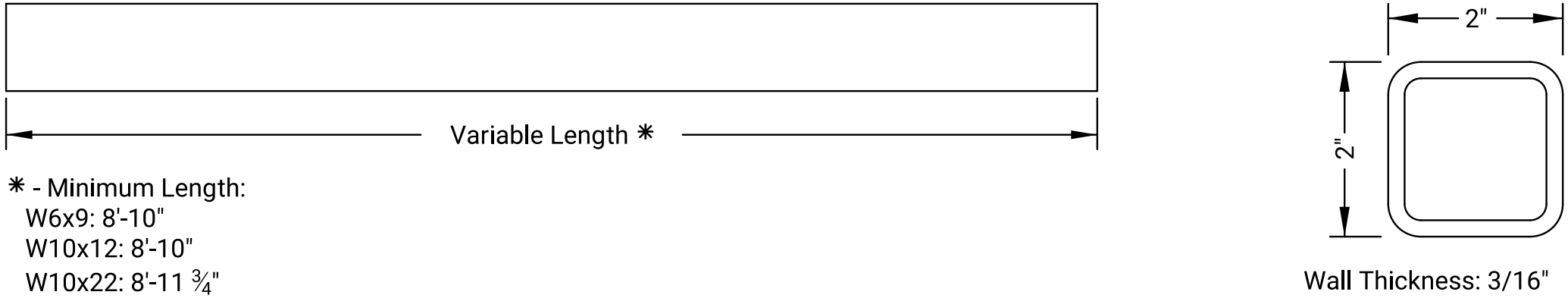


TIE BAR CLAMP

STRUCTURAL TUBE TIE BAR

FUSE DATA TABLE												
POST SIZE	BOLT SIZE	A	B	C	D	E	F	N	P	T3	X	Z
W 6 X 9	5/8" X 1 3/4"	4 3/4"	4"	1 3/8"	1"	15/32"	15/16"	1/2"	11/16"	3/16"	1 1/8"	13/16"
W 10 X 12	3/4" X 2"	4 3/4"	4"	1 3/8"	1"	15/32"	15/16"	15/32"	13/16"	1/4"	1 1/8"	7/8"
W 10 X 22	1" X 2 1/2"	6"	5 3/4"	1 1/2"	1 3/8"	1 1/16"	1 3/8"	2 1/32"	1 1/16"	5/16"	1 3/8"	1"

Dimensions "N" And "P" are Hole Diameters.
Dimension "T3" is the Fuse Plate Thickness.
Dimension "Z" is to the Center of the Hole.



All dimensions are in inches, unless otherwise noted.

KANSAS DEPARTMENT OF TRANSPORTATION					
DETAILS FOR STEEL BEAM BREAKAWAY POSTS					
SHEET 2 OF 2					
TE464			07-01-03		
FHWA APPROVAL		10-01-19		APPD.	
DESIGNED	D.D.G.	DETAILED	A.A.D.	QUANTITIES	TRACED
DESIGN CK.	S.A.B.	DETAIL CK.	D.D.G.	QUAN. CK.	TRACE CK.