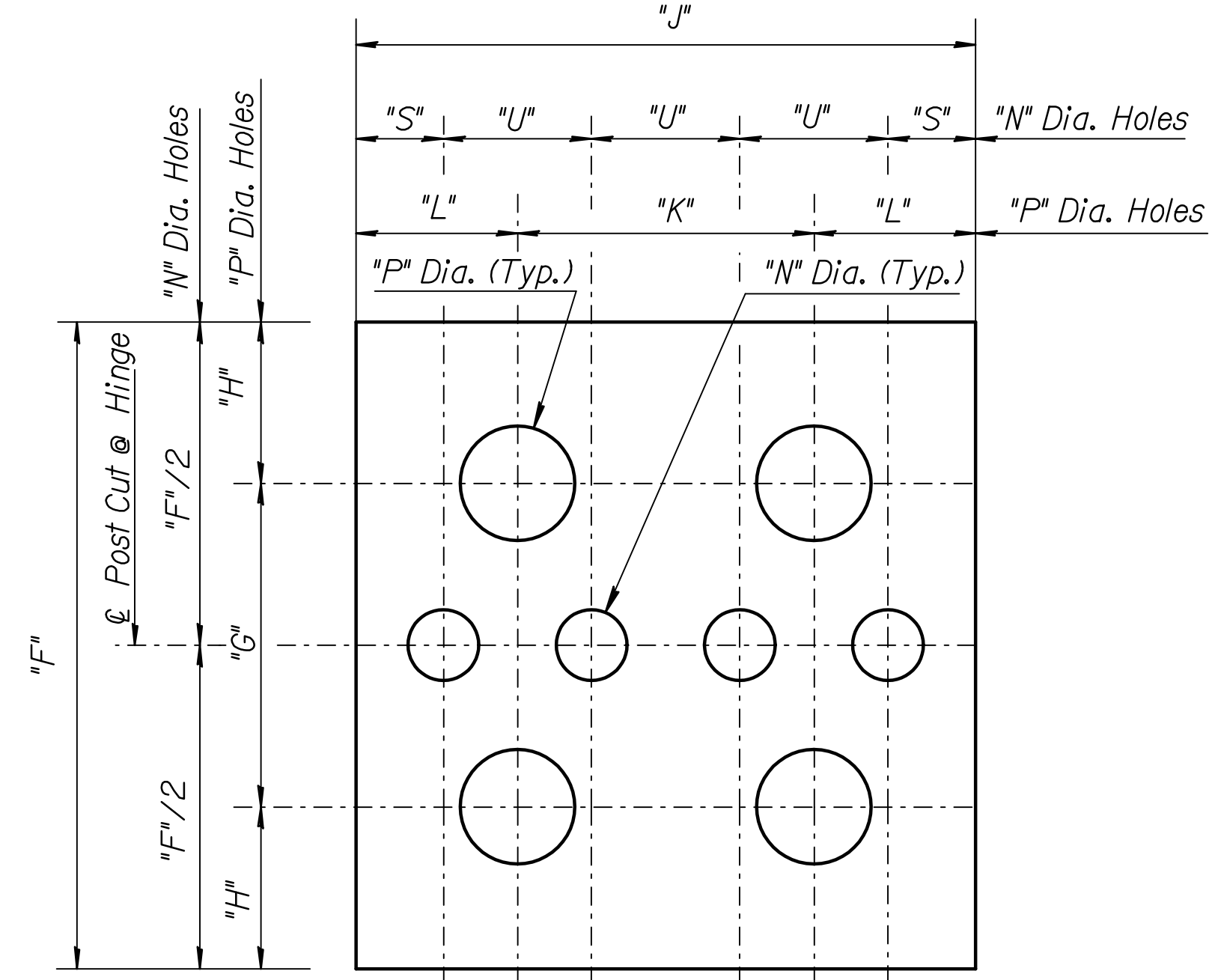
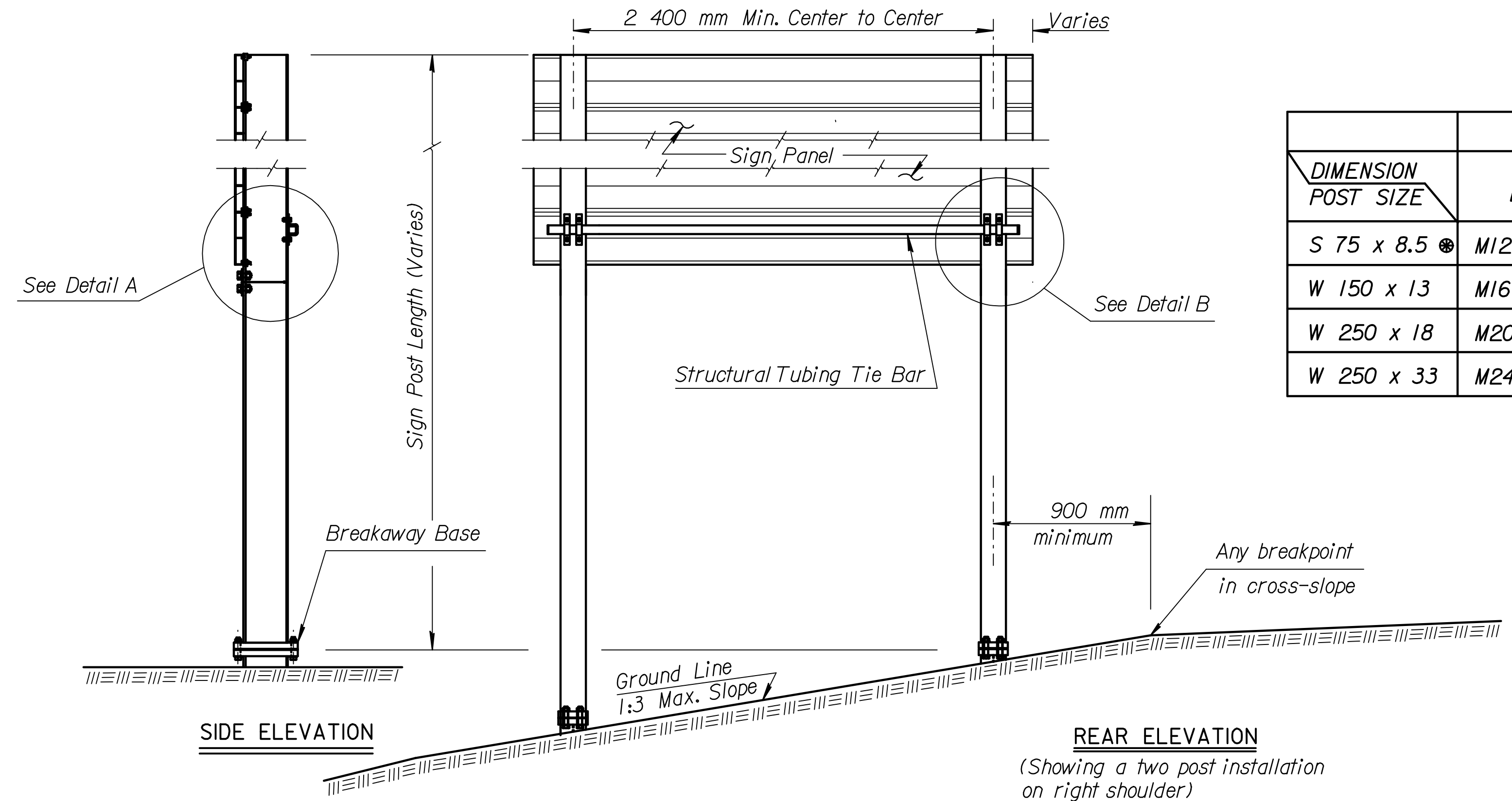


• S 75 x 11 steel post may be substituted for the S 75 x 8.5 steel post

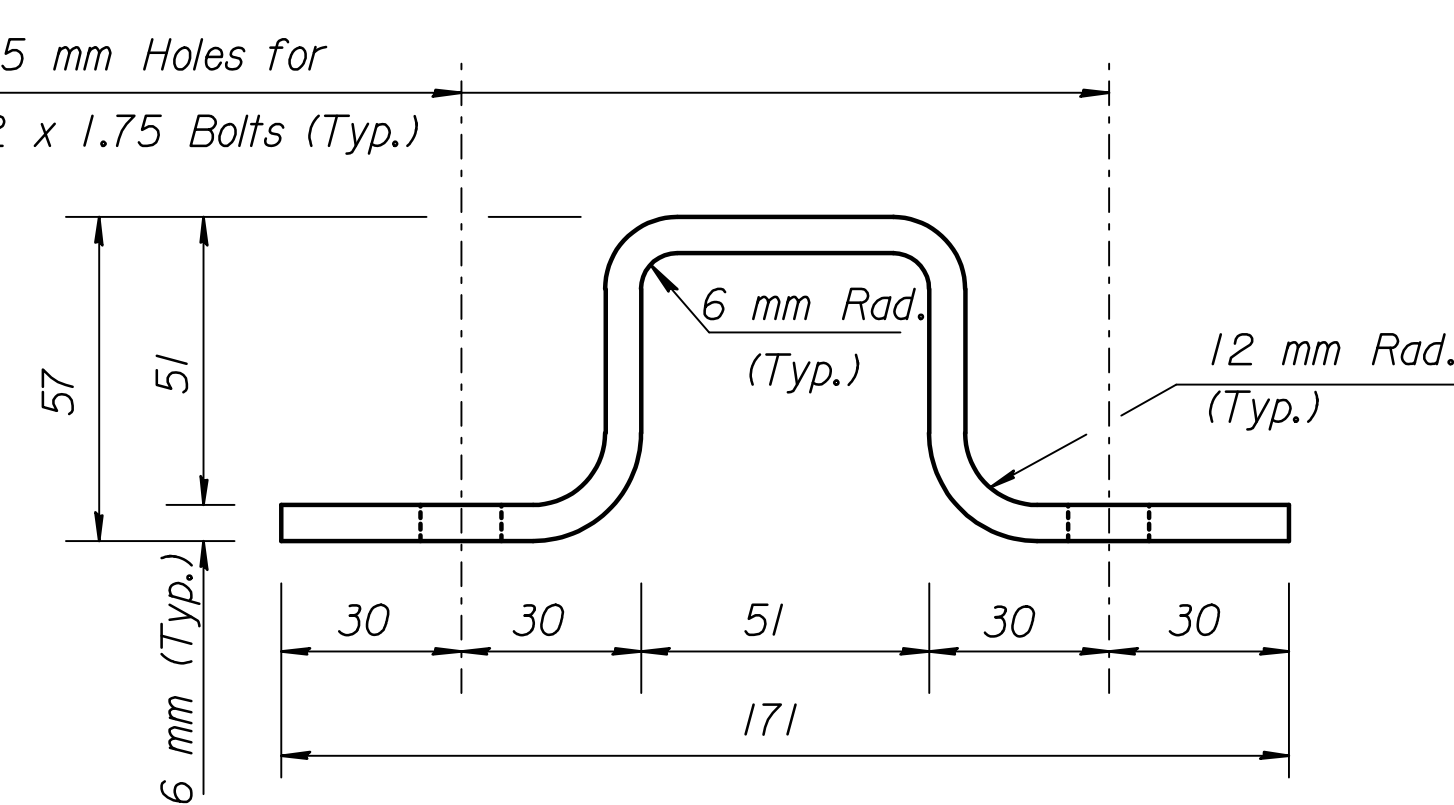
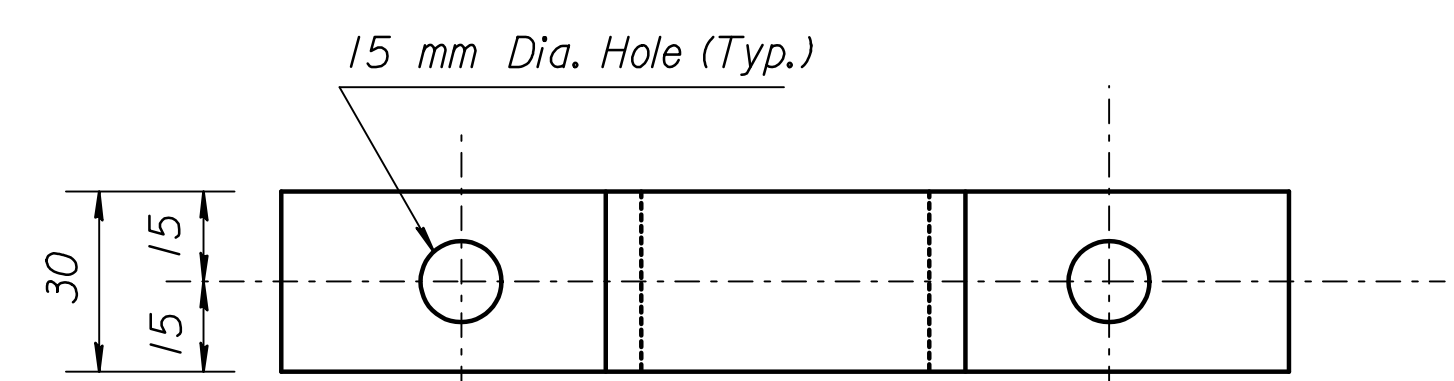
DIMENSION POST SIZE	BOLT SIZE	FUSE DATA TABLE											X	Z
		F	G	H	J	K	L	N	P	U	S	T3		
S 75 x 8.5	M12 x 1.75 x 45	110	66	22	60	36	12	7	14	14	9	5	17	20
W 150 x 13	M16 x 2 x 45	120	70	25	102	52	25	12	18	24	15	5	30	16
W 250 x 18	M20 x 2.5 x 50	120	70	25	102	52	25	11	22	24	15	6	30	18
W 250 x 33	M24 x 3 x 65	156	76	40	147	70	38	17	26	35	21	8	35	22

DESIGN	DATE	BY	CHKD	DATE
DETAIL	DATE	BY	CHKD	DATE
QUANTITIES	DATE	BY	CHKD	DATE
TRACING	DATE	BY	CHKD	DATE
RETRACED	DATE	BY	CHKD	DATE



"T3" = Fuse Plate Thickness

FUSE PLATE DETAIL



CLAMP DETAILS
(2 Required Each Post)

GENERAL NOTES

Design conforms with AASHTO "Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals 1994". Breakaway base and hinge design conforms with "Breakaway Roadside Sign Support Structures", Texas Transportation Institute, Texas A&M University, July 1967.

Materials and fabrication shall conform to the requirements of the Kansas Department of Transportation Standard Specifications for State Road and Bridge Construction and Special Provisions.

Fuse plate steel shall conform to ASTM A36/A36M (No substitutes will be allowed). All other structural steel shall conform to ASTM A36/A36M or A572/A572M Gr. 345. Alternates using ASTM A588/A588M or A242/A242M Grade 345 or other approved steels may be substituted for ASTM A572/A572M steel. All structural steel shall be galvanized in accordance with ASTM A123 after fabrication. All holes shall be drilled. All plate cuts shall preferably be saw cuts; however, flame cutting will be permitted provided all edges are ground. Metal projecting beyond the plane of the plate face will not be tolerated. All high strength bolts, nuts and washers shall conform to ASTM A325M and shall be coated in accordance with the coating requirements of 1614.02 (b) or 1614.02 (e) of the Kansas Department of Transportation Standard Specifications for State Road and Bridge Construction.

The structural tubing tie bar is not to be used when the sign panels are extruded aluminum with a panel thickness of at least 3.18 mm (tolerance -0.25 mm).

NOTE TO THE ENGINEER:
The intent of the "Roadside Design Guide" and these plans is to have a 100 mm or less projection above the ground line after impact.

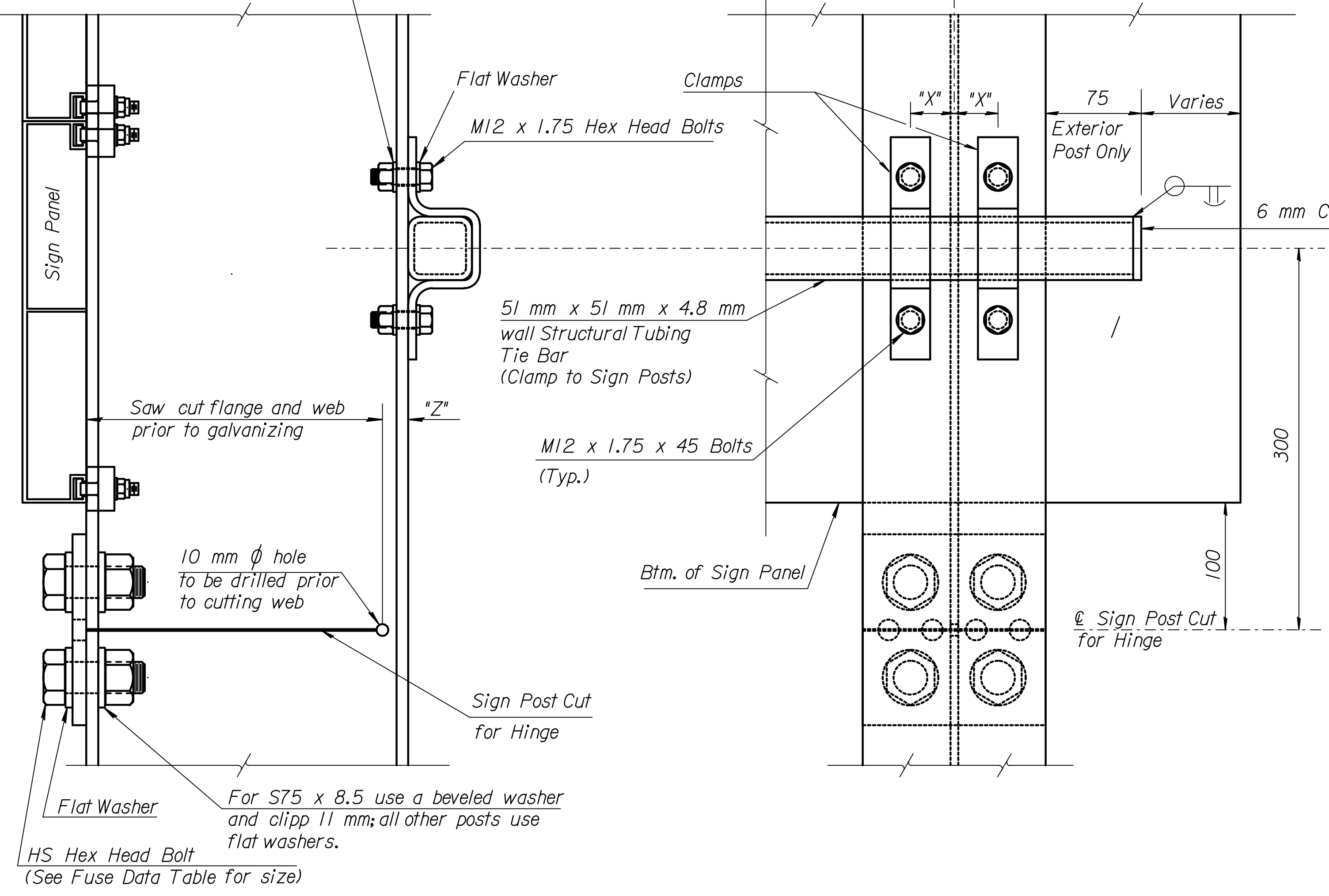
All dimensions in millimeters unless otherwise noted.

NO.	DATE	REVISION	BY	APP'D

KANSAS DEPARTMENT OF TRANSPORTATION
STANDARD STRUCTURAL SIGN SUPPORT
ROADSIDE MOUNTING
STEEL SUPPORT DETAILS
TE425SI Sheet 2 of 2

DESIGNED	DATE	BY	CHKD	DATE

For S75 x 8.5 use a beveled washer and clipp 11 mm; all other posts use flat washers.



DETAIL A

HINGE and SIGN POST TIE DETAILS

DETAIL B

RECORD DRAWING

DSNR: OPER: SVB SCALE: 1
 I:/1997/97362/As-Builts/dgn's/Vol.4/Sh 678-KDOT STD-TE425SI.dgn Last Rev: 9-20-07 By: gdr