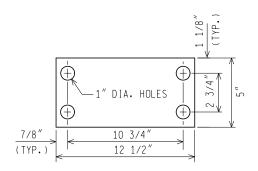


## FUSE PLATE DETAILS

COLUMN	FUSE PLATE DIMENSIONS (inches)												
SIZE	J	K	L	М	N	Р	S	T	U	T <sub>1</sub>	D <sub>1</sub>	D 2	BOLT SIZE
W8 x 13	4	7/8	2-1/4	25/32 ± 1/32	1-7/32 ± 1/32	1-1/4	1-1/4	5	3/32	1/4	13/16	7/8	3/4 DIA. X 1-3/4
W8 × 18	5-1/4	1-1/4	2-3/4	1 + 1/32	1-5/8 + 1/32	1-1/2	1-1/2	6	1/4	5/16	15/16	1-1/4	7/8 DIA. X 2



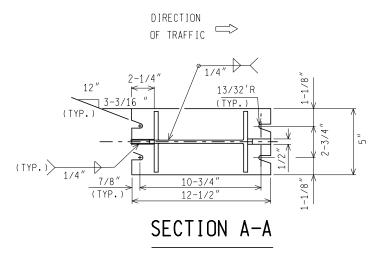
## KEEPER PLATE DETAIL

(28 GA GALVANIZED STEEL)

NOT TO SCALE

MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF DEVELOPMENT STANDARD PLAN

| 05/01/15 | 12/02/14 | SIGN-220-C | SHEET | 2 OF 3



SECTION SHOWN IS FOR INSTALLATION ON RIGHT SHOULDER AND IN GORE. PLATE SLOT BEVELS ARE OPPOSITE HAND FROM THAT SHOWN FOR INSTALLATIONS ON LEFT SHOULDER.

## NOTES:

- 1. PROCEDURE FOR ASSEMBLY OF BASE CONNECTION:
  - A. ASSEMBLE COLUMN TO STUB WITH BOLTS AND WITH ONE FLAT WASHER ON EACH BOLT BETWEEN PLATES.
  - B. NUMBER OF SHIMS LIMITED TO TWO PER COLUMN.
  - C. TIGHTEN BOLTS IN SYSTEMATIC ORDER TO THE PRESCRIBED TORQUE. DO NOT OVERTIGHTEN.
  - D. LOOSEN EACH BOLT & RETIGHTEN TO PRESCRIBED TORQUE IN THE SAME ORDER AS INITIAL TIGHTENING, USE COLORED LOCTITE.
- 2. DESIGN CONFORMS WITH AASHTO SPECIFICATIONS FOR THE DESIGN AND CONSTRUCTION OF STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS.
- 3. MATERIALS AND FABRICATION PER MDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION.
- 4. ALL HIGH STRENGTH NUTS SHALL BE OF SUCH CAPACITY AS TO DEVELOP THE BOLT STRENGTH
- 5. ALL STRUCTURAL STEEL SHALL BE GALVANIZED AFTER FABRICATION EXCEPT WHERE NOTED.
- ALL CONTACT AREAS OF PLATES AND COLUMN FLANGES SHALL BE FREE OF GALVANIZING BEADS OR RUNS.
- 7. THE KEEPER PLATE SHALL BE FABRICATED FROM 28 GA GALVANIZED STEEL AND PLACED BETWEEN THE COLUMN AND STUB.
- 8. WHEN EXISTING STEEL COLUMN BREAKAWAY SUPPORTS ARE TO BE RETAINED, REPLACE BOLTS, WASHERS, NUTS AND KEEPER PLATE.
- 9. THE SIGNS SHOULD BE PLACED ON THE SUPPORTS FOLLOWING SHS 10 SUPPORT HOLE PLACEMENT, FOR RECTANGULAR SIGNS THE SUPPORT SHOULD BE LONG ENOUGH TO REACH THE TOP OF THE SIGN. THE SUPPORT SHOULD NOT EXTEND BEYOND THE TOP EDGE OF THE SIGN, FOR SIGNS THAT ARE NOT RECTANGULAR THE SUPPORT SHOULD EXTEND TO THE TOP OF THE SIGN WITHOUT EXTENDING BEYOND THE TOP EDGE. THE SUPPORT SHOULD NOT BE VISIBLE WHEN FACING THE SIGN.

## NOT TO SCALE