



## NOTES:

1. THE CRASH RESPONSE TYPE FOR THIS STRUCTURE IS BREAKAWAY.
2. TO MEET CRASHWORTHY REQUIREMENTS THE DISTANCE BETWEEN THE BOTTOM OF THE SIGN PANEL AND THE GROUND SURFACE BELOW ANY PORTION OF THE PRIMARY SIGN PANEL MUST BE A MINIMUM OF 7 FEET. SEE TABULATIONS FOR MOUNTING HEIGHT.
3. FOR SHEAR BOLT BASE USE APPROVED PRODUCT FROM MnDOT APPROVED PRODUCTS LIST, PRODUCT MUST BE MODIFIED AS SHOWN.
4. USE ANTI SEIZE ON THE SHEAR BOLT CONNECTIONS.
5. FOR SIGN PANEL MOUNTING DETAILS SEE SQUARE TUBE SIGN MOUNTING DETAILS.
6. SQUARE TUBE SIGN POSTS PER MnDOT SPEC. 3402.

## SHEAR BOLT BASE

FOR 2 INCH SQUARE TUBE IN SOIL

DRAWN BY:	CHECKED BY:	CERTIFIED BY _____ LICENSED PROFESSIONAL ENGINEER	LIC. NO. _____ DATE 4/20/2021	STATE PROJ. NO. (T.H. )	SHEET NO. OF SHEETS
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