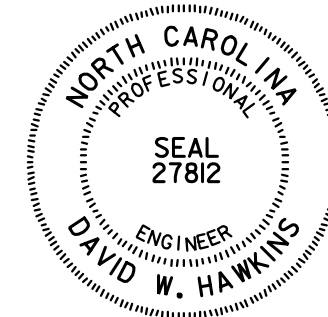
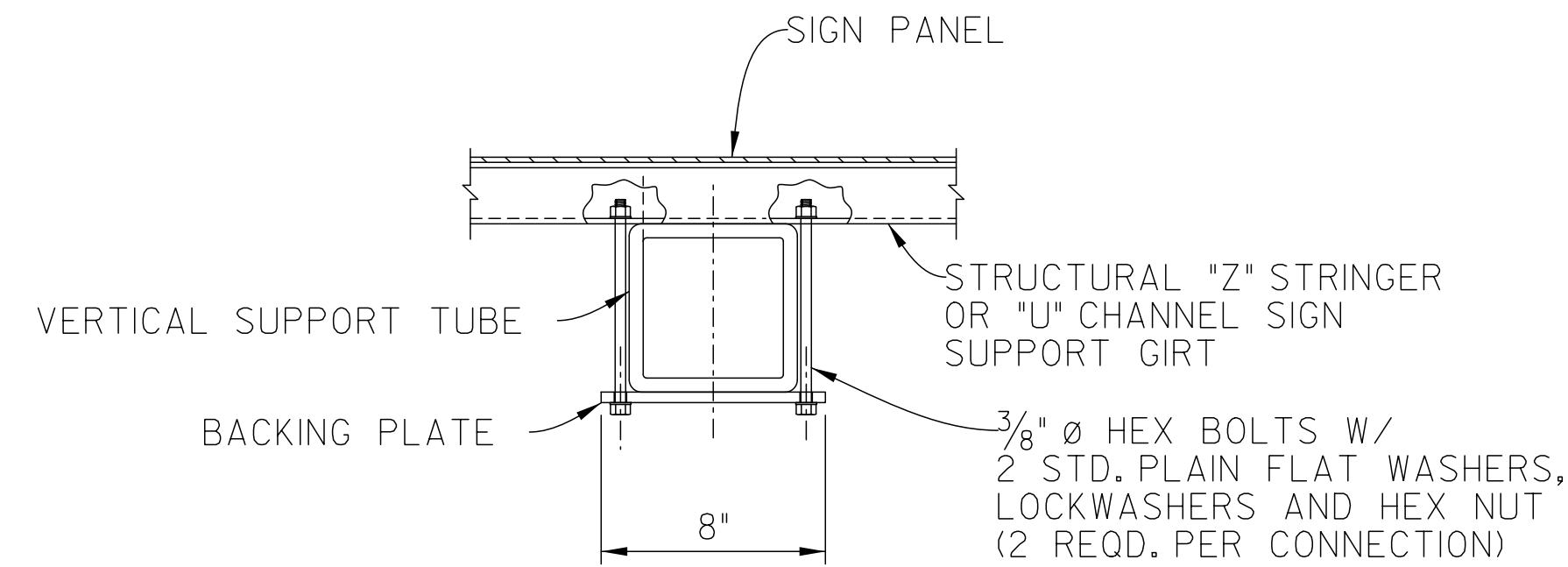
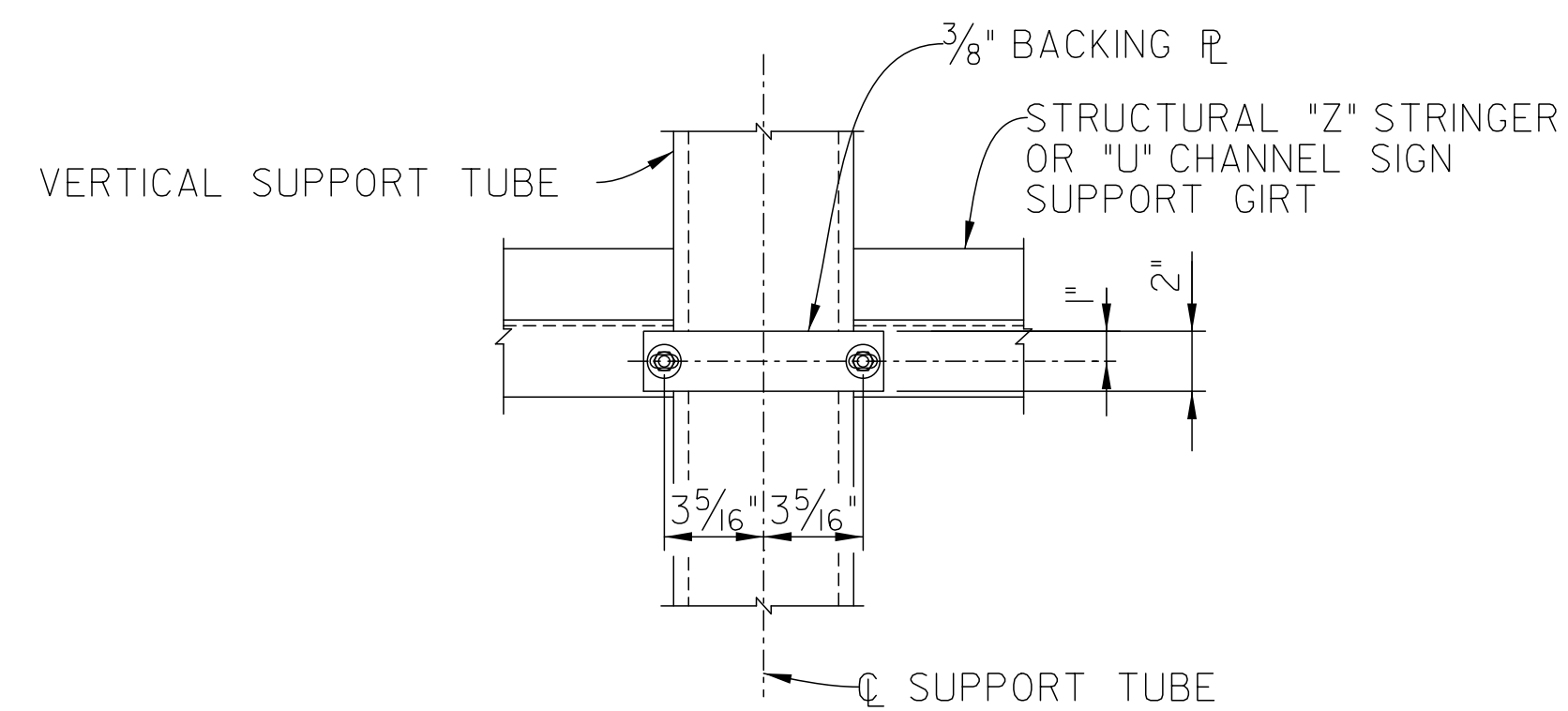


TIP NO. U-2524D	SHEET NO. SIGN-2E
APPROVED: <u>David W. Hawkins</u>	
DATE: 6/15/2016	
SEAL	
	
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	



PLAN VIEW



ELEVATION

SIGN CONNECTION DETAILS

NOTES:

1. INFORMATION ON THIS DRAWING IS GIVEN PRIMARILY FOR STRUCTURAL FABRICATION AND ERECTION OF NON-STANDARD BRIDGE MOUNTED SIGN SUPPORT ASSEMBLIES. ANY ADDITIONAL SIGN INFORMATION REQUIRED SHALL BE FOUND ELSEWHERE IN THE SIGNING PLANS.
2. ALL BOLTS IN VERTICAL AND HORIZONTAL STRUCTURAL STEEL TUBE CONNECTIONS SHALL BE 3/4" Ø STAINLESS STEEL/300 SERIES HIGH STRENGTH BOLTS CONFORMING TO ASTM F593.
3. FOR ADHESIVELY ANCHORED ANCHOR BOLTS, SEE SECTION 420 OF THE STANDARD SPECIFICATIONS.
4. ALL PLATE SHALL BE 6061-T6 ALUMINUM PER ASTM B209.
5. ALL TUBING SHALL BE 6061-T6 ALUMINUM PER ASTM B221.
6. THE 1" BASE PLATE, OR ANY OTHER ALUMINUM SURFACE IN CONTACT WITH CONCRETE SHALL BE THOROUGHLY COATED WITH AN ALUMINUM IMPREGNATED CAULKING COMPOUND OF APPROVED QUALITY.
7. WELDING SHALL COMPLY WITH AWS D1.2/D1.2M STRUCTURAL WELDING CODE - ALUMINUM.
8. THE CONTRACTOR MAY CHOOSE ONE OF THE FOLLOWING TWO OPTIONS FOR ANCHOR BOLTS:
  - A. ADHESIVE ANCHOR OPTION:
 

INSTALL ANCHORS IN ACCORDANCE WITH THE SPECIAL PROVISION "ADHESIVELY ANCHORED ANCHOR BOLTS OR DOWELS". LEVEL TWO FIELD TESTING IS REQUIRED.

BASE PLATE MUST BE FLUSH WITH BACK FACE OF CONCRETE RAILING. MAINTAIN A MINIMUM COVER OF 2" FROM FACE OF TRAFFIC RAILING TO TIP OF ADHESIVE ANCHOR.
  - B. CAST-IN-PLACE ANCHOR OPTION:
 

CAST-IN-PLACE ANCHORS SHALL BE 1" DIA. STAINLESS STEEL HEX HEAD BOLTS.

TIE ANCHOR BOLTS SECURELY AND USE TEMPLATES AS NECESSARY TO MAINTAIN BOLT SPACING.

THE CONTRACTOR MAY USE THREADED COUPLERS TO FACILITATE SLIP FORMING OF THE BARRIER RAILS. KEEP COUPLER THREADS FREE OF CONCRETE.