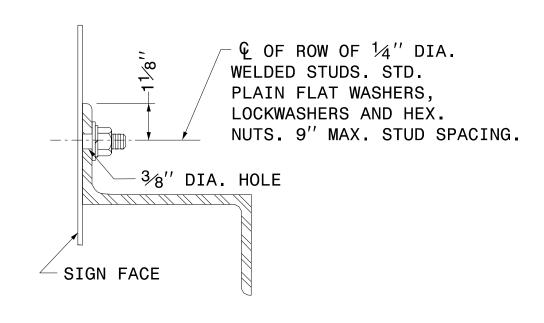
TIP NO. SHEET NO. SIGN-1B I-5997 Ayman Alqudwah APPROVED: Dec 7, 2021 DATE: SEAL

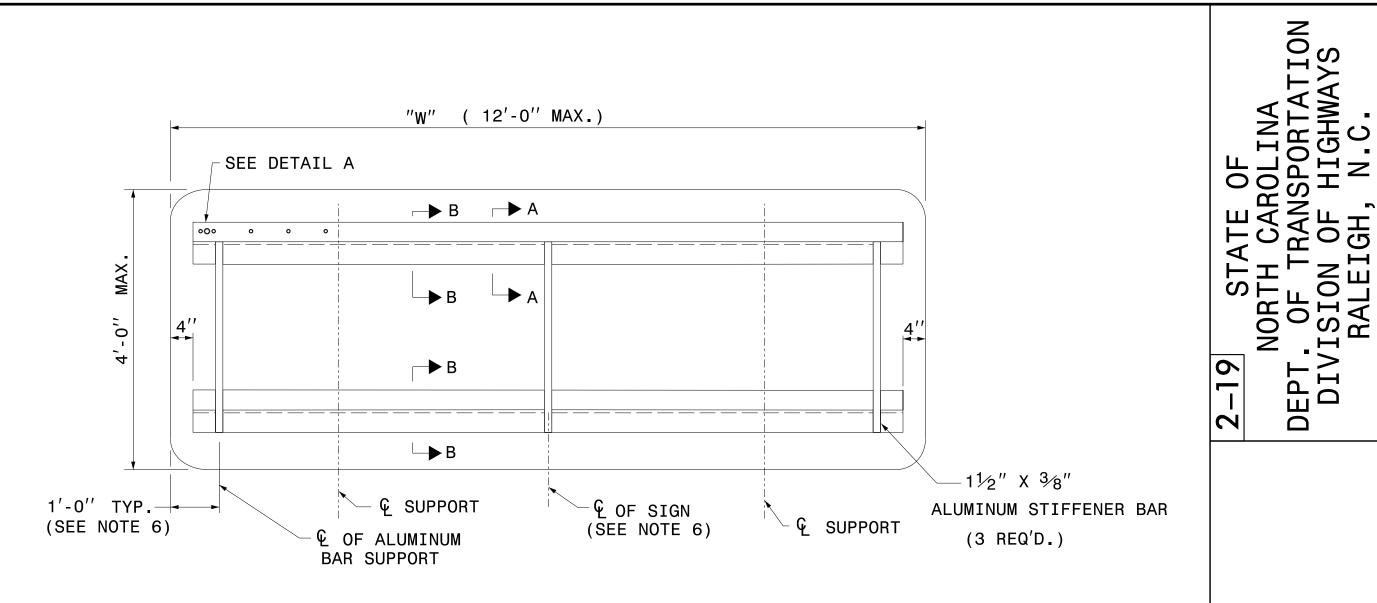
EP1 STATE OF 2-19
NORTH CAROLINA
PT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C. FLAT WASHER- $^{-3}/_{8}$ " - 16 NYLON INSERT LOCK NUT $\frac{1}{16}''$ - $\frac{1}{8}''$ GAP 3/8" DIA. THRU BOLT NOTE # 7 NYLON WASHER $\frac{3}{8}$ "I.D., $\frac{7}{8}$ "O.D., $\frac{1}{16}$ "THICK 999 $\frac{7}{16}$ " DIA. HOLE √1/4'' WELDED STUD ∠ SIGN FACE DETAIL "A" 9 1/4" DIA. WELDED STUD

WITH STD. PLAIN FLAT WASHER, LOCK WASHER AND HEX. NUT - (2) $\frac{3}{8}$ " DIA. BOLTS WITH (2) STD. PLAIN FLAT WASHERS AND (1) LOCK WASHER AND (1) HEX. NUT 3/8" DIA. HOLE PER BOLT. SIGN FACE 3" X $2^{11}/6$ " X 1/4" X 2.33 LB/FT \perp \perp 11/2" X 3/8" ALUMINUM STIFFENER BAR ALUM. "Z"

> SECTION A-A STIFFENER DETAIL



SECTION B-B



NOTES:

- 1. USE NUMBER AND SIZE OF SUPPORTS SHOWN ON SUPPORT CHART IN PROJECT PLAN SHEETS.
- 2. SEE NCDOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES FOR THE TYPE OF MATERIAL TO BE USED FOR SIGN PANELS, HANGER ASSEMBLIES AND SUPPORTS.
- 3. FURNISH ALL MOUNTING HARDWARE.
- 4.USE GALVANIZED STEEL FOR BACKING PLATES AND MOUNTING BOLTS.
- 5. THE VERTICAL DIMENSION BETWEEN PRIMARY AND SECONDARY SIGNS IS TWO (2) INCHES.
- 6.ADJUST STIFFENERS TO AVOID CONFLICT WITH SUPPORTS.
- 7. FABRICATE EACH SIGN WITH A 3/8" DIA. BOLT 4" FROM EACH END OF EACH "Z" BAR THRU SIGN PANEL AND "Z" BAR.
- 8.SEE ROADWAY STANDARD 901.70 FOR SUPPORT AND "Z" BAR SPACING.
- 9. SEE ROADWAY STANDARD 901.80 FOR DETAILS SHOWING SIGN MOUNTING TO SUPPORTS.
- 10.PLACE NYLON WASHER UNDER HEAD OF 3/8" THRU BOLT.
- 11. THRU BOLTS WILL HAVE A MINIMUM $\frac{1}{16}$ " TO MAXIMUM $\frac{1}{8}$ " GAP.

FOR ON NG DRAWII
SIGN(DETAIL PE 'B' S PE 'E STUD ENGL

DEPT. DIVIS

SHEET 1 OF 1 901D20

ENGL

YT HS

B'

DETA:
STUD

[L DRAWING S' SIGNS CONSTRUCT]

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SHEET 1 OF 1

901D20

FOR

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REVISED SIGNING ROADWAY STANDARD DRAWING