**ATTACHMENT TO POST WITH "Z" BAR AND "U" BOLT**

FOR SIGN PANEL 36 INCH WIDE OR LESS

1. **USE THIS INSTALLATION WHEN SIGN IS ON A SINGLE POST WITH MULTIPLE "Z" BARS.**
2. **USE A LONG "U" BOLT. REFER TO STD DWG SN 13B FOR "U" BOLT REQUIREMENTS.**

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**ATTACHMENT TO POST - SINGLE "Z" BAR AND DOUBLE "U" BOLT**

FOR SIGN PANELS WITH 24 INCH HEIGHT OR LESS

1. **USE THIS INSTALLATION WHEN SIGN PANEL HAS ONLY ONE "Z" BAR AND IS ATTACHED TO A SINGLE PANEL.**
2. **USE TWO LONG "U" BOLTS. REFER TO STD DWG SN 13B FOR "U" BOLT REQUIREMENTS.**

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**ATTACHMENT TO POST WITH "Z" BAR AND CLAMP**

FOR DOUBLE POST APPLICATIONS

"Z" BAR AND SADDLE REQUIRED WHEN SIGN IS MOUNTED ON DOUBLE POSTS.

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**SIGN PANEL TO POST DIRECT CONNECTION**

FOR SIGN PANEL 36 INCH WIDE OR LESS WITH PREPUNCHED POST

**BOLT & WASHER REQUIREMENTS**

1. **USE WITH P1 AND P2 POSTS.**
2. **Hardware:**
   - 1/4 INCH TRUSS BOLT
   - 1/4 INCH DIAMETRAL BOLT WITH NUT
   - 1/4 INCH DIAMETRAL STEEL FLAT WASHER
   - 1/4 INCH DIAMETRAL LOCK WASHER
3. **GALVANIZE ALL STEEL COMPONENTS EXCEPT AS NOTED.**

**ASSEMBLY**

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**90 DEGREE POST EXTENSION**

SEE NOTE 7

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**NOTES:**

1. **GALVANIZE PIPE TO MEET ASTM A 513.**
2. **COAT WELD JOINTS WITH ZINC RICH PAINT.**
3. **CUTTING OF "T" OR "U" BRACKET OR EXTENSION TO MEET REQUIRED LENGTH OR HEIGHT IS ACCEPTABLE. CUT END WINS WITH ZINC RICH PAINT.**
4. **SWAGE ENDS OF EXTENSION TO PROVIDE A (SWAG) FIT IN A 2 3/4 INCH DIA (10 BWG) TUBING.**
6. **BEND 90 DEGREES AND SWAGE 3 INCH ON BOTH ENDS. SWAGE TO BE 1 INCH FROM TANGENT POINT OF BEND. RADIUS TO SHOULDER OF SWAGE. SWAGE TO FIT BNUO IN 14 GAUGE PIPE.**
7. **REFER TO SN 10 SERIES STD DWGS AND STD DWG SN 11 FOR USE REQUIREMENTS OF BRACKETS AND EXTENSIONS.**
8. **GAUGE IS BIRMINGHAM WIRE GAUGE (BWG).**