Breakaway System Structural Details for W-Shape Supports

Section C-C
Stub Height Requirements

Maximum projection of base plate limits are defined as a line 12” to 15” wrench to bed washers and shims and clean bolt threads.

1. Assemble base plates with bolts and one flat washer between top base plate and keeper plate.

2. Shim as required to plumb post.

3. Tighten all base connection bolts the maximum possible with 12” to 15” wrench to bed washers and shims and clean bolt threads.

4. Locate each bolt in turn and retighten in systematic order to the prescribed torque (see table).

5. Assemble perforated fuse and hinge plates to post with bolts and one flat washer and back washer under nut.

Notes:

- Use structural steel conforming to Section 754.04 D.4.c of the Standard Specifications and high strength bolts conforming to ASTM A325.
- Refer to Sign Summary sheet for specific data on individual sign installation.
- Install perforated fuse plates on sides of post facing traffic.
- Saw cut posts. Bottom flange plates shall be mechanically cutting torch in accordance with Section 754.04 D.4.a of the Standard Specifications. Plate edges in accordance with Section 754.04 D.4.b of the Standard Specifications.

Assembly Procedure:

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