**General Notes:**

1. All welds shall conform to AS/NZS 1554 and be full penetration structural purpose unless otherwise noted.

2. All universal beams shall be grade 350 in accordance with AS/NZS 3679.1. All base plates shall be grade 350 in accordance with AS/NZS 3678. All flange plates shall be BS1130B Displate BVP. All circular hollow sections shall be grade C350 in accordance with AS/NZS 1163.

3. Fabrication shall comply with the requirements of AS 4100 section 14 & 15 steel structures.

4. Surface treatment to steelwork after fabrication shall be as follows:
   - 1) All bolts, nuts and washers shall be hot dip galvanised to AS 1214.
   - 2) All other steelwork shall be hot dip galvanised to AS/NZS 4680.
   - 3) Bisalloy plates are not to be acid bathed. Bisalloy plates are to be grit or shot blasted prior to galvanising.
   - 4) Nuts shall be tapped and holes drilled oversized in accordance with AS/NZS 1214.

5. Damaged galvanising shall be treated by 'Zinga' cold galvanising paint or similar approved. The repair process to be in accordance with MRWA standard 935 and the manufacturer's requirements.

**Fuse Plate Table**

Refer to Detail 3 & 4

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**Workshop/Site - Sign Post Assembly and Site Erection Procedure:**

**After Galvanizing**

**Workshop:**
- Position top and bottom post sections ensuring a gap of 3mm between post sections.
- Install fuse plates and high strength bolts with an application of Loctite threadlock red 263 or similar approved to nuts to prevent loosening of nuts.
- Tension high strength fuse plate bolts by tightening bolts until the shoulder washer indicates that the bolt has reached the required tension.
- Install temporary plates.
- Transport sign to site.

**Site:**
- Mount sign on stub posts. Install stop base bolts and tighten as described in note 3 above.
- Remove temporary plates.
- Make good any damaged galvanizing in accordance with general note 4.

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**Planning and Technical Services Directorate**

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Carriagework Centre
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**Drawn by:**

**Checked by:**

**Approved by:**

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**This drawing supersedes Drawing No. 0330-1688**

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**Amended**

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**Standard Drawing**

**Breakaway UB Sign Post**

**Fuse Plates; Sign Post Assembly and Site Erection Procedure**