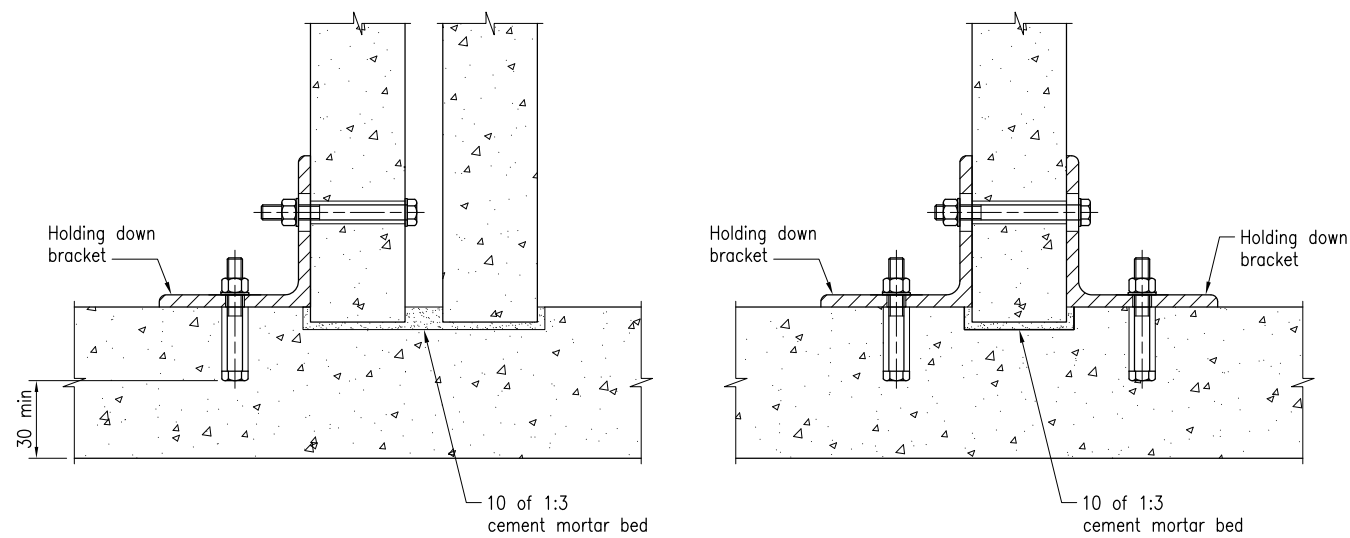
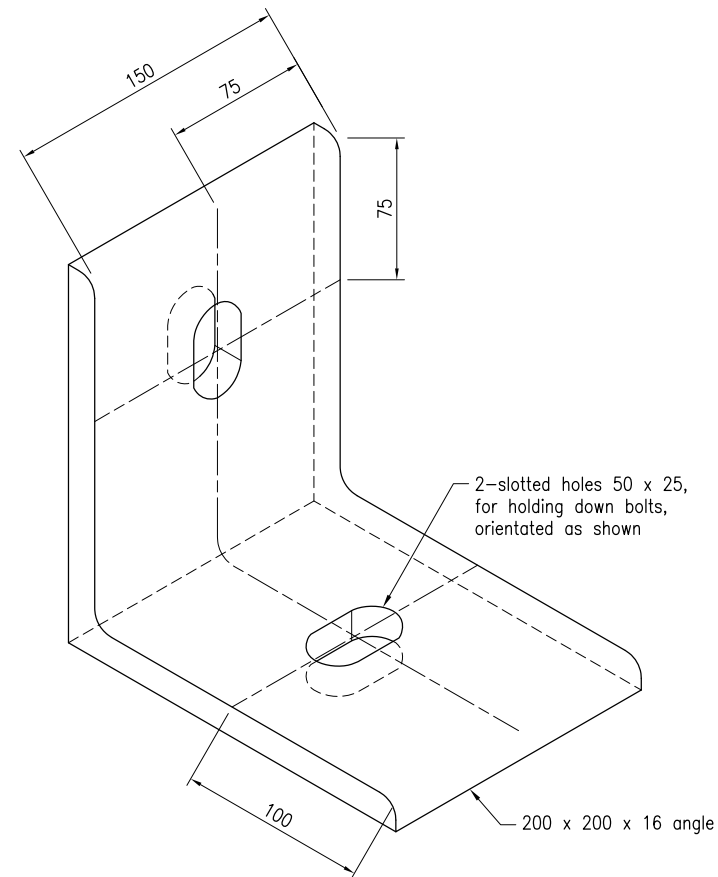


**HOLDING DOWN ANCHORS**  
Bases without recesses



**HOLDING DOWN ANCHORS**  
Bases with recesses



**HOLDING DOWN BRACKET**

**NOTES:**



1. STEELWORK to be fabricated to the requirements of MRTS78. Angle to be Grade 300 to AS/NZS 3679.1. Holding down bolts and screws to be Class 4.6 to AS 1111.1, nuts Class 5 to AS 1112.1 and washers Class 5 to AS 1237.1.
2. HOLDING DOWN BOLTS to be placed in drilled 35 dia holes and grouted with 1:2 cement sand grout after placing crowns.
3. GALVANIZING: Angle to be hot dip galvanized to AS/NZS 4680 unless shown otherwise. All bolts, screws, nuts and washers to be hot dip galvanized to AS 1214 unless shown otherwise.
4. DIMENSIONS are in millimetres unless shown otherwise.

**ASSOCIATED DEPARTMENTAL DOCUMENTS:**

Standard Drawings  
Specifications

**REFERENCED DOCUMENTS:**

- Departmental Standard Drawings:  
1316 R C Box Culverts and Slab Link Box Culverts – General Arrangement and Installation of Precast Units
- Departmental Specifications:  
MRTS03 Drainage, Retaining Structures and Protective Treatments  
MRTS24 Manufacture of Precast Concrete Culverts  
MRTS78 Fabrication of Structural Steelwork

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R C BOX CULVERTS AND SLAB LINK BOX CULVERTS			
CROWN UNIT HOLDING DOWN ANCHORS		A3	Standard Drawing No
		Not to Scale	1320
			Date 7/15
A	B	C	