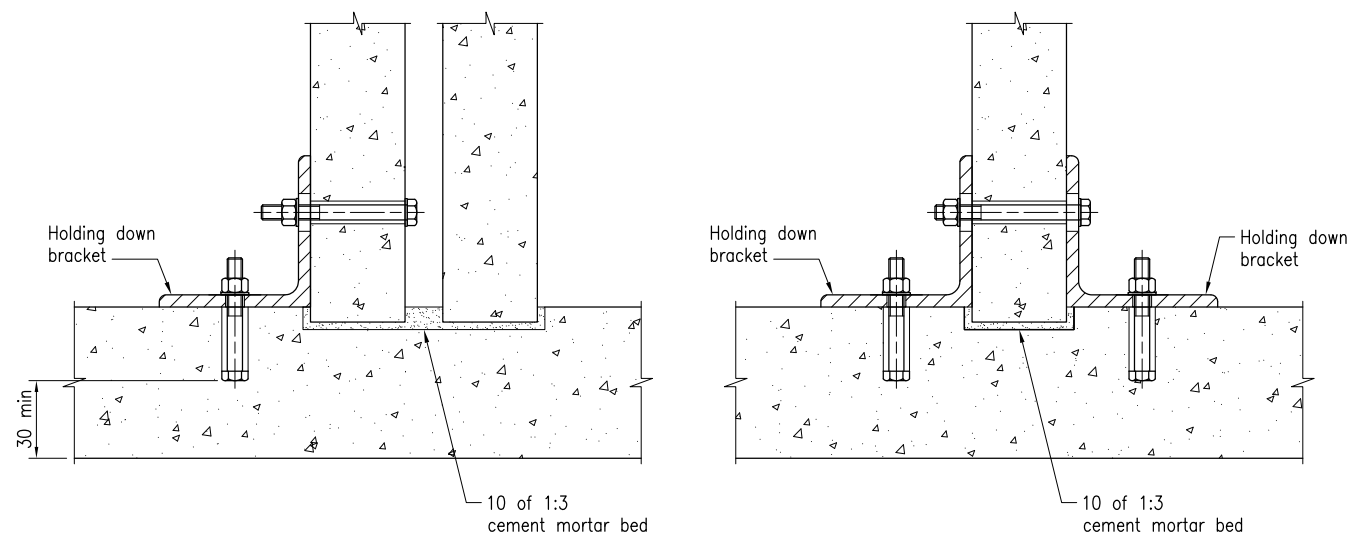
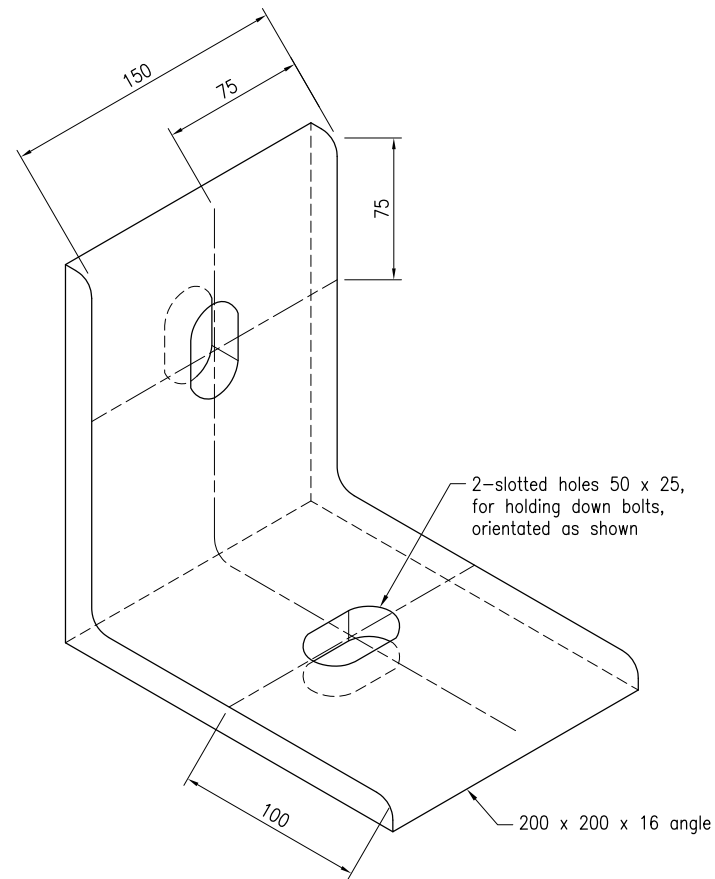


HOLDING DOWN ANCHORS
Bases without recesses



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	