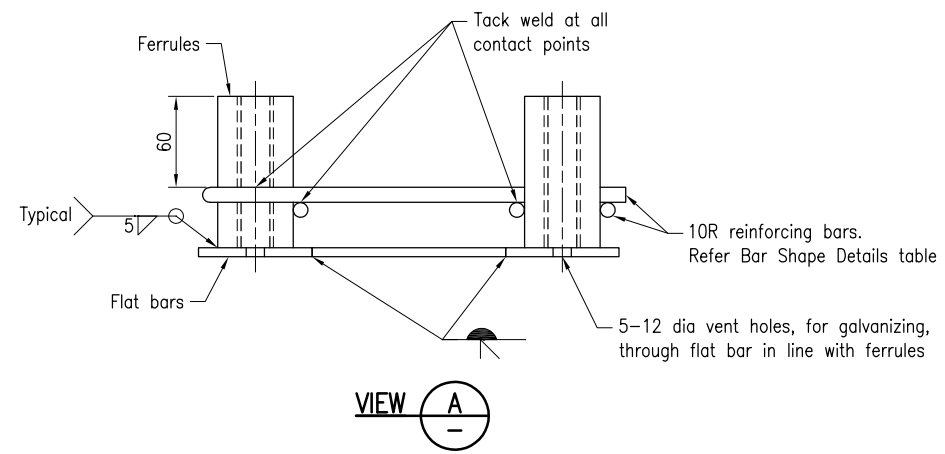
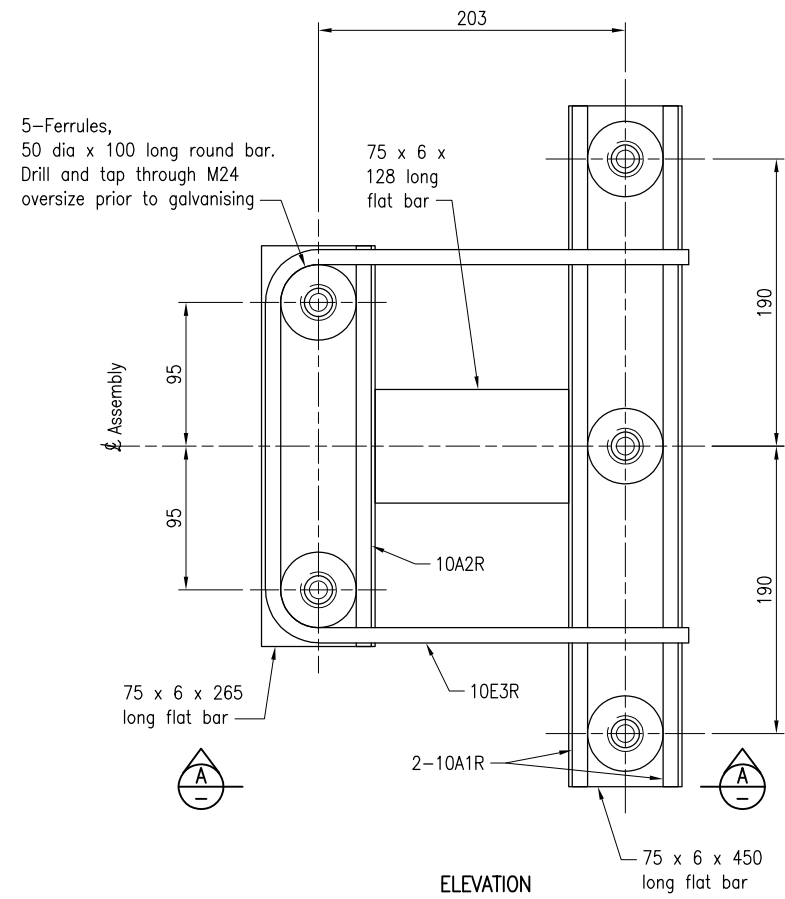


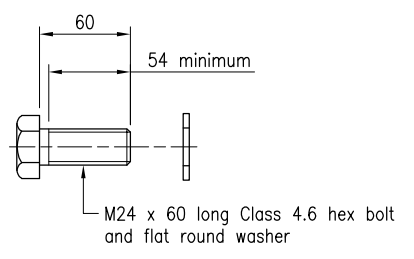
The purpose of This Standard Drawing is to provide typical standard details.
 The fitness for purpose of these details for a specific project shall be designed and certified by an RPEQ.
 The details specific to the project location shall be shown on the project specific drawings.



CAST-IN ANCHOR ASSEMBLY FOR THRIE BEAM (FC02)

BAR SHAPE DETAILS

Diagram of bar Refer Standard Drawing 1043	A		E	
	A		E	
Mark	10A1R	10A2R	10E3R	
Dimension A	450	265	260	
Dimension B	-	-	280	
Dimension C	-	-	280	
Pin dia P	-	-	50	
No Off - FC02	2	1	1	



BOLT DETAIL FOR THRIE BEAM TERMINAL CONNECTOR TO CAST-IN ANCHOR ASSEMBLY
 FC02 - 5 Off

NOTES:

- SCOPE: This Standard Drawing provides details of cast-in anchor assembly for use with the thrie beam terminal connector for when connecting thrie beam to concrete barriers in accordance with MRTS14.
- STEELWORK shall be fabricated to the requirements of MRTS78.
 Flat bar and round bar Grade 300 to AS/NZS 3679.1.
 Bolts Class 4.6 to AS 1111.1, washers for Class 4.6 bolts to AS 1237.
 All bolts shall be hot dip galvanized to AS 1214.
 All other steelwork shall be hot dip galvanized to AS/NZS 4680.
 Prior to galvanising all weld splatter and welding slag is to be removed.
- REINFORCING STEEL shall be in accordance with Standard Drawing 1043, to MRTS71 and AS/NZS 4671.
 Round bars Grade R250N.
 All reinforcing steel shall be ACRS certified.
- WELDING symbols to AS 1101.3.
 All welding to AS/NZS 1554.1.
 All welds, except location tack welds, shall be SP category.
 Tack welding for location purposes to AS/NZS 1554.3.
 Welding consumables to be controlled hydrogen type: G49X to AS/NZS ISO 14341-B or T49X to AS/NZS ISO 17632-B.
- DIMENSIONS are in millimetres.

REFERENCED DOCUMENTS:

- Departmental Standard Drawings:
- 1043 Reinforcing Steel - Standard Bar Shapes
 - 1470 Single Slope Concrete Barrier - Transition between Median Barrier and Thrie Beam Guardrail
 - 1475 Steel Beam Guardrail - Installation on Bridge and Barrier Approaches
 - 1481 Steel Beam Guardrail - Fabrication Details for Thrie Beam Rails and Rail Components
 - 1484 Steel Beam Guardrail - Batter Slope Terminals (1 on 1 and Steeper)
 - 1486 Single Slope Concrete Barrier - Concrete Terminal with Thrie Beam Guardrail Connection General Details

- Departmental Specifications:
- MRTS14 Road Furniture
 - MRTS71 Reinforcing Steel
 - MRTS78 Fabrication of Structural Steelwork

Department of Transport and Main Roads			
CONCRETE BARRIERS			
CAST-IN ANCHOR ASSEMBLY FOR THRIE BEAM TERMINAL CONNECTOR		Standard Drawing No 1467 Date 7/19	A3 Not to Scale
A	B	C	D