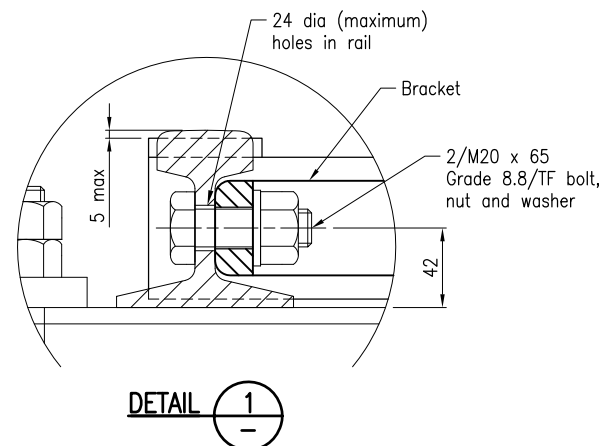
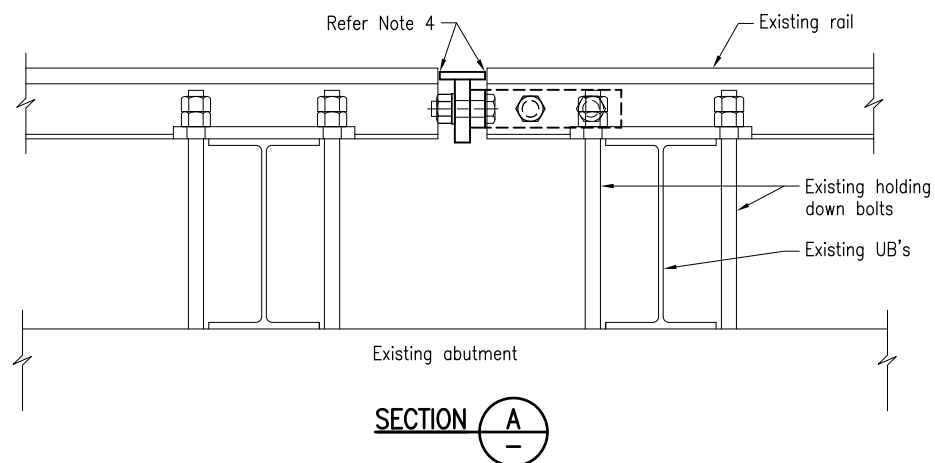


**GENERAL ARRANGEMENT**

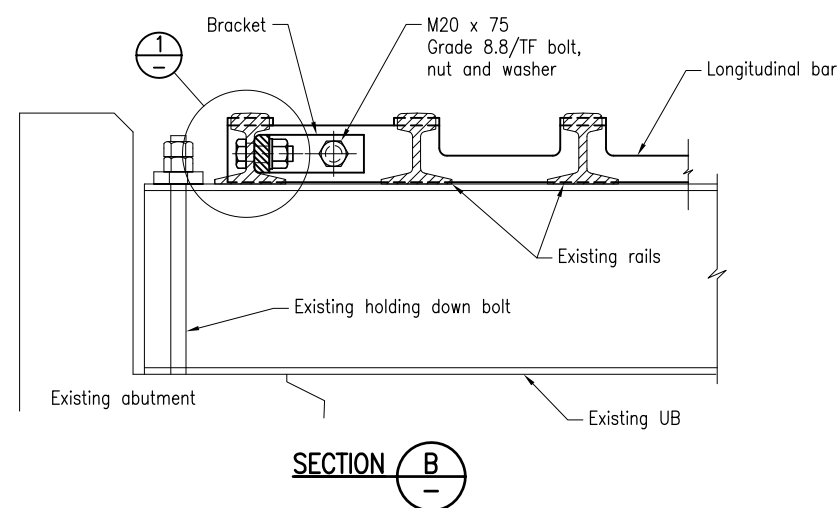
(One abutment only of existing motor grid shown – other abutment similar)



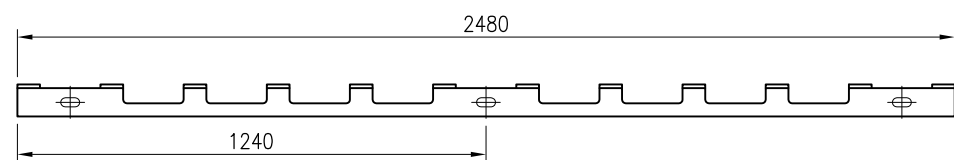
**DETAIL 1**



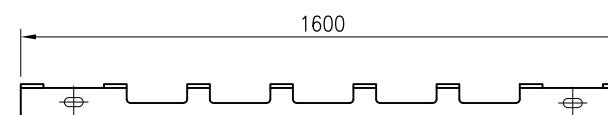
**SECTION A**



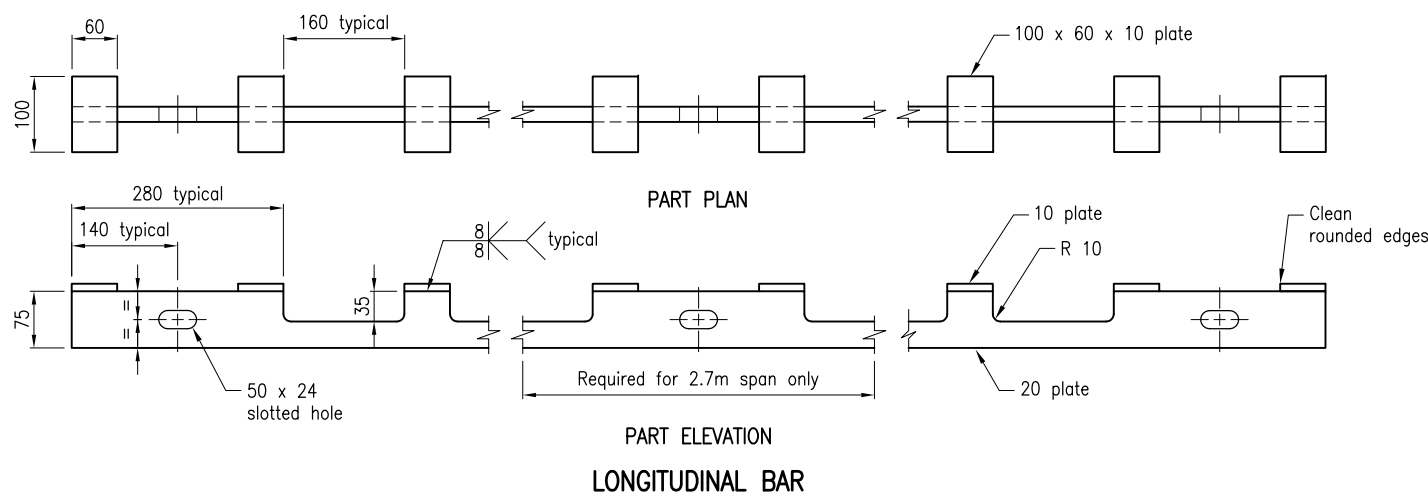
**SECTION B**



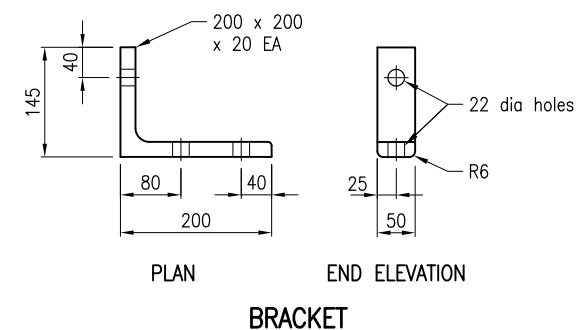
**LONGITUDINAL BAR PROFILE – 2.7m SPAN**



**LONGITUDINAL BAR PROFILE – 1.9m SPAN**



**PART ELEVATION LONGITUDINAL BAR**



**BRACKET**

**NOTES:**

- STANDARD BICYCLE SAFE FITTING is for motor grids constructed to superseded Standard Drawings 1113 and 1171 where rail end gaps are aligned. Fitting details on this drawing provide for gap variation between ends of rails. For gaps less than 25mm, the longitudinal bar is to be fabricated from appropriate thickness and width of plate.
- ALTERNATIVE BICYCLE SAFE FITTING is for motor grids constructed to superseded Standard Drawings 1113 and 1171 where the construction tolerances are not in accordance with the drawings. Refer to Standard Drawing 1355. The alternative fitting is to be used in cases where rail end gaps are misaligned and/or of non-uniform rail spacing. Where the motor grid segments are in poor condition replacement should be considered.
- DIMENSIONS to be checked on site prior to fabrication.
- GAP BETWEEN LONGITUDINAL BAR AND EXISTING RAILS to be 2mm minimum and 5mm maximum.
- STEELWORK to be fabricated to the requirements of MRTS78. All Steel plate material to be Grade 250 manufactured to AS/NZS 3678. Angle to be Grade 300 to AS/NZS 3679.1. Bolts Class 8.8, nuts Class 8 and washers for Class 8.8 bolts to AS/NZS 1252. M20 bolts to be tightened in accordance with AS 4100.
- WELDING symbols conform to AS 1101.3 and all welding to AS/NZS 1554.1. All welds except location tack welds to be SP category. Welding consumables for all structural steel to be controlled hydrogen type: G493 to AS/NZS ISO 14341-B, or T493 to AS/NZS ISO 17632-B unless shown otherwise.
- GALVANIZING:  
FOR APPLICATIONS IN CORROSIVE ENVIRONMENTS:  
Prior to galvanising all steelwork is to be cleaned, and weld splatter and welding slag is to be removed.  
All bolts and nuts to be hot dip galvanised to AS 1214.  
All other steelwork to be hot dip galvanised to AS/NZS 4680 unless shown otherwise. Repairs to galvanizing shall be made with an approved zinc rich paint.  
FOR APPLICATIONS IN NON-CORROSIVE ENVIRONMENTS:  
All bolts and nuts to be hot dip galvanised to AS 1214.  
All other steelwork to be hot dip galvanised to AS/NZS 4680 unless shown otherwise. Prior to galvanising all weld splatter and welding slag is to be removed.
- DIMENSIONS are in millimetres unless shown otherwise.

**ASSOCIATED DEPARTMENTAL DOCUMENTS:**

Standard Drawings  
Specifications

**REFERENCED DOCUMENTS:**

Departmental Standard Drawings:  
1355 Road Furniture – Alternative Bicycle Safe Fitting to Existing Motor Grid  
Departmental Specifications:  
MRTS78 Fabrication of Structural Steelwork

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<b>ROAD FURNITURE</b>			
<b>STANDARD BICYCLE SAFE FITTING TO EXISTING MOTOR GRID</b>		A3 Not to Scale	Standard Drawing No <b>1354</b> Date 7/15
A	B	C	D