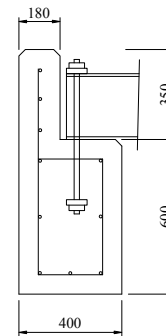


Section - Typical



Detail A

**Notes on Detail
For Flinders Shire (local roads)**

Reinforcing & Concrete
10 no 16dia deformed bars with, 12 dia ligatures @200 centres or equivalent. Concrete F'c 32 mPa

Hold Down bolts 2 x M20 x 600long per bearer end, Grade 4.6 70 thread with M29 nuts and lock nuts (all galvanised). Seat bearer on mortar pad
Each pair of bolts to include 2 x 240 x 65 x 16 galvanised plates.

Works on Main Roads to comply with Standard Drawing No 1448 Motor Grid (RHS Rails)

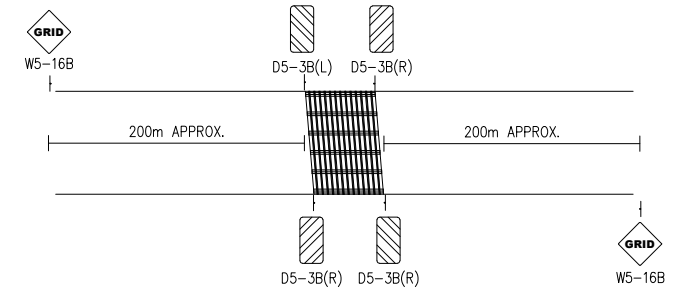
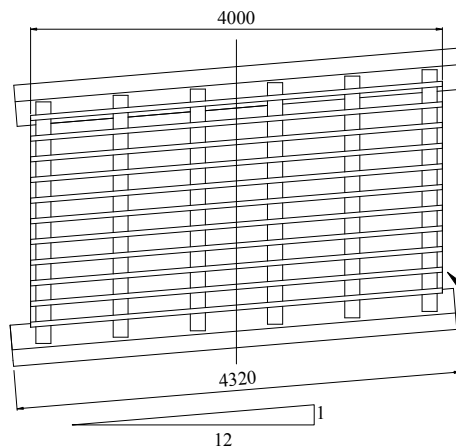
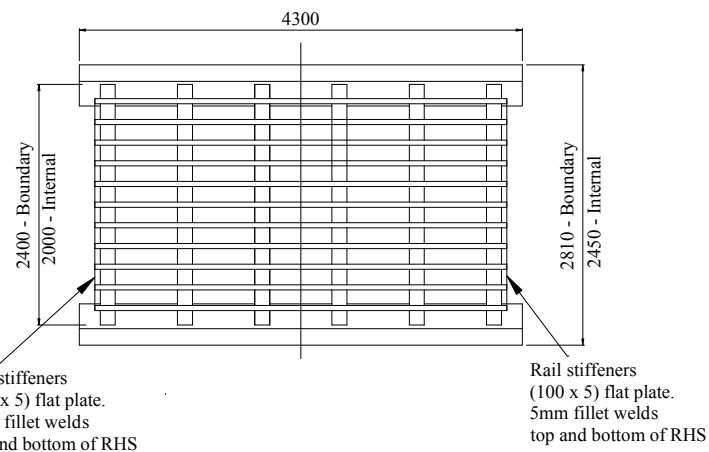


Diagram 1 (informative)
Location of Warning Signs
(NTS)



Plan - Skewed Grid



Plan - Straight Grid

Notes:

Materials and Welding

1. All grids to be constructed from steel sections as Universal Beams (Grade 300) and Rectangular Hollow section (Grade 350)
2. All Grid Rails to be welded to bearer with 6mm fillet welds each side with minimum length of 100mm weld each end of the rail.
3. Bearers constructed parallel to road centre line. Bearers 250UB37.5
4. Rails 100x50 x 5 RHS - Grade 450

Installation

5. Abutments may be either concrete similar to Detail A or steel similar to Typical Section.
6. Note that steel abutments include 2 additional rails
7. Grids installed with signage as shown in Diagram 1

General Note:

- 8 This is a deemed to comply drawing for the construction of the grid (steel work) for local roads (Flinders Shire). Additional requirements apply to grids on State controlled roads.
9. Abutment details and additional structural details can be found on MRD Standard drawing 1448 Motor Grid RHS rails
10. Length of grid 2400 or 2000 should be agreed with council prior to construction.

REV	DATE	REVISIONS	REC	APPR
C	20/08/08	RAIL DETAILS MODIFIED	SK	SB
B	22/10/07	RAIL DETAILS MODIFIED		SB
A	16/10/07	ORIGINAL ISSUE		SB

DRAWING NOT TO SCALE

DESIGNED: DESIGNED	
DRAWN: DRAWN	
CHECKED: CHECKED	
RECOMMENDED: PROJ. MAN.	

A1	DATUM:
APPROVED:	1513 RPEQ
SLJ Bourne	



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CLIENT: FLINDERS SHIRE COUNCIL	DATE: 16 OCTOBER 2007	Rv.
DRAWING NAME: Flinders Shire Standard Stock Grid	DRAWING No.: Grid 001	C