

Bulletin 54 - 28 March 2017

Specifications of Arrow boards and Truck Mounted Attenuators (TMAs)

It has recently come to CTOCs attention that there may currently be vehicular equipment in use on the network that does not meet CoPTTM specifications for Arrow board and TMAs. CTOC wishes to advise contractors that they can expect an increase in scrutiny of vehicles being used on worksites, for installation modification and removal, to make sure that equipment complies with CoPTTM B8 (Horizontal arrow boards and light arrow system) and B11(TMAs).

- Please note that B11 includes the requirement that:

All support vehicles equipped with a TMA must:

- meet the minimum vehicle weight for the type of attenuator as detailed in the New Zealand register of compliant TMA systems, which is available on the [NZTA's website](#)

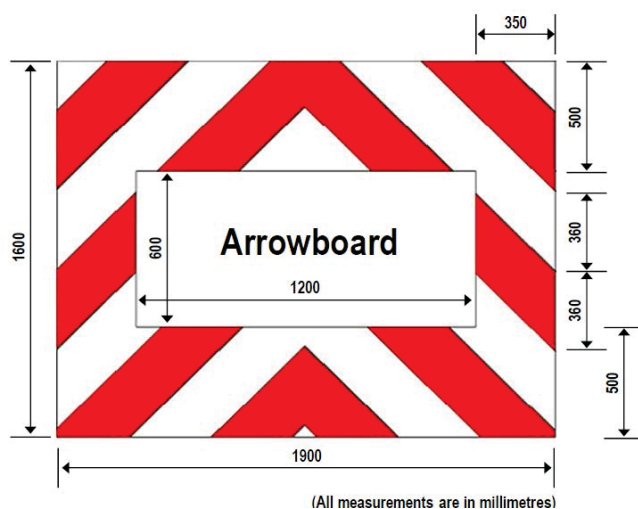
For further clarity see below extracts from CoPTTM with reference to vehicle specifications for rear panels of Arrowboards and TMAs.

B8.3.4 Rear panel

A red and white rear panel, as specified below, will be required on all horizontal arrow boards with effective date of 1 July 2012:

- Primary strip – Red reflective class 1 retro-reflective.
- Alternate strip – White reflective class 1 retro-reflective.

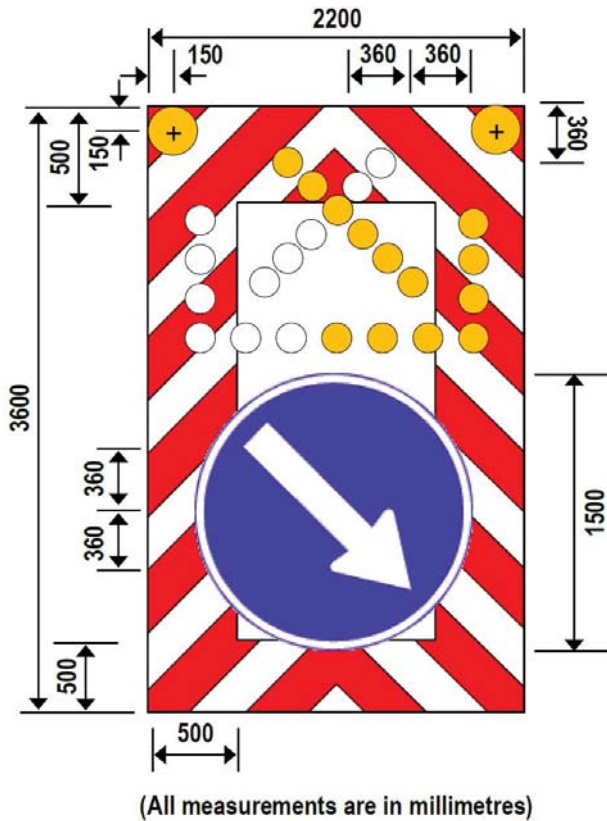
These primary and alternate strips must be uniform in size and can be either 360mm or 140mm wide.



Note: The height and width measurements are minimums. Maximum measurements will be subject to legal vehicle widths and heights. If the truck's tray width does not allow for the full red hatching to be displayed on each side of the horizontal arrow board, this hatching width may be decreased to the width of the tray. The red hatching must be maintained in the panels above and below the arrow board.

The TV4 PASS WITH CARE sign must be displayed either above or below the red hatching. The RD6L/R signs are not to be used.

B11.2.3 Rear panel of attenuator vehicle



Colour	Primary strip - Red reflective class 1 retro-reflective. Alternate strip - White reflective class 1 retro-reflective.
Height	The overall height of the panel must not exceed 4.25m above the road. The lower 500mm of the panel will need to be installed on the rear of the TMA to remain under the maximum height specified in law.
LAS	Refer to subsection B8.2.3 Specifications for LAS specifications.
Enlarged RD6L/R (RG-17/34)	1500mm diameter (± 50 mm).
Xenon lights	340mm minimum diameter Xenon lights are to be installed in the top left and top right corners of the panel as per the drawing of a TMA for level 2 and 3 roads on the following page.
Equipment control	The rear panel must have a device installed to ensure that the arrow board and the RD6L are always aligned. A display must be visible to the operator to confirm orientation.
Deck-mounted up-lighting	A white up-light with a minimum output of 50 watt is to be attached to the deck to adequately illuminate the RD6L/R.
Amber-flashing beacons	One, preferably two, amber flashing beacons must be visible to the rear of the vehicle until such time as the LAS is fully deployed and the xenon lights are fully operational and at the correct height.
Organisations' signage or logos	Must not be installed on the rear panel of the TMA.

Thank you in advance for your assistance in making a safer environment for workers and road users alike.

On behalf of the Temporary Traffic Management team.

[Simon Hodges - Traffic Management Coordinator](#)

[Temporary Traffic Management Team](#)

[Christchurch Transport Operations Centre \(CTOC\)](#)

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