

NOTES:

- APPLICATION OF THIS STANDARD DRAWING shall only be used when all of these conditions apply:
 - soil strength: loose to medium cohesionless sand soil (or stronger)
 - wind category: Region C wind categories (or less), and
 - the total signage height 'h' is less than 3150mm at 1000mm above ground level.
- SADDLE BRACKETS shall be single sided and fabricated from either:
 - Grade 316 SS, or
 - ZINC HI-TEN or other approved equivalent hot rolled steel products.
- CHS POSTS shall be to AS/NZS 1163 and hot dip galvanized to AS/NZS 4680.
- SIGNS stiffener rails shall be extruded aluminium structural Grade 6061-T6 or 6063-T6 and sign substrate shall be 1.6 mm thick aluminium alloy Grade 5251 H38 sheeting.
- SIGNFACE legend and background shall be Class 1W retroreflective defined in AS/NZS 1906.1
- RIVETS type and spacing for fixing sign plates to the stiffener rails shall be:

Rivet type	Distance from edge of stiffener to first fixing	Distance to second fixing	Maximum spacing of fixings
4mm blind aluminium head rivets	30mm	20mm	200mm

Rivet heads shall be coloured to match the surrounding material.



- CONCRETE shall be S32/20.
 - Poured directly against the augered holes and vibrated to full depth.
 - Concrete shall be minimum age 24 hours before attaching signs.
- FASTENERS (bolts, washers and nuts) shall be minimum Class 8 strength and hot dipped galvanized to AS 1214.
- DIMENSIONS are in millimetres unless shown otherwise.

Departmental Standard Drawings:

SD1369 Traffic Sign – Details of Sign Stiffening Extrusion

Australian Standards:

AS/NZS 1163	Cold-formed structural steel hollow sections
AS/NZS 4680	Hot-dip galvanized (zinc) coatings on fabricated ferrous articles
AS/NZS 1252	High-strength steel fastener assemblies for structural engineering – Bolts, nuts and washers
AS 1214	Hot-dip galvanized coatings on threaded fasteners
AS/NZS 1906	Retroreflective materials and devices for road traffic control purposes

Department of Transport and Main Roads					
BOAT RAMP CONSTRUCTION				© The State of Queensland (Department of Transport and Main Roads) 2024 https://creativecommons.org/licenses/by/4.0/	
INFORMATION SIGNS MATERIALS AND INSTALLATION		A3	Standard Drawing No		
		Not to Scale	4034		
			Date 11/2024		
		A			