



ITEM 3 - LIFTING LUG

NOTES:

- 1. This drawing supersedes TMR fabrication drawing 249769.
- DESIGN CRITERIA: Type 'M3C' Mast Arm shall conform to AS 2339.
 Total effective area of lantern assembly shall be 2.0m², i.e. 5-3 aspect 300 dia Traffic Signal Lanterns.
- STEELWORK shall be fabricated to the requirements of MRTS78 and in accordance with AS 4100.

Steel grades are as noted in Material List.

CHS to AS/NZS 1163.

Steel plate to AS/NZS 3678.

Flat bar to AS/NZS 3679.1.

Hollow bar to EN10294-1.

Bolts class 4.6 to AS 1111.1, nuts class 5 to AS 1112.1, and washers class 5 to AS 1237.1, and hot dip galvanised to AS 1214.

All holes shall be drilled or laser cut, ground smooth around edges.

All welds shall be completed prior to hot dip galvanising.

Members shall be branded with suitable item number after fabrication. Prior to galvanising all weld splatter and welding slag is to be removed.

All other steelwork shall be hot dip galvanised to AS/NZS 4680.

4. WELDING symbols conform to AS 1101.3.

All welding to AS/NZS 1554.1 or AS/NZS 1554.4.

All welds except location tack welds to be SP category.

Welding consumables to be controlled hydrogen type:

G493 to AS/NZS ISO 14341-B or T493 to AS/NZS ISO 17632-B.

5. DIMENSIONS are in millimetres.

REFERENCED DOCUMENTS:

Departmental Standard Standard Drawings:

1713 Traffic Signals/Road Lighting — Circular Mast Arm Type U1

1714 Traffic Signals/Road Lighting — Circular Combination Mast Arm Type U2

1427 Traffic Signals/Road Lighting — Mast Arm U Series Installation Details

Departmental Specifications:

MRTS78 Fabrication of Structural Steelwork

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	Gover	nment	4.0/				
CIRCULAR COMBINATION MAST ARM	А3		Stand	ard	Draw	ing N	10
LUMINAIRE TRANSITION PIECE - ASSEMBLY AND DETAILS	Not to Scale		1716 Date 3/2022				
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