

Certificate No.: - EVENTEC/STR/070
Issued to: - Event Lighting
Product: - Stage Deck (ST* Series)

Product Certificate

We, Event Structural, certify that the product is in accordance with the relevant provisions of the standard codes of Australia, accepted engineering practices, and principles.

Please note that further review will be required if the design is modified in any way. This certificate shall not be construed as relieving any other party of their responsibilities, liabilities, or contractual obligations. This certificate is applicable only for this structure and relies upon all other risk assessments, WHS requirements, and job safety statements associated with the project.

Event Structural is not responsible for the operational safety of the structure and the public. We have been engaged for structural engineering compliance not how the end user engages with the structure, that is solely the responsibility of the client and event organiser.

1. Referred Standard Codes:

- AS/NZS 1170.0 - 2002: Structural Design Actions – General Principles
- AS/NZS 1170.1 - 2002: Structural Design Actions – Permanent, imposed and other actions
- AS/NZS 1664.1 - 1997: Aluminium structures

2. Technical Specifications

Frame Material	Aluminium Alloy 6061-T6
Deck Material	18mm Plywood
Safe Working Load (SWL)	750 kg/m ²

Table 1- Technical Specifications

3. Metal Component Analysis

Test Method: Acid digestion, analysis was performed by ICP-OES

Test Item	MDL	Result		6061-T6 brand
Metal Component Analysis (% = percentage by weight 0.0001% = 1 mg/kg MDL = Method Detection Limit N.D. = Not Detected (< MDL))	0.001%	Manganese (Mn)	0.060%	≤0.15%
	0.001%	Copper (Cu)	0.199%	0.15%-0.4%
	0.001%	Zinc (Zn)	0.042%	≤0.25%
	0.001%	Magnesium (Mg)	0.875%	0.8%-1.2%
	0.001%	Iron (Fe)	0.303%	≤0.70%
	0.001%	Silicon (Si)	0.430%	0.4%-0.8%
	0.001%	Titanium (Ti)	0.021%	≤0.15%
	0.001%	Chromium (Cr)	0.069%	0.04%-0.35%
	0.001%	Impurity	0.045%	≤0.15%
	0.001%	Aluminum (Al)	97.956%	--

Table 2 - Metal Component Analysis

Pradeep L. Thanthirige

Chartered Engineer (Civil / Structural / Geotechnical)
 Registered Professional Engineer (NSW/VIC/QLD)
 Design Building practitioner (NSW/VIC/QLD)

Senior Structural Engineer

Kai Liang

GradIEAust
 MEng (Civil and Structural)

Structural Engineer