



TEMPORARY STRUCTURES POLICY DOCUMENT

ENGINEERING AND STANDARDS COMPLIANCE REQUIREMENTS FOR TEMPORARY FACILITIES/STRUCTURES AT THE BEND MOTORSPORT PARK

A key component of safe, successful operations and amenities at The Bend Motorsport Park (TBMP) is the supply, construction, certification, use and subsequent dismantling from site of temporary structures. Transient structures will add capacity, function, form and utility to TBMP's offering, which many thousands of patrons will utilise and enjoy in the years to come. Transient structures will contribute significantly to TBMP's amenity, reflecting and catering to the versatility of the facility and variety of functions and events held at The Bend Motorsport Park.

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GENERAL CONDITIONS

The purpose of this document is to communicate to the 'Occupant' the requirements for all temporary structures erected on site. The Occupant is any person (or company) who erects or has effective control of a structure at The Bend Motorsport Park site.

- All temporary structures erected on site must comply with the requirements of the *ABCB Temporary Structures 2015 Standard*, *The Building Code of Australia* and all other relevant Australian Standards.
- The Occupant shall provide access to TBMP personnel, or any person delegated by TBMP, to inspect any temporary structure as required.
- The Occupant shall provide TBMP and/or its agents with engineering documentation (as described in this document) to demonstrate that its temporary structure is compliant with the *ABCB Temporary Structures 2015 Standard*, *The Building Code of Australia* and all relevant Australian Standards.
- The Occupant remains responsible for ensuring that their temporary structure complies with these standards and is structurally stable and safe for the entire time the structure is erect.
- At no point in time will TBMP, or any third party engaged by TBMP, take responsibility for the structural stability of the structure installed or controlled by the Occupant.

GENERAL REQUIREMENTS FOR ALL TEMPORARY STRUCTURES

The following are general requirements the Occupant must adhere to:

- Placement and positioning of all temporary structures is at the absolute discretion of TBMP;
- The Occupant is responsible for ensuring that adequate fire safety equipment is present, charged and maintained to AS1851.1. If required, this equipment may need to be inspected by TBMP Management or Emergency Services personnel.
- Ballast used must be in the form of solid weights or pegs/spikes (if approved) and not in the form of water filled drums or barriers. Water filled drums or barriers used as ballast will be rejected by TBMP;
- Ground spiking is *not permitted*, unless prior approval is granted by TBMP;
- Structures are not to be tied down using ropes and knots. Rated straps (with an adequate capacity) must be used for tying structure down; and
- All equipment used on site must be in good condition, fit for purpose and not compromised by excessive wear and tear.

WORK, HEALTH, SAFETY AND ENVIRONMENT

Adherence to Work Health and Safety management (WHS) requirements on the TBMP site is mandatory for all persons at all times. Similarly, environmental impacts shall be considered for all activities undertaken in relation to temporary structures.

The TBMP site including any bump-in/out works consist of both "Construction Works" and "Event Works". Construction works include: Erection and dismantling of structures and marquees, installing temporary flooring, scaffolding, electrical work, working above 2m and use of forklifts or any other mobile plant.

Workers conducting "Construction works" Workers must complete a TBMP Construction Induction and hold a Construction Industry General Induction (White) Card.

Event Works include: erection of up to 6 metre x 3 metre "pop up" tent, corflute signage, merchandise or catering fit out, manual loading at ground level. Workers conducting "Event Works" must complete a site-specific Short-Term Works Induction.

The Occupant should contact the (TBMP Operations) Safety Manager if it has any questions about the types of works it is undertaking. The Occupant must contact the Safety Manager to be inducted to site. The inductions are available in an online format or on site by request to the Safety Manager.

All workers must obey the site rules that are communicated in the induction and, wear appropriate personal protective equipment when performing their site works.

NOTE: *The requirement for Construction Industry General Induction Cards may be different from State to State. It is incumbent upon the Occupant to ensure any staff requiring such accreditation has obtained it.*

For questions relating to the **TBMP Work, Health, Safety and Environment** policy, please contact The Bend Motorsport Park:

Administration: events@thebend.com.au
Phone: 08 8165 5700

STRUCTURAL REQUIREMENTS

The engineering documentation which must be submitted to TBMP depends on the size and type of the temporary structure to be installed. Four different categories of temporary structure have been identified. The Occupant is to identify the category which best describes their temporary structure in order to determine the engineering documentation to be provided. If the Occupant is in any doubt regarding which type of structure is to be installed, please contact TBMP. The four categories of structures and the requirements for each category type are summarised in *Table 1*.

As a minimum, the Occupant shall satisfy the requirements outlined in *Table 1* (including notes) within the timeframes specified. The Occupant must allow TBMP a minimum of 14 days to review pre-mobilisation documentation prior to mobilisation. Mobilisation on site will not be permitted until TBMP is satisfied that all required pre-mobilisation documentation has been provided to a satisfactory standard.

If you have any further questions relating to **Structural Engineering requirements or certification**, please contact The Bend Motorsport Park, on the contact details above.

TABLE 1 – STRUCTURE TYPES AND REQUIREMENTS

	Type A	Type B	Type C	Type D
Structure Examples	<ul style="list-style-type: none"> Structures with a floor plan up to 9 sqm. (i.e. pop up tents, small inflatable structures, small stages) Proprietary Structures (ie Modified Trucks, Modified Containers) Umbrellas 	<ul style="list-style-type: none"> Structures with Floor plan up to 36 sqm (i.e. Marquees, Tents, shade structures) 	<ul style="list-style-type: none"> Structures with Floor plan between 36 and 500 sqm (i.e. Marquees, Tents, Shade Structures, Grandstands, Corporate Platforms) Temporary Fencing All Superscreens Large inflatable Structures 	<ul style="list-style-type: none"> Structures with Floor plan 500 sqm or greater (i.e. Marquees, Tents, Shade Structures, Grandstands, Corporate Platforms)
Fourteen (14) days prior to temporary structure utilisation				
Pre-mobilisation requirements	Details and type of structure to be used (name, type size and if available, drawings/photos)	Details and type of structure to be used (name, type size and if available, drawings/photos)	Details and type of structure to be used (name, type size and if available, drawings/photos)	Details and type of structure to be used (name, type size and if available, drawings/photos)
	Work Health and Safety Documentation as required by the Event's Work Health and Safety Documentation	Work Health and Safety Documentation as required by the Event's Work Health and Safety Documentation	Work Health and Safety Documentation as required by the Event's Work Health and Safety Documentation	Work Health and Safety Documentation as required by the Event's Work Health and Safety Documentation
			Provide site specific engineering drawings for each structure.	Provide site specific engineering drawings for each structure.
			Provide site specific engineering calculations for each structure.	Provide site specific engineering calculations for each structure.
Pre-event requirements			Provide an engineering design certificate for each structure. <small>Note 2</small>	Provide an engineering design certificate for each structure. <small>Note 2</small>
	Provide an engineering design certificate for each structure. <small>Note 2</small>		Provide an engineering inspection certificate for each structure, issued by an independent CPEng. <small>Note 5</small>	Provide an engineering inspection certificate for each structure, issued by an independent CPEng. <small>Note 5</small>
	OR	OR		
	The Structure must comply with the 'hire and rental industry association – Temporary Structure/Marquee Weighing Guide' <small>Note 4</small>	The Structure must comply with the 'hire and rental industry association –Temporary Structure/Marquee Weighing Guide' <small>Note 4</small>		
Pre-event requirements	OR	OR		
	Provide an engineering inspection certificate for each structure, issued by an independent CPEng. <small>Note 5</small>	Provide an engineering inspection certificate for each structure, issued by an independent CPEng. <small>Note 5</small>		
				Provide an Occupancy Permit (Building Compliance Certification) from a Qualified Building Surveyor.

Notes:

Note 1: For categories labelled with this note, the Occupant shall engage an independent structural engineer, who is a certified practicing engineer (CPEng) to be responsible for the structural design and the installation certification. Note that separate engineers may be used for design and installation certification.

Additionally, if applicable, 'safe for trade' occupation handover certificates for the structure may be required prior to entry by other trades. TBMP will provide direction when 'safe for trade' occupation certificates are required.

Note 2: A template of the engineering design certificate is attached to this document and must be completed in full. If the Occupant requests any amended details on the certificate, then these changes must be discussed and agreed with TBMP prior to submission. If insufficient room is available on the template, please provide additional information as an attachment to the template.

Note 3: The manufacturer's engineering documentation must show how the structure is to be assembled, any required hold down ballast and the maximum design wind speed (in 3 second wind gust m/s) and if it complies with the relevant Australian Standards. If the documentation does not satisfy the required relevant Australian Standards, then another of the requirements listed within this same cell of the table must be satisfied.

Note 4: The guide is available at

<https://www.hireandrental.com.au/uploads/resources/Weighting%20guide%20September%202016.pdf> ;
<https://www.hireandrental.com.au/resources/information-sheets>

Note 5: A template of the engineering inspection certificate is attached to this document and must be completed in full. If the Occupant requests any amended details on the certificate, then these changes must be discussed and agreed with TBMP prior to submission. If insufficient room is available on the template, please provide additional information as an attachment to the template.

NON- COMPLIANCE

Any Occupant found with a non-compliant temporary structure, will be directed by TBMP to rectify the defect, or to dismantle the structure and remove it from the site.

TBMP has the right to reject and remove from site any temporary structure for failing to meet the requirements detailed herein.

At the discretion of TBMP, any structure which is non-compliant with this policy, and at the discretion of TBMP, a direction may be given to the Occupant to immediately deflate or dismantle the structure at any point in time.

Any costs incurred, whether rectification to a structure, complete removal of a structure, deflation or dismantling of a structure, will be solely at the Occupant's cost, regardless of who orders or undertakes this work.

MONITORING STRUCTURAL STABILITY

The Occupant is to be aware of the design wind speed of their structure(s).
The Occupant must:

- Maintain constant supervision of the structure during the event;
- Where a structure is erected for multi-day duration events, take all necessary steps to secure the structure for overnight and any other periods where the structure may be unattended.
- Vigilantly review forecast windspeeds by BOM; and
- Observe site wind and weather conditions, such that the Occupant may;
- Be ready at short notice to deflate/dismantle or otherwise strike down the structure, should it be unsafe for occupation or could become at risk of being struck down; or otherwise be damaged; or itself become projectile and cause damage.
- Bear any and all costs, whether rectification to a structure, complete removal of a structure, deflation or dismantling of a structure, will be solely at the cost of the Occupant, regardless of who undertakes this work.

DEFINITIONS

TBMP: The Bend Motorsport Park, its buildings and area including those areas under hire or otherwise let to another entity.

Occupant: Any person (or company) who erects or has effective control of a structure at The Bend Motorsport Park site.

PPE: Personnel Protective Equipment.

Certified Practicing Engineer (CPEng) is a Certified Practicing Engineer who is practicing in their field of expertise and registered as CPEng with Engineers Australia. In reference to this policy, the Engineer must be a Structural Engineer.

Occupancy Permits are documents that signify that a building surveyor is satisfied and has approved your Temporary Structure as being suitable for occupation under applicable South Australian regulations.

Vulnerable Structures are structures which do not comply with the requirements of the ABCB Temporary Structures 2015 standard. These structures will need to be monitored during the Event to ensure they do not fail under high wind speeds.

TEMPORARY STRUCTURE ENGINEERING DESIGN CERTIFICATE			
TBMP PRECINCT:			
OCCUPANT:			
EVENT:			
ASSEMBLY DATE:		DISMANTLE DATE:	

TEMPORARY FACILITY/STRUCTURE DETAILS:

STRUCTURE NAME:	
STRUCTURE ID: (As Provided by TBMP)	
DESCRIPTION OF FACILITY/STRUCTURE (Include 'footprint' description):	

STRUCTURAL DOCUMENTS:

STRUCTURAL ENGINEERING DRAWING(s) (Include revision number/date):	
STRUCTURAL ENGINEERING CALCULATION(s) (Include revision number/date):	

RELEVANT STANDARDS:

(a)	The relevant section of the BCA:	2016
(b)	The relevant clauses of the Building Code of Australia (BCA) as follows:	Section B
(c)	The relevant Australian Standards as follows (number/year):	<ul style="list-style-type: none"> • AS 1170.0-2002 • AS 1170.1-2002 • AS 1170.2-2011 • AS 1170.4-2007 • Temporary Structures Standard 2015 • Any other relevant nominated standard – Engineer to list:

DESIGN PARAMETERS:

(d)	Importance Level =	
(e)	Design (V_{des}) Wind Speed (m/s) =	
(f)	Minimum allowable geotechnical bearing pressure (kPa) =	
(g)	Design live load (for floor) (kPa) =	
(h)	Any other relevant design parameters (please state and advise parameter):	

COMPLIANCE:

STRUCTURAL ENGINEERS' FULL NAME:	
TERTIARY QUALIFICATION:	
COMPANY NAME:	
COMPANY ADDRESS:	
PROFESSIONAL INSURANCE DETAILS (Insurer, Value, Policy No):	
PHONE:	
EMAIL:	
CPEng REGISTRATION NUMBER:	

I, _____ (Engineer's full name) hereby certify that I am the structural engineer responsible for the design and documentation of the structure/s or facility/s described above, and that the design has been carried out in accordance with the requirements of the Australian Standards listed above and the BCA.

Signature:

Date:

TEMPORARY STRUCTURE ENGINEERING INSPECTION CERTIFICATE

TBMP PRECINCT:			
OCCUPANT:			
EVENT:			
ASSEMBLY DATE:		INSPECTION DATE:	

TEMPORARY FACILITY/STRUCTURE DETAILS:

STRUCTURE NAME:	
STRUCTURE ID: (As Provided by TBMP)	
DESCRIPTION OF FACILITY/STRUCTURE (Include 'footprint' description):	

STRUCTURAL DOCUMENTS:

STRUCTURAL ENGINEERING DRAWING(s) (Include revision number/date):	
STRUCTURAL ENGINEERING CALCULATION(s) (Include revision number/date):	

DESIGN PARAMETERS:

(d)	Importance Level =	
(e)	Design (V_{des}) Wind Speed (m/s) =	
(f)	Minimum allowable geotechnical bearing pressure (kPa) =	
(g)	Design live load (for floor) (kPa) =	
(h)	Any other relevant design parameters (please state and advise parameter):	

COMPLIANCE INSPECTION:

STRUCTURAL ENGINEERS' FULL NAME:	
TERTIARY QUALIFICATION:	
COMPANY NAME:	
COMPANY ADDRESS:	
PROFESSIONAL INSURANCE DETAILS (Insurer, Value, Policy No):	
PHONE:	
EMAIL:	
CPEng REGISTRATION NUMBER:	

I, _____ (Engineer's full name) hereby certify that I am the structural engineer responsible for the design and documentation of the structure/s or facility/s described above, and that the design has been carried out in accordance with the requirements of the Australian Standards listed above and the BCA.

Signature:

Date:

A signed, completed copy of this document shall be submitted to The Bend Motorsport Park for acceptance. Incomplete or unsatisfactory submissions will deem subject structures as failing acceptance and, unusable until a successfully completed 'As built' inspection is received and approved by TBMP.

Any Structures that are not accepted shall be remediated to an acceptable standard (at the occupants expense - including any re-inspection costs) or struck and removed immediately from TBMP premises.

Temporary structures which fail to comply with the standard but are deemed (in writing) by TBMP to be an acceptable risk shall be added to the Vulnerable structures register and comply with the risk mitigations constraints/actions conferred by that register.