

Rev C
15-Feb
2017

2017 THEME CAMP AND ART STRUCTURE DESIGN REQUIREMENTS (RevC)

(compiled from State and Shire regulations, and Blazing Swan policies)



#	Requirement	Source
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Generators & Fuels

A1	Electrical generators to be sited within middle of camps to minimise both noise and exhaust/air quality impacts on neighbours.	HPBR/ABCB
A2	Non-silenced generators are strongly discouraged and will not be allowed in the quiet/chill zone.	Blaze NMP, EP Noise Regs
A3	Fire extinguisher (ABE; 4.5kg) fixed to a post within 3m of any generator.^	ABCB 4.2.3
A4	Generators and distribution switchboard is secure, test-tagged, labelled with custodian details.	ABCB
A5	Generators are not to be buried in the ground, or clad with combustible insulating material.	Blaze RMP
A6	To prevent possible soil/water contamination, store all fuels within a leakproof bund/container with capacity to hold 110% of the largest fuel container. Use a tarp to cover the bund-container to prevent rainwater collecting in the bund/container. Do not store fuels inside enclosed publicly accessible spaces.	HPBR/EP Act
A7	All generators are to be labelled with the name, camp/artwork name and emergency contact for the person(s) responsible for the generator and connected distributor box/switchboard.	HPBR/Blaze EMP
A8	The final placement of personally-sourced Theme Camp/Artwork electrical generators and/or fuel storage area must be provided to HQ for recording on the site emergency plan map.	Blaze EMP

Structural - Design Requirements

B1	Structures to be erected on stable ground with secure anchorages that will remain secure if ground gets wet.	Kuin Health Local Laws
B2	Anchorages to be designed and installed to prevent lift, fall or release of structures in wind.	KHLL
B3	Structures to be designed and constructed with suitable materials to prevent sudden snapping failure in wind.	KHLL
B4	Purchased structures are to be erected in accordance with the manufacturer instructions.	HPBR/Blaze
B5	Generally, custom-made (non-scaffold) structures over 3m height or >50 m2 of enclosed space will require Structural Engineer certified drawings.	HPBR/Blaze
B6	However, any custom-made (non-scaffold) structures of concern to the Blaze Risk Team and Theme Camp Coordinator may also require Structural Engineer certified drawings.	HPBR/Blaze
B7	The structural integrity and safety of scaffold-built structures must be certified on-site, in writing, by a licensed scaffolder that is pre-accepted by Blazing Swan Incorporated.	HPBR/Blaze
B8	Ground pegs are all capped to prevent spike injuries	HPBR/Blaze
B9	Hanging/elevated equipment (including speakers, lights, decore and FX are double-secured to ensure they will not fall.	HPBR

Structural - Construction Requirements

C1	Purchased or hired structures are to be erected in accordance with the manufacturer instructions.	KHLL/Blaze RMP
C2	Custom structures are to be erected in accordance with the Structural Engineer certified drawings.	KHLL/Blaze RMP
C3	The maximum safe windspeed for occupancy of a publicly accessible structure should be known by the Competent Person and communicated to the Blaze Theme Camp Coordinator.	KHLL/Blaze RMP
C4	Wall and roof bracing is installed and adequately tensioned.	KHLL/Blaze RMP
C5	All ropes and tensioned straps are in good order, correctly fastened and adequately tensioned.	KHLL/Blaze RMP
C6	Fabric and wall cladding is secure, tensioned and not prone to ponding.	KHLL/Blaze RMP
C7	Exposed rope, stakes and ballast accessible to public are identified, flagged and do not present a hazard to the public.	KHLL/Blaze RMP
C8	All locking pins and bolts are in place and correctly tensioned.	KHLL/Blaze RMP
C9	Rope and pole tent hoists are secure and can only be released by an authorised person.	KHLL/Blaze RMP
C10	All structural supports are to be secure and in sound condition.	KHLL/Blaze RMP
C11	Fabric must have no unrepaired tears that compromise structural integrity or user safety.	KHLL/Blaze RMP
C12	Flooring is even and there are no tripping hazards.	KHLL/Blaze RMP
C13	Rope and pole tents must have their full complement of side uprights, anchor stakes, pull blocks and guy ropes.	KHLL/Blaze RMP

Electrical & Lighting - Design Requirements

D1	RCD Safety Switch installed between power source and users	HPBR/ABCB
D2	RCD Safety Switch has been tested and tagged to confirm it is functioning correctly.	HPBR/ABCB

D3	All camps that are accessible to public/attendees at night must provide sufficient lighting to allow safe entry, internal movement and egress. Emergency lighting is also required, ideally powered by a separate electrical circuit,[but 'after-dark' sensor lights may be used as a minimum solution].	HPBR/ABCB [Blaze]
D4	PA/Sound and FX lighting on different circuit from other power/lighting circuits.^	HPBR/ABCB
D5	Power extension cables & cords are tested/tagged, or new	HPBR/ABCB
D6	Electrics protected from water (rain, flood, spills)	HPBR/ABCB
D7	Electrics are inaccessible to public (installed/secured overhead, or beneath cable mats.)	HPBR/ABCB
D8	Lights/Equipment and open plugs protected from water (rain, sheet flooding, spills)	HPBR/ABCB
D9	Generators have an earth spike installed into ground (if required/fitted)	HPBR/ABCB
D10	Generators and distribution box/switchboard are secured from public access.	HPBR/ABCB
Laser Safety		
E1	Handheld lasers are prohibited at Blaze. Fixed installation lasers may be allowed if Blaze accepts your pre-event application for registration. Specific requirements apply for Class 2, Class 3 and Class 4 lasers. Contact the Blaze Risk Team for more details.	Radiation Safety Act
Fire Safety - Design Requirements		
F1	All temporary structures should have at least 1.5 metre separation.	ABCB 4.1.3
F2	And a 6-metre fire truck-accessway should be maintained between Theme Camps.	ABCB 4.1.3
F3	Tent fabric and interior decorations should not be made of highly flammable fabric/materials.	HPBR/ABCB
F4	Exits from enclosed spaces >24m ² are not to be covered, especially not by flammable curtains.	HPBR/ABCB
F5	No open candles, fire, flames or gas heaters inside tents, or within 6 metres of tents.	ABCB 4.1.3
F6	Candles are to be enclosed in deep sand-weighted glass-jars.	HPBR
F7	Signs stating 'No Smoking' within enclosed spaces accessible to the public.	HPBR
F8	Burn barrels and fire-art/pyro FX must be positioned and managed as per valid Blaze Burn Permit*	Blaze FMP/BFCA
F9	A smoke alarm should be installed in enclosed public spaces where the public may fall asleep.	ABCB
Enclosed Space Exits - Design Requirements		
G1	At least one 2m-wide exit from an enclosed space with an occupancy capacity <25 person.	ABCB 4.3.2
G2	At least two 3m-wide exits from an enclosed space with an occupancy capacity >50 persons.	ABCB 4.3.2
G3	At least three 4m-wide exits from an enclosed space with an occupancy capacity >200 persons.	ABCB 4.3.2
G4	The 2-metre minimum height applies to any 3m or 4m-wide exit. Blaze may allow a reduced minimum height of 1.8 metres for enclosed spaces with occupancy less than 25 persons.	ABCB 4.3.3
G5	Exits to be kept unobstructed and discharge into open space (i.e. nothing blocking escape).	HPBR/ABCB
G6	Exits to be marked with an overhead EXIT signs that are illuminated by a dedicated safety lighting circuit, or are photo-luminescent [and/or installed under a suitably bright "after-dark" triggered solar-charged light.]	HPBR/ABCB [Blaze]
Fire First Response - Design Requirements		
H1	Fire extinguisher, AB(E); 4.5 kg, fixed to a post within 2m of a <3kVA generator or switchboard^	ABCB 4.2.3
H2	Fire extinguisher AB(E), 9.0 kg fixed to a post within 2m of a >3kVA generator or switchboard.^	ABCB 4.2.3
H3	Fire extinguisher AB(E), ≥4.5 kg, fixed to a post within 5m of each entry/exit.^	ABCB 4.2.3
H4	Fire extinguisher AB(E), ≥4.5 kg, fixed inside to a post for every 100 m ² of enclosed dancefloor, workshop or lounge space that has occupancy capacity of >50 persons.^	ABCB 4.2.3
H5	Fire blanket, wet towel in bucket, or sand bucket, in any kitchen^	HPBR/ABCB
Solid and Liquid Wastes		
I1	Kitchen/Serving Bar has both general waste bins and recycling bins.	HPBR/KHLL
I2	Kitchen/Serving Bar to capture all liquid grey/black wastewater in secure containers for off-site disposal in accordance with State/Shire laws and the Blazing Swan "Leave No Trace" principle.	HPBR/KHLL
I3	Kitchen/Serving Bar has hand-washing facilities	HPBR/KHLL
I4	Kitchen/Serving Bar is clean, tidy and hygienic at all times.	HPBR/KHLL
I5	Facilities are available to keep perishable food cool and hygienic.	HPBR/KHLL
i6	Camp waste is not left open to air/flies or wind.	HPBR/KHLL
Sound - Design Requirements		
J1	PA loudspeakers to face toward lake (unless otherwise agreed by the Theme Camp Coordinator.)	Blaze NMP
J2	To avoid community impacts/complaints, PA subwoofers are to be used in moderation after midnight, and ideally not used after 3am if there are <25 people dancing on the dancefloor.	Blaze NMP
J3	Sound systems in the quieter theme camp zones should not exceed 300w RMS.	Blaze NMP
J4	High power professional PA sound systems to be sized and operated with regard for the total cumulative noise levels emitted from the Blazing Swan site, and respect for the local farming community affected by noise emitted over 7 days and nights from Jilakin Rock City.	Blaze NMP
Other		
K1	Each theme camp must have a First Aid Kit and a Torch.	Blaze RMP
K2	All theme camps are strongly encouraged to have an 80-channel CB radio, so they have direct radio contact with HQ on CB Channel #13 in case of an emergency.	Blaze RMP
K3	Every theme camp with a dance floor should keep an emergency torch beside the DJ booth.	Blaze RMP

K4	<i>deleted</i>	
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Compliance Assurance

L1	Every registered Theme Camp and Artwork must provide a "Competent Person", with demonstrable practical knowledge and experience, to assume legal and practical responsibility for ensuring the camp and/or artwork complies with all the applicable structural, safety and public health requirements, and will not cause injury to people or harm to the environment.	HPBR & Blaze RMP
L2	It is a legal requirement that Theme Camps and Artworks not be opened to or entered by the public or Blaze attendees, until the "Competent Person" signs a "Certificate of Construction Compliance" that confirms all the applicable requirements are met, and the signed certificate is delivered to and accepted by Blaze Org at HQ.	HPBR & Blaze RMP
L3	The Competent Person must confirm the structure is erected as per the instructions and/or the Structural Engineer certified drawings, and other applicable State/Shire and Blaze Org design and operating requirements. The Competent Person is also legally responsible for ensuring the Camp or Artwork is inspected and maintained daily to ensure it remains safe for event attendees and will not cause injury to persons or harm to the environment.	HPBR & Blaze RMP
L4	The completed Daily Safety Checklist must be returned to Blaze Org at HQ on departure from site.	HPBR & Blaze RMP

References

HPBR	WA Health (Public Building) Regulations 1992, Health Act 1911/2016 and related DoHealth published guidelines.
KHLL	Kulin Health Local Law 2016, and DoHealth Guidelines for Concerts Events and Organised Gatherings 2009.
ABCB	Australian Building Code Board - Temporary Building Standard, 2015
Blaze EMP	Blazing Swan Emergency Management Plan 2017
Blaze FMP	Blazing Swan Fire Management Plan 2017, guided by compliance with Bush Fires Control Act 1954 and regulations.
Blaze NMP	Blazing Swan Noise Management Plan 2017, guided by compliance with the Env Protection (Noise) Regs 1997.
Blaze RMP	Blazing Swan Risk Management Plan 2017, and related event approval conditions.

Your feedback and questions are welcomed. Contact: risk@blazingswan.com.au