



Prime Consulting Engineers Pty. Ltd.
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Extreme Marquees
3 Bailey Ct
Brendale QLD 4500

Address: Level M 394 Lane Cove Rd
Macquarie Park NSW 2113
Phone: (02) 8964 1818

Ref. no: CE/24-836-3

Date: 18th 04 2024

CERTIFICATE OF DESIGN

Structure Size(s): 5m x 5m High Pressure Inflatable
Model: EMX Series

Prime Consulting Engineers have been engaged by Extreme Marquees to carry out computation structural analysis for the purpose of determining ballast requirements of the above structure(s) for the maximum **80 km/hr** wind speed in “Blocked Under” and “Empty Under” conditions to be erected as temporary structure(s) at various sites throughout Australia.

We certify that the above structure(s) are designed in accordance with standard engineering practice. The Temporary Structure(s) listed above must be erected using ballasts as detailed in the table below:

Dome Size	Wind Speed (Km/hr)	Condition	Weight Requirements Per Leg (KG)	Total Weight Requirements (KG)
3m x 3m	80	Empty Under	60	240
		Blocked Under	150	600
	60	Empty Under	35	140
		Blocked Under	90	360
	40	Empty Under	15	60
		Blocked Under	40	240

Yours faithfully,
Bijaya Giri
MEng, MIEAust, CPEng, NER, APEC, IntPE (Aus), RPEQ, PE (VIC)

