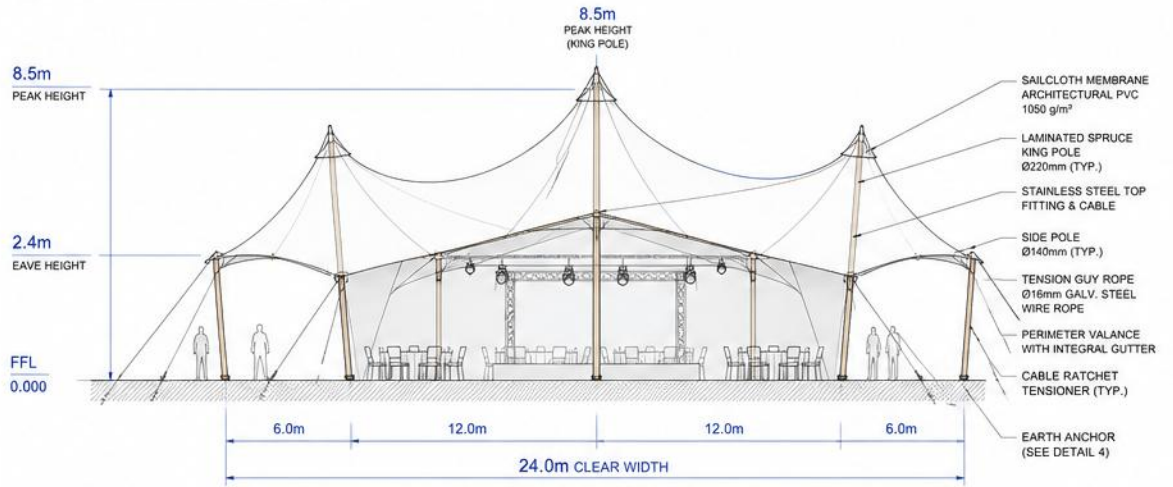
LUXURY MULTI-PEAK SAILCLOTH EVENT TENT

24.0m CLEAR WIDTH x 42.0m LENGTH



STRUCTURAL SPECIFICATIONS	
CLEAR WIDTH	24.0m
LENGTH	42.0m
PEAK HEIGHT (KING POLE)	8.5m
EAVE HEIGHT (SIDE POLE)	2.4m
KING POLES	LAMINATED SPRUCE Ø220mm x 8.5m HIGH
SIDE POLES	LAMINATED SPRUCE Ø140mm x 2.4m HIGH
SAILCLOTH MEMBRANE	PVC COATED POLYESTER 1050 g/m²
TENSION SYSTEM	GALV. STEEL WIRE ROPE Ø16mm (MIN. BREAK 196kN)
EARTH ANCHORS	SCREW ANCHOR SYSTEM (SEE DETAIL 4)
DESIGN WIND SPEED	35 m/s (ULTIMATE) 22 m/s (SERVICEABILITY)
OCCUPANCY	BANQUET STYLE 280 PAX
PEPLICABLE CODES	AS/NZS 1170.0, 1170.2, 1170.10 ASCE 37-14, ASCE 7-16

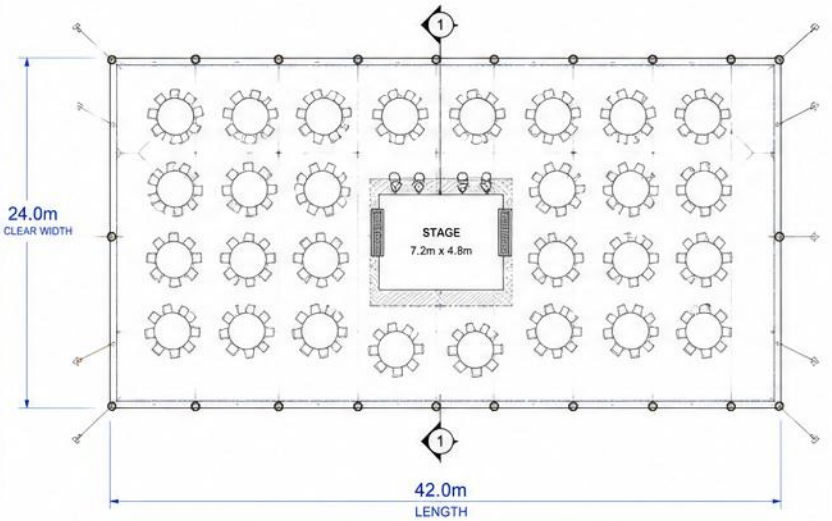
GENERAL NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
2. ALL STRUCTURAL ELEMENTS SHALL BE DESIGNED IN ACCORDANCE WITH THE APPLICABLE CODES.
3. CONTRACTOR TO VERIFY ALL DIMENSIONS ON SITE PRIOR TO FABRICATION.
4. SAILCLOTH MANUFACTURER TO PROVIDE FABRICATION & INSTALLATION SHOP DRAWINGS.
5. DO NOT SCALE FROM DRAWINGS.

REV	DESCRIPTION	DATE
A	ISSUED FOR REVIEW	23/05/2024

1 CROSS-SECTION ELEVATION

SCALE 1:100

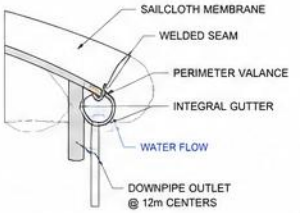


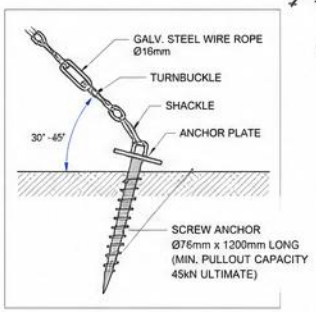
2 BANQUET LAYOUT PLAN

SCALE 1:200

3 PERIMETER DRAINAGE VALANCE DETAIL

SCALE 1:10



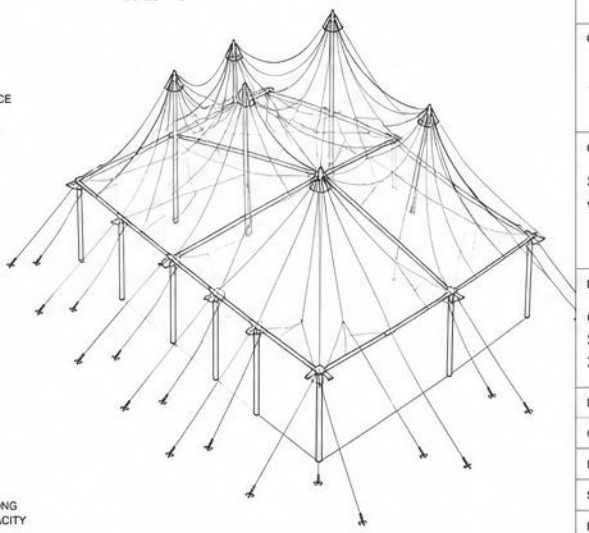


4 EARTH ANCHOR DETAIL

SCALE 1:10

5 3D ISOMETRIC STRUCTURAL VIEW

SCALE NTS



PROJECT
LUXURY EVENT TENT 24.0m x 42.0m

CLIENT
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CONSULTANT
STRUCTURAL DESIGN STUDIO
www.structuraldesignstudio.com

DRAWING TITLE
GENERAL ARRANGEMENT, SEATING PLAN, DETAILS & 3D ISOMETRIC

DRAWN BY	SDD
CHECKED BY	SDD
DATE	23/05/2024
SCALE	AS SHOWN

DRAWING NO.
SDD-TENT-2400x4200-GA

REV **A**

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