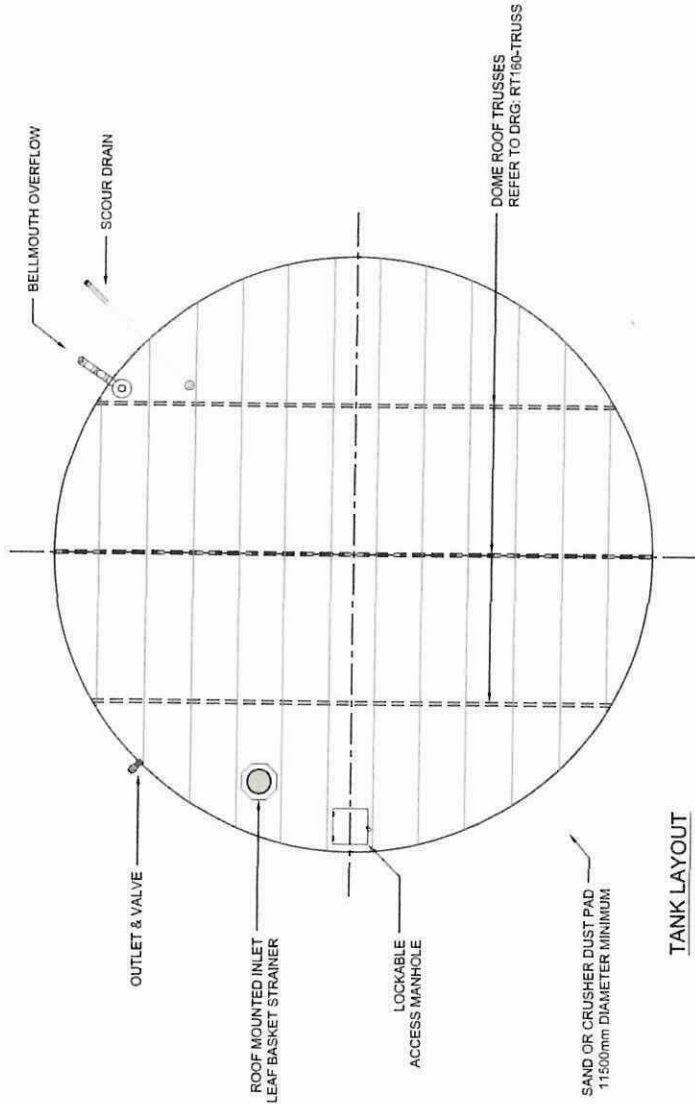
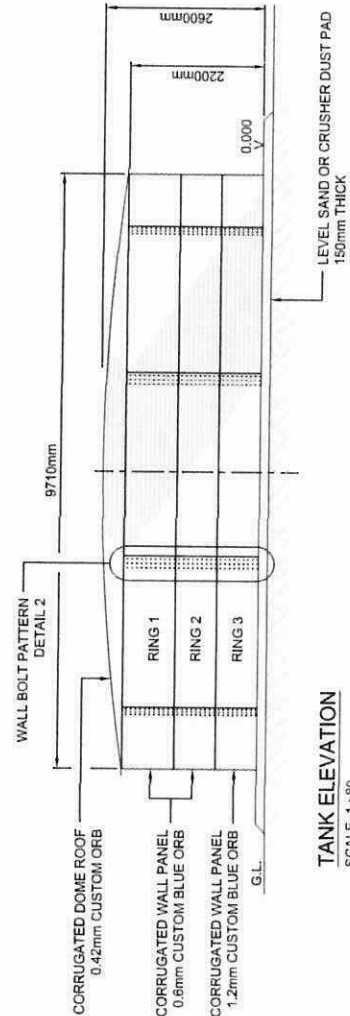


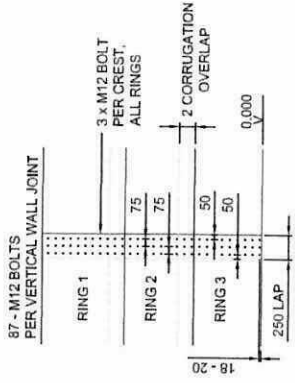
**RHINO WATER TANK - RT160**



**TANK LAYOUT**  
SCALE 1 : 80

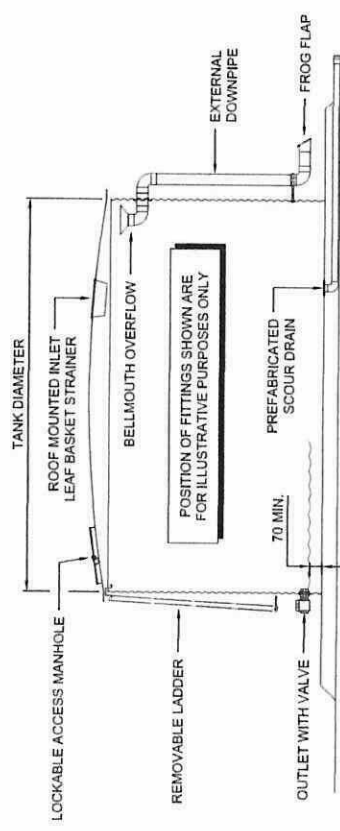


**TANK ELEVATION**  
SCALE 1 : 80



**DETAIL 2 - WALL BOLT PATTERN**  
SCALE 1 : 50

DETAILS	SPECIFICATIONS	STANDARDS
TOTAL VOLUME	162 890 L	AS 1397
TANK DIAMETER	9710mm	AS 4600
NOMINAL HEIGHT	2200mm	AS 4100
TOTAL HEIGHT	2600mm	AS 4100
TANK MODEL	RT 160	RHINO
WALL SHEETING	0.6 CUSTOM BLUE ORB	AS 1445
No OF RINGS	3	AS 1365
PANELS PER RING	10	AS 1397
ROOF SHEETING	0.42 CUSTOM ORB	AS 1445
No OF TRUSSES	3	AS 4100
WALL BOLTS	870 (M12)	AS 4291
ANODES	3 (MAGNESIUM)	AS 2239
WIND DESIGN	REGION B	AS 1170
IMPORTANCE	LEVEL 2	AS 1170
TERRAIN	CATEGORY 2	AS 1170



**TYPICAL TANK FITTINGS**  
NOT TO SCALE

REF: S221213  
16/09/2022  
WA STRUCTURAL CONSULTING  
ENGINEERS PTY LTD  
525 HAMILTON STREET  
SUBIACO, WA, 6008



**JOSH GIBBINGS** (P.Eng., NFER)  
(B. Eng.) Structural Engineer  
EA Member No. : - 3029423

TITLE		SCALE	
KINGSPAN RHINO WATER TANKS RURAL TANK SPECIFICATIONS RT160 GENERIC DESIGN DRAWING		AS SHOWN	
JOB No. GA		SIZE	A3
DRAWING No. RT160		SHEET	1 / 1
REV		DESCRIPTION	REV
2	WALL BOLTS & OUTLET INVERT	SC	MU
1	GENERAL ARRANGEMENT ONLY	SC	MC
0	GENERAL ARRANGEMENT ONLY	SC	MC
DATE	DRAWN	CHECK	
02/09/22	SC	MU	
28/08/19	SC	MC	
03/07/17	SC	MC	



Ph. 1800 632 410  
Fax 1800 632 350

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Our Ref: SY210013  
Enquiries to: Brian Cardelli



3 August 2021

Rhino - Kingspan  
14 Ballantyne Road  
KEWDALE WA 6105

**Attention: Mark Creaven**

**RE: STEEL FRAME WATER TANK DESIGN - DOMESTIC  
STRUCTURAL CERTIFICATE – DESIGN**

This is to confirm that our company has carried out structural design of Rhino Water Tanks domestic range of water tanks as listed below:

GA-RT 25  
GA-RT 40  
GA-RT 60  
GA-RT 80  
GA-RT 100  
GA-RT 130  
GA-RT 160  
GA-RT 200  
GA-RT 230  
GA-RT 255  
GA-RT 275  
GA-RT 310  
GA-RT 365

We certify that the structural design, as documented for the above tanks, is in accordance with accepted engineering practice and is in accordance with the relevant provisions of the following:

- The Building Code of Australia
- Relevant Australian Standards
  - as referenced in Schedule 4 of the BCA 2019, Amendment 1 – Vol 2
  - AS/NZS1170.1:2002 and AS1170.4:2007, AS1657:2018, AS2304:2019, AS3600:2018, AS4100:2020, AS/NZS4600:2018.
  - AS/NZS1170.2:2011
- Planning Development & Infrastructure Regulations 2017 Reg 61

This certificate does not relieve the builder of his responsibility to construct the works in accordance with the documentation and accepted building practices and to comply with relevant laws, regulations, codes and standards.

I am a Professional Engineer with appropriate experience and competence in this field.

Yours faithfully  
**van der Meer Consulting**

A handwritten signature in black ink, appearing to read 'Mark Davies', written over a horizontal line.

**MARK DAVIES**  
Managing Director  
BE (Civil) MIEAust CPEng NER (Struct) RPEQ RBP

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<b>MELBOURNE</b>	Level 6, 379 Collins Street, Melbourne VIC 3000	<b>P</b> 03 8614 5555	<b>E</b> VIC-enquiries@vandermeer.com.au
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