



**HEALTH (TREATMENT OF SEWAGE AND DISPOSAL OF EFFLUENT AND  
LIQUID WASTE) REGULATIONS 1974**

# **HOLDING TANKS APPROVAL**

This is to certify that the **Coerco Underslung Holding Tank**

Model Designation	ABWT 2000 ABWT 4000 ABWT 6000 ABWT 8000 ABWT 10000 ABWT 12000
Manufactured by:	Coerco Pty Ltd 9 Huggett Drive, Dalwallinu, WA, 6609
DoH Approval Number:	F-AA-30918-1

is approved by the Chief Health Officer under the *Health (Treatment of Sewage and Disposal of Effluent and Liquid Waste) Regulations 1974* for use within Western Australia in accordance with the conditions of this approval.

Date of Issue: 04 September 2023

This approval is valid for a period of five (5) years from the date of this approval or until withdrawn by the Chief Health Officer.

**Richard Theobald**  
delegate of  
**CHIEF HEALTH OFFICER**





## SCHEDULE 1: GENERAL DESCRIPTION

### Specification Summary

Tank Model	Capacity (L)
ABWT2000	2000
ABWT4000	4000
ABWT6000	6000
ABWT8000	8000
ABWT10000	10000
ABWT12000	12000

## SCHEDULE 2: CONDITIONS OF APPROVAL

### 1. General

- 1.1 Approval is granted in accordance with the drawings submitted and stamped by the Department of Health WA.
- 1.2 No alteration to the design or specification of the sewage holding tanks shall occur without prior approval of the Chief Health Officer.
- 1.3 Any changes to the design or the construction of the sewage holding tanks shall be submitted for assessment and approval to the Department of Health before being made commercially available in Western Australia.
- 1.4 Conditions of approval may be varied or withdrawn at the discretion of the Chief Health Officer.
- 1.5 sewage holding tanks shall be permanently and legibly marked on a non-corrosive metal plaque or equivalent, attached on the top external face of the tank adjacent to the inlet fitting with the following information:
  - Brand name of the system
  - Manufacturer name or registered trademark
  - Distributor name
  - Month and year of manufacture
  - Capacity in litres
  - Top load limitations
  - Weight of tank

All marking shall be permanent, legible, and clearly visible.





- 1.6 The serviceable life of the sewage holding tanks and associated fittings shall be a minimum of 10 years provided it is installed in accordance with recommendations.
- 1.7 The use of the sewage holding tanks shall not cause health risk or odour nuisance as a result of sewage overflow, backflow or spillage.

## 2 Installation and Commissioning

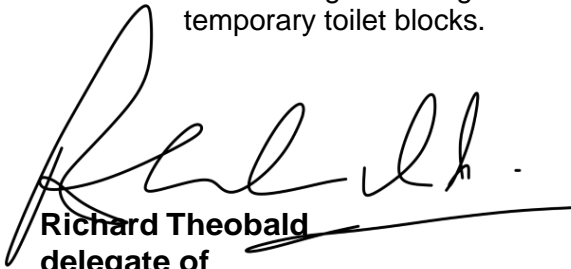
- 2.1 For each installation, an application for approval to install shall be in the form of an application to install an apparatus as required under the *Health (Treatment of Sewage and Disposal of Effluent and Liquid Waste) Regulations 1974*. Each application for installation shall be made to the Local Government and include full plans and specifications, a completed *Application to Construct or Install an Apparatus for the Treatment of Sewage* form, and pay all fees as prescribed
- 2.2 The installation of sewage holding tanks shall be installed in accordance with the installation instructions specified by the manufacturer and shall comply with minimum clearances from buildings and property boundaries as per Local Government requirements.
- 2.3 The Local Government should require that on completion of the installation of the sewage holding tanks, the system is inspected and checked by the installer.
- 2.4 The sewage holding tanks shall be supplied, constructed and installed in accordance with the design as certified by Structural engineer documents.
- 2.5 Contents of the sewage holding tanks must be pumped, transported and disposed of in a manner approved by the local government. No sewage from the holding tank is allowed to be spilt onto the ground surface, into ground water or surface waters.
- 2.6 Sewage from the sewage holding tanks must be removed and disposed by a licensed operator and onto an approved disposal site.
- 2.7 The sewage holding tanks shall be fitted with appropriate connections/plumbing fixtures to prevent spillage during pump outs.



- 2.8** The sewage holding tanks shall be equipped with audio visual alarms to prevent overflows and spillage.
- 2.9** sewage holding tanks must be supplied with an owner's manual, which sets out the care, operation, and maintenance and on-going management requirements of the system.

### **3 Permitted uses**

- 3.1** The sewage holding tanks is approved only for commercial and temporary use up to a maximum of 12 months.
- 3.2** The sewage holding tanks is approved only for installation with the temporary toilet blocks.



**Richard Theobald**  
delegate of  
**CHIEF HEALTH OFFICER**



04 September 2023

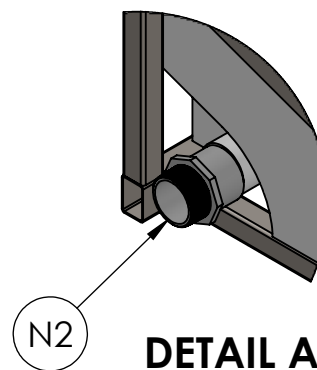
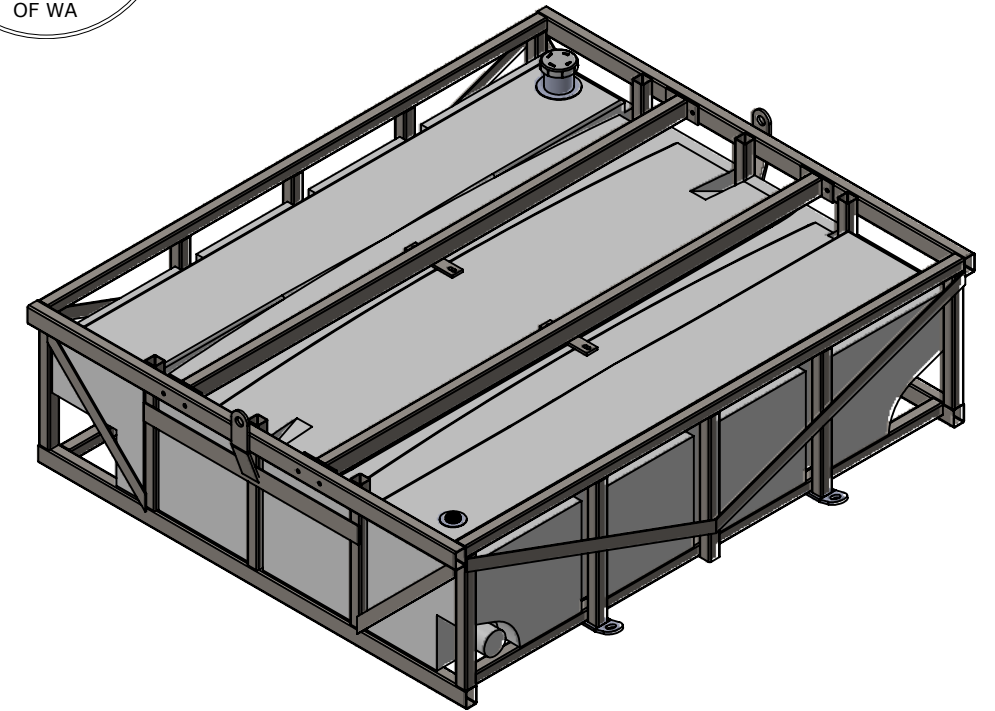
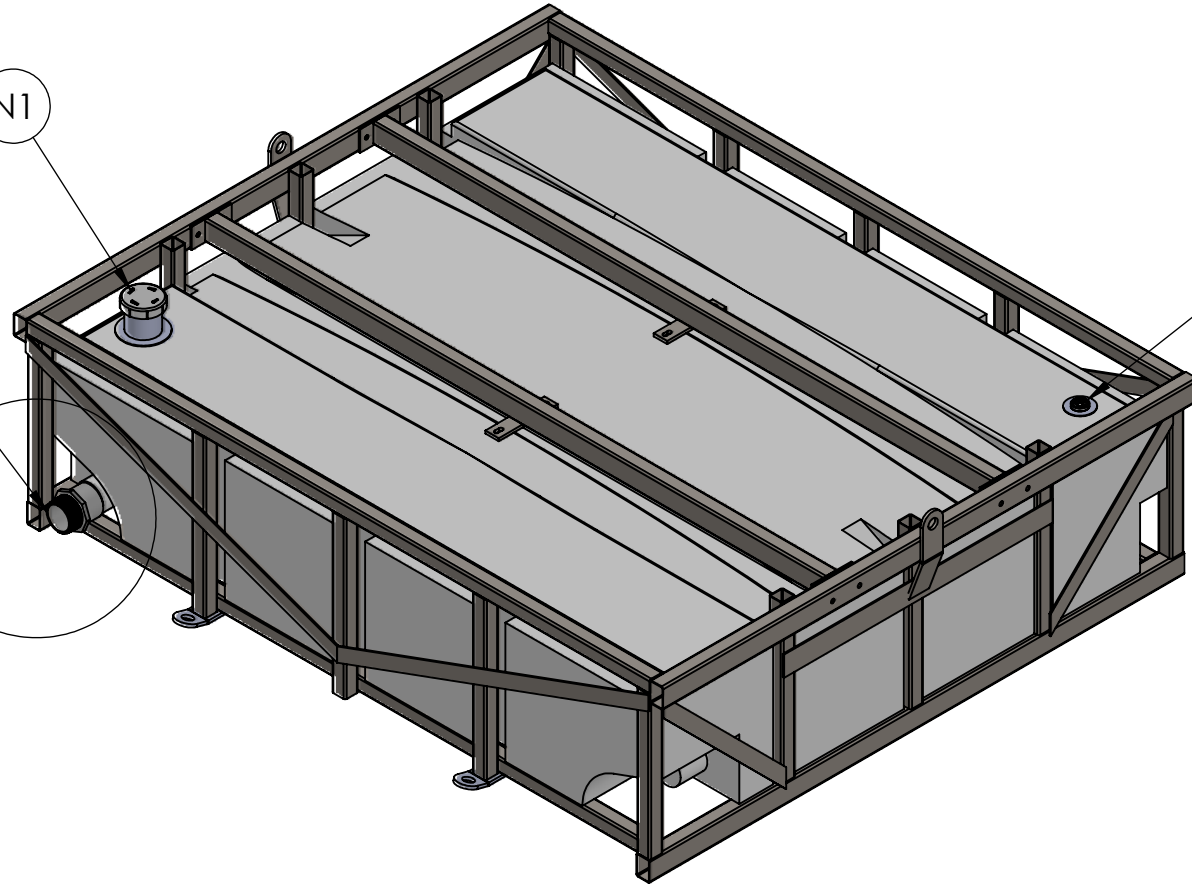







# 2000 LITRE ABLUTION WASTE TANK

ITEM NO.	QTY.	DESCRIPTION
N1	1	100MM PVC INSPECTION OPENING
N2	1	80MM MALE BSP THREADED WASTE OUTLET
N3	1	50MM FEMALE BSP THREADED PLASTIC FITTING AND BUNG

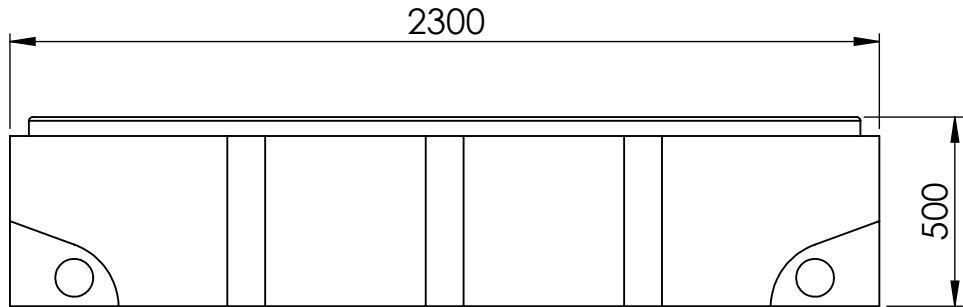
	<b>CERTIFICATION</b> STRUCTURE DESIGN WIND LOADING TO AS/NZS 1170.2 - 2021 ANNUAL PROBABILITY OF EXCEEDANCE - 1:500 - IMPORTANCE LEVEL 2 WIND REGION D (CYCLOONS) - TERRAIN CATEGORY 1 WIND SPEEDS REGIONAL - 88m/s SERVICEABILITY - 55m/s Signed:  Date: 29/08/2023 Robin Saller BEng(Hon) FIE Aust CPEng NER RPEQ RSA Pty Ltd   Unit 6, 9 Playle Street, Myanone WA 6154 T: +61 8 9317 3331   E: info@rsaeng.com.au	RSA REF: 23-0507
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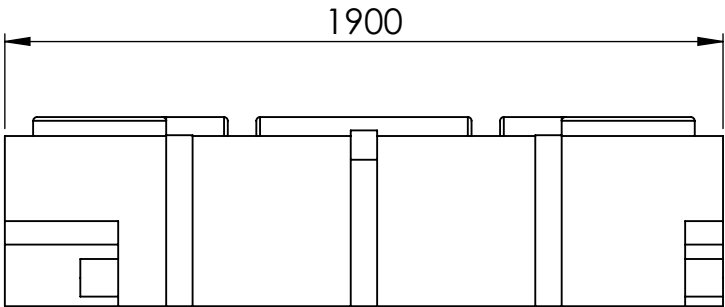
**NOTE:**  
1. UNIT EMPTY WEIGHT = 310kg.

						  <b>coerco</b> Engineered Project Solutions	MATERIAL	AS SPECIFIED	DWN	KD	STOCK CODE ABWT2000SF PRODUCT 2000 LTR WASTE TANK			
							COLOUR/ FINISH		CHK	RB				
00	ISSUED FOR CONSTRUCTION	KD	RB	MJ	14.08.23				APP	MJ				
REV	DESCRIPTION	DWN	CHK	APP	DATE			S.G.	SCALE: NTS					
PROPRIETARY. Neither this document nor its contents may be used or reproduced in any manner without the written authorisation of COERCO Unless otherwise noted all dimensions are in millimetres							COERCO 23 Harris Rd, Malaga Western Australia 6090			Phone: 1800 646 277 E-mail:info@coerco.com.au		SHEET 1 OF 5	DWG NO. ABWT2000SF_GA_001	REV.

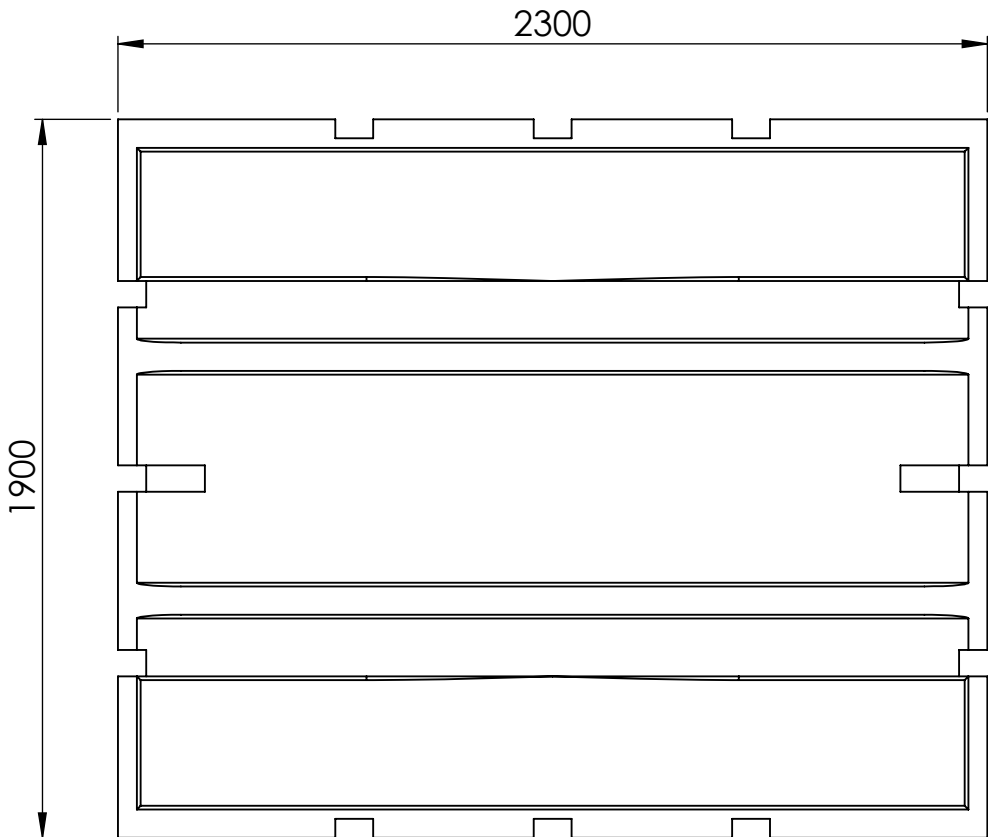




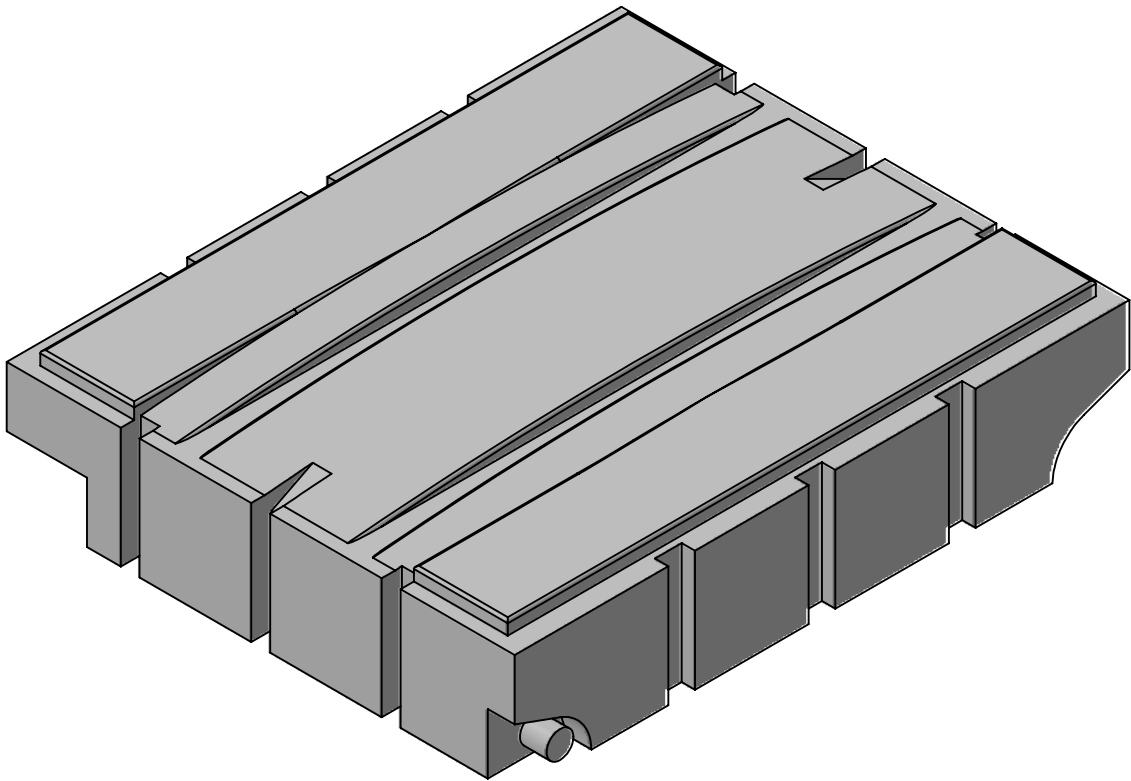
TANK FRONT VIEW




TANK SIDE VIEW



TANK TOP VIEW



- NOTES:**
- 1. EMPTY TANK MASS 100kg
  - 2. TANK NOMINAL CAPACITY 2000 L




CERTIFICATION

STRUCTURE DESIGN WIND LOADING TO AS/NZS 1170.2 - 2021

ANNUAL PROBABILITY OF EXCEEDANCE - 1:500 - IMPORTANCE LEVEL 2

WIND REGION: D (CYCLONIC) - TERRAIN CATEGORY 1

WIND SPEEDS: REGIONAL - 68m/s SERVICEABILITY - 55m/s

Signed:  Date: 29/08/2023

Robin Saller BE(Eng/Env) FEAust CP(Eng) NER RPEQ

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REV	DESCRIPTION	DWN	CHK	APP	DATE



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MATERIAL	AS SPECIFIED
COLOUR/ FINISH	
S.G.	

DWN	KD
CHK	RB
APP	MJ
SCALE: NTS	

STOCK CODE

ABWT2000SF

PRODUCT

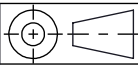
2000 LTR WASTE TANK

SHEET 2 OF 5

DWG NO. ABWT2000SF\_GA\_001

REV.

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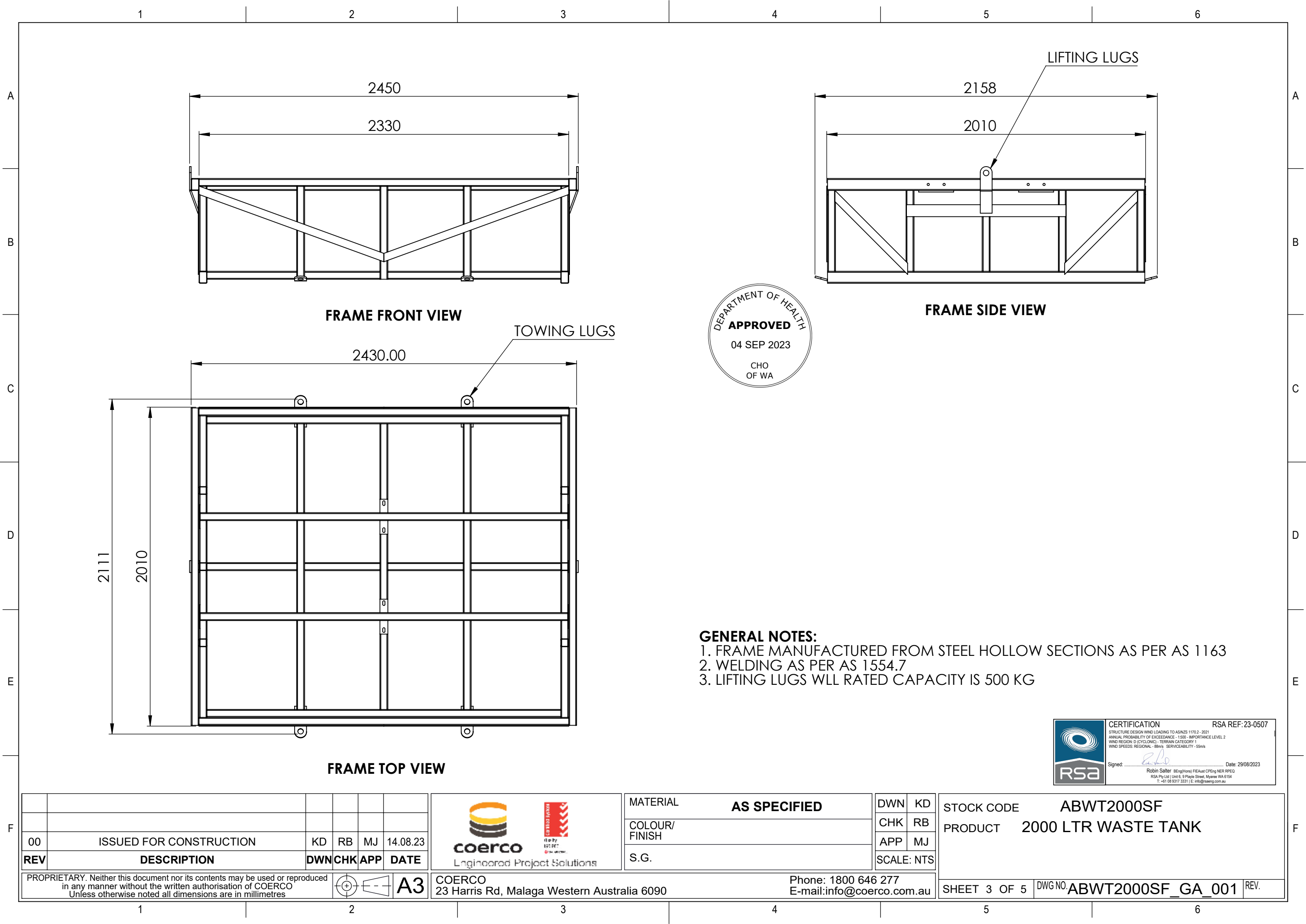


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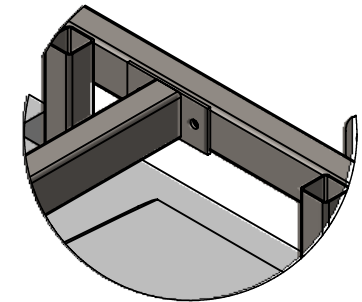
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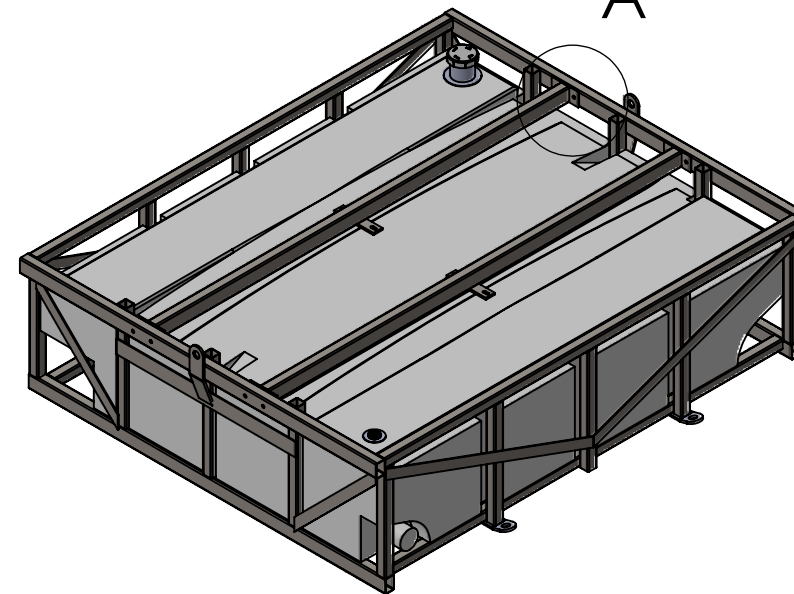
LOCKING BAR-TO BE BOLTED WITH THE FRAME

TANK TO BE INSERTED AS SHOWN

TANK  
INSTALLATION  
DIRECTION


DETAIL A

A

**GENERAL NOTES:**

1. LUGS ARE DESIGNED TO LIFT THE FRAME WITH EMPTY TANKS ONLY.
2. LOCKING BAR TO BE BOLTED USING M12X70 BOLTS.
3. TANK TO BE INSTALLED AS SHOWN.



CERTIFICATION RSA REF: 23-0507  
STRUCTURE DESIGN WIND LOADING TO AS/NZS 1170.2 - 2021  
ANNUAL PROBABILITY OF EXCEEDANCE - 1:500 - IMPORTANCE LEVEL 2  
WIND REGION: D (CYCLONIC) - TERRAIN CATEGORY 1  
WIND SPEEDS: REGIONAL - 88m/s SERVICEABILITY - 55m/s  
Signed:  Date: 29/08/2023  
Robin Saller - BEINGHONG FEAUST OF ENG NEAR RPEQ  
RSA Pty Ltd | Unit 6, 9 Playle Street, Myanma WA 6154  
T: +61 08 9317 3331 | E: info@rsaeng.com.au

REV	DESCRIPTION	DWN	CHK	APP	DATE
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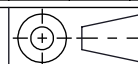


MATERIAL	AS SPECIFIED
COLOUR/ FINISH	
S.G.	

DWN	KD
CHK	RB
APP	MJ
SCALE:	NTS

STOCK CODE ABWT2000SF  
PRODUCT 2000 LTR WASTE TANK

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SHEET 4 OF 5 DWG NO. ABWT2000SF\_GA\_001 REV.

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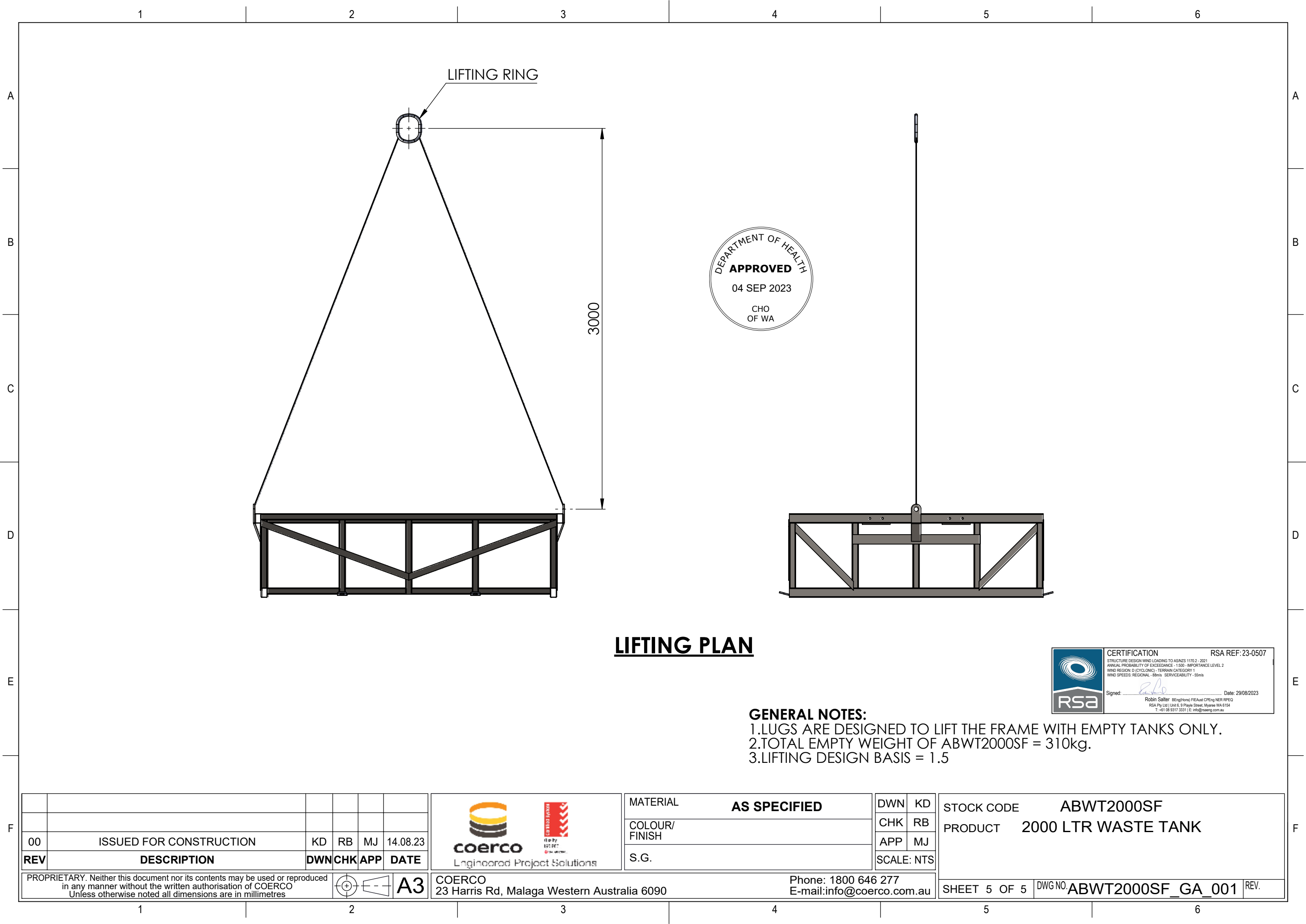
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**LIFTING PLAN**

- GENERAL NOTES:**
- 1.LUGS ARE DESIGNED TO LIFT THE FRAME WITH EMPTY TANKS ONLY.
  - 2.TOTAL EMPTY WEIGHT OF ABWT2000SF = 310kg.
  - 3.LIFTING DESIGN BASIS = 1.5




**CERTIFICATION**

STRUCTURE DESIGN WIND LOADING TO AS/NZS 1170.2 - 2021

ANNUAL PROBABILITY OF EXCEEDANCE - 1:500 - IMPORTANCE LEVEL 2

WIND REGION: D (CYCLONIC) - TERRAIN CATEGORY 1

WIND SPEEDS: REGIONAL - 40m/s SERVICEABILITY - 50m/s

Signed:  Date: 29/08/2023

Robin Salter - (Eng/Hon) FEAust CPEng NER RPEQ

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REV	DESCRIPTION	DWN	CHK	APP	DATE



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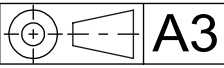
AS 1553 15534

MATERIAL	AS SPECIFIED
COLOUR/ FINISH	
S.G.	

DWN	KD
CHK	RB
APP	MJ
SCALE:	NTS

STOCK CODE	ABWT2000SF
PRODUCT	2000 LTR WASTE TANK
SHEET 5 OF 5	DWG NO. ABWT2000SF_GA_001
REV.	

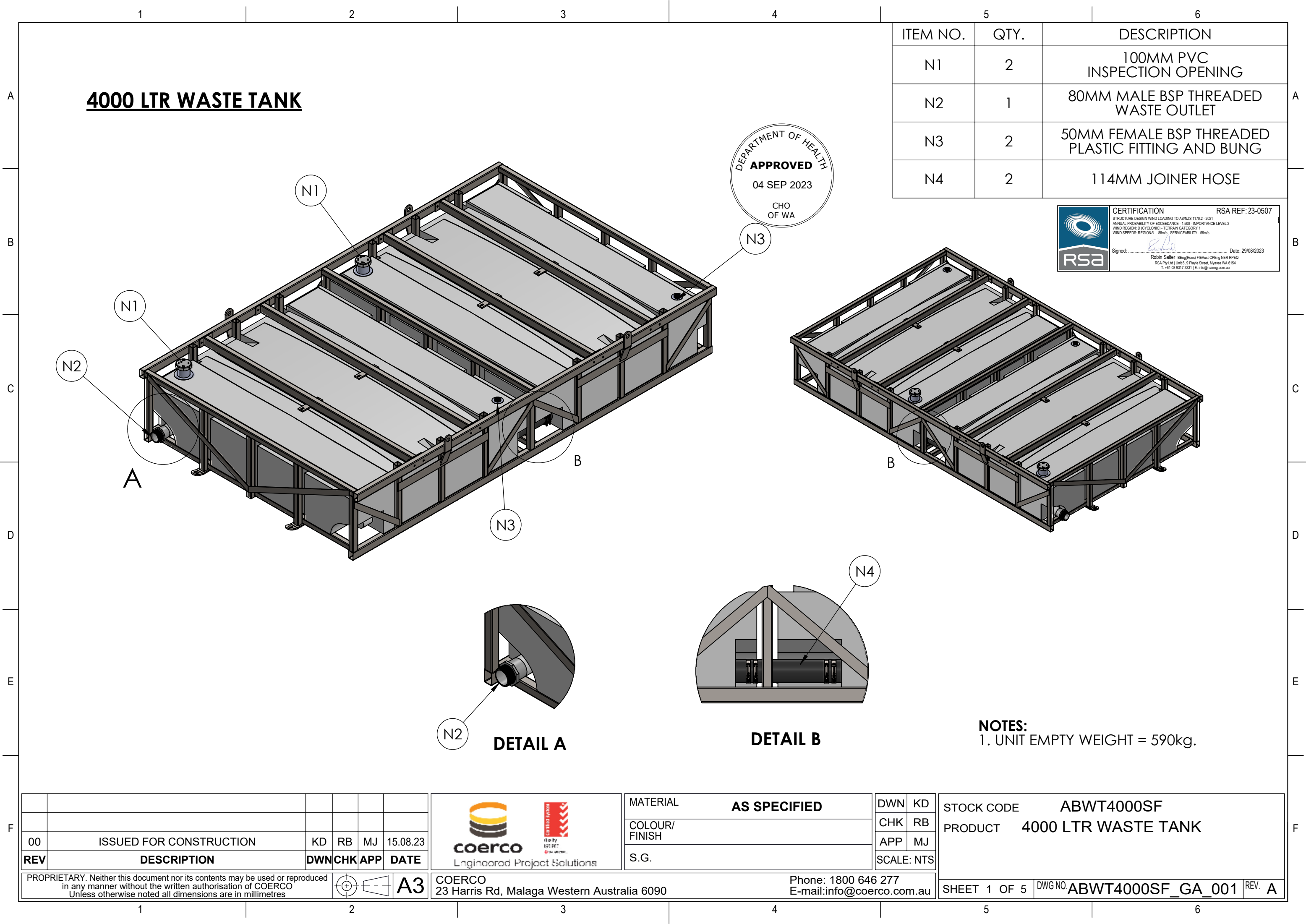
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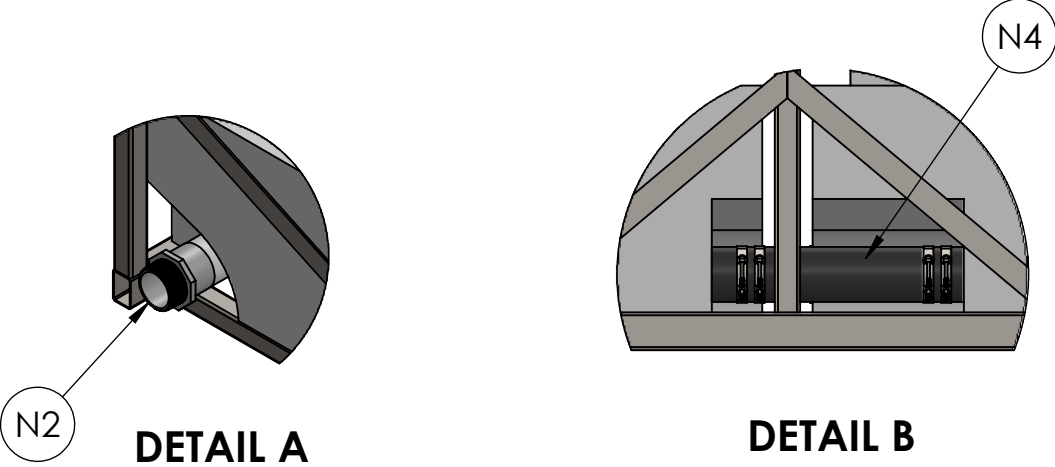
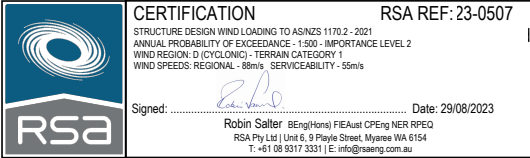
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E-mail: info@coerco.com.au








4000 LTR WASTE TANK

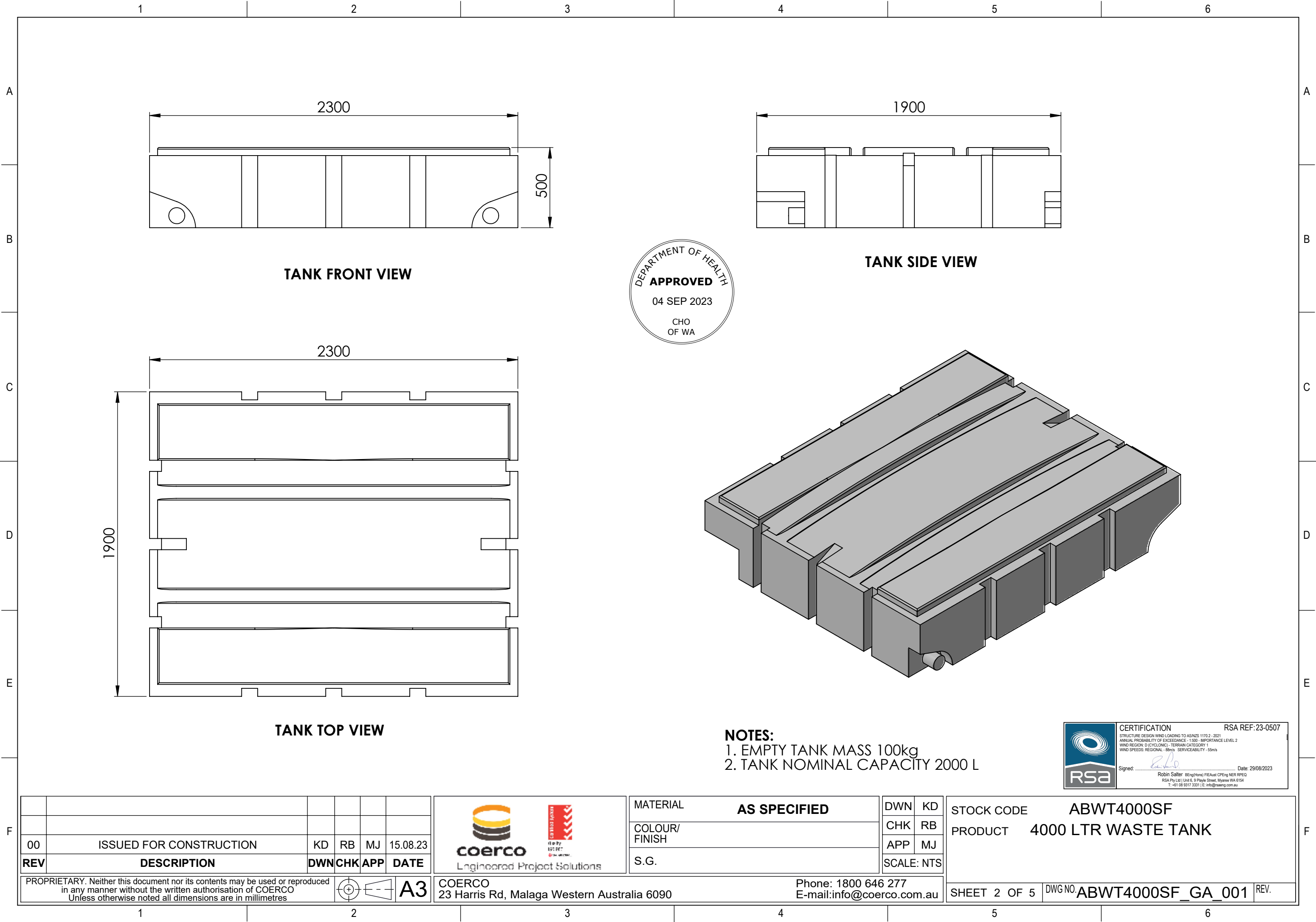
ITEM NO.	QTY.	DESCRIPTION
N1	2	100MM PVC INSPECTION OPENING
N2	1	80MM MALE BSP THREADED WASTE OUTLET
N3	2	50MM FEMALE BSP THREADED PLASTIC FITTING AND BUNG
N4	2	114MM JOINER HOSE



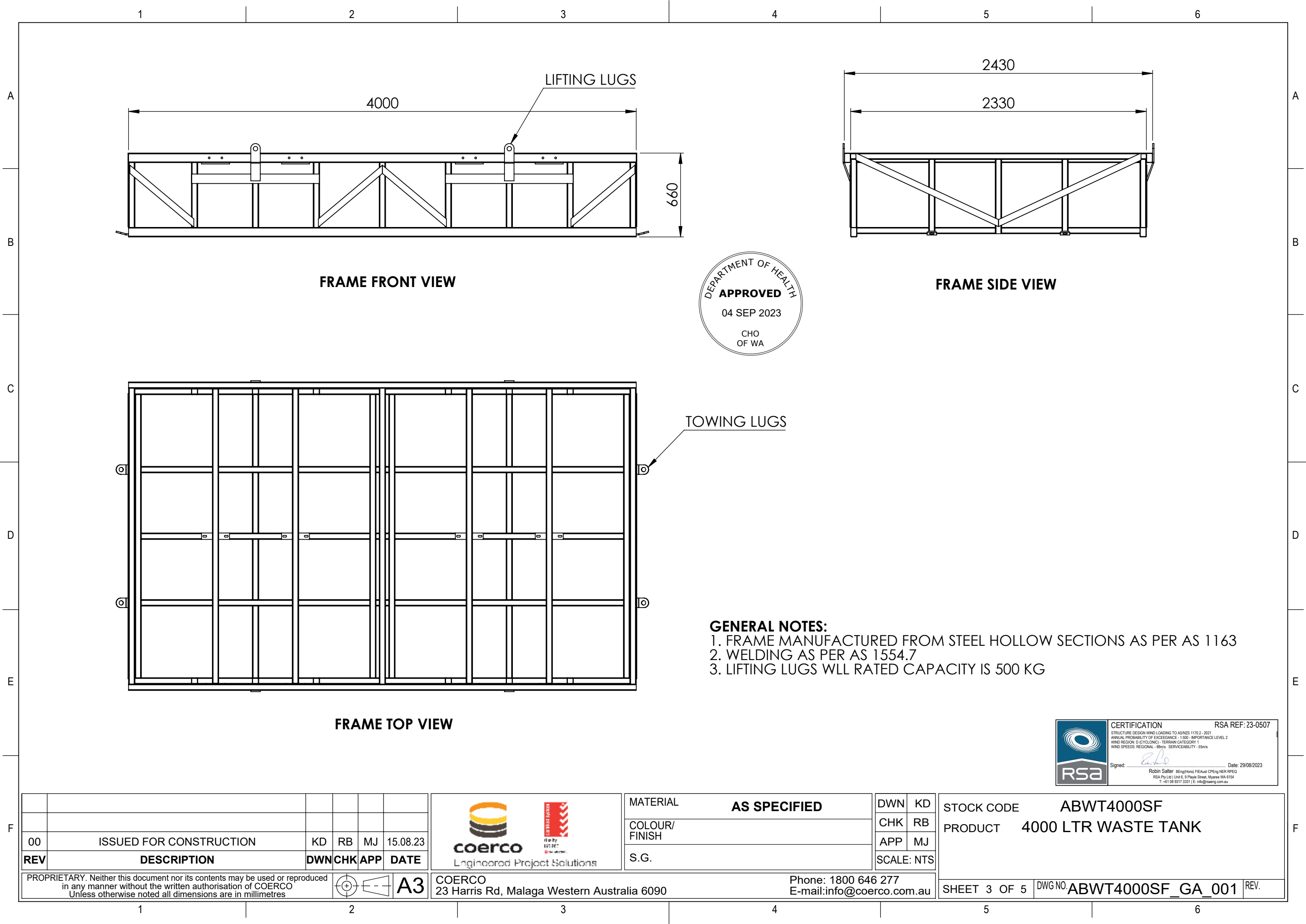
NOTES:  
1. UNIT EMPTY WEIGHT = 590kg.

						  <b>coerco</b> Engineered Project Solutions	MATERIAL	AS SPECIFIED	DWN	KD	STOCK CODE ABWT4000SF PRODUCT 4000 LTR WASTE TANK				
							COLOUR/ FINISH		CHK	RB					
00	ISSUED FOR CONSTRUCTION						KD	RB	MJ	15.08.23					
REV	DESCRIPTION						DWN	CHK	APP	DATE					
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**GENERAL NOTES:**  
1. FRAME MANUFACTURED FROM STEEL HOLLOW SECTIONS AS PER AS 1163  
2. WELDING AS PER AS 1554.7  
3. LIFTING LUGS WLL RATED CAPACITY IS 500 KG



CERTIFICATION  
STRUCTURE DESIGN WIND LOADING TO AS/NZS 1170.2 - 2021  
ANNUAL PROBABILITY OF EXCEEDANCE - 1:500 - IMPORTANCE LEVEL 2  
WIND REGION: D (CYCLONIC) - TERRAIN CATEGORY 1  
WIND SPEEDS: REGIONAL - 88m/s SERVICEABILITY - 55m/s  
Signed:  Date: 29/08/2023  
Robin Saller BEng(Hons) FIEAust CPEng NER RPEQ  
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REV	DESCRIPTION	DWN	CHK	APP	DATE



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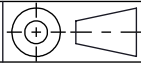
AS 1163  
STEEL  
STRUCTURES

MATERIAL	AS SPECIFIED
COLOUR/ FINISH	
S.G.	

DWN	KD
CHK	RB
APP	MJ
SCALE: NTS	

STOCK CODE	ABWT4000SF
PRODUCT	4000 LTR WASTE TANK

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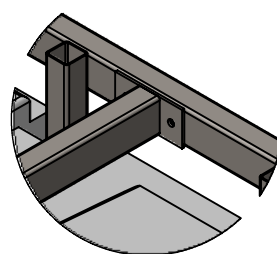
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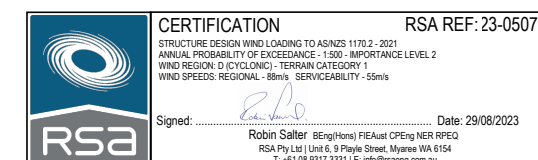
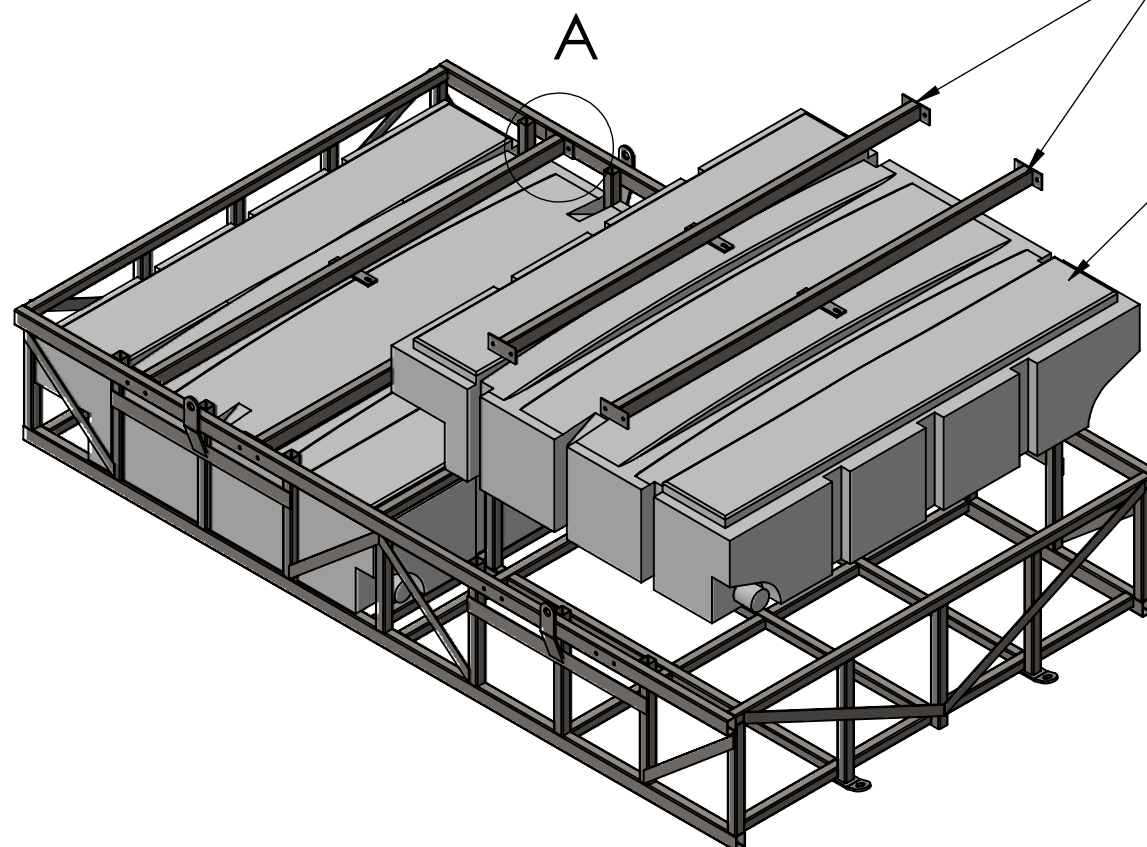


DETAIL A



LOCKING BAR-TO BE BOLTED WITH THE FRAME

TANK TO BE INSERTED AS SHOWN

TANK  
INSTALLATION  
DIRECTION**GENERAL NOTES:**

1. LUGS ARE DESIGNED TO LIFT THE FRAME WITH EMPTY TANKS ONLY.
2. LOCKING BAR TO BE BOLTED USING M12X70 BOLTS.
3. TANK TO BE INSTALLED AS SHOWN.

REV	DESCRIPTION	DWN	CHK	APP	DATE
00	ISSUED FOR CONSTRUCTION	KD	RB	MJ	15.08.23

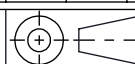


MATERIAL	AS SPECIFIED
COLOUR/ FINISH	
S.G.	

DWN	KD
CHK	RB
APP	MJ
SCALE:	NTS

STOCK CODE ABWT4000SF  
PRODUCT 4000 LTR WASTE TANK

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SHEET 4 OF 5 DWG NO. ABWT4000SF\_GA\_001 REV.

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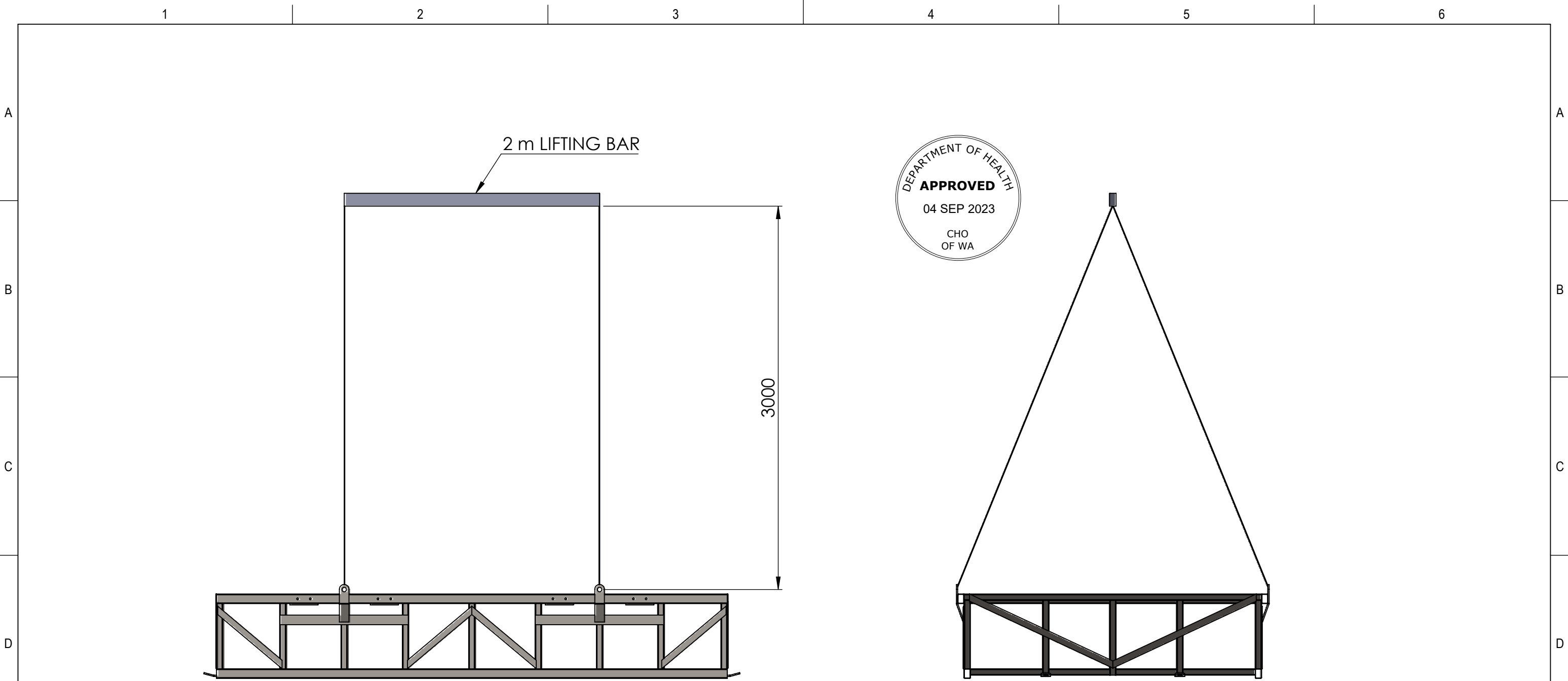
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LIFTING PLAN



CERTIFICATION  
STRUCTURE DESIGN WIND LOADING TO AS/NZS 1170.2 - 2021  
ANNUAL PROBABILITY OF EXCEEDANCE - 1:500 - IMPORTANCE LEVEL 2  
WIND REGION: D (CYCLONIC) - TERRAIN CATEGORY 1  
WIND SPEEDS: REGIONAL - 40m/s - SERVICEABILITY - 55m/s  
Signed:  Date: 29/08/2023  
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RSA REF: 23-0507

- GENERAL NOTES:
- 1.LUGS ARE DESIGNED TO LIFT THE FRAME WITH EMPTY TANKS ONLY.
  - 2.TOTAL EMPTY WEIGHT OF ABWT4000SF = 590kg.
  - 3.LIFTING DESIGN BASIS = 1.5

						  <b>coerco</b> Engineered Project Solutions	MATERIAL	AS SPECIFIED	DWN	KD	STOCK CODE ABWT4000SF PRODUCT 4000 LTR WASTE TANK			
							COLOUR/ FINISH		CHK	RB				
							S.G.		APP	MJ				
									SCALE: NTS					
00	ISSUED FOR CONSTRUCTION					KD	RB	MJ	15.08.23					
REV	DESCRIPTION					DWN	CHK	APP	DATE					
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A  
B  
C  
D  
E  
F

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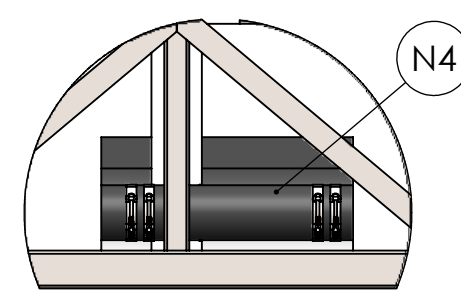
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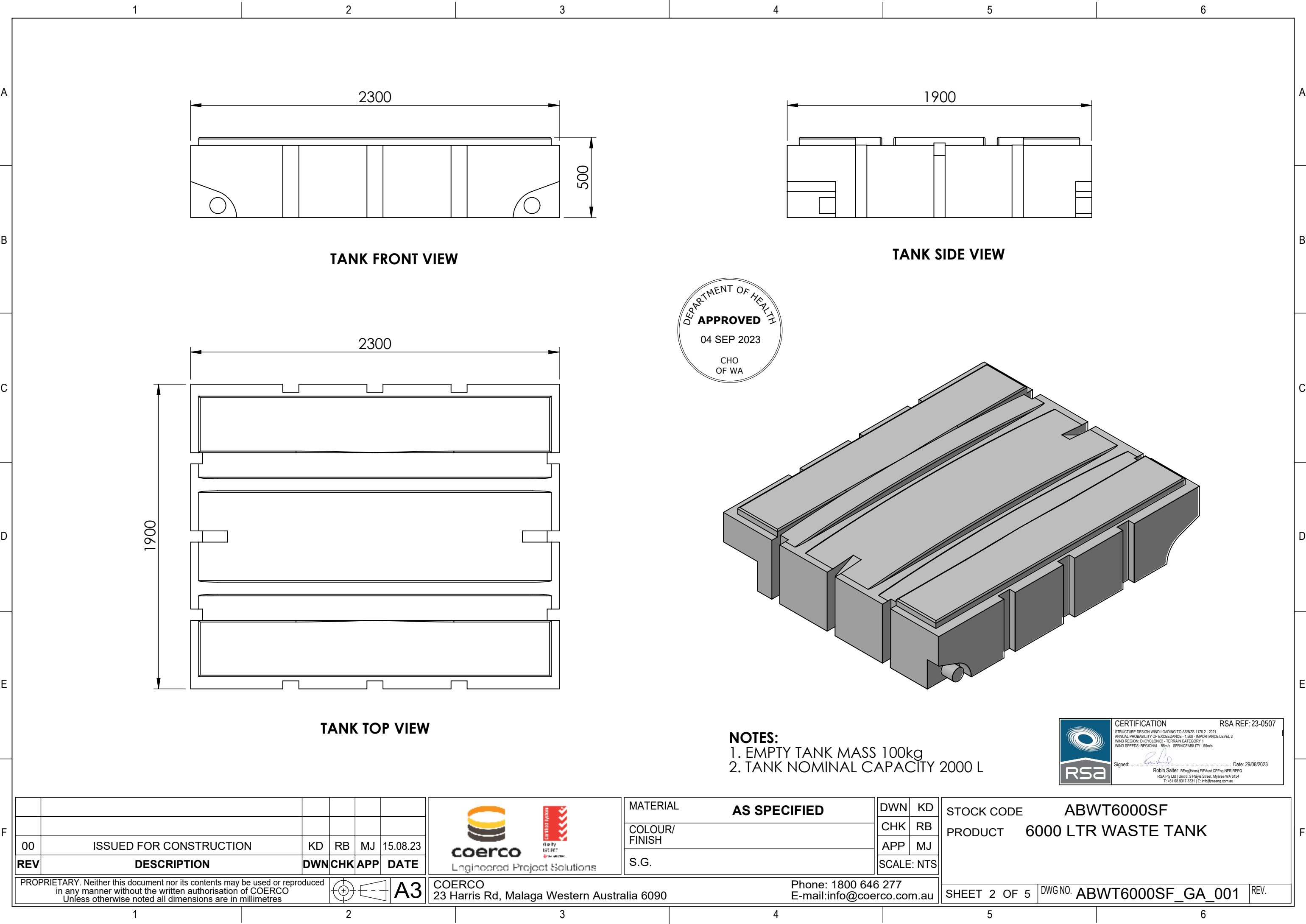
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**DETAIL A**

F





- NOTES:**  
1. EMPTY TANK MASS 100kg  
2. TANK NOMINAL CAPACITY 2000 L



CERTIFICATION

RSA REF: 23-0507

STRUCTURE DESIGN WIND LOADING TO AS/NZS 1170.2 - 2021

ANNUAL PROBABILITY OF EXCEEDANCE - 1:500 - IMPORTANCE LEVEL 2

WIND REGION: D (CYCLONIC) - TERRAIN CATEGORY 1

WIND SPEEDS: REGIONAL - 88m/s SERVICEABILITY - 55m/s

Signed: *Robin Saller* Date: 29/08/2023

Robin Saller BEng(Hon) FIEAust CPEng NER RPED

RSA Pty Ltd | Unit 6, 9 Playle Street, Myaree WA 6154

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REV	DESCRIPTION	DWN	CHK	APP	DATE





ISO 9001:2015

REGISTERED

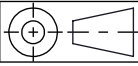
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Engineered Project Solutions

MATERIAL	AS SPECIFIED
COLOUR/ FINISH	
S.G.	

DWN	KD
CHK	RB
APP	MJ
SCALE: NTS	

STOCK CODE	ABWT6000SF		
PRODUCT	6000 LTR WASTE TANK		
SHEET 2 OF 5	DWG NO.	ABWT6000SF_GA_001	REV.

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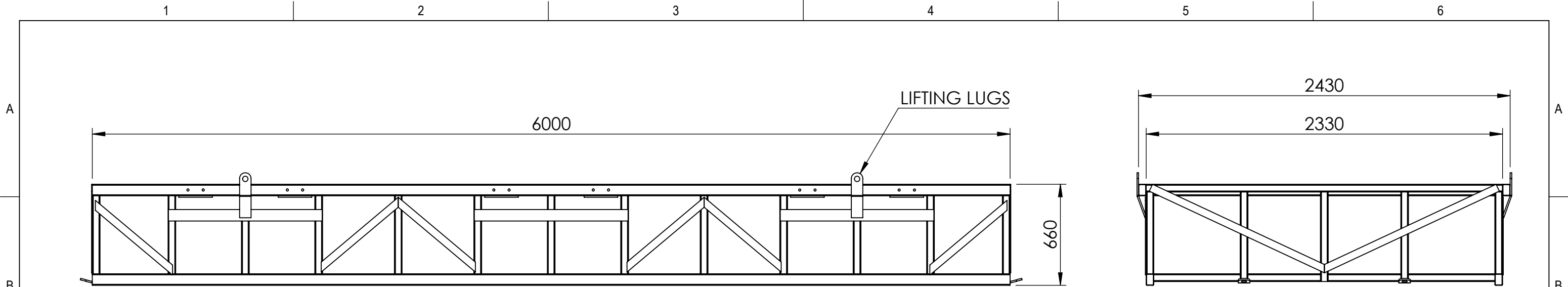


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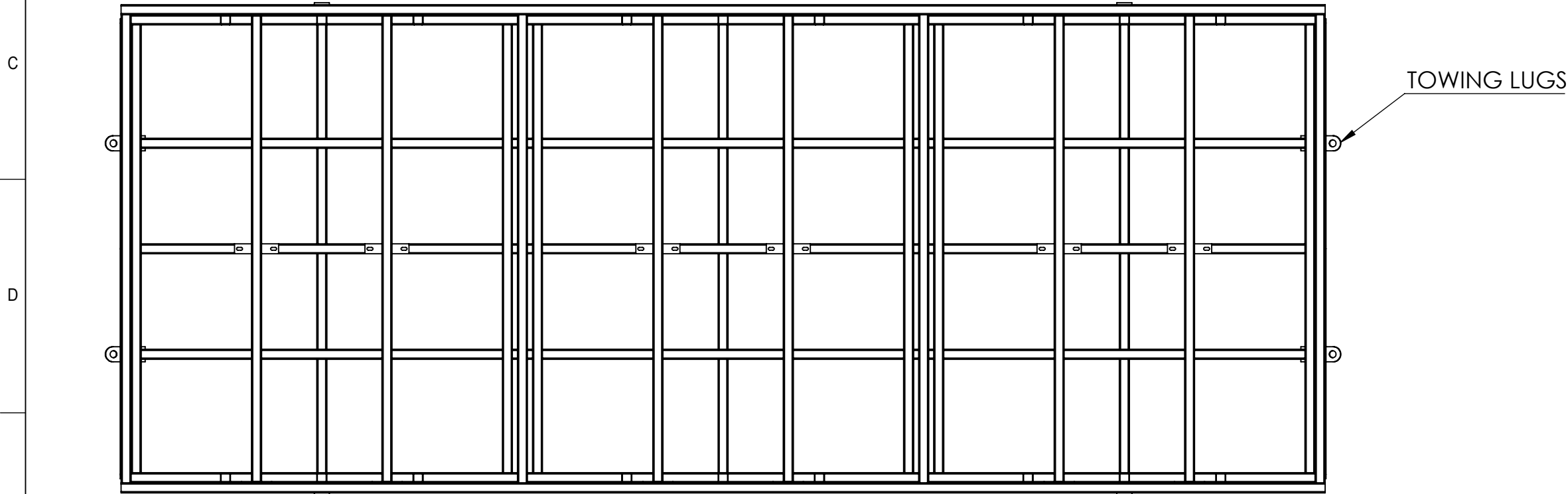
Phone: 1800 646 277  
E-mail: info@coerco.com.au



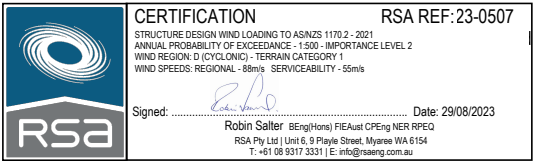


FRAME FRONT VIEW

FRAME SIDE VIEW



FRAME TOP VIEW



- GENERAL NOTES:**
- 1. FRAME MANUFACTURED FROM STEEL HOLLOW SECTIONS AS PER AS 1163
  - 2. WELDING AS PER AS 1554.7
  - 3. LIFTING LUGS WLL RATED CAPACITY IS 500 KG

00	ISSUED FOR CONSTRUCTION	KD	RB	MJ	15.08.23
REV	DESCRIPTION	DWN	CHK	APP	DATE



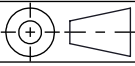
Engineered Project Solutions

MATERIAL	AS SPECIFIED
COLOUR/ FINISH	
S.G.	

DWN	KD
CHK	RB
APP	MJ
SCALE: NTS	

STOCK CODE	ABWT6000SF		
PRODUCT	6000 LTR WASTE TANK		
SHEET 3 OF 5	DWG NO.	ABWT6000SF_GA_001	REV.

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A3

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E-mail: info@coerco.com.au



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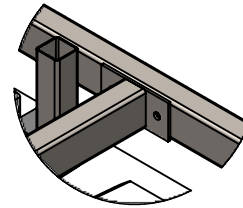
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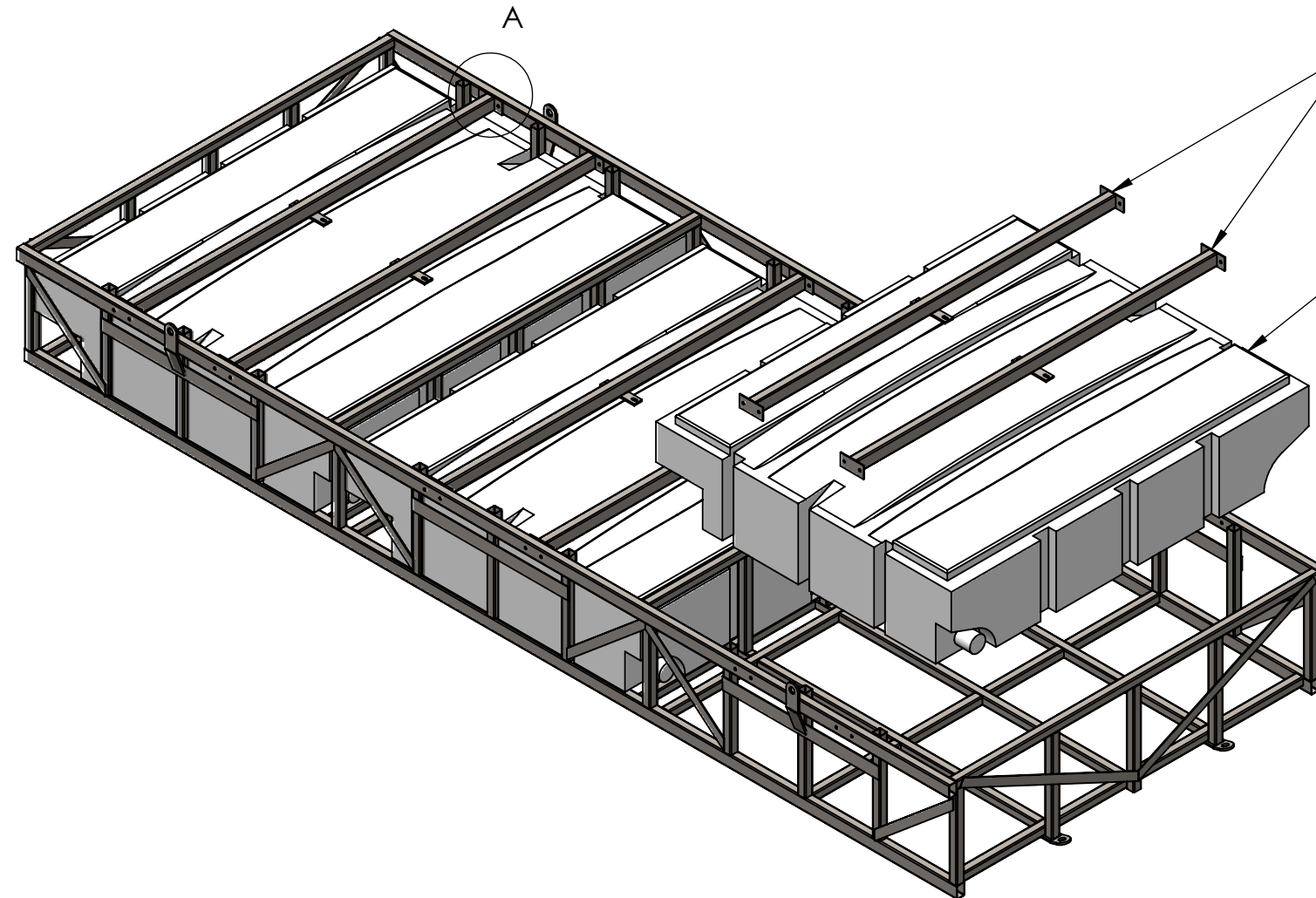
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DETAIL A



LOCKING BAR-TO BE BOLTED WITH THE FRAME

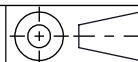
TANK TO BE INSERTED AS SHOWN

TANK  
INSTALLATION  
DIRECTION  
↓**GENERAL NOTES:**

1. LUGS ARE DESIGNED TO LIFT THE FRAME WITH EMPTY TANKS ONLY.
2. LOCKING BAR TO BE BOLTED USING M12X70 BOLTS.
3. TANK TO BE INSTALLED AS SHOWN.

00	ISSUED FOR CONSTRUCTION	KD	RB	MJ	15.08.23
REV	DESCRIPTION	DWN	CHK	APP	DATE

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A3



MATERIAL	AS SPECIFIED
COLOUR/ FINISH	
S.G.	

DWN	KD
CHK	RB
APP	MJ
SCALE:	NTS

STOCK CODE	ABWT6000SF
PRODUCT	6000 LTR WASTE TANK

COERCO  
23 Harris Rd, Malaga Western Australia 6090

Phone: 1800 646 277  
E-mail: info@coerco.com.au

SHEET 4 OF 5 DWG NO. ABWT6000SF\_GA\_001 REV.

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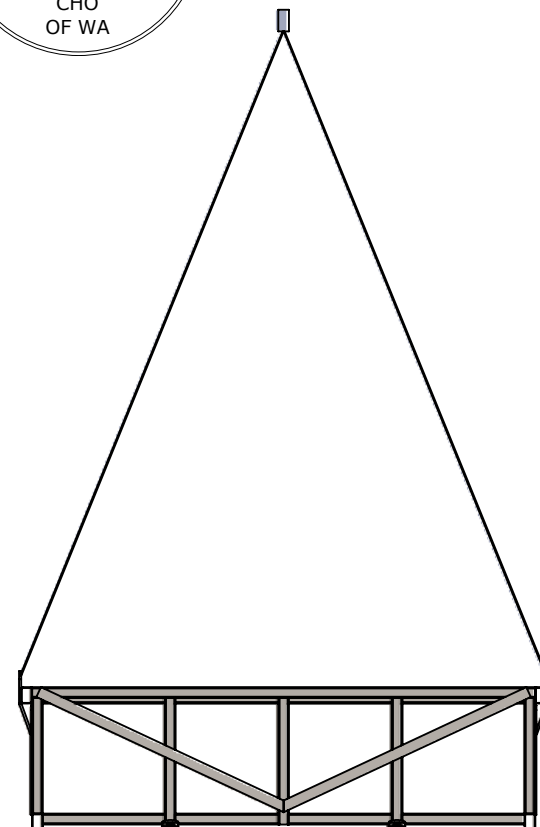
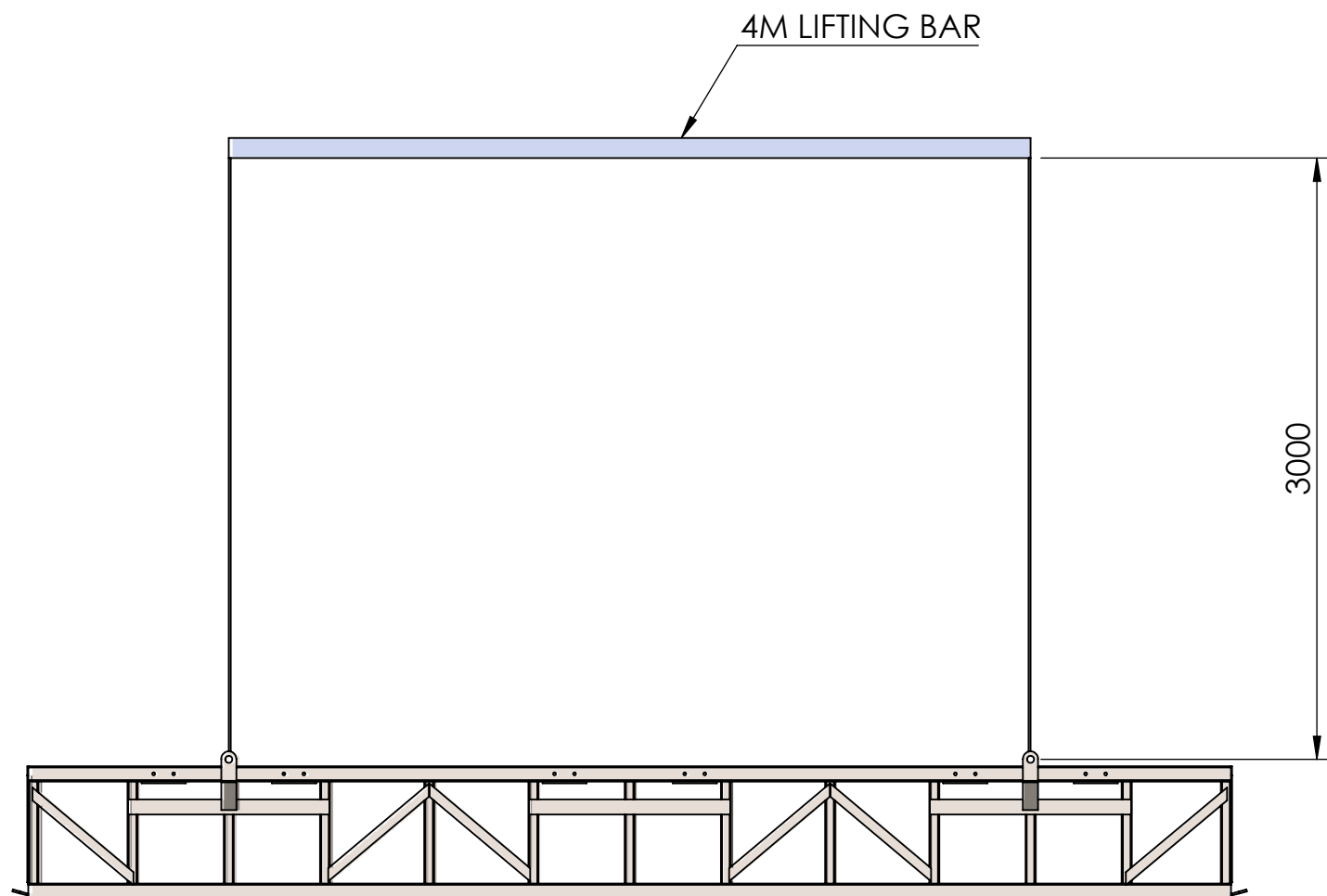
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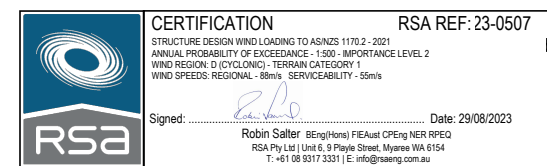
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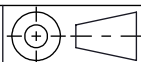
## LIFTING PLAN



- GENERAL NOTES:**
- 1.LUGS ARE DESIGNED TO LIFT THE FRAME WITH EMPTY TANKS ONLY.
  - 2.TOTAL EMPTY WEIGHT OF ABWT6000SF = 860kg.
  - 3.LIFTING DESIGN BASIS = 1.5

00	ISSUED FOR CONSTRUCTION	KD	RB	MJ	15.08.23
REV	DESCRIPTION	DWN	CHK	APP	DATE

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A3



MATERIAL	AS SPECIFIED
COLOUR/ FINISH	
S.G.	

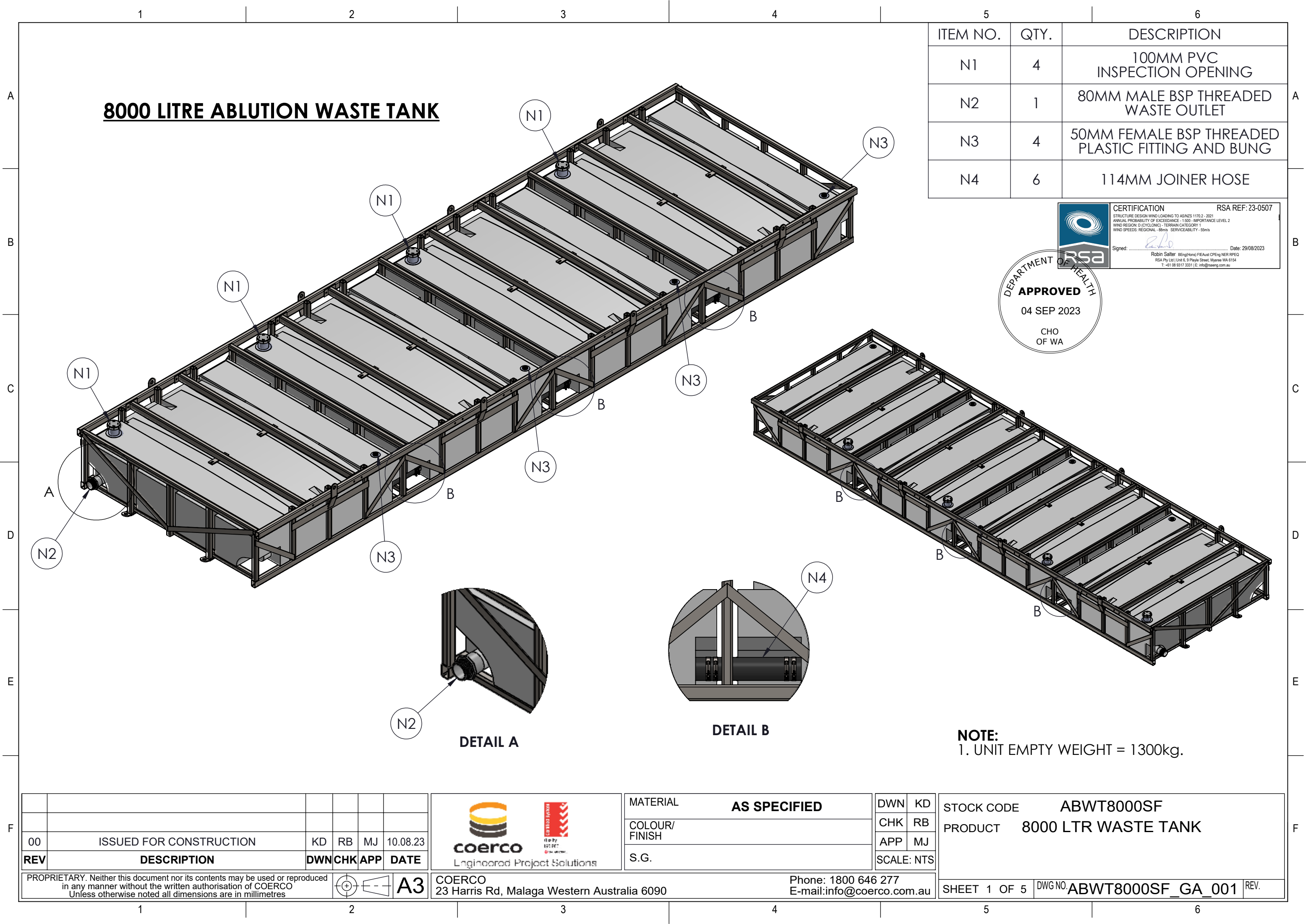
DWN	KD
CHK	RB
APP	MJ
SCALE: NTS	

STOCK CODE ABWT6000SF  
PRODUCT 6000 LTR WASTE TANK

SHEET 5 OF 5 DWG NO. ABWT6000SF\_GA\_001 REV.


123456






8000 LITRE ABLUTION WASTE TANK

ITEM NO.	QTY.	DESCRIPTION
N1	4	100MM PVC INSPECTION OPENING
N2	1	80MM MALE BSP THREADED WASTE OUTLET
N3	4	50MM FEMALE BSP THREADED PLASTIC FITTING AND BUNG
N4	6	114MM JOINER HOSE



CERTIFICATION  
STRUCTURE DESIGN WIND LOADING TO AS/NZS 1170.2 - 2021  
ANNUAL PROBABILITY OF EXCEEDANCE - 1:500 - IMPORTANCE LEVEL 2  
WIND REGION: D (CYCLONIC) - TERRAIN CATEGORY 1  
WIND SPEEDS: REGIONAL - 88m/s SERVICEABILITY - 55m/s  
Signed:  Date: 29/08/2023  
Robin Salter (BEng(Hons)) FEAust CPEng NER RPEQ  
RSA Pty Ltd | Unit 6, 9 Playle Street, Myanma WA 6154  
T: +61 8 9317 3331 | E: info@rsawest.com.au

RSA REF: 23-0507

DEPARTMENT OF HEALTH  
**APPROVED**  
04 SEP 2023  
CHO OF WA

NOTE:  
1. UNIT EMPTY WEIGHT = 1300kg.

00	ISSUED FOR CONSTRUCTION	KD	RB	MJ	10.08.23
REV	DESCRIPTION	DWN	CHK	APP	DATE

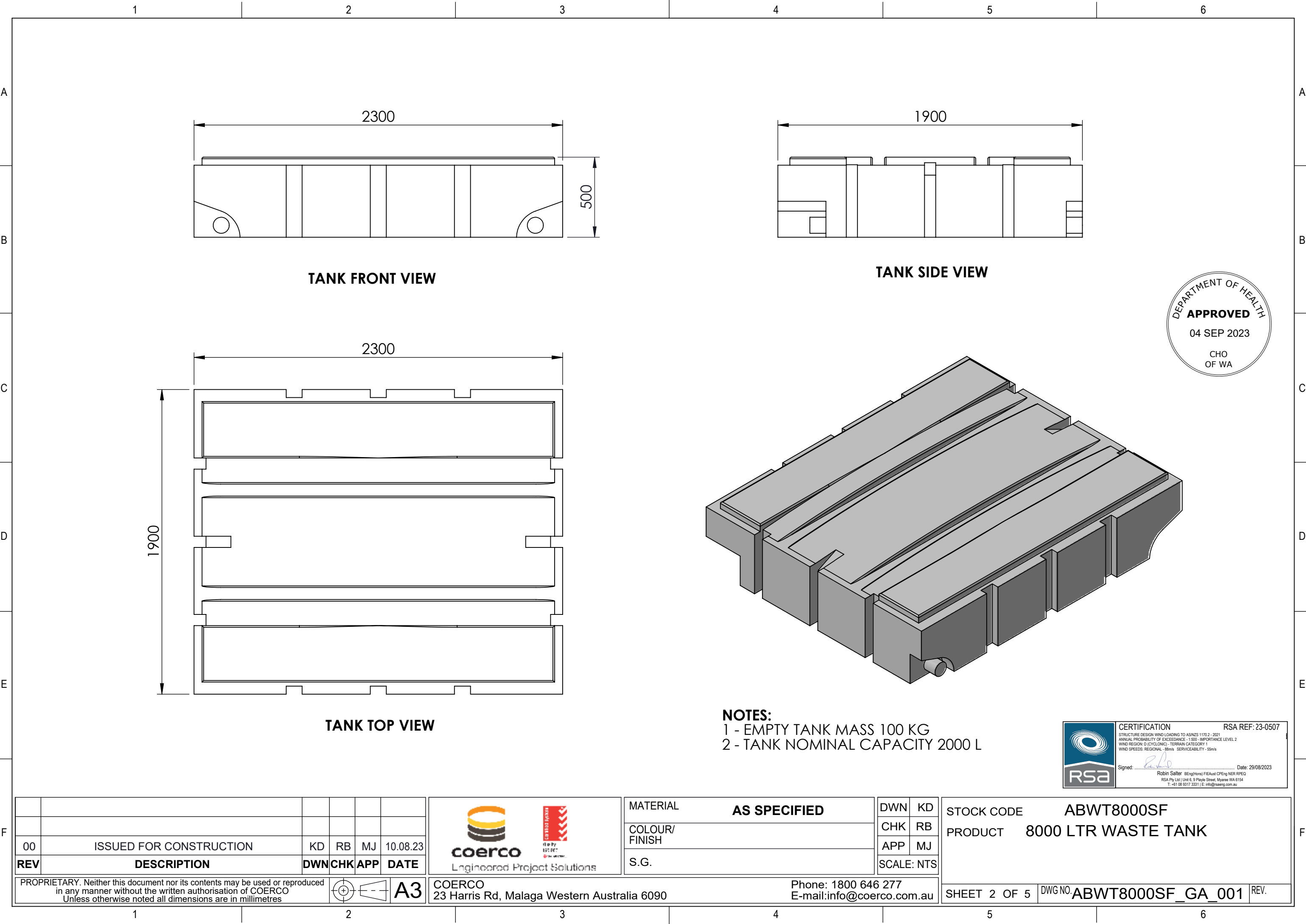


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Engineered Project Solutions


MATERIAL	AS SPECIFIED	DWN	KD
COLOUR/ FINISH		CHK	RB
S.G.		APP	MJ
		SCALE:	NTS


STOCK CODE	ABWT8000SF
PRODUCT	8000 LTR WASTE TANK
SHEET 1 OF 5	DWG NO. ABWT8000SF_GA_001
REV.	





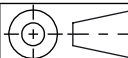


NOTES:  
1 - EMPTY TANK MASS 100 KG  
2 - TANK NOMINAL CAPACITY 2000 L



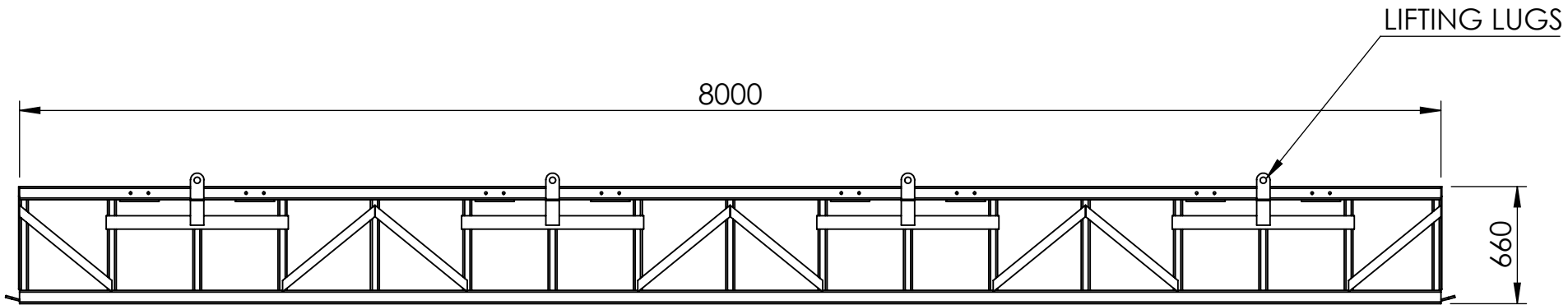
CERTIFICATION  
STRUCTURE DESIGN WIND LOADING TO AS/NZS 1170.2 - 2021  
ANNUAL PROBABILITY OF EXCEEDANCE - 1:500 - IMPORTANCE LEVEL 2  
WIND REGION: D (CYCLONIC) - TERRAIN CATEGORY 1  
WIND SPEEDS: REGIONAL - 85m/s SERVICEABILITY - 55m/s  
Signed:  Date: 29/08/2023  
Robin Salter - Engineer/Engineer in Training NER RPEQ  
RSA Pty Ltd | Unit 6, 9 Playle Street, Myanara WA 6154  
T: +61 8 9317 3331 | E: info@rsaeng.com.au

RSA REF: 23-0507

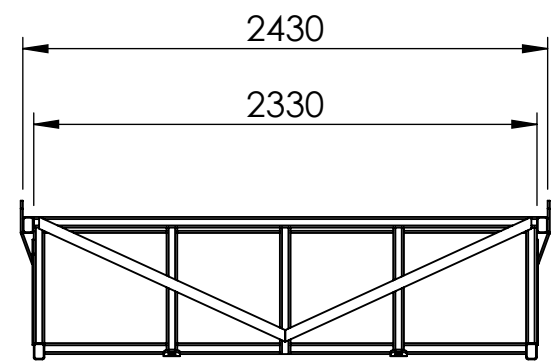
						 	MATERIAL <b>AS SPECIFIED</b>	DWN CHK APP SCALE: NTS	KD RB MJ	STOCK CODE <b>ABWT8000SF</b>
00	ISSUED FOR CONSTRUCTION	KD	RB	MJ	10.08.23		COLOUR/ FINISH			PRODUCT <b>8000 LTR WASTE TANK</b>
REV	DESCRIPTION	DWN	CHK	APP	DATE		S.G.			
PROPRIETARY. Neither this document nor its contents may be used or reproduced in any manner without the written authorisation of COERCO Unless otherwise noted all dimensions are in millimetres						 <b>A3</b>	COERCO 23 Harris Rd, Malaga Western Australia 6090	Phone: 1800 646 277 E-mail: info@coerco.com.au		SHEET 2 OF 5
										DWG NO. <b>ABWT8000SF_GA_001</b> REV.



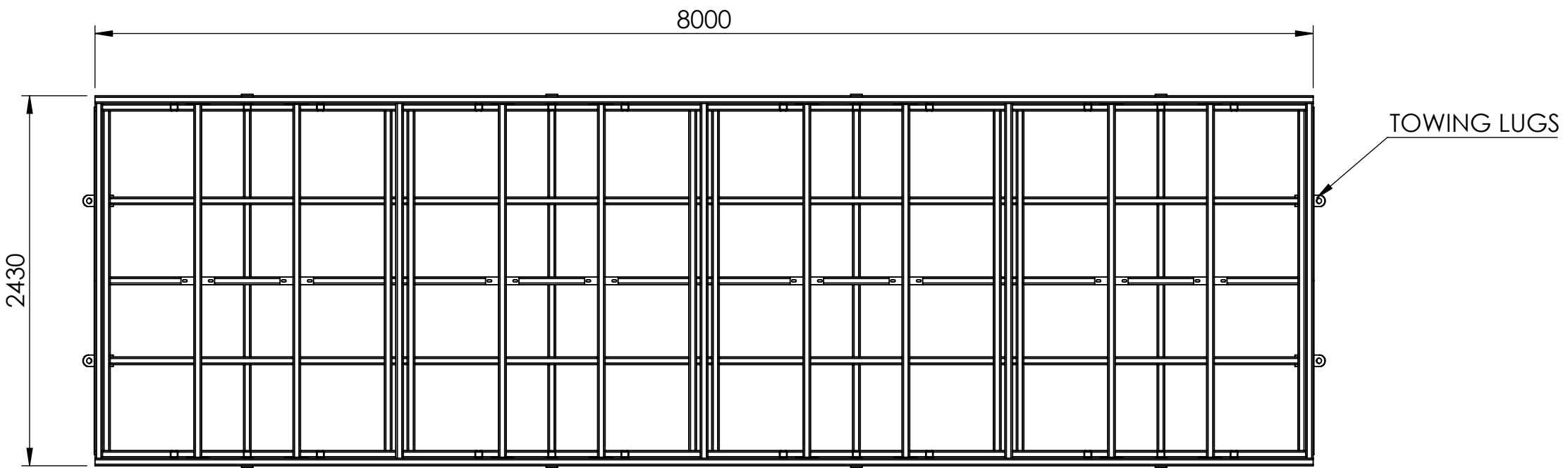
123456



FRAME FRONT VIEW




FRAME SIDE VIEW



FRAME TOP VIEW





**CERTIFICATION**

STRUCTURE DESIGN WIND LOADING TO AS/NZS 1170.2 - 2021

ANNUAL PROBABILITY OF EXCEEDANCE - 1:500 - IMPORTANCE LEVEL 2

WIND REGION: D (CYCLONIC) - TERRAIN CATEGORY 1

WIND SPEEDS: REGIONAL - 88m/s SERVICEABILITY - 55m/s

Signed: *[Signature]* Date: 29/08/2023

Robin Saller BEng(Hons) FIE Aust CPEng NER RPEQ

RSA Pty Ltd | Unit 6, 9 Playle Street, Myanara WA 6154

T: +61 8 9317 3331 | E: info@rsaeng.com.au

RSA REF: 23-0507

- GENERAL NOTES:**
- 1. FRAME MANUFACTURED FROM STEEL HOLLOW SECTIONS AS PER AS 1163
  - 2. WELDING AS PER AS 1554.7
  - 3. LIFTING LUGS WLL RATED CAPACITY IS 500 KG

00	ISSUED FOR CONSTRUCTION	KD	RB	MJ	10.08.23
REV	DESCRIPTION	DWN	CHK	APP	DATE



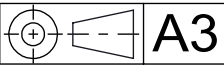
Engineered Project Solutions

MATERIAL	AS SPECIFIED
COLOUR/ FINISH	
S.G.	

DWN	KD
CHK	RB
APP	MJ
SCALE: NTS	

STOCK CODE	ABWT8000SF
PRODUCT	8000 LTR WASTE TANK
SHEET 3 OF 5	DWG NO. ABWT8000SF_GA_001
REV.	

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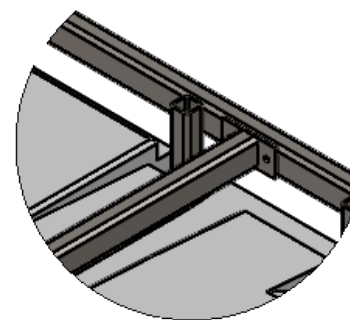
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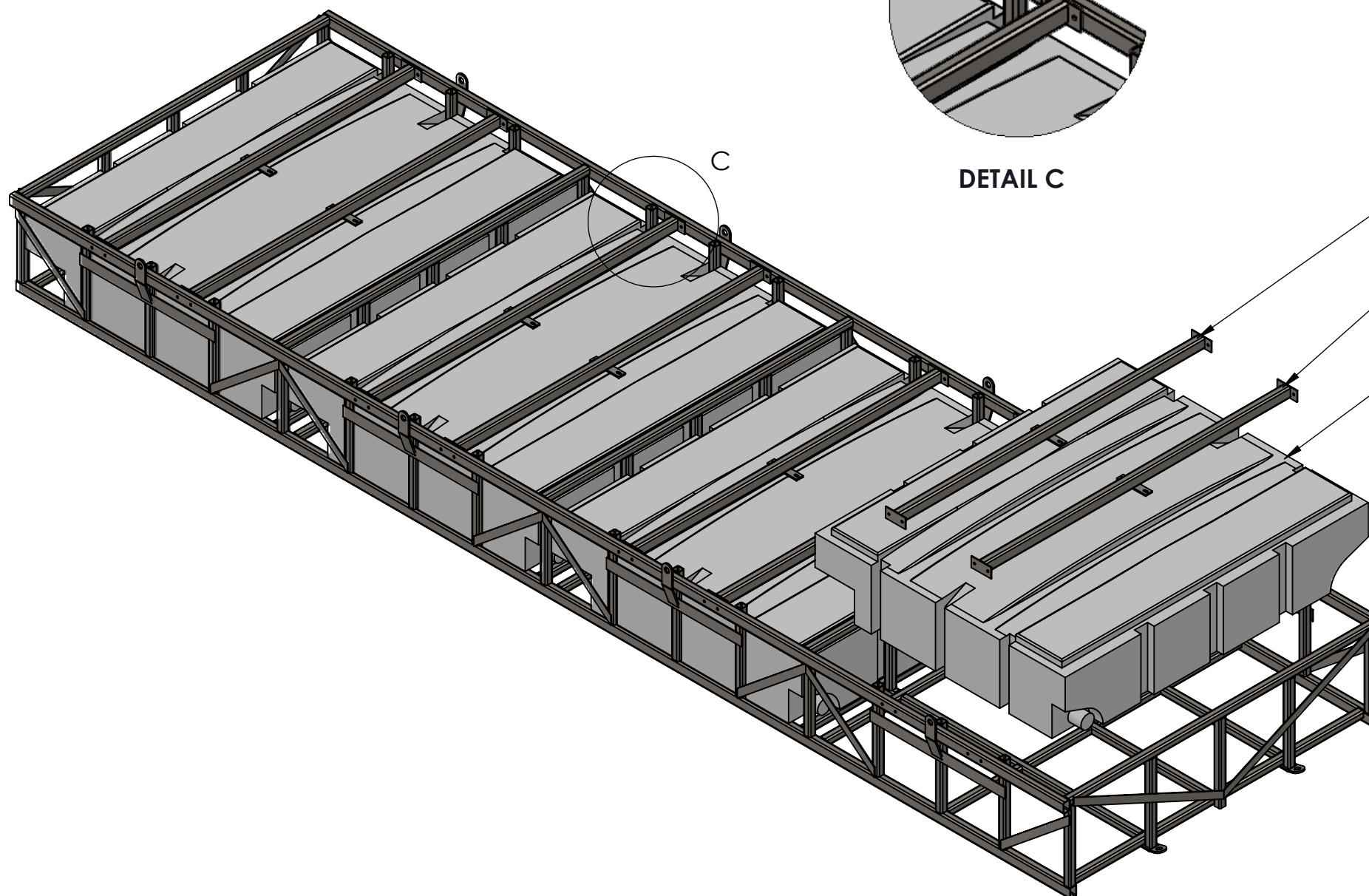
DETAIL C



LOCKING BAR-TO BE BOLTED WITH THE FRAME

LOCKING BAR-TO BE BOLTED WITH THE FRAME

TANK TO BE INSERTED AS SHOWN

TANK  
INSTALLATION  
DIRECTION  
↓

**CERTIFICATION** RSA REF: 23-0507  
STRUCTURE DESIGN WIND LOADING TO AS/NZS 1170.2 - 2021  
ANNUAL PROBABILITY OF EXCEEDANCE - 1:500 - IMPORTANCE LEVEL 2  
WIND REGION: D (CYCLONIC) - TERRAIN CATEGORY 1  
WIND SPEEDS: REFERENCE - 55m/s  
SIGNED: *[Signature]* DATE: 29/08/2023  
Robinson Saiter (Beng/Hong) P/Eng CP/Eng NEB R/PEQ  
RSA Pty Ltd (Unit 6, 8 Playle Street, Myerong VIC 3154)  
T: +61 08 9317 3331 | E: info@rsaeng.com.au

**GENERAL NOTES:**

- 1 - LUGS ARE DESIGNED TO LIFT THE FRAME WITH EMPTY TANKS ONLY
- 2 - LOCKING BAR TO BE BOLTED USING M12X70 BOLTS
- 3 - TANKS TO BE INSTALLED AS SHOWN

REV	DESCRIPTION	DWN	CHK	APP	DATE
00	ISSUED FOR CONSTRUCTION	KD	RB	MJ	10.08.23

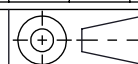


MATERIAL	AS SPECIFIED
COLOUR/ FINISH	
S.G.	

DWN	KD
CHK	RB
APP	MJ
SCALE:	NTS

STOCK CODE ABWT8000SF  
PRODUCT 8000 LTR WASTE TANK

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Phone: 1800 646 277  
E-mail: info@coerco.com.au

SHEET 4 OF 5 DWG NO. ABWT8000SF\_GA\_001 REV.

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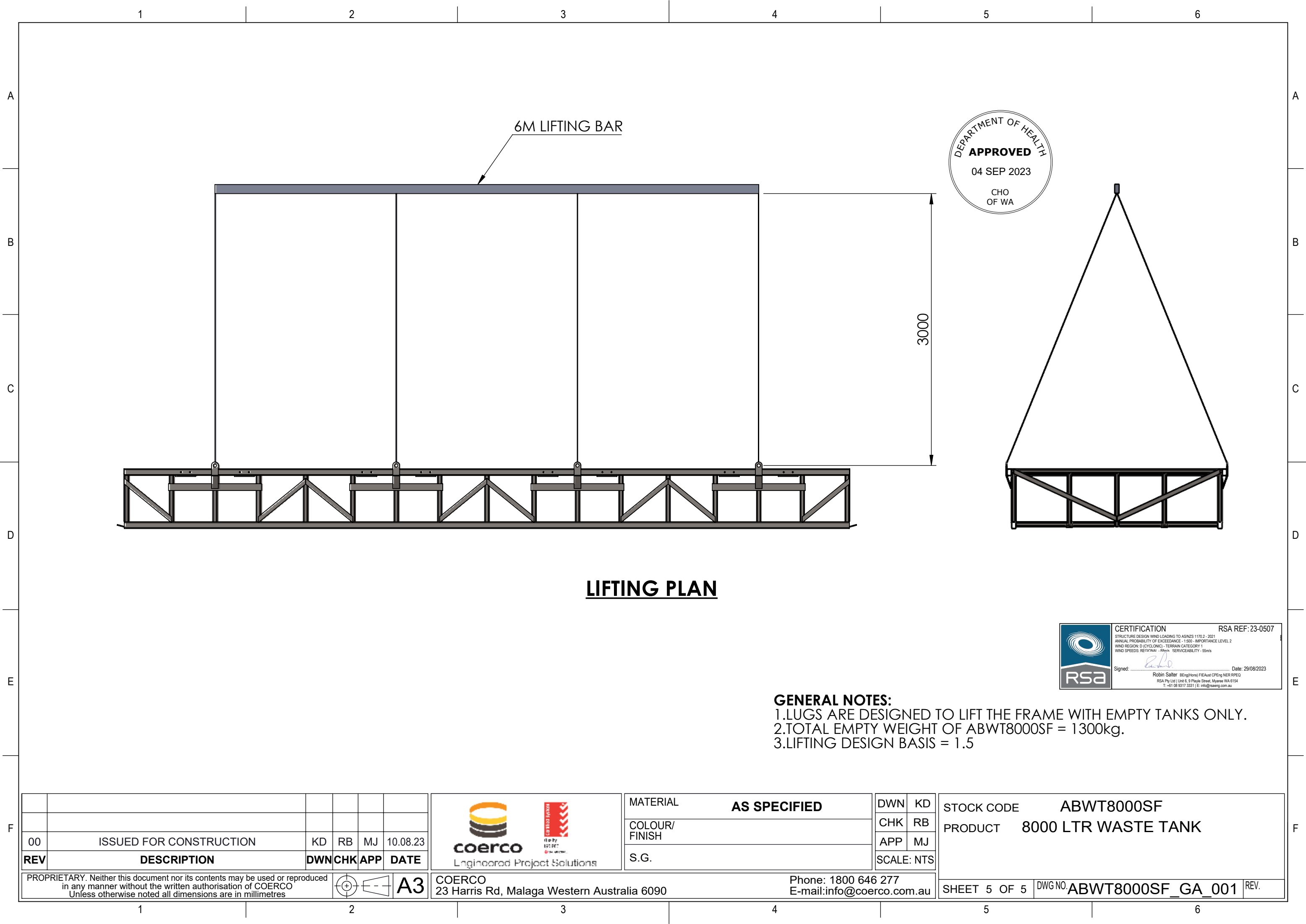
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6M LIFTING BAR



3000


**LIFTING PLAN**

- GENERAL NOTES:**
- 1.LUGS ARE DESIGNED TO LIFT THE FRAME WITH EMPTY TANKS ONLY.
  - 2.TOTAL EMPTY WEIGHT OF ABWT8000SF = 1300kg.
  - 3.LIFTING DESIGN BASIS = 1.5



**CERTIFICATION** RSA REF: 23-0507

STRUCTURE DESIGN WIND LOADING TO AS/NZS 1170.2 - 2021  
ANNUAL PROBABILITY OF EXCEEDANCE - 1:500 - IMPORTANCE LEVEL 2  
WIND REGION: D (CYCLONIC) - TERRAIN CATEGORY 1  
WIND SPEEDS: RECHINAJ - 10m/s - SERVICEABILITY - 55m/s

Signed:  Date: 29/08/2023

Robin Saller - BEng(Hons) FEAust CPEng NER RPE2  
RSA Pty Ltd | Unit 6, 9 Playle Street, Myaree WA 6154  
T: +61 08 9317 3331 | E: info@rsaeng.com.au

00	ISSUED FOR CONSTRUCTION	KD	RB	MJ	10.08.23
REV	DESCRIPTION	DWN	CHK	APP	DATE

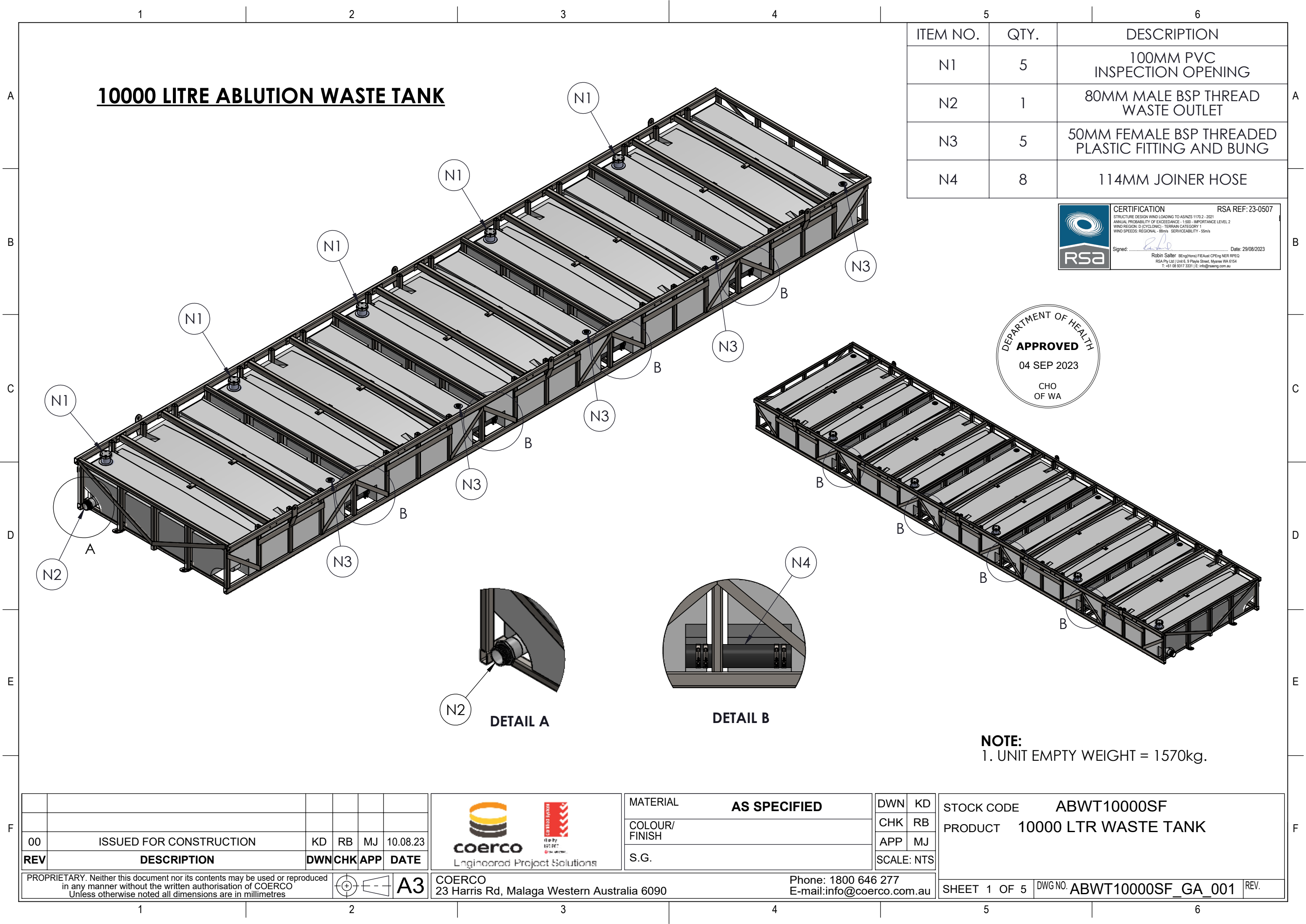


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Engineered Project Solutions

MATERIAL	AS SPECIFIED	DWN	KD
COLOUR/ FINISH		CHK	RB
S.G.		APP	MJ
		SCALE:	NTS

STOCK CODE	ABWT8000SF
PRODUCT	8000 LTR WASTE TANK
SHEET 5 OF 5	DWG NO. ABWT8000SF_GA_001
	REV.





# 10000 LITRE ABLUTION WASTE TANK

ITEM NO.	QTY.	DESCRIPTION
N1	5	100MM PVC INSPECTION OPENING
N2	1	80MM MALE BSP THREAD WASTE OUTLET
N3	5	50MM FEMALE BSP THREADED PLASTIC FITTING AND BUNG
N4	8	114MM JOINER HOSE

	<b>CERTIFICATION</b>	<b>RSA REF: 23-0507</b>
	STRUCTURE DESIGN WIND LOADING TO AS/NZS 1170.2 - 2021	
	ANNUAL PROBABILITY OF EXCEEDANCE - 1:500 - IMPORTANCE LEVEL 2	
	WIND REGION: D (CYCLONIC) - TERRAIN CATEGORY 1	
WIND SPEEDS: REGIONAL - 89m/s SERVICEABILITY - 55m/s		
Signed:		Date: 29/08/2023
Robin Saller - BE(Hon) FEAust CPEng NER RPED		
RSA Pty Ltd   Unit 6, 9 Playle Street, Myerwa WA 6154		
T: +61 8 9317 3331   E: info@rsaeng.com.au		



**NOTE:**  
1. UNIT EMPTY WEIGHT = 1570kg.

00	ISSUED FOR CONSTRUCTION	KD	RB	MJ	10.08.23
REV	DESCRIPTION	DWN	CHK	APP	DATE



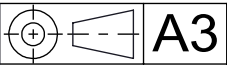
**coerco**  
Engineered Project Solutions

MATERIAL	AS SPECIFIED
COLOUR/ FINISH	
S.G.	

DWN	KD
CHK	RB
APP	MJ
SCALE: NTS	

STOCK CODE	ABWT10000SF
PRODUCT	10000 LTR WASTE TANK

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SHEET 1 OF 5	DWG NO. ABWT10000SF_GA_001	REV.
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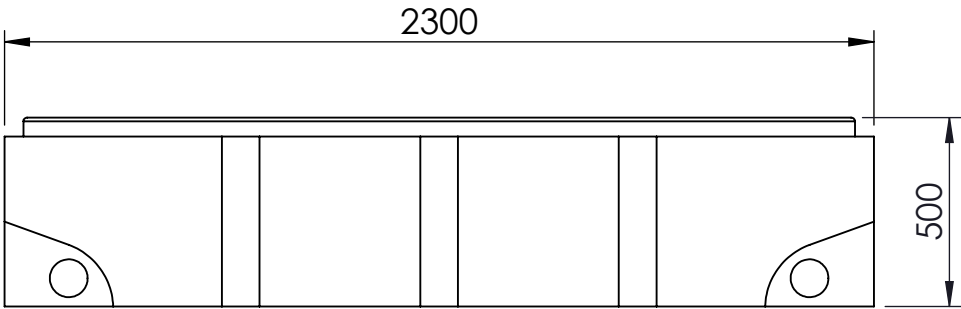
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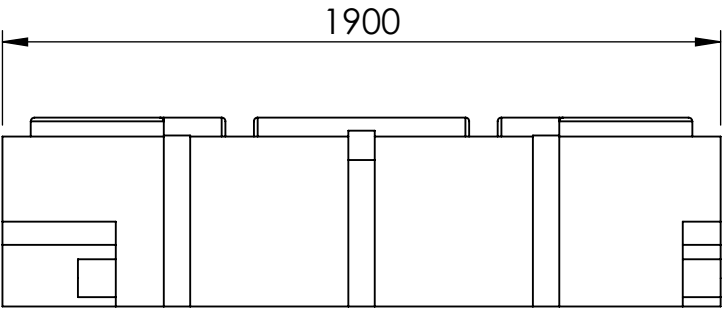
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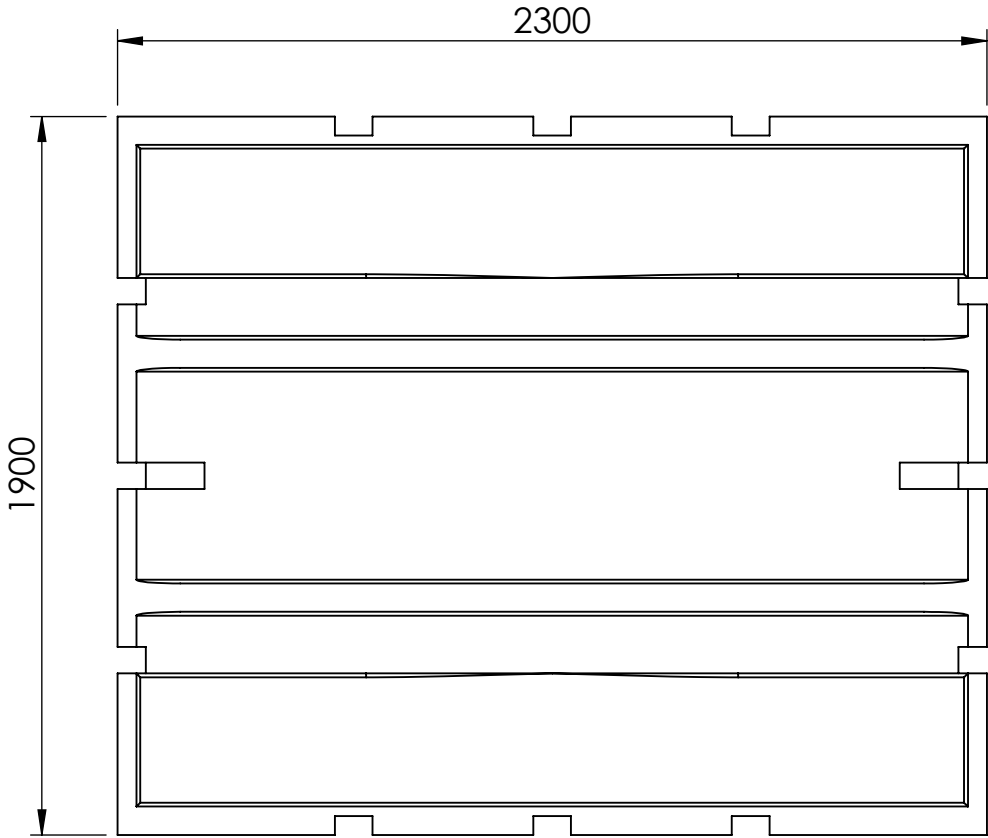
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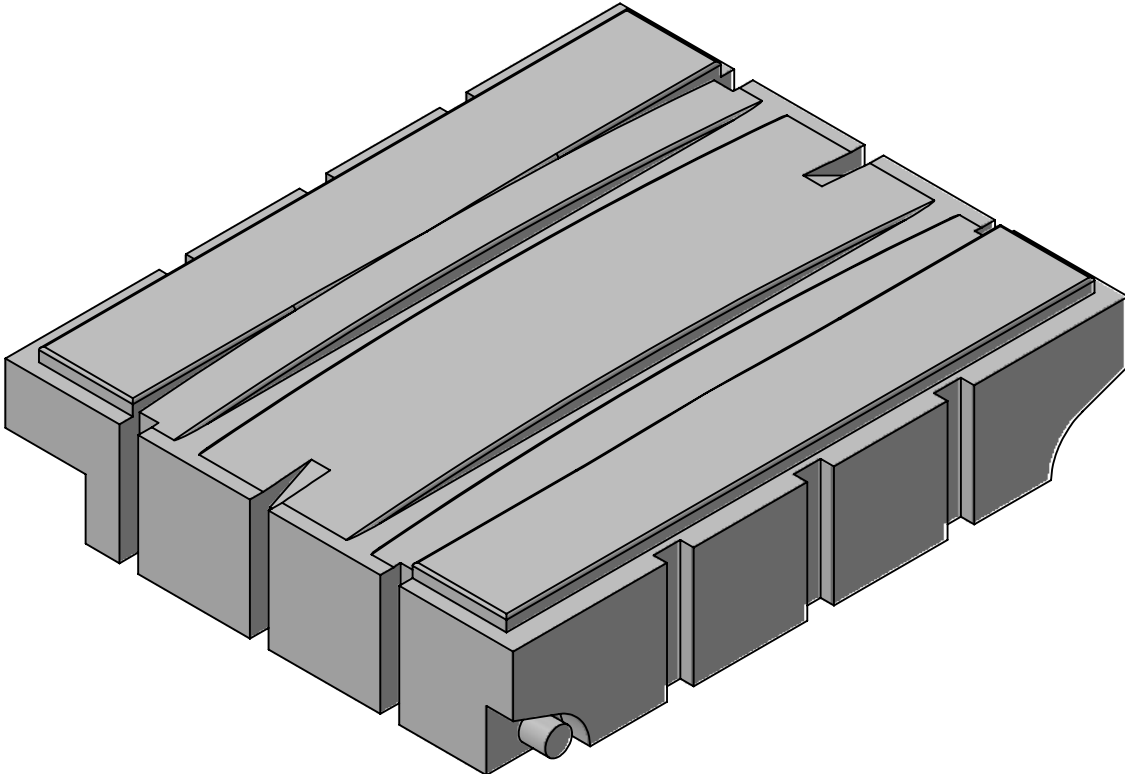
TANK FRONT VIEW




TANK SIDE VIEW




TANK TOP VIEW



NOTES:  
1. EMPTY TANK MASS 100 KG  
2. TANK NOMINAL CAPACITY 2000 L



CERTIFICATION  
STRUCTURE DESIGN WIND LOADING TO AS/NZS 1170.2 - 2021  
ANNUAL PROBABILITY OF EXCEEDANCE - 1:500 - IMPORTANCE LEVEL 2  
WIND REGION: D (CYCLONIC) - TERRAIN CATEGORY 1  
WIND SPEEDS: REGIONAL - 30m/s SERVICEABILITY - 35m/s  
Signed:  Date: 29/08/2023  
Robin Saller BEng(Hons) FEAust CPEng NER RPEQ  
RSA Pty Ltd | Unit 6, 3 Playle Street, Myanora WA 6154  
T: +61 88 9317 3331 | E: info@rsaeng.com.au

RSA REF: 23-0507

00	ISSUED FOR CONSTRUCTION	KD	RB	MJ	10.08.23
REV	DESCRIPTION	DWN	CHK	APP	DATE



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Engineered Project Solutions

MATERIAL	AS SPECIFIED
COLOUR/ FINISH	
S.G.	

DWN	KD
CHK	RB
APP	MJ
SCALE:	NTS

STOCK CODE  
PRODUCT

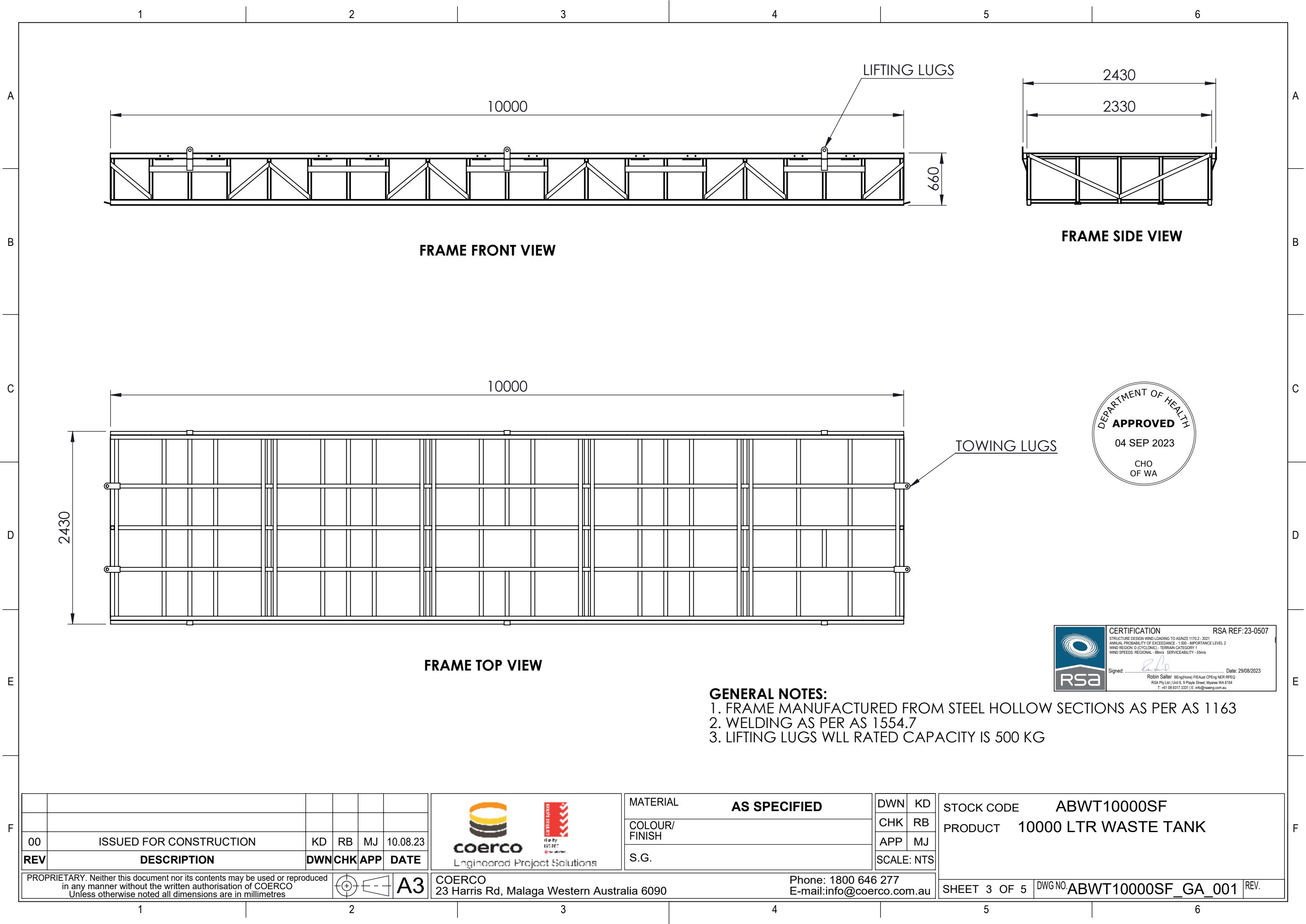
ABWT10000SF  
10000 LTR WASTE TANK


SHEET 2 OF 5

DWG NO. ABWT10000SF\_GA\_001

REV.







CERTIFICATION

STRUCTURE DESIGN WIND LOADING TO AS/NZS 1170.2 - 2021

ANNUAL PROBABILITY OF EXCEEDANCE - 1:500 - IMPORTANCE LEVEL 2

WIND REGION D (CYCLONIC) - TERRAIN CATEGORY 1

WIND SPEEDS REGIONAL - 80m/s SERVICEABILITY - 65m/s

Signed: *[Signature]* Date: 29/08/2023



Robin Saller BE(Eng/Hons) FEAust CPEng NER RPEQ

RSA Pty Ltd | Unit 6, 9 Playde Street, Myerwa WA 6154

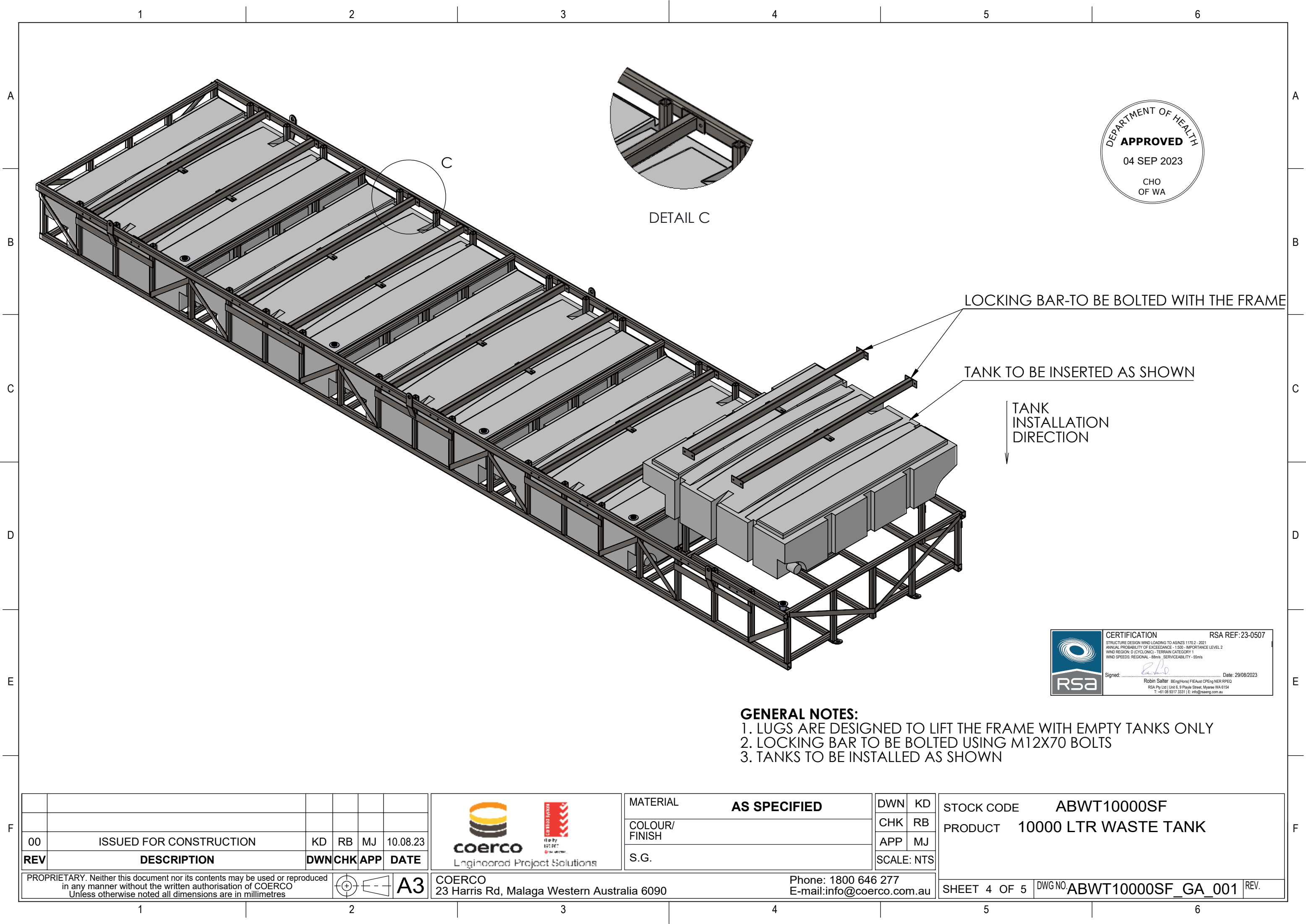
T: +61 88 9317 3331 | E: info@rsaeng.com.au

RSA REF: 23-0507

- GENERAL NOTES:**
- 1. FRAME MANUFACTURED FROM STEEL HOLLOW SECTIONS AS PER AS 1163
  - 2. WELDING AS PER AS 1554.7
  - 3. LIFTING LUGS WLL RATED CAPACITY IS 500 KG

						 <b>coerco</b> Engineered Project Solutions	MATERIAL	AS SPECIFIED	DWN	KD	STOCK CODE ABWT10000SF					
							COLOUR/ FINISH		CHK	RB		PRODUCT 10000 LTR WASTE TANK				
00	ISSUED FOR CONSTRUCTION						KD	RB	MJ	10.08.23			APP	MJ		
REV	DESCRIPTION						DWN	CHK	APP	DATE			SCALE: NTS			
PROPRIETARY. Neither this document nor its contents may be used or reproduced in any manner without the written authorisation of COERCO Unless otherwise noted all dimensions are in millimetres							A3		COERCO 23 Harris Rd, Malaga Western Australia 6090			Phone: 1800 646 277 E-mail: info@coerco.com.au		SHEET 3 OF 5	DWG NO. ABWT10000SF_GA_001	REV.






LOCKING BAR-TO BE BOLTED WITH THE FRAME

TANK TO BE INSERTED AS SHOWN

TANK  
INSTALLATION  
DIRECTION

- GENERAL NOTES:**
- 1. LUGS ARE DESIGNED TO LIFT THE FRAME WITH EMPTY TANKS ONLY
  - 2. LOCKING BAR TO BE BOLTED USING M12X70 BOLTS
  - 3. TANKS TO BE INSTALLED AS SHOWN




CERTIFICATION

STRUCTURE DESIGN WIND LOADING TO AS/NZS 1170.2 - 2021

ANNUAL PROBABILITY OF EXCEEDANCE - 1:500 - IMPORTANCE LEVEL 2

WIND REGION: D (CYCLONIC) - TERRAIN CATEGORY 1

WIND SPEEDS: REGIONAL - 88m/s SERVICEABILITY - 55m/s

Signed:  Date: 29/08/2023

Robin Saller (BEng(Hons) FIE Aust CP Eng NER RPEQ)

RSA Pty Ltd | Unit 6, 9 Playle Street, Myaree WA 6154

T: +61 08 9317 3331 | E: info@rsawing.com.au

RSA REF:23-0507

00	ISSUED FOR CONSTRUCTION	KD	RB	MJ	10.08.23
REV	DESCRIPTION	DWN	CHK	APP	DATE





ISO 9001:2015

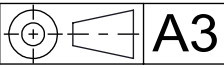
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Engineered Project Solutions

MATERIAL	AS SPECIFIED	DWN	KD
COLOUR/ FINISH		CHK	RB
S.G.		APP	MJ
		SCALE:	NTS

STOCK CODE	ABWT10000SF
PRODUCT	10000 LTR WASTE TANK
SHEET 4 OF 5	DWG NO. ABWT10000SF_GA_001
REV.	

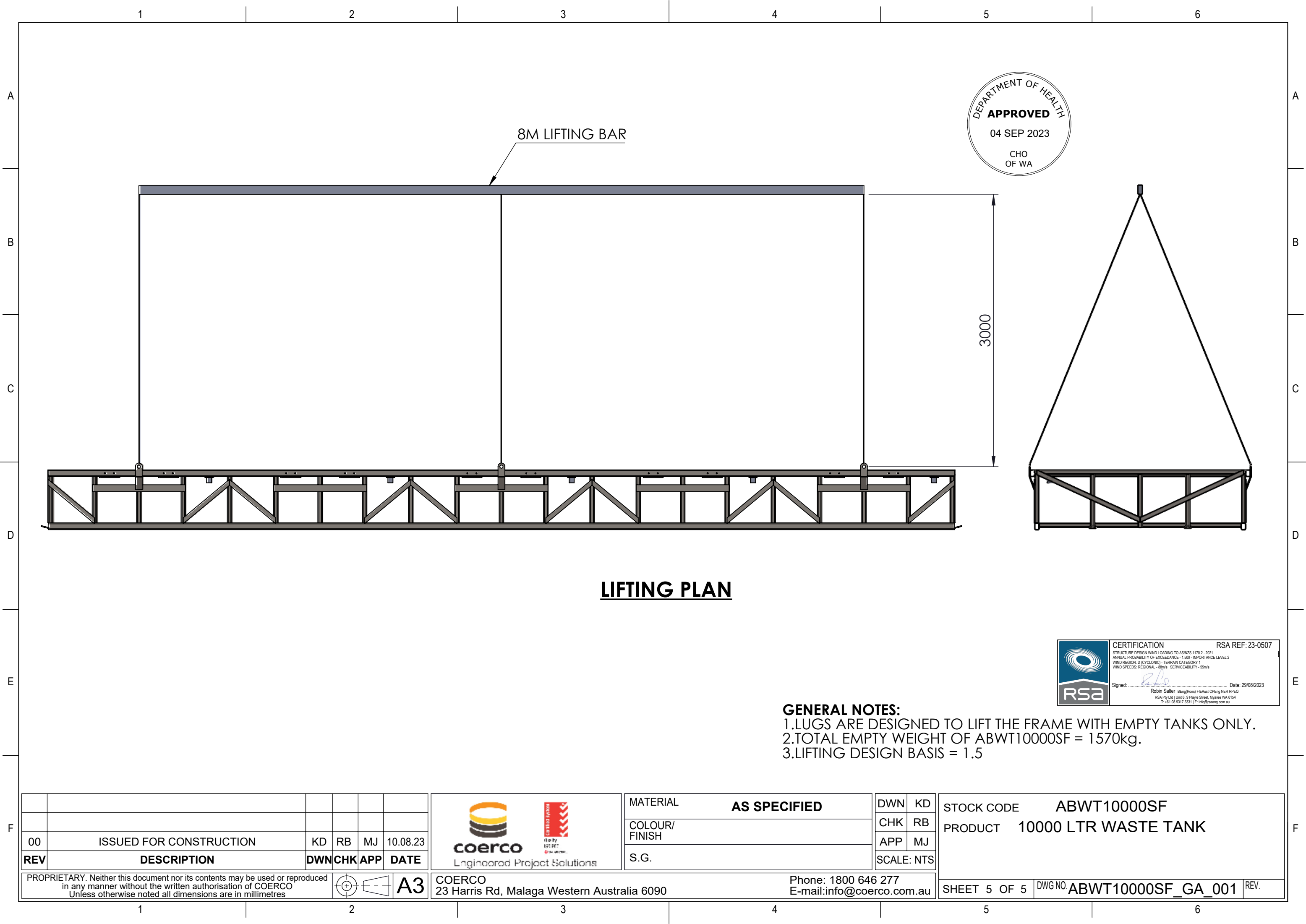
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23 Harris Rd, Malaga Western Australia 6090

Phone: 1800 646 277  
E-mail: info@coerco.com.au





LIFTING PLAN




**CERTIFICATION** RSA REF: 23-0507

STRUCTURE DESIGN WIND LOADING TO AS/NZS 1170.2 - 2021

ANNUAL PROBABILITY OF EXCEEDANCE - 1:500 - IMPORTANCE LEVEL 2

WIND REGION - D (CYCLOWIND) - TERRAIN CATEGORY 1

WIND SPEEDS REGIONAL - 80m/s SERVICEABILITY - 55m/s

Signed:  Date: 29/08/2023

Robin Salter (BEng/HonM) PE/Asst CPEng/NER RPEQ

RSA Pty Ltd | Unit 6, 9 Playle Street, Myerwa WA 6154

T: +61 08 9317 3331 | E: info@rsaeng.com.au

- GENERAL NOTES:**
- 1.LUGS ARE DESIGNED TO LIFT THE FRAME WITH EMPTY TANKS ONLY.
  - 2.TOTAL EMPTY WEIGHT OF ABWT10000SF = 1570kg.
  - 3.LIFTING DESIGN BASIS = 1.5

00	ISSUED FOR CONSTRUCTION	KD	RB	MJ	10.08.23
REV	DESCRIPTION	DWN	CHK	APP	DATE



**coerco**

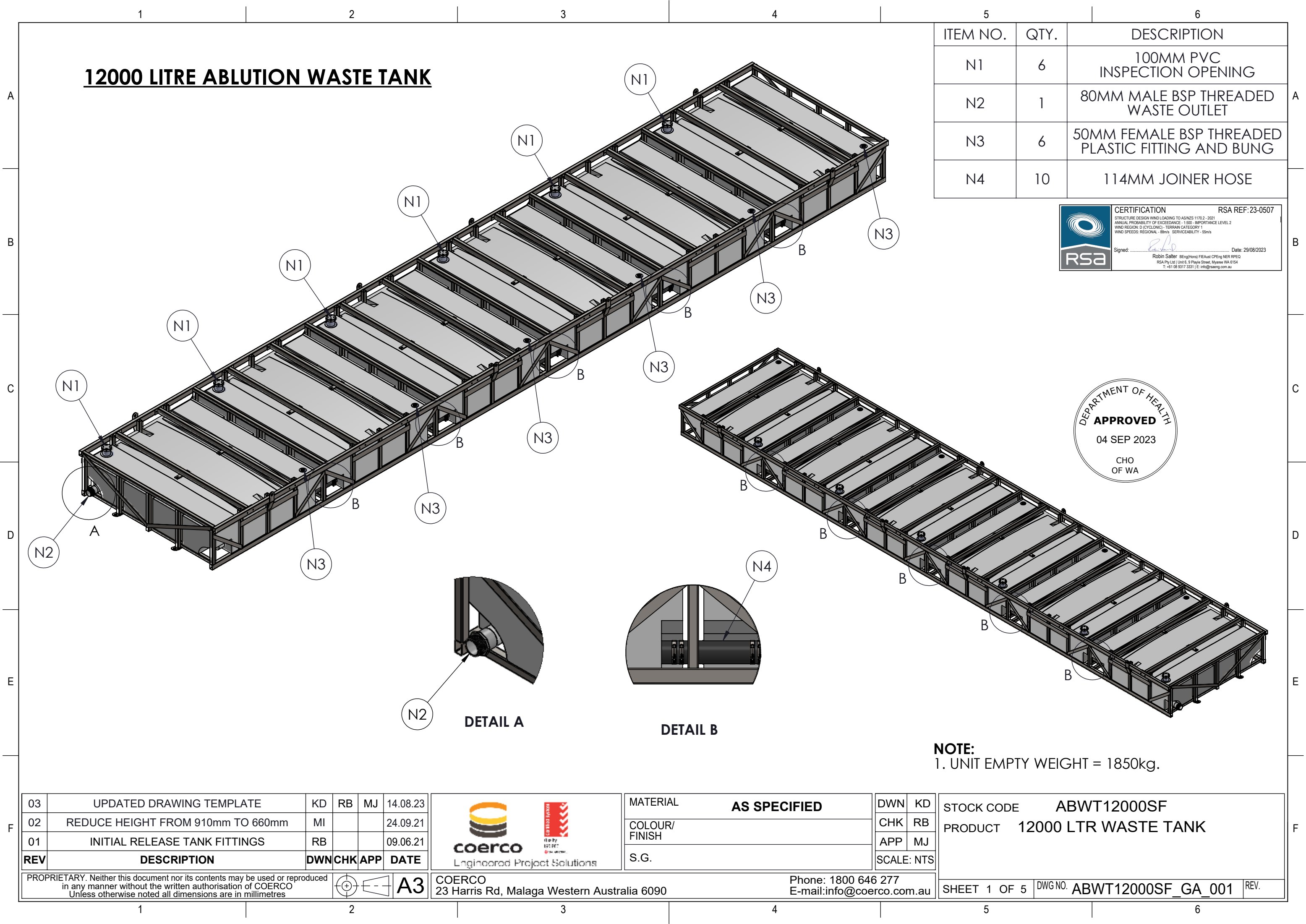
Engineered Project Solutions

MATERIAL	AS SPECIFIED
COLOUR/ FINISH	
S.G.	

DWN	KD
CHK	RB
APP	MJ
SCALE: NTS	


STOCK CODE	ABWT10000SF
PRODUCT	10000 LTR WASTE TANK






12000 LITRE ABLUTION WASTE TANK

ITEM NO.	QTY.	DESCRIPTION
N1	6	100MM PVC INSPECTION OPENING
N2	1	80MM MALE BSP THREADED WASTE OUTLET
N3	6	50MM FEMALE BSP THREADED PLASTIC FITTING AND BUNG
N4	10	114MM JOINER HOSE



CERTIFICATION  
STRUCTURE DESIGN WIND LOADING TO AS/NZS 1170.2 - 2021  
ANNUAL PROBABILITY OF EXCEEDANCE - 1:500 - IMPORTANCE LEVEL 2  
WIND REGION: D (CYCLONIC) - TERRAIN CATEGORY 1  
WIND SPEEDS: REGIONAL - 35m/s SERVICEABILITY - 55m/s  
Signed:  Date: 29/08/2023  
RSA Pty Ltd | Unit 6, 9 Playle Street, Myerwa WA 6154  
T: +61 88 9317 3331 | E: info@rsaeng.com.au

RSA REF: 23-0507

DEPARTMENT OF HEALTH

APPROVED

04 SEP 2023

CHO OF WA

NOTE:  
1. UNIT EMPTY WEIGHT = 1850kg.

03	UPDATED DRAWING TEMPLATE	KD	RB	MJ	14.08.23
02	REDUCE HEIGHT FROM 910mm TO 660mm	MI			24.09.21
01	INITIAL RELEASE TANK FITTINGS	RB			09.06.21
REV	DESCRIPTION	DWN	CHK	APP	DATE



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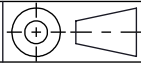
ISO 9001:2015  
REGISTERED

MATERIAL	AS SPECIFIED
COLOUR/ FINISH	
S.G.	

DWN	KD
CHK	RB
APP	MJ
SCALE:	NTS

STOCK CODE	ABWT12000SF
PRODUCT	12000 LTR WASTE TANK
SHEET 1 OF 5	DWG NO. ABWT12000SF_GA_001
REV.	

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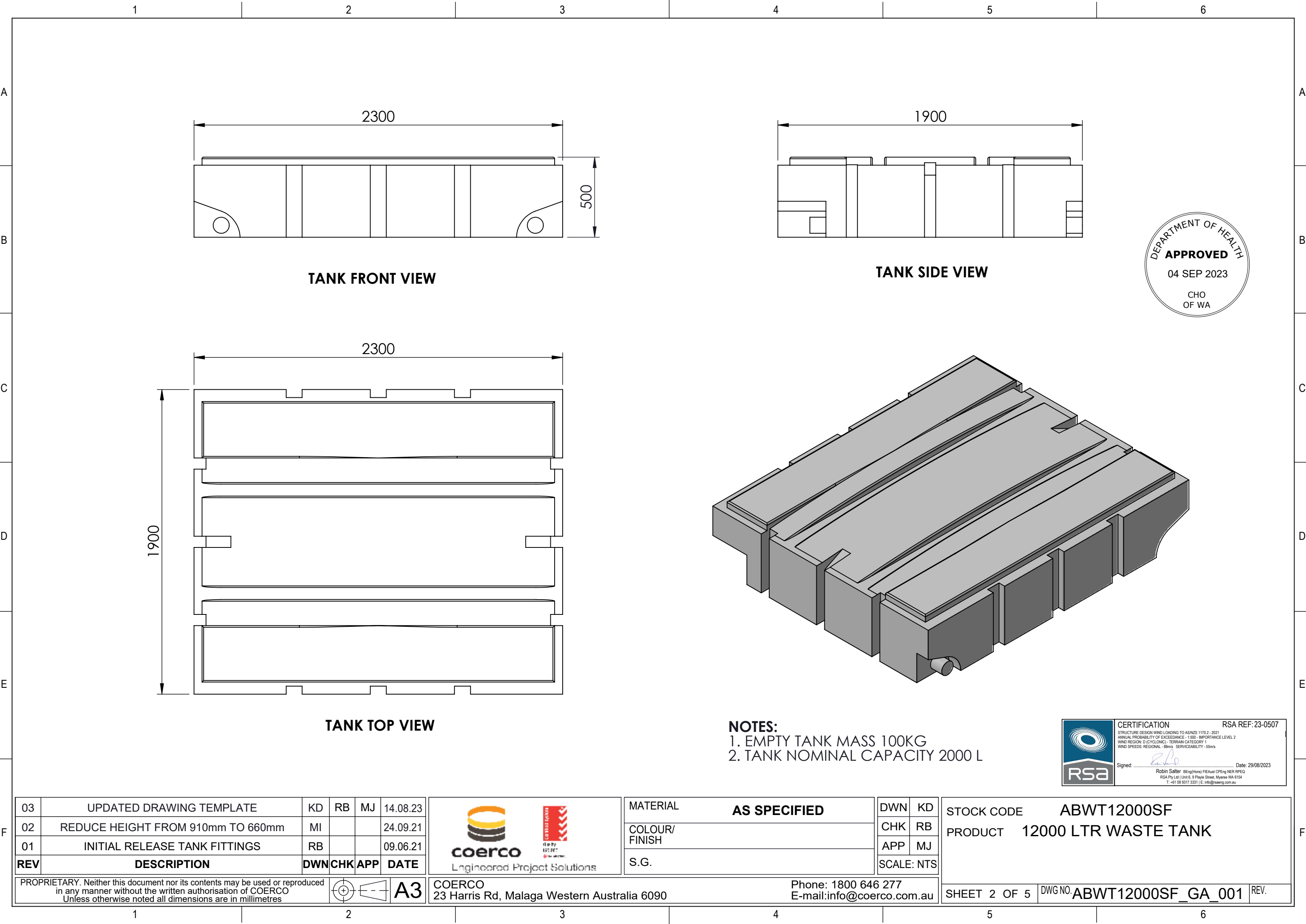


A3


COERCO  
23 Harris Rd, Malaga Western Australia 6090

Phone: 1800 646 277  
E-mail: info@coerco.com.au





**NOTES:**  
1. EMPTY TANK MASS 100KG  
2. TANK NOMINAL CAPACITY 2000 L




CERTIFICATION

STRUCTURE DESIGN WIND LOADING TO AS/NZS 1170.2 - 2021

ANNUAL PROBABILITY OF EXCEEDANCE - 1:500 - IMPORTANCE LEVEL 2

WIND REGION: D (CYCLONIC) - TERRAIN CATEGORY 1

WIND SPEEDS: REGIONAL - 68m/s SERVICEABILITY - 55m/s

Signed:  Date: 29/08/2023

Robin Salter (BEng(Hons) FEAust CPEng NER RPEQ)

RSA Pty Ltd | Unit 6, 9 Playle Street, Myaree WA 6154

T: +61 08 9377 3331 | E: info@rsaeng.com.au

03	UPDATED DRAWING TEMPLATE	KD	RB	MJ	14.08.23
02	REDUCE HEIGHT FROM 910mm TO 660mm	MI			24.09.21
01	INITIAL RELEASE TANK FITTINGS	RB			09.06.21
REV	DESCRIPTION	DWN	CHK	APP	DATE



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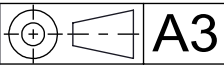
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MATERIAL	AS SPECIFIED
COLOUR/ FINISH	
S.G.	

DWN	KD
CHK	RB
APP	MJ
SCALE:	NTS

STOCK CODE	ABWT12000SF
PRODUCT	12000 LTR WASTE TANK
SHEET 2 OF 5	DWG NO. ABWT12000SF_GA_001
REV.	

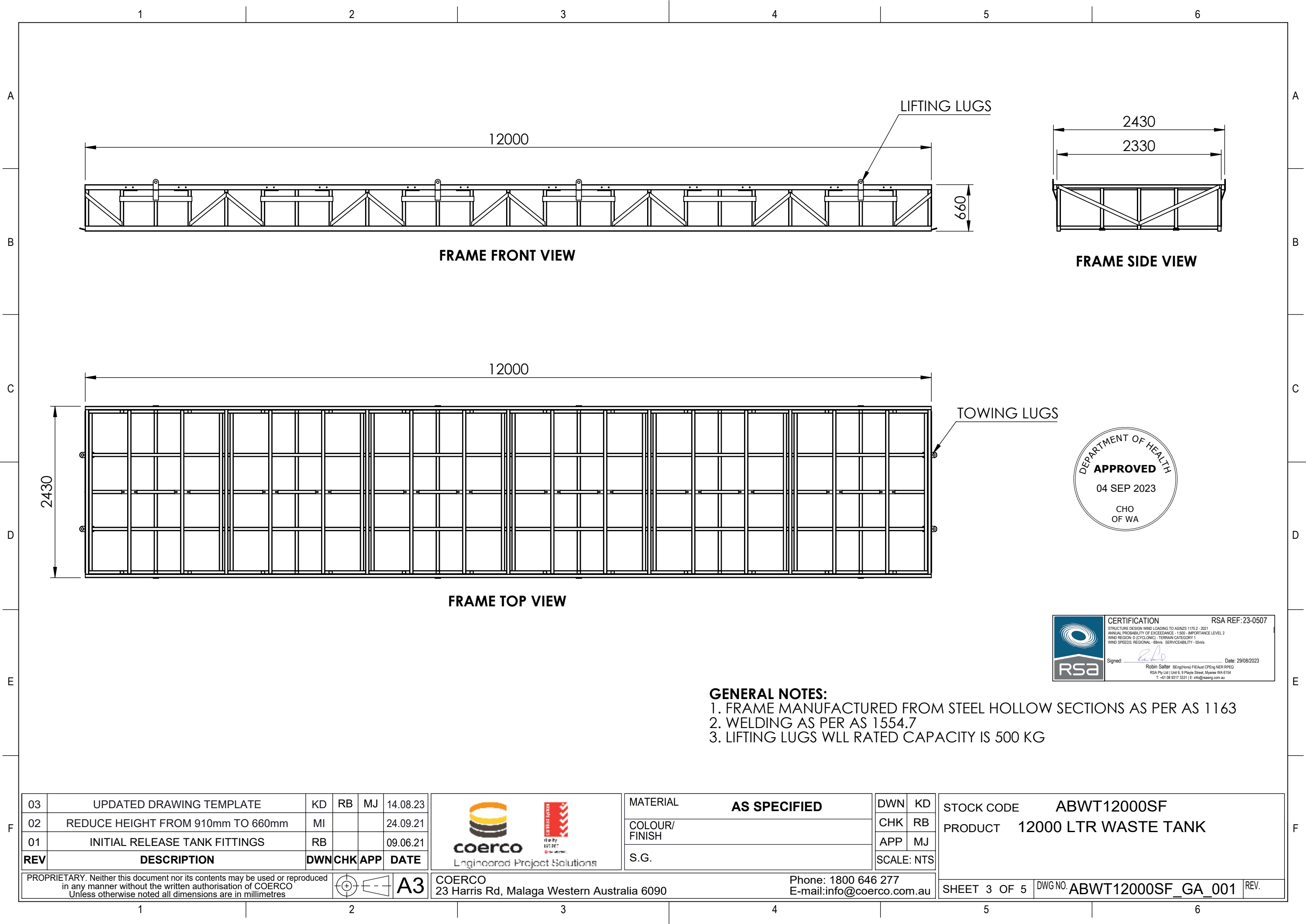
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FRAME FRONT VIEW

FRAME SIDE VIEW

FRAME TOP VIEW





CERTIFICATION  
STRUCTURE DESIGN WIND LOADING TO AS/NZS 1170.2 - 2021  
ANNUAL PROBABILITY OF EXCEEDANCE - 1:100 - IMPORTANCE LEVEL 2  
WIND REGION: D (CYCLONIC) - TERRAIN CATEGORY 1  
WIND SPEEDS: REGIONAL - 88m/s SERVICEABILITY - 55m/s  
Signed:  Date: 29/08/2023  
Robin Salter - BEng(Hons) FIEAust CPEng NER RPEQ  
RSA Pty Ltd | Unit 6, 9 Playle Street, Myerwa WA 6154  
T: +61 08 9317 3331 | E: info@rsaeng.com.au

RSA REF: 23-0507

- GENERAL NOTES:**
- 1. FRAME MANUFACTURED FROM STEEL HOLLOW SECTIONS AS PER AS 1163
  - 2. WELDING AS PER AS 1554.7
  - 3. LIFTING LUGS WLL RATED CAPACITY IS 500 KG

03	UPDATED DRAWING TEMPLATE	KD	RB	MJ	14.08.23
02	REDUCE HEIGHT FROM 910mm TO 660mm	MI			24.09.21
01	INITIAL RELEASE TANK FITTINGS	RB			09.06.21
REV	DESCRIPTION	DWN	CHK	APP	DATE



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Engineered Project Solutions



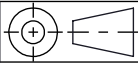
AS 1163  
STEEL  
HOLLOW  
SECTIONS

MATERIAL	AS SPECIFIED
COLOUR/ FINISH	
S.G.	

DWN	KD
CHK	RB
APP	MJ
SCALE:	NTS

STOCK CODE	ABWT12000SF
PRODUCT	12000 LTR WASTE TANK
SHEET 3 OF 5	DWG NO. ABWT12000SF_GA_001
REV.	

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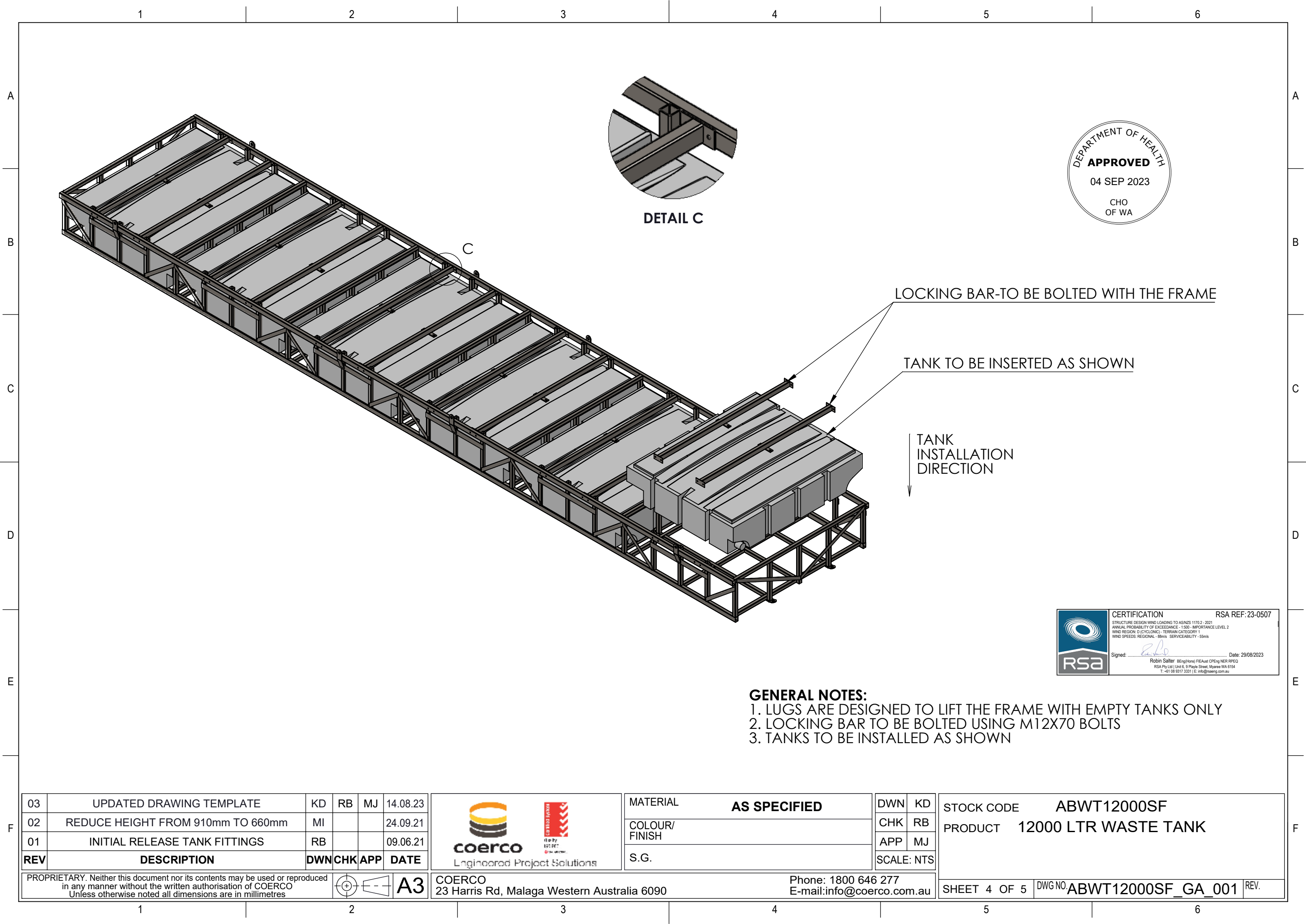


A3

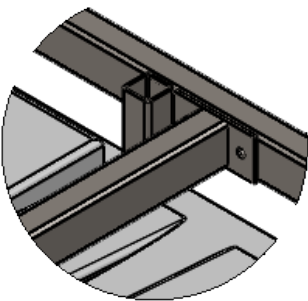
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E-mail: info@coerco.com.au





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**APPROVED**  
04 SEP 2023  
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DETAIL C

LOCKING BAR-TO BE BOLTED WITH THE FRAME

TANK TO BE INSERTED AS SHOWN

TANK  
INSTALLATION  
DIRECTION



CERTIFICATION


RSA REF:23-0507

STRUCTURE DESIGN WIND LOADING TO AS/NZS 1170.2 - 2021

ANNUAL PROBABILITY OF EXCEEDANCE - 1:500 - IMPORTANCE LEVEL 2

WIND REGION: D (CYCLONIC) - TERRAIN CATEGORY 1

WIND SPEEDS: REGIONAL - 88m/s SERVICEABILITY - 55m/s

Signed:  Date: 29/08/2023

Robin Salter BEng(Hons) FEAust CPEng NER RPEQ

RSA Pty Ltd | Unit 6, 9 Playle Street, Myerwa WA 6154

T: +61 08 9317 3331 | E: info@rsawing.com.au

- GENERAL NOTES:**
- 1. LUGS ARE DESIGNED TO LIFT THE FRAME WITH EMPTY TANKS ONLY
  - 2. LOCKING BAR TO BE BOLTED USING M12X70 BOLTS
  - 3. TANKS TO BE INSTALLED AS SHOWN

03	UPDATED DRAWING TEMPLATE	KD	RB	MJ	14.08.23
02	REDUCE HEIGHT FROM 910mm TO 660mm	MI			24.09.21
01	INITIAL RELEASE TANK FITTINGS	RB			09.06.21
REV	DESCRIPTION	DWN	CHK	APP	DATE



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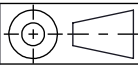
Engineered Project Solutions

MATERIAL	AS SPECIFIED
COLOUR/ FINISH	
S.G.	

DWN	KD
CHK	RB
APP	MJ
SCALE:	NTS

STOCK CODE	ABWT12000SF
PRODUCT	12000 LTR WASTE TANK
SHEET 4 OF 5	DWG NO. ABWT12000SF_GA_001
REV.	

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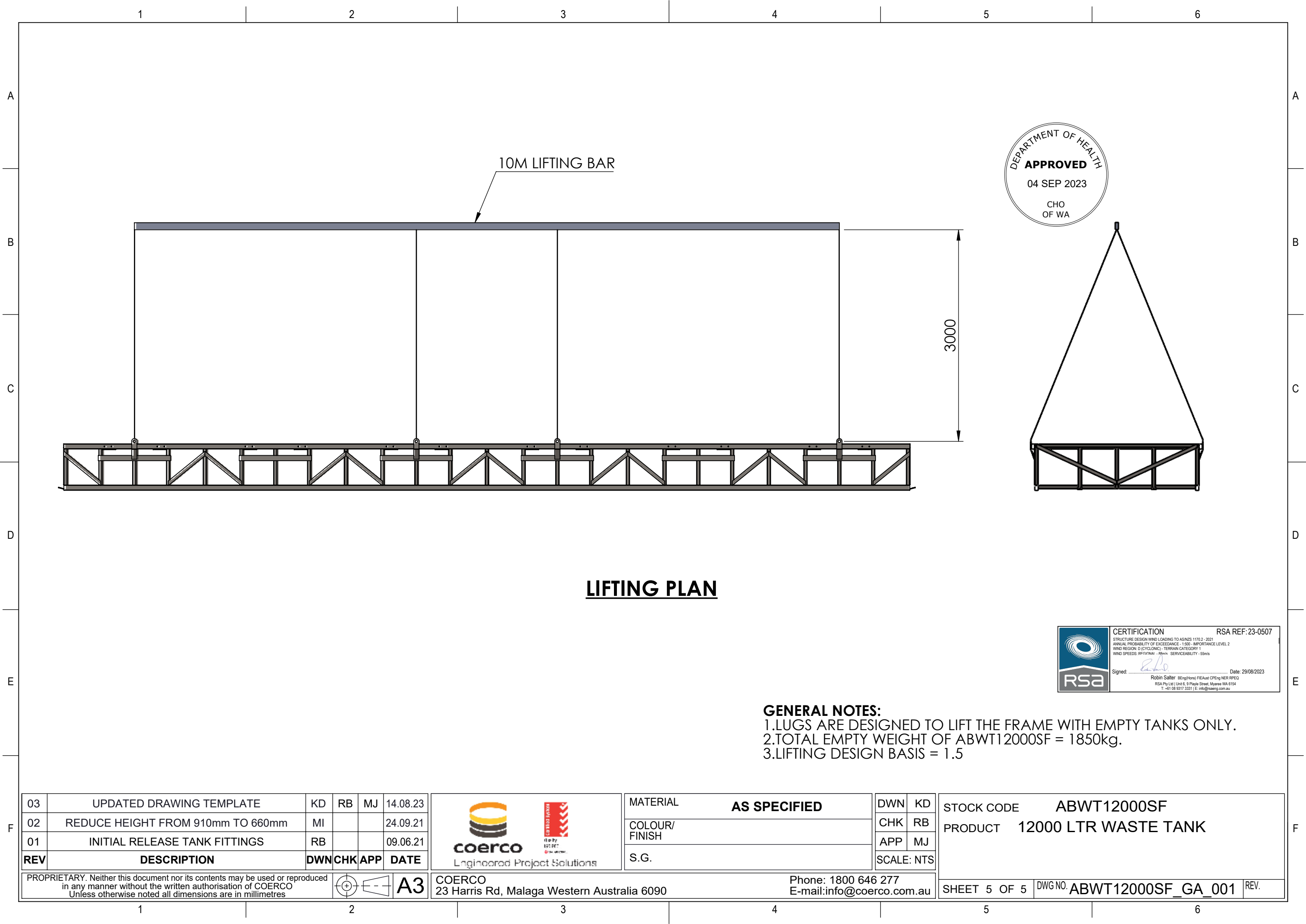


A3


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E-mail: info@coerco.com.au






**LIFTING PLAN**



**CERTIFICATION** RSA REF: 23-0507

STRUCTURE DESIGN WIND LOADING TO AS/NZS 1170.2 - 2021  
ANNUAL PROBABILITY OF EXCEEDANCE - 1:500 - IMPORTANCE LEVEL 2  
WIND REGION: D (CYCLONIC) - TERRAIN CATEGORY 1  
WIND SPEEDS: REF: 1170.2 - 2021 - 55m/s  
SERVICEABILITY - 55m/s

Signed:  Date: 29/08/2023

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T: +61 08 9377 3331 E: info@rsaeng.com.au

- GENERAL NOTES:**
- 1.LUGS ARE DESIGNED TO LIFT THE FRAME WITH EMPTY TANKS ONLY.
  - 2.TOTAL EMPTY WEIGHT OF ABWT12000SF = 1850kg.
  - 3.LIFTING DESIGN BASIS = 1.5

03	UPDATED DRAWING TEMPLATE	KD	RB	MJ	14.08.23
02	REDUCE HEIGHT FROM 910mm TO 660mm	MI			24.09.21
01	INITIAL RELEASE TANK FITTINGS	RB			09.06.21
REV	DESCRIPTION	DWN	CHK	APP	DATE



**coerco**  
Engineered Project Solutions

MATERIAL	AS SPECIFIED
COLOUR/ FINISH	
S.G.	

DWN	KD
CHK	RB
APP	MJ
SCALE:	NTS

STOCK CODE	ABWT12000SF		
PRODUCT	12000 LTR WASTE TANK		
SHEET 5 OF 5	DWG NO.	ABWT12000SF_GA_001	REV.



# ABLUTION WASTE TANK INSTALLATION GUIDE



## WARNING

Observe all OH&S and Confined Space Requirements Prior to Entering the Tank or Excavation. Installation Procedures must be in accordance with the instruction and guidance manual supplied with the equipment. For detailed information, refer to the Engineers Department.





# Ablution Waste Tank

## General Instalation Guide

COERCO STORAGE SYSTEMS must be installed according to these instructions.

### INTRODUCTION

#### Introduction

Congratulations on your purchase of the Coerco Ablution Waste Tank System. With proper care and following a few simple guidelines your system will give you many years of dependable service.

### IMPORTANT

#### Important

The following information must be read in conjunction with all local council, governing authorities and relevant standards for the requirements of installing this system

Only qualified personnel should install, operate and repair your Coerco Ablution Waste Tank System. Any wiring of pumps or similar electrical equipment should only be performed by a qualified electrician.

All specifications must be certified by the engineers/consultants and relative governing authorities before commencement of construction and installation.

The customer or installer is responsible for ensuring that the installation of this Coerco Ablution Waste Tank System is in compliance with any regulatory requirements of the planning authorities, building control, Environmental Agency, Water Board and/or National AS/NZ Standards.

### SAFETY PRECAUTIONS



#### Safety Precautions

- Ensure the installer is aware of all "Confined Spaces" and "OH&S" guidelines.
- Make sure that there is sufficient oxygen and there are no poisonous gases present.
- Check the explosion risk before welding or using electrical tools.
- Do not ignore health hazards and observe strict cleanliness.
- Ensure all lifting equipment is in good condition and meets the relevant standards for the purpose.
- In case of any contamination, please ensure all personnel who work on the system are vaccinated against diseases that can occur.
- Always keep a first aid kit within easy reach.

#### Off-loading and Handling

(Please refer to APPENDIX A - "Lift Study Details")

The contractor is responsible for the off-loading of the tank. The tank must be handled with care to prevent accidental damage from impact or contact with sharp objects.

#### Oversize Loads

Where tanks are of such size that police or private escort is required, delivery times given are only estimates. In the event of a delay outside our control, if any extra charges arise, they will be forwarded to the contractor.



# Ablution Waste Tank

## General Instalation Guide

### Site Access and Conditions

It is the responsibility of the client or installer to ensure suitable access to good hard ground conditions that are safe and suitable for off loading the Coerco Storage System.

### Storage

Set the tank on smooth level ground, free from bricks and/or sharp objects. Chock/tie down to prevent the tank moving during high winds.

The tanks should be lifted using suitable slings, chains or wire ropes, attaching to designated lifting points. Do not drag the tank along the ground for any distance and avoid jarring or bumps.

DO NOT lift with water in the tank.



### PRIOR TO INSTALLATION

#### Prior to Installation

Determine the best location for your Coerco Storage System and pump controls (if applicable).

These recommendations indicate the requirement for installation in the typical site conditions. The installer should ensure that the requirements for their particular site conditions and anticipated loadings are met, taking Engineers advice where necessary.

The installation of the Coerco Storage System may require the prior approval of the local council.

Questions relating to this should be directed to a responsible officer of the local council and/or relevant authorities. Coerco, regret they are not able to supply this information. Check tank for any damage that may have occurred during freight or handling. Be careful to avoid any "bruising", as all damage must be repaired before installation. Refer to supplier.

Please tighten all fasteners and associated equipment before installation.

### VENTING

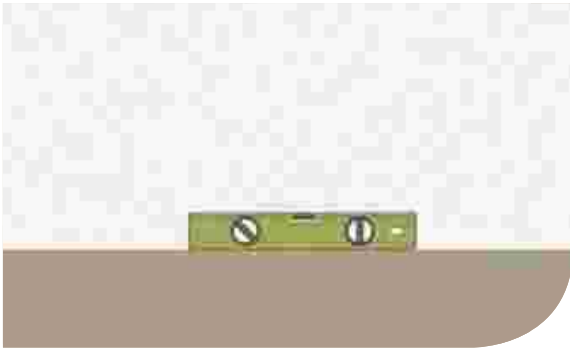
#### Venting

Coerco Storage Systems should be vented in accordance with the current applicable plumbing and drainage standards. In multiple chamber tanks, venting must not be combined into a common stack below a point where pollutants contained could be transferred to other chambers.



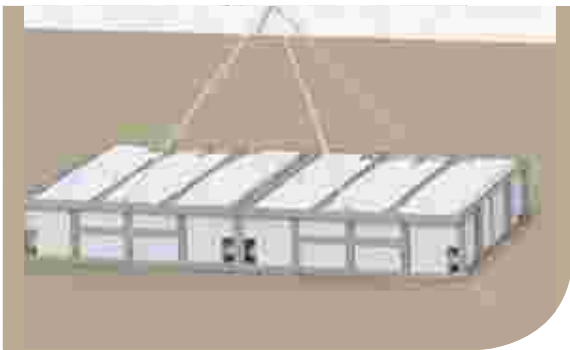
# Ablution Waste Tank

## General Instalation Guide



### Step No. 1

Clear area of installation and ensure site is level, compacted and free from any objects such as stones, sticks etc. which may damage or hinder the level resting of the Coerco Ablution Waste Tank.

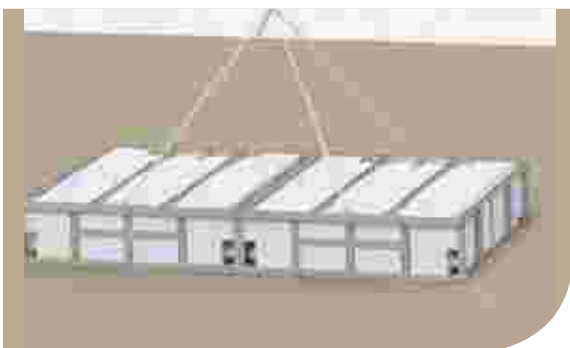


### Step No. 2

Coerco Ablution Waste Tank  
**MUST ONLY BE LIFTED WHEN EMPTY.**

Lift tank by designated certified lifting points (see APPENDIX A) into place ensuring it is correctly orientated with inlet/outlet points in the desired finished positions. Carefully lower Coerco Ablution Waste Tank into chosen position and set into place. Ensure tank is sitting level on all planes for optimum waste flow and operation.

Note all OH & S requirements and practises regarding the lifting of the Coerco Ablution Waste Tank.



### Step No. 3

Once a Coerco Ablution Waste Tank is level and sitting stable, check all inlet/outlet points are ready for connection and free from damage. Carry out verification testing for tank water tightness as per procedures and test forms given in APPENDIX C & D of this installation manual.



# Ablution Waste Tank

## General Instalation Guide

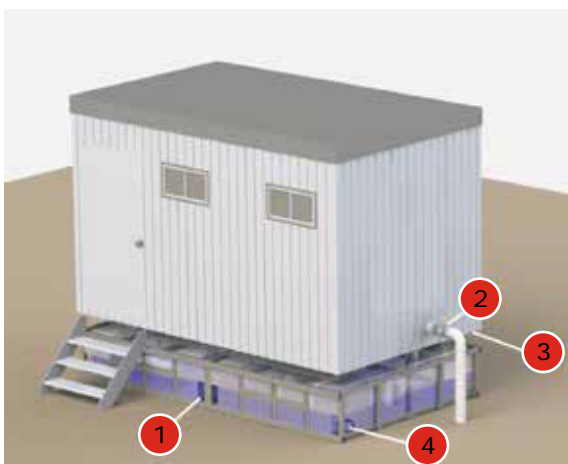


### Step No. 4

Check that ablution building is within engineering design safe load weight for Rapid Coerco Ablution Waste Tank supporting frame.

Lift ablution building into place (refer to ablution building manufacturer's lift study & instructions before lifting building structure), gently lowering onto top of Coerco Ablution Waste Tank supporting frame ensuring location of ablution building sewage outlets match the orientation of the Coerco Ablution Waste Tank.

Note all OH & S requirements regarding the lifting of the Ablution building.



- 1 Tank joiners (if app)
- 2 Water supply
- 3 Joining connection between building and tank
- 4 Outlet connection



All INLETS and OUTLETS must be minimum size of DN100

Flowpath distance between INLET and OUTLET must be a minimum of 1200mm.



### Step No. 5

Connect water supply to ablution building and sewage outlets to inlet on Coerco Ablution Waste Tank, ensuring all couplings are securely fitted and functional. Carry out verification testing for joints around fittings as per procedures and test forms given in APPENDIX B & D of this installation manual.



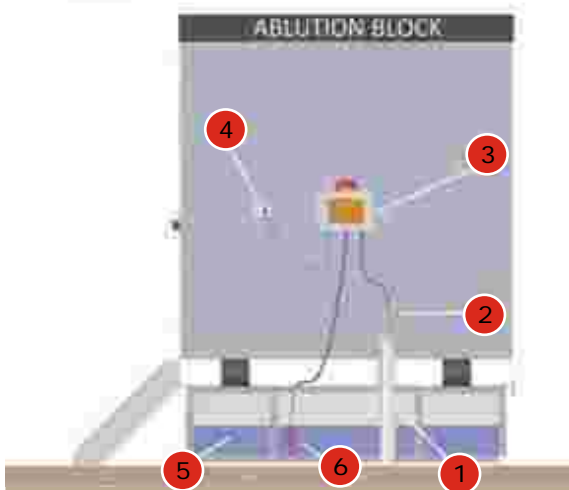
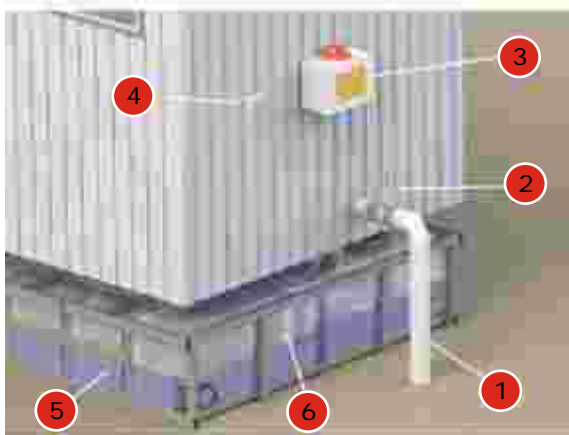
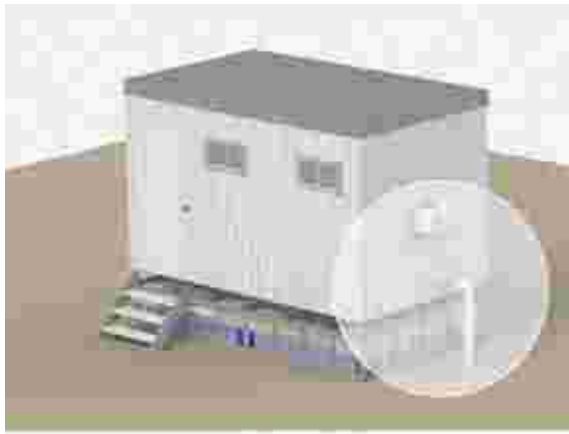
# Ablution Waste Tank

## General Instalation Guide

### Step No. 6

Install water shut off & level alarm to the abluion block and Coerco Ablution Waste Tank as per manufacturer's instructions. The Water Shut-off & Level Alarm is a system controller developed to isolate the supply of Mains Water in the event of certain alarm conditions, such as when the Coerco Ablution Waste Tank is full and needs to be pumped out. Allowing water supply to continue in the event of power failure or pump fault, could result in an overflow spill of untreated sewage.

By monitoring the level in the Coerco Ablution Waste Tank and the presence of mains power, the controller appropriately switches the Water Supply Valve open or closed. The controller also incorporates 'Power On', 'Alarm' lamp indicators, as well as a mutable Audible Siren, which is activated in the event of a High Level. Refer to manufacturer's instructions for full details.



- 1 Water supply
- 2 Solenoid valve
- 3 Liquid level alarm controller
- 4 Power source
- 5 Waste water
- 6 Pump



# Ablution Waste Tank

## General Instalation Guide

### Step No. 7



Perform final visual inspection of Coerco Ablution Waste Tank around the perimeter and ablution facility is successfully operational.

Note the contents of Coerco Ablution Waste Tank must be pumped, hauled and disposed of by a licensed sewage pumping contractor and in a manner approved by the local government. No sewage from the Coerco Ablution Waste Tank system must be applied onto the ground surface, into ground water or surface waters. Sewage from the Coerco Ablution Waste Tank must be disposed of into an approved site.

Please refer to local government body and Department of Health in your local area for full regulatory requirements concerning Sewage Holding Tanks and related services.

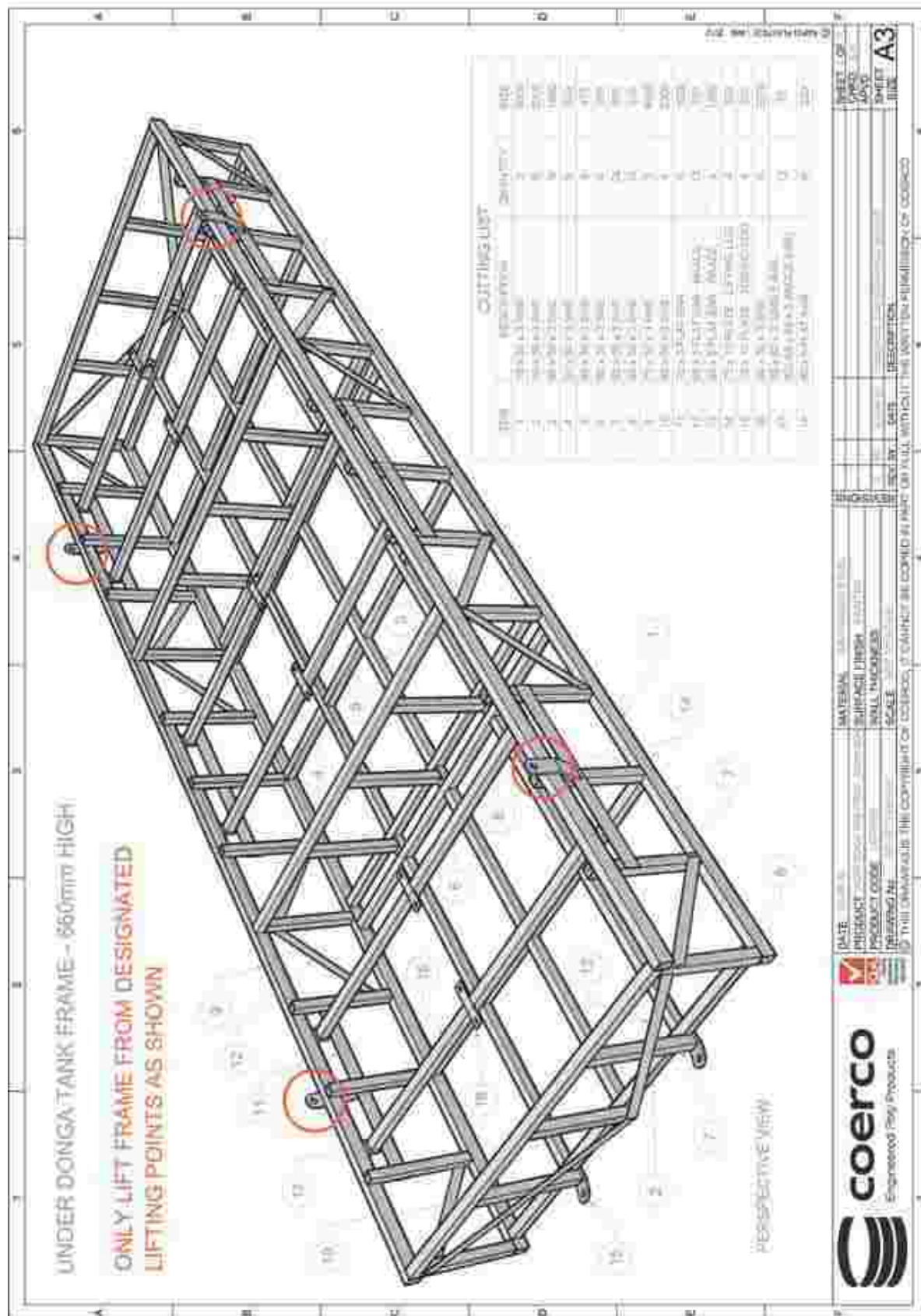


# Ablution Waste Tank

## General Instalation Guide

### APPENDIX A - LIFT STUDY GUIDE DETAILS

#### APPENDIX A





# Ablution Waste Tank

## General Instalation Guide

### APPENDIX B - FITTING INSTALLATION TEST PROCEDURE

#### APPENDIX E of AS/NZS 1546.1:2006 TEST OF MANUFACTURER'S INSTRUCTIONS FOR THE INSTALLATION OF FITTINGS IN A SOUND AND WATERTIGHT MANNER

(Normative)

#### APPENDIX B

##### E1 SCOPE

This Appendix sets out a method for the testing of the manufacturer's instructions for the installation of fittings in a sound and watertight manner, whether the fittings are installed in the factory or on-site.

##### E2 PRINCIPLE

This Appendix sets out a method for the testing of the manufacturer's instructions for the installation of fittings in a sound and watertight manner, whether the fittings are installed in the factory or on-site.

##### CE2

It is assumed that a fitting installation that is watertight in this situation will also be watertight against water ingress to the tank through the fittings.

##### E3 TESTING

###### E3.1 Procedure

The test procedure shall be as follows:

- Set up the tank as for the watertightness test as required by Appendix G;
- Install fittings in accordance with the manufacturer's instructions;
- Seal openings in the fittings to allow water to build up behind the fitting during the test;
- Fill the tank with water to the rim;
- Allow the tank to stand for at least ten minutes; and
- Observe the tank and fittings for any leakage.

###### E3.2 Test criteria

The criteria of G4.2 shall apply.

##### E4 TEST RECORDS

The report shall include the following information for each test specimen:

- Identification of person/organisation carrying out test;
- Identification of the fitting system(s) tested;
- Date of test;
- The results of the test; and
- Reference to this test method, AS/NZS 1546.1, Appendix E



# Ablution Waste Tank

## General Instalation Guide



### APPENDIX C - DETERMINATION OF WATERTIGHTNESS PROCEDURE

#### APPENDIX G of AS/NZS 1546.1:2006 DETERMINATION OF WATERTIGHTNESS (Normative)

#### APPENDIX C

##### G1 SCOPE

This Appendix sets out a method for the testing of the watertightness of septic tanks.

##### G2 PRINCIPLES

The tank is subjected to a hydrostatic pressure head and is then examined for signs of water leakage

##### G3 TESTING OF TANKS CAST-IN-SITU

###### G3.1 Testing Procedure

The procedure shall be as follows:

- Fill the tank with water to a depth of 900mm or to the invert of the outlet pipe, whichever is the greater depth;
- Allow to stand for a minimum of 24 hours;
- Top up with water and start test observation;
- Top up again after 8 hours to determine the 8-hour loss; and
- Continue for a further 24 hours if required by G3.2, and again top up to determine the loss.

##### G4 TESTING OF FACTORY-BUILT TANKS

###### G4.1 Set-up and test procedure

Tanks that can be stood in position without the need of support shall be placed on at least three bearing blocks: 500mm (minimum) length x 100mm wide x 100mm deep (see Figure G1 (a)).

Tanks that need support in order to remain in position for example, horizontal cylinders shall be placed on timber bearers and held in place with chocks, (see Figure G1 (b)). Horizontal cylindrical tanks shall be supported sufficiently so as to counter any bending and induced tension.

For the test an elbow is plumbed into the outlet (temporarily). Start the test with the water level at a mark, about 50mm up vertical. Measure the water needed to "top tank up" to that same sight mark.

The procedure shall be as follows:

- Level the tank on the supports;
- Fill the tank with water to a depth of 900mm or to the invert of the outlet pipe, whichever is the greater depth;
- Allow to stand for a minimum of 4 hours;
- Top up with water and start test observation; and
- Observe for any leakage and count the drops per minute from any single point.

###### G4.2 Test criteria

Concrete septic tanks shall not show a leakage rate greater than 4 drops/min from any single point, and a total loss in accordance with G3.2; damp patches in concrete tanks are not considered leakage.

Glass fibre-reinforced or plastic tanks shall have no leakage, and no damp patches.



# Ablution Waste Tank

## General Instalation Guide



### APPENDIX C - DETERMINATION OF WATERTIGHTNESS PROCEDURE

#### APPENDIX C

##### G5 REPAIR

Isolated minor leakages in concrete tanks may be repaired so as to effectively and permanently seal the leak. After repair, the tank shall be retested

##### G6 TEST RECORDS

The report shall include the following information for each test specimen:

- (a) Identification of person/organisation carrying out test;
- (b) Identification of the tank tested
- (c) Date of test;
- (d) The leakage rate, in drops per minute; and
- (e) Reference to this test method, AS/NZS 1546.1, Appendix G.



# Ablution Waste Tank

## General Instalation Guide



APPENDIX D - TEST FORM TEMPLATE

APPENDIX D



HYDROSTATIC TEST FORM DATA									
PERSON TESTING	TANK MODEL	TANK SERIAL ID	DATE TESTED	RESULTS	TEST METHOD	JOB N°	CLIENT	SIGNED	
					AS/NZS 1546.1, Appendix E & G				



- INDUSTRIAL CHEMICAL TANKS
- FREE STANDING CARTAGE TANKS
- BALL BAFFLE SYSTEMS/SKID MOUNT CARTAGE TANKS
- FIREFIGHTER UNITS
- DIESEL AND ADBLUE TANKS
- DIESEL PUMP KITS, FLOW METRES AND ACCESSORIES
- WATER PUMPS
- CONVEYOR HOOD SYSTEMS
- PIPE FLOATS
- MUD TUBS
- HANDLING EQUIPMENT
- SEPTI-TECH SEPTIC TANK RANGE/LEACH DRAINS
- ABLUTION BUILDING WASTE SYSTEM RANGE
- PORTABLE PRESSURE TANK SYSTEMS



Engineered Project Solutions

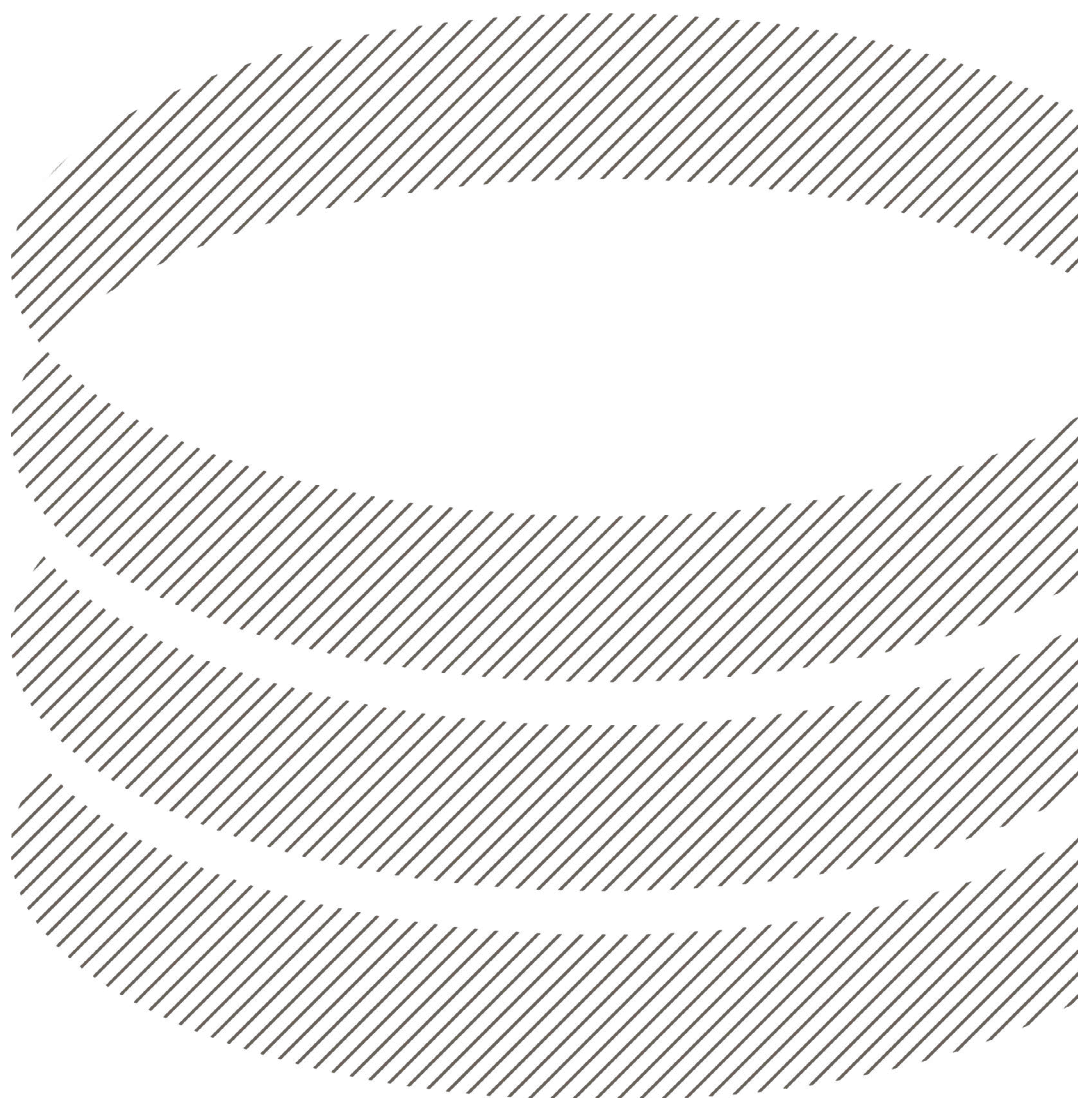


July 2023



# OUR PROMISE

# **Warranty Guarantee**



Engineered Project Solutions





# Thank You

At Coerco, we know that success involves much more than a superior product. It requires a deep awareness and understanding of the needs and desires of the people within the target markets we work with.

We realize that durability and reliability are important and that forces of nature and passage of time must be factored in during development and manufacturing. Listening to what you want has enabled us to engineer and create products using industry-leading technology, uncompromising quality and unsurpassed performance.

At Coerco we stand behind our products. We believe that our reputation is built on the long-term satisfaction of our customers and know that a warranty is only as good as the company that stands behind it. Because of this we strive to give everyone the prompt and courteous service they deserve.

Coerco has set the standard of excellence in poly product performance. There is an inherent sense of commitment to quality in all that we do, thereby guaranteeing durability and reliability with every product we make.

Since 2008 Coerco has been certified to global standard ISO9001. We inspect our products throughout the manufacturing process including a final inspection before they leave our premises, and we conduct regular audits and reviews to identify and correct any issues.

It wasn't just a product transaction when you decided to buy a Coerco product, most importantly you bought peace of mind. It's a decision for which you will be thankful for many years.

You will soon discover how your Coerco product is designed and built to perform and in the unlikely event that it doesn't, we will make it right. Be assured that Coerco has your back.

Thank you for choosing Coerco, we appreciate having you as a valued customer.



# Your Warranty

## Our Promise

Attention to detail and developing poly products that go the distance is a promise we make to every customer. To back this commitment, Coerco takes every measure possible to make sure you are getting the very best.

We conduct regular feedback surveys with our customers to help us further understand how we can serve you better. We also involve independent certification and regulation bodies to audit and assess our practices, processes and products which guarantees conformance to applicable certifications and standards of quality.

## Warranties

The following list contains information outlining the length of warranty given for each product group. You may have purchased products from different groups which can have different lengths of cover so please check carefully.

Your warranty gives you guaranteed manufacturer support of your product purchase for the period stated. This means that the product is warranted against defect or fault caused by poor workmanship or inferior quality. Deliberate misuse, negligence, abuse or failure to install, use and maintain the product in accordance with manufacturer's recommendations will render this offer of guaranteed warranty null and void.

Coerco will repair or replace (at its discretion) the product affected as soon as possible within reasonable terms & conditions to facilitate the least possible inconvenience to you. Depending on the product concerned and the type of warranty claim this time may vary although we promise to keep regular and open communication throughout the process.

This warranty does not apply to products which have been manufactured by someone other than Coerco such as an engine or pump, or to any of Coerco's products which have been modified or altered by any party other than Coerco.

Overall 100% customer satisfaction is our highest goal and desired outcomes so we strive to eliminate the need for you to have to claim warranty support by creating and delivering great products to you. In the unlikely/unfortunate that you may have to make a warranty claim we will work overtime on effort and service to 'get it right' and ensure your complete satisfaction in our dealings.

Please contact us on 1800 646 277 or [warranty@coerco.com.au](mailto:warranty@coerco.com.au) if you have any questions or need help with any warranty claim.



# Warranty Period

Product Group	Product Sub-Group	Warranty (Years)
Industrial Process Tanks	Corrugated Walled Process Tanks	5
	Flat Walled Process Tanks	5
	Conical Based Process Tank Systems	5
	Clarifiers	5
	Self Bunded Chemical Tanks	5
	Insulated Tanks	5
	Agitated Tanks	5
	Container Tank Systems	5
Underground Storage Tanks	Underground Storage Tanks	5
Tank Modifications, Fittings & Accessories	Tank Modifications, Fittings & Accessories	5
Liquid Transportation	Free Standing Liquid Transport Tanks	10
	Sump Based Liquid Transport Tanks	10
	Heavy Duty Skid Mounted Liquid Transport Units	5
	Skid Mounted Liquid Delivery Units	5
	Skid Mounted Dust Suppression Units	5
	Liquid Transport Accessories	5
Water Delivery Equipment	Skid Mount Water Delivery Units	5
	Trailed Water Delivery Units	5
	Water Delivery Accessories	5
Pressure Washer Equipment	Skid Mount Pressure Washer Units	5
	Compact Pressure Washer Units	5
	Trailed Pressure Washer Units	5
	Pressure Washer Accessories	5
Diesel Storage & Transport	Diesel Storage Tanks	5
	Trailed Diesel Transport Equipment	5
	Free Standing Diesel Transport Tanks	10
	Sump Base Diesel Transport Tanks	10
	Diesel Transfer Products	5
	Self Contained Diesel Transport Tanks	5



<b>Product Group</b>	<b>Product Sub-Group</b>	<b>Warranty (Years)</b>
Trailer Equipment Accessories	Trailer Equipment Accessories	5
Septic Systems	Septic Tanks	15
	Leach Drain Systems	5
Ablution Waste Tanks	Standard Profile	1
	Custom Skids/Tanks	1
	Fabricated Steps to Cabin	1
Portable Pressure Tank Systems	Portable Pressure Tank Systems	1
Hose & Cable Floats	Cable Floats	1
	Hose & Pipe Floats	1
	Hose & Pipe Float Accessories	1
Pontoon	Heavy Duty Pontoon	1
	Donut Pontoon - with Pump Cradle	1
	Donut Pontoon - suits suspended pump	1
	Poly Pontoon	1
	Modular Pontoon	1
Access Walkways	Floating Walkways	1
	Gangways	1
Pump Pits	Pump Pits	1
Lift Stations	Lift Stations	1
Industrial Pump Accessories	Poly Strainers	1



# CERTIFICATE OF REGISTRATION

This is to certify that:

**COERCO Pty Ltd**

ABN 54 145 356 565

Lot 581 Huggett Drive Dalwallinu WA 6609 AUSTRALIA

(Refer to Attachment to Certificate of Registration dated 20 July 2023 for additional certified sites)

operates a

**QUALITY MANAGEMENT SYSTEM**

which complies with the requirements of

**ISO 9001:2015**

for the following scope

The compounding of polymers, manufacture, assembly and despatch of poly rainwater tanks, cartage tanks, firefighting units, stock troughs and chemical tanks as well as the manufacture and distribution of Septic Tanks and AdBlue diesel vehicle fuel additive storage tanks.

**Certificate Number:**

QEC24518

**Originally Certified:**

14 July 2008

**Current Certification:**

11 July 2023

**Issue Date:**

20 July 2023

**Expiry Date:**

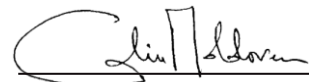
14 July 2026



ISO 9001



[WWW.JAS-ANZ.ORG/REGISTER](http://WWW.JAS-ANZ.ORG/REGISTER)



**Calin Moldovean**

President, Business Assurance

SAI Global Certification Services Pty. Ltd.  
Level 7 Suite 7.01 45 Clarence Street  
Sydney NSW 2000  
Australia

**Registered by:**

SAI Global Certification Services Pty Ltd (ACN 108 716 669) Level 7 Suite 7.01 45 Clarence Street Sydney NSW 2000 Australia with ("SAI Global") and subject to the SAI Global Terms and Conditions for Certification. While all due care and skill was exercised in carrying out this assessment, SAI Global accepts responsibility only for proven negligence. This certificate remains the property of SAI Global and must be returned to SAI Global upon its request. To verify that this certificate is current please refer to SAI Global On-Line Certification register at <http://register.saiglobal.com/>





# APPENDIX TO CERTIFICATE OF REGISTRATION

These sites are registered under certificate No: QEC24518 issued on 20 July 2023.

## COERCO Pty Ltd

SAI Site Cert no.	Certified Site Details	Effective Date
C-826657	Lot 581 Huggett Drive Dalwallinu WA 6609 AUSTRALIA	11 July 2023
	Site Scope: Rotomoulding, customized products and fitouts.	

These registrations are dependent on COERCO Pty Ltd maintaining their scope of registration to ISO 9001:2015.

**Registered by:**

SAI Global Certification Services Pty Ltd (ACN 108 716 669) Level 7 Suite 7.01 45 Clarence Street Sydney NSW 2000 Australia with ("SAI Global") and subject to the SAI Global Terms and Conditions for Certification. While all due care and skill was exercised in carrying out this assessment, SAI Global accepts responsibility only for proven negligence. This certificate remains the property of SAI Global and must be returned to SAI Global upon its request. To verify that this certificate is current please refer to SAI Global On-Line Certification register at <http://register.saiglobal.com/>

