

# Containerised Tank Systems

Installation & Warranty  
Compliance Guide



V1.0.1

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# Liquimech Containerised Tank Systems Installation & Warranty Compliance Guide

## Prelim – Supremacy and Contractual Effect

This document supersedes all verbal advice, correspondence, and prior installation guidance. All installations must comply in full. Non-compliance absolves Liquimech Group Pty Ltd of any and all responsibility.

This document forms an integral part of the contract of sale between Liquimech Group Pty Ltd ("Liquimech") and the purchaser. Acceptance of delivery or commencement of installation constitutes full acceptance of all terms herein.

*Document Ref: LQMX-INST-002*

*Issued By: Liquimech Group Pty Ltd*

## 1.0 Purpose and Scope

1.1 This Installation & Warranty Compliance Guide defines the legally binding terms, obligations, and responsibilities for the installation and post-delivery management of all Liquimech containerised systems, including but not limited to: Bulk Water Storage Tanks, Sediment Tanks, and other Containerised Units supplied by Liquimech Group Pty Ltd.

1.2 The intent of this document is to ensure total clarity of responsibility. Liquimech provides products designed, engineered, and certified for their intended purpose. However, Liquimech bears no liability for any failure, damage, or loss resulting from improper handling, installation, or maintenance.

For the avoidance of doubt, this Guide is contractually binding upon acceptance of delivery or commencement of installation.

## 2.0 Legal Standing and Responsibility

2.1 By accepting delivery, the installer and the client each accept full legal responsibility for correct handling, installation, site preparation, anchoring, drainage, and ongoing management, and are jointly and severally responsible for compliance.

2.2 Under no circumstances shall Liquimech be held responsible for any damage, injury, loss, or consequential or special loss, including loss of profit or production, arising from non-compliance, incorrect procedures, or deviations from this document.

2.3 This document overrides all previous written or verbal guidance. No employee, representative, or agent of Liquimech is authorised to waive or alter any clause contained herein.

### **3.0 Site Preparation and Base Requirements**

3.1 All Liquimech units must be installed on a level, compacted, and engineered base capable of supporting the maximum operational load when full.

3.2 Minimum requirements: 150 mm compacted crushed rock or 100 mm reinforced concrete slab with bearing capacity  $\geq 100$  kPa.

3.3 The prepared pad must extend 300 mm beyond the unit footprint in all directions.

3.4 Drainage and runoff must be directed away from the base to prevent erosion or undermining. Failure to maintain stable ground conditions will void all warranties and will be deemed improper installation.

### **4.0 Lifting, Handling, and Transport**

4.1 All Liquimech containerised tanks are certified for lifting when empty only, via designated fork pockets or ISO corner castings. No lifting may occur under load. Certification applies strictly to empty units.

4.2 All lifting operations must be carried out by trained and licensed personnel in compliance with AS 2550 and AS 4991.

4.3 Liquimech assumes no responsibility for damage or injury arising from improper lifting or handling practices.

Civil and Structural  
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RSA-25-0715-LT-S-001-Rev A  
15 September 2025

Mr Ryan Wallis  
Liquimech Group Pty Ltd  
P O Box 162  
DALWALLINU WA 6609

Dear Ryan

**Subject: Lifting of Special Container Use Products**

This letter confirms that Liquimech 20ft container tanks are **certified for lifting when empty**. Lifting may be carried out either by:

- Fork tines, inserted into the designated fork pockets; or
- Container lifters, via the ISO lifting points located in each corner of the container.

This certification applies **only to empty units**. It does not mitigate or transfer the responsibility of the end user to ensure that all lifts are performed safely, in accordance with applicable site requirements, industry practices, and operator competency.

Liquimech provides this certification as confirmation that the structural design and construction of these units are suitable for empty lifting as described. The responsibility for safe operation, handling, and compliance with local regulations remains with the user at all times.

If further clarification is required, please contact our office.

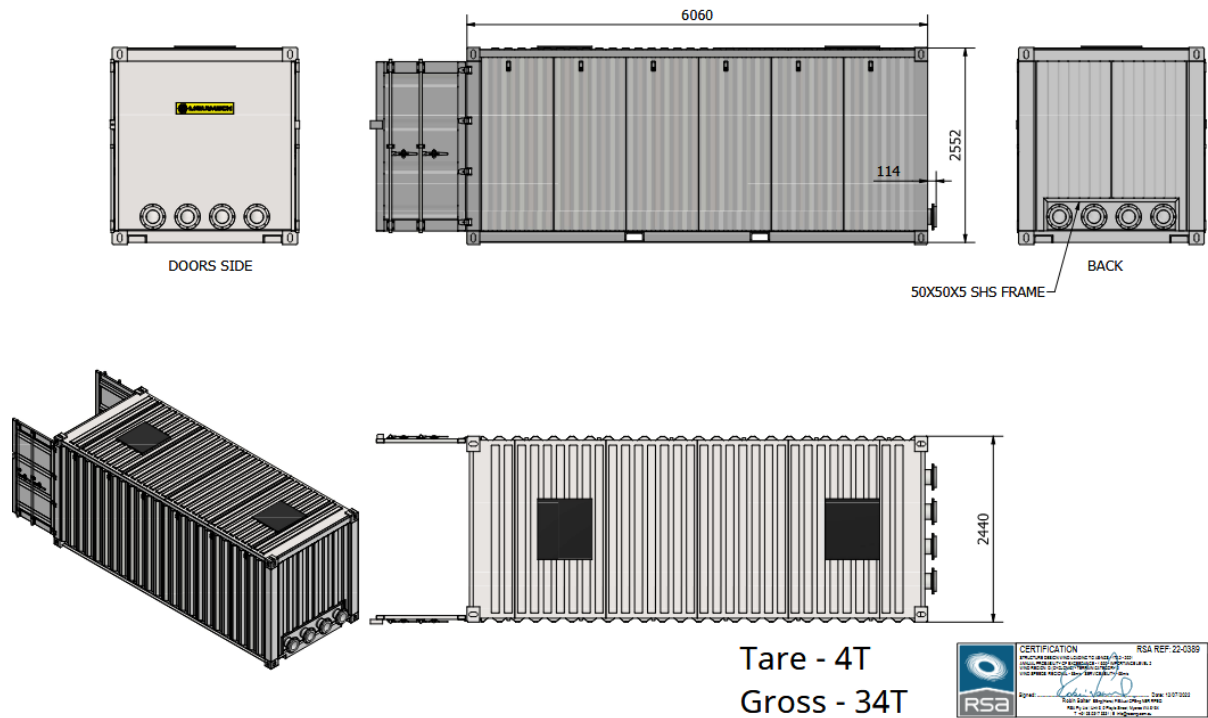
Sincerely,

Robin Salter BE (Hons) FIEAust CPEng NER  
Principal Engineer

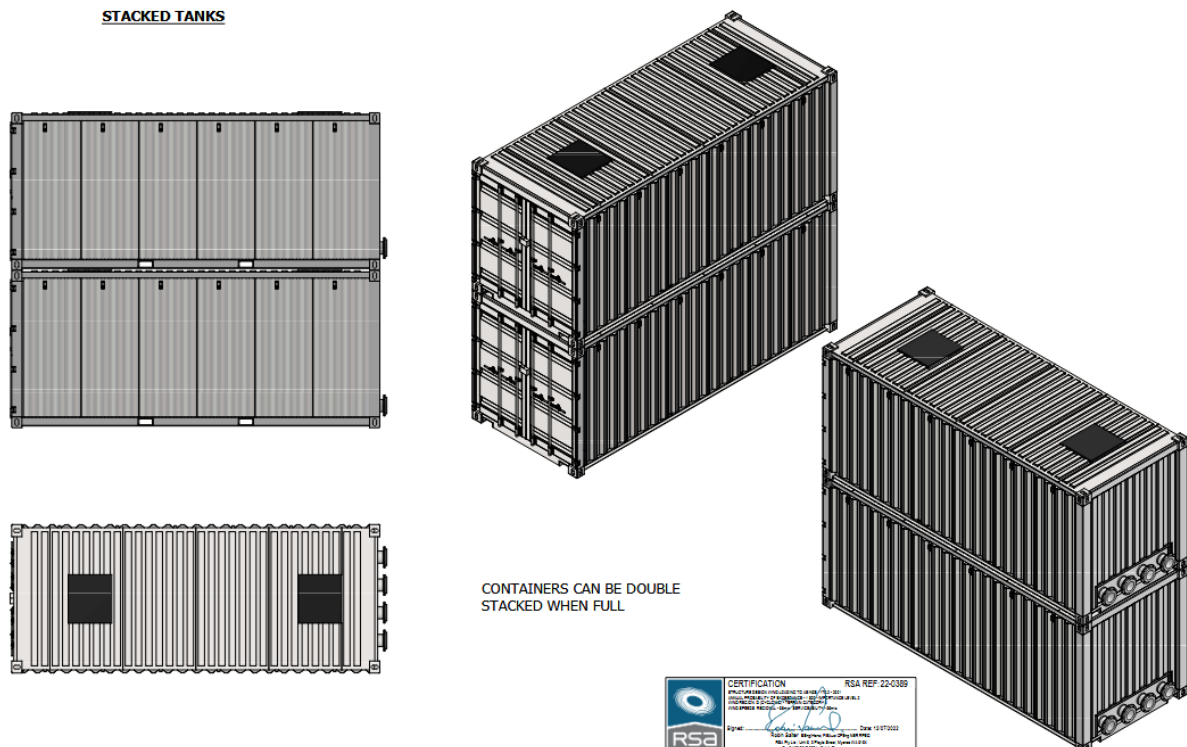
## 5.0 Stacking and Structural Certification

5.1 Liquimech containerised systems are certified for double stacking when full, provided the base is level, compacted, and aligned through ISO corner castings.

### OPENED DOOR CONTAINER



### STACKED TANKS

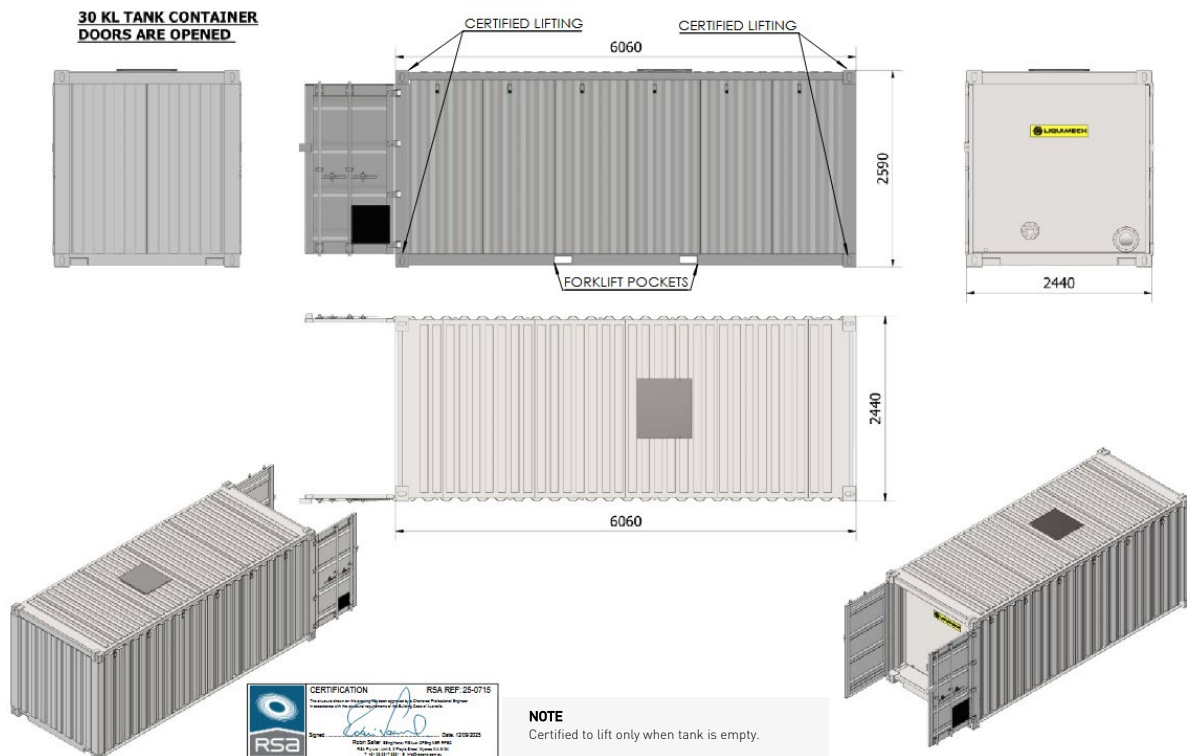


5.2 Stacking on uneven, unengineered, or non-compliant bases is strictly prohibited. Any deviation voids all certification.

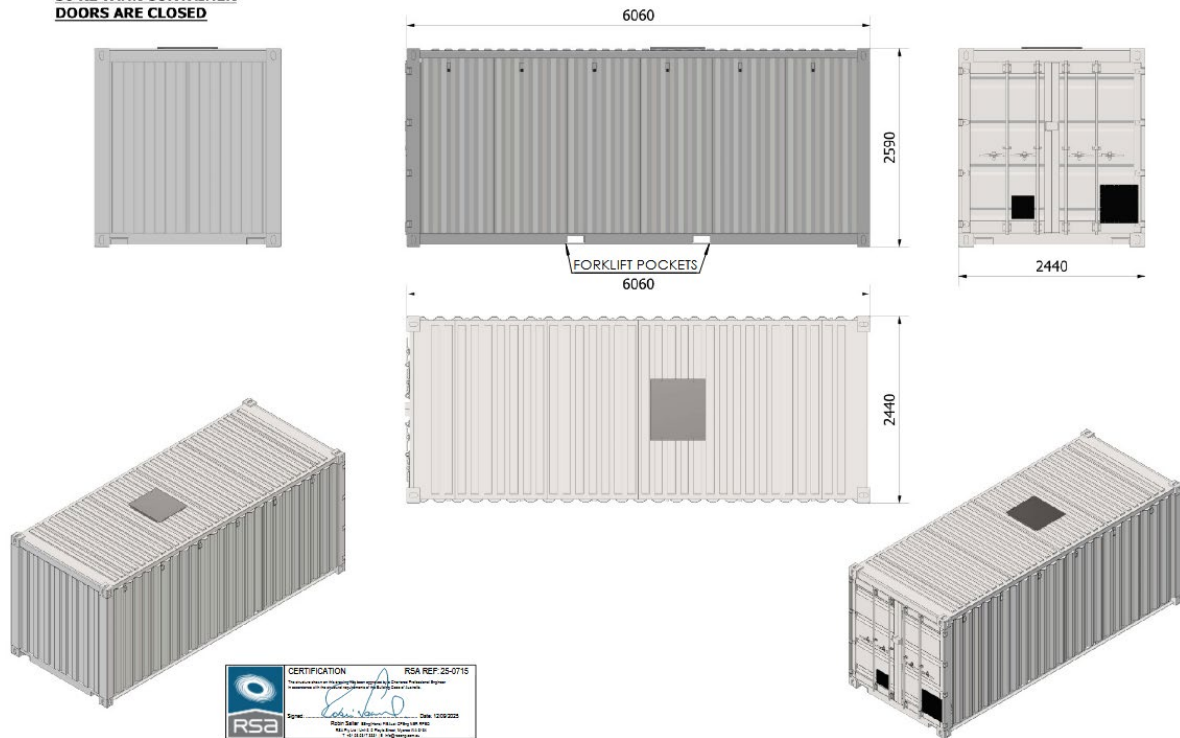
5.3 Structural design complies with AS/NZS 1170.2:2021 for Wind Region D (Cyclonic), Terrain Category 2, and an annual probability of exceedance of 1:500.

5.4. The structural engineering provided by Liquimech pertains strictly to the *superstructure design* for compliance in high wind zones. To maintain certification and ensure stability under cyclonic conditions, the unit must be **installed and tied down in accordance with the approved Liquimech tie-down and footing options**.

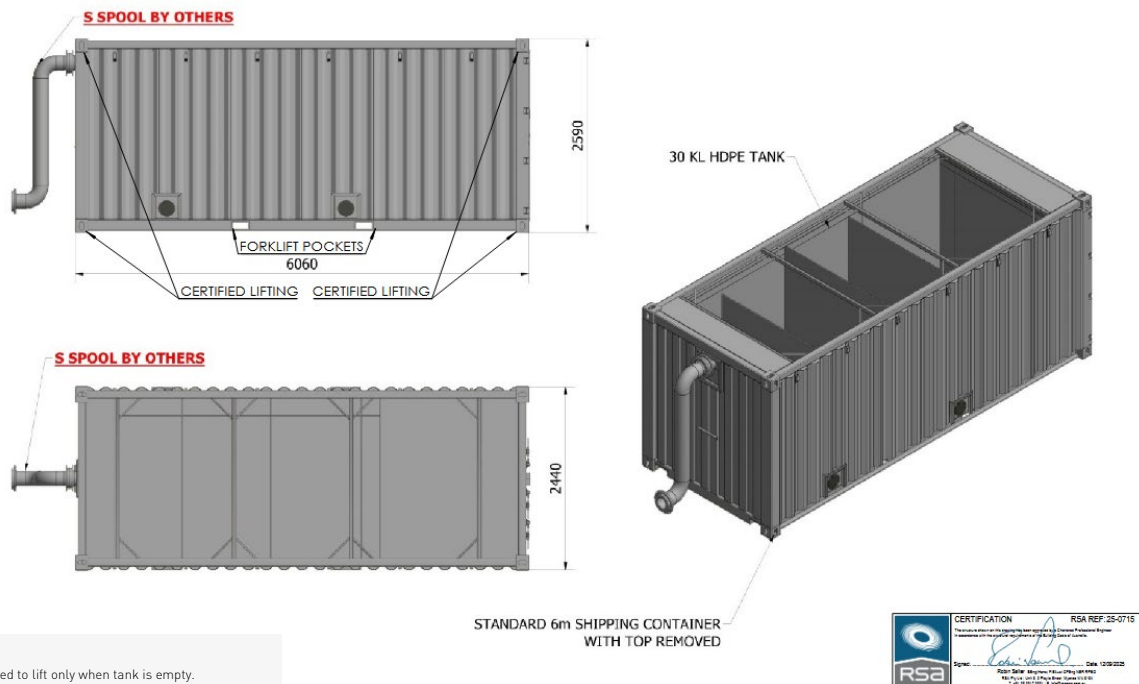
Failure to adopt the standard Liquimech foundations or equivalent engineered footings will require the end user to **manage all resulting overturning and uplift loads** at their own risk. Any deviation from the prescribed tie-down and foundation design voids the structural compliance certification.



**30 KL TANK CONTAINER  
DOORS ARE CLOSED**



**TOP LEVEL ASSEMBLY**



**NOTE**  
Certified to lift only when tank is empty.



## 6.0 Confined Space Entry

6.1 Certain Liquimech tanks may constitute confined spaces under Safe Work Australia's Confined Space Code of Practice.

6.2 Entry into such spaces is strictly prohibited without a valid entry permit, atmospheric monitoring, and standby observer.

6.3 Unauthorised entry may result in serious injury or death. Liquimech assumes no liability for any confined space incidents.

## 7.0 Access, Ladders, and Handrails

7.1 Where ladders, platforms, or handrails are supplied, users must be trained in working at heights in compliance with AS 1657:2018.

7.2 Safe access procedures and fall protection systems must be in place at all times. Liquimech is not responsible for accidents or injuries resulting from misuse or lack of training.



## 8.0 Installation Obligations

8.1 Installers are required to verify that all base preparation, lifting, and access measures meet or exceed Liquimech standards.

8.2 Failure to follow any clause in this guide constitutes negligence and transfers all responsibility to the installer.

## 9.0 Post-Delivery Responsibility

9.1 Once goods have been delivered, Liquimech relinquishes all operational and legal responsibility.

9.2 All risks, including site conditions, lifting, access, and maintenance, rest solely with the owner or installer.

Liquimech reserves the right to reject any warranty claim where photographic or written evidence of the installation and base condition at the time of commissioning is not provided.

## 10.0 Warranty and Indemnity

10.1 Warranties are conditional upon full compliance with this document. Any non-compliance voids all warranty obligations. Liquimech's liability, whether in contract, tort (including negligence), or otherwise, is strictly limited to the repair or replacement of defective goods as determined by Liquimech in its sole discretion. Under no circumstances shall Liquimech be liable for any consequential, indirect, or special loss, including loss of profit, production, or reputation.

10.2 The installer and client indemnify Liquimech Group Pty Ltd against all claims, losses, or damages arising from misuse, non-compliance, or negligence.

Warranty Void Triggers include: installation on non-engineered bases; lifting while full; unauthorised modifications; lack of drainage/undermining; operation outside certified environmental/wind region ratings; failure to comply with referenced standards.

Nothing in this document is intended to exclude, restrict, or modify any statutory rights under the Competition and Consumer Act 2010 (Cth). To the extent permitted by law, all other warranties and conditions are excluded.

## 11.0 Modifications and Alterations

11.1 No modification, alteration, or addition may be made to any Liquimech product without written consent. Unauthorised modifications void all certification and warranty coverage.

Liquimech's drawings, models, and documentation remain its intellectual property. Distribution to third parties or use for replication, modification, or manufacture of similar products is strictly prohibited without written consent.

## 12.0 Training and Competency

12.1 All operators, installers, and maintenance personnel must be appropriately trained and competent in their duties.

12.2 Liquimech accepts no responsibility for actions taken by unqualified persons.

## 13.0 Legal Indemnity Clause

13.1 Liquimech provides all products in good faith, free from known defects at the time of dispatch, and with verified engineering certification. Responsibility for safe use and compliance rests entirely with the end user.

13.2 By proceeding with installation, the installer acknowledges total responsibility for adherence to this guide.

## 14.0 Applicable Standards



14.1 AS/NZS 1170.2:2021 – Structural Design for Wind Actions

14.2 AS 1657:2018 – Fixed Platforms, Walkways, Stairways, and Ladders

14.3 AS 2550 & AS 4991 – Safe Use of Cranes and Lifting Devices

14.4 WHS Confined Space Code of Practice [2022]

14.5 AS/NZS 3000 – Electrical Wiring Rules

## 15.0 Supremacy of Document

15.1 This document takes precedence over all previous guidance, drawings, or correspondence.

15.2 Any deviation from the conditions outlined herein releases Liquimech from all responsibility.

## 16.0 Governing Law and Jurisdiction

16.1 This document shall be governed by and construed in accordance with the laws of the Commonwealth of Australia. The parties agree to submit to the exclusive jurisdiction of the courts of Australia, including any state or territory in which enforcement or proceedings are initiated, without restriction.

Liquimech Group Pty Ltd  
ABN 47 657 225 644



All installations must comply with this document. Non-compliance absolves Liquimech Group Pty Ltd of all responsibility.

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***You Define, We Design***



**To discuss your unique operational, technical and budgetary requirements**

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