

HEAVY VEHICLE STANDPIPE

Installation Guide

TABLE OF CONTENTS

I. Introduction.....	1
II. Safety Precautions.....	1
III. Pre-Installation Preparation	2
IV. Standpipe Components.....	2
V. Center of Mass	3
VI. Installation Steps	6
VII. Unfolding Process.....	15
VIII. Warranty Conditions & Support.....	17

LIQUIMECH HEAVY VEHICLE STANDPIPE

Installation Guide

I. Introduction

This guide provides installation and lifting instructions for Liquimech Heavy Vehicle Standpipes. It supplements, but does not replace, a certified lifting plan or engineering assessment. Liquimech accepts no liability for lifting or installation carried out without appropriate certification.

This guide details the installation and lifting procedures for Liquimech Heavy Vehicle Standpipes. All lifting and installation operations must be carried out by competent and licensed personnel in accordance with Australian Standards and site-specific safety regulations.

The information contained herein provides general guidance only and must be read alongside the project-specific lifting plan and engineering documentation.

II. Safety Precautions



WARNING: Only trained personnel should operate or maintain this unit.

Before any installation or lifting operation, ensure the following:

- Only trained and competent personnel perform lifting and installation.
- All PPE (Personal Protective Equipment) is worn.
- Ground conditions are stable, level, and compacted.
- Exclusion zones and safety barriers are installed.
- The lifting plan has been reviewed and approved by a competent person.
- All tools and lifting equipment are certified, rated, and inspected prior to use.

LIQUIMECH HEAVY VEHICLE STANDPIPE

Installation Guide

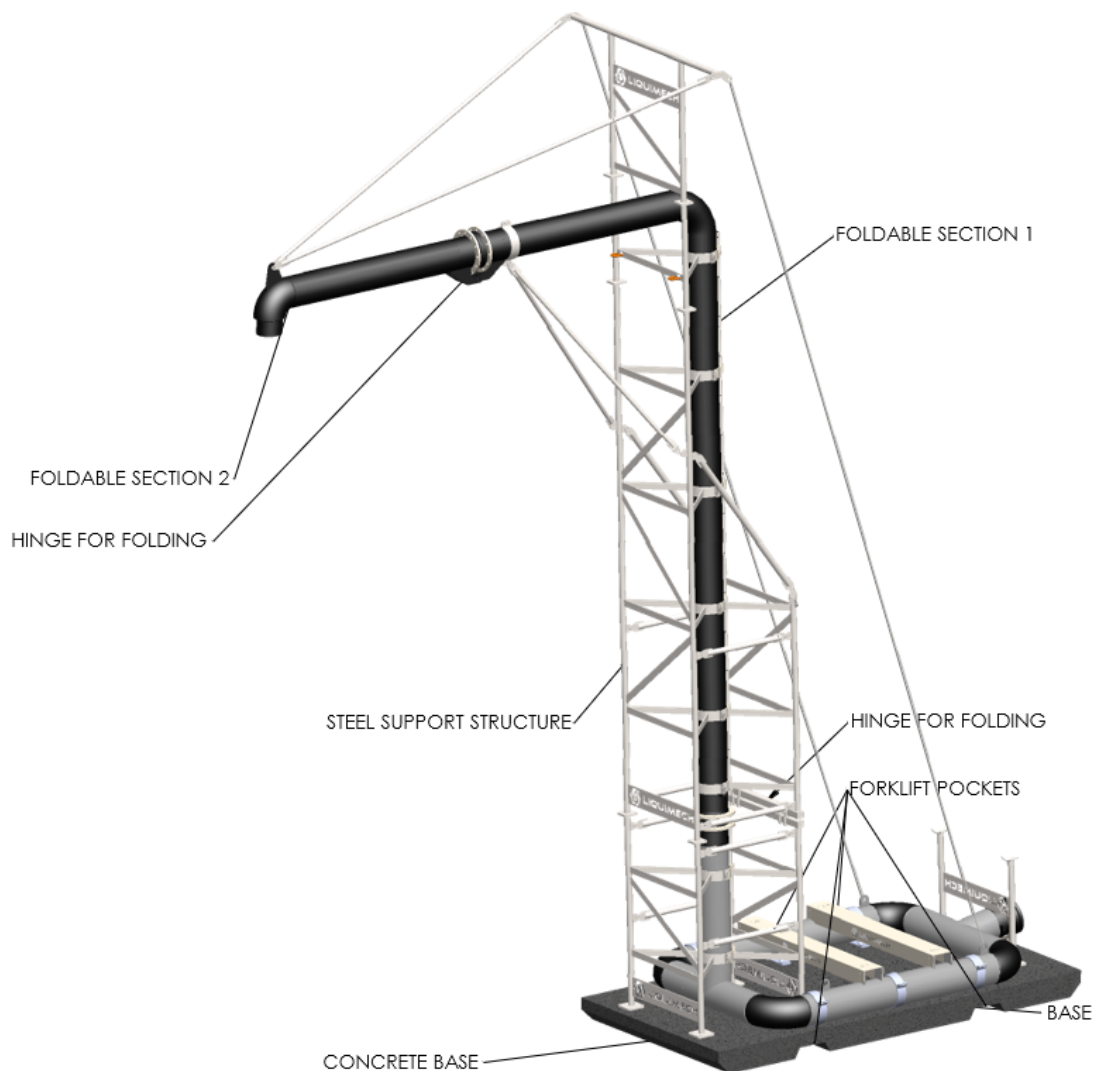
III. Pre-Installation Preparation

Prior to commencing installation, confirm that the foundation pad is level, compacted, and capable of supporting the standpipe's total operational load. Ensure adequate drainage is in place to prevent undermining of the pad. Review the Lifting Plan and Installation Checklist before beginning any lifting activity.

IV. Standpipe Components

Refer to the annotated diagram below showing key standpipe components, including designated lifting lugs, non-lifting points, and fold mechanisms.

ISOMETRIC VIEW
UNFOLDED



LIQUIMECH HEAVY VEHICLE STANDPIPE

Installation Guide

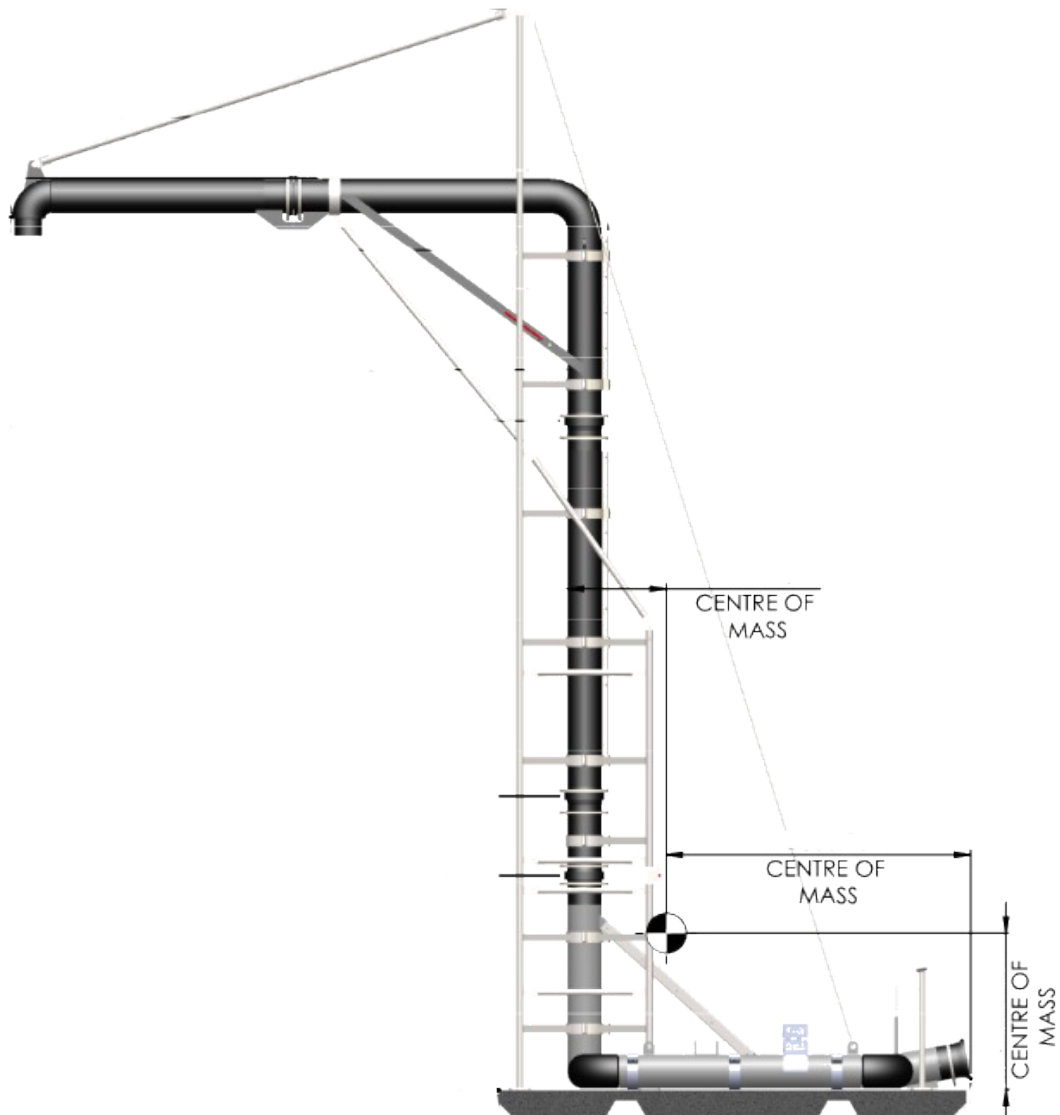


Only lifting lugs marked with the Liquimech lifting symbol are certified for vertical lifting operations.

V. Center of Mass

The standpipe's centre of gravity varies between folded and upright positions. Always lift using certified lugs as indicated on the lifting diagram. Ensure the rigging configuration maintains the unit's balance during the lift.

SIDE VIEW
UNFOLDED

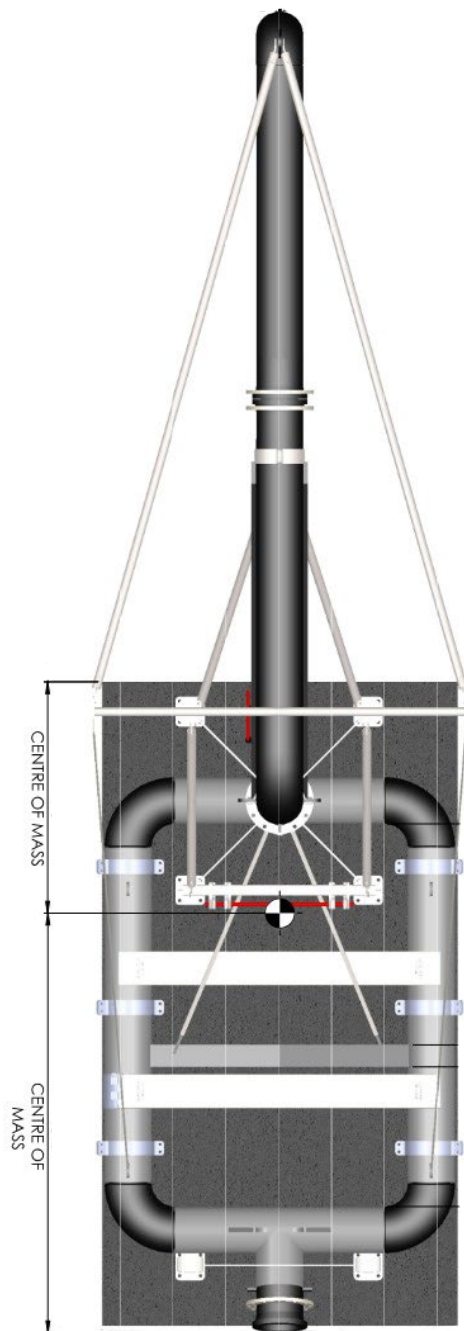


LIQUIMECH HEAVY VEHICLE STANDPIPE

Installation Guide



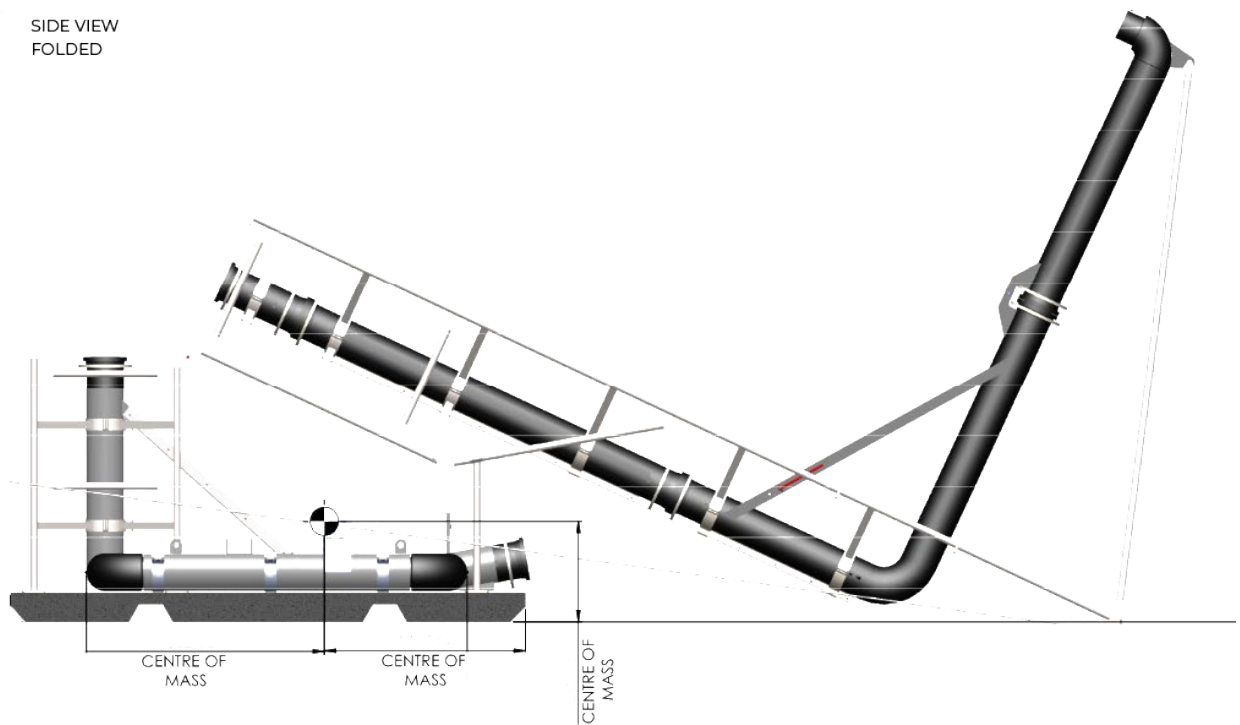
Do not lift from folded plate edges, hinges, or tie-down points. These are not structural lifting points.



LIQUIMECH HEAVY VEHICLE STANDPIPE

Installation Guide

SIDE VIEW
FOLDED



LIQUIMECH HEAVY VEHICLE STANDPIPE

Installation Guide

VI. Installation Steps

Follow the steps below to safely install the Heavy Vehicle Standpipe:

Step 1

Conduct a pre-lift inspection of all lifting lugs, bolts, and welds for any deformation or corrosion.



Step 2

Identify and use only Liquimech-certified lifting lugs for vertical lifting. Do not attach to hinges or gussets.



LIQUIMECH HEAVY VEHICLE STANDPIPE

Installation Guide

Step 3

Use a spreader bar or equalizing beam to maintain sling angles under 60°.



Step 4

Lift slowly and steadily, ensuring even tension across all slings.



LIQUIMECH HEAVY VEHICLE STANDPIPE

Installation Guide

Step 5

Position the unit on the prepared, compacted pad ensuring full contact at all base points.



Step 6

Verify the unit is level and stable before removing any lifting rigging.



Lifting Responsibility: Liquimech provides general guidance only. All lifts must be carried out under a project-specific lifting plan prepared and signed by a competent person. Liquimech accepts no liability for damage or injury resulting from improper lifting practices.

LIQUIMECH HEAVY VEHICLE STANDPIPE

Installation Guide

Lifting Disclaimer and Responsibility Statement

All lifting operations must be carried out in strict accordance with a project-specific **Lifting Plan** prepared, reviewed, and approved by a competent person **prior to any lift being undertaken**. The Lifting Plan must consider load weight, centre of gravity, rigging configuration, lifting equipment capacity, environmental conditions, and all relevant safety factors as required under applicable Australian Standards and workplace safety legislation.

Any **photos, images, or illustrations** provided by Liquimech Group Pty Ltd are for **general reference and informational purposes only**. They are **not intended to substitute for, or serve as, a lifting plan**. These images may depict lifting actions, equipment configurations, or setups used in past projects, but **do not constitute engineering advice or endorsement for any specific lift**.



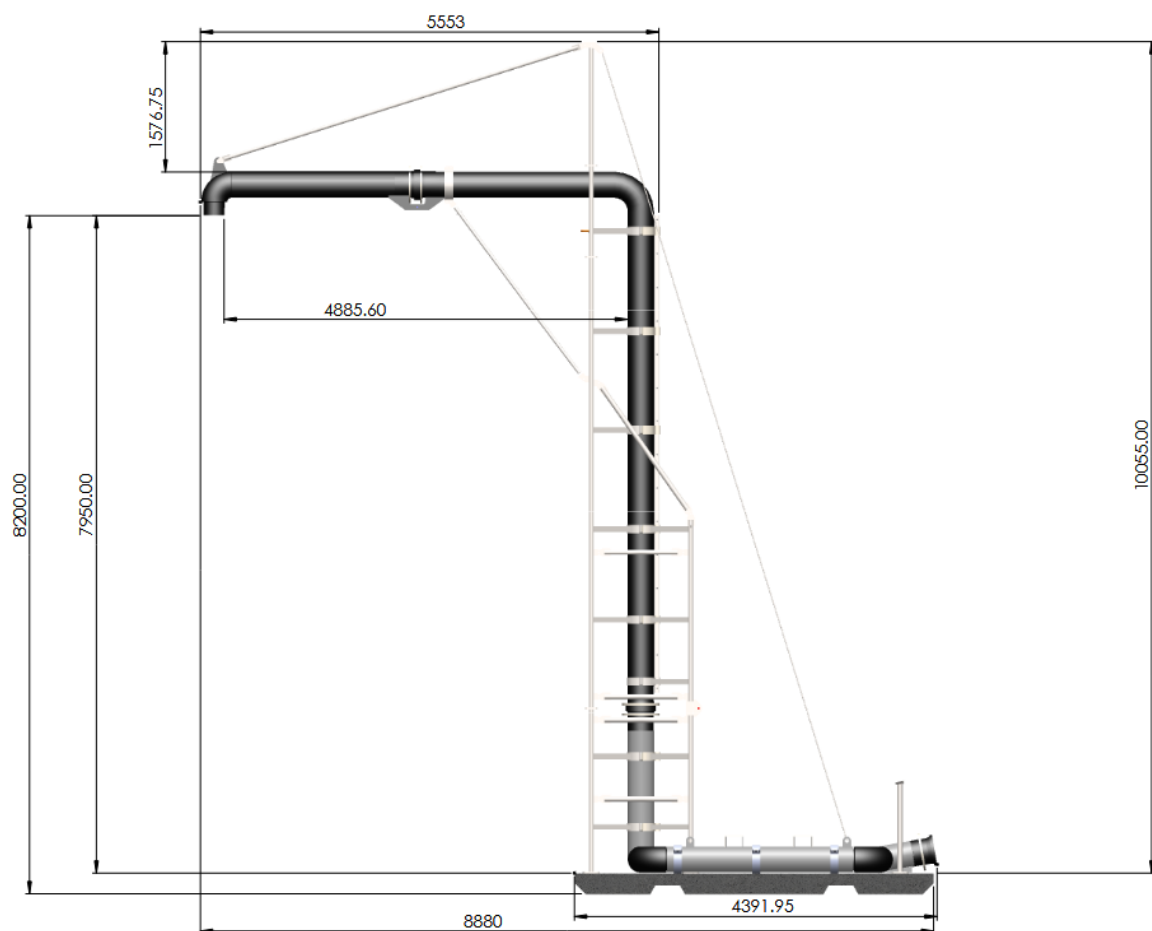
Liquimech Group Pty Ltd **assumes no liability or responsibility** for any loss, damage, injury, or incident arising out of or in connection with reliance on these photos or any other non-certified visual material provided. The **responsibility for safe lifting operations**; including planning, execution, and supervision; rests entirely with the appointed lifting supervisor and/or contractor performing the lift.

By proceeding with any lift, the contractor and/or responsible party **acknowledges and accepts full responsibility** for ensuring compliance with all safety requirements, lifting plans, and regulatory obligations.

LIQUIMECH HEAVY VEHICLE STANDPIPE

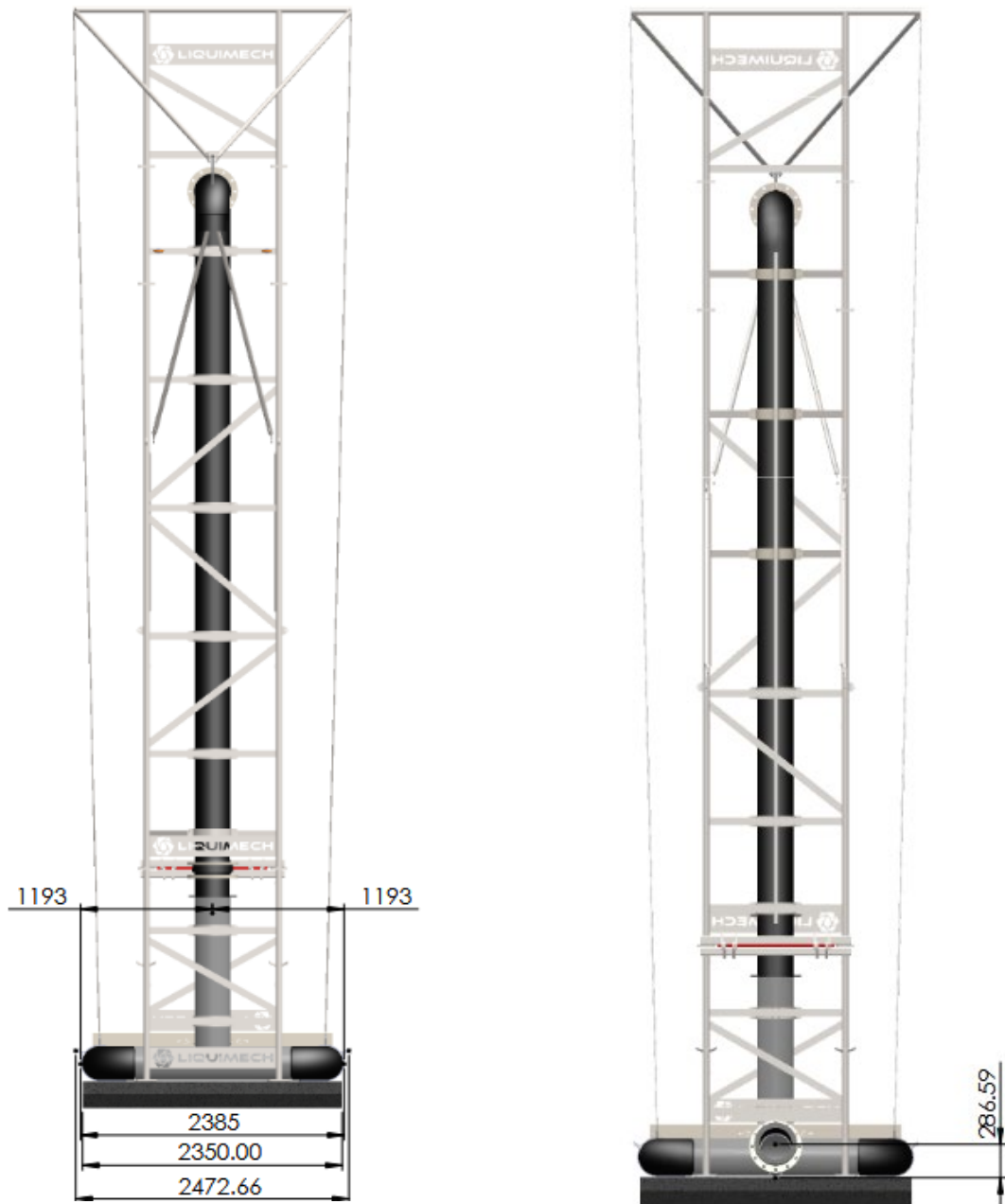
Installation Guide

SIDE VIEW
UNFOLDED



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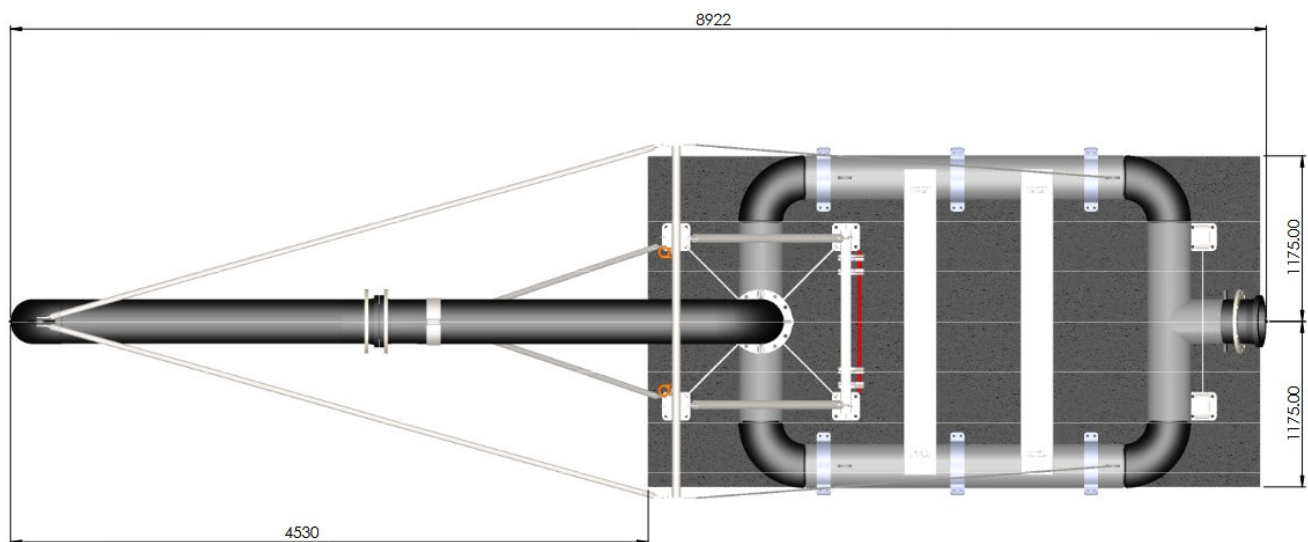
Installation Guide



LIQUIMECH HEAVY VEHICLE STANDPIPE

Installation Guide

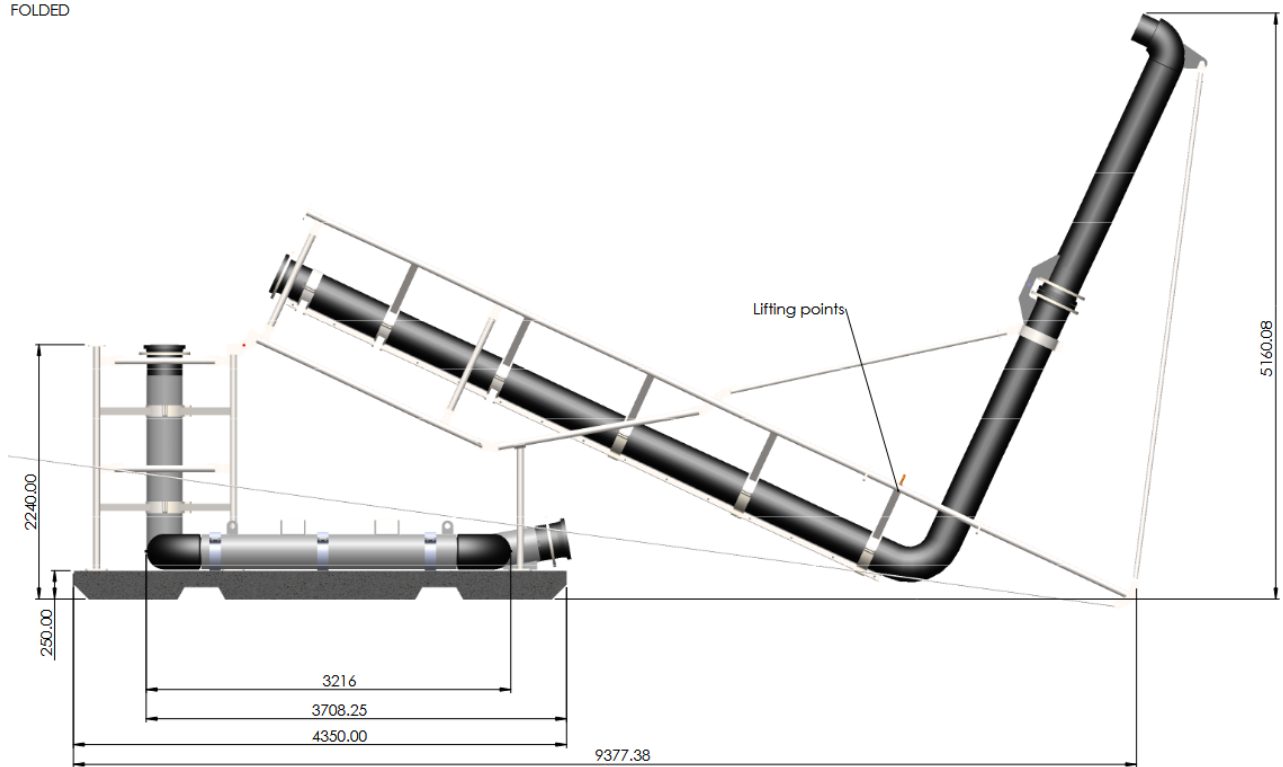
TOP VIEW
UNFOLDED



LIQUIMECH HEAVY VEHICLE STANDPIPE

Installation Guide

SIDE VIEW
FOLDED



LIQUIMECH HEAVY VEHICLE STANDPIPE

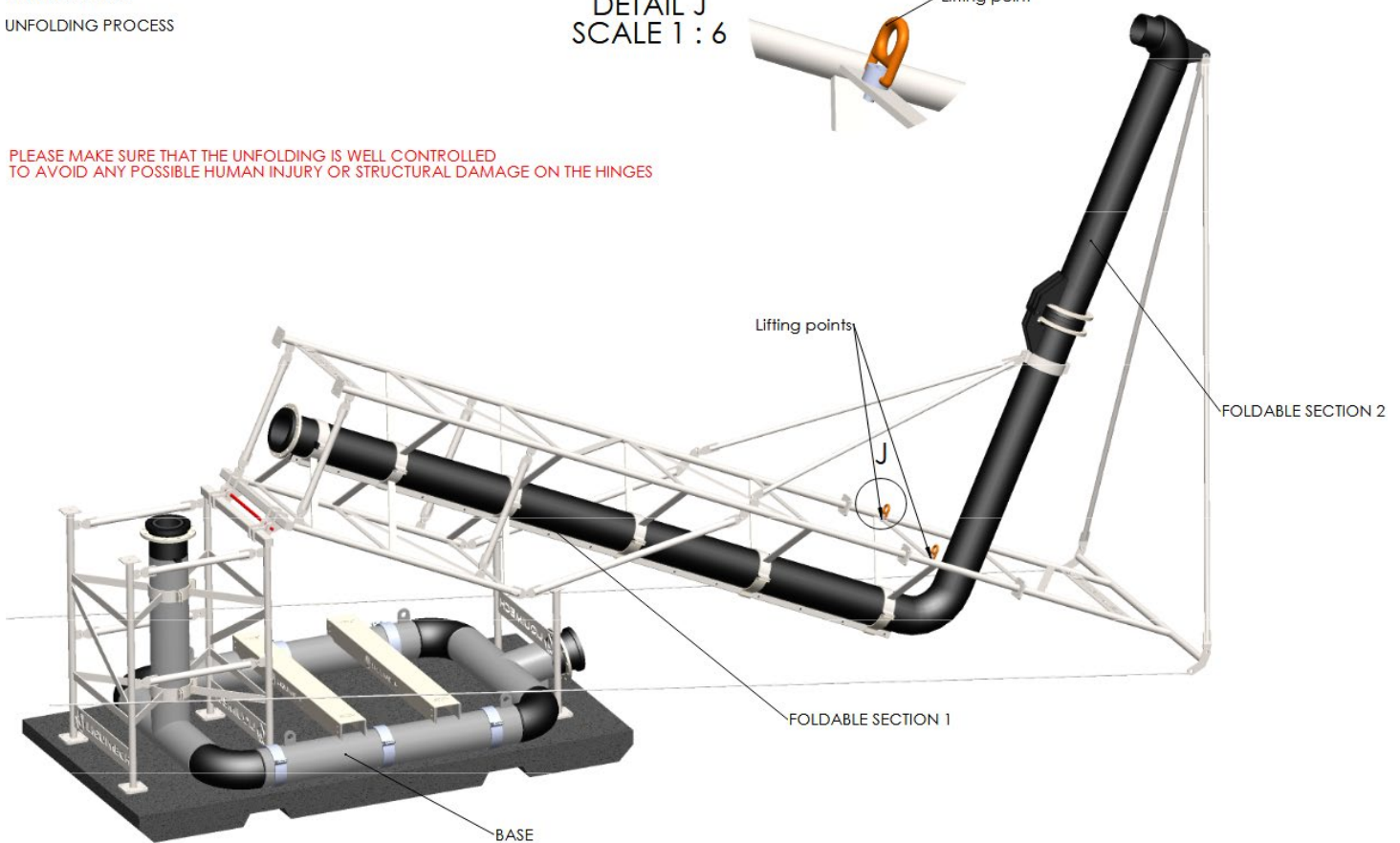
Installation Guide

ISOMETRIC VIEW
UNFOLDING PROCESS

DETAIL J
SCALE 1 : 6



PLEASE MAKE SURE THAT THE UNFOLDING IS WELL CONTROLLED
TO AVOID ANY POSSIBLE HUMAN INJURY OR STRUCTURAL DAMAGE ON THE HINGES



LIQUIMECH HEAVY VEHICLE STANDPIPE

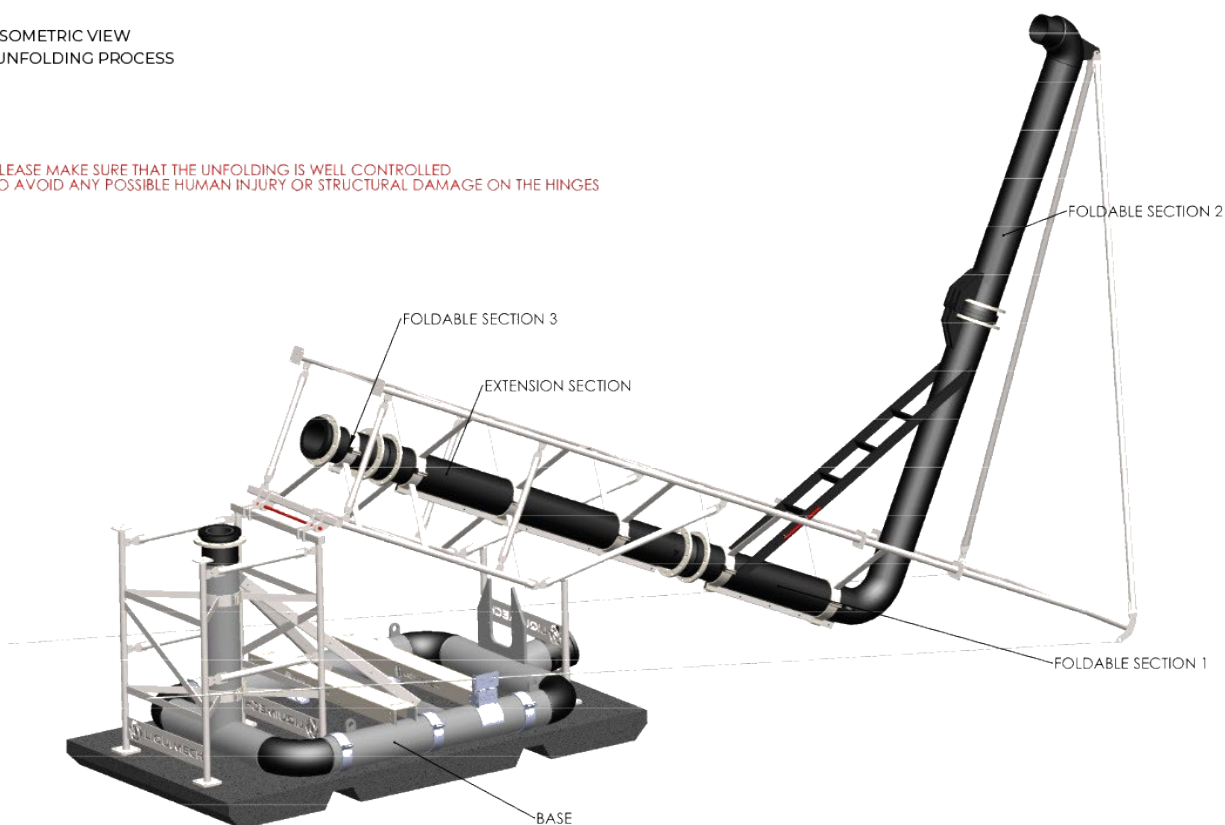
Installation Guide

VII. Unfolding Process

Once the unit is safely in place, the unfolding process can begin. Ensure the unit remains stable and restrained during this process. Do not rely on lifting lugs as restraint or anchoring points after placement.

ISOMETRIC VIEW
UNFOLDING PROCESS

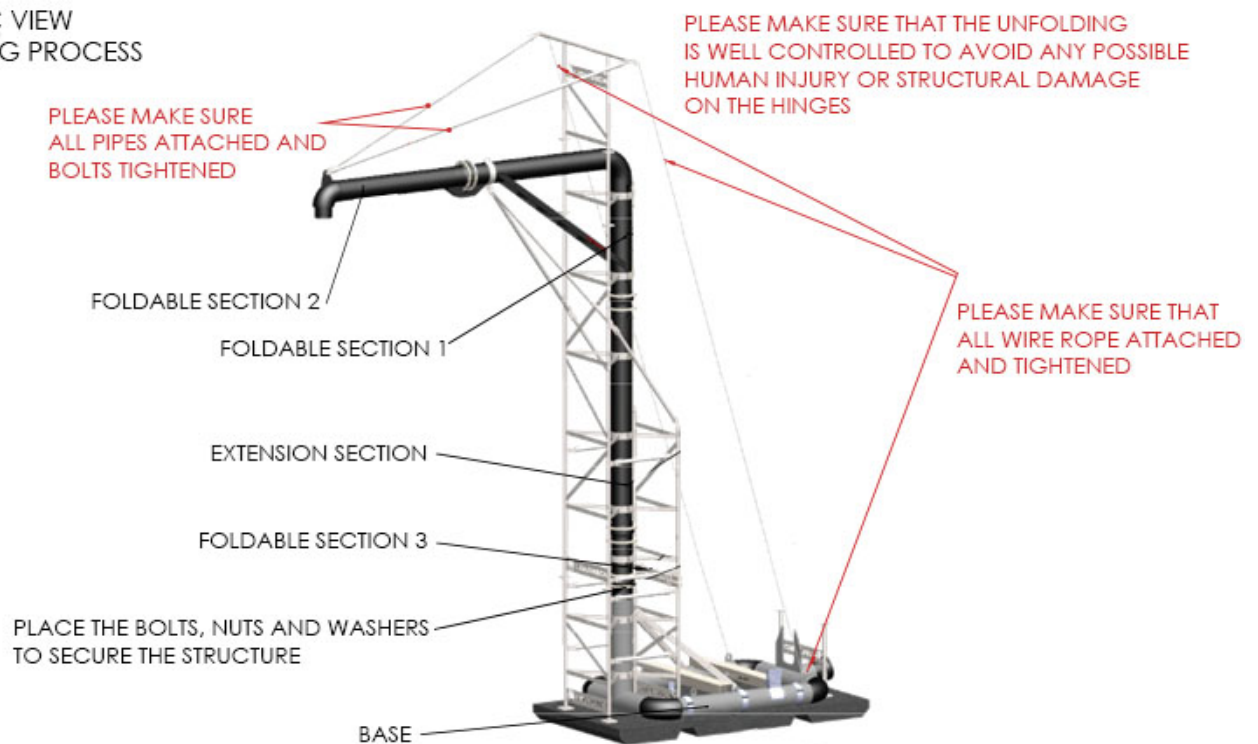
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LIQUIMECH HEAVY VEHICLE STANDPIPE

Installation Guide

ISOMETRIC VIEW UNFOLDING PROCESS



LIQUIMECH HEAVY VEHICLE STANDPIPE

Installation Guide

VIII. Warranty Conditions & Support

At Liquimech Group Pty Ltd, we are committed to delivering products that meet the highest standards of quality and reliability. Please refer to the Liquimech Warranty Conditions document for complete information on warranty terms, coverage, and claims procedures.

Liquimech provides a 12-month warranty from the date of dispatch. The warranty is void if the unit is lifted, installed, or operated contrary to Liquimech's installation guidelines or without adherence to a certified lifting plan.

The warranty will also be void if:

- ☐ The system is modified without Liquimech's written approval.
- ☐ Damage results from improper operation, lifting, handling, or maintenance.
- ☐ Liquimech was not involved in commissioning or calibration (if applicable).
- ☐ The product is not installed on a level, compacted, and load-bearing base.
- ☐ Certified lifting points were not used during installation.

Appendix A – Installer Checklist & Sign-Off

- ☐ Ground compacted and level.
- ☐ Drainage provided.
- ☐ Certified lifting lugs used.
- ☐ Spreader bar used with sling angles < 60°.
- ☐ Unit stable before removing rigging.
- ☐ Unfolding completed safely.

Appendix B – Legal Disclaimer & Indemnity Statement

Liquimech Group Pty Ltd accepts no responsibility for damage, injury, or loss arising from incorrect lifting, installation, or operation of any standpipe. All responsibility for lifting, rigging, and installation rests solely with the client, site contractor, and appointed lifting supervisor.



You Define, We Design



To discuss your unique operational, technical and budgetary requirements

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