DRYLOO

INSTALLATION MANUAL

AUS | NZ

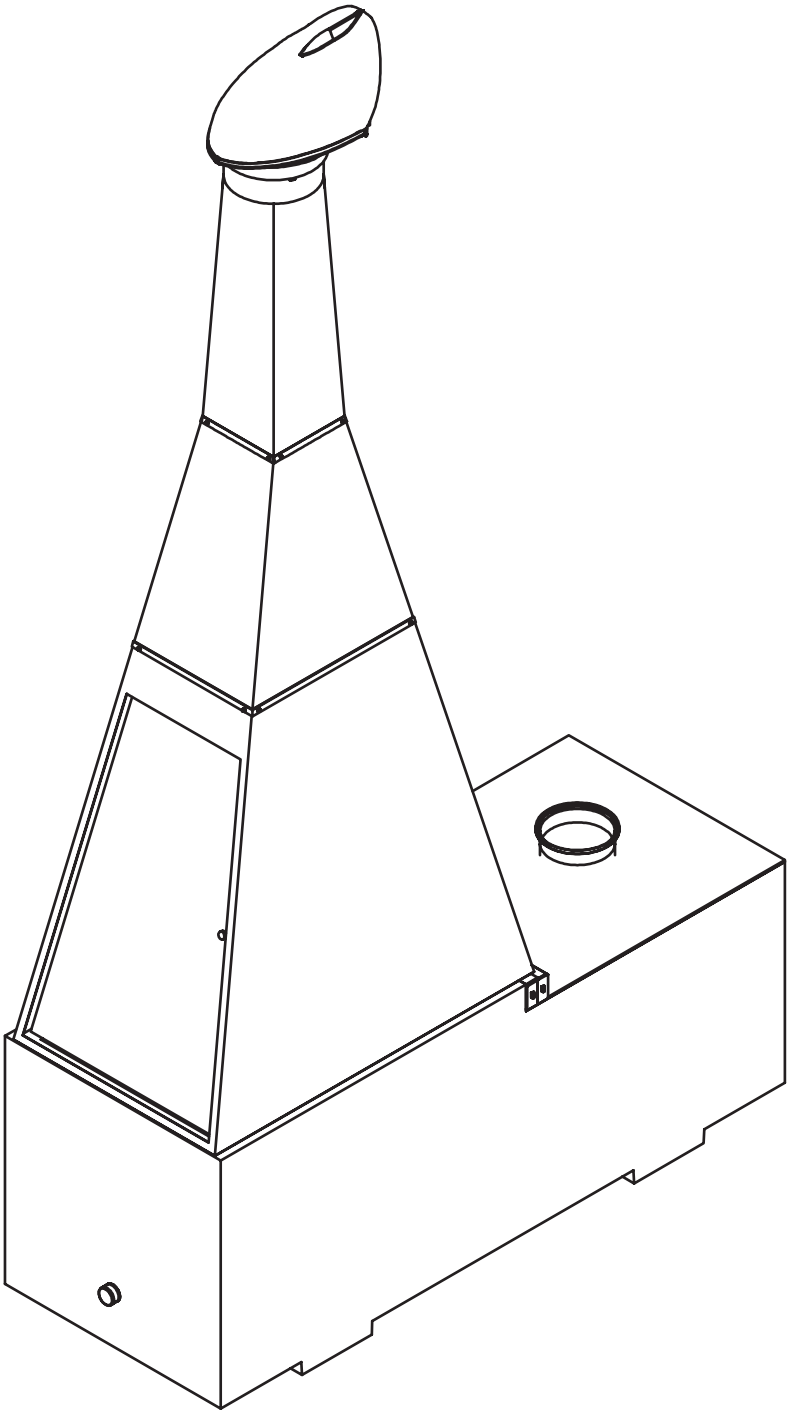
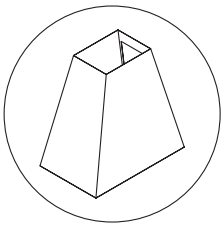
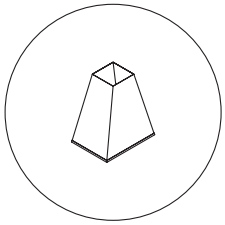
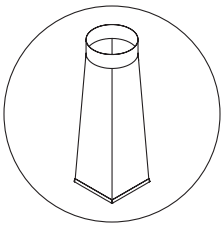


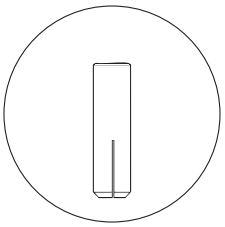
TABLE OF CONTENTS

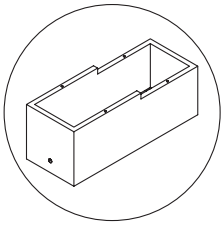
COMPONENTS

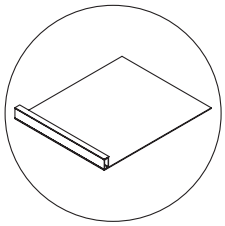

1 x Flue Base

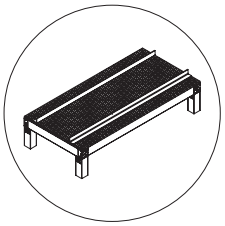

1 x Flue Mid

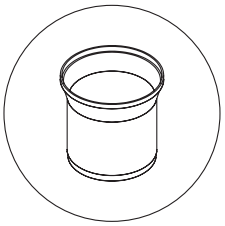

1 x Flue Top

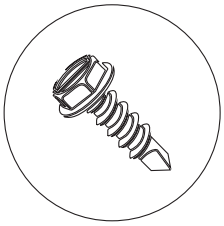

6 x M8x30 Anchor Bolts

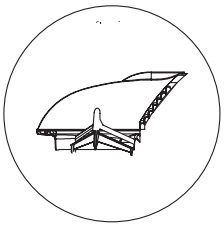

1 x Concrete Chamber

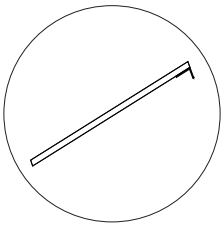

1 x External False Floor

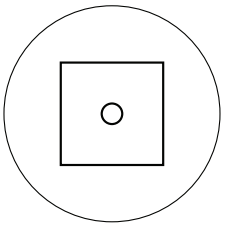

1 x Internal Long Floor

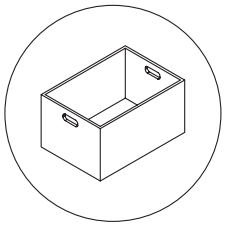

1 x Chute

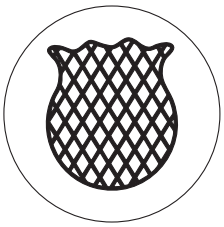

24x Metal Screws with NEO Washer

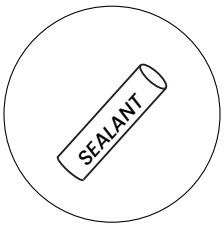

1 x Skyvent with screws


1x Hook

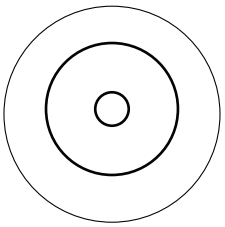

6x FRP Packer Washer

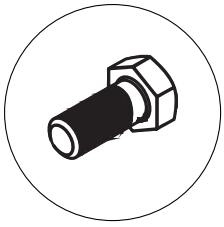

3x Baskets


3x Mesh Bag

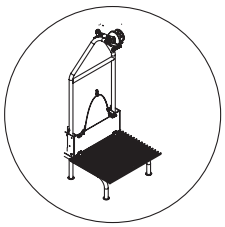


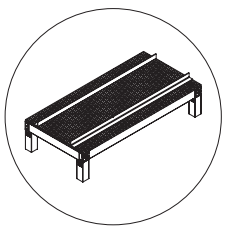
2x Silicone Sealant Tubes

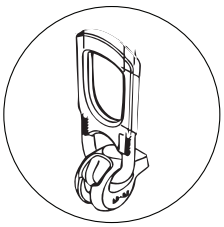

6x D3 M8 washers

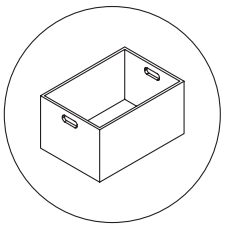

6x M8X30 BOLTS

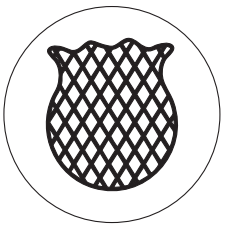
Optional Extras


1X Lift with break winch


1 x Internal Short Floor


4x Lifting Clutch


Extra Basket

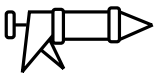

Extra Mesh Liner

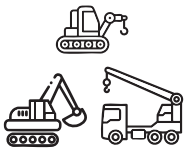
TOOLS REQUIRED


Screwdriver (Philips/plain)


Spade


Spirit Level


Caulking gun


Lifting Machine
(Crane, Franna or Excavator)

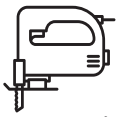

Scissors/Knife


Drill (with hammer function)

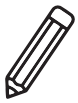

M10 Masonry Bit


Hammer


Ladder


Jigsaw with diamond blade


Tape Measure

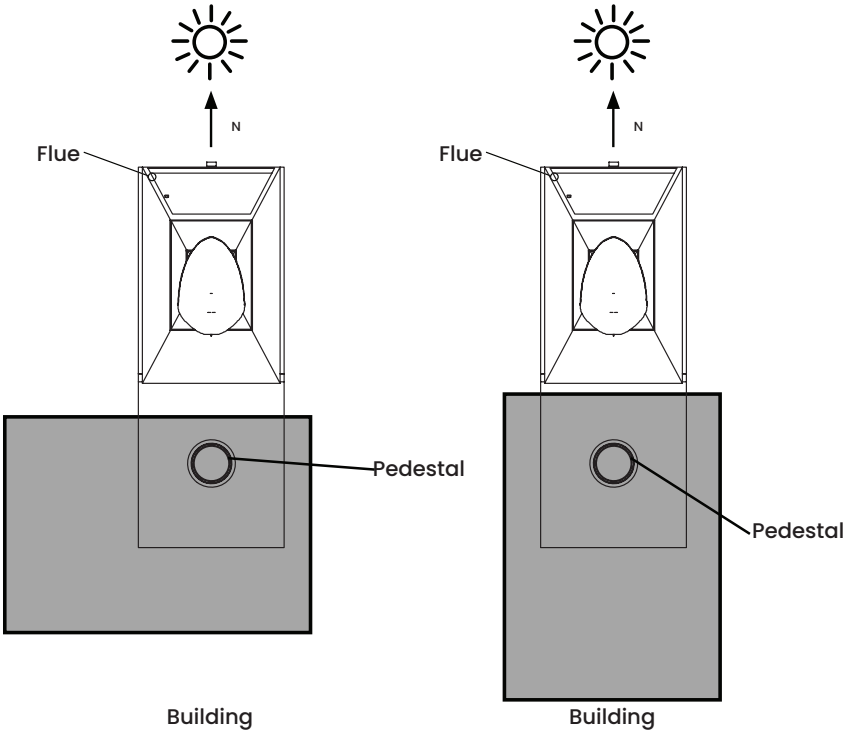

Marker


PPE

SITE CONDITIONS

Ensure the DryLoo has full sun availability during the winter and summer months and is not covered or shaded by trees or other surrounding structures. As the flue on the back of the DryLoo is black, it will absorb heat from the sun. **It is recommended that the rear flue faces north to receive the most heat throughout the day.** Alternatively East or West are acceptable. **At no point should the tank be installed facing South.**

N	✓ ✓ ✓	
W	✓ ✓	
E	✓ ✓	
SW	✓	Not Ideal
SE	✓	Not Ideal
S	✗	Not Possible



The DryLoo can be installed on the rear or side of the building

AUTHORITY APPROVAL

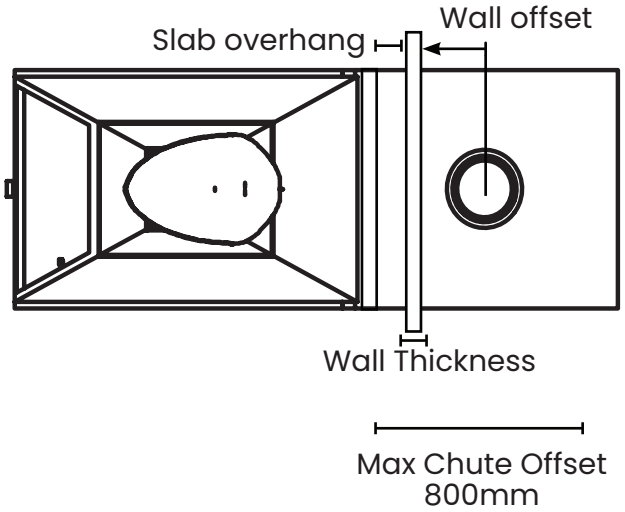
Prior to commencing excavation and installation of the DryLoo chamber, all necessary approvals must be obtained from the relevant local authorities. This includes, but is not limited to:

- Planning and Building Permits: Ensure compliance with local council regulations regarding on-site wastewater systems.
- Environmental Considerations: Verify requirements related to groundwater protection, drainage, and soil conditions.
- Dial before you dig ensure there are no underlying pipework in the planned area.
- Health and Safety Compliance: Adhere to Work Health and Safety (WHS) guidelines for excavation and confined space entry.

TANK CHUTE LOCATION

- Depending on the type of pedestal used the offset from the DryLoo will differ depending if it is taken from the rear wall or side wall. Please see that specific pedestals floor template provided for rear wall offset. Installations may need to comply with specifics found in AS1428.1 Design for Access and Mobility for pedestal locations from the side wall and rear wall.

Note: Maximum chute offset distance is 800mm from the front of the flue to the centre of the chute.

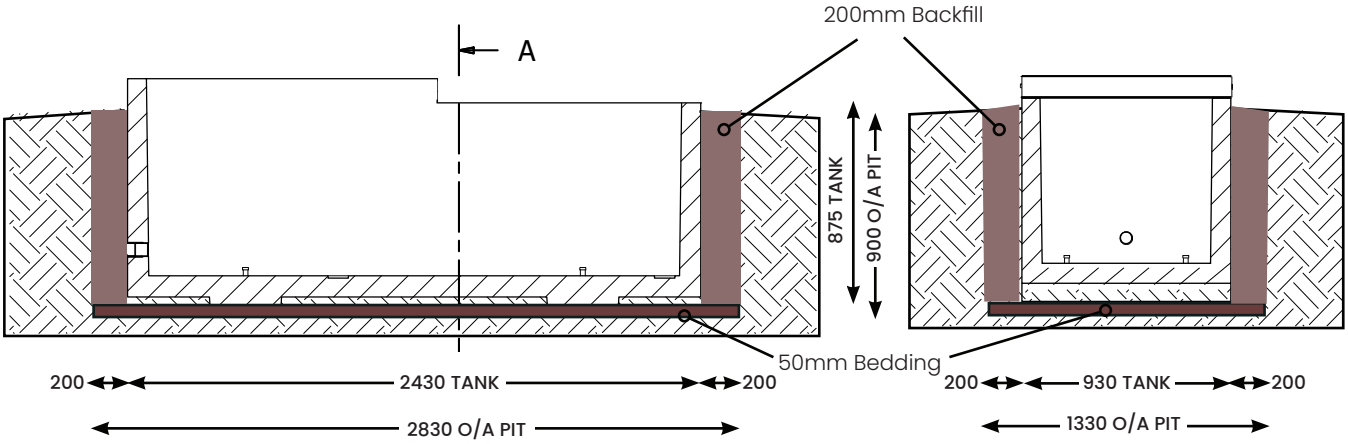


Commercial accessible installations; must meet AS1428.1 Design for Access and Mobility requirements.

HOLE SIZE AND TANK SUPPORT

The tank can either be buried or placed on the ground depending on the site.

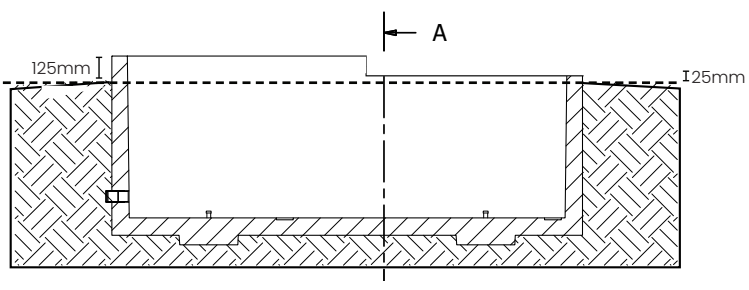
- The weight of the concrete chamber is 1.55 Tonnes ensure your digger, crane or excavator is capable of lifting the chamber into the pit via the lifting points using lifting clutches (optional extra) or slings (not provided).
- A layer of crusher dust or bedding sand 50mm thick along the base to ensure the chamber is level.
- 200mm of clean backfill is to be placed around the chamber.

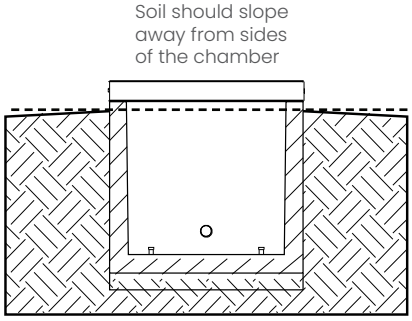


SURROUNDING EARTH WORKS BEFORE POURING SLAB

The ground surrounding the rear of the chamber should be 25mm lower than the lowest level of the chamber and 125mm from the rear edge. The surrounding earthworks should slope away from the chamber. This is to ensure water does not pool or enter the chamber.

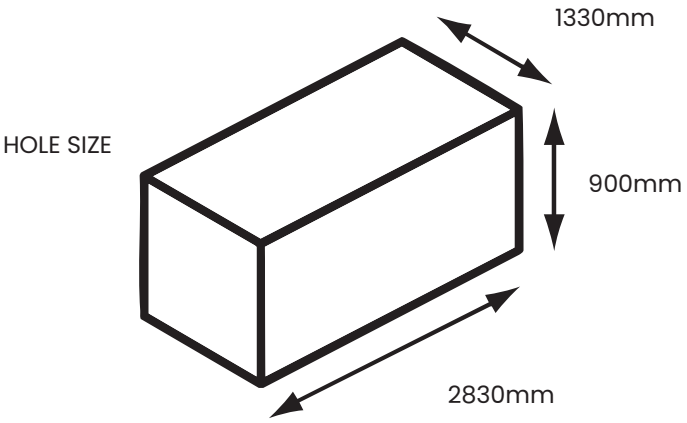
The final soil level surrounding the rear of the chamber needs to be 125mm below the rear edge of the chamber.



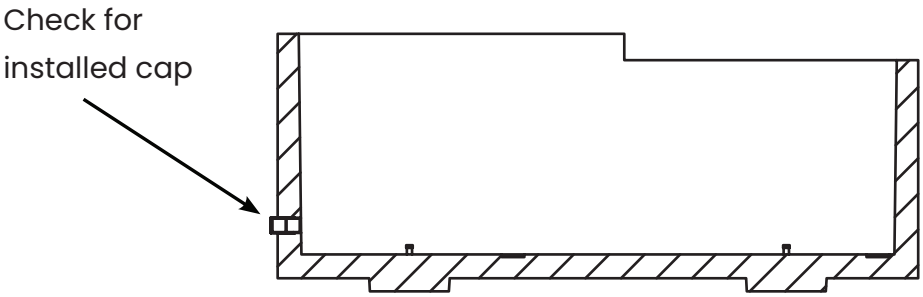


INSTALLING THE CHAMBER

1 Dig hole for chamber

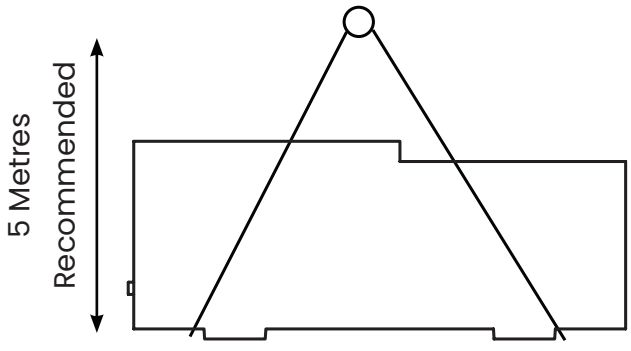


2 Check chamber is free from defects and ensure drain hole is plugged unless there is an additional run off system (such as a discharge pump well).

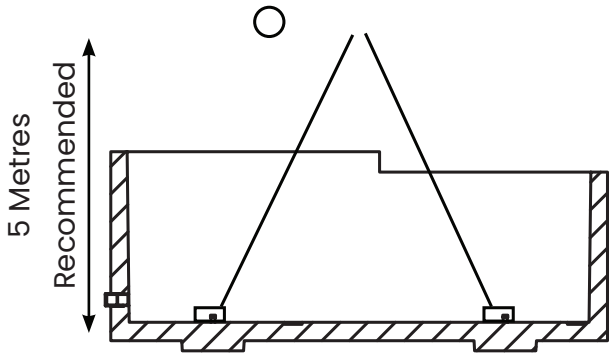


3 Lift into place following the lifting options below, all lifting should be done in accordance with AS3850 and handled by a slow moving Franna or similar which is capable of lifting the chamber weight with a safety factor of 2.25. Once in place follow Backfill information on page 4.

Chamber Weight when empty: 1.55 Tonnes



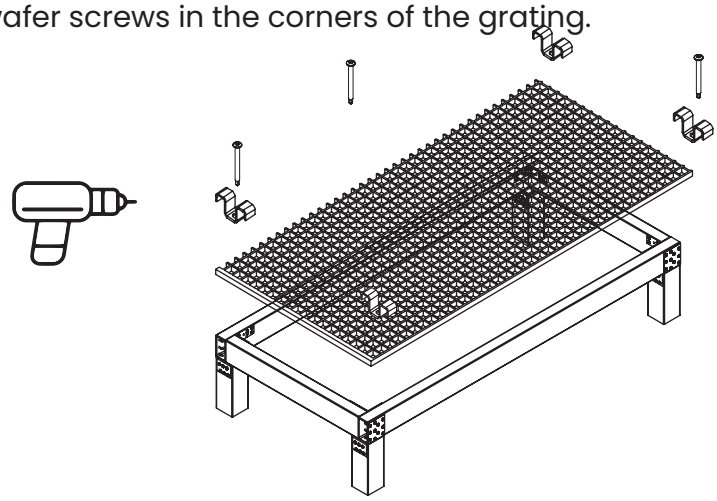
A **-Soft Slings 2.5 Tons, 5 meters minimum with Lifting Ring**
Installer needs to provide



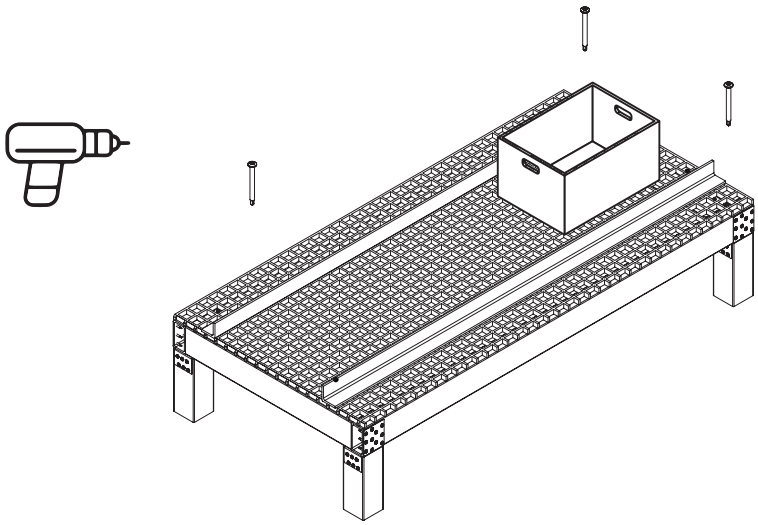
B **-4x Lifting Clutches 2.5 Tons**
Optional purchase
-Sling 5 meters minimum with Lifting Ring
Installer needs to provide

INSTALLING THE INTERNAL FALSE FLOOR

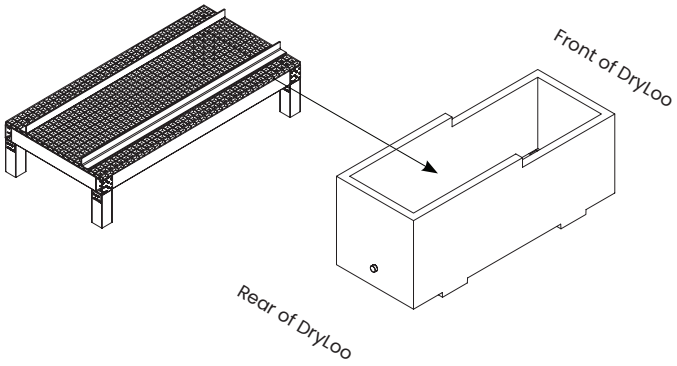
1 Assemble the internal false floor, fastening the grating onto the frame using 4x M clips and wafer screws in the corners of the grating.



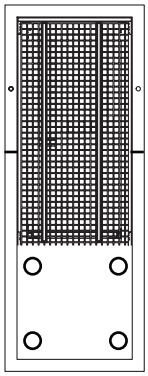
2 Fasten equal angle basket guides to false floor using 4 x wafer screws into floor frame. The centre of the basket should be in line with the centre of the chute. Install the guides on either side.



3 Slide internal false floor into chamber. Push to front of chamber.



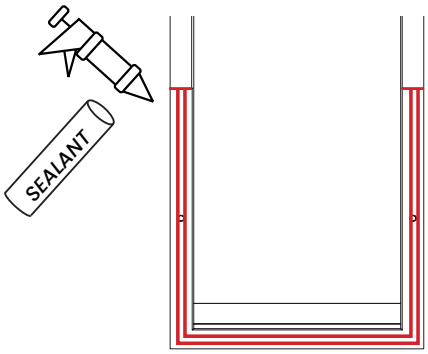
If you purchased the additional Stainless Steel Lift it has a smaller floor as shown.



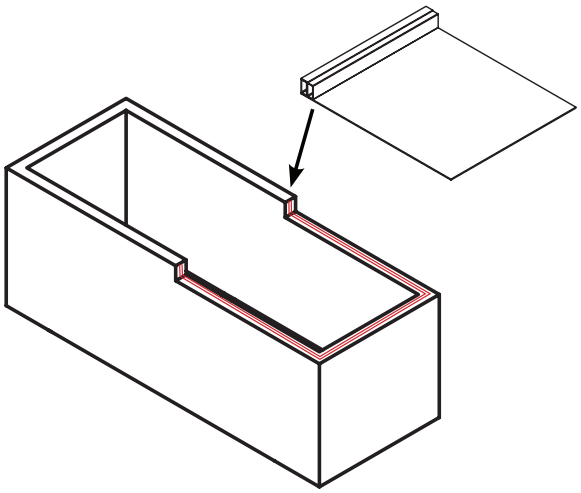
Note: The shorter floor will drop into the locating indents on the floor of the chamber. The long floor will be slightly higher on one side to make up for the locating indents on one side of the chamber.

INSTALLING THE EXTERNAL FALSE FLOOR

1 Apply a double Silicone bead to top face and side edges of the chamber; place external false floor. Seal internal and external edges.

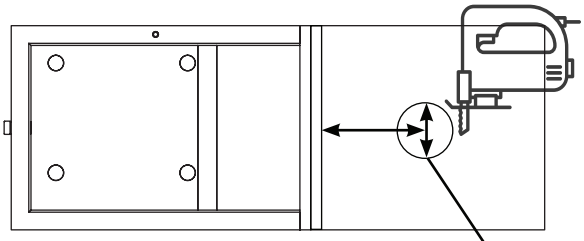


*Internal grating floor not shown



After placing the false floor; clean up any residual and reapply a bead around all edges. This should be done to form a watertight seal.

2 To find the centre of the chute hole measure intended **slab overhang + overall wall thickness + pedestal offset** (either from side wall or rear wall depending on installation). Mark hole on the FRP plate and cut with a jigsaw.



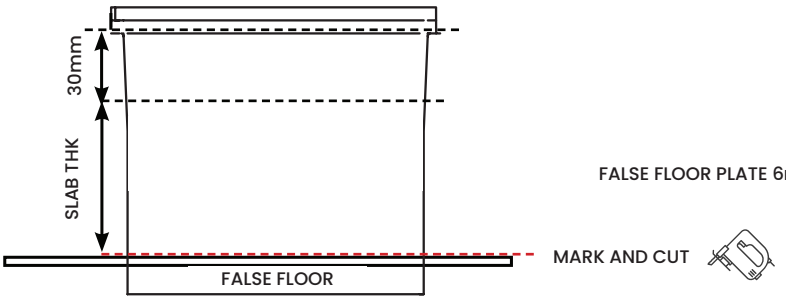
*Internal grating floor not shown

Location dependent on type of pedestal and location of rear wall. Refer to AS1428.1 if accessible toilet and specific toilet mounting instructions.

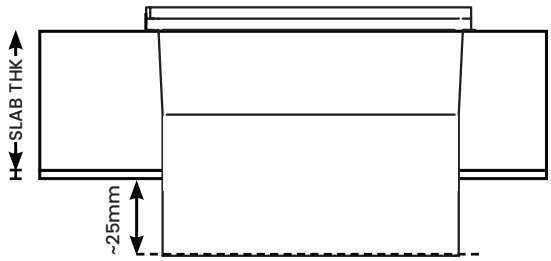
Chute Hole Diameter 239mm

3 Place chute in the hole and raise the underside lip of the chute an additional 30mm above the slab thickness. Mark along the floor level and cut at mark. Place the chute back into the hole and prop the underside lip of the chute so it sits on the finished floor height. There should be about 25mm below the false floor plate.

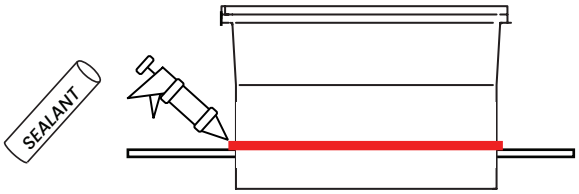
CUTTING CHUTE



FINAL INSTALL HEIGHT

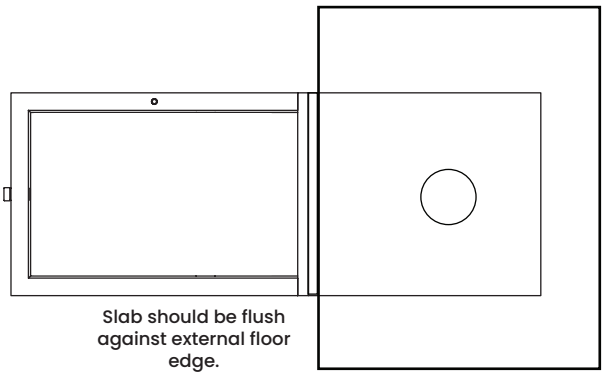


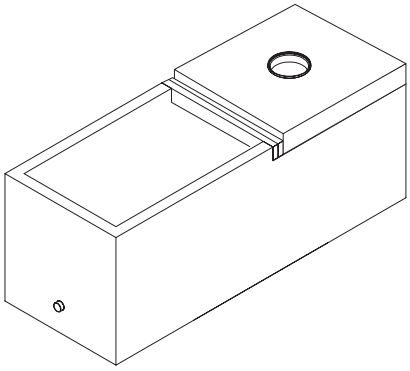
4 Silicone around the chute and chute hole to help keep it in place and seal any gaps.



POUR SLAB

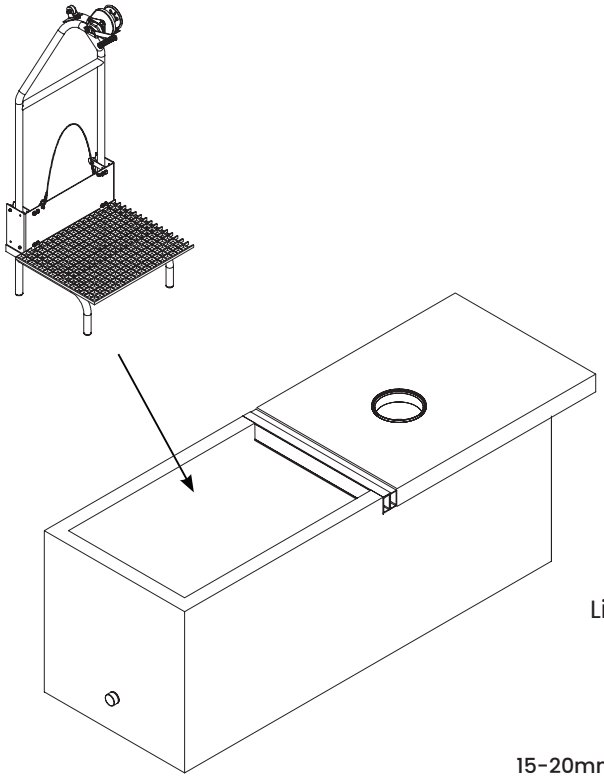
1 Form up around the floor area and pour the concrete slab for building pad. To site specific slab height and engineers requirements.

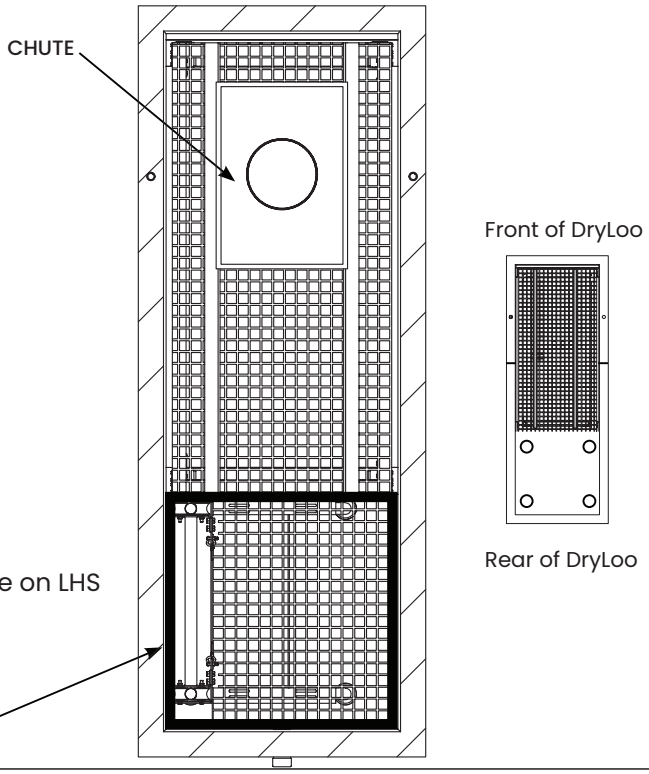




LIFT INSTALLATION (IF PURCHASED)

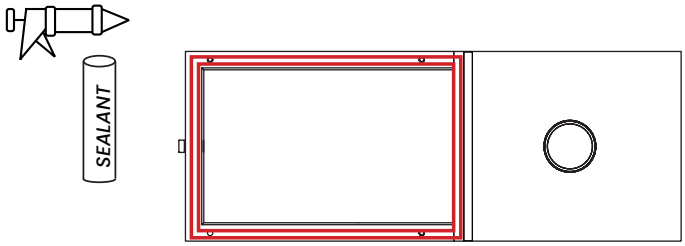
1 Place Lift into DryLoo chamber with the carriage on the left hand side. Allow a 15 - 20mm gap around each side. Ensure the floor raises and lowers without clashing with the edge of the chamber or internal floor.



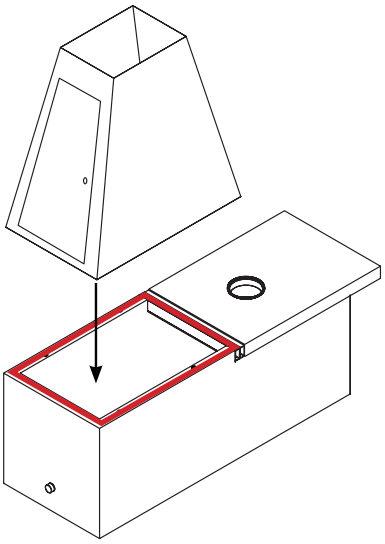


INSTALLING THE FLUE

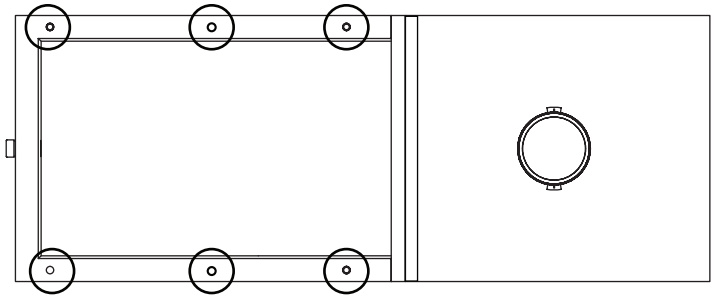
1 Apply a double Silicone bead to top face and place the flue base on top.



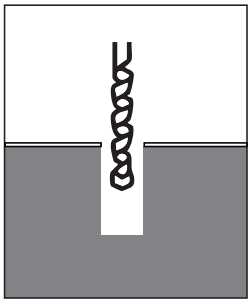
*Internal grating floor
not shown



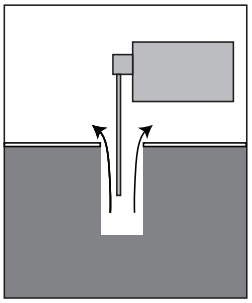
2 Drill 6x holes through the flue into the chamber on either side for the 30mm anchor bolts.



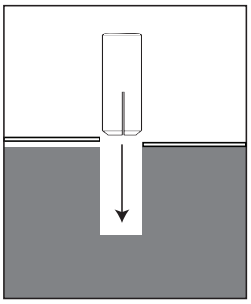
Top View
*Internal grating floor
not shown



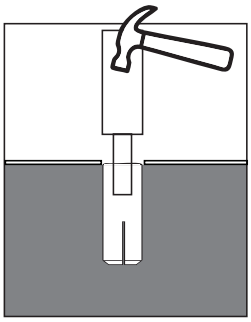
Drill M10x30mm
Deep Hole



Evacuate dust with vac or
compressed air

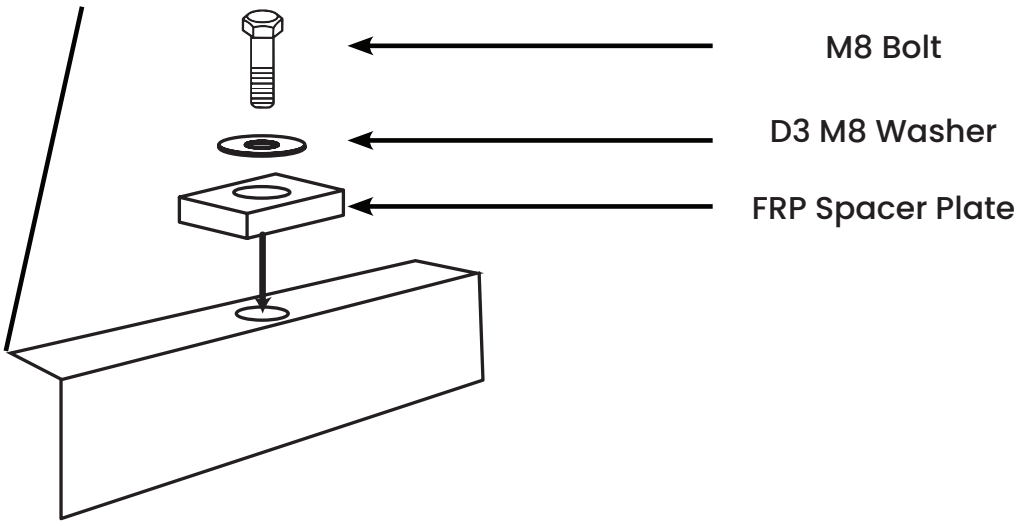


Insert Drop in Anchor Bolt



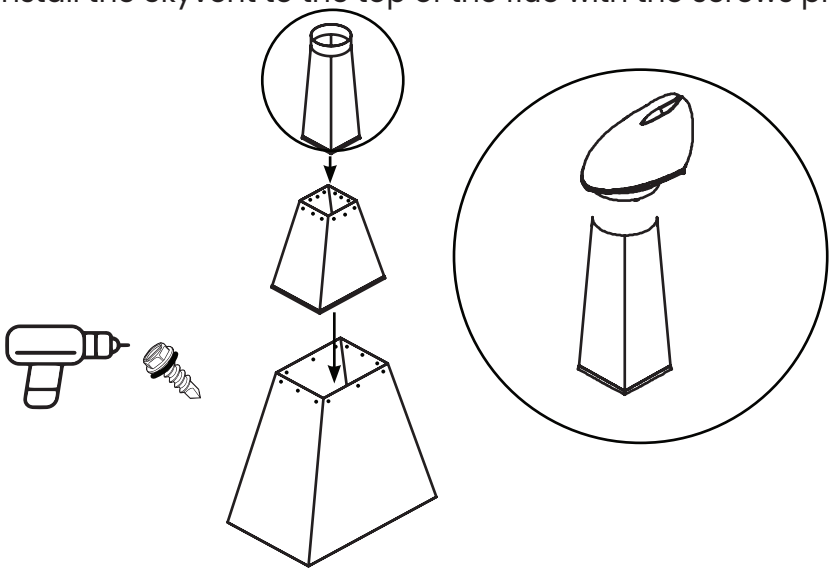
Hammer with setting tool

3 Fasten the flue to the concrete chamber using the x6 drop in anchors.



After fastening the base of the flue; clean up any residual silicone and reapply a bead around all chamber edges if required. This should be done internally and externally to form a watertight seal.

4 Assemble remaining flue sections using 3x NEO Hex Flange self drilling screws per side. Install the Skyvent to the top of the flue with the screws provided in the box.



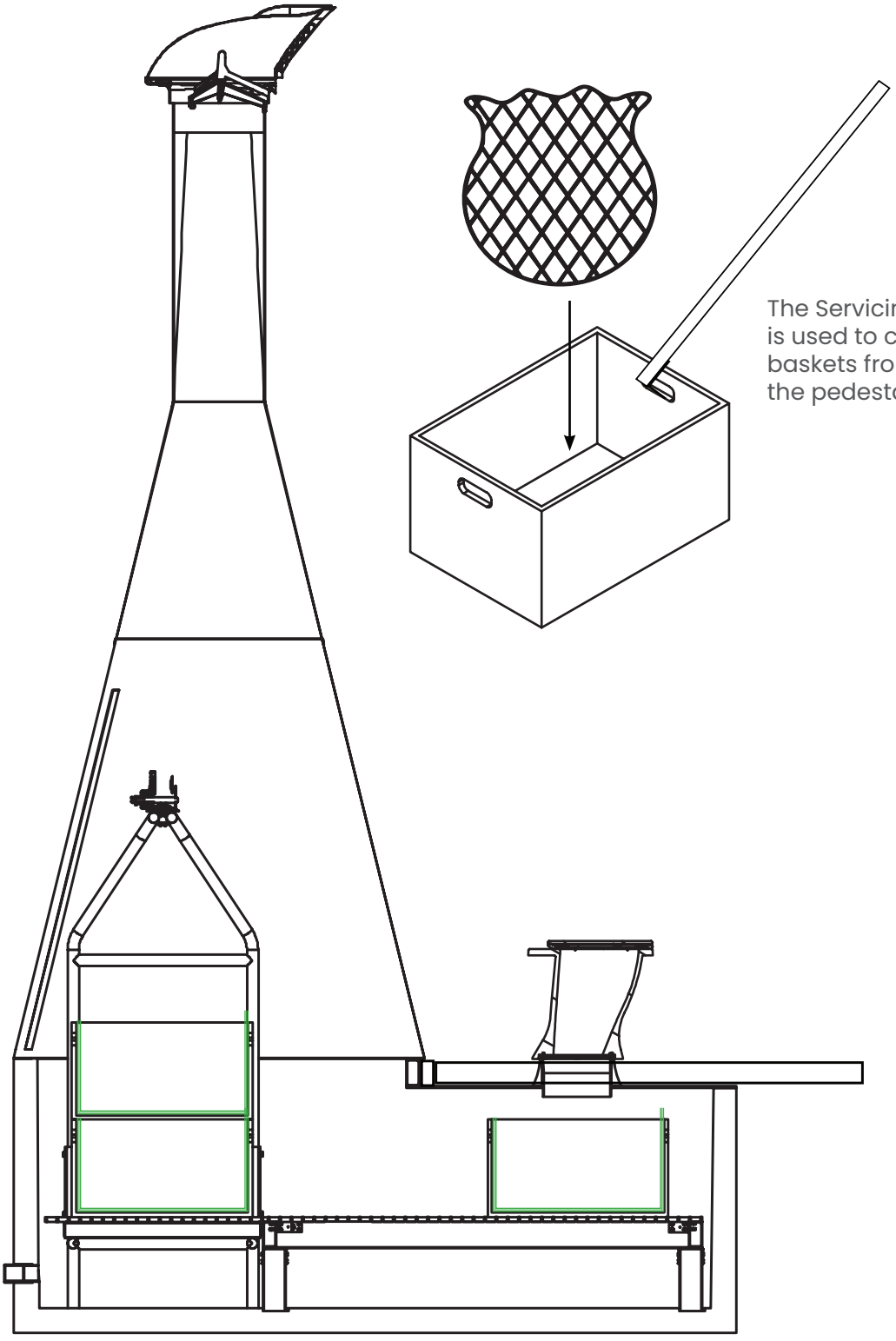
A temporary platform may be required to install the higher parts of the flue.

INSTALLING THE PEDESTAL

1 Follow mounting instructions provided with the pedestal to install onto the slab.

INSTALLING THE BASKETS

1 Install 3x baskets with mesh liners; and place them in the operating position as shown below.



The Servicing Hook is used to collect baskets from under the pedestal.

If purchased: Winding the winch will raise and lower the floor.

Alternatively: The baskets can be manually lifted out of the chamber.

DRYLOO

For questions or more information
visit our website or submit a help ticket
help.ecoflo.com.au

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