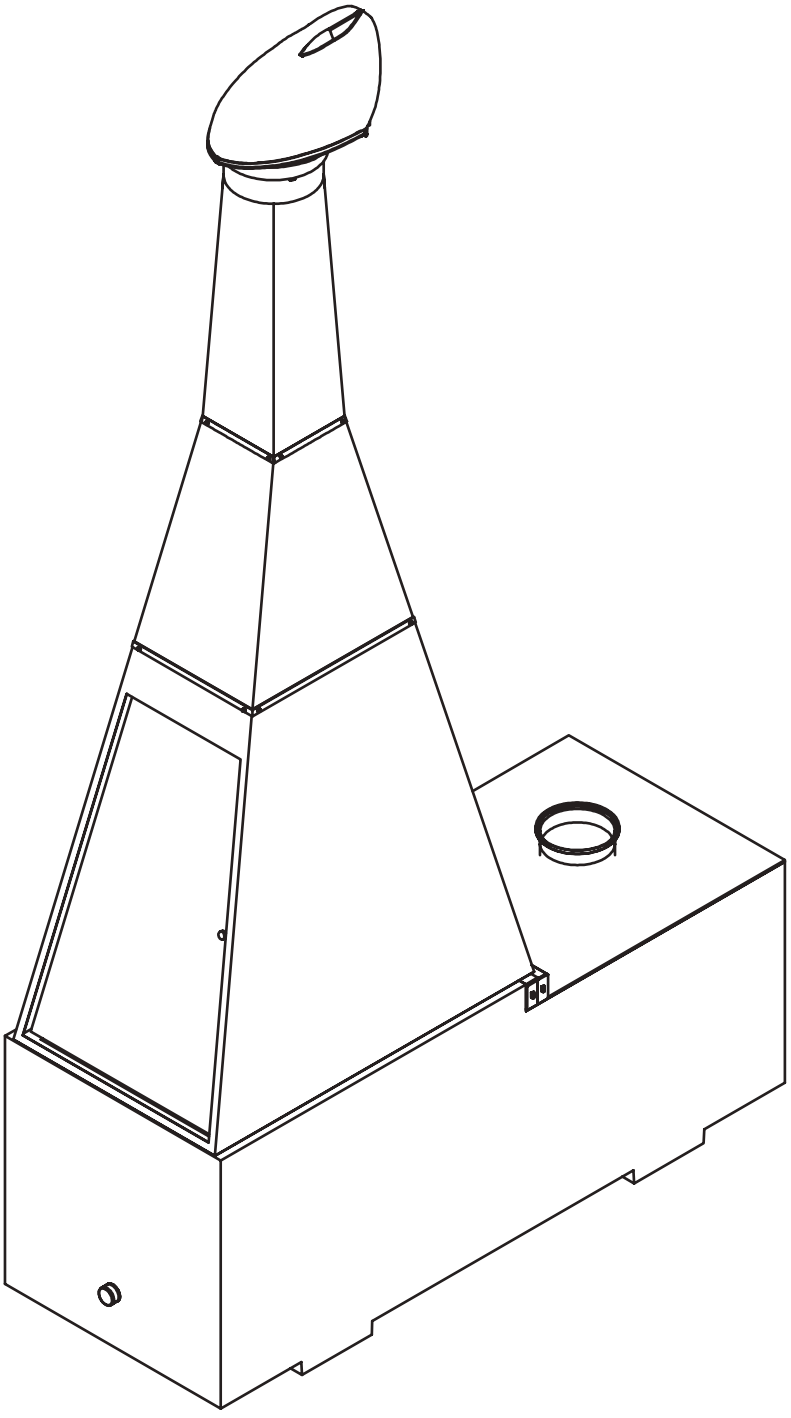
DRYLOO

INSTALLATION MANUAL

AUS | NZ



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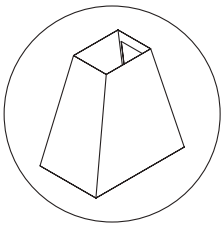
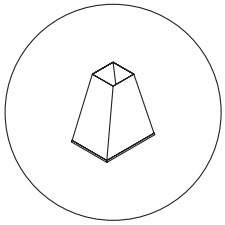
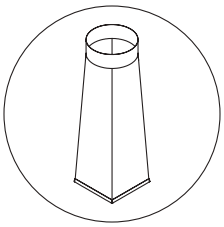
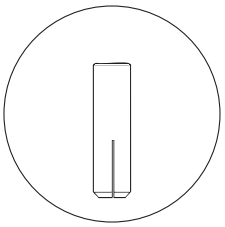
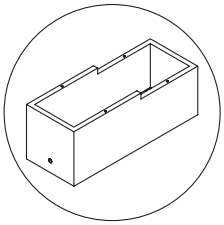
COMPONENTS

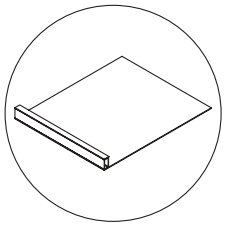

1 x Flue Base

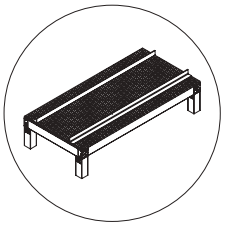

1 x Flue Mid

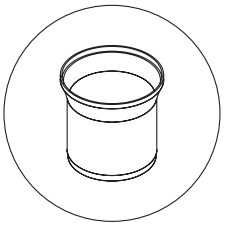

1 x Flue Top

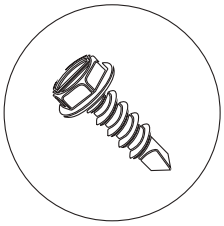

6 x M8x30 Anchor Bolts

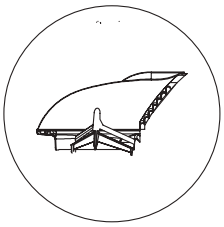

1 x Concrete Chamber

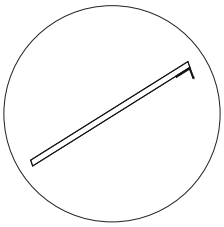

1 x External False Floor

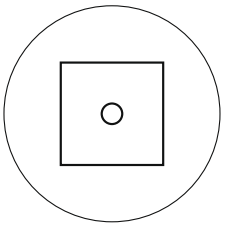

1 x Internal Long Floor

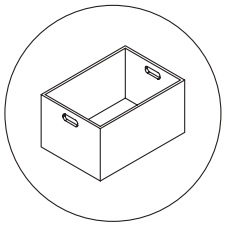

1 x Chute

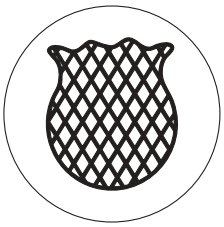

24x Metal Screws with NEO Washer

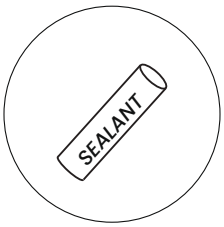

1 x Skyvent with screws


1x Hook

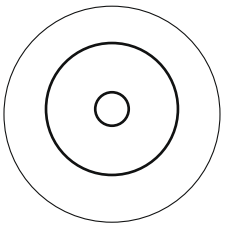

6x FRP Packer Washer

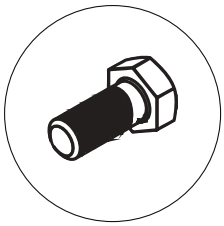

3x Baskets

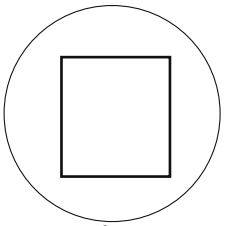

3x Mesh Bag

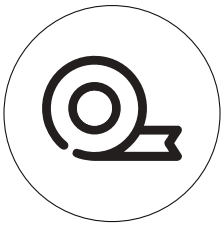


2x Silicone Sealant Tubes

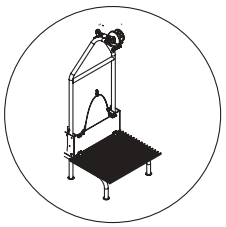

6x D3 M8 washers


6x M8X30 BOLTS

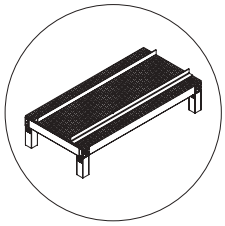

1x 225mm (250mm OD) PVC PIPE X 300mm

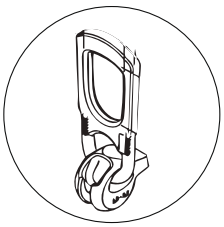

Foam Tape

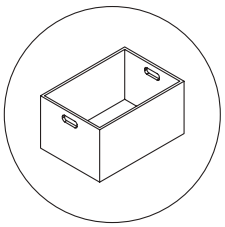
Optional Extras


1X Lift with break winch

+


1 x Internal Short Floor

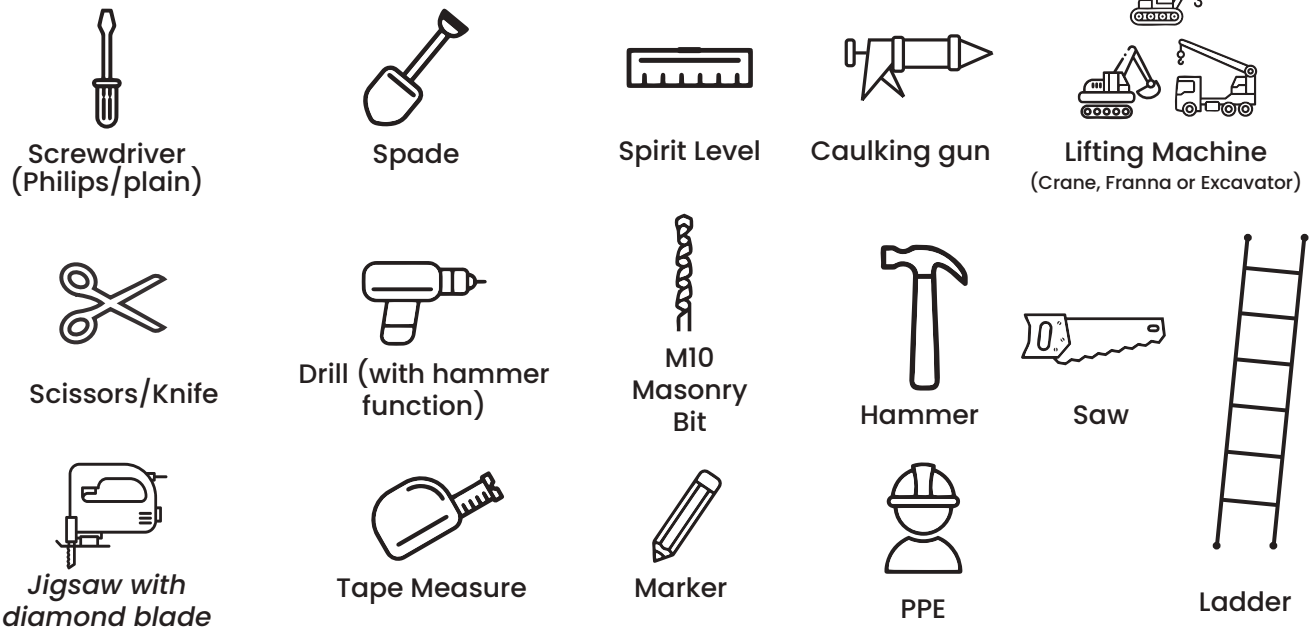

4x Lifting Clutch


Extra Basket

+


Extra Mesh Liner

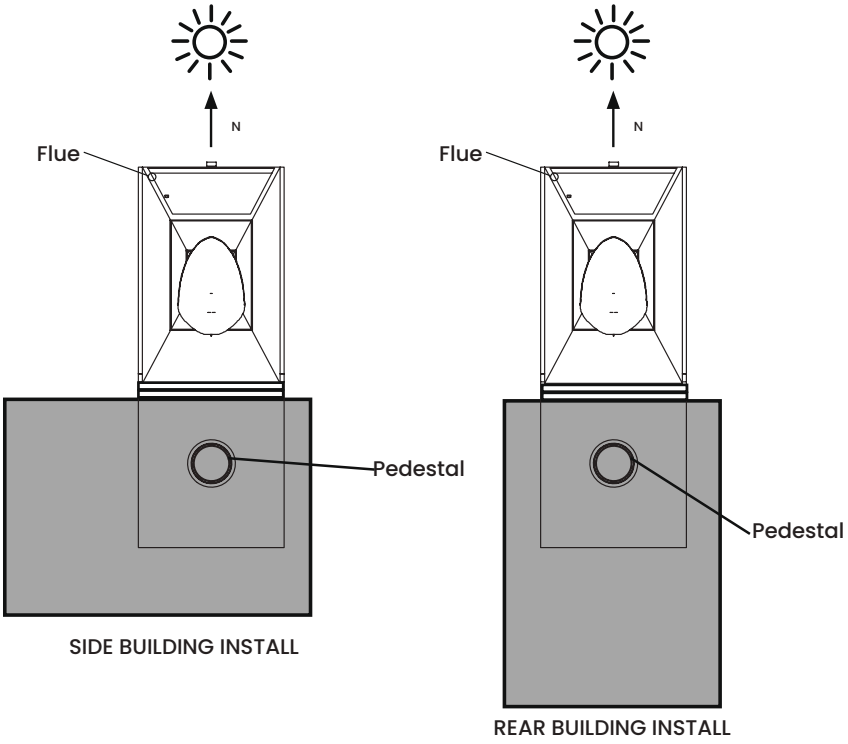
TOOLS REQUIRED



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.

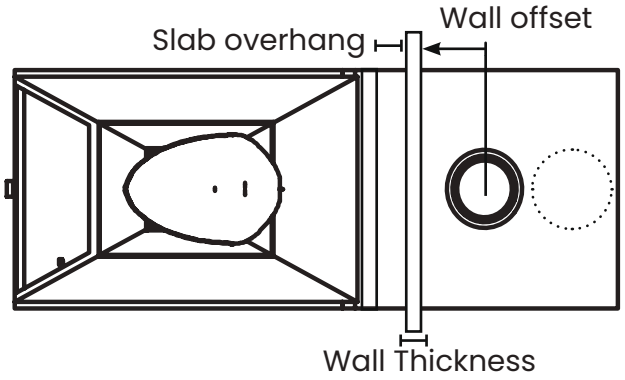
AUTHORITY APPROVAL

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.



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

Maximum chute offset distance is 800mm from the front of the false floor wall to the centre of the chute.

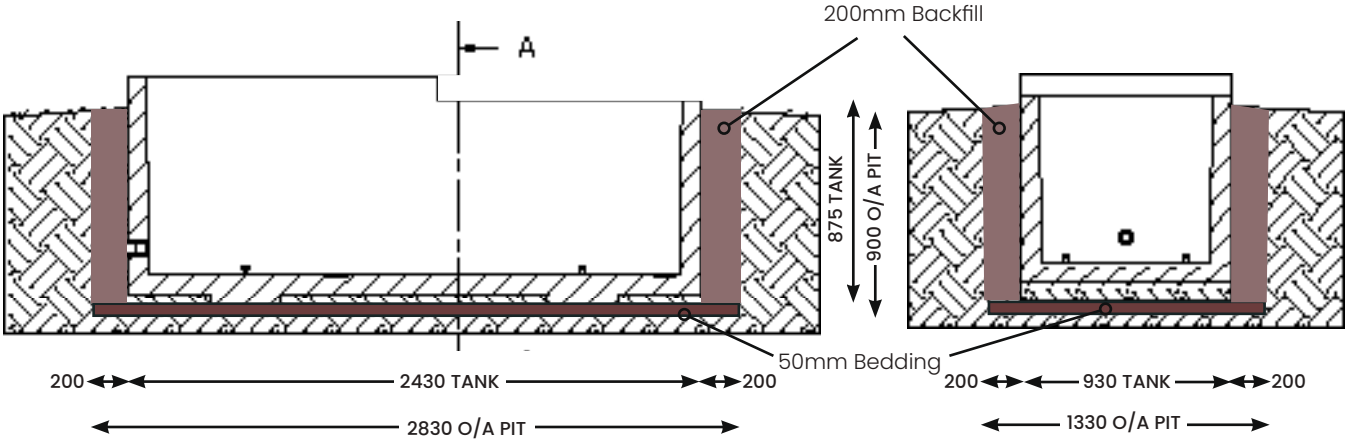
HOLE SIZE AND TANK SUPPORT

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.

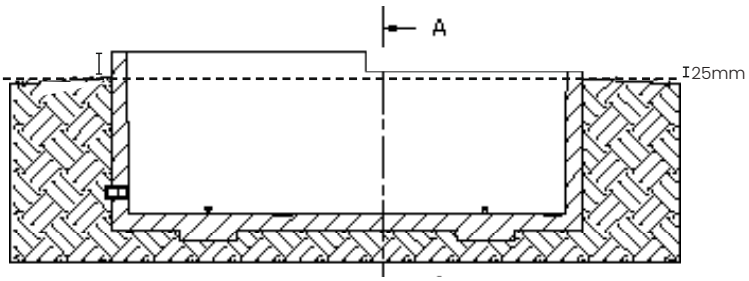


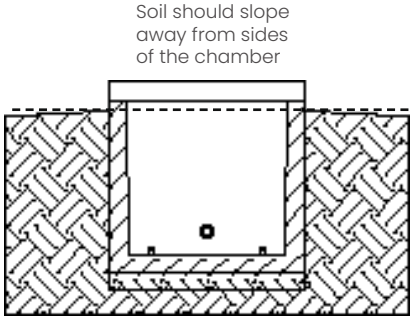
SURROUNDING EARTH WORKS BEFORE POURING SLAB

The ground at the lower end of the chamber should be excavated to sit 25mm below the lower lip of the chamber and at the rear of the chamber it should be 125mm from the rear edge.

All surrounding earthworks must slope away from the chamber to prevent water from pooling or entering the system. Good drainage is essential to maintain the function and longevity of the installation.

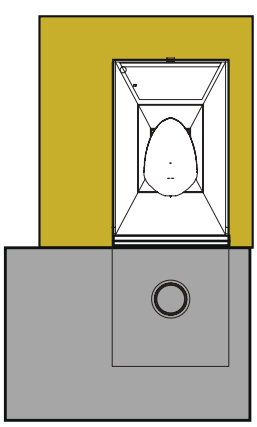
The final soil level surrounding the rear of the chamber needs to be 125mm below the rear edge of the chamber.

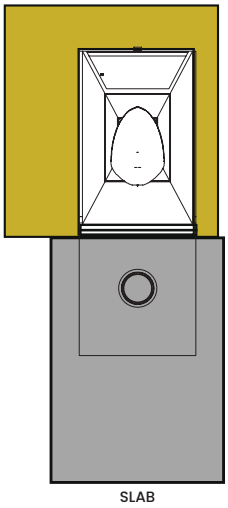


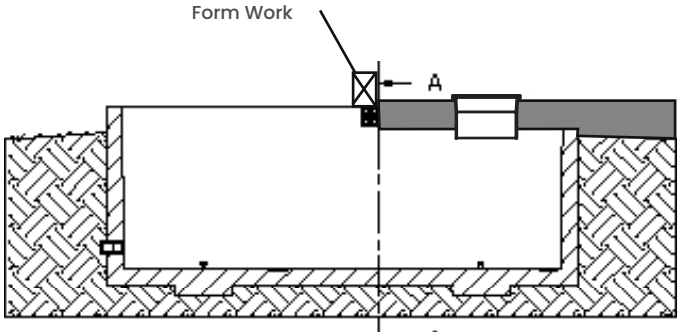


POURING THE SLAB

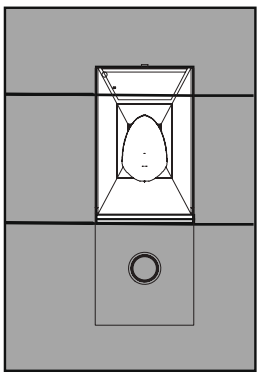
In most installations, the concrete slab will terminate at the wall of the DryLoo's false floor. If the slab is thicker than the height of the false floor wall, it is recommended to form up over the wall to match the correct height and maintain a smooth finish.

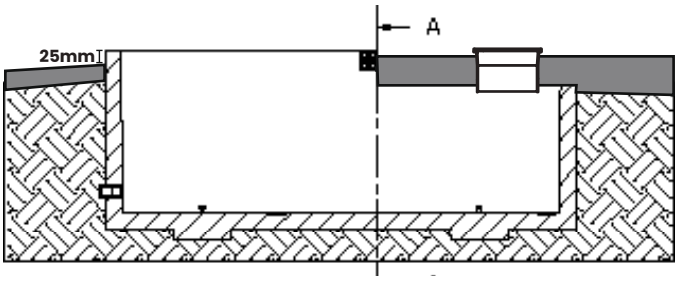






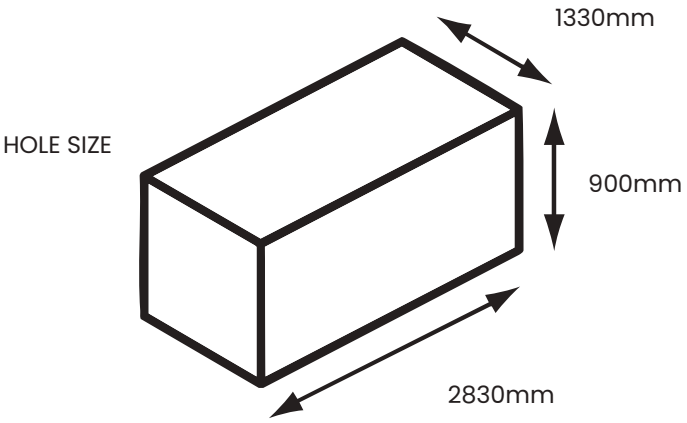
For installations where the **slab is poured continuously** around the DryLoo, the slab height should finish 25mm lower than the highest point of the chamber. **This will impact the bury height of the chamber, which must be calculated based on the slab thickness in this situation.** The slab surface should also be sloped away slightly from the chamber to prevent water pooling.





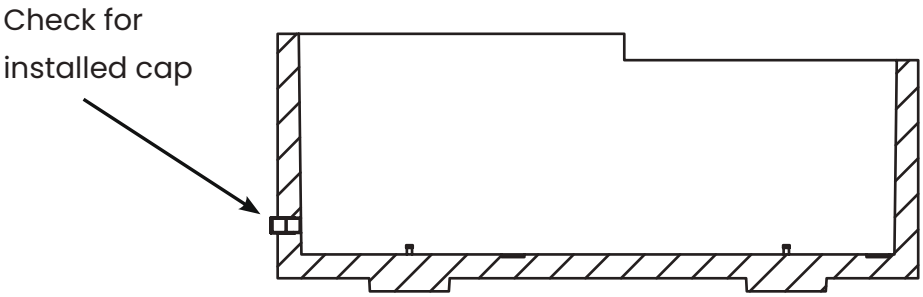
INSTALLING THE CHAMBER

1 Dig hole for chamber



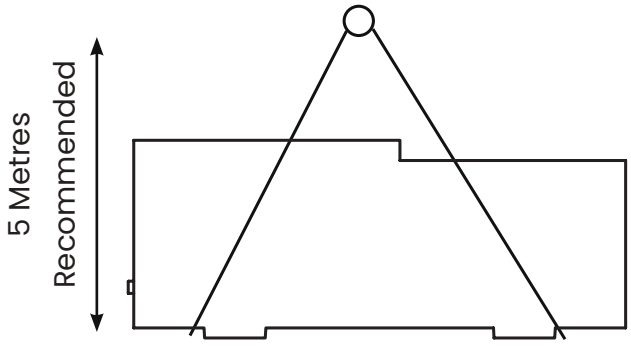
Note: If the site has a continuous slab around the chamber the bury depth measurement will need to be adjusted.

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).

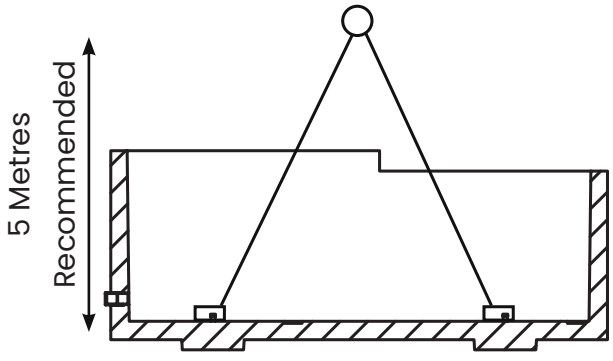


3 Lift into place following the lifting options below, all lifting should be done in accordance with AS3850 and handled by a slow moving Franna or similar which is capable of lifting the chamber weight with a safety factor of 2.25. Once in place follow Backfill information on page 4.

Chamber Weight when empty: 1.55 Tonnes



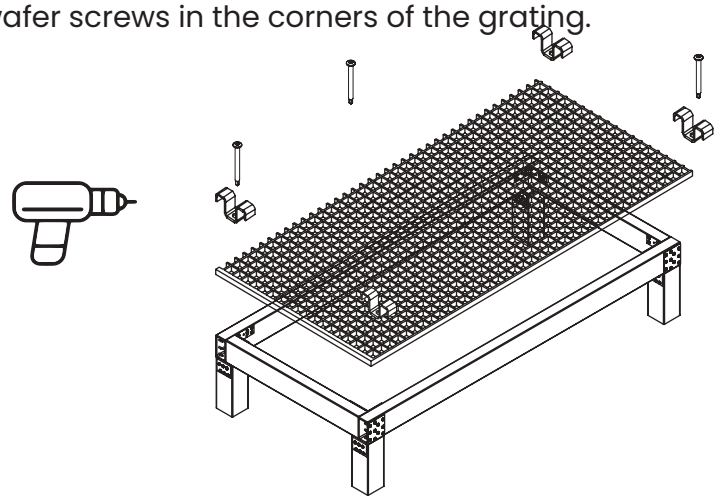
A **-Soft Slings 2.5 Tons, 5 meters minimum with Lifting Ring**
Installer needs to provide



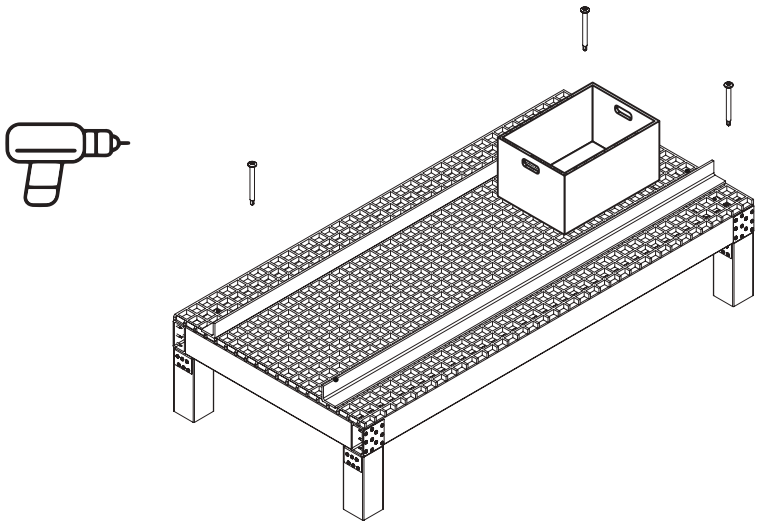
B **-4x Lifting Clutches 2.5 Tons**
Optional purchase
-Sling 5 meters minimum with Lifting Ring
Installer needs to provide

INSTALLING THE INTERNAL FALSE FLOOR

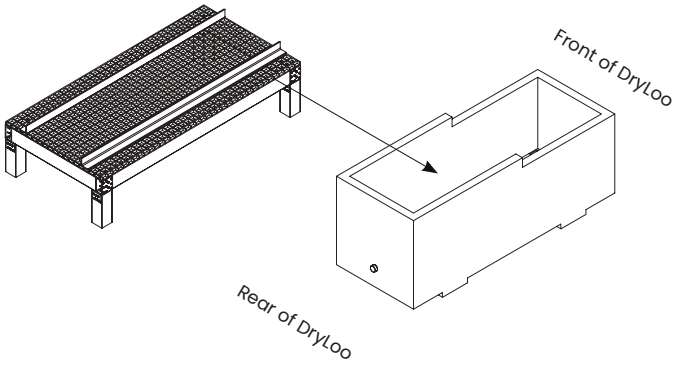
1 Assemble the internal false floor, fastening the grating onto the frame using 4x M clips and wafer screws in the corners of the grating.



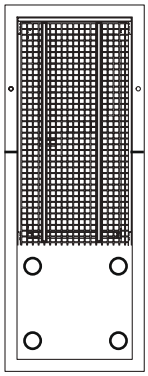
2 Fasten equal angle basket guides to false floor using 4 x wafer screws into floor frame. The centre of the basket should be in line with the centre of the chute. Install the guides on either side.



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



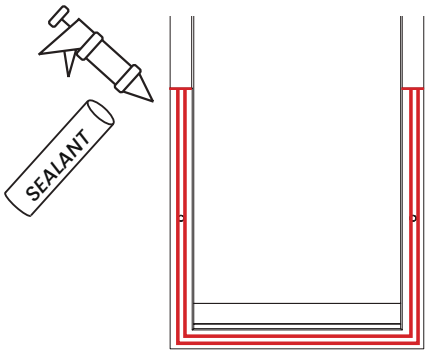
If you purchased the additional Stainless Steel Lift it has a smaller floor as shown.



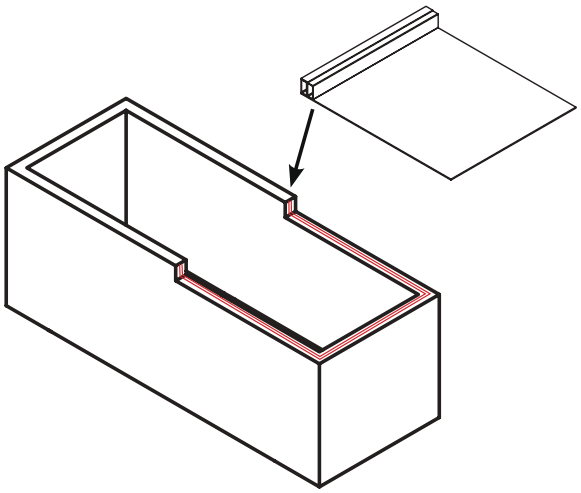
Note: The shorter floor will drop into the locating indents on the floor of the chamber. The long floor will be slightly higher on the side at the front of the DryLoo to make up for the locating indents on one side of the chamber.

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.

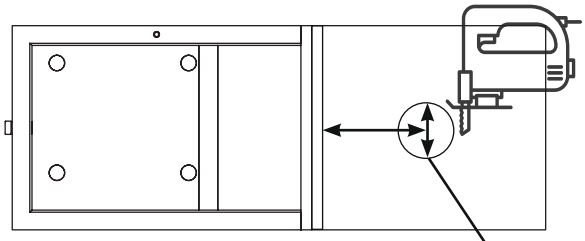


*Internal grating floor not shown



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.

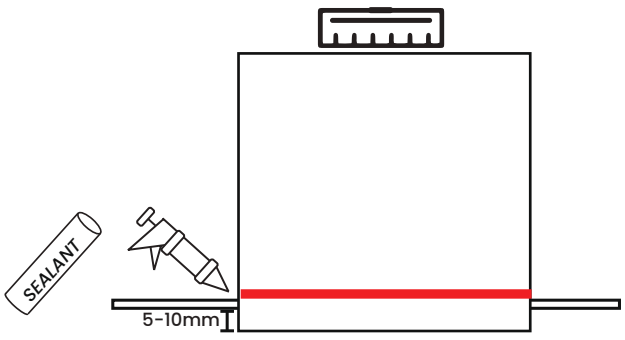


*Internal grating floor not shown

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

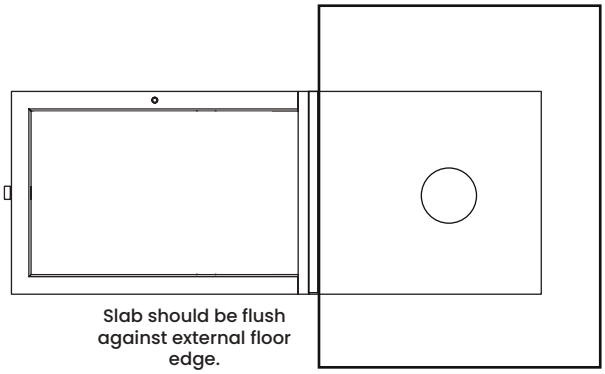
Cut Hole for 225 Stormwater Pipe -Diameter 250mm

3 Install the 225 Stormwater PVC Pipe into the hole (250mm OD) and silicone edges. Allow between 5-10mm on the underside of the flase floor. This creates a guide for the chute. Ensure there is stormwater pipe is protruding above the finished slab level and is square.

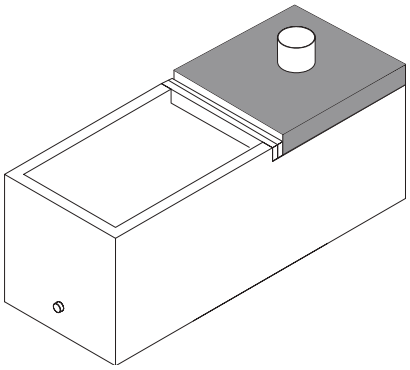


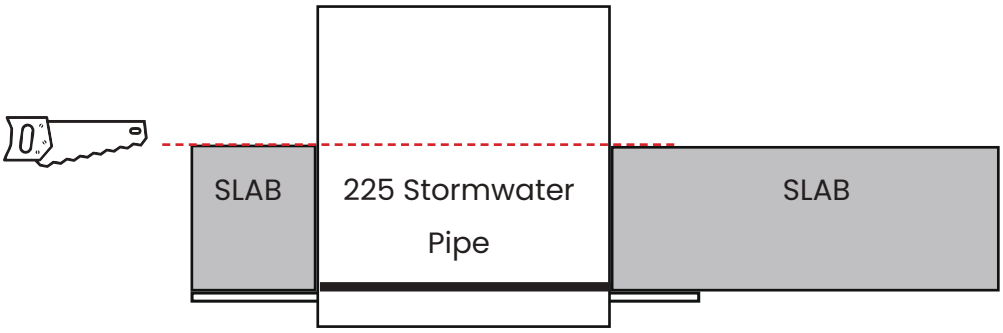
POUR SLAB

1 Form up around the floor area and pour the concrete slab for building pad. To site specific slab height and engineers requirements. Once cured cut Stormwater pipe to be flush with the finished floor height.

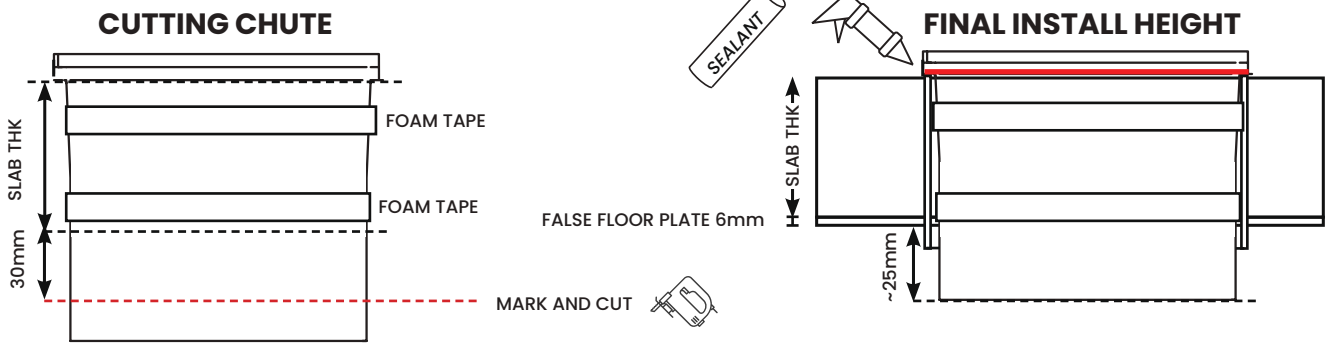


Slab layout will differ from example above.



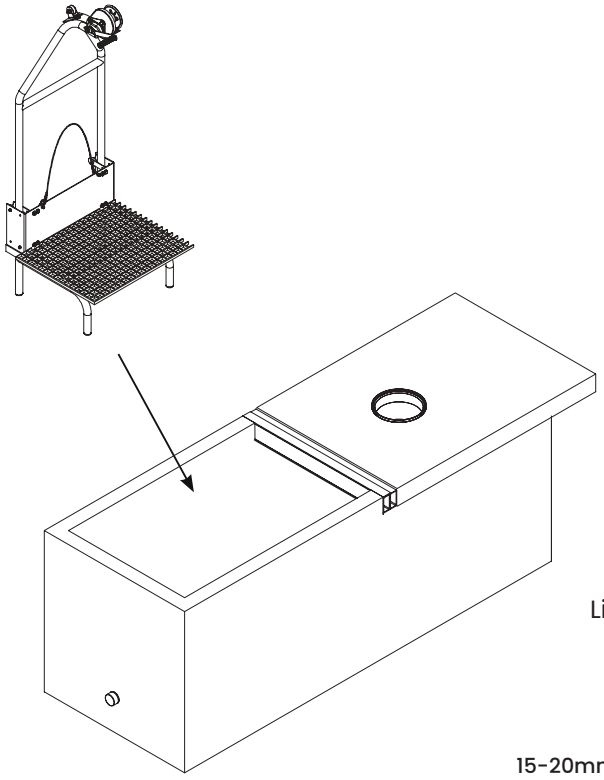


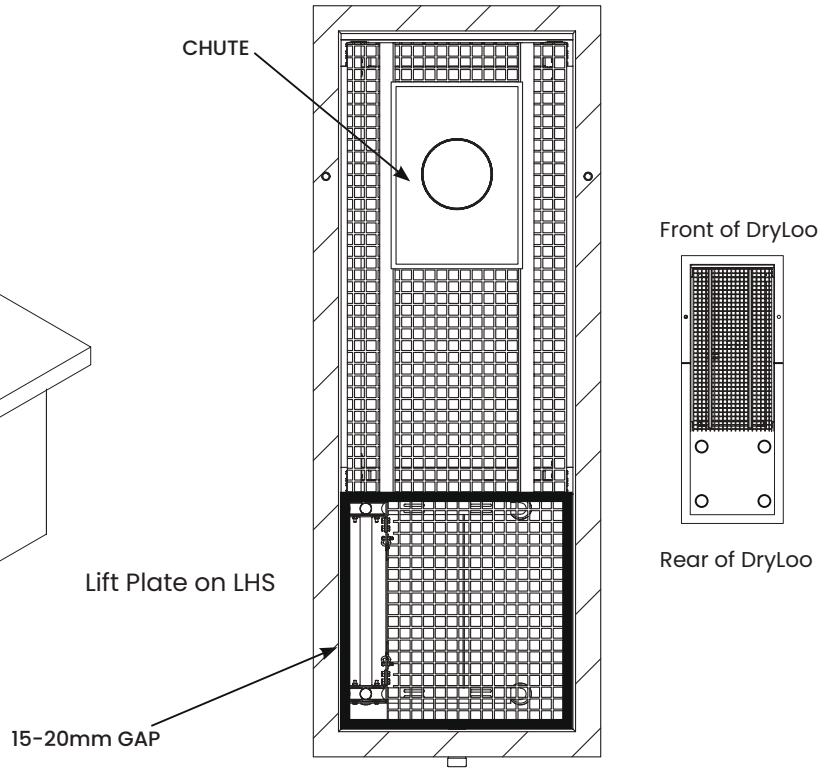
2 Mark from the underside lip of the chute; slab thickness + 30mm. Cut chute at mark. Add foam tape around the top and bottom edge of the slab thickness area on the chute. Place the chute into the stormwater pipe. The underside lip of the chute sits on the finished floor height. There should be about 25mm below the false floor plate. Silicone the chute to the floor to seal.



LIFT INSTALLATION (IF PURCHASED)

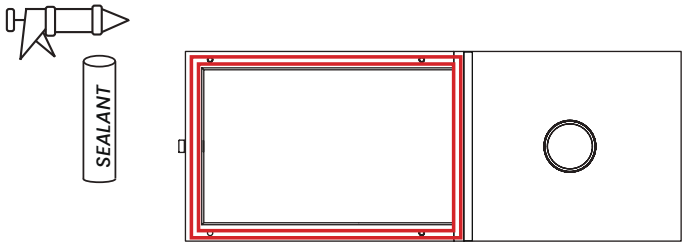
1 Place Lift into DryLoo chamber with the carriage on the left hand side. Allow a 15 - 20mm gap around each side. Ensure the floor raises and lowers without clashing with the edge of the chamber or internal floor.



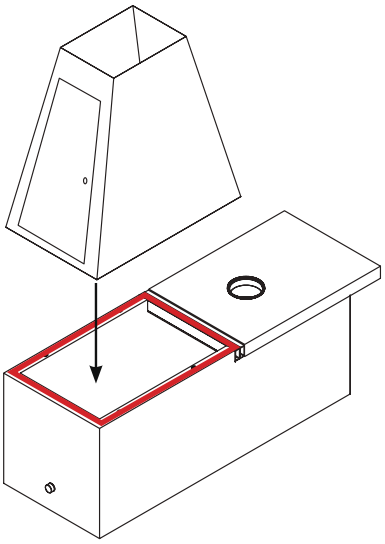


INSTALLING THE FLUE

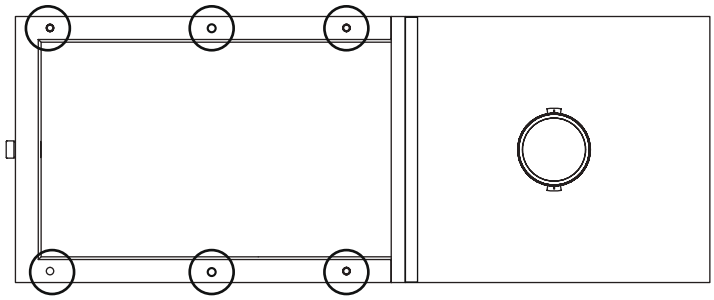
1 Apply a double Silicone bead to top face and place the flue base on top.



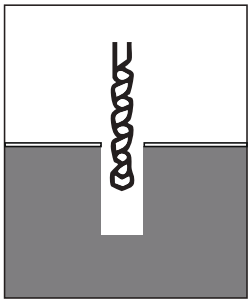
*Internal grating floor
not shown



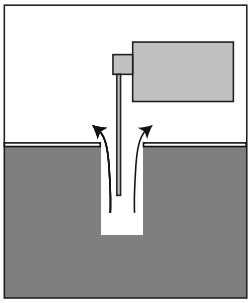
2 Drill 6x holes through the flue into the chamber on either side for the 30mm anchor bolts.



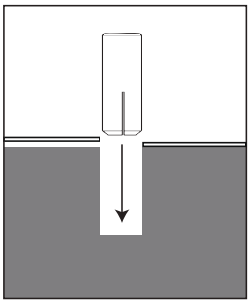
Top View
*Internal grating floor
not shown



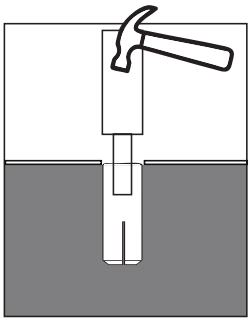
Drill M10x30mm
Deep Hole



Evacuate dust with vac or
compressed air

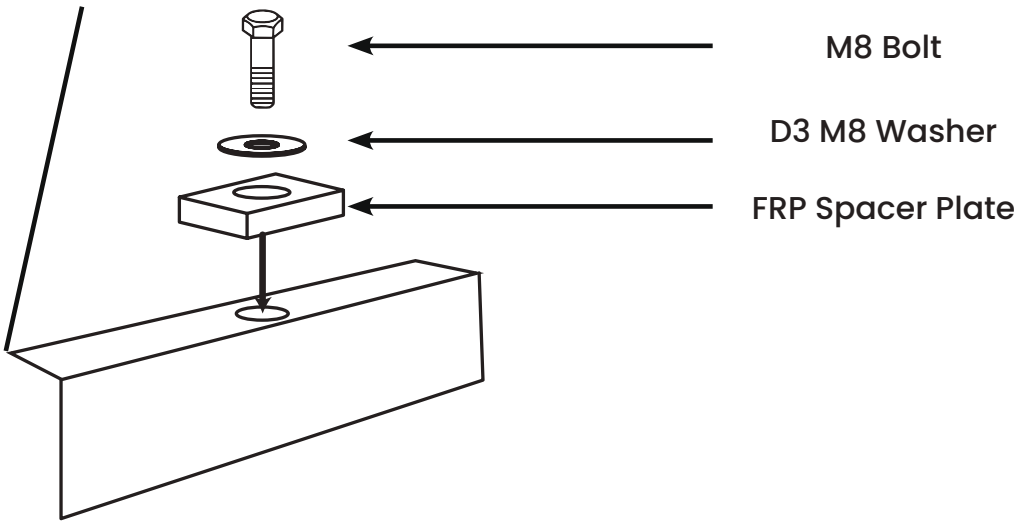


Insert Drop in Anchor Bolt



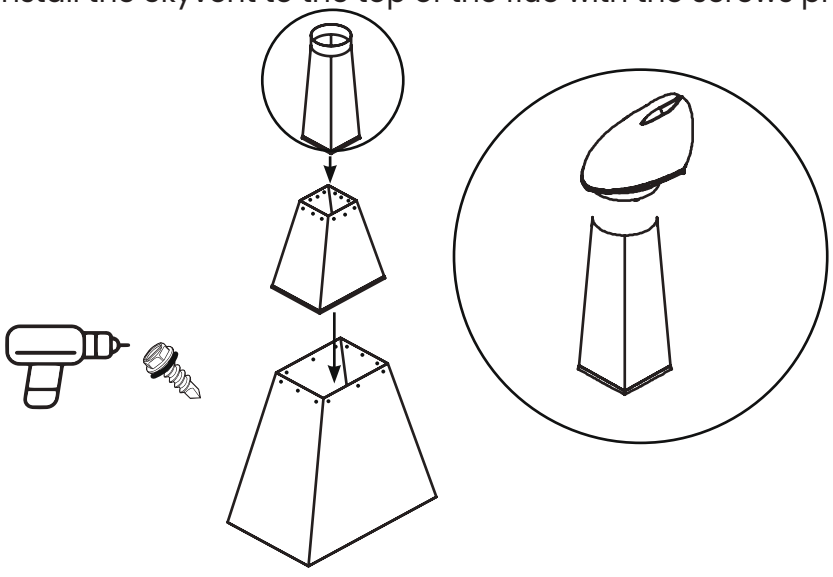
Hammer with setting tool

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.



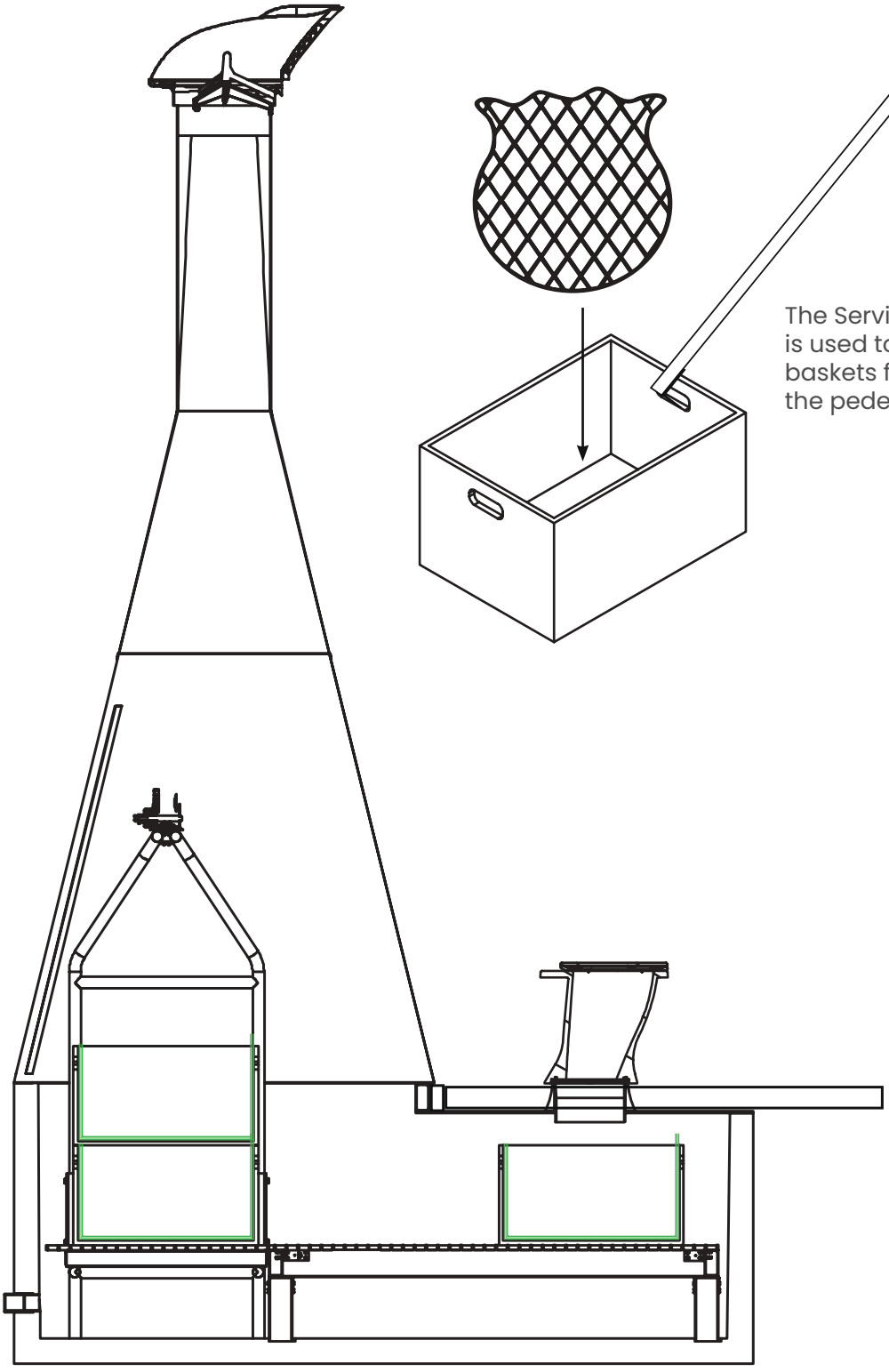
A temporary platform may be required to install the higher parts of the flue.

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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