



Enviro Loo

**ASSEMBLY & INSTALLATION INSTRUCTIONS**  
**C2020 STANDARD**

Diagrams are not to scale and dimensions  
to be used as a guide only, these may vary  
due to the moulding process.

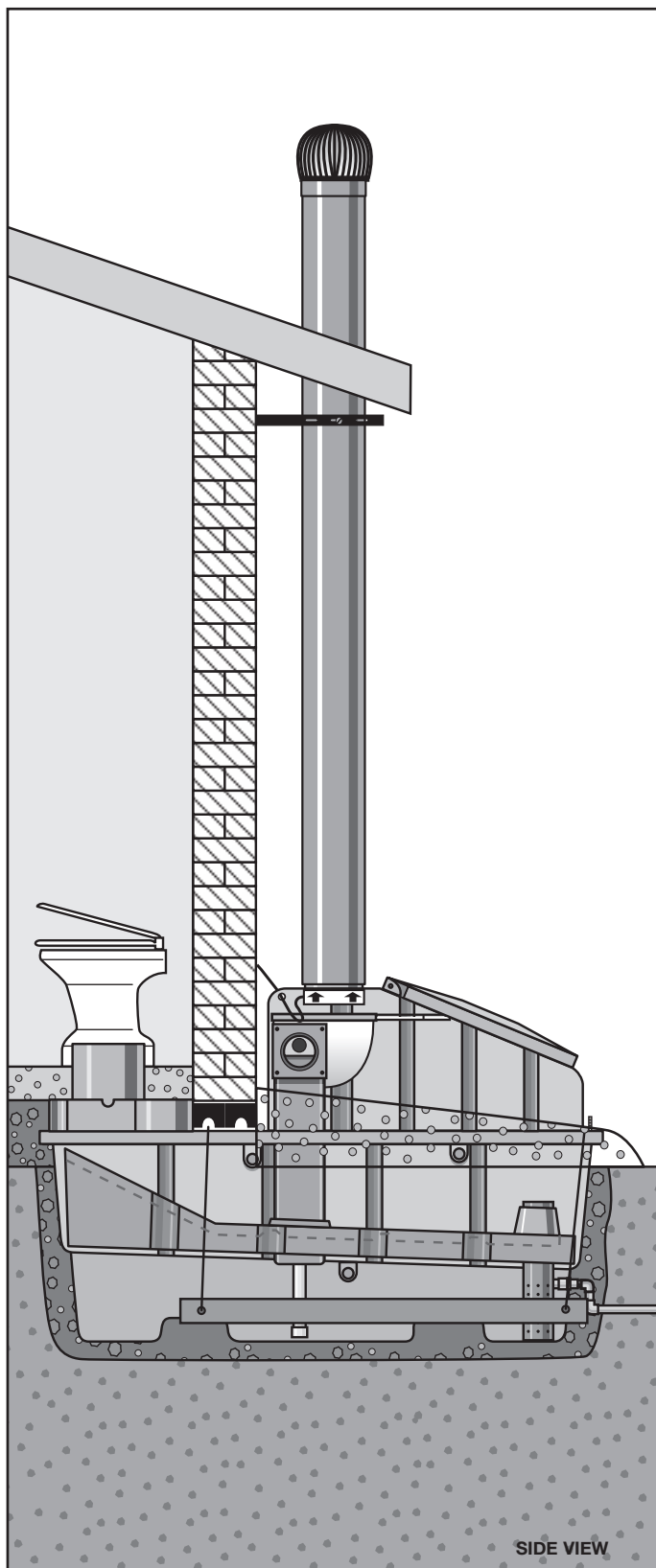


# Enviro Loo

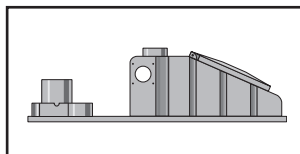
## THE ENVIRO LOO MODEL: C2020 STANDARD

### ASSEMBLY & INSTALLATION INSTRUCTIONS

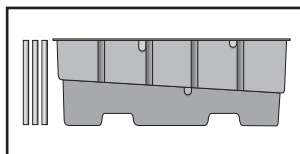
#### ASSEMBLY DIAGRAM



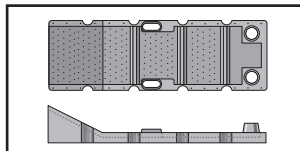
#### 1: PARTS LIST



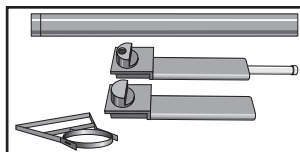
**1.1** TOP UNIT WITH HINGED INSPECTION COVER



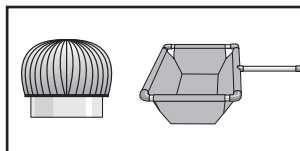
**1.2** BOTTOM UNIT WITH 3 SUPPORT PIPES



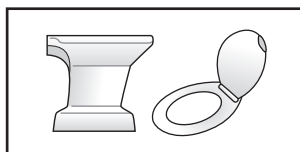
**1.3** DRYING PLATE



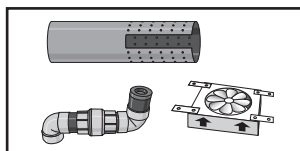
**1.4** 2 INLET PIPES WITH LIQUID LEVEL INDICATOR, 1 OUTLET VENT PIPE (2300mm) & WALL MOUNTING BRACKET



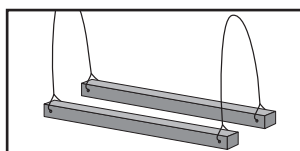
**1.5** DRYING BAG & VENT EXTRACTION UNIT



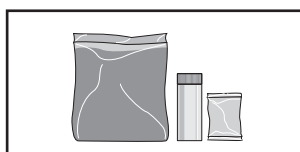
**1.6** TOILET BOWL, SEAT AND LID



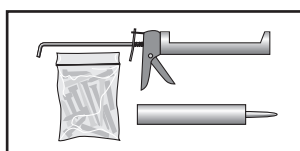
**1.7** (OPTIONAL EXTRAS) LIQUID OVERFLOW VALVE & PROTECTOR, ELECTRIC FAN FOR INDOOR INSTALLATIONS



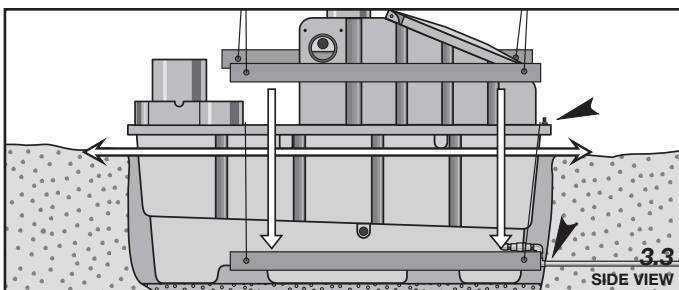
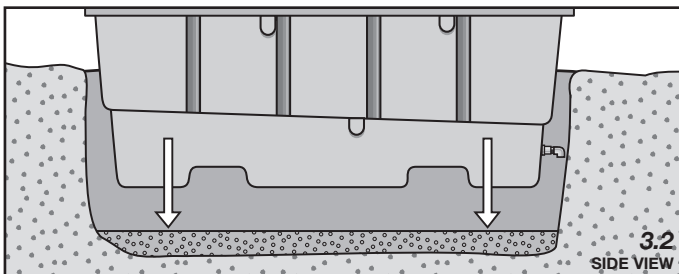
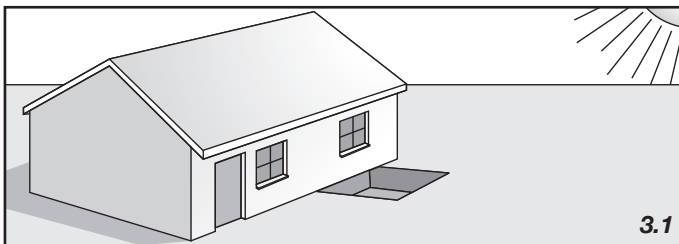
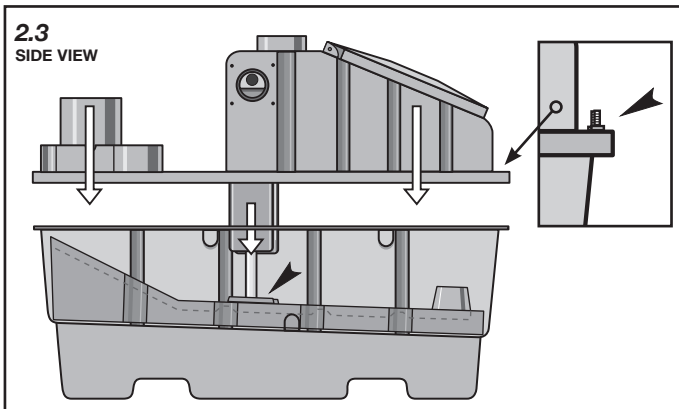
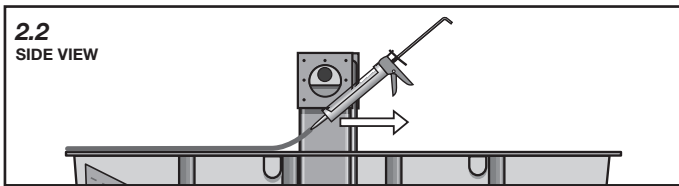
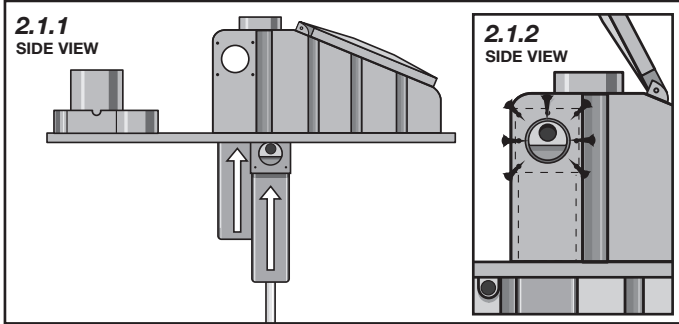
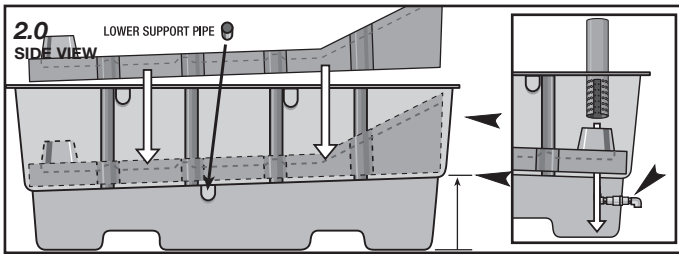
**1.8** ANCHORS



**1.9** ENZYME, ORGANIC STARTER AND TOILET CLEANER



**1.10** 1 BAG MOUNTING AND FIXING SCREWS, PRIMER, SILICONE AND GUN



## 2: ASSEMBLY INSTRUCTIONS

**2.0 NOTE:** Before assembly of units ensure the serial no.s of the top and bottom correspond - all holes are pre-drilled.

**OPTIONAL EXTRA (Inset):** Apply silicone around both sides of the pre-drilled hole near the base of the bottom unit. Fit the valve with black valve section inside the bottom unit and facing upwards. Tighten to ensure a water-tight seal.

Fit lower support pipe and then fit the drying plate onto the sloping ridge in the bottom unit. Ensure the toilet bowl end (angled end) is at the correct side of bottom unit, serial No. end or highest ridge end as indicated by black pointers.

**OPTIONAL EXTRA (Inset):** Lower valve protector through hole in drying plate to fit over valve, the valve pipe will fit into the cutout section of the protector.

**2.1.1** Working inside the top unit fit the 2 inlet pipes to the respective holes. **NOTE:** Fit the liquid level indicator/inlet pipe to the left hand side of the top unit (viewed from the inspection cover side).

**2.1.2** Bolt these in position with 4 bolts supplied for each side.

**2.2** Apply provided primer along the entire length of the joining flange of the bottom unit. **NOTE:** Then spread silicone over primer, including the inside of pre-drilled holes, ensure a uniform spread to avoid leakage, achieve this as quickly as possible.

**2.3** Position the top unit above the bottom unit.

**NOTE:** Must be achieved within 15 minutes of applying silicone to avoid drying out. When lowering the top unit onto the bottom unit, fit the two air inlet pipes through the **oval** holes in the drying plate. Bolt the units securely together with bolts provided.

**INSET:** Ensure the 2 (inspection cover end) corner bolts are reversed to protrude upwards, these will hold the anchor cables in place.

**NB: Ensure a water-tight seal.** Apply silicone to the join between the 2 units.

## THE UNIT IS NOW READY FOR INSTALLATION

## 3: INSTALLATION INSTRUCTIONS

**3.1** When locating the toilet, ensure that the inspection cover receives the maximum possible sunlight on the sun facing aspect of the building.

**Excavate a pit to these dimensions:**

*(Depending on final floor level)*

**Length: 2 600mm Width: 1 200mm Depth: 750mm.**

Ensure accurate lining up to final floor level.

**NOTE:** If the units are outside toilet structures, we recommend a step-up of 200mm to avoid storm water problems.

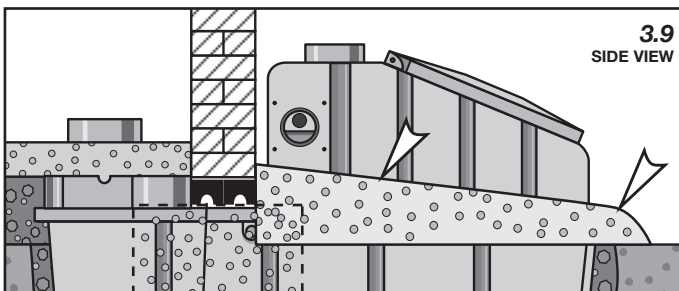
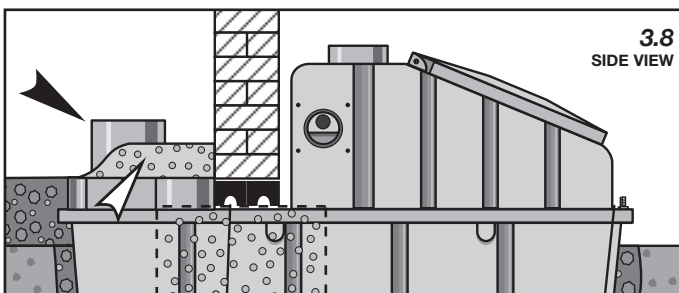
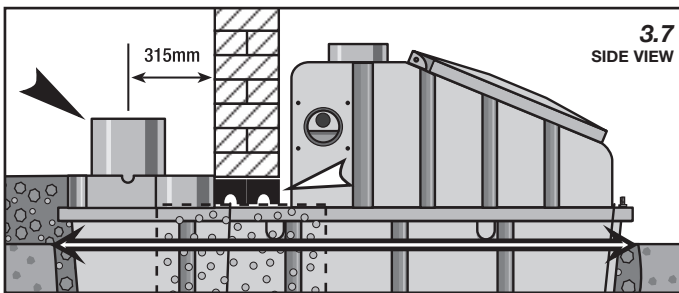
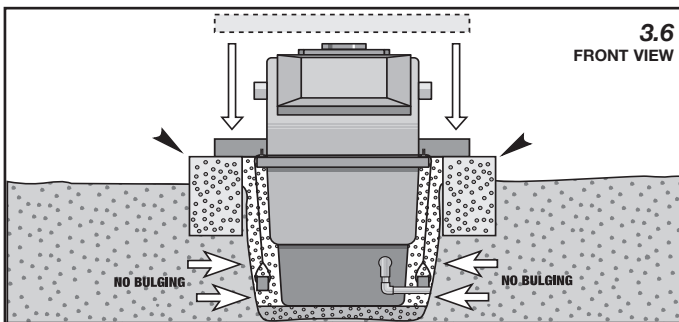
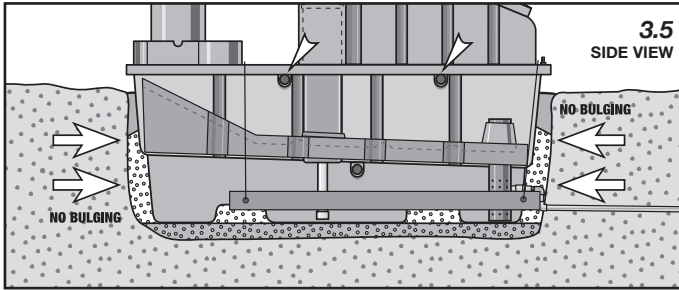
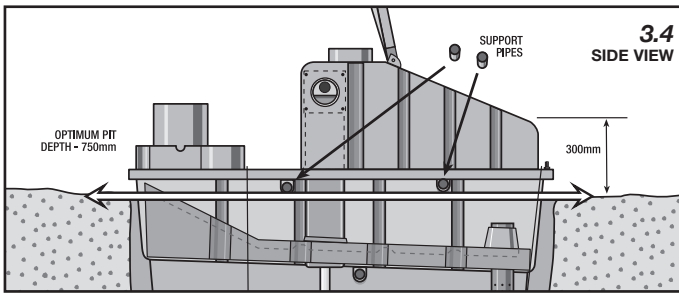
**3.2** Remove stones from the bottom of the pit that may damage the base of the container. Use roughly 50mm river sand or soft soil to level the bottom of the pit. If installing the unit in a clay or high groundwater area cast a concrete slab at the bottom of the pit. Ensure the slab meets the required Engineering Specifications for the prevailing geo-technical conditions. Lower the assembled unit into the pit.

**3.3** The white arrow shows the position of preferred ground level. (300mm from ground level to base of inspection hole cover).

**OPTIONAL EXTRA:** Connect liquid overflow drain pipe to the existing greywater system or soakaway.

**NOTE: The unit needs to be anchored to avoid flotation.**

Fill the supplied anchor blocks with cement mix for extra strength and weight. Once dry hang the anchors level and evenly on either side of the bottom unit and position the rear anchor wires behind upward bolts so that they will not slide off the edge of the unit. When backfilling ensure that the anchors remain in set position.



**WHEN THE TOILET SUPER STRUCTURE IS COMPLETE, THE FOLLOWING COMPONENTS REMAIN TO BE FITTED.**

**3.4** Before backfilling, open the inspection cover and place the remaining 2 support pipes into the lugs as shown. It is recommended that a soil-crete mix is used to backfill around the unit. Ensure the contractor has the correct soil and cement mix ratio for the prevailing geo-technical conditions. Backfill evenly and compact gently all round the unit. Ensure that the unit stays level through its length and breadth and avoid the spillage of backfill material through inspection hole and toilet flange during backfilling.

**3.5 IMPORTANT:** During backfill procedures, ensure that the pipes supporting the walls of the container remain fixed in position. (White pointers) Do not compact backfill over the level of the support pipes, without ensuring the above. Make sure that the container sides do not bulge inwards from over compaction (white arrows), by viewing through the inspection cover or by standing on the sides of the drying plate inside the container.

**NOTE: NB** Ensure that the prevailing geo-technical conditions have been checked and that adequate stabilisation procedures have been specified to prevent flotation and or damage to the unit.

**3.6** Cast foundations on left and right sides of the unit to carry the back wall lintels. These specifications must be supplied by the Contractor and or Engineer responsible for the installation and or construction.

**3.7** The interior face of the rear wall should be built **315mm** from the centre of the toilet flange.

**NOTE:** The white arrow points to the side view location of the back wall lintels.

**NOTE:** The longitudinal arrow indicates where ground level should be.

**3.8** Position shuttering to cast floor slab. When casting the floor slab ensure that  $\pm 40\text{mm}$  of the toilet flange protrudes above the finished floor slab, this is for securing the toilet bowl.  
**NOTE:** If unit has been installed at the recommended minimum excavation depth and depending on final floor level, excess protruding toilet flange will need to be cut off.

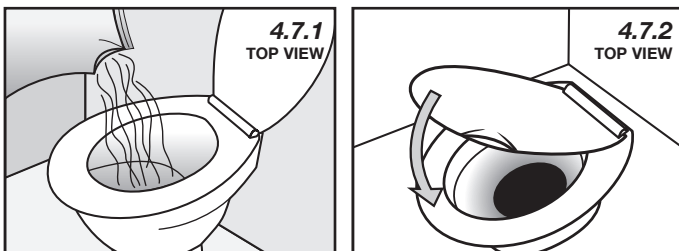
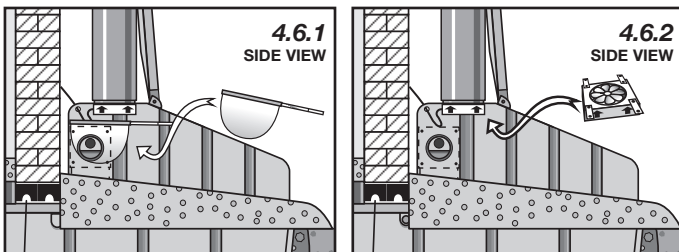
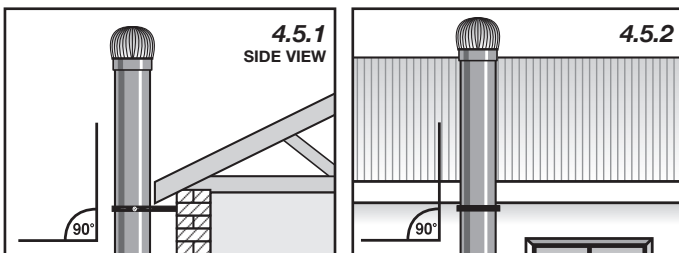
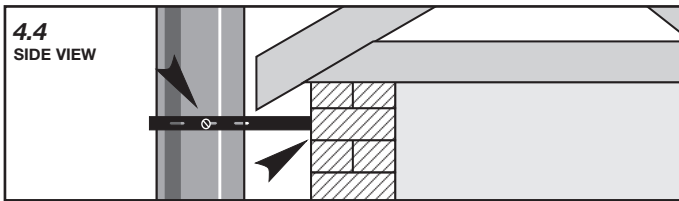
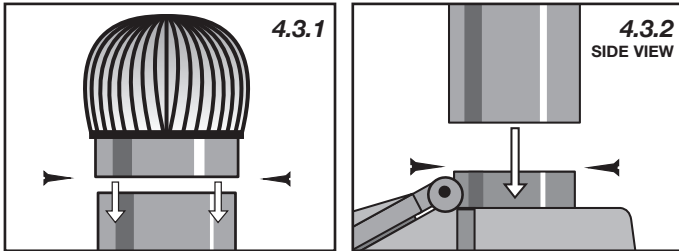
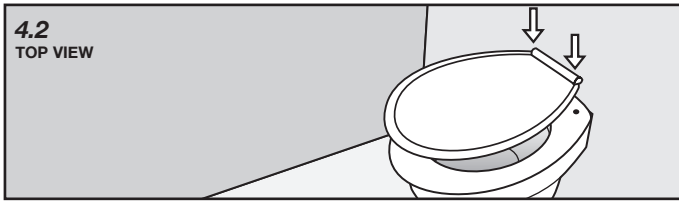
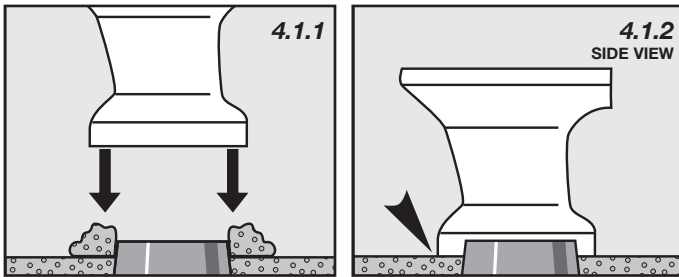
**NOTE:** Cast the floor slab according to the Engineer's specifications.

**3.9** Once the floor slab has dried building of the toilet super structure can commence.

**NOTE:** Cast a sloping concrete shoulder apron around the inspection hole end of the unit for storm water control and to prevent seepage into the backfill material.

- > TOILET Bowl, SEAT AND LID.
- > OUTLET VENT PIPE, VENTILATION EXTRACTION UNIT AND VENT BRACKETS.
- > DRYING BAG, ORGANIC STARTER AND ENZYME.

## 4: INSTALLATION OF REMAINING COMPONENTS



**4.1.1** Position/secure the toilet bowl with dry mix onto the toilet flange protruding from the floor slab.

**4.1.2** The base of the toilet bowl must rest on the floor slab.

**4.2** Secure toilet seat and lid with the plastic bolts and nuts supplied.

**4.3.1** Fit the ventilation extraction unit onto the outlet vent pipe, with the self-tapper screws provided.

**4.3.2** Place the outlet vent pipe over flange. Then secure the outlet vent pipe to the flange with the self-tapper screws provided.

**4.4** Position the vent outlet brackets as high as possible to the top of the rear wall for maximum support.

**4.5.1** Ensure the outlet vent pipe is vertical as indicated.

**4.5.2** **NOTE:** The ventilation extraction unit must be positioned above the pitch of the roof to ensure adequate and consistent ventilation.

**4.6.1** Position the drying bag by sliding it into position on top of the inlet pipes housing as shown. Secure the inspection cover when completed. (Instructions for use of the drying bag supplied with the Service Instruction Manual).

**4.6.2 (OPTIONAL AUXILIARY FAN)** The fan is supplied according to your power source i.e. AC or DC as per the information you supplied to Enviro Options. The fan is installed inside the unit, below the vent pipe outlet flange as indicated. Position the fan below and in the centre of the vent outlet flange then drill 4 holes for each support plate. **NOTE: Ensure the fan is facing in the correct direction as per the airflow indicator on the side of the fan.** Bolt the fan to the top unit and ensure a water tight seal at the bolts. Drill a hole on the side of the top unit for the power cable. Seal this hole when complete to avoid any risk of leakage. Connection to the 220v mains must be carried out by an authorised electrician. Connection to a light switch in the bathroom and used as required or left running continuously is recommended.

**4.7.1** Open and pour the contents of both the bag of organic starter and the sachet of enzyme through the toilet bowl.

**4.7.2** Keep lid closed at all times when the toilet is not in use.

**THE TOILET IS NOW READY TO BE USED**

**Please note that ENVIRO LOO cannot be held responsible for incorrect assembly and installation or non-adherence to the required specifications.**

**Should you require any further information or assistance please call:**

**ENVIRO LOO**  
**TEL: +27 (0)11 762 1624**  
**FAX: +27 (0)11 762 3717**  
**Email: info@enviroloo.co.za**

