



METHOD STATEMENT

FOR

ELMICH GREEN WALL

VERSIWALL® GP (VGP) TRAY PLANTER

**PREPARED BY
ELMICH PTE LTD**

METHOD STATEMENT

ELMICH GREEN WALL VERSIWALL® GP (VGP) TRAY PLANTER



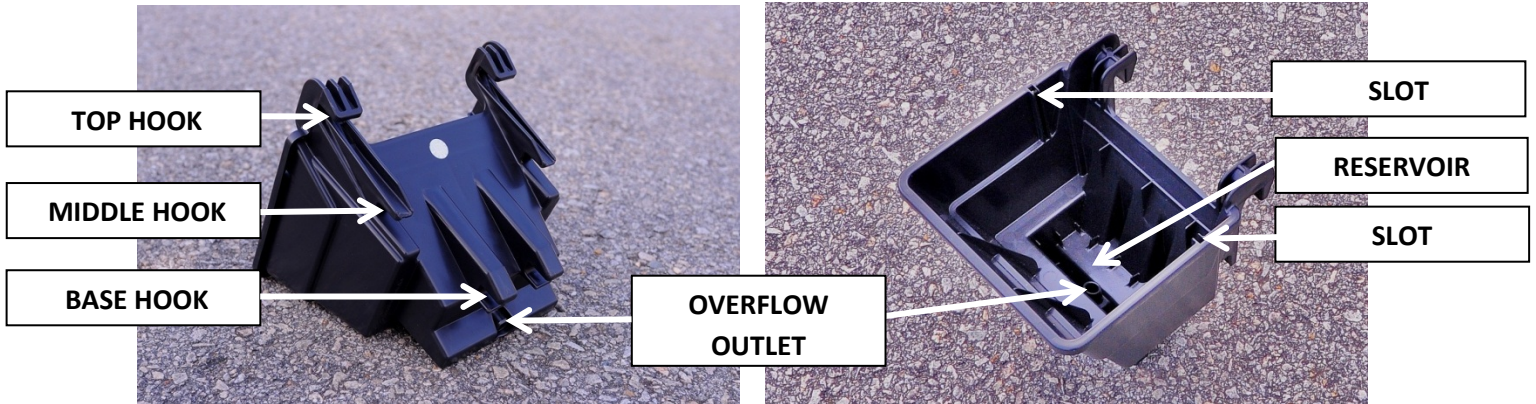
1. Component Parts of VGP Tray

1.1 Tray

1.1.1 Three (3) pairs of hooks at back of tray

1.1.2 Overflow outlet at base

1.1.3 Reservoir at base



1.2 Removable Components of VGP Tray

1.2.1 Baffle Plate - distributes irrigation water over media surface

1.2.2 Base Plate – prevents planting media from entering reservoir and overflow outlet



1.2.3 Align with and insert Baffle Plate into slots at both interior sides of tray

1.2.4 Place Base Plate at base of tray ensuring that cap at the underside covers the overflow outlet

2. Mounting Options

2.1 Proprietary Mounting Panel

2.1.1 Configured to precisely match mounting hooks of tray

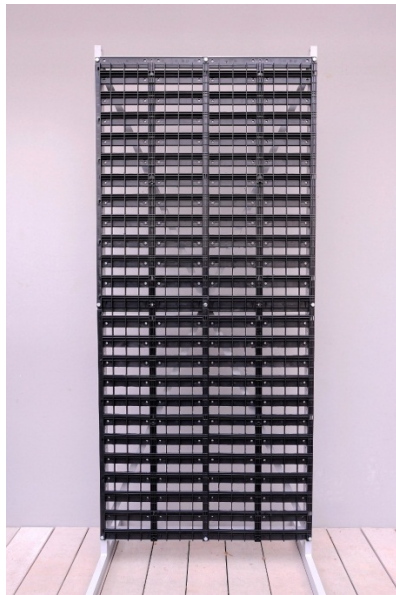
2.1.2 Precise and secure anchorage at all 6 hook points

2.2 Welded Mesh

2.2.2 Vertical members 50mm apart and horizontal members 75mm or 150mm apart

2.3 Rods

2.3.1 Horizontal members 75mm apart



PROPRIETARY PANEL



WELDED MESH



RODS

3. Wall or Mounting Frame/Stand for VGP Installation

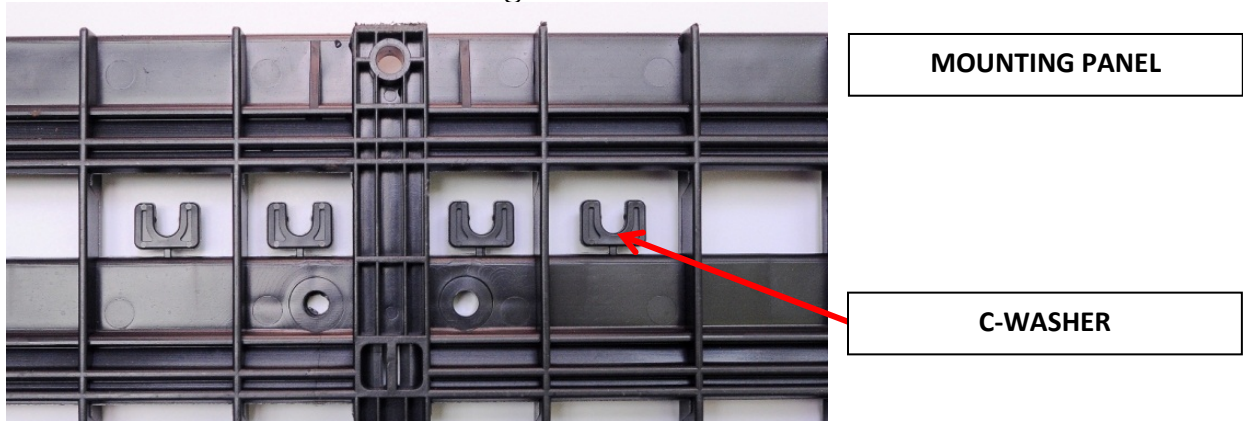
3.1 Prime RC wall and/or construct framework (including waterproofing, painting, welding, etc) based on mounting option selected according to project requirements; or

3.2 Construct free-standing mounting frame/stand based on mounting option selected according to project requirements

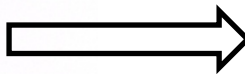
3.3 Install Proprietary Mounting Panel

3.3.1 Pluck out C-Washer found at either end of Mounting Panel

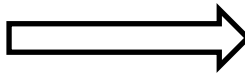
3.3.2 Insert C-Washer where adjacent panels overlap to prevent corner of top overlapping panel from collapsing downwards when bolt is tightened



C-WASHER BETWEEN
OVERLAPPING PANELS



TOP OVERLAPPING PANEL
COLLAPSES DOWNWARD
WITHOUT C-WASHER

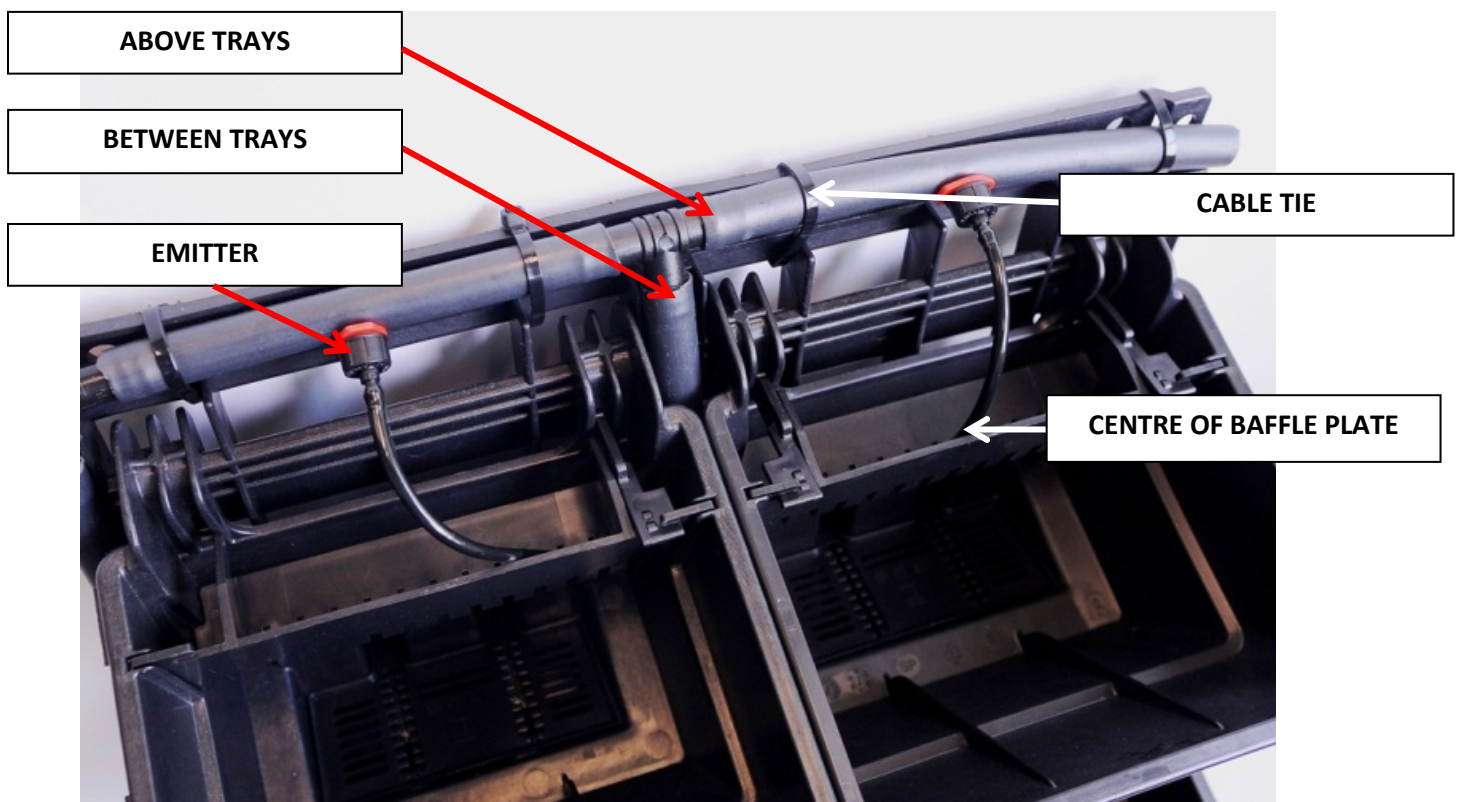


3.4 Install Welded Mesh

3.4.1 Leave gap of 50mm between mesh and wall surface

4. Irrigation System (optional or according to project requirements)

- 4.1 Use a maximum of 8 trays per panel this will ensure a sufficient gap to accommodate the horizontal irrigation line.
- 4.2 Main irrigation tubes run vertically between trays and horizontal branch tubes run above each row. Each tray supplied by one emitter (dripper).
- 4.3 Secure tubes with cable ties (holes provided on panels)
- 4.4 Position tube connected to emitters at centre of Baffle Plate for water to be evenly distributed throughout media surface
- 4.5 Install controller for automated irrigation water and fertilizer release



5. Planting

- 5.1 Regular free draining planting soil may be used
- 5.2 Select appropriate indoor or outdoor plants according to design and project requirements
- 5.3 Planting may be in-situ or off-site

- 5.4 Use basket/carton box or rack system if trays are planted off-site to facilitate easy transportation to site

6. Mounting

- 6.1 Installation can be configured for close planting, spaced or a staggered layout according to design and project requirements
- 6.2 Leave space for signage, poster or advertisement if required according to design and project requirements



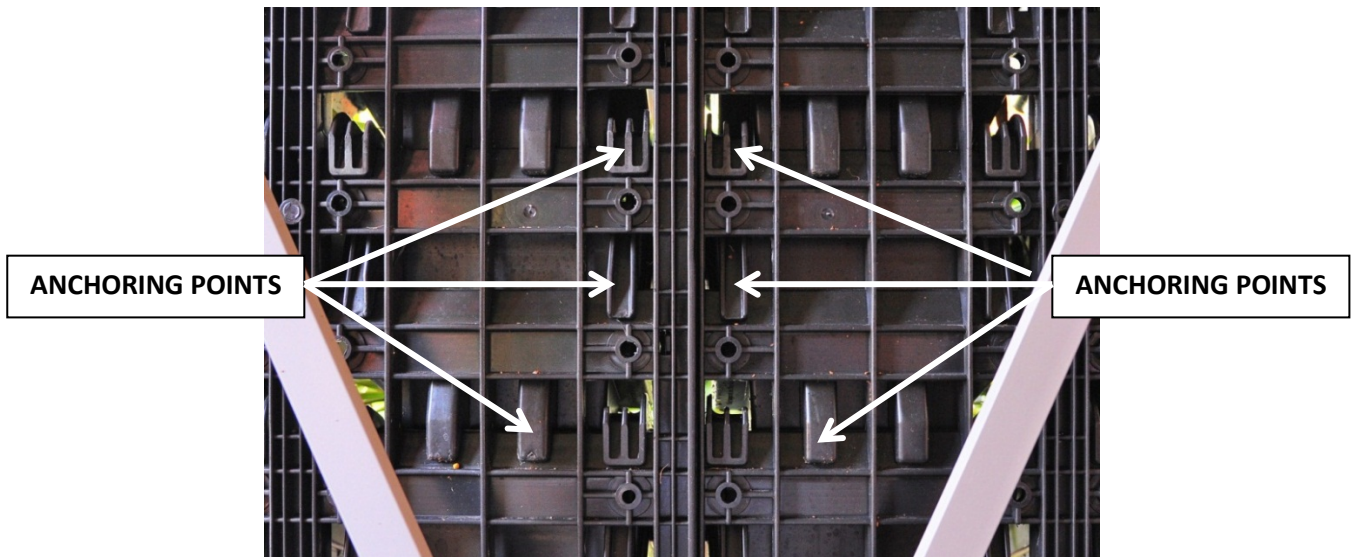
- 6.3 Protruding base of tray sits into Baffle Plate of tray immediately below when close planting



- 6.4 Anchor VGP Trays to Selected Mounting System

6.4.1 Proprietary Mounting Panel

- 6.4.1.1** All 3 pairs of tray hooks anchor and sit into their assigned slots on panel



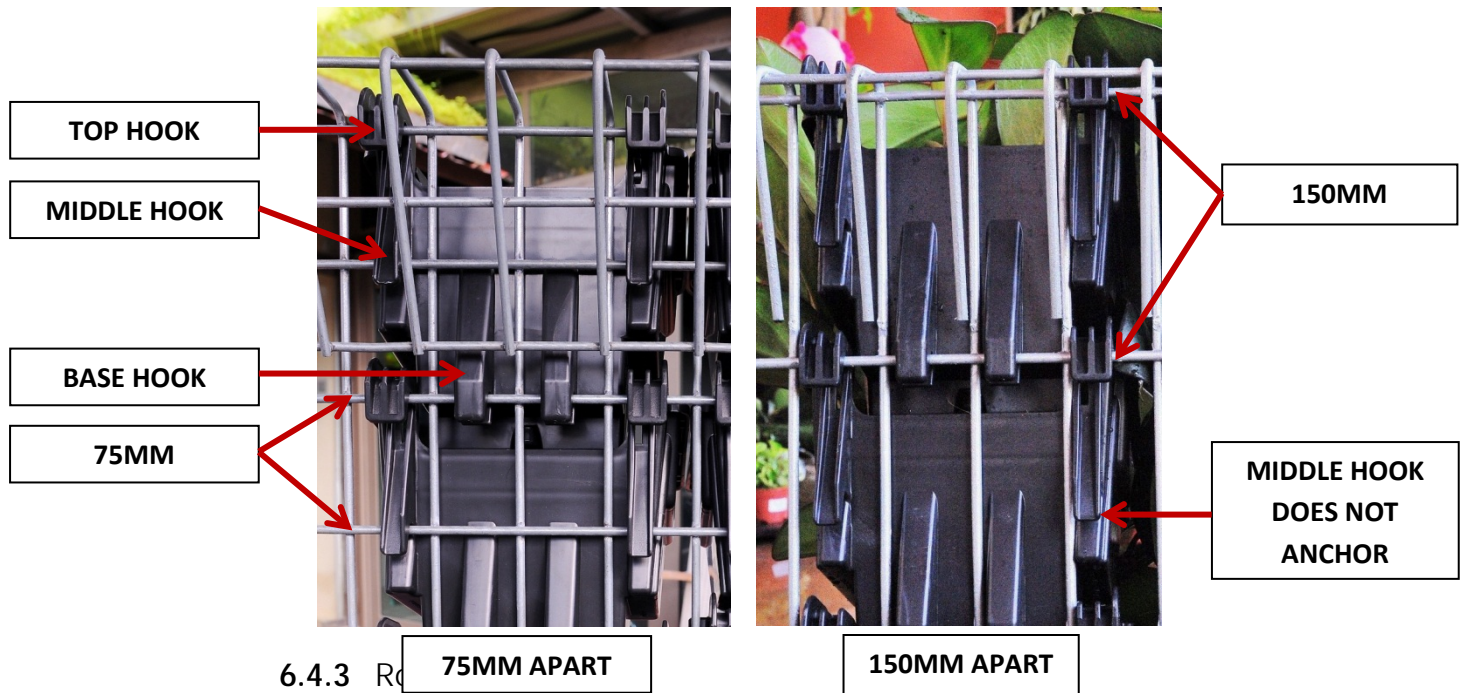
6.4.2 Standard Welded Mesh

- 6.4.2.1** Horizontal members 75mm apart

- 6.4.2.1.1** All 3 pairs of tray hooks anchor to mesh

- 6.4.2.2** Horizontal members 150mm apart

- 6.4.2.1.2** Only top and base hooks of tray anchor to mesh



6.4.3 R

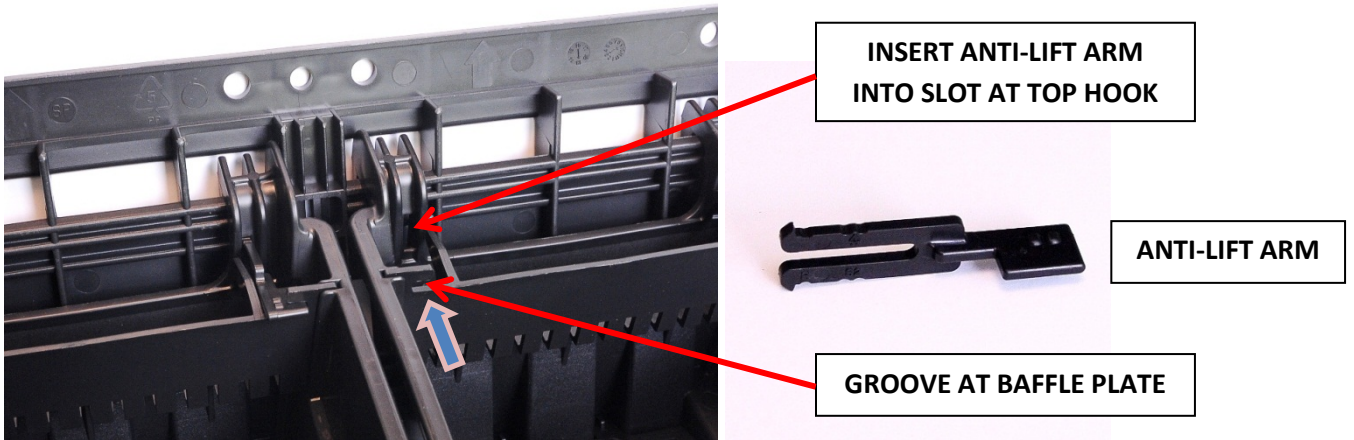
6.4.3.1

All 3 pairs of tray hooks anchor with horizontal rods 75mm apart



7. Anti-Lift Arm

7.1 Insert Anti-Lift Arm into the slot at each of the top hooks to secure tray to the anchoring bar and prevent accidental dislodgement of trays from their mounting points

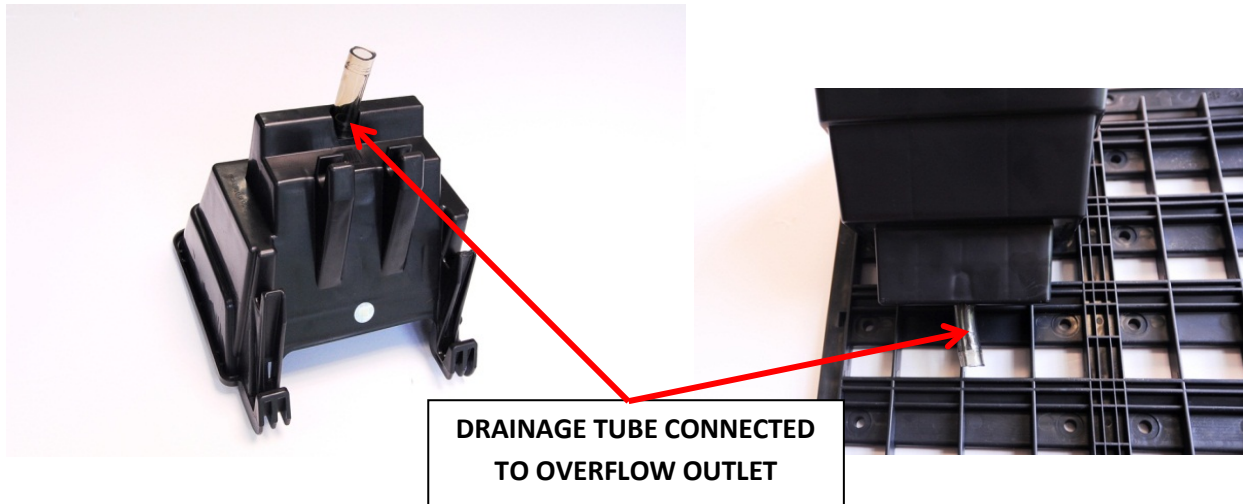


7.2 Tuck finger-grip of Anti-Lift Arm into groove at Baffle Plate



8. Drainage

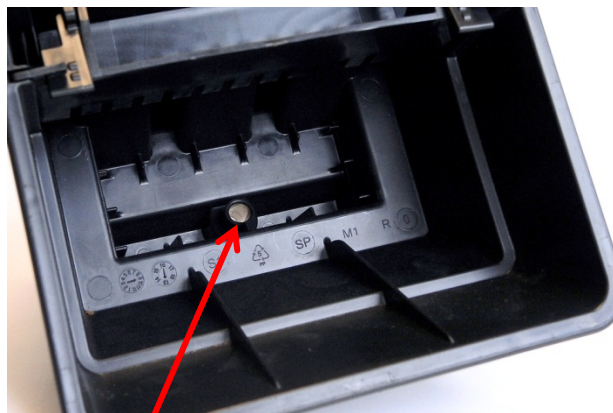
- 8.1 Connect drainage tube to overflow outlet at base of bottommost row of trays to channel excess water for discharge or reuse according to project requirements



8.2 A short length of tubing may also be connected to the overflow outlets to prevent excess water exiting the outlet of upper trays from splashing when it strikes the Baffle Plate of the lower trays in loose planting.

9. Plug Overflow Outlet (if required)

9.1 Plug overflow outlet at base of tray to retain water in reservoir according to project requirements

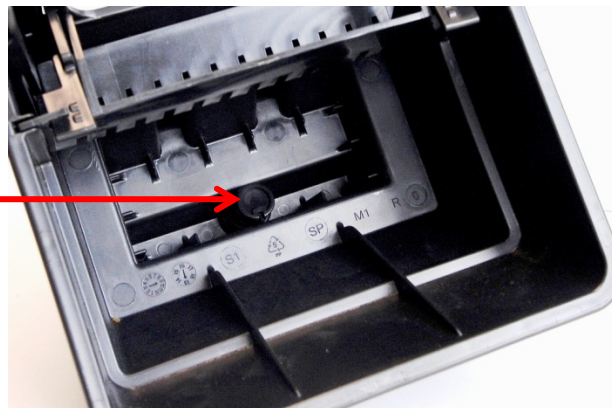


OVERFLOW OUTLET



PLUG

PLUG INSERTED



10. Inspection & Maintenance

- 9.1 Follow a routine inspection and maintenance regime
- 9.2 Ensure smooth running of irrigation system
- 9.3 Weed invasive unwanted growth away
- 9.4 Remove dead leaves

9.5 Trim or prune plants that have become overgrown

9.6 Replace plants/trays if necessary



COMPLETED VGP GREEN WALL WITH BUTTERFLY DECORATIONS