tevagrow™ & FALK BUILT™

LIVING WALL ASSEMBLY MANUAL

INDEX

SPECIFICATIONS

Product	Tevagrow™ Living Wall: Model "A".
Dimentions	Width: 48" x Height: 96" x Depth: 16"
Power supply	Input: 100–220V ~50/60Hz 2.0A | Output: 24V⎓2.0A
Power consumption	48W
Plants capacity	72 x
Water reservoir capacity	≈22.0 gallons | ≈ 84 liters

REQUIRED TOOLS/ITEMS

Screw drill	1 x
Drillbits for wood	⅝"
Protective glasses	1 x
Flathead screwdriver	1 x
Protective gloves	1 x
Water for the reservoir	≈22.0 gallons | ≈ 84 liters

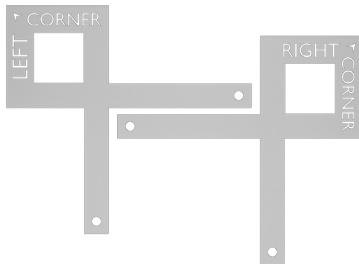Make sure you resycle all plastic elements properly after install.

WHAT'S IN THE BOX

Front view	Side view	Back view

Be aware of the sharp screw tips at the back side of the panel.
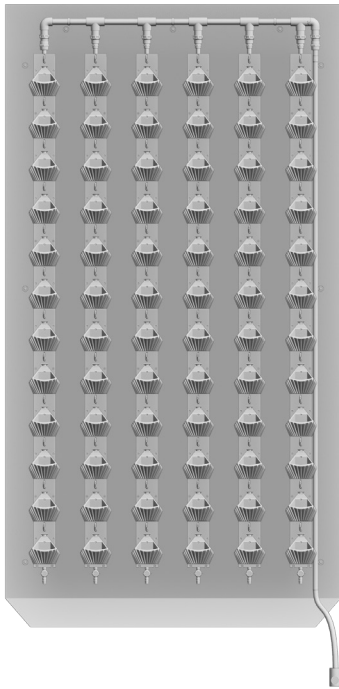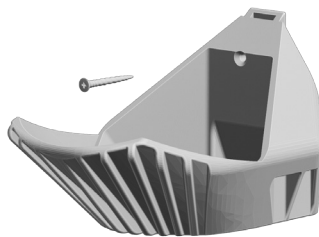
1 x Tevagrow™ system

2 x alignment plates

72 x plant pot cradles with securing screws

9 x sets of ¼" bolts with washers & nuts

1 x water reservoir (with protective film)

Smart Wi-Fi socket + Manual Socket

Scan to view supportive assembly video

STEP 1: DRILLING AND ALIGNING HOLES

Carefully position the alignment plates with the words "LEFT CORNER" and "RIGHT CORNER" accordingly to the corners of the Falkbuilt panel. Drill 2 x ⅝" holes through the panel using the holes provided in the alignment plate. (See Figures 1.1–1.3)
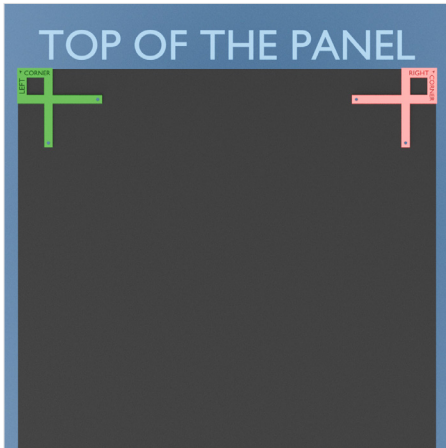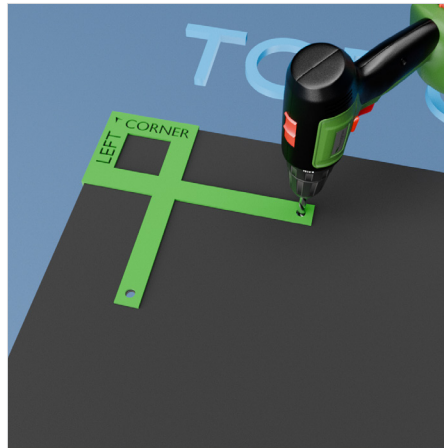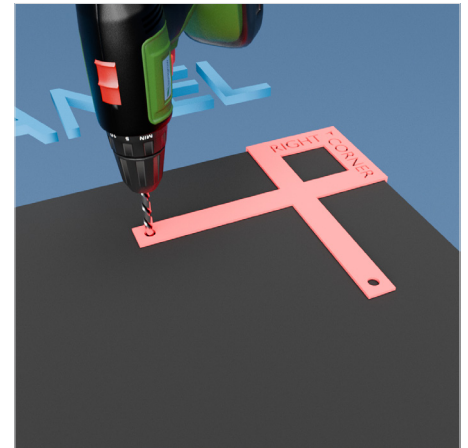

Figure 1.1

Figure 1.2

Figure 1.3

Lay the Tevagrow™ system on top of the Falkbuilt panel. Remove only the four green-labled plastic caps using a screwdriver. Keep red-labled caps untouched during this step. Line up all pre-drilled holes on the Tevagrow™ system with the holes you just drilled. (See Figures 1.4–1.9)
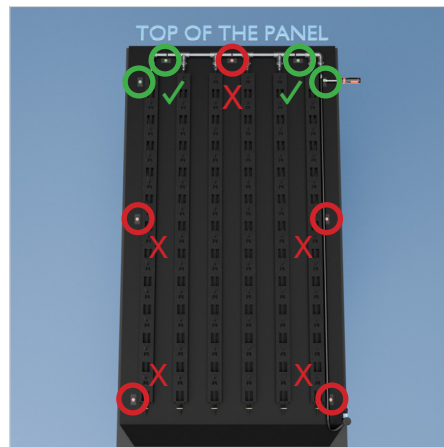

Figure 1.4
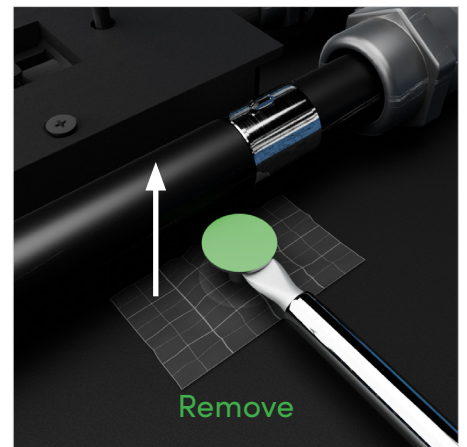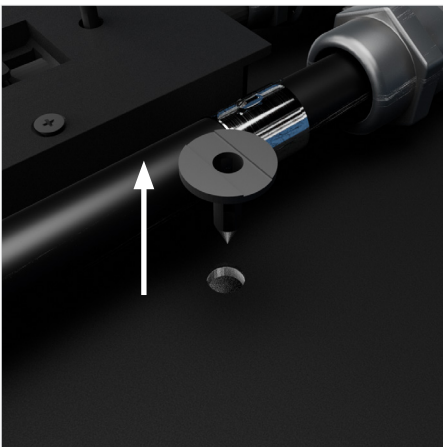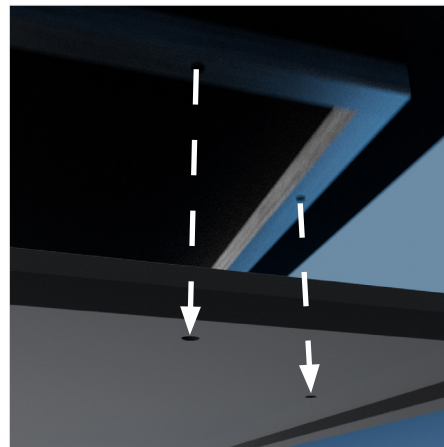

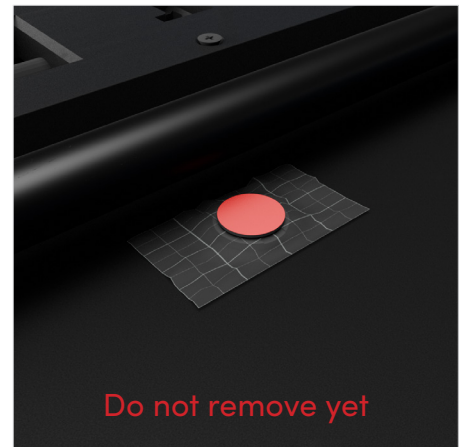
Figure 1.5

Figure 1.6

Figure 1.7

Figure 1.8

Figure 1.9

Locate 4 x bolts, 4 x nuts, 8 x washers. Place 1 x washer around each of the four holes. Place 1 x washer underneath the panel. Secure with nuts. (See Figures 1.10–1.13)
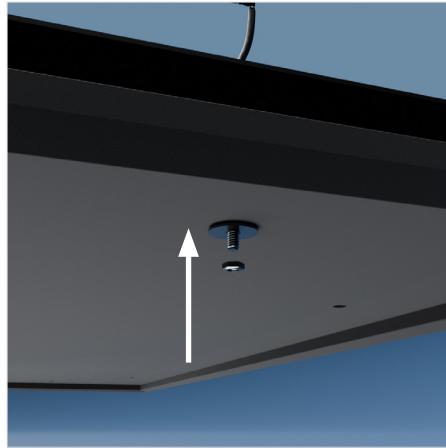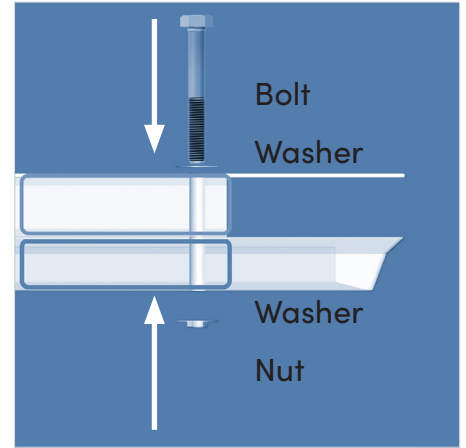

Figure 1.10

Figure 1.11

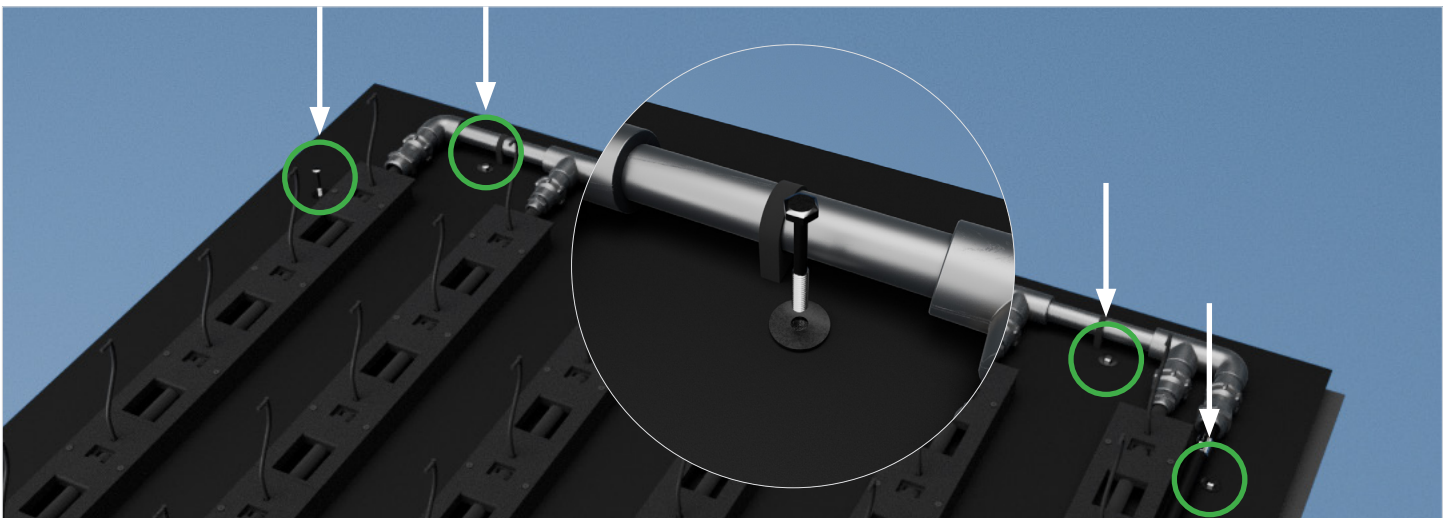Figure 1.12

Bolt
Washer
Washer
Nut

Figure 1.13

After securing the Tevagrow™ system to the Falkbuilt panel with the first four bolts, you then place alignment tools on both sides of the panel. Push them inward to the panel as shown below. (See Figures 1.14–1.16)
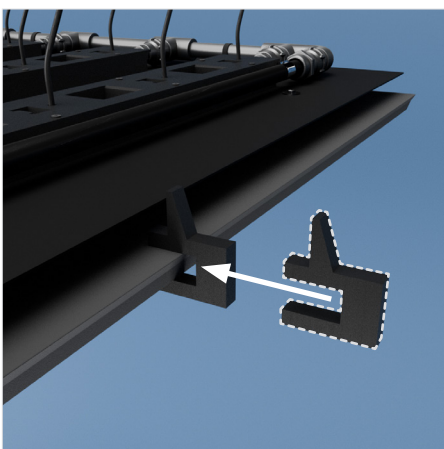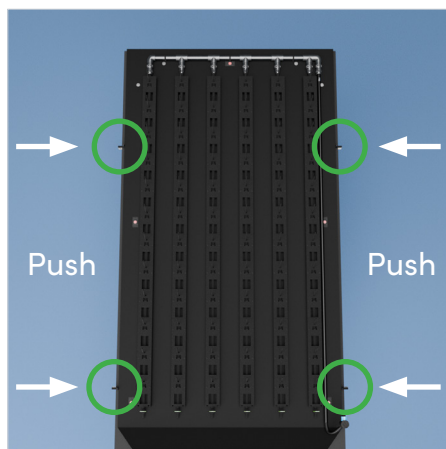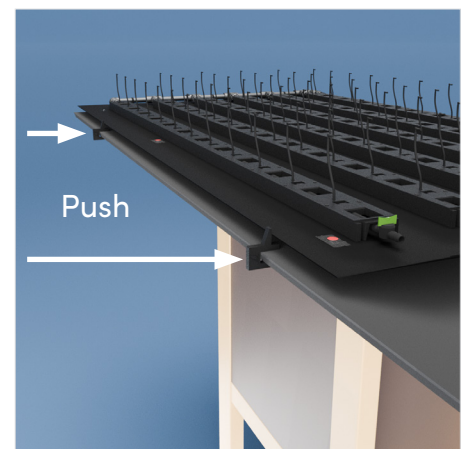

Figure 1.14

Figure 1.15

Push   Push

Figure 1.16

Push

STEP 2: SECURING THE TEVAGROW™ SYSTEM TO THE FALKBUILT PANEL

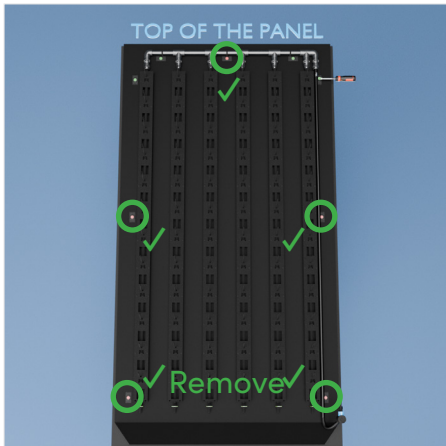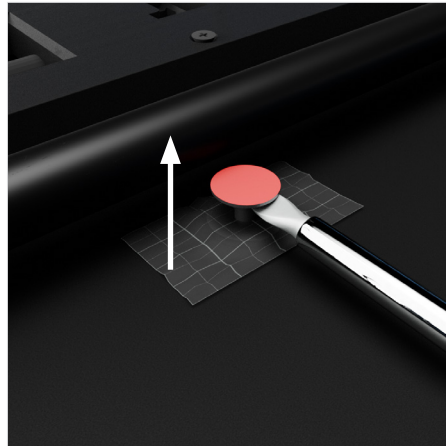Remove remaining five red–labled plastic caps using screwdriver. (See Figures 2.1–2.3)
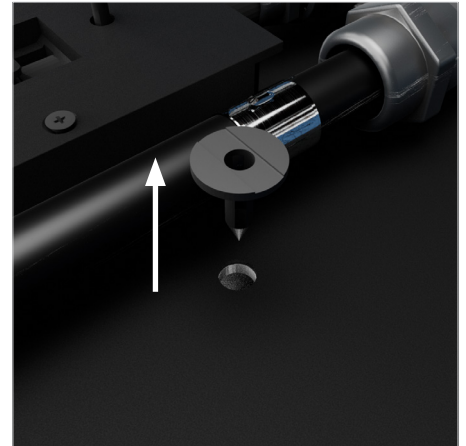

Figure 2.1

Figure 2.2

Figure 2.3

WARNING! Before you proceed please make sure the aligning tools are fully pushed inward from both the left and right sides. The gap between Falkbuilt panel edge and Tevagrow™ aluminum plate should be ¾" from both left and right side. (See Figures 2.4–2.6)
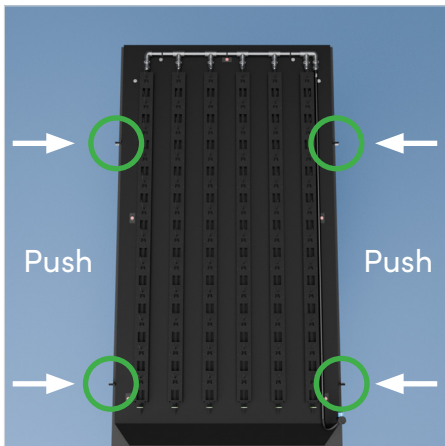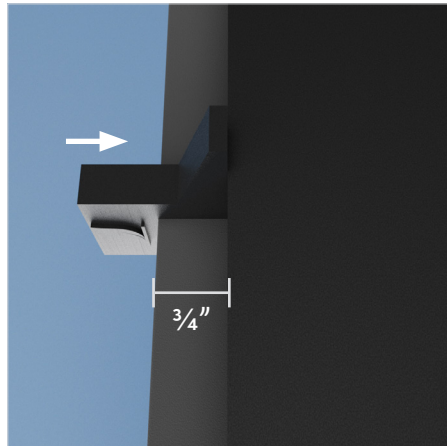

Figure 2.4

Figure 2.5
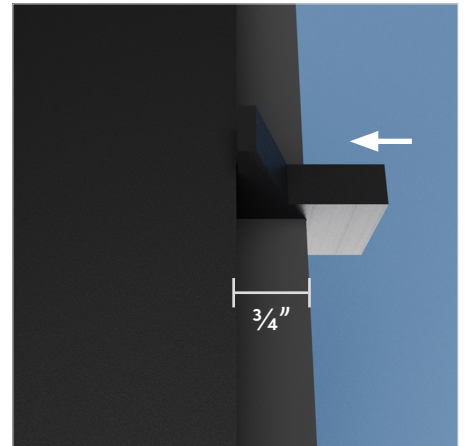

Figure 2.6

Drill 5 x ⅝" holes through the panel using the remaining holes provided in the aluminum. (See Figures 2.7)
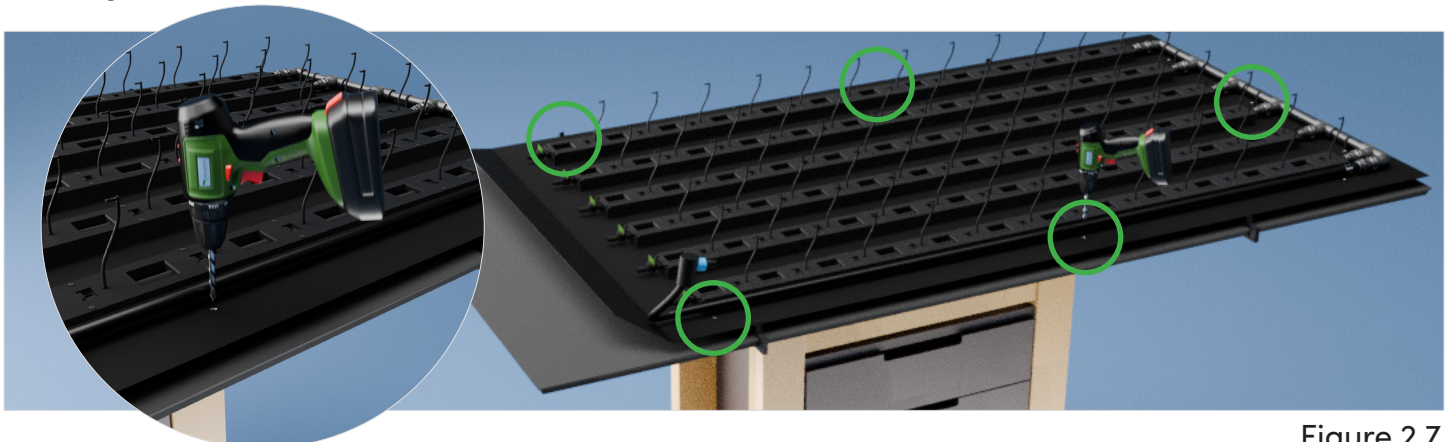
Figure 2.7

Locate 4 x bolts, 4 x nuts, 10 x washers. Place 1 x washer around each of the four holes. Place 1 x washer underneath the panel. Secure with nuts. (See Figures 2.8–2.11)

Figure 2.8

Figure 2.9

Bolt
Washer

Washer

Nut

Figure 2.10

Figure 2.11

WARNING! Before hanging front Falkbuilt panel to the base Falkbuilt panel please make sure you have firmly secured and tightened all bolts. After that you can remove alignment tools from each side of the panel.

STEP 3: INSTALLING PLANT POT CRADLES
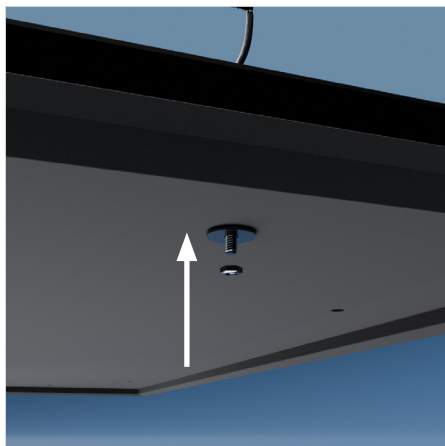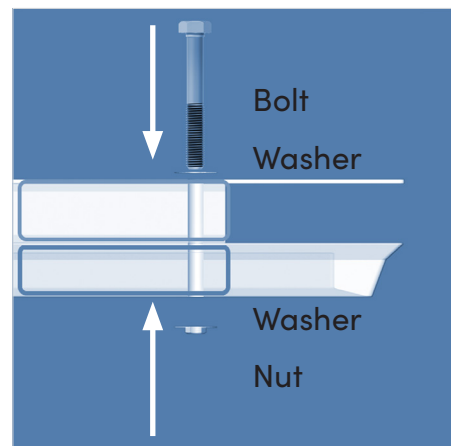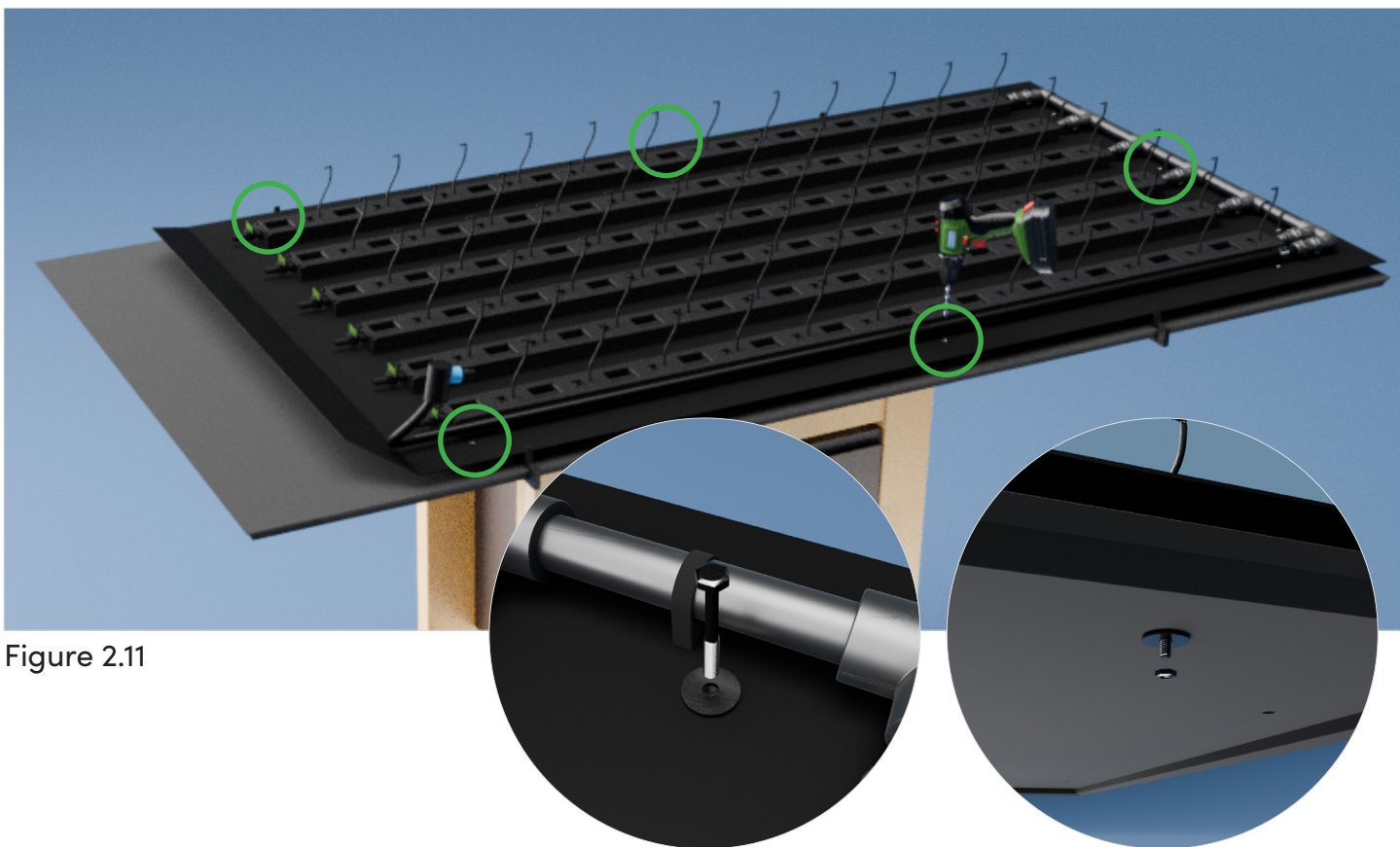
Locate all 72 x plant pot cradles. Install all 72 x plant pot cradles by pushing them in above the clip and sliding down until they catch. Insert 1 x 1" screw into each plant cradle hole and tighten. (See Figures 3.1–3.5).
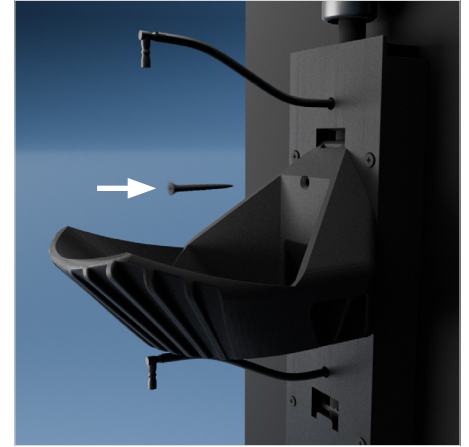

Figure 3.1

Figure 3.2

Figure 3.3

Figure 3.4

Check all water valves to be in horizontal position (closed). (See Figure 3.5)

Figure 3.5

8

STEP 4: INSTALLING RESERVOIR AND PUMP

Place the 1 x reservoir underneath the aluminum plate by angling it underneath and straightening it out. Fill reservoir with water up to the max fill line. Remove the protective film from the reservoir. (See Figures 4.1–4.3)
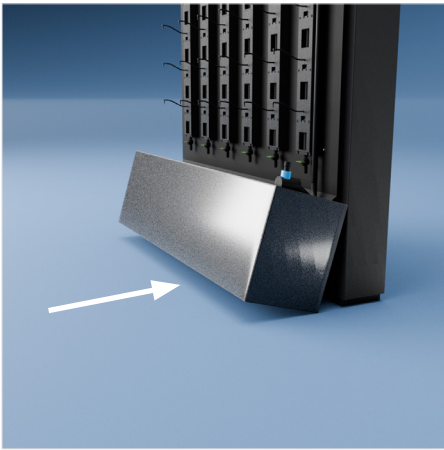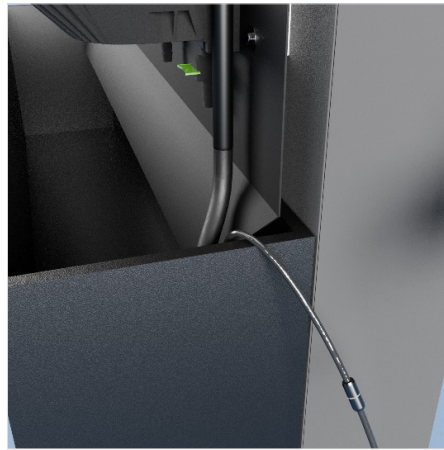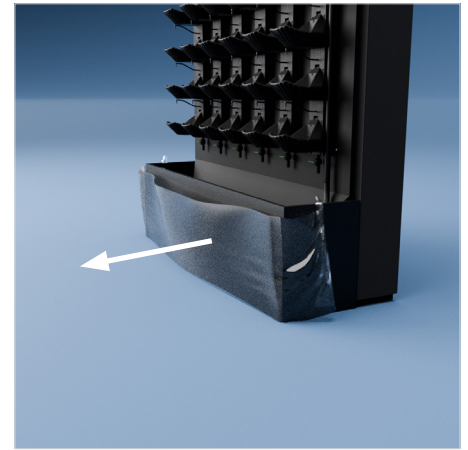

Figure 4.1

Figure 4.2

Figure 4.3

WARNING! NEVER turn the pump ON without first placing water into the reservoir! (See Figure 4.4)
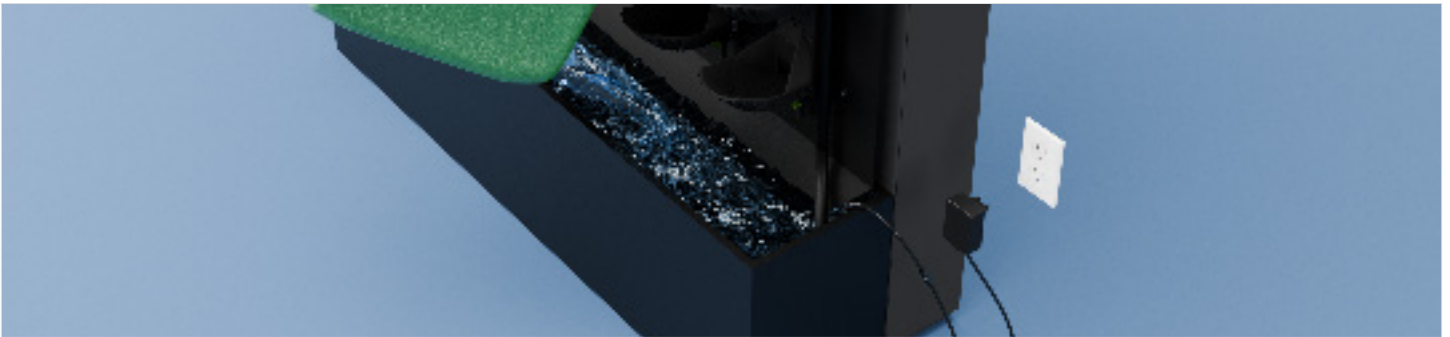

Figure 4.4

WARNING! Ensure that NO pump cable connection parts come into contact with water! (See Figure 4.5) Connect the pump to power. Ensure that all of the drippers are working while the pump is ON. (See Figure 4.6) NOTE! When first starting up, the system will make a hissing sound until it has forced the air out of the line. This may take up to one minute.
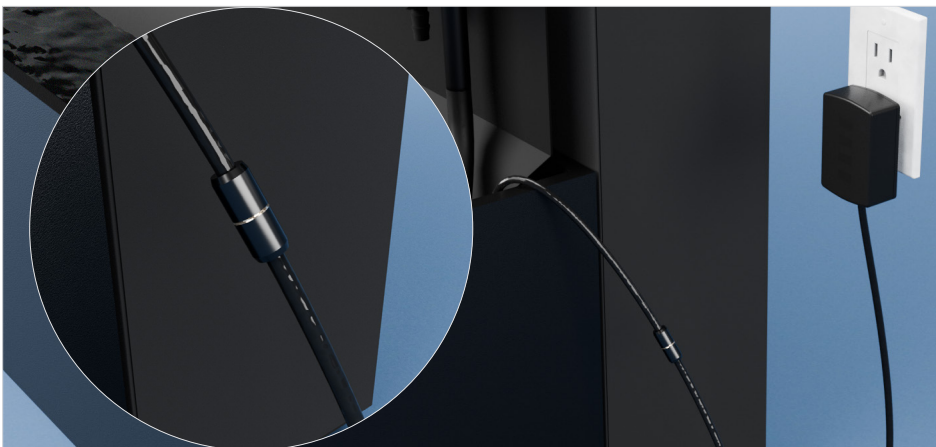

Figure 4.5

Figure 4.6

STEP 5: ADDING POTTED PLANTS

Locate 72 suitable plants in 4" pots. Pots must be plastic for the hole punch to work. Push the hole punch as far down as it will go on the pot edge before punching. Place each potted plant into a plant pot cradle and insert a dripper elbow into each hole. (See Figures 5.1–5.6) NOTE! The dripper must be on the top and not off to the side. (See Figure 5.5)

Figure 5.1

Figure 5.2
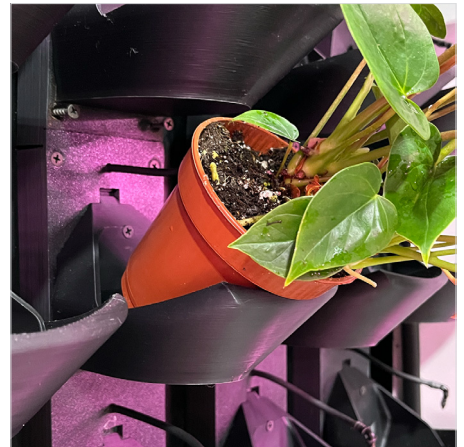

Figure 5.3

Figure 5.4

Figure 5.5

Figure 5.6

NOTE! If you are planning to use 6" pots or 1 Gallon pots, you have to remove every second vertical plant pot cradle. (See Figure 5.7)

STEP 6: SMART SOCKET PLUG AND PUMP

Plug the smart socket into the power source, but DO NOT plug the pump into the smart socket yet. (See Figures 6.1–6.3) Download the Tevagrow™ app from the Apple Store or Android Play Market.
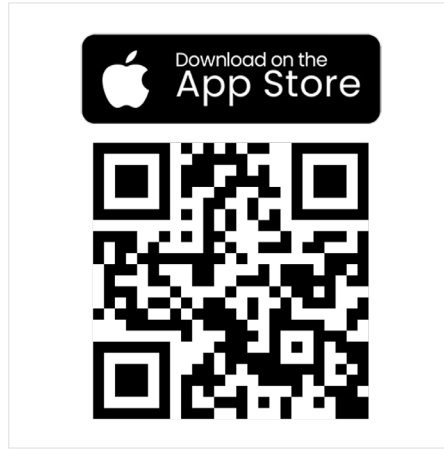

Figure 6.1

Figure 6.2

Figure 6.3

Follow instructions in the Tevagrow™ app to add the product. Once finished, connect the pump to the smart socket. (See Figure 6.4)
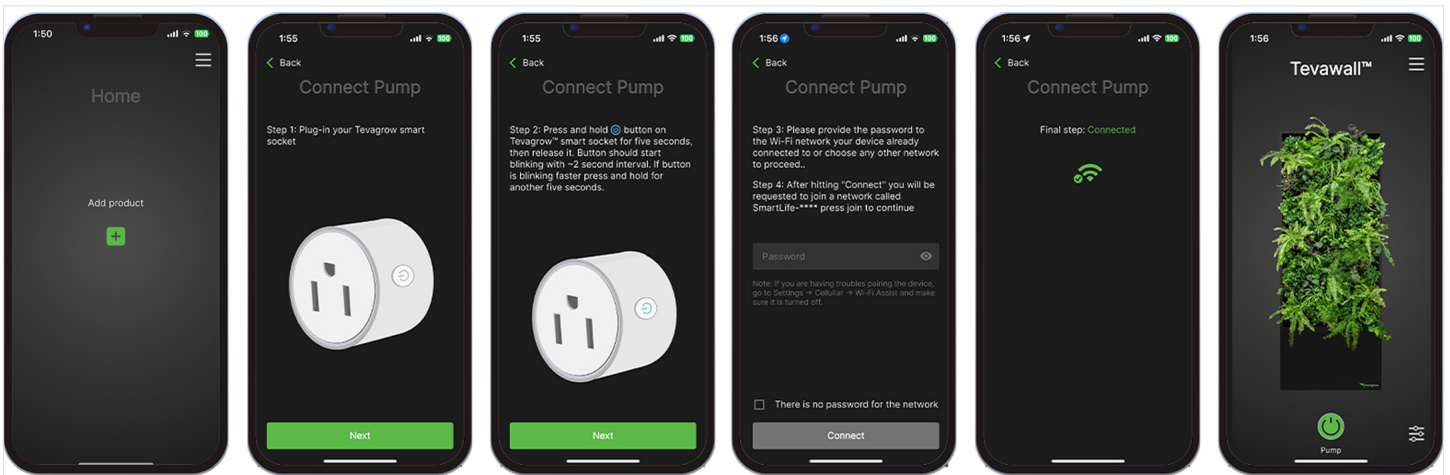

Figure 6.4

After a successful connection, you may control the unit remotely or simply set up a timer(s).
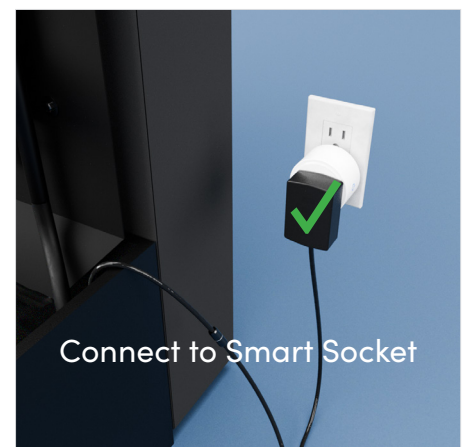(See Figure 6.5)

Figure 6.5

STEP 7: CONNECTING AN ADDITIONAL SMART SOCKET IN THE APP FOR SUPPLEMENTAL LIGHTING (OPTIONAL)

NOTE! If you require supplemental lighting for your wall, you can connect an additional smart socket in the Tevagrow ™ app.

1. Select your product settings icon (See Figure 7.1)
2. Select "Light" (See Figure 7.2)
3. Toggle "Enabled" (See Figure 7.3)
4. Select "Save" (See Figure 7.3)
5. On home screen, select "Add Light" (red alert icon) (See Figure 7.4)
6. Set up connection to the second smart socket following the pump connecting instructions from STEP 6 .
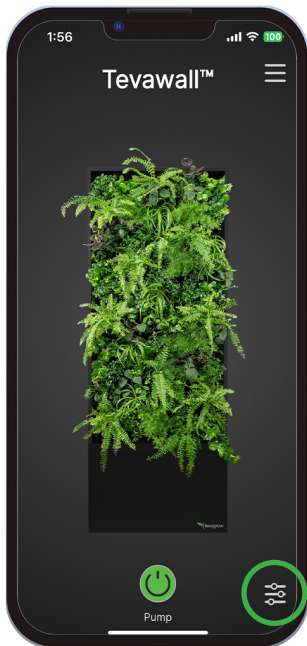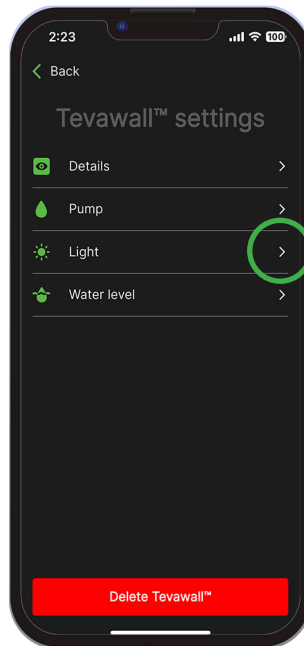7. Use lights in app either in manual mode or set up a timer (See Figure 7.5)
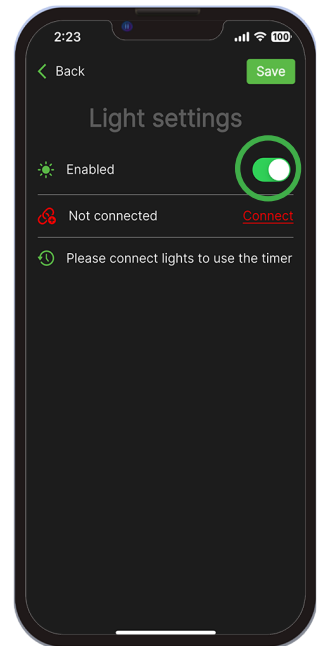

Figure 7.1

Figure 7.2

Figure 7.3

Figure 7.4

Figure 7.5

tevagrow

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