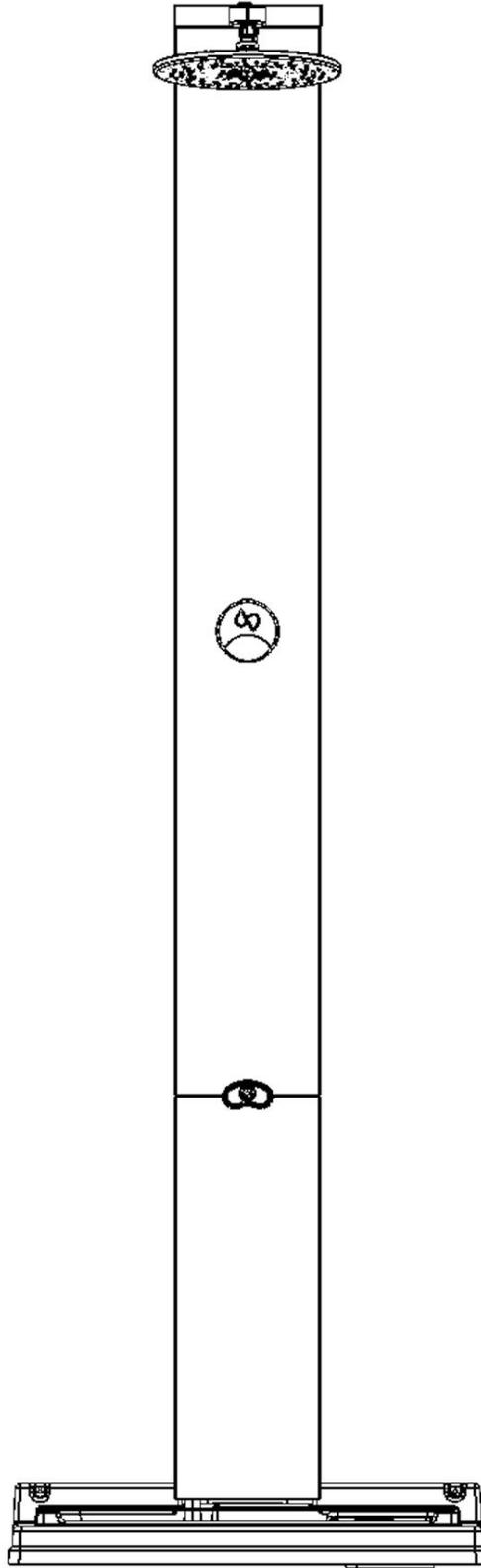




## Technical Installation Guide



View our **How To install**  
video on YouTube





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## ABBREVIATIONS GLOSSARY

AWG	American Wire Gauge	PSI	Pounds per Square Inch
GFCI	Ground-fault Circuit Interrupter	WiFi	Wireless Fidelity
GHz	Gigahertz		





## PREREQUISITES PRIOR TO INSTALLATION

### ARCHITECTURAL

- A tiled shower floor; RainStick is not intended for bathtubs
- A shower ceiling that is at least 85 inches (2159 mm) high
- A curbed shower floor
- If it is intended to operate the shower in areas of hard water (above 200 ppm temporary hardness), a scale inhibitor/water softener should be fitted.

### ELECTRICAL

- GFCI-protected electrical circuit (120V, 60Hz, 2 amps) with waterproofed rated electrical wire (main junction box included within product for field connection)
- A WiFi 2.4 GHz network (recommended)

### PLUMBING

- Hot water supply of 130°F (55°C) at the point of dispense (recommended), or 120°F (49°C) at minimum.
- Hot/cold inlets - 1/2 inch diameter (38 mm)
- Minimum water pressure hot/cold inlets at 43.5 PSI (3 bar)

### BEFORE YOU BEGIN

Observe all local plumbing and building codes.

Inspect the water supply piping for damage. Replace as necessary.

## IMPORTANT NOTES TO CONSIDER

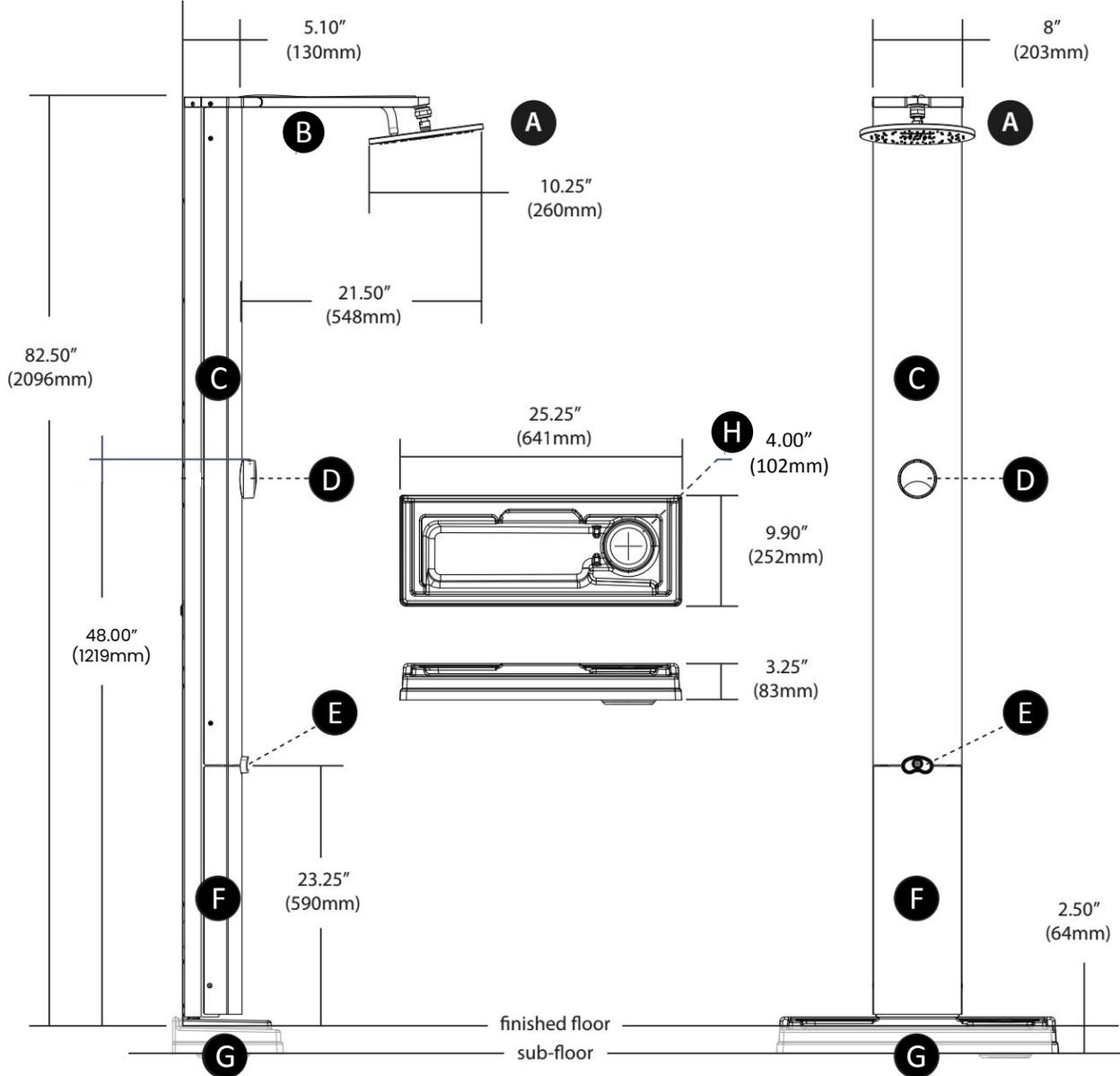
1. A shower cavity that is not fully enclosed or is open on one or more sides may affect the efficiency of the installed RainStick.
2. The RainStick reservoir requires the P-trap to be at a designated location for it to align to its drain. Inspect the intended area of installation to ensure that there are no obstructions at the subfloor level or below.
3. The front catchment of the reservoir needs to remain unobstructed at all times. The maximum allowable floor tile thickness is 12 mm.
4. RainStick uses its own *Original Cleaning Product* to maintain hygiene and cleanliness while optimizing the system's performance. RainStick is not intended to be used with any other cleaning product. **Using other products will result in a void of warranty.**
5. For ADA compliant installations, please contact us at [support@rainstickshower.com](mailto:support@rainstickshower.com) for further information and adaptation support.

## PLEASE CONTACT RAINSTICK

For installation help or issues with the product at [support@rainstickshower.com](mailto:support@rainstickshower.com).



## GETTING TO KNOW YOUR RAINSTICK SHOWER



### PARTS LIST

- A. Showerhead
- B. Shower Arm
- C. Shower System with Front Enclosure
- D. Main Controller
- E. Foot Spout / Handheld Shower Connector
- F. Cleaner Dispensing Compartment
- G. Reservoir

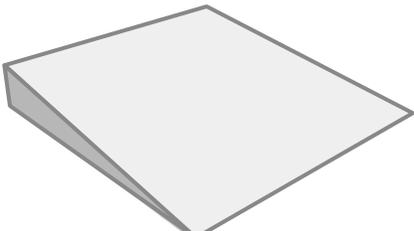
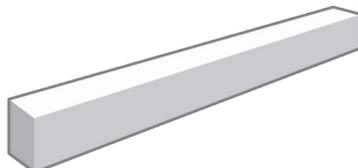
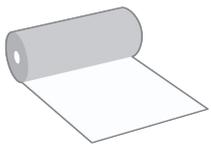
### RESERVOIR COMPONENTS

(Included however not shown above)

- H. Reservoir Drain
- I. Pump Intake
- J. Micron Screen
- K. Reservoir Passive Drain Plug

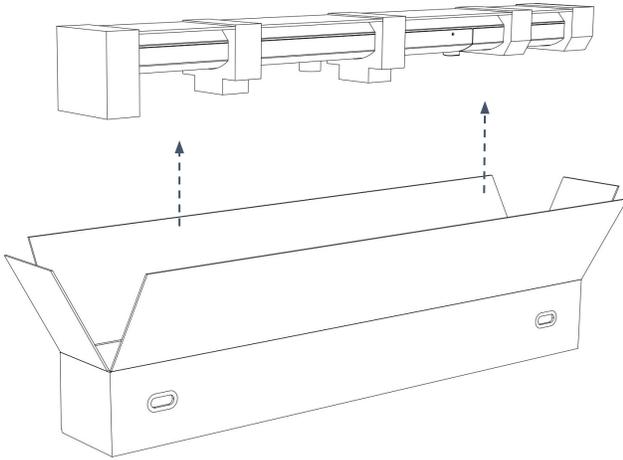


## SUGGESTED SHOWER STALL COMPONENTS NOT INCLUDED

DESCRIPTION	IMAGE
Prefabricated Sloped Shower Base <i>(REQUIRED: Schluter KERDI-Shower-LTS KSLT965/1930S)</i>	
Prefabricated Waterproof Shower Curb	
Waterproofing Strip Seals	
Single-Component Sealing and Bonding Compound	
Unmodified Thin-Set Mortar <i>(Suggested: Schluter All-Set Thin-Set Mortar)</i>	
Compensating Layer <i>(Suggested: Plywood, Cement Board, high density foam, etc.)</i>	



## STEP 1: Unbox the RainStick



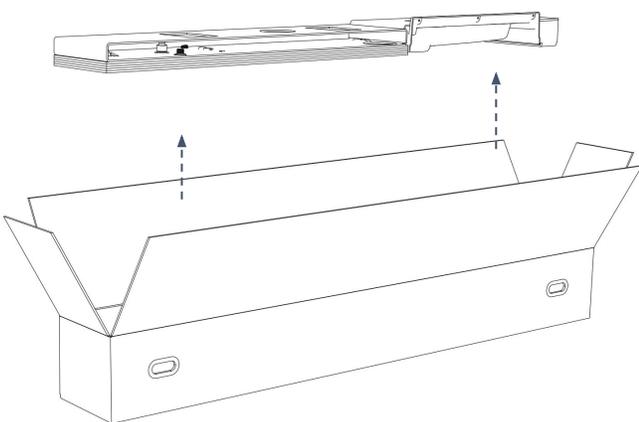
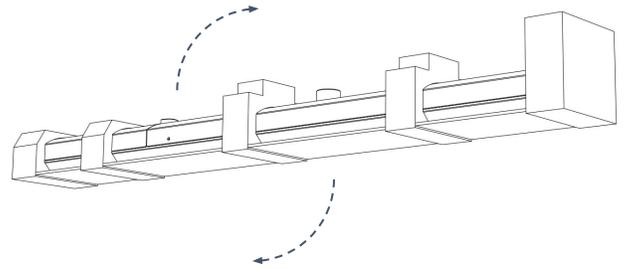
A

Gently lift the RainStick System out of the box.

**NOTE:** We strongly recommend that this be done by two people.

B

Turn the RainStick facing up before laying it on a soft, non-abrasive, surface.

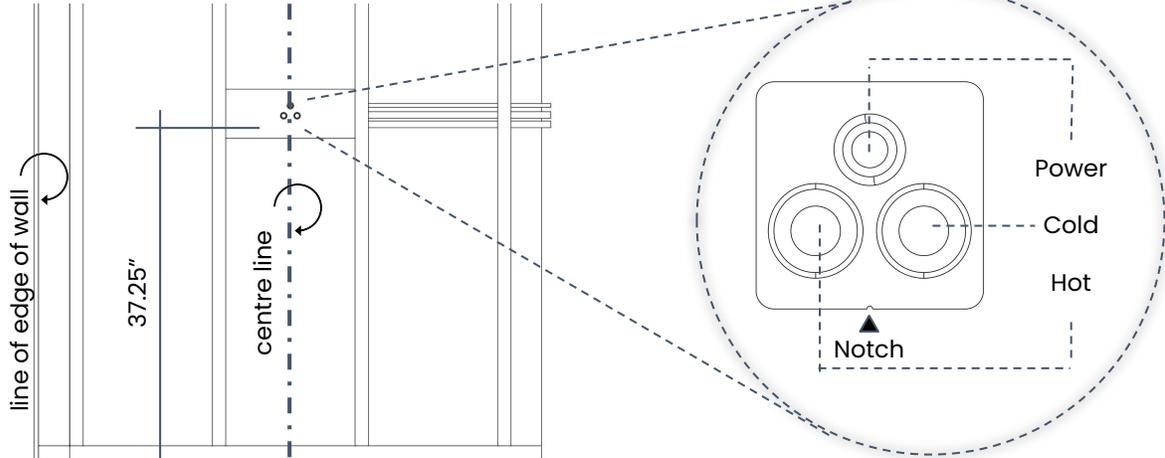


C

Remove the component trays below and place aside.



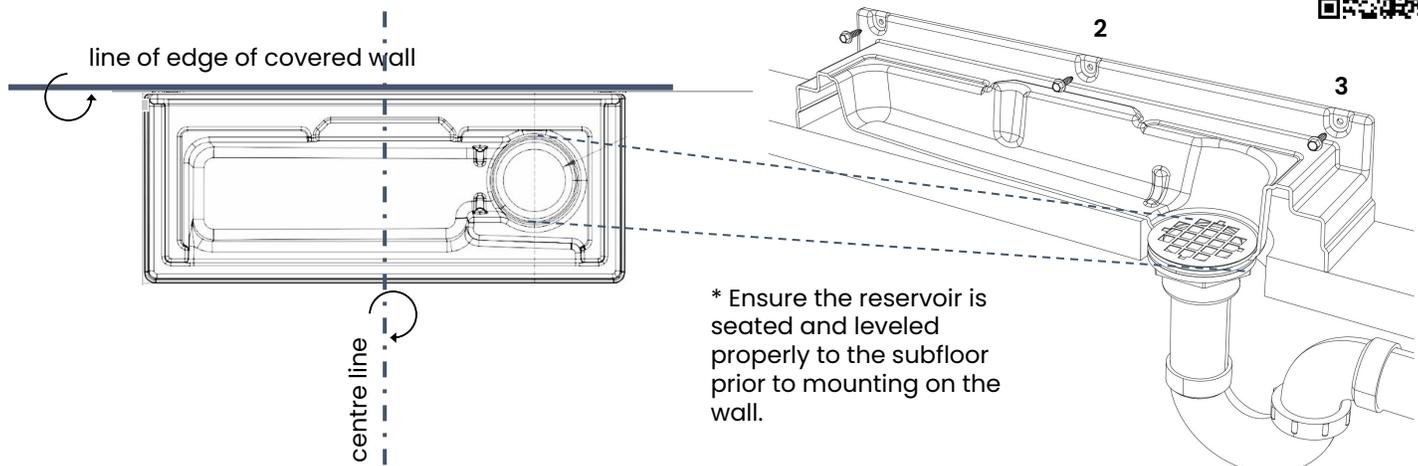
## STEP 2: Determine the Location of Installation and Water / Electrical Supply



From the centre point of installation (where the sub-floor meets the wall), vertically measure **37.25" (946 mm)** and mark this measurement with a writing tool. Using the **Utility Bracket** provided, align the centre notch to the wall marking. Trace the location of the rough-ins and use a hole saw to cut these areas. Horizontally route the water and electrical supply accordingly, ensuring that RainStick mounting points are clear of obstruction. **Refer to page 16 for further details.**

**NOTE:** When finding the center point of installation, account for the membrane and tile offset of all surrounding finished walls and curb.

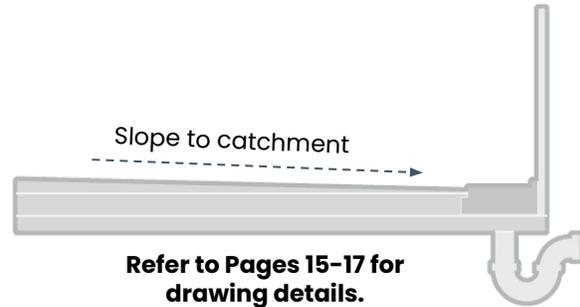
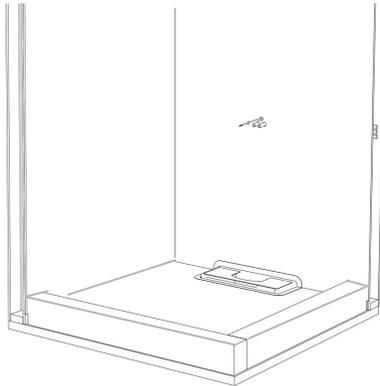
## STEP 3: Position the Sanitary Drain (P-Trap) and Install the Reservoir



Once all rough-ins have been routed to their designated location, install the wall coverings in the shower area. Determine the location of the P-trap below the sub-floor by using the **Reservoir** provided and aligning its midpoint to the centre point of installation. Trace the location of the **Reservoir Drain** and use a **5"** hole saw to cut a hole on the sub-floor surface. Once the P-trap is aligned to the cut location, use plumbers putty to properly seal the reservoir drain to the P-Trap. Use three wood screws to secure the reservoir to the wall. **Refer to page 17 for further details.**

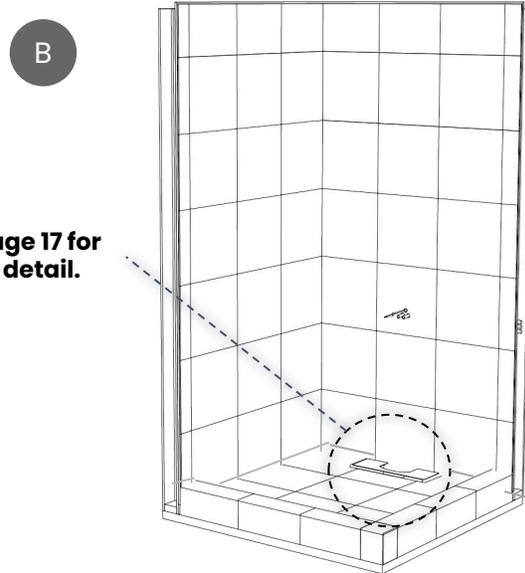
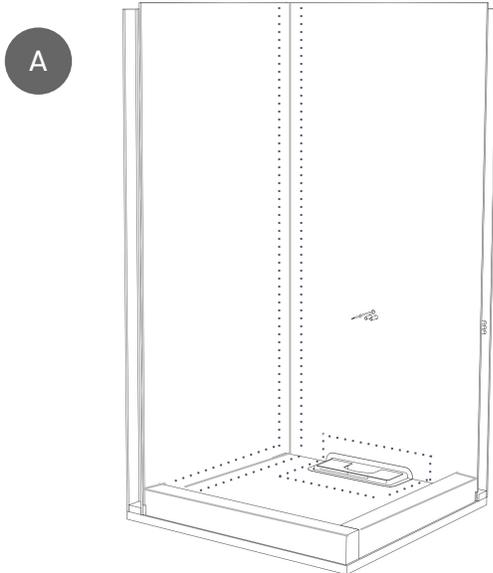


#### STEP 4: Install a Compensating Layer, Shower Base, and Shower Curb



Raise the floor level to the indicated line of the reservoir at  $\frac{3}{4}$ " (19 mm) using a compensating layer (ex. cement board, plywood, or high density foam). Next, pre-measure and cut the location of the reservoir on the prefabricated sloped shower tray before installing above the raised floor. Once ready, Install or build a shower curb around the shower area where applicable. **Refer to page 16 for further details.**

#### STEP 5: Waterproof the Shower Area and Install the Floor / Wall Tile

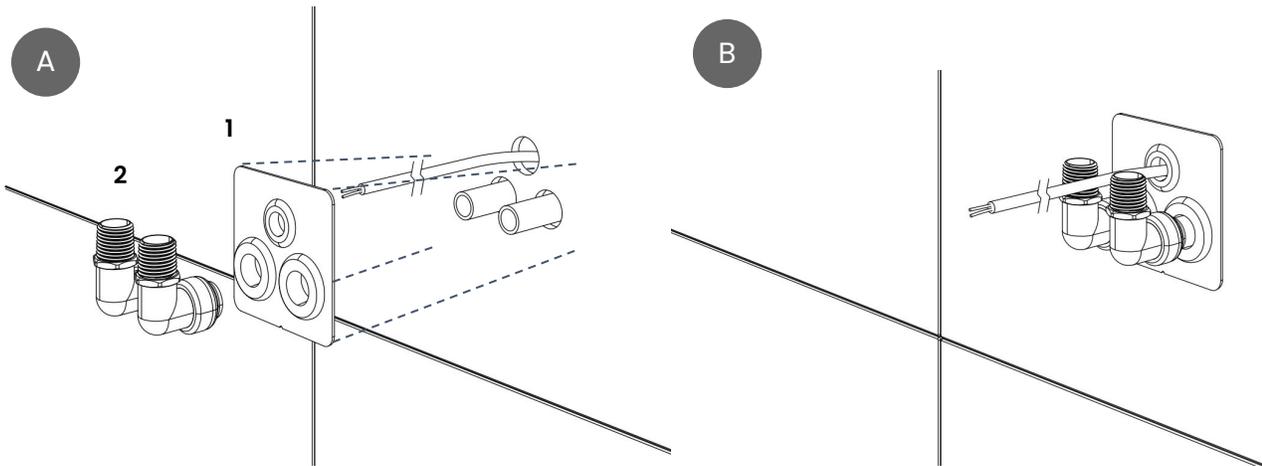


Install waterproofing membrane to all areas required. Apply sealing compound and strip seals along the reservoir's edges to ensure it is adequately adhered to the prefabricated shower base. This will provide a water-tight seal. Install floor and wall tiles when ready using a  $\frac{1}{2}$ " x  $\frac{1}{2}$ " U-shaped trowel. Tile thickness should be within **8 to 12mm** to ensure proper alignment of the RainStick to its reservoir. **Refer to page 16 for further details.**

**NOTE:** The floor tile thickness must **not exceed 12 mm** to guarantee that the front catchment of the reservoir is clear of obstruction. To prevent water from collecting on both sides of the reservoir, build up the tile at a slope to direct water to the catchment.

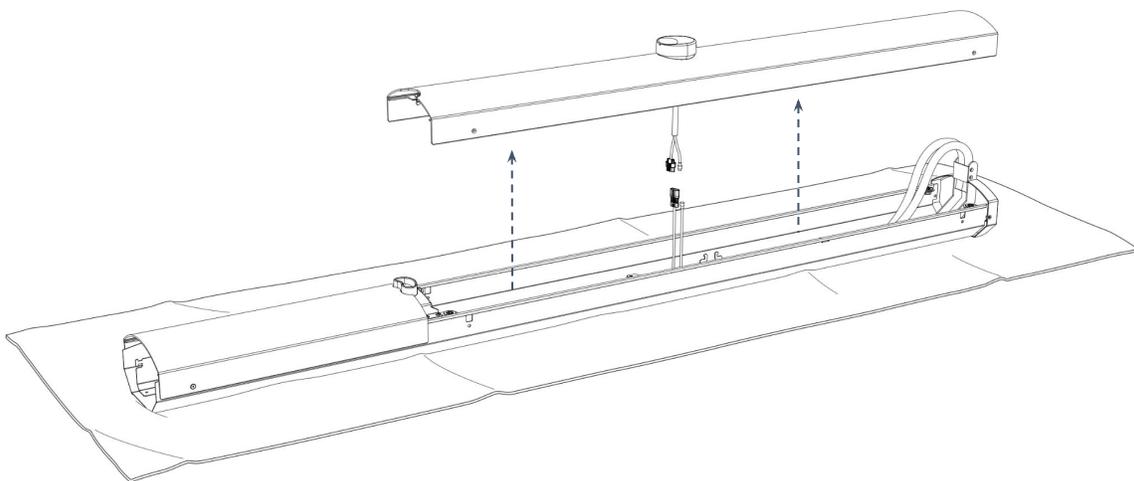


## STEP 6: Mount the Utility Bracket and Route the Water / Electric Supply



Using a **1" (25 mm)** ceramic hole saw, route the rough-ins through the wall tile. Use a bonding compound to align and adhere the provided **Utility Bracket** to the wall, routing and securing the rough-ins through its designated holes. Use the provided rubber grommets to seal off any gaps and allow the bonding compound to set prior to cutting the water lines to **2" (50 mm)** from the tiled wall. Attach the hose quick connectors provided when ready.

## STEP 7: Prepare the RainStick for Mounting

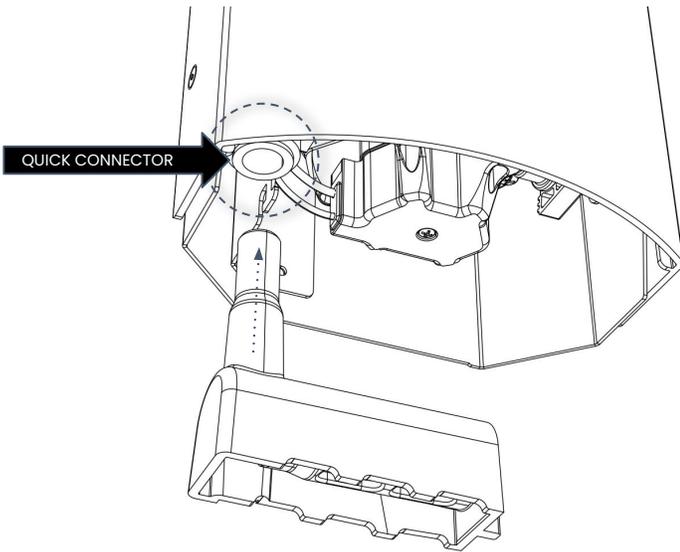


With the RainStick laid on a soft surface, gently lift and detach the shower system's **Front Enclosure** and place it aside.

**NOTE:** We strongly recommend that this be done by two people.



**STEP 8:** Insert the Pump Intake / Micron Screen, and Connect the Sensor Wire

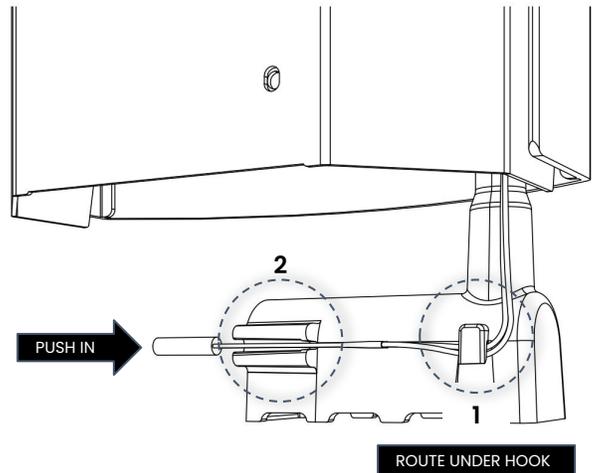


A

Locate the quick connector at the bottom left corner of the **Shower System**. Connect the **Pump Intake** provided by pushing in and locking it into the quick connector.

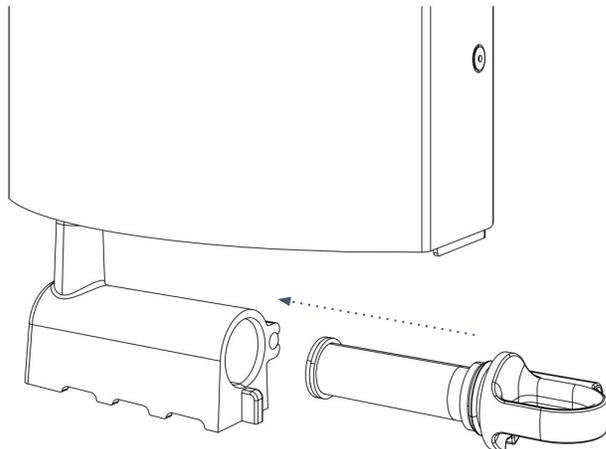
B

Locate the **Sensor wiring** under the Shower System. Run the wire down and across the back of the pump intake and pressure fit the sensor at the back of the pump intake.



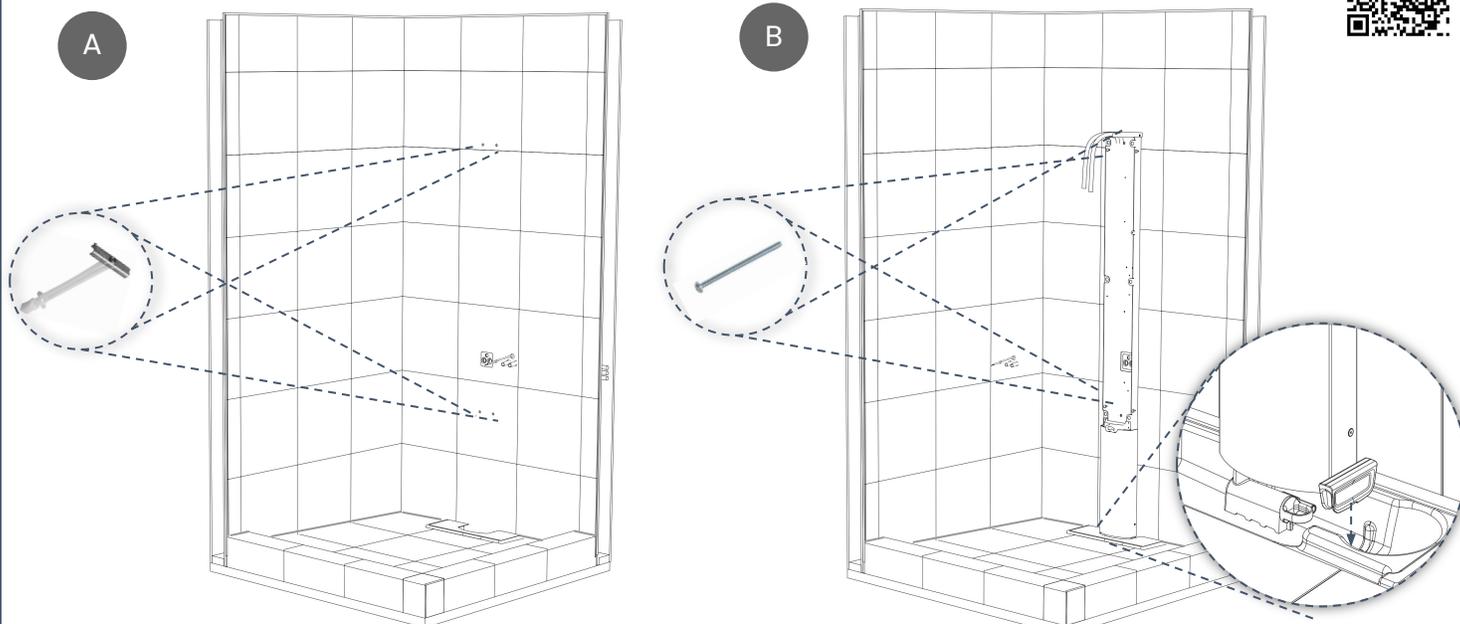
C

Use the **Micron Screen** provided and slide it inside the pump intake, press and lock it firmly into place.





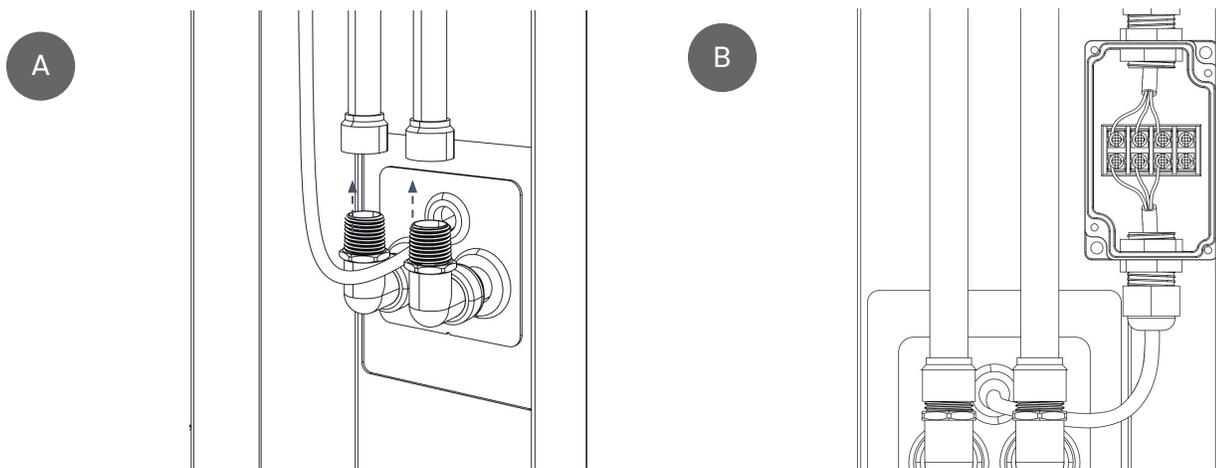
## STEP 9: Mount the RainStick and Connect the Reservoir Plug



Gently lift the **Shower System** and dry-fit it against the shower wall. Place the reservoir cover plate on the reservoir to help you ensure that the shower system is vertically aligned. Using a writing tool, mark the locations of the four (4) mounting holes. Lay the shower system back onto a soft surface and use a  $\frac{1}{2}$ " (13 mm) ceramic drill bit where the marks had been made. Insert the provided Toggle Bolt anchors into the holes and mount the shower system to the wall when ready. Connect the **Reservoir Passive Drain Plug** once mounting is complete.

**NOTE:** Take care not to crack or damage the pump intake during mounting. Do not apply weight or use as a stand.

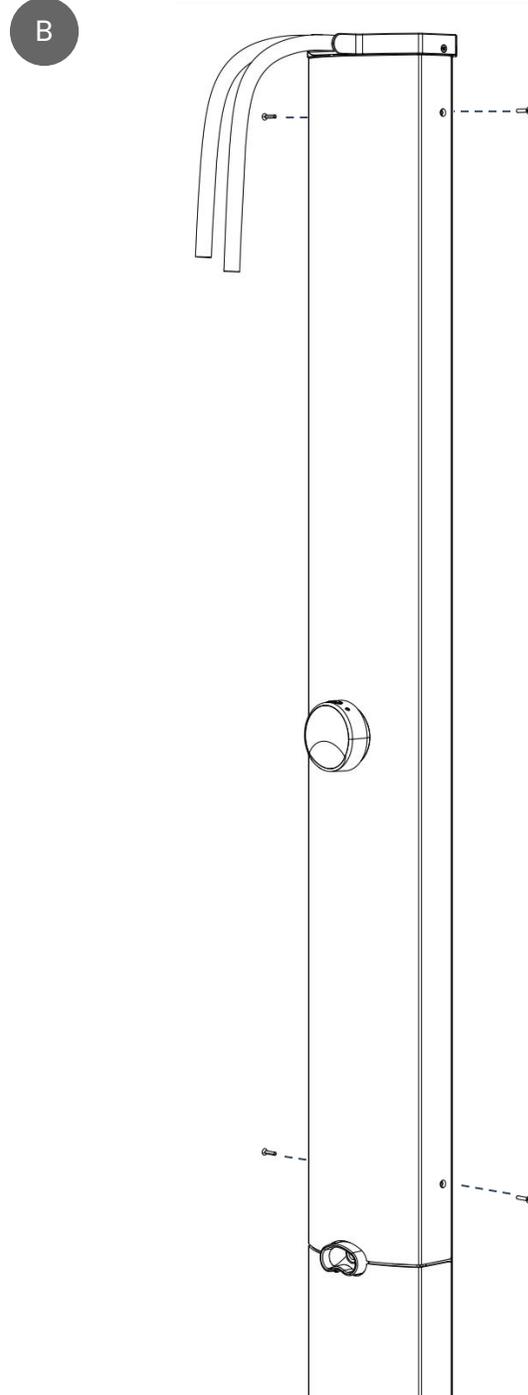
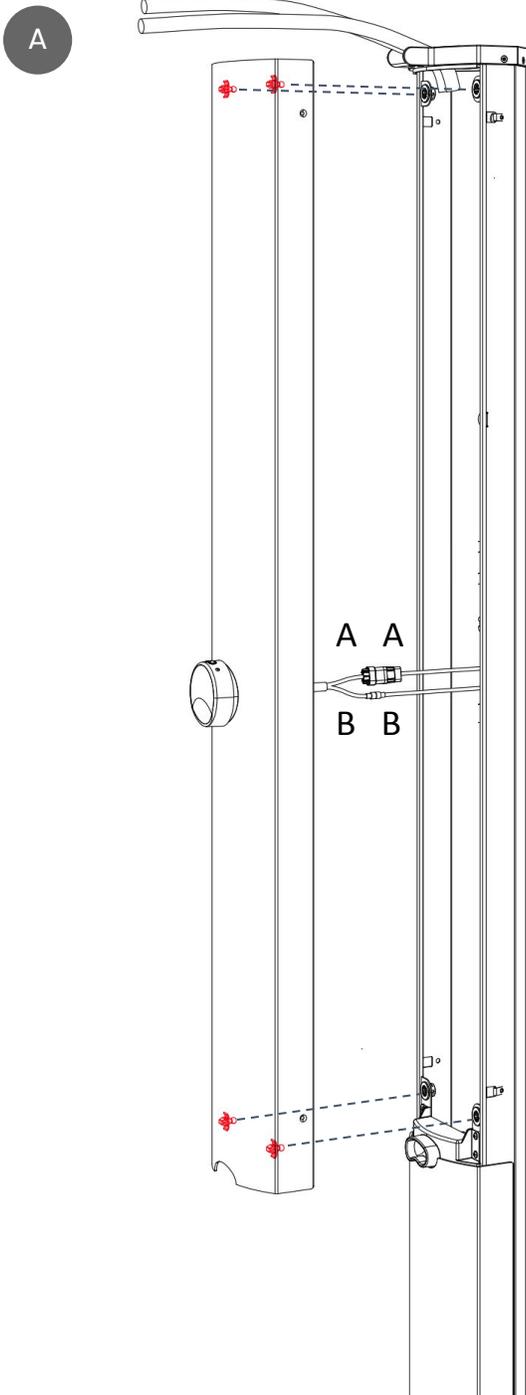
## STEP 10: Route and Connect the Water / Electrical Supply



Connect and secure the water and electrical supply to the RainStick system using the provided connectors. Use plumber's tape on the water lines to avoid leakage. Have a certified electrician connect the power connection at the junction box (in product). **Refer to page 18 for further details.**



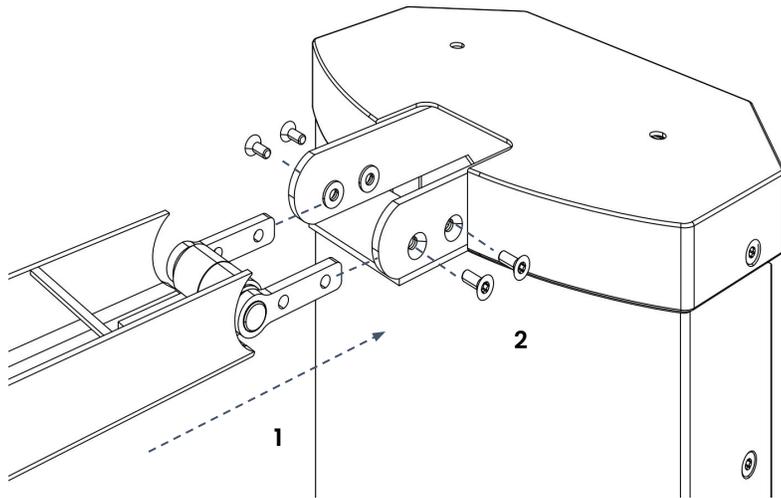
## STEP 11: Reattach the Main Controller and Front Enclosure



When ready, reattach the main controller to the shower system, following the labels. Connect “A” wires together, and “B” wires together. Attach the front enclosure by aligning the snaps inside the enclosure to the RainStick system. Use the provided screws to secure the enclosure on both of its sides.



## STEP 12: Connect the Shower Arm and Showerhead

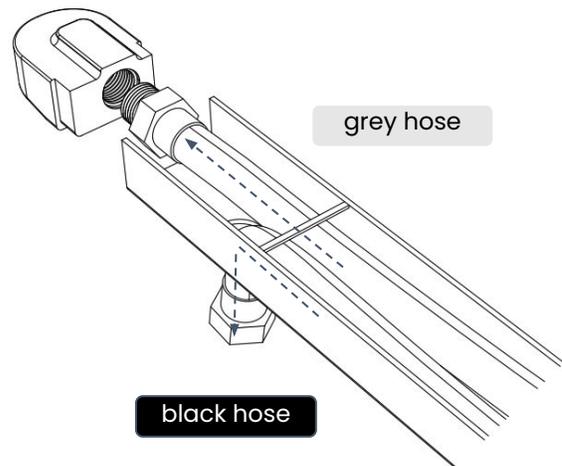


A

Slide the **Shower Arm's** hinge into the top cap of the **Shower System**, and use the four screws provided to connect the two components together.

B

Route the traditional water line (**grey hose**) through the showerhead connector prior to using the screws provided to attach the showerhead connector to the shower arm. Route the circulating water line (**black hose**) through the shower arm bottom opening.

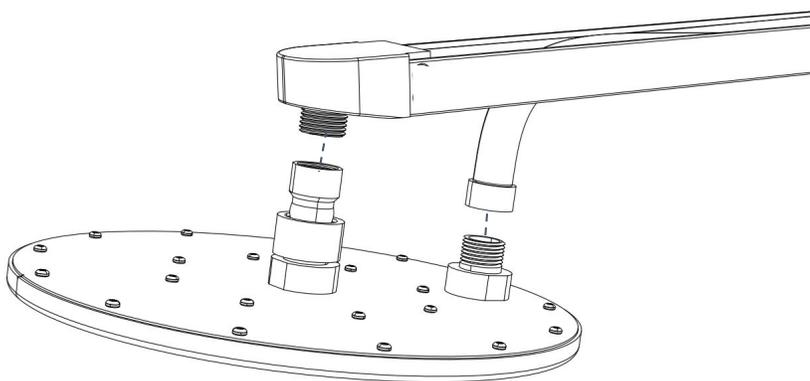


grey hose

black hose

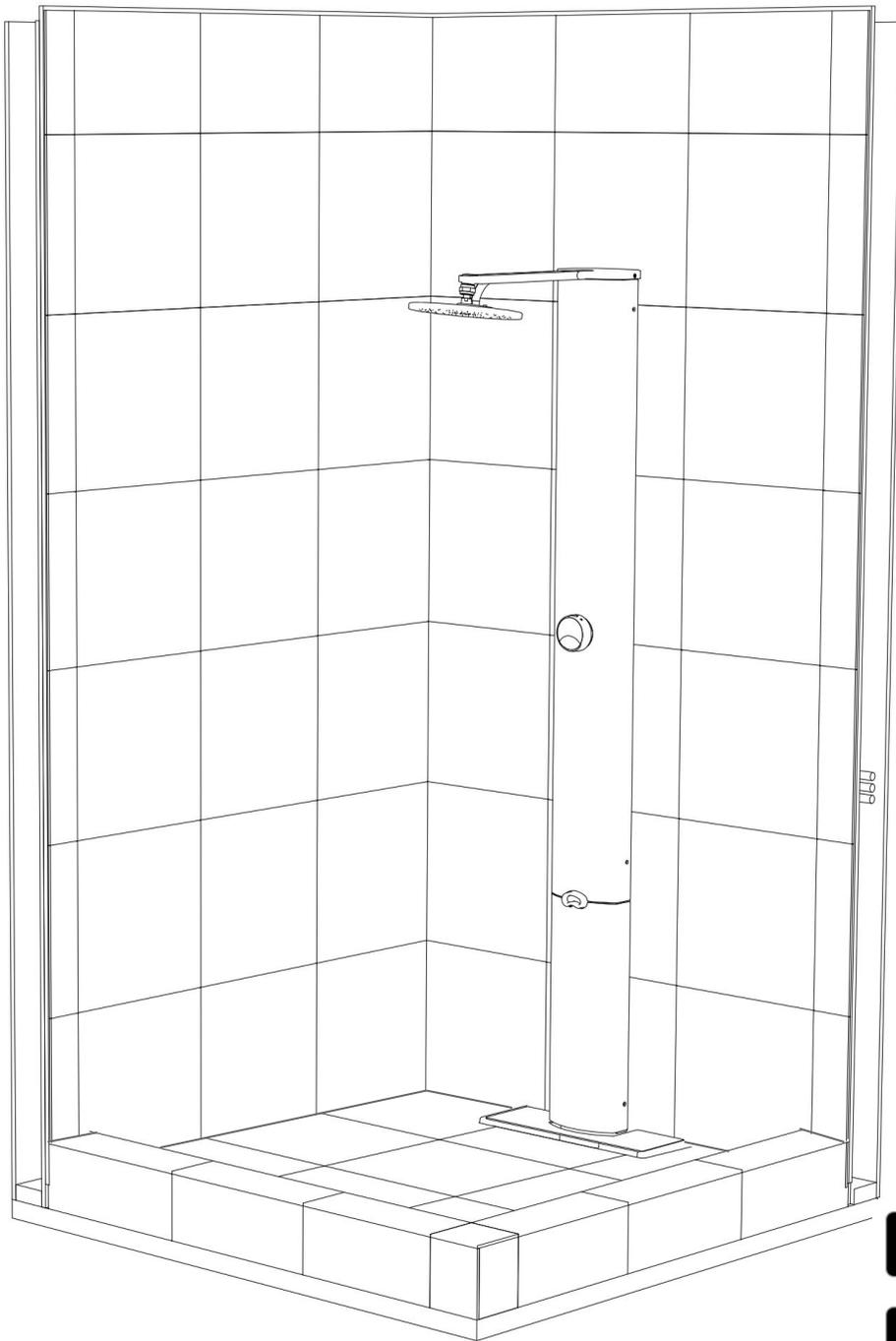
C

Connect the **Showerhead** to the showerhead connector and the water lines to the showerhead.





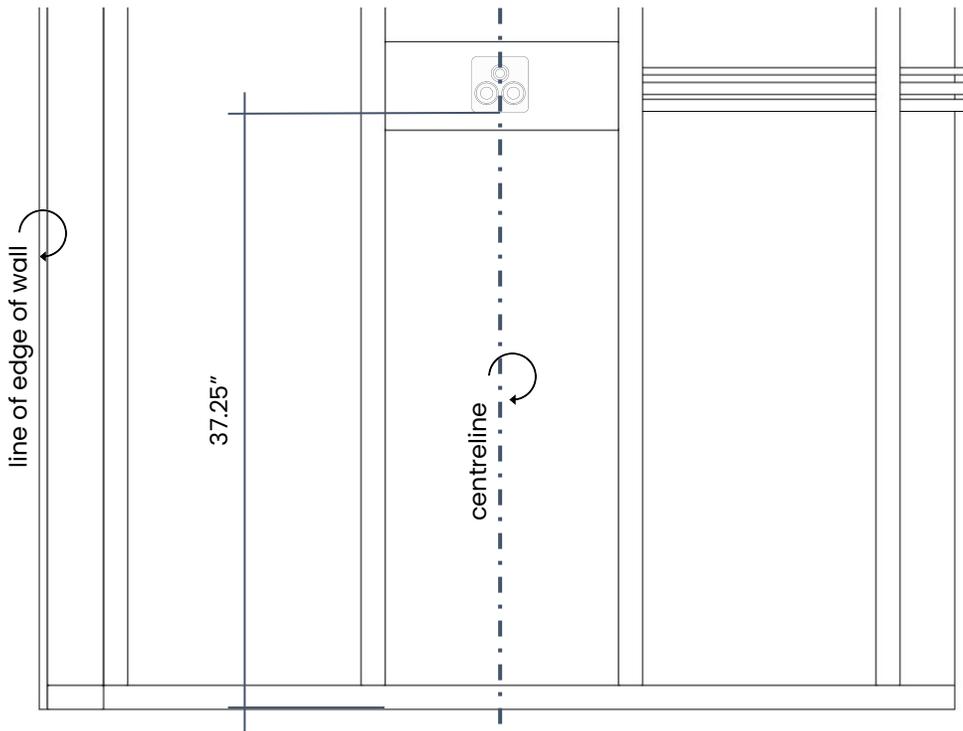
### STEP 13: Complete the Installation



Refer to the provided **Care and User Guide** for instructions on how to properly power on and use the RainStick. Download the RainStick Shower App, available for Apple and Android devices, for the full user experience.



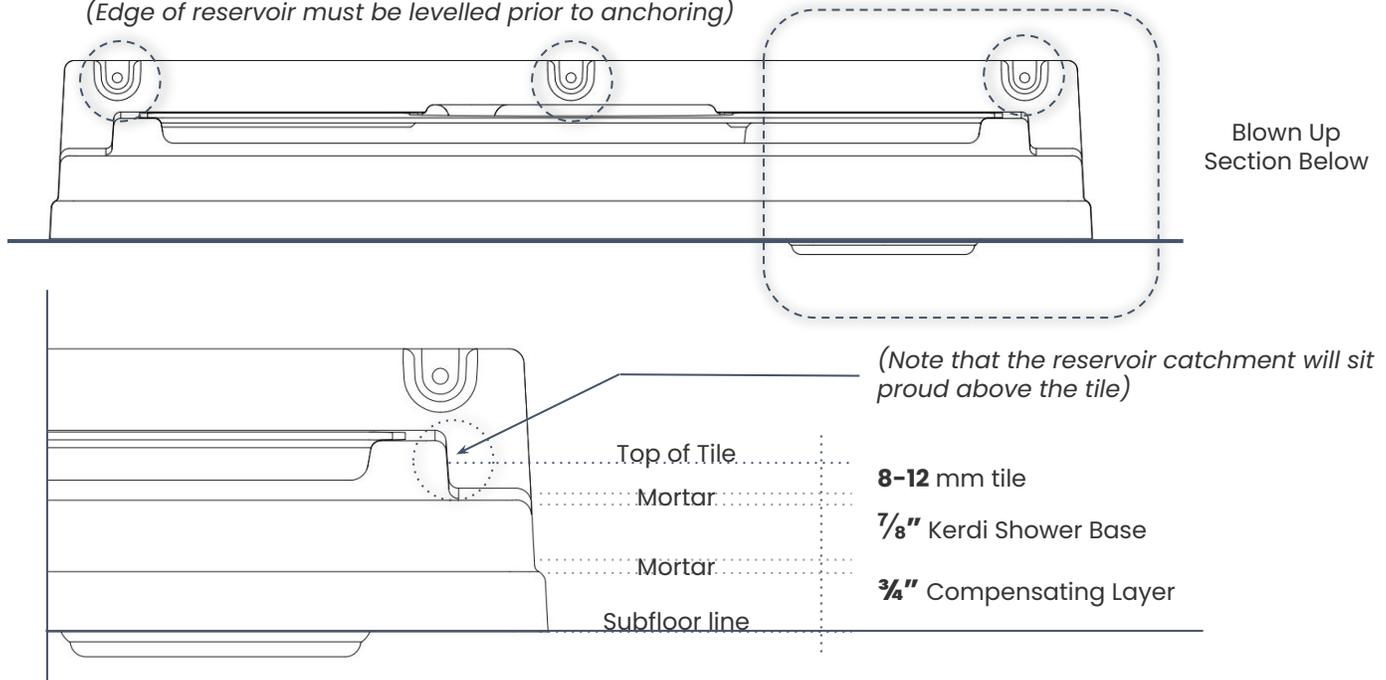
## ARCHITECTURAL: HOT/COLD WATER AND POWER ROUGH-IN FRONT ELEVATION



1. Determine centreline of installation.
2. Measure **37.25"** vertically at from subfloor centreline.
3. Use the Utility Bracket provided and align its bottom edge notch to the marked **37.25"** location.
4. Trace the rough-in holes using a writing tool.
5. Use a hole saw to create openings.
6. Route water and power supply to the designated locations.

## ARCHITECTURAL: RESERVOIR DIMENSION LEVELS

*(Edge of reservoir must be levelled prior to anchoring)*

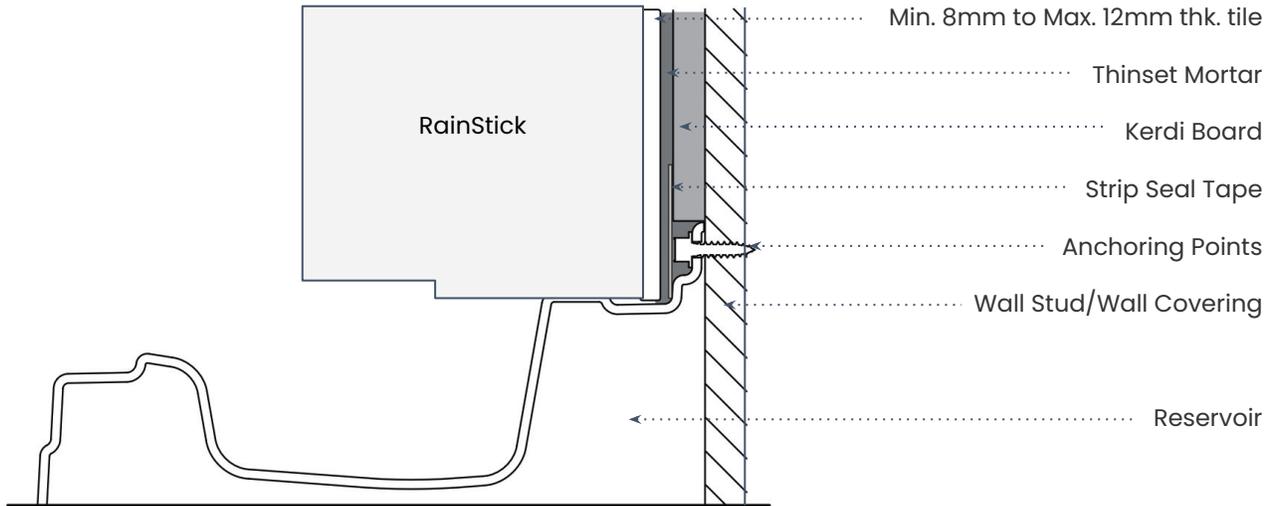


**\*Thinset Mortar (1/2" x 1/2" U-Notched Trowel) to be used in between levels.**



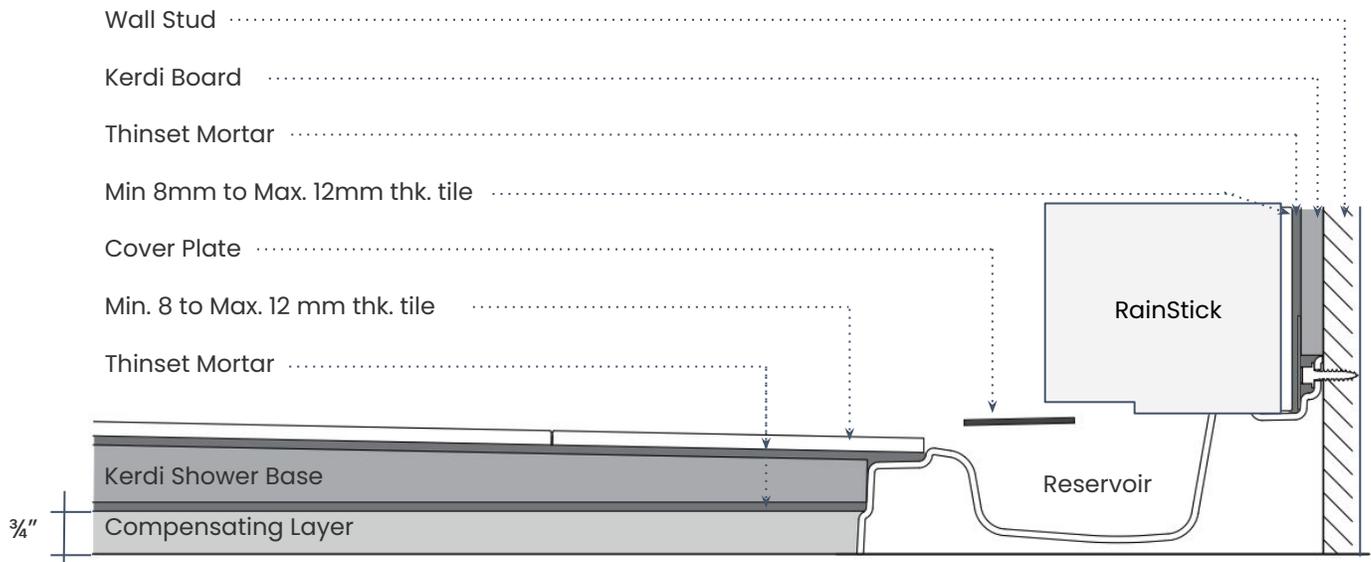
## ARCHITECTURAL: SURROUNDING TILE TO RESERVOIR INSTALLATION DETAILS

### Wall Detail Section-thru Drawing (Not to Scale)



**\*Thinset Mortar ( $\frac{1}{2}$ " x  $\frac{1}{2}$ " U-Notched Trowel) to be used in between levels.**

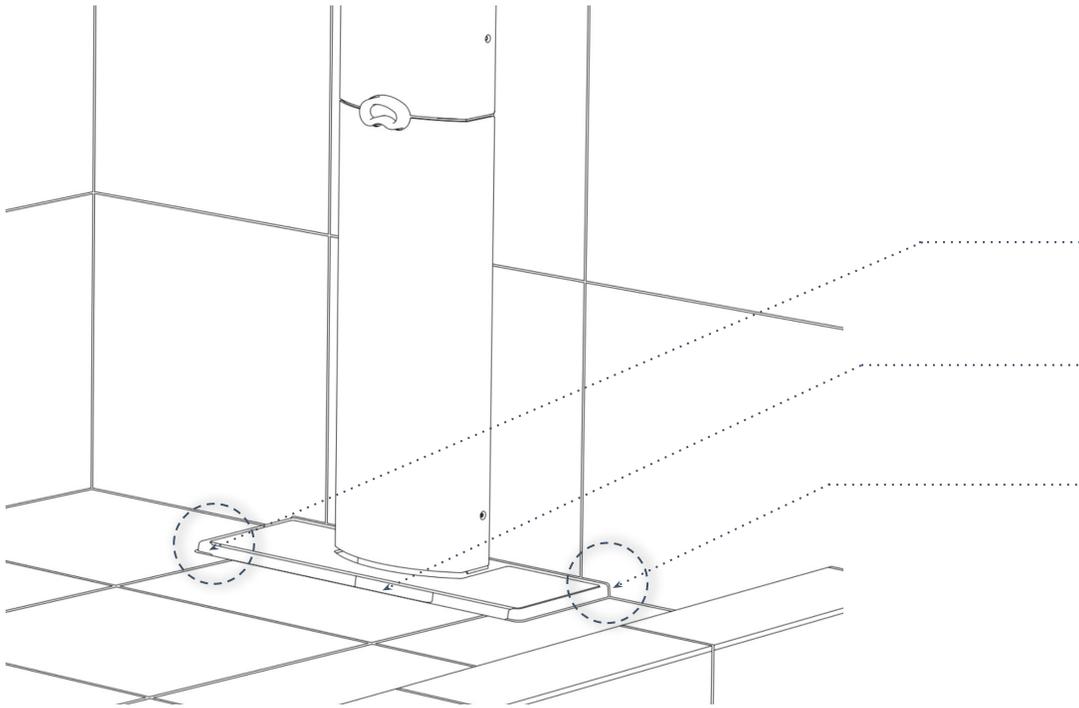
### Floor Level Detail Section-thru Drawing (Not to Scale)



**\*Thinset Mortar ( $\frac{1}{2}$ " x  $\frac{1}{2}$ " U-Notched Trowel) to be used in between levels.**



## ARCHITECTURAL: FINISHED FLOORING AND RESERVOIR

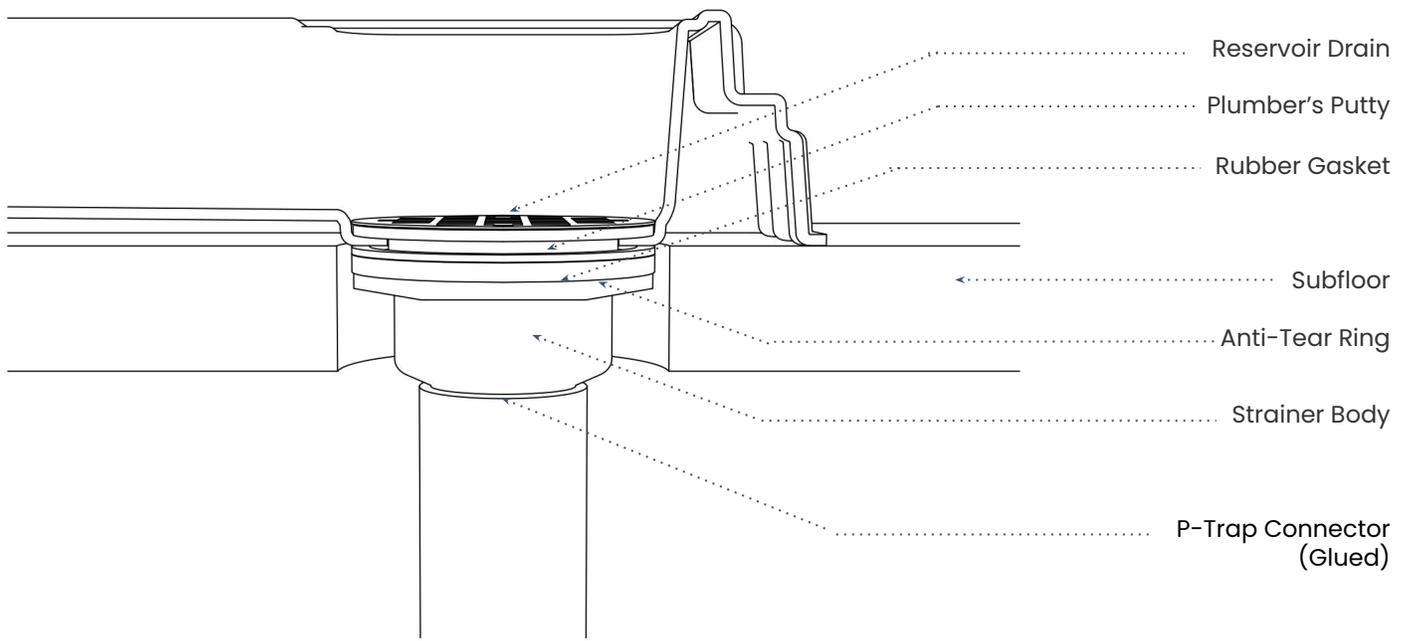


Ensure that all exposed sides of the Reservoir is properly sealed and waterproofed

Opening of the Reservoir to remain unobstructed at all times

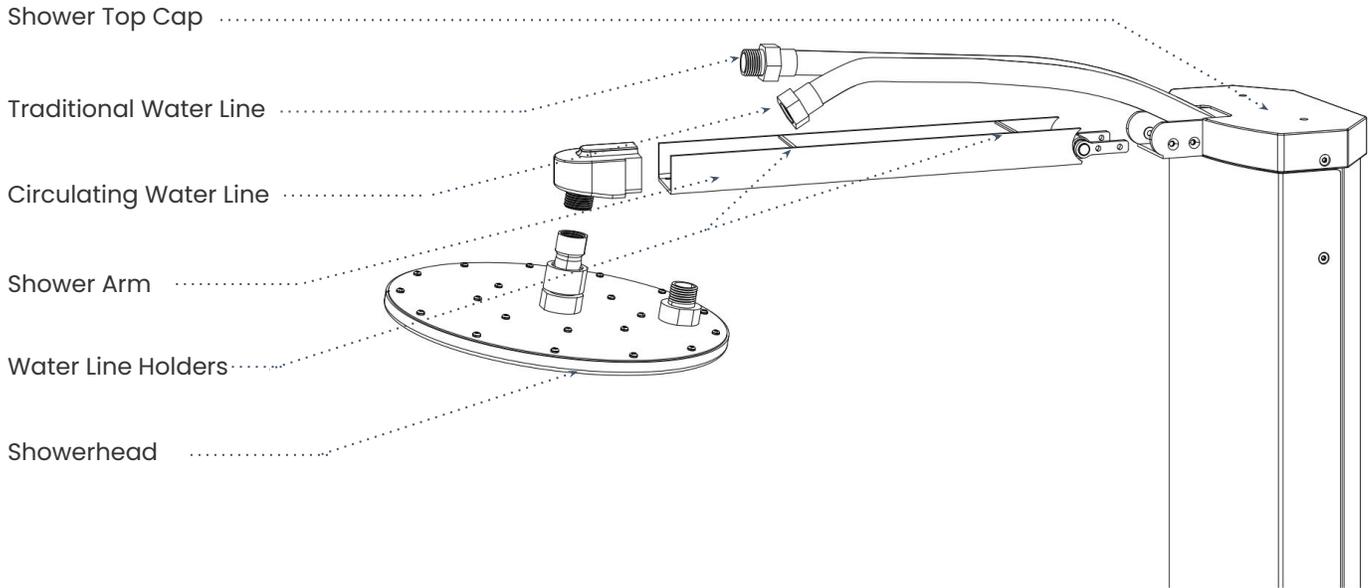
**ATTENTION:** Reservoir perimeter to sit proud above floor tile

## PLUMBING: RESERVOIR DRAIN TO P-TRAP PARTS ASSEMBLY

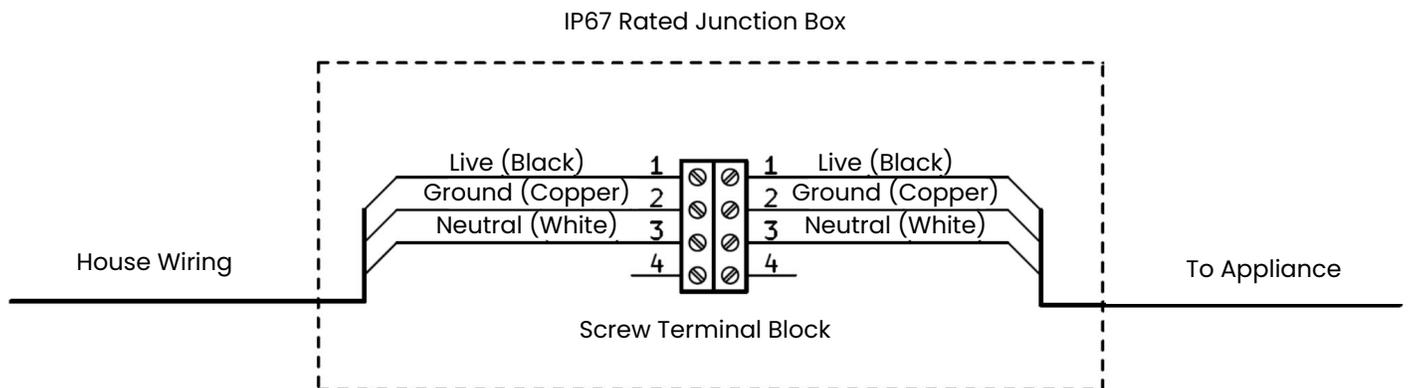




## PLUMBING: SHOWERHEAD AND ARM PARTS ASSEMBLY



## ELECTRICAL: FIELD WIRING DIAGRAM FOR JUNCTION BOX





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## LIMITED WARRANTY

Pledge Resource Managers Inc. (d/b/a RainStick Shower) (“**RainStick**”) warrants to the original consumer purchaser that the RainStick Shower and the RainStick Handheld Shower (the “**RainStick Products**”) are free from material defects in material and workmanship under conditions of normal installation, use and care for a period of two (2) years from the date of purchase, provided that the original consumer purchaser owns the same home in which the RainStick Products were first installed. This warranty cannot be transferred or assigned.

## WHAT RAINSTICK WILL DO

RainStick will repair or replace, free of charge, during the applicable warranty period (as described above), any part or finish that proves defective in material and/or workmanship under normal installation, use and care. If repair or replacement is not practical, RainStick may, at its sole discretion, elect to refund the purchase price in exchange for the return of the product. These are the original consumer purchasers exclusive remedies.

## WHAT IS NOT COVERED

This warranty does not cover:

- (a) damage to a RainStick Products resulting from a cause other than a material defect in material or workmanship, including, without limitation, misuse, abuse, use not in accordance with the RainStick user guide or unreasonable use of the RainStick Products;
- (a) damage to a RainStick Products resulting from neglect, poor maintenance, use of a cleaner not recommended by RainStick, failure to follow applicable care and cleaning instructions or accident relating to use of or transportation of the RainStick Product;
- (a) any RainStick Product that is purchased from unauthorized dealers or sellers; and
- (a) damage to a RainStick Product resulting from assembly or installation error.

## SUPPORT

If you have any questions about the warranty or need further assistance, please contact us at [warranty@rainstickshower.com](mailto:warranty@rainstickshower.com).

## CLAIMS

For all warranty claims, the original purchase receipt will be required to verify the purchase date.







[rainstickshower.com](https://rainstickshower.com)

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