



WASHWALL INSTALLATION

VERSION 1.2 SEPTEMBER 2026

COMPLIANCE

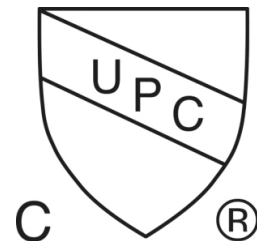
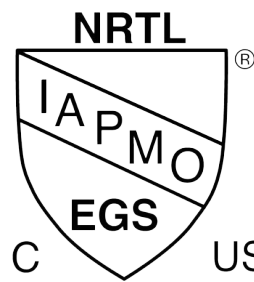
MODEL NUMBER: UK/EU APPROVALS

- › WRAS Approved
- › CE Marked



MODEL NUMBERS STARTING: ALV LISTED BY IAPMO R&T to

- › IGC 127 Combined Hand-Washing Systems
- › ASME A112.18.1/CSA B125.1
- › Uniform Plumbing Code (UPC)
- › National Plumbing Code of Canada
- › International Plumbing Code (IPC)
- › UL 1951, 2nd Edition
- › CAN/CSA C22.2 No. 68-18
- › CAN/CSA C22.2 No. 14-18
- › UL 962, 4th Edition



MODEL NUMBERS STARTING: ALV COMPLY with

- › ADA
- › NSF/ANSI 372 (Lead Free)
- › CEC testing (California Energy Commission)
- › DOE testing (Department of Energy)(USA)
- › Water Efficiency and Sanitation Standard (IAPMO USA)
- › California Green Building Standards
- › LEED v4.1
- › ICC 700 (National Green Building Standard ®)
- › R-2000 (Natural Resources Canada)
- › ANSI/GBI (Green Globes® Assessment Protocol for Commercial Buildings)



CONTENTS

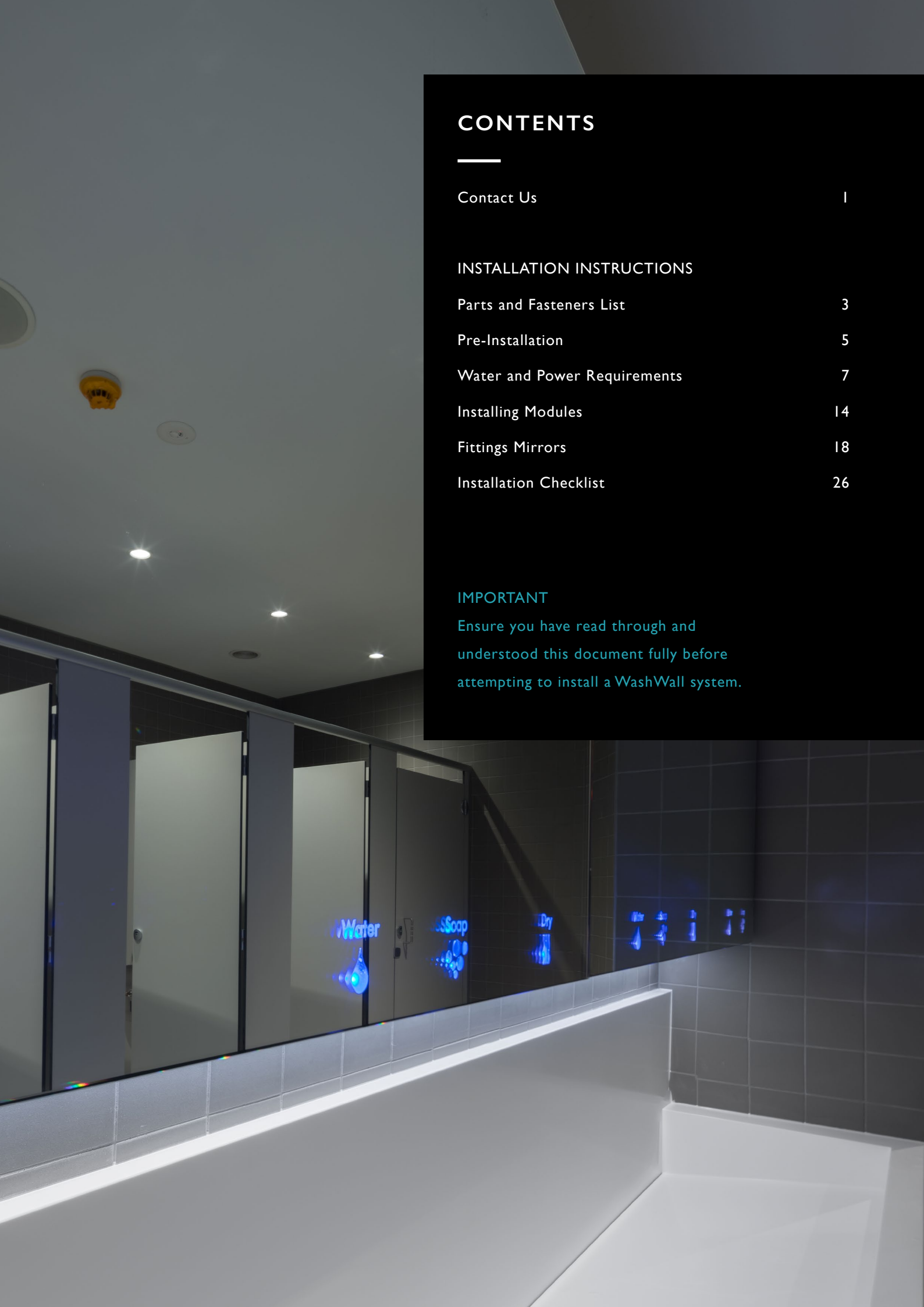
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INSTALLATION INSTRUCTIONS

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IMPORTANT

Ensure you have read through and understood this document fully before attempting to install a WashWall system.





When space is at a premium, and energy-efficiency is a priority, this modular, touch-free, behind-mirror handwash system from Dolphin has got all the answers - quick to install, easy to replenish, and a pleasure to use.

At Dolphin we are always happy to help. Simply pick up the phone, pop in to see the team or drop us an email.

It's a Dolphin thing...

CONTACT US

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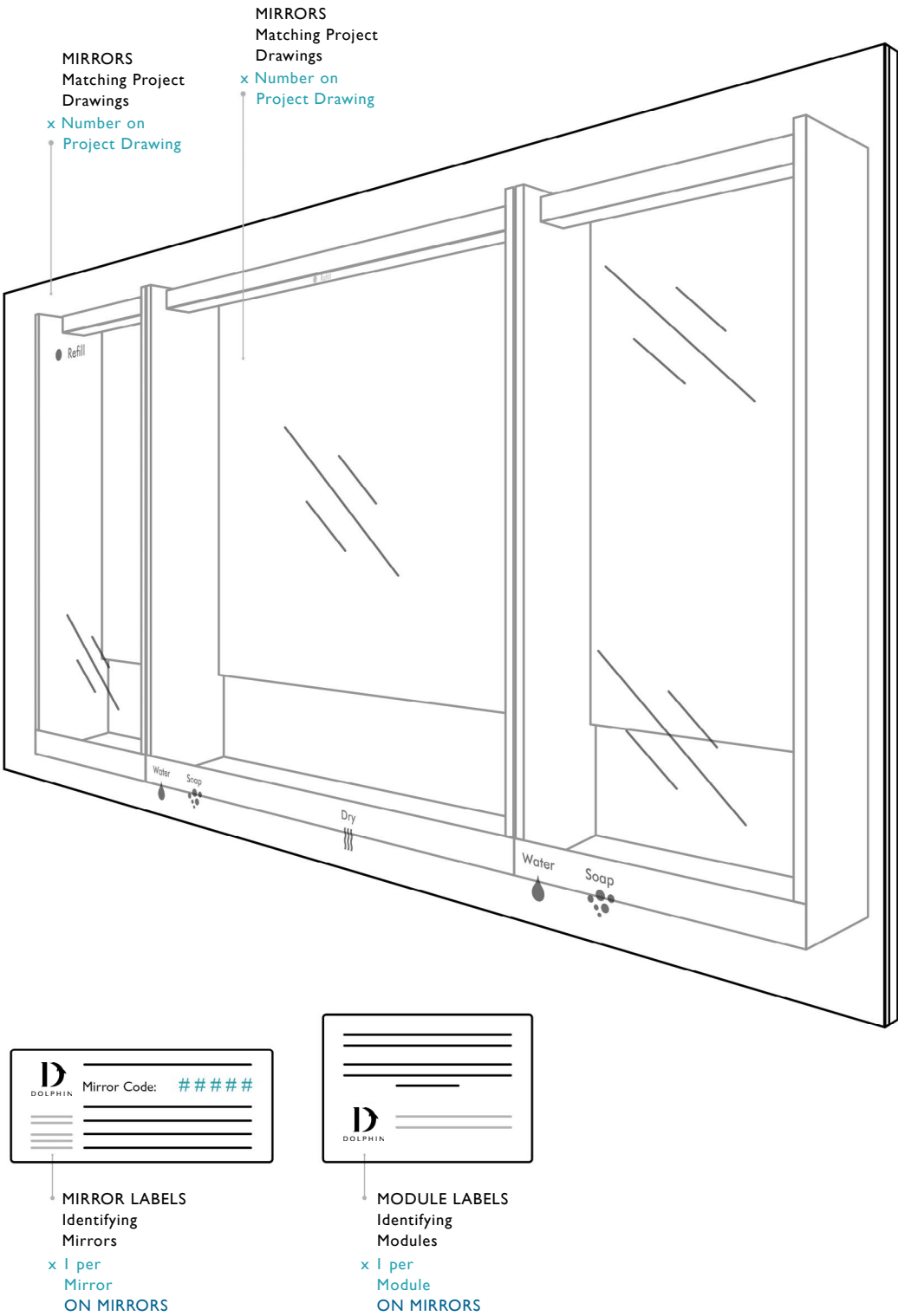


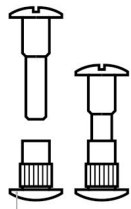


PARTS AND FASTENERS LIST

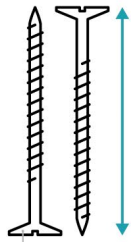
PARTS AND FASTENERS INCLUDED WITH THE WASHWALL

Please ensure you are in possession of all parts and fasteners listed below.

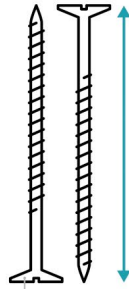




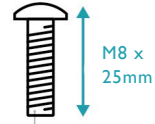
BOLTS
Connecting
Modules
x 2-4 per
Module



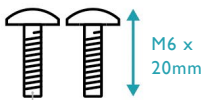
SCREWS
For Installation
Bracket
x As
Required
NOT SUPPLIED



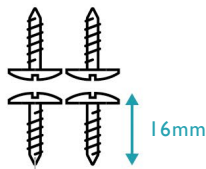
SCREWS
For Attaching
Modules
x As
Required
NOT SUPPLIED



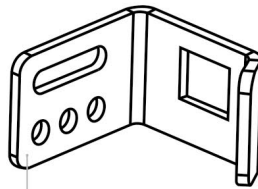
BOLTS
Attaching
Hinges
x 1 per
Hinge



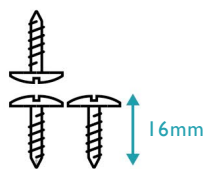
BOLTS
Attaching Strut
Brackets
x 2 per
Strut



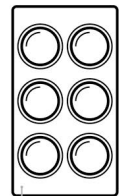
SCREWS
Attaching Light
Sensor
x 4 per Light
Sensor



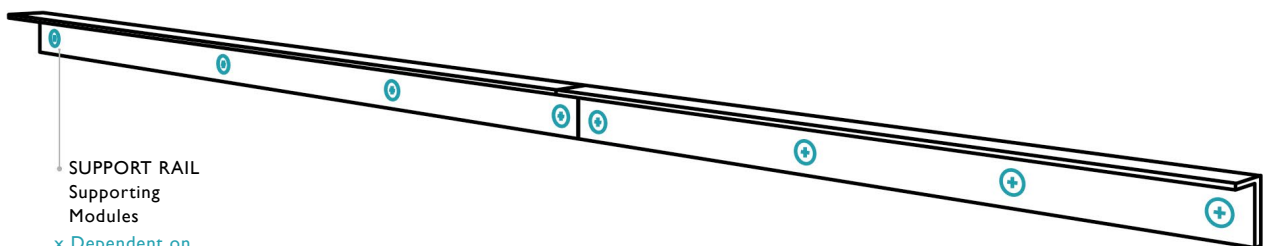
LOCK LATCH
Locking
Mirrors
x Number on
Project Drawing



SCREWS
Attaching Lock
Latch
x 3 per Lock
Keep



MOUNT BUTTONS
Buffer Behind
Mirrors
x 2 per
Mirror



SUPPORT RAIL
Supporting
Modules
x Dependent on
WashWall Width

PRE-INSTALLATION

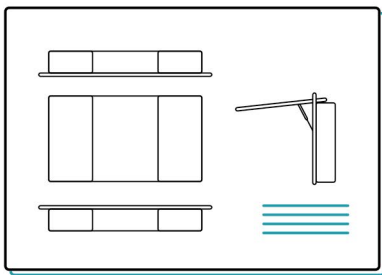
KEY STEPS BEFORE INSTALLING

Please ensure all steps have been completed before fixing the WashWall system in your restroom.

Dolphin Solutions Ltd is responsible for installing the WashWall system correctly only when the wall surface is straight, properly built up, and ready for bracket placement. Any issues arising from uneven walls, incorrect wall build-up, or improper bracket locations are not the responsibility of Dolphin Solutions Ltd.

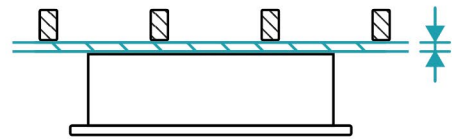
01 PROJECT DRAWINGS

Ensure you have the correct Dolphin WashWall project drawings marked with your project reference.



02 FOR STUD WALLS

Stud walls require a minimum of 1'4" wood blocking before the WashWall is installed. All brackets must be installed directly to a structural blocking, not on drywall.

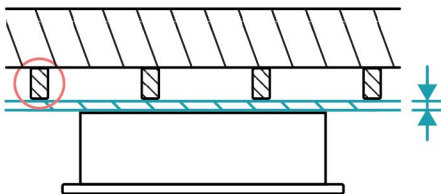


NOTE: It is essential to achieve full penetration of the fixing screws through the 1'4" blocking.

03 FOR MASONRY WALLS

Masonry walls require a minimum of 3/4" or 1 1/4" thick plywood on studs before the WashWall is installed.

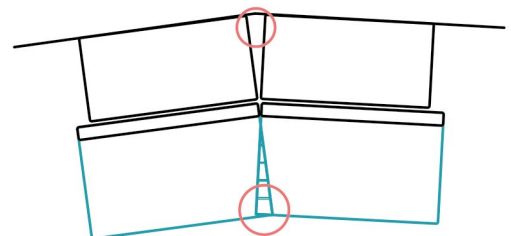
All brackets must be installed directly to a structural blocking, not on a drywall alone.



NOTE: It is essential to achieve full penetration of the anchor screws through the 1'4" cladding.

04 WALL TOLERANCE

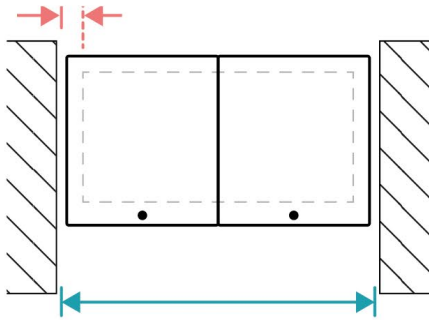
Check wall is flat and plumb to +/- 1/8" to ensure correct module alignment, reliable electrical connections and to prevent mirrors from conflicting.



NOTE: The recommendation of 3/4" plywood is the best way to achieve the flat surface required to install the WashWall, plus 3/4" Additional plywood blocking at all screw lines.

05 INSTALLATION WIDTH

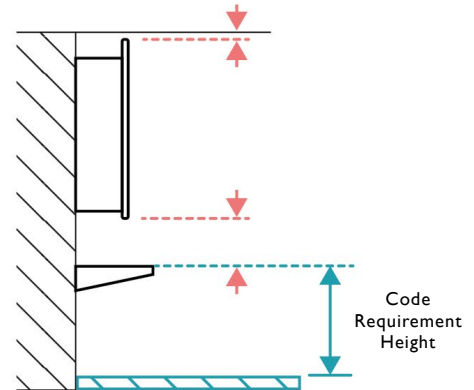
Measure location / recess against project drawings to ensure correct width for the system.



NOTE: See project drawing and account for **overhang of mirrors** from modules.

06 INSTALLATION HEIGHT

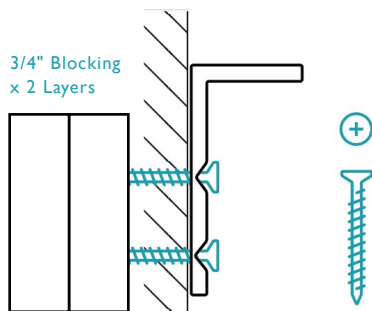
Measure height from finished floor level to top of sink surface to ensure correct positioning.



NOTE: See project drawings for recommended dimensions between floor, top of sink, WashWall and ceiling.

07 SUPPORT RAIL

Fix the support rail using a recommended screw diameter of 1/4".

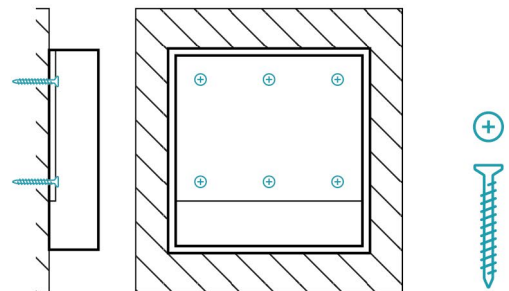


NOTE: If two systems are being installed adjacent to each other follow project drawings for support rail datums.

If adjacent systems vary in height, the support rails will have different horizontal datums.

08 FIXING SCREWS

Secure the WashWall to the wall using a minimum screw diameter of 1/4". Extra holes can be drilled as required.



**** IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THERE IS SUFFICIENT STRENGTH IN THE WALL AND ANCHORS TO SUPPORT THE WASHWALL ****

WATER AND POWER REQUIREMENTS

WATER REQUIREMENTS

Plumbing and pressure requirements when installing the WashWall system.

IT IS THE RESPONSIBILITY OF THE PLUMBER:

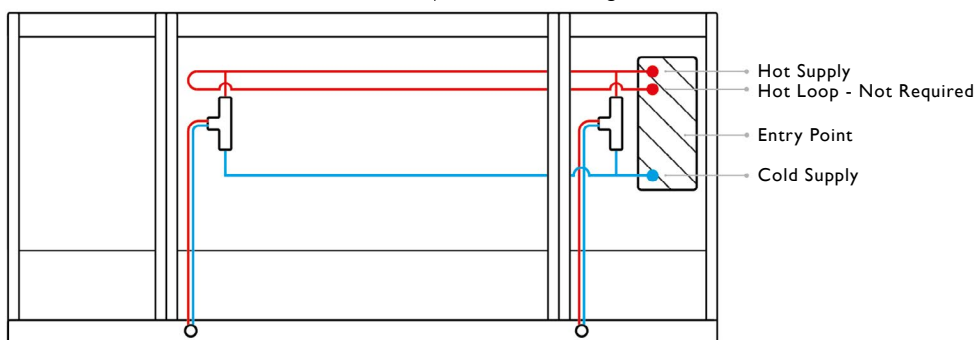
To connect the system according to regulations and industry standards, and to adjust the plumbing if required.

CONNECTIONS

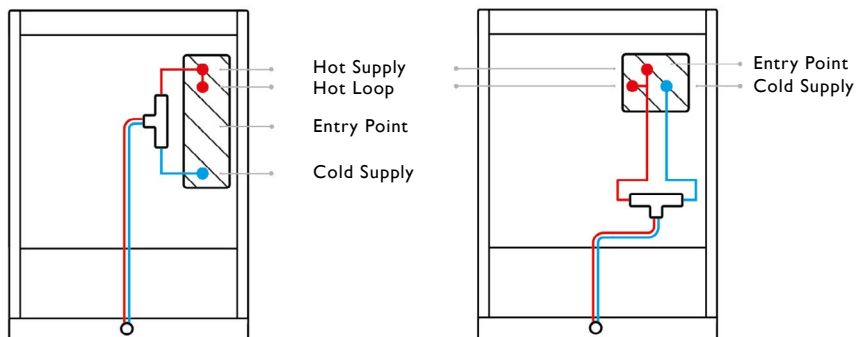
A hot loop is provided and should be isolated if not required.

The entry point positioning of the water supply is critical and can be found on the WashWall project drawings.

TWO WASHSTATIONS OR MORE - Hot loop run in and through modules



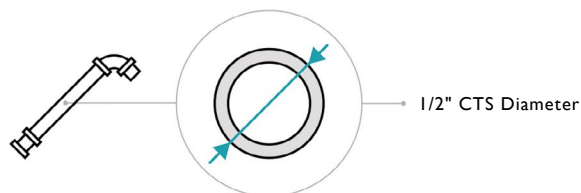
SINGLE WASHSTATION (2 CONFIGURATIONS) - Branch off hot loop directly before entering module



NOTE: Connections should be carried out by a qualified plumber.

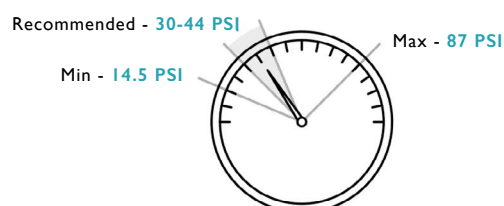
FEED DIAMETER

Depending on the model of the WashWall, fittings accept / connect 1/2" CTS (copper tube size) feeds.



PRESSURE

A pressure of 14.5 PSI to 87 PSI is required, and for best results 30-44 PSI is recommended. The hot and cold supplies should be balanced.



WATER REQUIREMENTS

Plumbing and pressure requirements when installing the WashWall system.

IT IS THE RESPONSIBILITY OF THE ELECTRICIAN:

To connect the system according to regulations. Connections should be carried out by a qualified electrician.

CONNECTION & SUPPLY

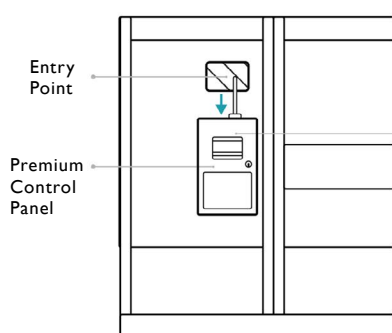
The entry point positioning for the power supply is critical and can be found on the WashWall project drawings.

Cable/conductor insulation colour scheme to be used in accordance with the local regulations.

Standard local mains input voltage of either 110V or 230V AC ~ single phase supply is required.

For specific power and supply feed requirements see individual WashWall system drawing.

PREMIUM MODEL

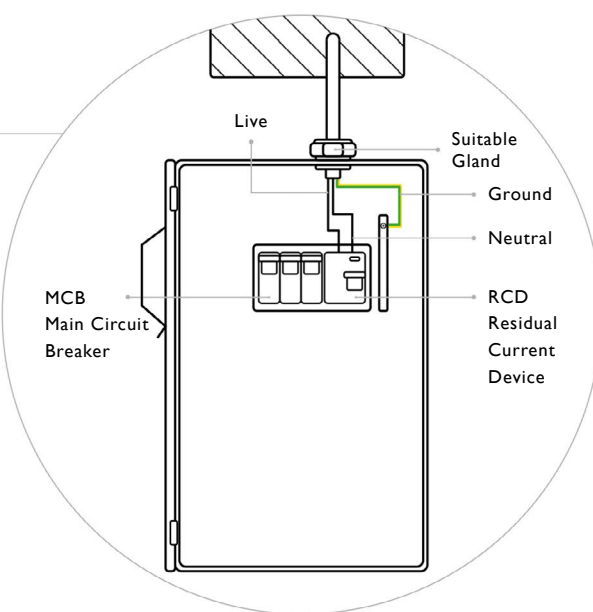


NOTE

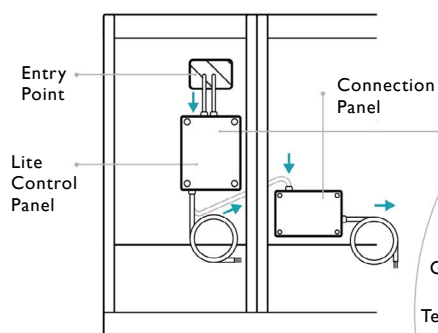
- › Power supply to be wired into RCD with suitable cable gland installed
- › We recommend system is not powered via external passive infrared sensor (PIR) to avoid repeated tap activation on system restart
- › Lights controlled automatically via light sensor in glass mirror



Grounding Points on product marked with this symbol

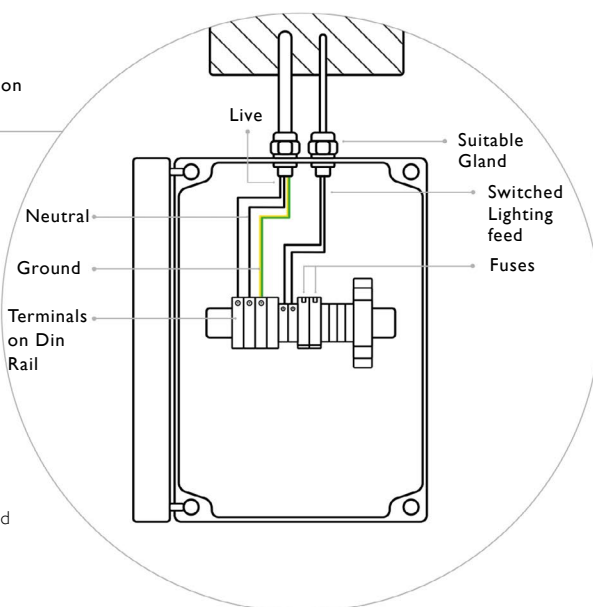


LITE MODEL



NOTE

- › Lite control panel, and connection panels if applicable, to be connected once on site.
- › Power supply to be wired into labelled terminals on din rail
- › We recommend system is not powered via external passive infrared sensor (PIR) to avoid repeated tap activation on system restart
- › If applicable, lights can be controlled via switched lighting feed



ALAVO PLUMBING PROLOCK PART LINKS

PART NO. PART NAME

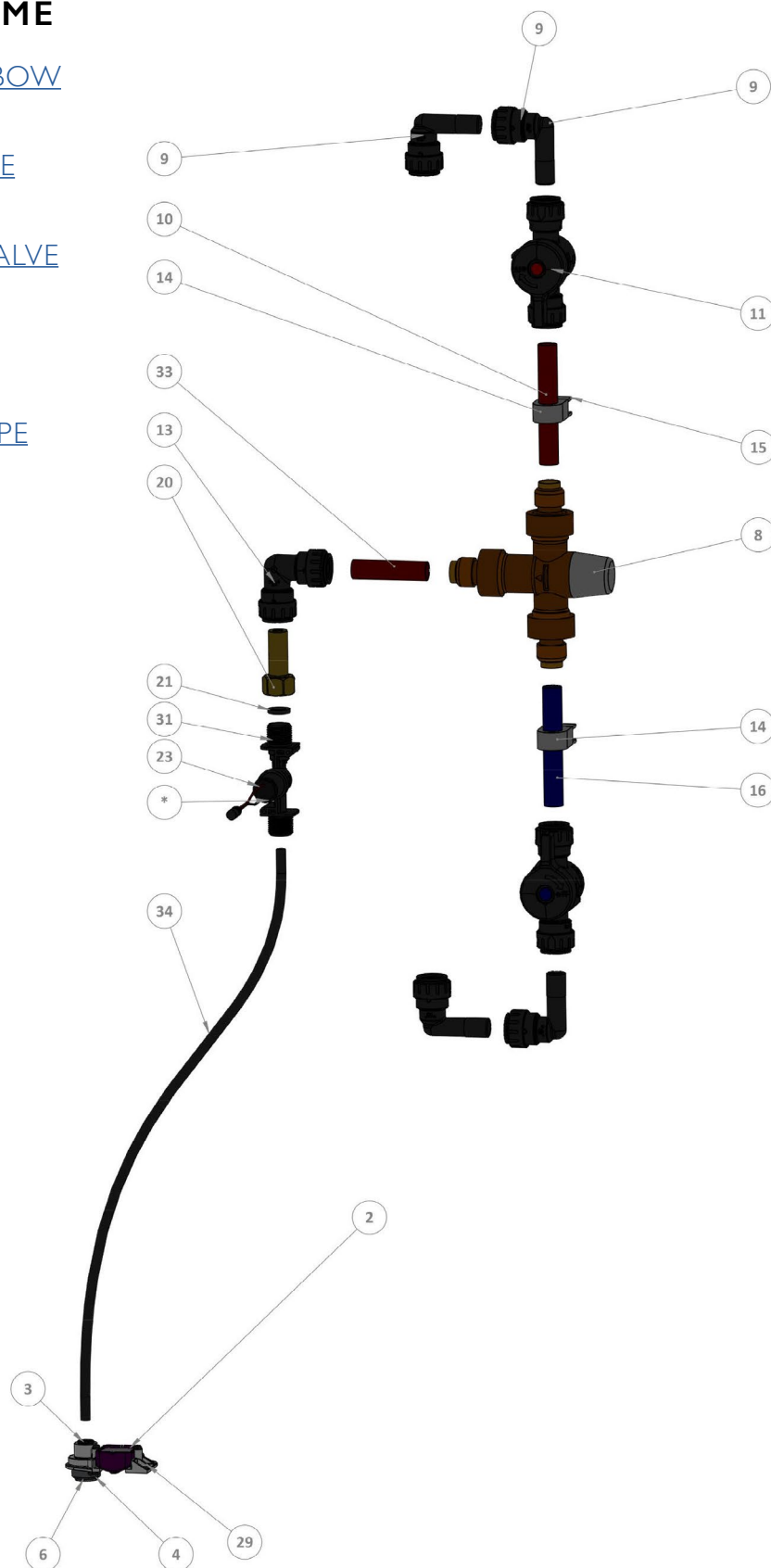
9 [PLUG-IN ELBOW](#)

10 [RED PEX PIPE](#)

11 [SHUT-OFF VALVE](#)

13 [ELBOW](#)

16 [BLUE PEX PIPE](#)



Cash Acme™

HG160 Thermostatic Mixing Valve

The HG160 is a next-generation thermostatic mixing valve that mixes hot water with cold to deliver tempered water at a controlled temperature. In addition, the Heatguard™ 160 is designed to assist in the prevention of scalding and thermal shock.

Approved Applications

Domestic and commercial point-of-use and gang shower applications.

Specification Data

Performance	
Adj. Outlet Temperature Range	95°F-120°F (35°C-48.9°C)
Factory Set Temperature Range	115°F-120°F (46.1-48.9°C)
Hot Supply Temperature Range	120°F-180°F (48.9°C-82.2°C)
Cold Supply Temperature Range	39°F-80°F (3.9°C-26.7°C)
Maximum Pressure	145 psi
Min. Flow Rate	0.34 GPM
Max. Flow Rate	11 GPM

Materials

Body	Lead-Free ¹ DZR Brass
Springs	Stainless Steel
Internal Cap	Lead-Free DZR Brass
Piston	Engineered Polymer
Seals	EPDM

¹For all models, surfaces that are in contact with consumable water contain less than 0.25% lead by weight.

Certifications & Listings

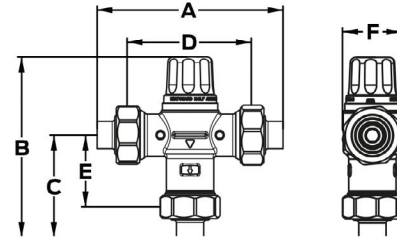
ASSE 1070, ASSE 1069, NSF/ANSI/CAN 61, CSA B125.3, ASSE 1017, NSF/ANSI/CAN 372



Refer to local plumbing code

US 1 877 700 4242 | sales@cashacme.com | cashacme.com
 Canada 1 888 820 0120 | canadasales@rwc.com | cashacme.ca

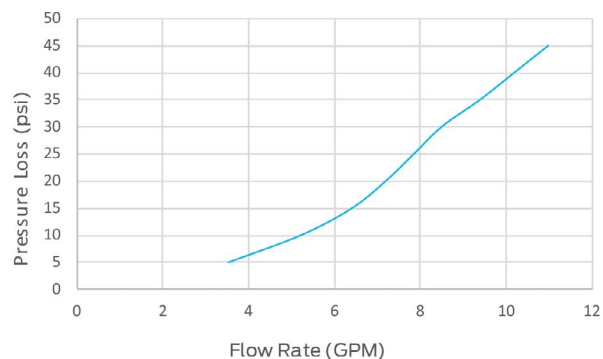
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Dimensions (inches)

Size	Connection Style	Part #	A	B	C	D	E	F
1/2"	Sweat	24528	4-27/32	4-23/32	2-43/64	3-5/16	1-29/32	1-37/64
1/2"	SharkBite	24529	6-1/8	5-23/64	3-5/16	3-5/16	1-29/32	1-37/64
1/2"	Barb	24531	5-19/64	4-15/16	2-29/32	3-5/16	1-29/32	1-37/64
1/2"	CPVC	24533	6-59/64	5-49/64	3-23/32	3-5/16	1-29/32	1-37/64
1/2"	Threaded NPT	24536	5-11/16	5-9/64	3-3/32	3-5/16	1-29/32	1-37/64
3/4"	SharkBite	24530	6-15/32	5-17/32	3-31/64	3-5/16	1-29/32	1-37/64
3/4"	Barb	24532	5-19/64	4-15/16	2-29/32	3-5/16	1-29/32	1-37/64
3/4"	CPVC	24534	6-5/8	5-49/64	3-23/32	3-5/16	1-29/32	1-37/64

Flow Curve



Product Submittal

Name	
Date	
Architect/Owner	
Contractor	
Tag	
Notes	

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AN RWC BRAND
RWC

ProLock Items 9, 11 and 13

Fittings and pipe should be kept clean and undamaged before use.

Sizes

3/8" to 1" CTS.

Pipes

Click-to-Lock products can be used with: PEX, Copper and CPVC Pipes conforming to ASTM Standards. Click-to-Lock products cannot be used on stainless steel pipe.

Standards

Click-to-Lock products are designed and manufactured under a fully integrated system assessed by B.S.I. to BS EN ISO9001. Click-to-Lock products are also NSF-61, IAPMO and ICC listed.

Do not use for gas, fuel oil or compressed air applications.

Working pressures and temperatures:

Application	Max. Pressure	Max. Temperature
Water	160 psi	73° F
Water	100 psi	180° F
Water	80 psi	200° F

Burst Pressure (fittings)

Click-to-Lock product used with copper, CPVC or PEX pipe will withstand pressures well in excess of normal service conditions.

Insulation

Comply with code requirements.

Minimum bend radius with clips (PEX)

Pipe Diameter	3/8" CTS	1/2" CTS	3/4" CTS	1" CTS
Min Radius	4"	5"	7"	10"

Clip Spacing (In Inches): For surface mounted pipes.

Pipe Diameter	Clip Spacing	
	Horizontal Run	Vertical Run
3/8" CTS	12"	20"
1/2" CTS	16"	20"
3/4" CTS	20"	30"
1" CTS	30"	36"

Expansion (PEX Pipe)

1% on length between 68°F and 180°F.

Flow rates

Comparable with metal systems.

Cleaners, inhibitors and descalents

For advice on the use of additives such as corrosion inhibitors, the additive manufacturers should be consulted.

Paint and Chemicals

Only use water or oil-based paint. **DO NOT ALLOW CONTACT WITH** jointing compounds, cellulose-based paints, paint thinners, paint strippers, solder flux, acid-based descalents or aggressive cleaning products.

Solder Flux

No fluxes of any type should come into contact with Click-to-Lock products. Extreme care should be taken to ensure that no such contact takes place.

Chlorine

Click-to-Lock products are suitable for use with water supplies containing up to 4ppm of chlorine.

Pipe clips

Pipe clips should not be fitted any closer than 2.5 inches from the end of the fitting. Pipe should be adequately supported by pipe clips to prevent undue stress (side load) on fittings.

Pipe inserts: Plumbing

John Guest recommends the use of pipe inserts for PEX pipe connections with Click-to-Lock product in Standard Residential Plumbing (hot and cold water) installations.

Pipe inserts: Heating

John Guest requires the use of pipe inserts for PEX pipe connections with Click-to-Lock products in all heating installations.

Connection to boilers

A minimum 36 inches run of copper pipe must be installed between the boiler and the Click-to-Lock product system.

Connection to Hot Water Heater

A minimum 18 inches run of copper pipe must be installed between the hot water heater and the Click-to-Lock product system.

Connection to copper pipe

18 inches is the minimum distance to make a solder connection on copper pipe inserted into a Click-to-Lock product. Ensure that no solder flux comes into contact with the fitting.

Concrete and masonry

Pipe and fittings can be laid in concrete and masonry providing they are installed in conduit pipe with access boxes for the fittings. This is to enable the pipe to expand and provide accessibility for both pipe and fittings. Fittings and pipe should be removable for possible replacement. Insulation is also recommended to protect against heat loss and the effects of frost. Fittings not to be vused underground.

Electrical continuity

If Click-to-Lock products are used in an existing metal system, electrical continuity must be reinstated.

System testing

To ensure the pipework and fittings have been installed correctly, whether it be on a new or extended system, it is essential that the system be checked and hydraulically wet tested. Testing should be at 30 psi for 10 minutes and 150 psi for 10 minutes. This testing, combined with other relevant checks, should reveal installation problems and is regarded as good plumbing practice. However, system testing should not be regarded as a substitute for correct installation (see also "How to make a Click-to-Lock connection").

Disinfection of Hot and Cold Water Systems

Click-to-Lock products can be disinfected after installation or as part of a routine maintenance program. The disinfection procedure must comply with code requirements. Only disinfection solutions specifically recommended as suitable for contact with plastic plumbing systems and, where necessary, employing specialist contractors may be used with Click-to-Lock products. Disinfection solutions must only come into contact with the internal (wet) surfaces of the system. If any normal dry surfaces of a Click-to-Lock product come into contact with disinfection solution, the whole fitting must be replaced immediately. The disinfection solution must be immediately flushed out at all draw out points with fresh, clean water at the end of the disinfection period. The solution must not be left in the system.

System flushing

As is usual practice for any plumbing installation, flushing of the system prior to the use of Click-to-Lock products is recommended to remove any contaminants/chemical residue from elsewhere in the system.

Vermin

Click-to-Lock products will need protection in vermin-infested areas.

Tube insertion depths

	3/8" CTS	1/2" CTS	3/4" CTS	1" CTS
PSEI	1 1/8"	1 3/8"	1 1/2"	1 1/2"
MWI	1 1/8"	1 1/8"	1 1/2"	1 1/2"

Side Loads

Fittings should not be subject to excessive side loads and they should not be used as support brackets. Tubing should be adequately supported to prevent excessive side loading.

Maximum torque values of threads: in Ft lbs

	1/2" NPT	3/4" NPT	1" NPT
Plastic	2	3	3
Metal	3	4	4

It is recommended that all installations are checked prior to use to determine that a seal has been made.

John Guest USA, Inc. is not responsible for misprints or typographical errors.

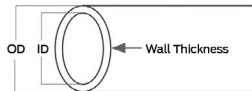


SharkBite™ PEX-b

Blue PEX-b Tubing

SharkBite™ PEX-b is a cross-linked polyethylene tubing designed for use in residential and commercial applications.

Specification Data



Tubing Dimensions					
Nominal Size (CTS)	O. D. (in)	Wall Thickness (in)	Approx. I.D. (in)	Weight per ft. (lb.)	Volume per ft. (gal.)
3/8"	0.500 ± 0.003	0.070 + 0.010	0.350	0.041	0.005
1/2"	0.625 ± 0.004	0.070 + 0.010	0.475	0.053	0.009
3/4"	0.875 ± 0.004	0.097 + 0.010	0.671	0.102	0.018
1"	1.125 ± 0.005	0.125 + 0.013	0.862	0.169	0.030

Tolerances referenced from ASTM F876.

Applications

Potable water, residential fire suppression, radiant heating, direct burial, embedment in concrete, snow & ice melting, geothermal ground-loops, turf conditioning, municipal water service lines & plenum application.

Materials

Cross-Linked Polyethylene / PEX-b / Silane Method

Materials Designation Code - PEX 5306

(5) Chlorine Resistance	Rated to continuously recirculate hot water at 140°F (40°C)
(3) UV Resistance	Six-month UV resistance
(06) Hydrostatic Stress	160 psi @ (33°F - 70°F) (0.5°C - 21°C) 100 psi @ 180°F (80°C) 80 psi @ 200°F (93°C)

For more technical data, visit the product at:
<https://www.sharkbite.com/products/potable-plex-b>

Certifications & Listings

ANSI/NSF/CAN 61, ANSI/NSF 14, ASTM F876, ASTM F2023, ASTM F2657, ASTM F877, UL 1821, ASTM E84, ASTM E119 & CAN/ULC S101, AWWA C904

US 1 877 700 4242 | sales@sharkbite.com | sharkbite.com
 Canada 1 888 820 0120 | canadasales@rwc.com

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Code Approvals



Part number and description

Part #	PEX Tubing (Coil)
U855B100	3/8" 100' Coil
U860B50W	1/2" 50' Coil
U860B100W	1/2" 100' Coil
U860B300W	1/2" 300' Coil
U860B500W	1/2" 500' Coil
U860B1000W	1/2" 1000' Coil
U870B25W	3/4" 25' Coil
U870B50W	3/4" 50' Coil
U870B100W	3/4" 100' Coil
U870B300W	3/4" 300' Coil
U870B500W	3/4" 500' Coil
U880B100W	1" 100' Coil
U880B300W	1" 300' Coil
U880B500W	1" 500' Coil

Part #	PEX Tubing (Straight Length)
U860B2	1/2" 2' Straight Length
U860B5	1/2" 5' Straight Length
U860B10	1/2" 10' Straight Length
U860B20	1/2" 20' Straight Length
U870B2	3/4" 2' Straight Length
U870B5	3/4" 5' Straight Length
U870B10	3/4" 10' Straight Length
U870B20	3/4" 20' Straight Length
U880B5	1" 5' Straight Length
U880B10	1" 10' Straight Length
U880B20	1" 20' Straight Length

Bend Radius

Unsupported Bend Radius = 8 X O.D.

Expansion & Contraction Rate

Expansion rate: 1.1" / 10°F / 100'

Product Submittal

Name	
Date	
Architect/Owner	
Contractor	
Tag	
Notes	

Rev 1.0 / 10-22-21
 EN-US

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RWC

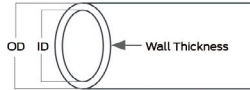


SharkBite™ PEX-b

Red PEX-b Tubing

SharkBite™ PEX-b is a cross-linked polyethylene tubing designed for use in residential and commercial applications.

Specification Data



Tubing Dimensions

Nominal Size (CTS)	O. D. (in)	Wall Thickness (in)	Approx. I.D. (in)	Weight per ft. (lb.)	Volume per ft. (gal.)
3/8"	0.500 ± 0.003	0.070 + 0.010	0.35	0.041	0.005
1/2"	0.625 ± 0.004	0.070 + 0.010	0.475	0.053	0.009
3/4"	0.875 ± 0.004	0.097 + 0.010	0.671	0.102	0.018
1"	1.125 ± 0.005	0.125 + 0.013	0.862	0.170	0.045

Tolerances referenced from ASTM F876.

Applications

Potable water, residential fire suppression, radiant heating, direct burial, embedment in concrete, snow & ice melting, geothermal ground-loops, turf conditioning, municipal water service lines & plenum application.

Materials

Cross-Linked Polyethylene / PEX-b / Silane Method

Materials Designation Code - PEX 5306

(5) Chlorine Resistance	Rated to continuously recirculate hot water at 140°F (40°C)
(3) UV Resistance	Six-month UV resistance
(06) Hydrostatic Stress	160 psi @ (33°F - 70°F) (0.5°C - 21°C) 100 psi @ 180°F (80°C) 80 psi @ 200°F (93°C)

For more technical data, visit the product at:
<https://www.sharkbite.com/products/potable-pex-b>

Certifications & Listings

ANSI/NSF/CAN 61, ANSI/NSF 14, ASTM F876, ASTM F2023, ASTM F2657, ASTM F877, UL 1821, ASTM E84, ASTM E119 & CAN/ULC S101, AWWA C904

Code Approvals



US 1 877 700 4242 | sales@sharkbite.com | sharkbite.com
Canada 1 888 820 0120 | canadasales@rwc.com

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Part number and description

Part #	PEX Tubing (Coil)
U855R100	3/8" 100' Coil
U860R25	1/2" 25' Coil
U860R50	1/2" 50' Coil
U860R100	1/2" 100' Coil
U860R300	1/2" 300' Coil
U860R500	1/2" 500' Coil
U860R1000	1/2" 1000' Coil
U870R25	3/4" 25' Coil
U870R50	3/4" 50' Coil
U870R100	3/4" 100' Coil
U870R300	3/4" 300' Coil
U870R500	3/4" 500' Coil
U880R100	1" 100' Coil
U880R300	1" 300' Coil
U880R500	1" 500' Coil

Part #	PEX Tubing (Straight Length)
U860R2	1/2" 2' Straight Length
U860R5	1/2" 5' Straight Length
U860R10	1/2" 10' Straight Length
U860R20	1/2" 20' Straight Length
U870R2	3/4" 2' Straight Length
U870R5	3/4" 5' Straight Length
U870R10	3/4" 10' Straight Length
U870R20	3/4" 20' Straight Length
U880R5	1" 5' Straight Length
U880R10	1" 10' Straight Length
U880R20	1" 20' Straight Length

Bend Radius

Unsupported Bend Radius = 8 X O.D.

Expansion & Contraction Rate

Expansion rate: 1.1" / 10°F / 100'

Product Submittal

Name	
Date	
Architect/Owner	
Contractor	
Tag	
Notes	

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EN-US

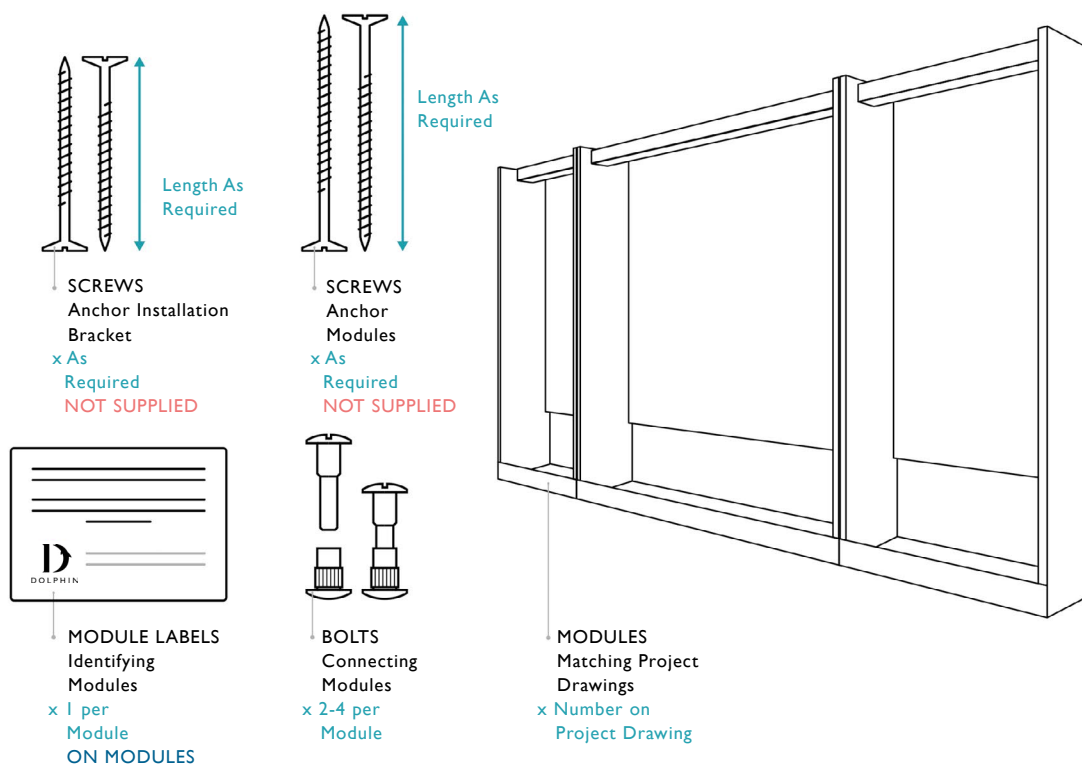
AN RWC BRAND
RWC

INSTALLING MODULES

BEFORE YOU START

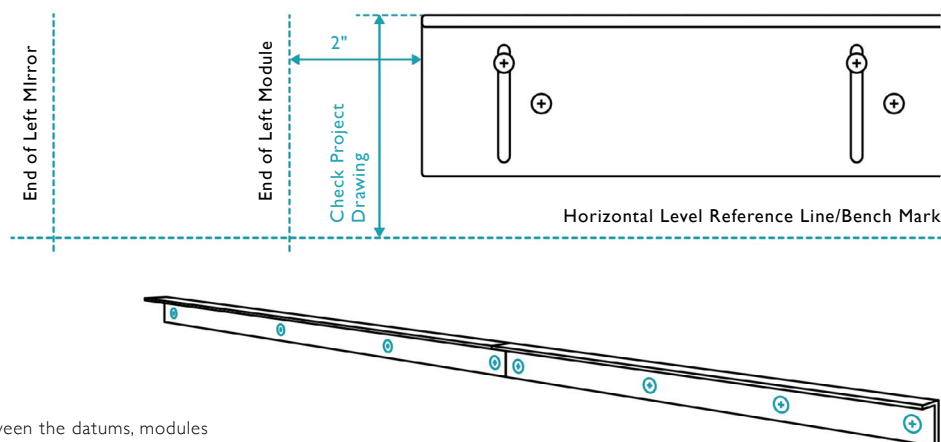
Ensure you have the correct modules for the WashWall system. Each module will be labelled and must match the project drawings.

Ensure you have all of the parts and fixings listed below.



01 INSTALL THE SUPPORT RAIL

Mark all datums on the wall and install the support rail in the correct location as shown below. A recommended screw diameter of 1/4" should be used. Check all brackets that make up the rail are level and secure.



NOTE

Ensure relationship between the datums, modules and the support rail are correct.

**** MINIMUM OF TWO OPERATIVES SHOULD BE UTILISED FROM HERE ON ****

System weighs 120 Lbs per 3 feet.

02 DETERMINE THE NUMBER OF MODULES

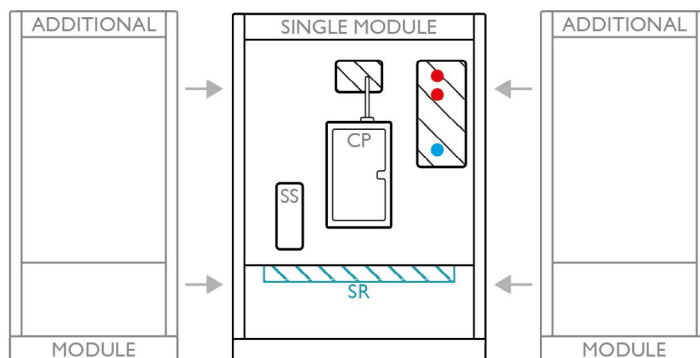
Determine number of modules on the project drawing and follow the respective instructions below. If the system has additional modules (AM), either to the left of the control panel (CP) or to the right of the soap system (SS), these should be installed last and do not require a support rail (SR).

SINGLE MODULE

Lift single module onto the support rail and fasten securely to the wall using all screw holes.

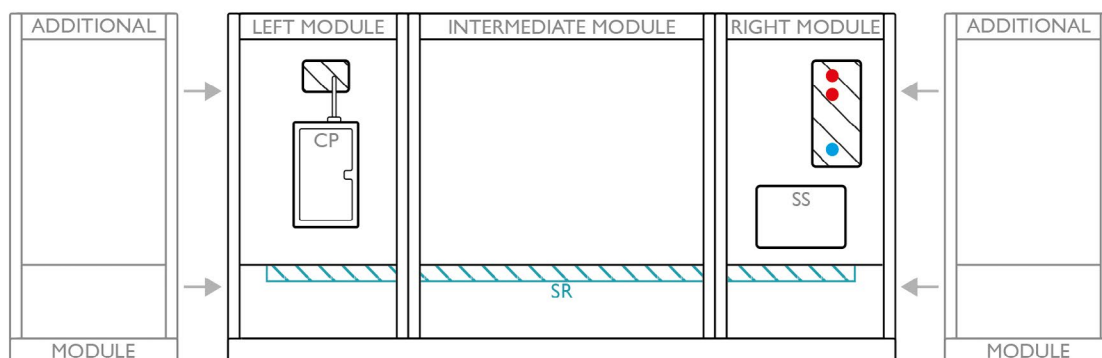
If the system has additional modules, align and anchor to each end. These are not placed on the support rail.

Continue to Installing Mirrors on Page 16.

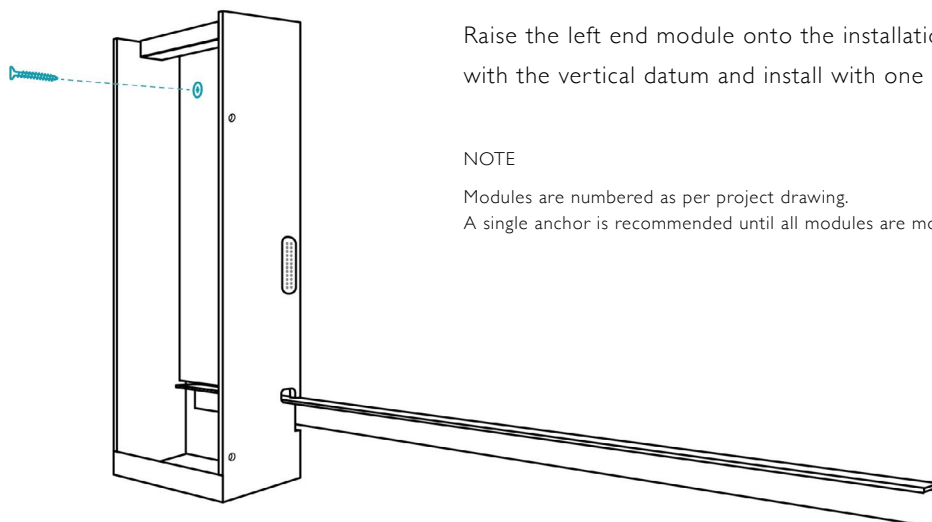


TWO MODULES OR MORE

Continue to step 03 below. If the system has additional modules, either to the left of the control panel or to the right of the soap system, these should be installed last and do not require a support rail.



03 POSITION LEFT HAND MODULE



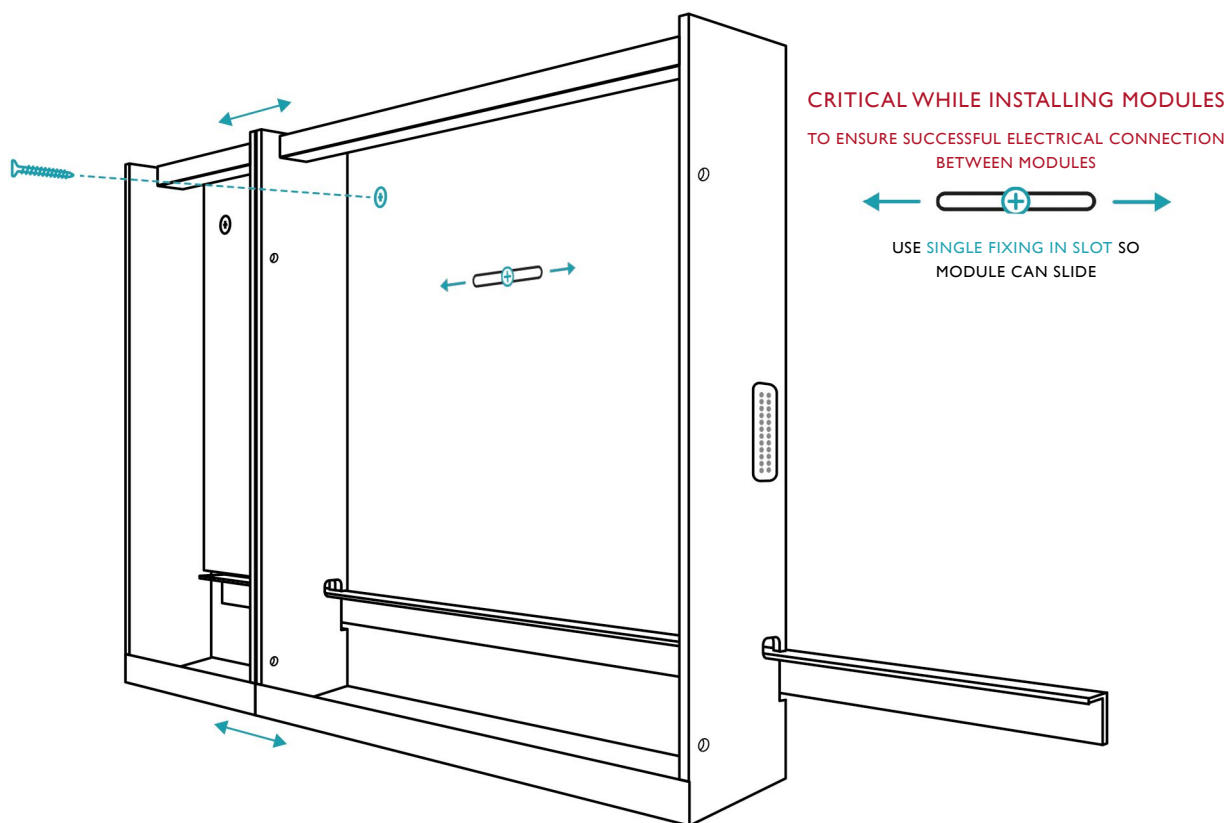
Raise the left end module onto the installation bracket, align with the vertical datum and install with one screw.

NOTE

Modules are numbered as per project drawing.
A single anchor is recommended until all modules are mounted.

04 POSITION NEXT MODULE

Lift the next module onto rail and slide carefully up to the previous module. Ensure the 24 pin plug, soap tube and water pipes are fed through and connected.



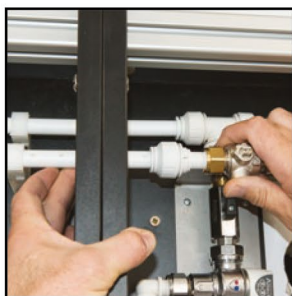
05 SLIDE, PULL TIGHT, BOLT THEN ANCHOR

Use the two-part connecting bolts through the side panels to connect the modules and pull them tight together. Only after the modules are tight should you then attach the module to the wall. A single anchor is recommended until all modules are mounted.

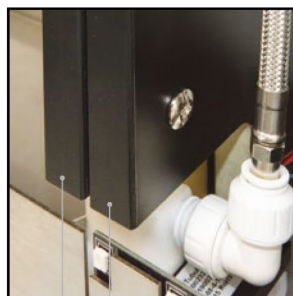
SLIDE



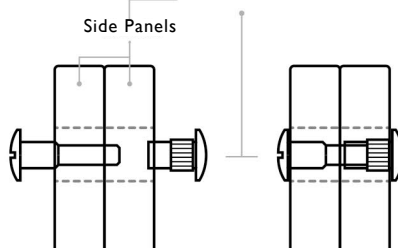
PULL TIGHT



BOLT



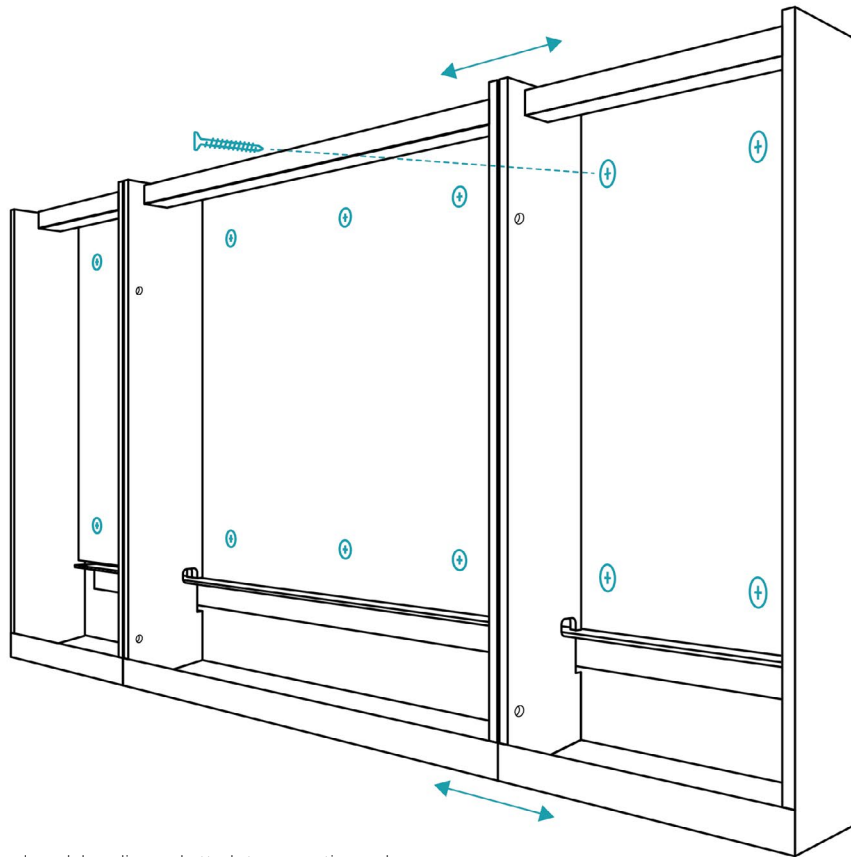
INSTALL /
ATTACH



**** MINIMUM OF TWO OPERATIVES SHOULD BE UTILISED FROM HERE ON ****

06 POSITION RIGHT MODULE

Lift the right module onto rail and repeat step 05. Once all the modules are tight against each other and level on the support rail, use all remaining screw holes to install the WashWall securely to the wall. Extra holes can be drilled as required.



NOTE

If the system has additional modules, align and attach to respective ends. These do not require a support rail. See Page 15, step 03.
If lighting is installed on additional modules, these must be plugged into the adjacent modules.

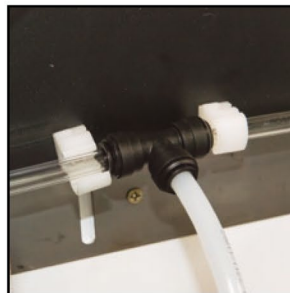
07 CONNECT SOAP PLUMBING

Make the plumbing connection for the soap taking care to ensure the tube runs behind the vertical pipe that feeds the tap. The tube must be pushed fully home inside the fitting ensuring the depth marker lines up with the edge.

CONNECT



PUSH TIGHT

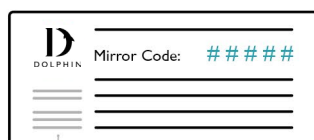
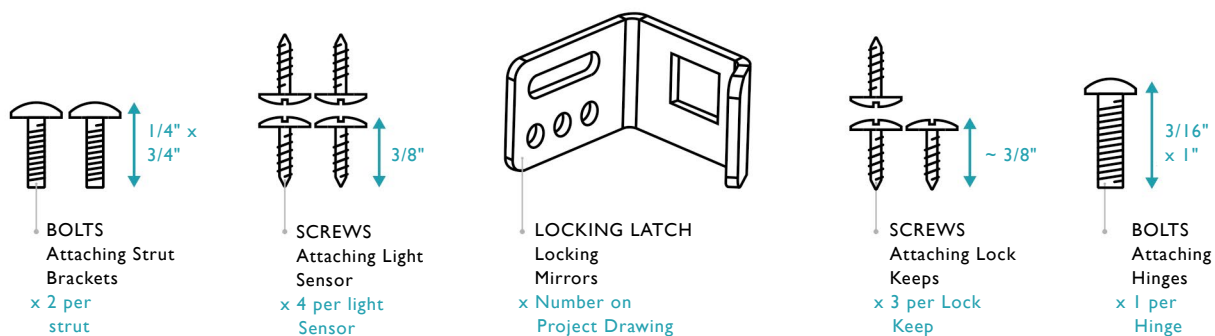


FITTING MIRRORS

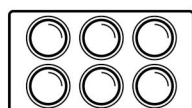
BEFORE YOU START

Ensure you have the correct mirrors for the WashWall system. Each mirror will be labelled and must match the project drawings.

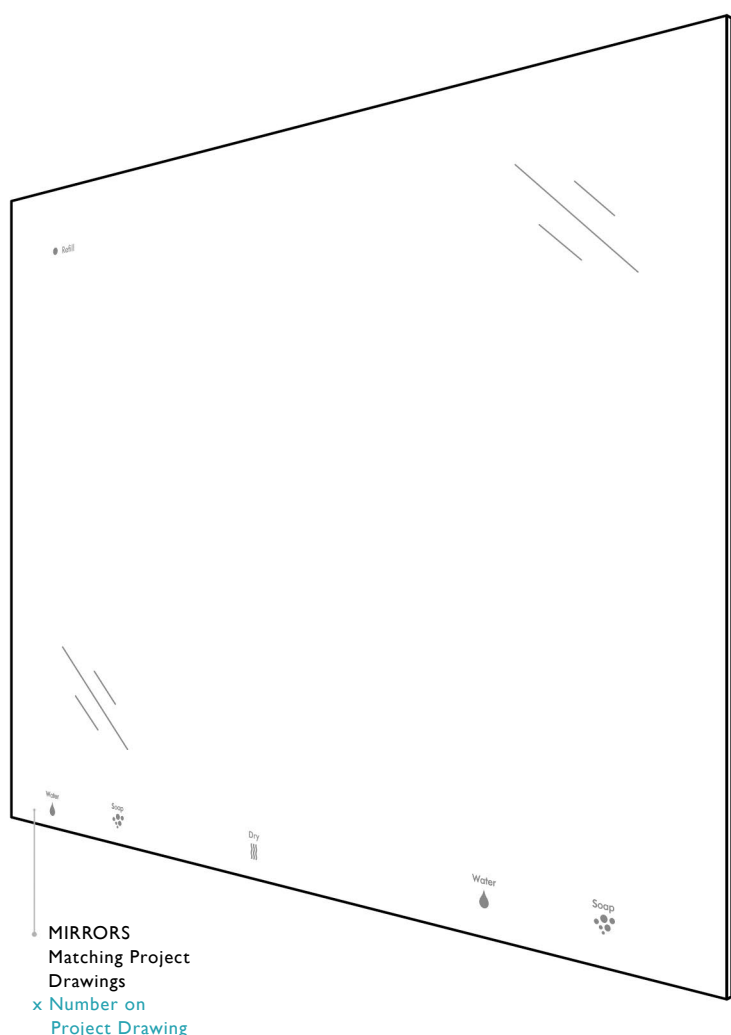
Ensure you have all of the parts and fixings listed below.



MIRROR LABELS
Identifying Mirrors
x 1 per Mirror
ON MIRRORS



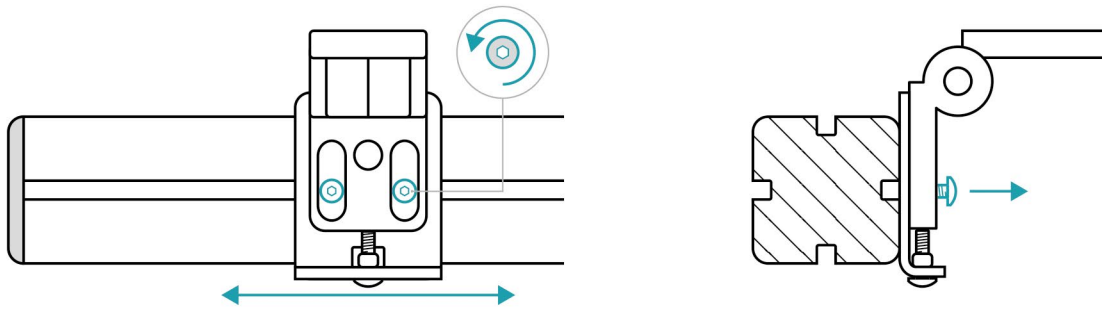
MOUNT BUTTONS
Bumper Behind Mirrors
x 2 per Mirror



MIRRORS
Matching Project Drawings
x Number on Project Drawing

01 FINGER TIGHTEN FASTENERS AT MIRROR HINGES

Finger tighten the bolts on mirror hinges to allow them to slide easily along the rail. The hinges will already be attached to the hinge rail on the modules.

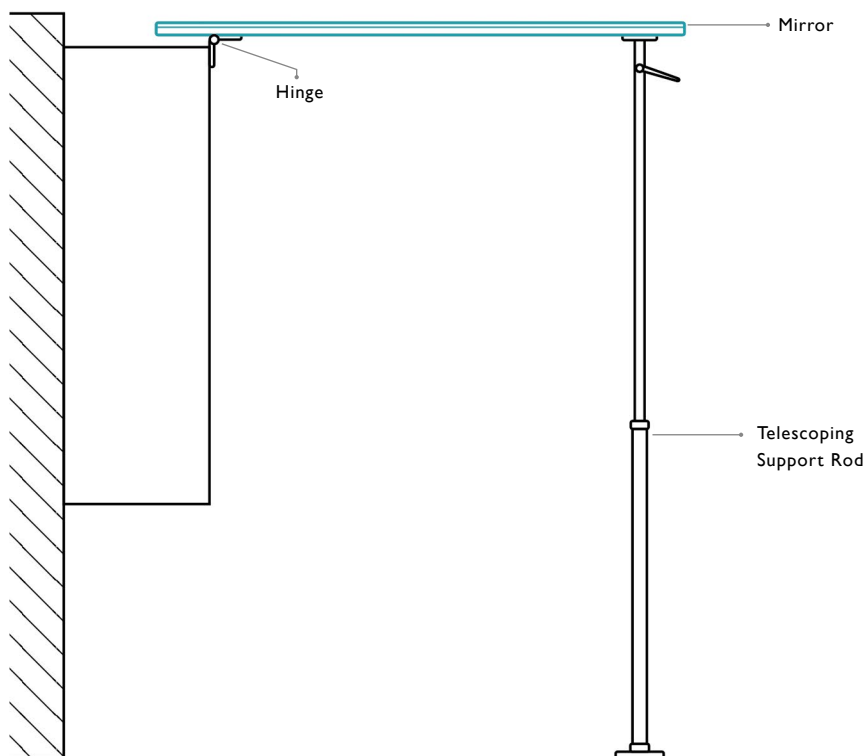


**** MINIMUM OF TWO OPERATIVES SHOULD BE UTILISED FROM HERE ON ****

**** KEEP TOP AND BOTTOM BATTENS ON MIRROR WHILST INSTALLING ****

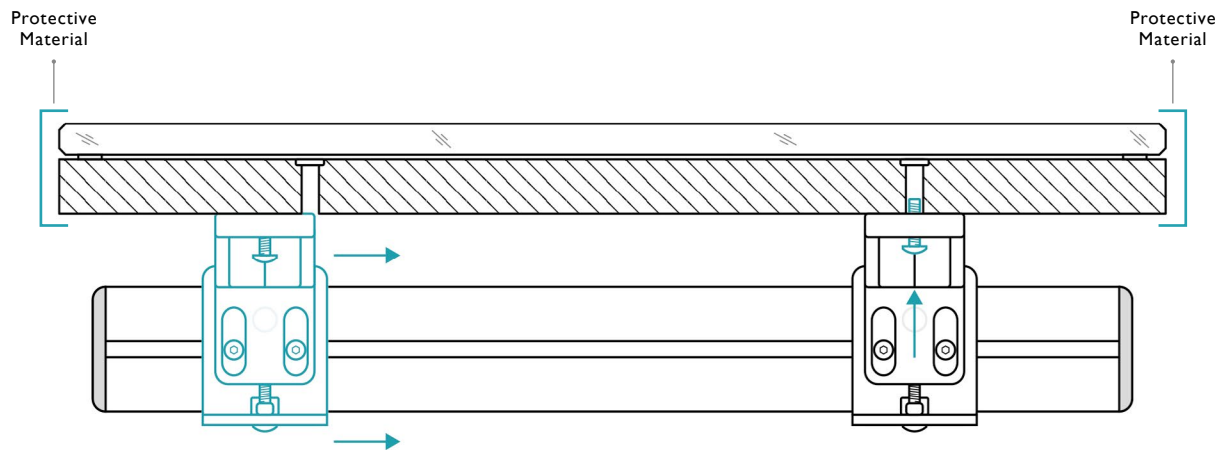
02 LIFT FIRST MIRROR INTO PLACE

Lift mirror to horizontal and move into position on the WashWall system. Hold or prop the mirror open as shown below.



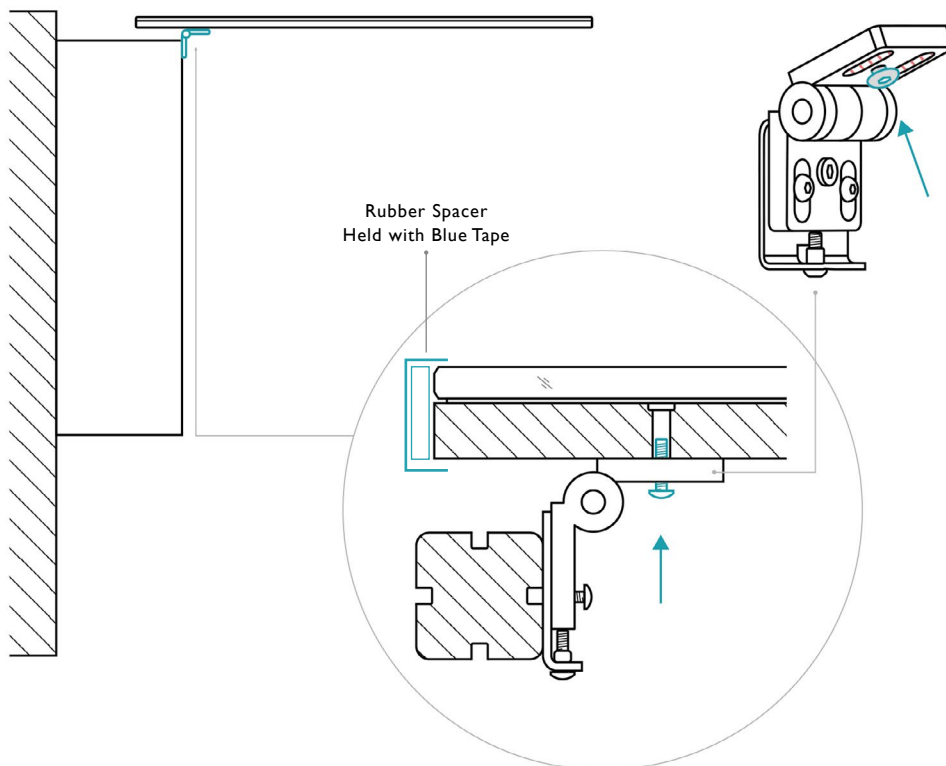
03 SLIDE HINGES INTO POSITION

Slide hinges into position to line up with mirror fixing holes.



04 ATTACH HINGES ONTO MIRROR

Use attached bolts to install hinges to the mirror.



NOTE

Bolt must be inserted into round hole, not into slotted holes.
Take care not to cross thread the bolt as its counterpart insert cannot be replaced.

05 CLOSE MIRROR AND ALIGN

Remove prop and close the mirror. Then slide mirror along rail and line up with the alignment notch in the metal bottom plate as shown below. If there is only one mirror, align as per Project Drawings.

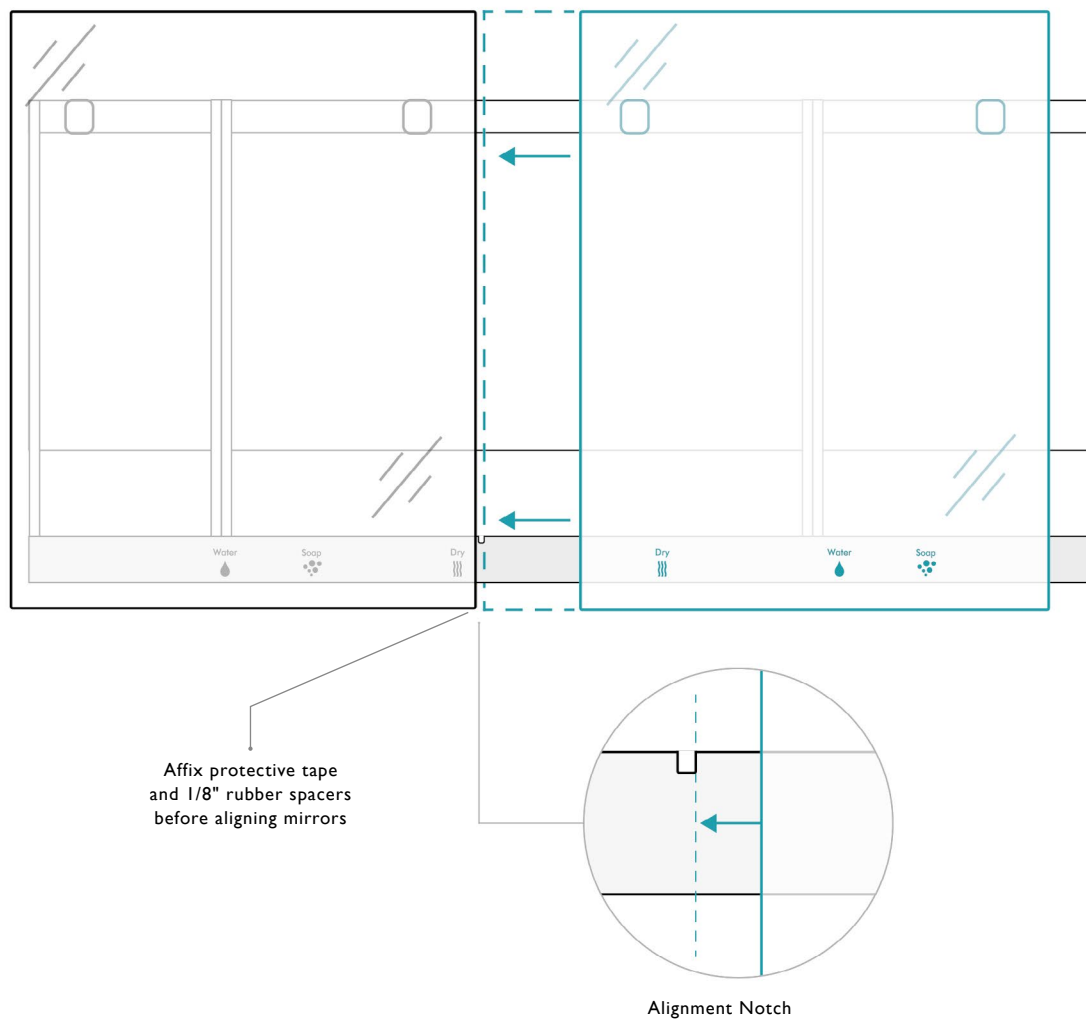
NOTE

For the left hand mirror, the right hand edge should be aligned with the left hand edge of notch.

For all other mirrors, the left hand edge should be aligned with the right hand edge of notch.

This is to allow for the correct spacing of 1/8" between mirrors.

**** TAKE CARE TO ENSURE MIRRORS DO NOT COLLIDE ****



06 ATTACH GAS STRUTS ONTO MIRROR

Open the mirror to horizontal and prop open again. Ensure the ball joint is fully tightened against the strut at both ends. Then attach the gas strut to the mirror using the 90 degree bracket and bolts provided. Test by removing props while manually supporting the mirror to ensure gas struts are holding all the weight.

NOTE

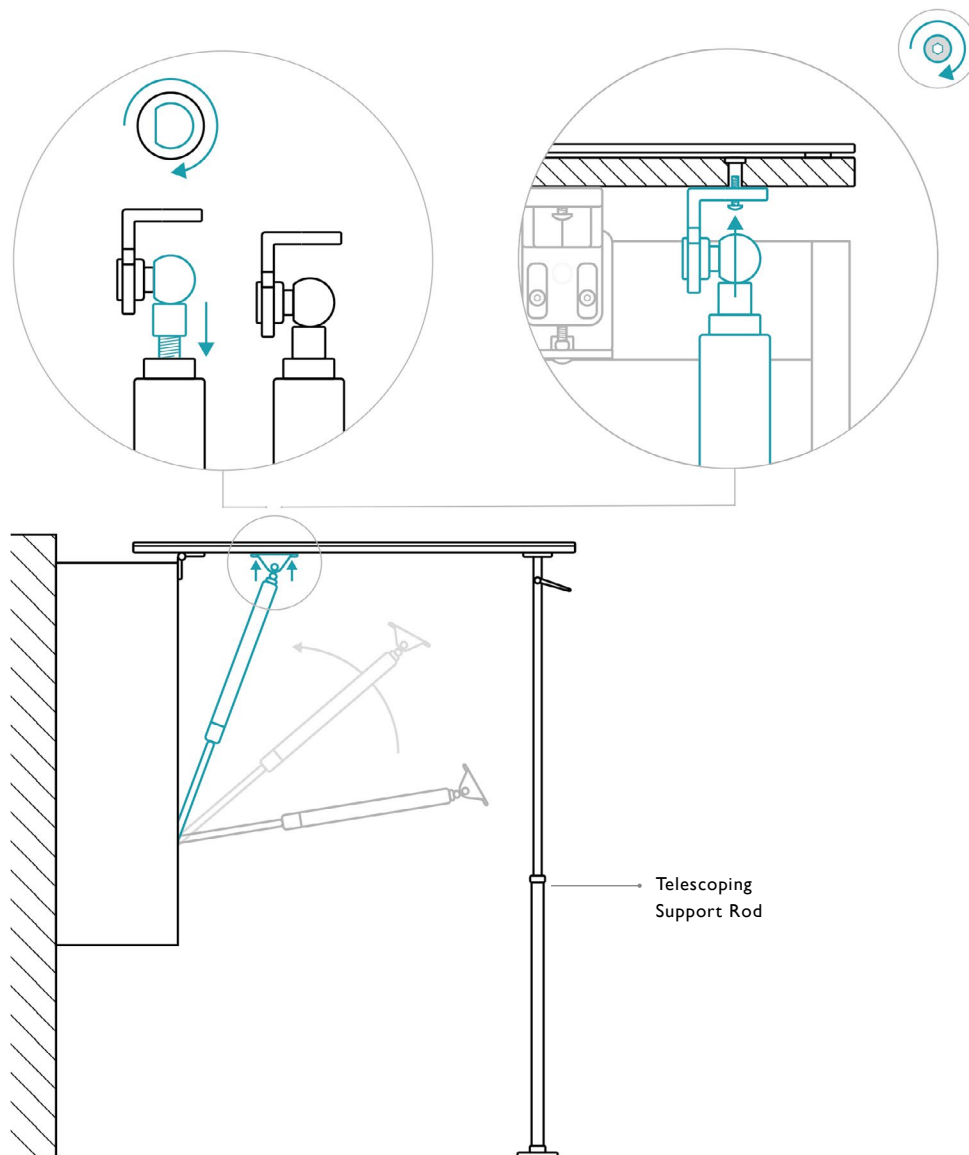
The struts will already be attached to the correct module, with the cylinder at the top.

The 90 degree bracket will already be attached to the gas strut.

Check that the ball joint on the 90 degree bracket is facing towards the nearest module side panels.

Take care not to cross thread the bolt as its counterpart insert cannot be replaced.

**** OPEN MIRRORS SLOWLY AND WITH CAUTION AT THIS STEP AS GAS STRUTS WILL BE FULLY CHARGED - THIS COULD RESULT IN THE MIRRORS OPENING WITH EXCESSIVE FORCE UNTIL ADJUSTED AS PER STEP 07 ****



07 ADJUST PRESSURE IN GAS STRUT

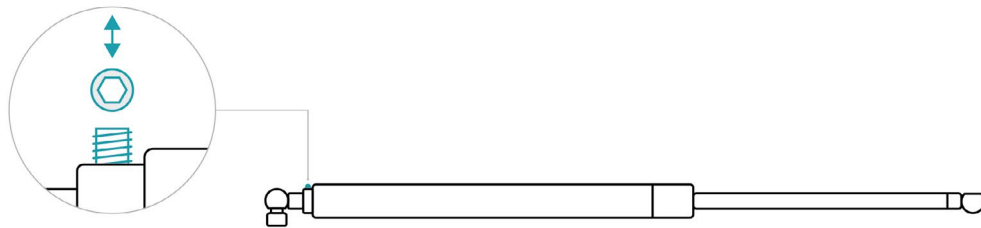
To adjust gas pressure, loosen set screw in short bursts, and maintain equal pressure between strut pairs.

NOTE

Test mirror weight repeatedly to ensure sufficient gas remains.

Do not over-tighten set screw.

**** RELEASE SET SCREW IN SHORT BURSTS AND WITH CAUTION ****

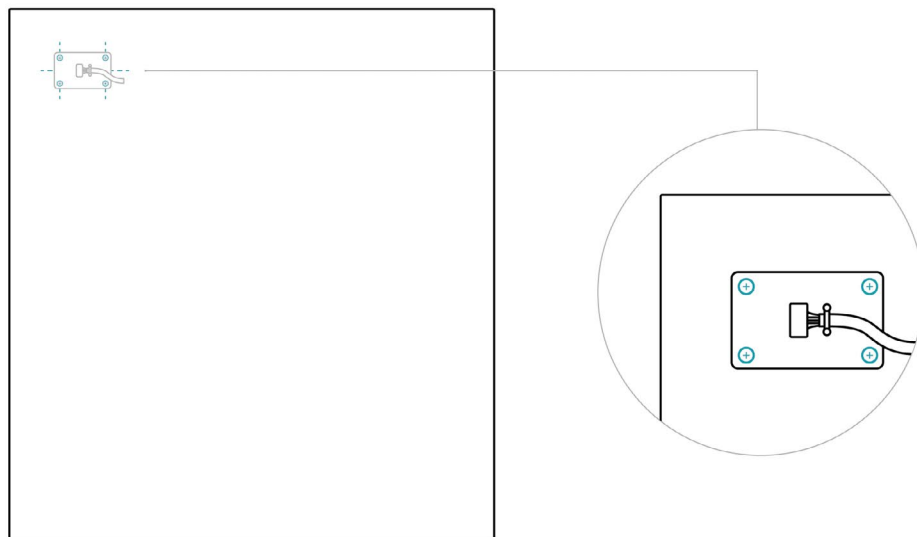


**** REPEAT STEPS 01 - 07 FOR ALL SUBSEQUENT MIRRORS ****

08 ATTACH REFILL LIGHT BOARD TO MIRROR

Position refill light board onto back of mirror by locating the pilot holes which are indicated on the project drawings.

Carefully connect the board to the mirror using the screws provided.



09 ADJUST MIRROR POSITIONS

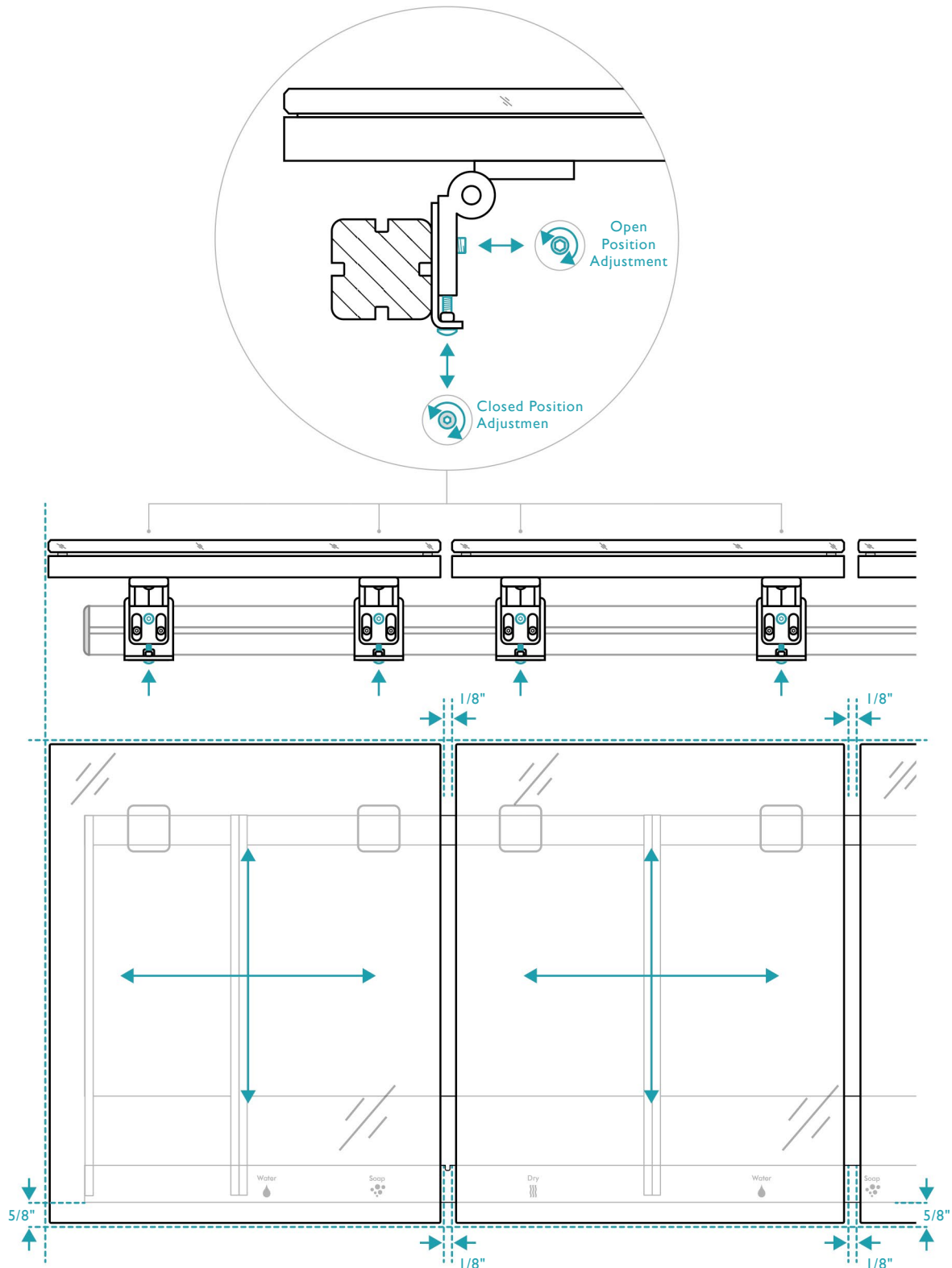
Check all mirrors align with equal gaps both in the closed and open positions. Use the bolts on the hinges to adjust as necessary.

Then tighten all hinge bolts and recheck all mirrors are level with equal gaps.

NOTE

Ensure hinge connection bolts are loose before adjusting mirrors.

Mirrors should be opened carefully ensuring edges do not conflict.

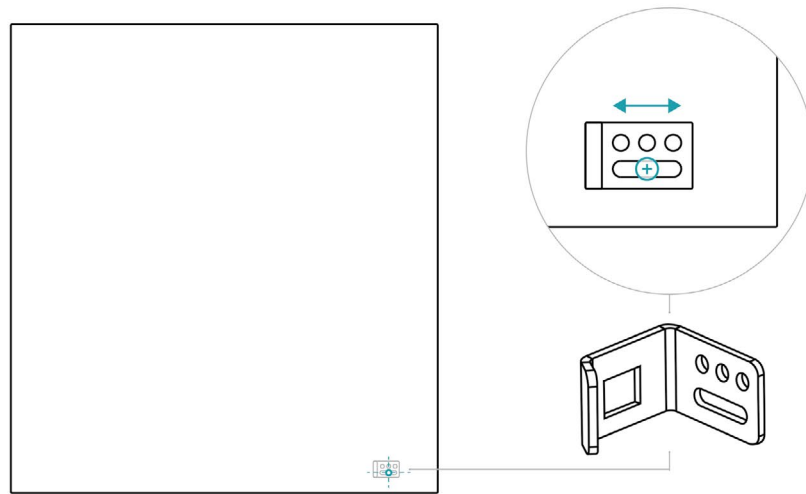


10 FIX LOCK LATCH ONTO MIRROR

Locate lock latch onto back of mirror by finding the pilot hole which will be indicated on the project drawings. First install one screw centrally in the slotted hole to allow for adjustment.

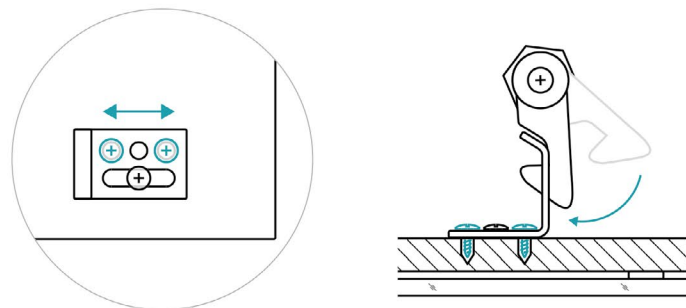
NOTE

Ensure the slotted hole is nearest to the bottom of the mirror.



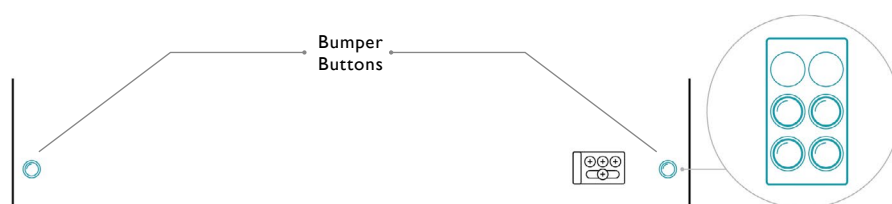
11 ADJUST AND SECURE LOCK LATCH

Close the mirror and check the lock latches automatically with its counterpart. Adjust as necessary and attach in place with remaining screws.



12 STICK MOUNT BUMPER BUTTONS ON MIRROR

Stick mount bumper buttons on back of mirror where the module and the mirror make contact. This creates a soft close bumper when shutting the mirror screws.



INSTALLATION AND COMMISSIONING CHECKLIST

VISUAL AND FUNCTIONAL CHECKS

Ensure all visual and functional checks have been carried out to check the WashWall has been delivered and installed successfully.

01 PROJECT DETAILS

Project Reference Number:

System Number:

Location:

02 VISUAL CHECKS

- ☐ Mirror Condition is excellent
- ☐ Mirror alignment is correct - 1/8" gaps between mirrors and all mirrors align with their corresponding alignment notch
- ☐ All plumbing and soap connections are pushed up to depth markers
- ☐ Soap tubing is straight and level across system without kinks
- ☐ Foaming soap solution is supplied - [important not to use liquid soap](#)

03 ACTIVATE WASHWALL SYSTEM

Turn on power supply to the system

Slowly and carefully turn on water supply to the system and check for leaks

Activate the WashWall by turning on the RCD and the MCB switches

Wait 30 seconds for system to initialise

All faucets will discharge momentarily to show they have been activated

04 FUNCTIONAL CHECKS

- ☐ There is a 1/8" clearance between all mirrors when in the open position
- ☐ All mirrors latch and lock securely
- ☐ Gas struts support weight of mirrors

- ☐ Light sensor is operating correctly - circle located at the top left of the WashWall
- ☐ Soap/paper refill light is illuminated
- ☐ Service key switch is working

Cover with hand to check - lighting will turn off
See O&M guide for light sensor adjustment
See O&M guide for refill light details
In service mode taps and soap dispensers will be disabled - refill light will be red

- ☐ All icon lights are illuminated
- ☐ All halo lights are illuminated
- ☐ All through mirror lights are illuminated
- ☐ Color and brightness of lights - can be adjusted

If installed
If installed
If installed
See O&M guide for light adjustment

- ☐ All hand dryers activate when hands placed under sensor
- ☐ All soap dispensers discharge when hands placed under sensor
- ☐ All faucets discharge when hands placed under sensor
- ☐ Water output temperature from TMV is correct and conforms to regulations

See O&M guide for adjusting TMV
TMV - Thormostatic Mixing Valve

05 ACTIONS

Cleaners/facilities staff onboarded in detail with the WashWall and the relevant instructions for cleaning and maintenance

Cleaners/facilities staff shown how to put unit into service mode with key-switch for cleaning and maintenance

Cleaners/facilities staff advised to refill the WashWall with foaming soap solution **ONLY** and not liquid soap

06 SIGN OFF

Commission completed by:

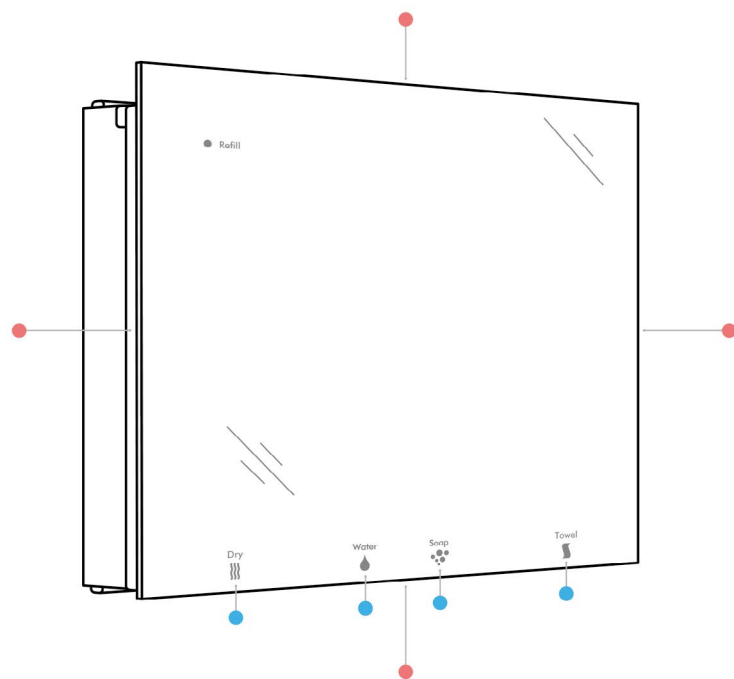
Signed:

Date:

LIGHT CONTROL

LIGHTS ON THE WASHWALL

The lights integrated into the WashWall system are displayed below.



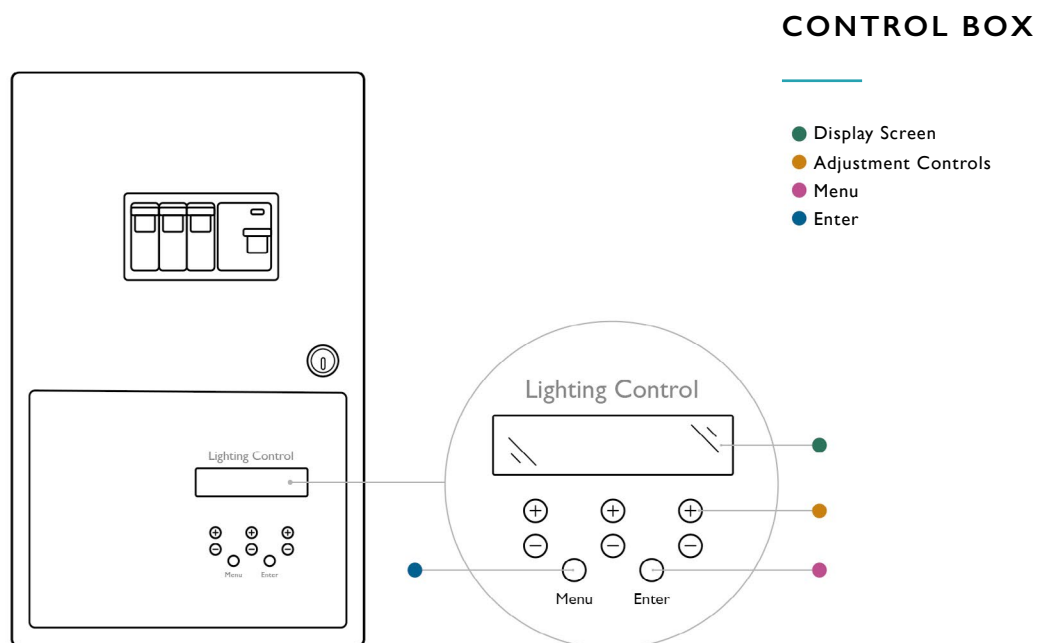
LIGHTS

- Halo Lights - Bottom, Top, Left and Right
- Icon Lights



HOW TO ADJUST LIGHTS

Locate light adjustment controls on the front of the WashWall control box as displayed below.



01 PRESS MENU

To activate screen

02 PRESS MENU TO SCROLL OPTIONS

- Halo lights
- Icon lights
- White balance
- Copy side colour to front
- Reset to default values

03 PRESS ENTER

On the option to be adjusted

04 USE TO ADJUST

To desired values

05 PRESS ENTER

To confirm values and return to options



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