ADA/ANSI COMPLIANT BARRIER-FREE SHOWER STALLS:

For **roll-in showers with a flat threshold**, build up or recess the bathroom floor ¾" less the thickness of the finished floor. For **beveled thresholds**, build up or recess the bathroom floor ¾" less the thickness of the finished floor, ensuring that the finished floor meets the base of the bevel at the threshold.

It is recommended that the bathroom floor outside ADA clear floor space be designed with a floor drain to alleviate any water over spray that may escape the shower stall.

ADA Code from the Federal Register – Department of Justice 28CFR Part 36 section 4.21.7, July 1, 1994 Rules & Regulations. Excerpt from Paragraph 4.21.7 Curbs "Shower stalls that are 30" x 60" minimum shall not have curbs."

ADA Code from the Federal Register – Federal Access Board, July 24, 2004. Paragraph 608.7 Thresholds. Thresholds in roll-in type shower compartments shall be ½" (15 mm) high maximum in accordance with 303. In transfer type shower compartments, thresholds ½" (15 mm) high maximum shall be beveled, rounded, or vertical.

EXCEPTION: A threshold 2 inches (51 mm) high maximum shall be permitted in transfer type shower compartments in pre-existing facilities where provision of a ½" (15 mm) high threshold would disturb the structural reinforcement of the floor slab.
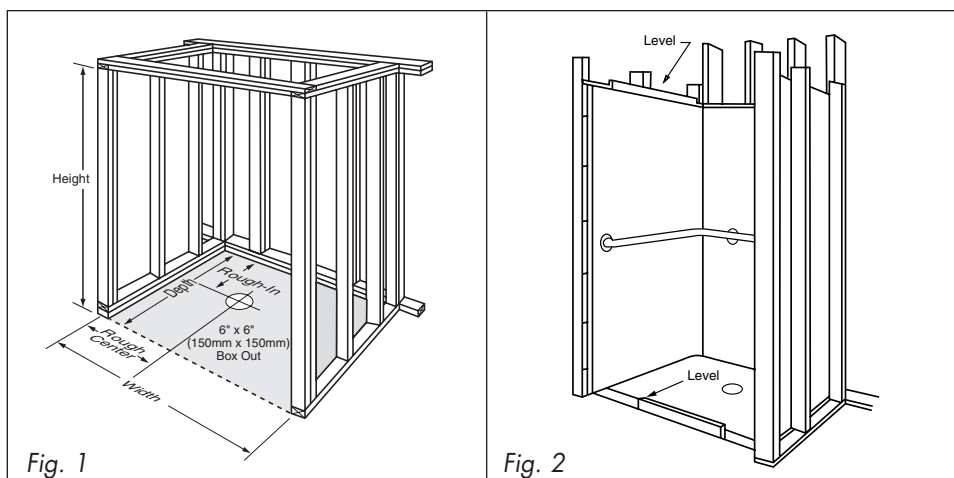
PRE-INSTALLATION PLANNING

1. Unit must be placed within bathroom area before completion of door framing or, if preferred, studs may be omitted or knocked-out to permit unit placement.

2. Review job print and Aquatic rough-in dimensions; verify all key dimensions against actual job conditions.

3. Make sure framed-in alcove is of proper size, square and plumb; check floor for levelness. (Fig. 1)

4. If fire-rated alcove is required, approved finish material must be in place prior to unit installation to meet fire safety requirements of local building code and/or FHA/HUD Minimum Property Standards. NOTE: Finished alcove must have interior dimensions shown on rough-in diagram to permit installation of unit.

5. Foundation materials (industrial plaster, mortar mix, lightweight grout) are mandatory under the bottom of each unit to solidify for wheelchair support.

6. Provide 6" x 6" (150mm x 150mm) floor opening for 2" (50mm) IPS and drain connection. (Fig. 1)

7. To avoid obstruction, make sure that supply lines and valve plumbing are not strapped to studs and do not project into alcove. Also, drain pipe must not project above floor level prior to installation.

8. On inside of plumbing wet wall of unit, note location of supply elbow and mixer valve.

9. To prevent scuffing while installing unit, cover the entire bottom of the unit with a piece of cardboard or other protective material.

10. Fasten drain fitting to unit before installing (see manufacturer's instructions). Fasteners for wood framing—1½" galvanized roofing nails or #10 x 1½" self-tapping washer head screws; for concrete or block walls—1" concrete nails and nailing tool; for steel studs (18 ga.)—drill flanges and studs with 5/32" carbide bit and use #12 x 1" sheet metal screws.
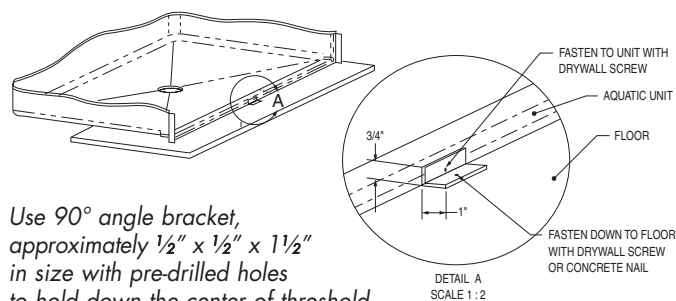
INSTALLATION PROCEDURE

1. Before placing unit in framed alcove, spread a bed of foundation materials around drain, extended to perimeter of shower floor.

2. Lift and place unit directly on top of foundation material with drain fitting over and onto waste pipe with threshold firmly on the floor. Assure waste pipe protrudes well into drain fitting. Maintain proper floor slope towards drain.

3. Using 3 ft (915mm) level, check top of both side-walls and threshold. (Fig. 2) Spot nail each upper front corner to secure unit until foundation material has set. Apply weight on top of drain and threshold center until set.

4. (a) Fasten lower corners of vertical side nailing flanges; (b) fasten upper corners; work toward back from each front corner, fastening at each stud through horizontal flange, finishing at rear center; (c) complete fastening along vertical side flanges, 8" (205mm) o.c. Pre–drill all nailing flanges.

Alcove Framing and Installation
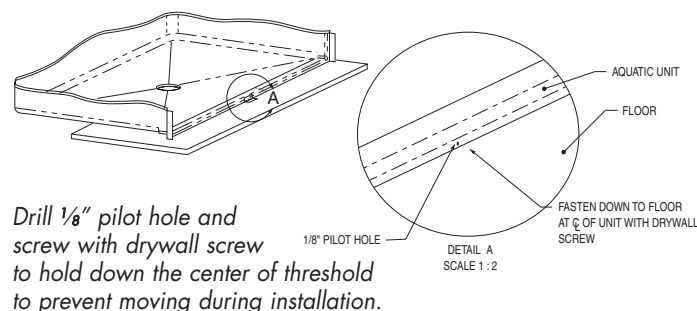

Fig. 1

Fig. 2

Threshold Center Hold-Down　(For models with skirt higher than 3/4")

Fig. 3a Concrete floor installation:

Use 90° angle bracket, approximately ½" x ½" x 1½" in size with pre-drilled holes to hold down the center of threshold to prevent moving during installation.

Fig. 3b Wood floor installation:

Drill ⅛" pilot hole and screw with drywall screw to hold down the center of threshold to prevent moving during installation.

ALL UNITS

1. Note fitting locations and make final connections of vacuum breaker and hose to supply elbow, and escutcheon plate and knob to mixer valve. **NOTE:** When caulking drain, protect surface with corrugated paper. Strap water lines, supply elbow and mixer valve to studs.

2. Furring strips (⅛" thick, as nailing flanges) are recommended for installation on studs above the installed Aquatic unit to assure walls will be flush. If backwall is sheetrock firewall not to be penetrated, and unit has backwall mixing valve, add 2" to depth for clearance. Then block and fir-out backwall at and above unit to allow more sheetrock to cover nailing flange.

CLEAN-UP

1. **Do not** remove warranty/maintenance adhered label. Leave on unit for owner/occupant per code requirement.

2. **Prevent staining**. Remove **all** debris before plumbing leak test. Use sponge with warm water and liquid detergent. Rinse, drain and wipe clean. Do not use abrasive cleansers such as scouring powders, steel wool, metal scrapers, sandpaper or anything else that might mar, dull or scratch the finish.

3. Plaster and latex paint may be removed with warm water, liquid detergent and brittle brush or plastic scraper. Glues, tars and enamels may be removed with acetone or paint thinner. **Do not use** turpentine or laquer thinner. **Do not use** excessive heat or any caustic solvents or chemicals.

4. Dull areas and light scratches may be removed by buffing with a light colored automotive rubbing compound and buffing pad. Entire unit can be waxed with light colored automotive wax. **Do not wax bottom of unit.**

5. See user maintenance label for more details.

OPTIONAL VINYL FLEXIBLE DAM (Model #: 9STRIP)

NOTE: Please check with your local Building Code Authority for final code approval.
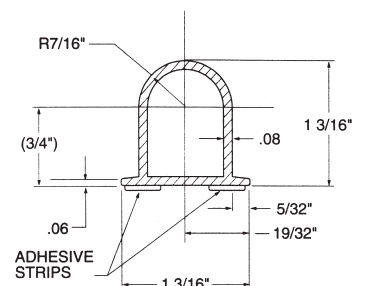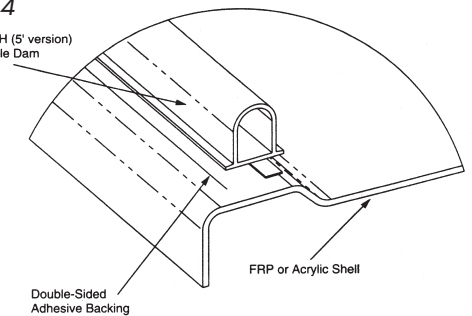
Installation

1. Make sure the vinyl flexible dam is of proper length by measuring right to left, in between shower walls.

2. Round all four bottom corners to approximately a ⅜″ radius with a sander or utility knife to fit.

3. Before installing, wipe the top of shower threshold with a 50:50 mixture of isopropyl alcohol and water until surface is clean. Wipe dry.

   IMPORTANT: To obtain maximum adhesion, the threshold must be clean and completely dry before applying vinyl dam.

4. Beginning from one end, place the vinyl dam on top of the shower threshold, peel away adhesive and press down towards other end.

5. Apply pressure (at least 15 psi) at the bond line. Firm application pressure facilitates stronger adhesion.

6. Silicone both inside and outside the entire length of the vinyl dam with clear or white sealant.

7. Product needs to set for 72 hours to acquire 100% bond.

Maintenance

Clean with mild detergent and warm water or any non-abrasive, non-petroleum based cleaner. Use of harsh chemicals, petroleum based or abrasive cleaners will damage product.

Fig. 4

#9STRIPWH (5' version) Vinyl Flexible Dam

FRP or Acrylic Shell

Double-Sided Adhesive Backing

R7/16"

1 3/16"
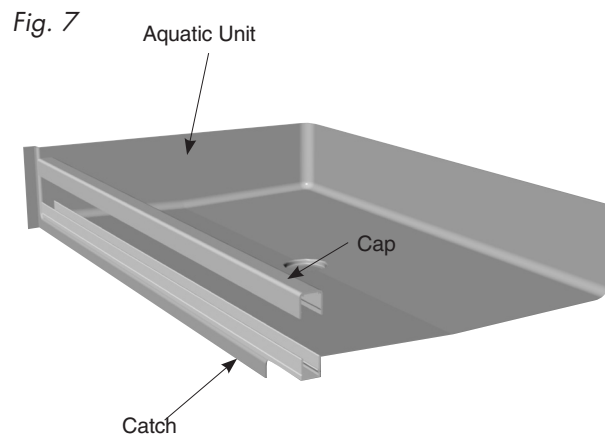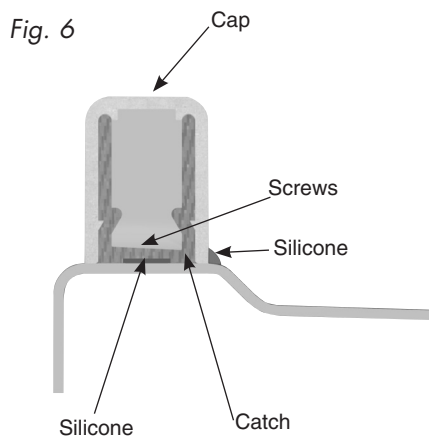
(3/4")

.08

.06

5/32"

19/32"

ADHESIVE STRIPS

1 3/16"

OPTIONAL REMOVABLE THRESHOLD (Model #: 9THRESHOLD)

Fits all barrier-free showers.

Installation

1. Make sure threshold is of proper length by measuring right to left, in between columns.

2. Round all four bottom corners on both cap and catch to approx. ⅜" radius with sander or file to fit.

3. Place catch on top of shower threshold and drill three pilot holes for #8 or #10 self-tapping screws.

4. Clean bottom of catch; then apply ¼" bead of silicone sealant to bottom of catch reveal.

5. Replace catch on top of threshold, line up pilot holes and screw down.

6. Snap cap over catch and silicone both inside corner ends and entire inside length of threshold. Tool silicone with finger and wet rag.

Fig. 6 — Cap, Screws, Silicone, Silicone, Catch

Fig. 7 — Aquatic Unit, Cap, Catch

Maintenance

Clean with mild detergent and warm water or any non-abrasive, non-petroleum based cleaner. Use of harsh chemicals, petroleum based or abrasive cleaners will damage product and may void warranty.

Warranty

Aquatic Removable Threshold assembly has a limited lifetime warranty to the original homeowner against failure resulting from defects in its manufacture. The replacement of parts is limited to supplying parts and does not include any associated costs. Improper use of cleaning agents other than those suggested by the manufacturer will void this warranty. Aquatic Removable Threshold assembly for commercial use has a three year limited warranty. Please contact Aquatic for complete warranty information.

Customer Service | Technical Services | Warranty Services

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