



Open Top Unit Installation Table Of Contents

General Installation Requirements	OT-1
Top of Slab Installation	
• 3/4" Threshold - (New Construction)	OT-2
• 3/4" Threshold - (Remodeling)	OT-3
• Typical Floor Float for 3/4" Threshold	OT-4
Pit Details	
• Typical Pit Installation for 3/4" Threshold	OT-5
• Typical Pit Installation for 2" Threshold	OT-6
Framing Details, Rough In and Drain Location Dimensions	
• Shower Enclosure Details (Wood Studs)	OT-7
• Shower Enclosure Details (Metal Studs)	OT-8
• Tub/Shower Enclosure Details (Wood Studs)	OT-9
• Tub/Shower Enclosure Details (Metal Studs)	OT-10
• Corner Shower Enclosure Details (Wood Studs)	OT-11
• Corner Shower Enclosure Details (Metal Studs)	OT-12
Setting Units in Place	
• Typical Shimming Detail for Open Top Showers & Tub/Showers	OT-13
• Installation of a Barrier Free Open Top Shower Unit	OT-14

EVERY JOB HAS UNIQUE INSTALLATION SITUATIONS, SOME ONSITE FIELD MODIFICATIONS MAY BE NECESSARY TO THE UNIT TO SATISFY THESE UNIQUE SITUATIONS. PLEASE CALL AQUA BATH PRIOR TO MAKING ANY MODIFICATIONS PRIOR TO INSTALLATION.

Open Top Unit Installation Table of Contents



GENERAL INSTALLATION REQUIREMENTS

Open Top Shower Units

NOTE: Only 3/4" threshold units require "chip out", grout and brace.

Top of Slab Installation (Reference Pages OT-2 and OT-3)

1. Slab should have a 10" diameter x 1/2" deep "chip out" area for the drain sump.
The "chip out" area should be centered with the shower drain location.

Framing (Reference Pages OT-7, OT-8, OT-9, OT-10, OT-11 and OT-12)

1.A. Shower Enclosures:

Alcove for *shower units* should have an opening as follows (also see Figure 1, Pages OT-7 & 8).
Allow for a variance of 1/4" (+/-) on all dimensions.

<u>Model #</u>	<u>Alcove Opening</u>
C4136BF-OT	39" wide x 37 1/4" deep
C6536BF-OT	63" wide x 37 1/4" deep
C6530BF-OT	63" wide x 31 1/4" deep
IS4136BF-OT	39" wide x 37 1/4" deep
IS4136SH-OT	39" wide x 37 1/4" deep
IS4836BF-OT	46" wide x 37 1/4" deep
IS4836SH-OT	46" wide x 37 1/4" deep

1.B. Tub/Shower Enclosures:

Alcove for *tub units* should have an opening as follows (also see Figure 1, Pages OT-9 & 10).
Allow for a variance of 1/4" (+/-) on all dimensions.

<u>Model #</u>	<u>Alcove Opening</u>
C6032TS-OT	58" wide x 32 3/4" deep
AB6032TS-OT	58" wide x 32 3/4" deep

1.C. Corner Shower Enclosure (Model #IS4836SH-CRNR-OT):

Alcove for *corner shower unit* should have an opening as shown in Figure 1, Pages OT-11 & 12.
Allow for a variance of 1/4" (+/-) on all dimensions.

2. Give attention to front framing detail so as to allow for the nailing flange (see Detail A).

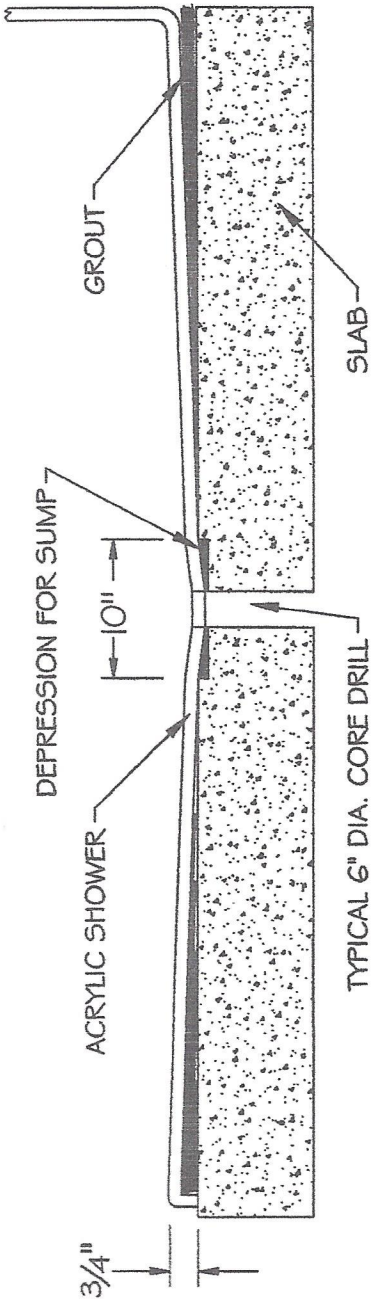
Shower Installation:

1. Provide a grout slurry to place the shower unit on top of in order to give the bottom positive contact with the floor. Grout should also be applied to the 10" "chip out" area. Use enough grout to securely support the unit, but not so much that it displaces the natural shape of unit bottom (see Page OT-2)
2. After proper bracing (see Page OT-14), use screws to attach the front of the unit to the framing.
Important Note: Since the unit's walls flex, keep the support strut in unit during installation.
3. Drill pilot holes in the unit's top nailing flanges prior to attaching the unit to the surrounding framing members with screws.

Preparation for Drywall (Reference Figure 2, Pages OT-7, OT-8, OT-9, OT-10, OT-11 & OT-12)

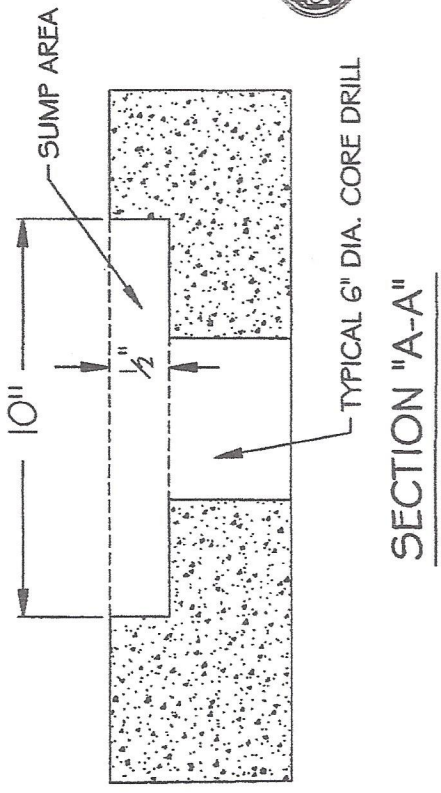
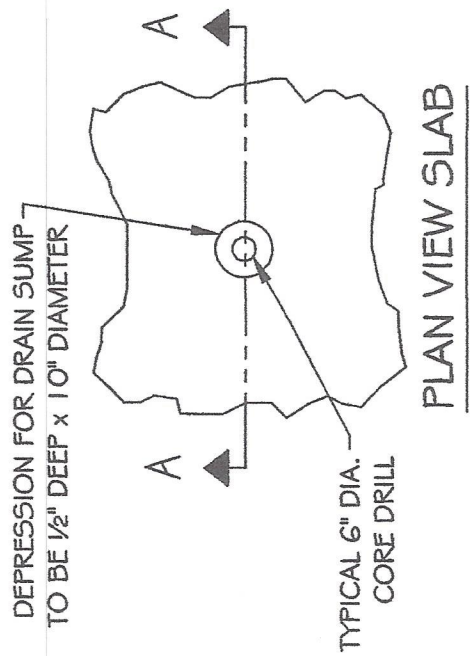
1. 3/4" furring strips are recommended for above the unit's top nailing flange. The furring strips can be installed horizontally or vertically.
2. With a proper installation, the drywall covering the front nailing flanges should match up with the drywall above the unit's sidewalls.

General Note: All installations can have unique circumstances. The above instructions are for recommendations only. The final installation procedure is at the discretion of the owner/installer of the unit. Our customer service staff is available to answer any questions that may arise. We can be reached at 1-800-232-2284.

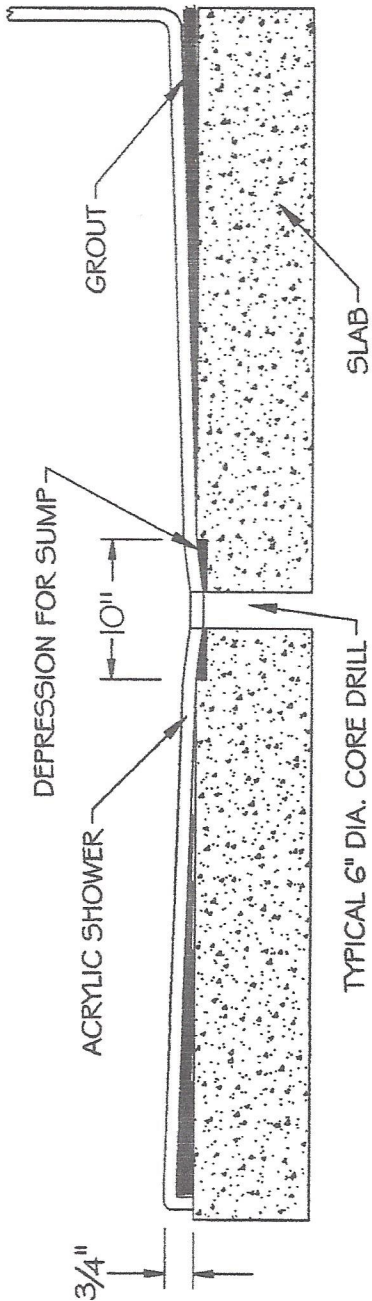


TOP OF SLAB INSTALLATION

FOR 3/4" THRESHOLD

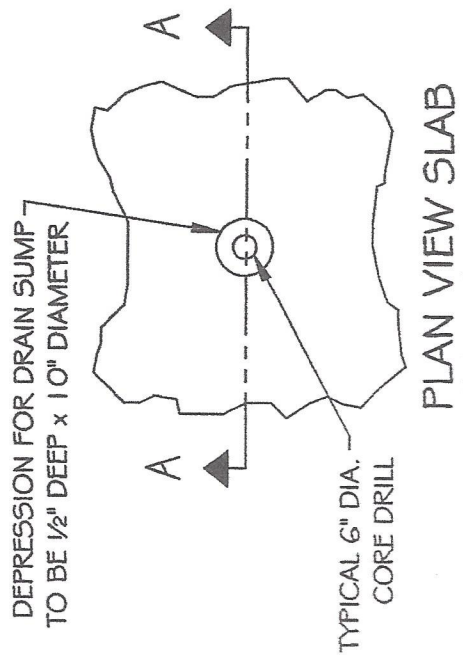


SECTION "A-A"

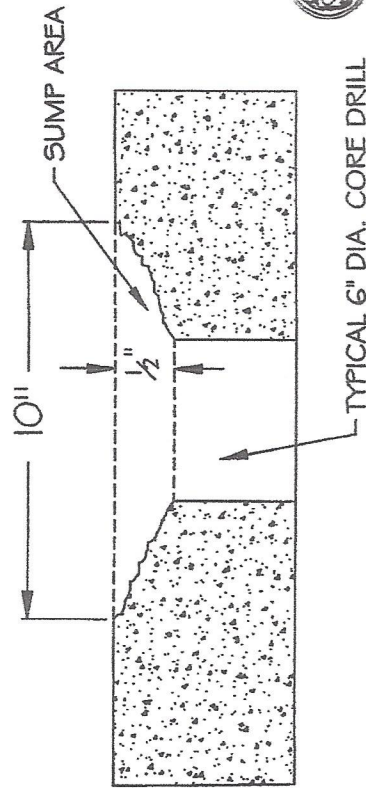


TOP OF SLAB INSTALLATION

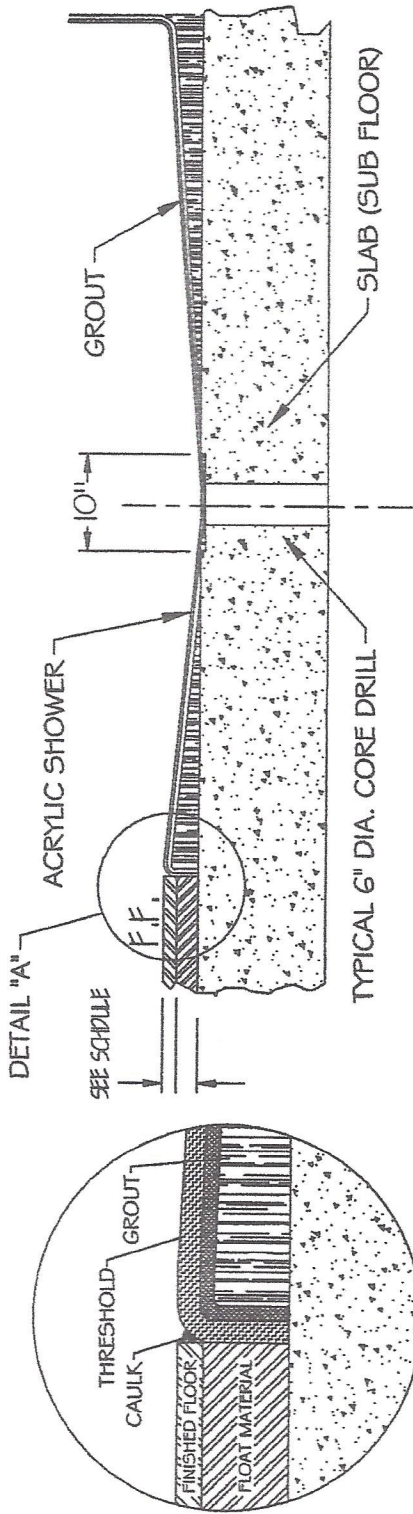
FOR 3/4" THRESHOLD



PLAN VIEW SLAB



SECTION "A-A"
FOR REMODELING

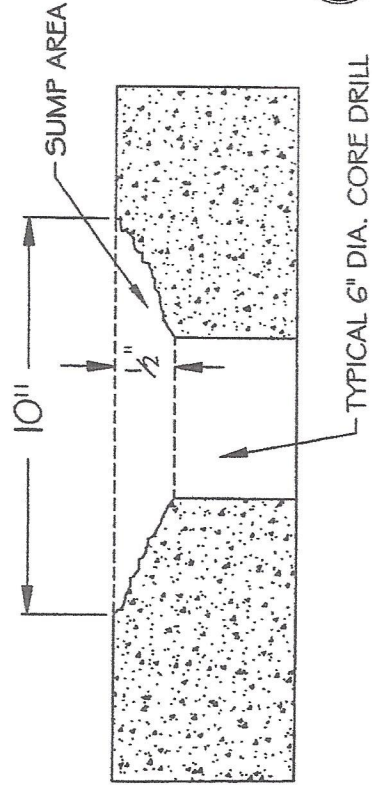


TYPICAL FLOOR FLOAT

TO MAKE A 3/4" THRESHOLD FLUSH WITH FINISH FLOOR

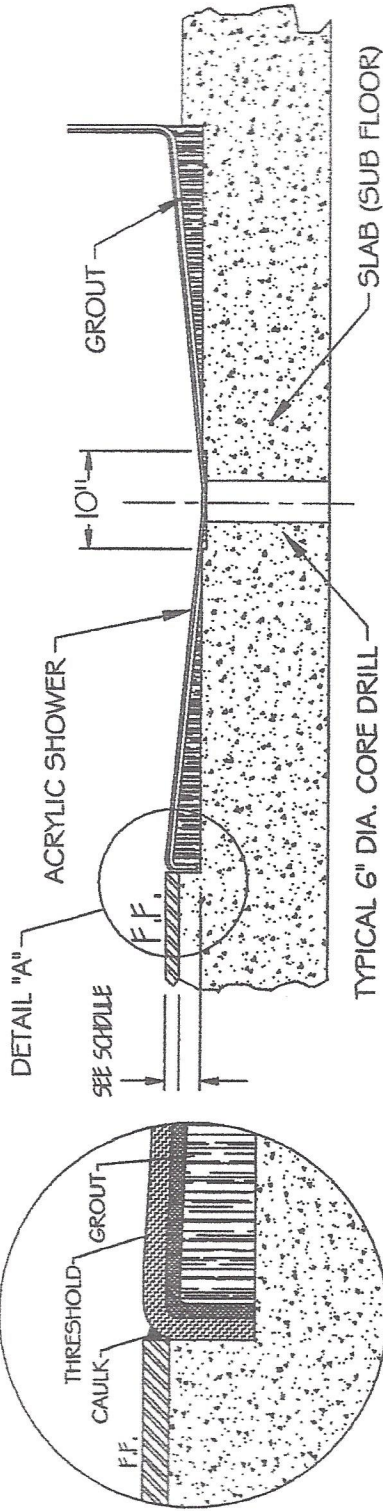
DETAIL "A"

TO MAKE A 3/4" THRESHOLD FLUSH WITH FINISH FLOOR MATERIAL	
THICKNESS OF F.F. MATERIAL	SUGGESTED FLOOR FLOAT
Up To 1/8"	3/4"
1/4"	1/2"
1/2"	1/4"



CHIP OUT FOR DRAIN

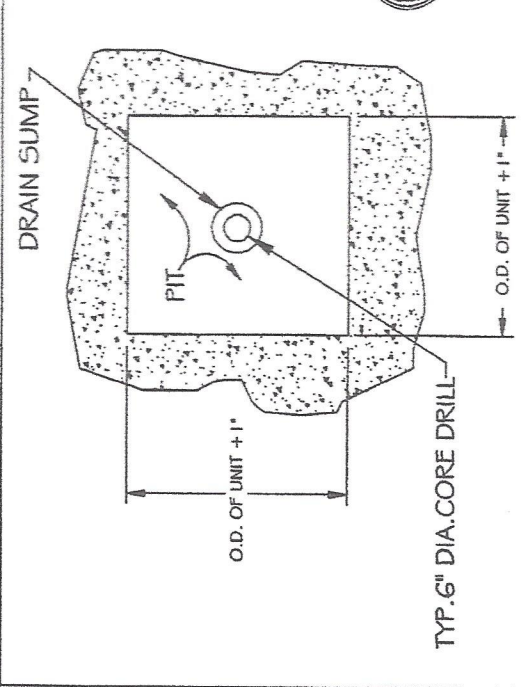
NOTE: ARCHITECT/ENGINEER IS RESPONSIBLE FOR DETERMINING PROPER DEPTH OF FLOAT MATERIAL BASED ON FINISH FLOOR MATERIAL



TYPICAL PIT INSTALLATION

TO MAKE A 3/4" THRESHOLD FLUSH WITH FINISH FLOOR
 Note: C4136BF-FUS (Transfer Showers) Allows A 1/2" Variance Between Finish Floor & Top Of Threshold.

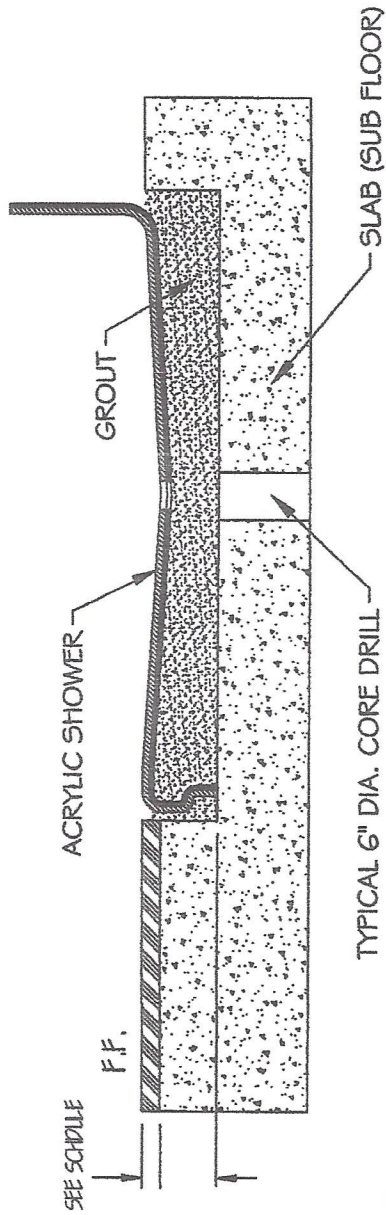
DETAIL "A"



PIT DIMENSIONS

TO MAKE A 3/4" THRESHOLD FLUSH WITH FINISH FLOOR MATERIAL	
THICKNESS OF F.F. MATERIAL	SUGGESTED PIT DEPTH
Up To 1/8"	3/4"
1/4"	1/2"
1/2"	1/4"

NOTE: ARCHITECT/ENGINEER IS RESPONSIBLE FOR DETERMINING PROPER PIT DEPTH BASED ON FINISH FLOOR MATERIAL



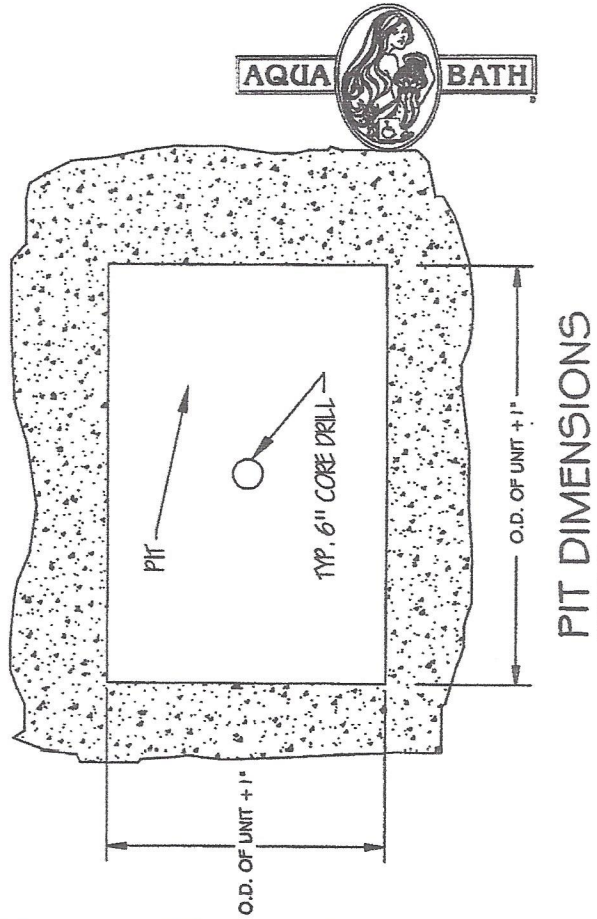
TYPICAL PIT INSTALLATION

TO MAKE A 2" THRESHOLD FLUSH WITH FINISH FLOOR

Note:

C6536BF & C6536BF-FUS (Roll-In Showers) Must Be Flush With Finish Floor To Meet ADAAG Compliance.
 C4136BF-FUS (Transfer Showers) Allows A 1/2" Variance Between Finish Floor & Top Of Threshold.

TO MAKE A 2" THRESHOLD FLUSH WITH FINISH FLOOR MATERIAL	
THICKNESS OF F.F. MATERIAL	SUGGESTED PIT DEPTH
Up To 1/8"	2"
1/4"	1 3/4"
1/2"	1 1/2"



PIT DIMENSIONS

NOTE: ARCHITECT/ENGINEER IS RESPONSIBLE FOR DETERMINING PROPER PIT DEPTH BASED ON FINISH FLOOR MATERIAL





Shower Enclosure Details (Wood Studs)

Figure 1

MODEL #	A	B	C	D
C4136BF-OT	37 1/4"	39"	18"	19 1/2"
C6536BF-OT	37 1/4"	63"	18"	31 1/2"
C6530BF-OT	31 1/4"	63"	18"	31 1/2"
IS4136BF-OT	37 1/4"	39"	18"	19 1/2"
IS4136SH-OT	37 1/4"	39"	18"	19 1/2"
IS4836BF-OT	37 1/4"	46 1/4"	18"	23"
IS4836SH-OT	37 1/4"	46 1/4"	18"	23"

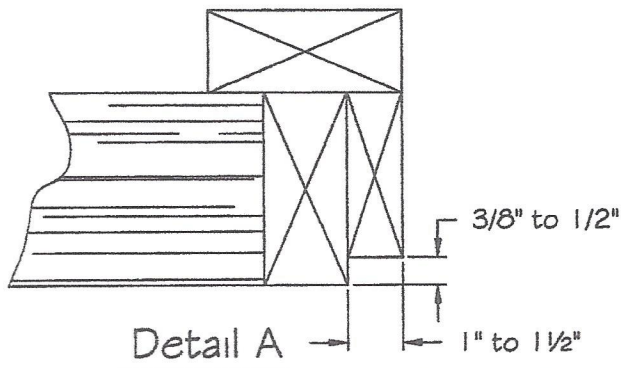
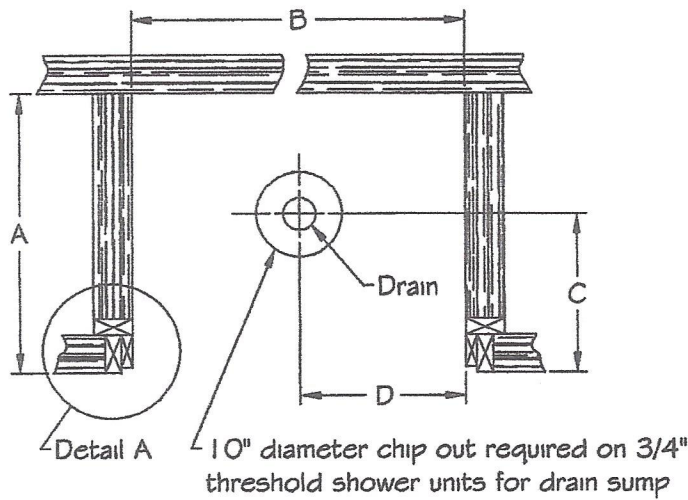
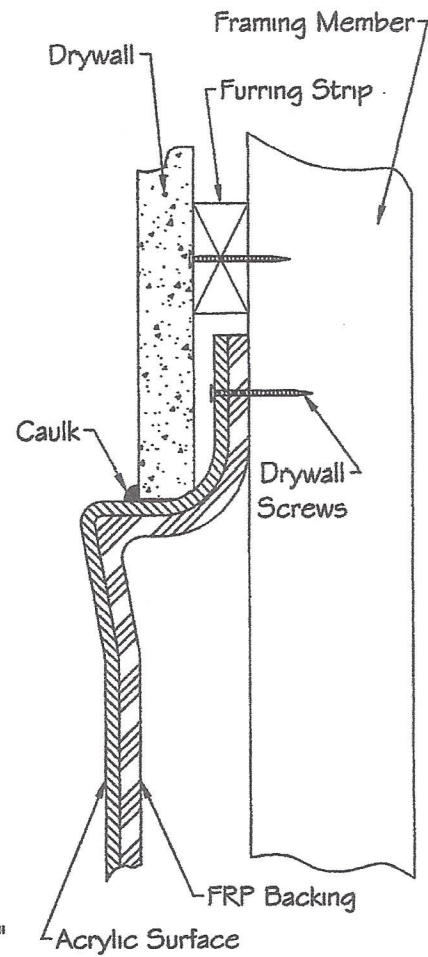


Figure 2





Shower Enclosure Details (Metal Studs)

Figure 1

MODEL #	A	B	C	D
C4136BF-OT	37¼"	39"	18"	19½"
C6536BF-OT	37¼"	63"	18"	31½"
C6530BF-OT	31¼"	63"	18"	31½"
IS4136BF-OT	37¼"	39"	18"	19½"
IS4136SH-OT	37¼"	39"	18"	19½"
IS4836BF-OT	37¼"	46¼"	18"	23"
IS4836SH-OT	37¼"	46¼"	18"	23"

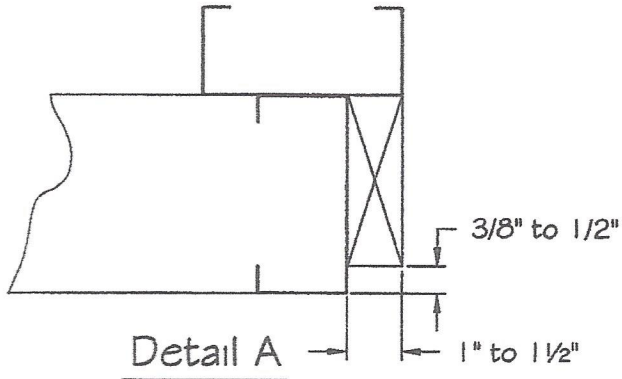
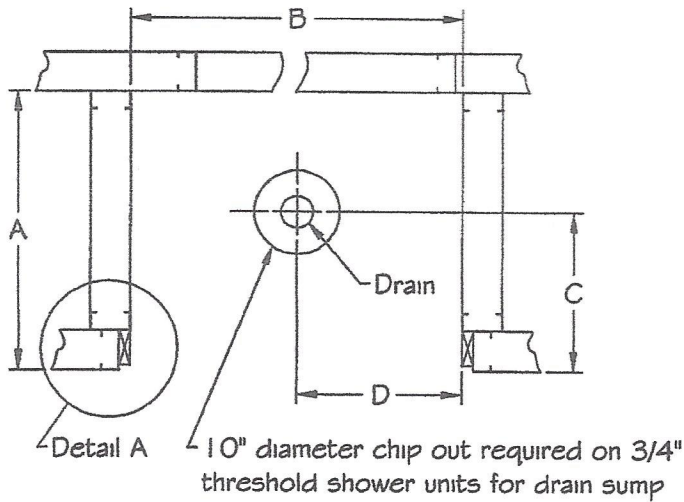
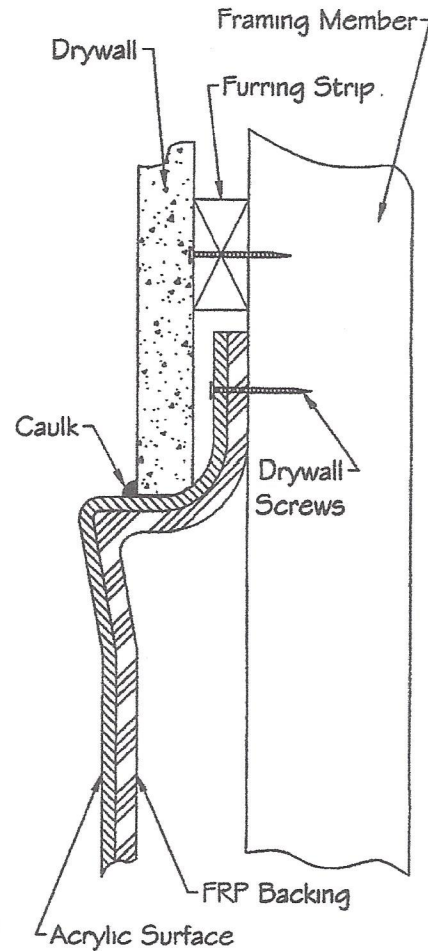


Figure 2





Tub/Shower Enclosure Details (Wood Studs)

Figure 1

MODEL #	A	B	C	D
CG032TS-OT	32¾"	58"	15¼"	9¾"
AB6032TS-OT	32¾"	58"	15¼"	9¾"

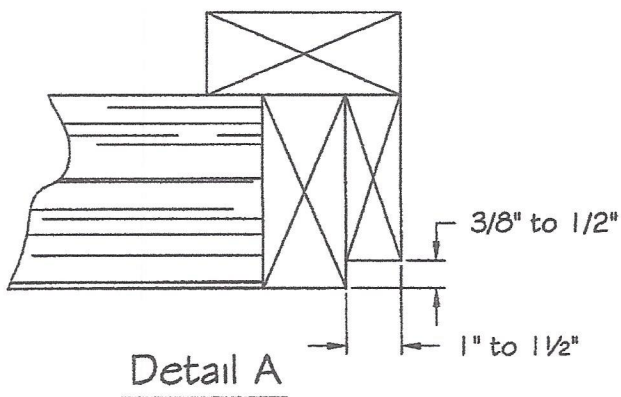
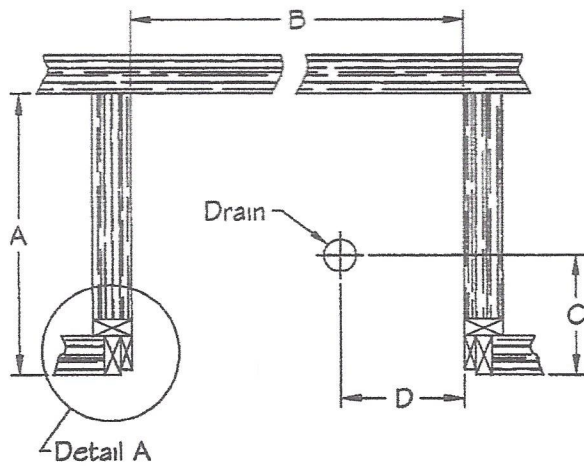
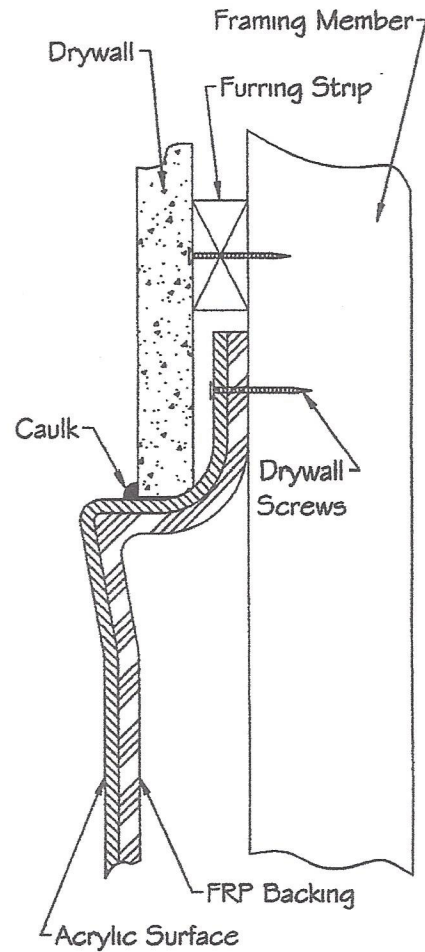


Figure 2





Tub/Shower Enclosure Details (Metal Studs)

Figure 1

MODEL #	A	B	C	D
C6032TS-OT	32 ³ / ₄ "	58"	15 ¹ / ₄ "	9 ³ / ₄ "
AB6032TS-OT	32 ³ / ₄ "	58"	15 ¹ / ₄ "	9 ³ / ₄ "

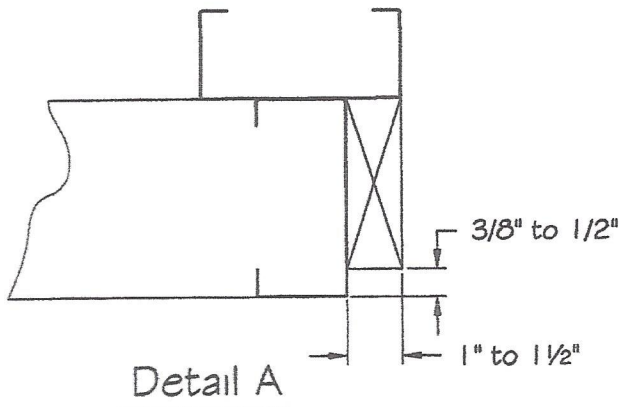
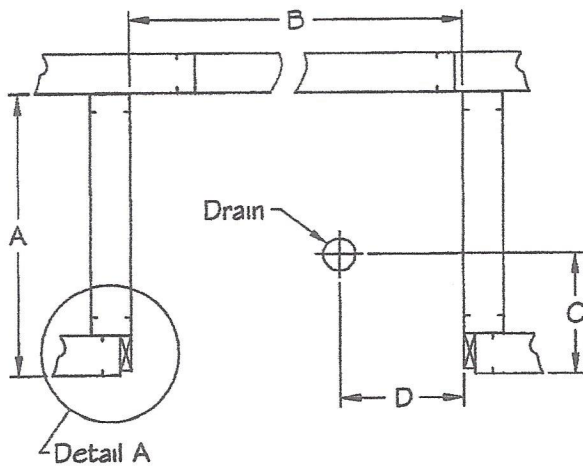
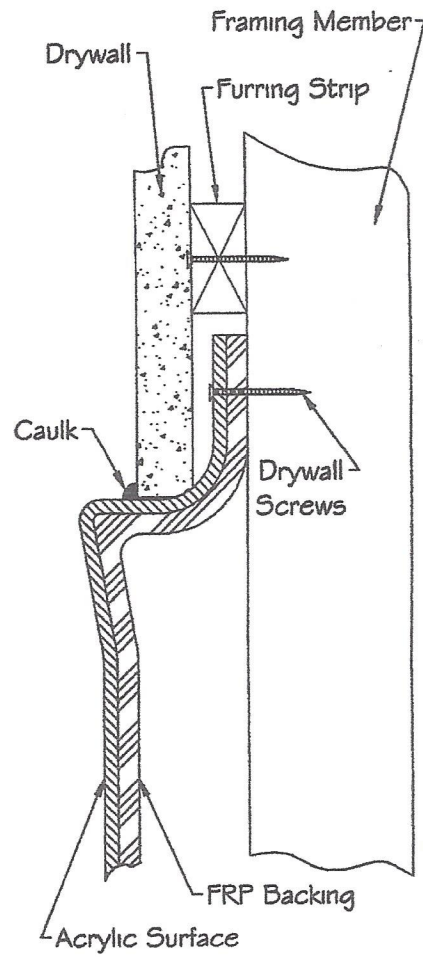


Figure 2

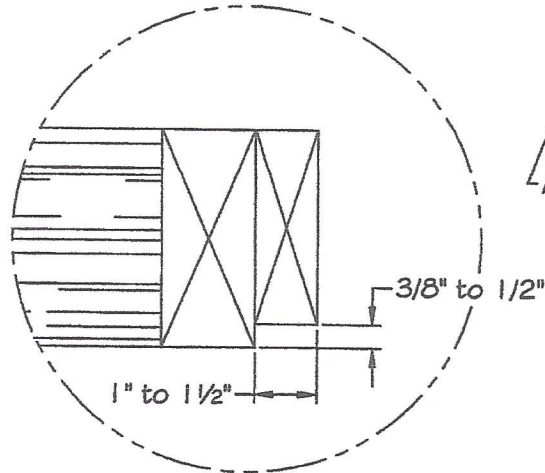
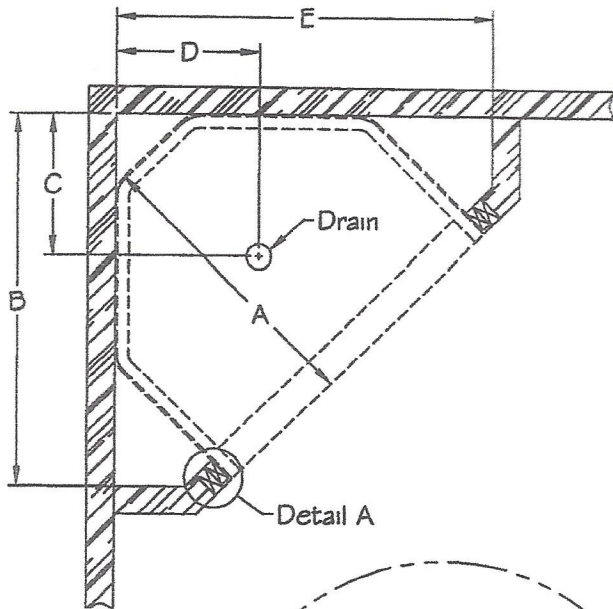




Corner Shower Enclosure Details (Wood Studs)

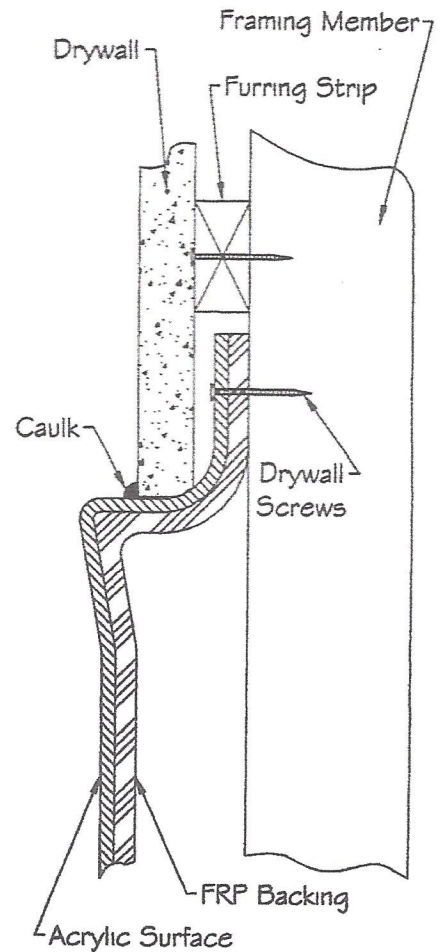
Figure 1

MODEL #	A	B + E	C + D
IS4836SH-CRNR-OT	37 1/4"	48" ±	18" ±



Detail A

Figure 2

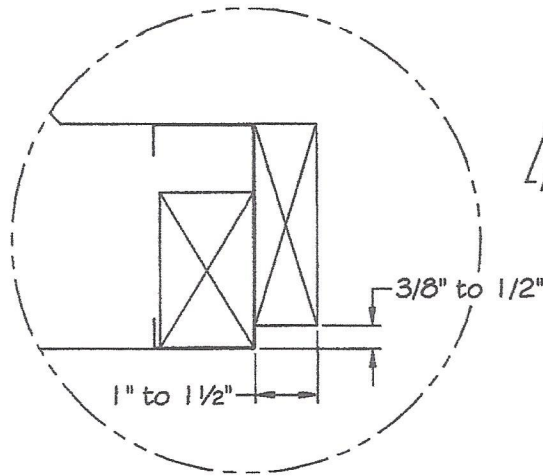
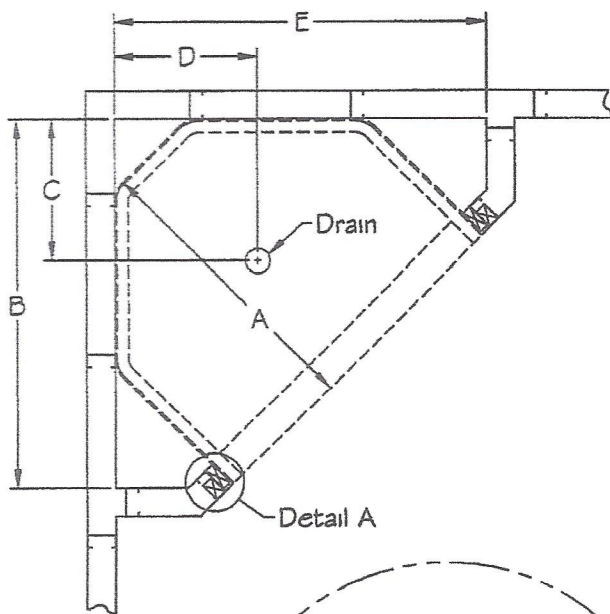




Corner Shower Enclosure Details (Metal Studs)

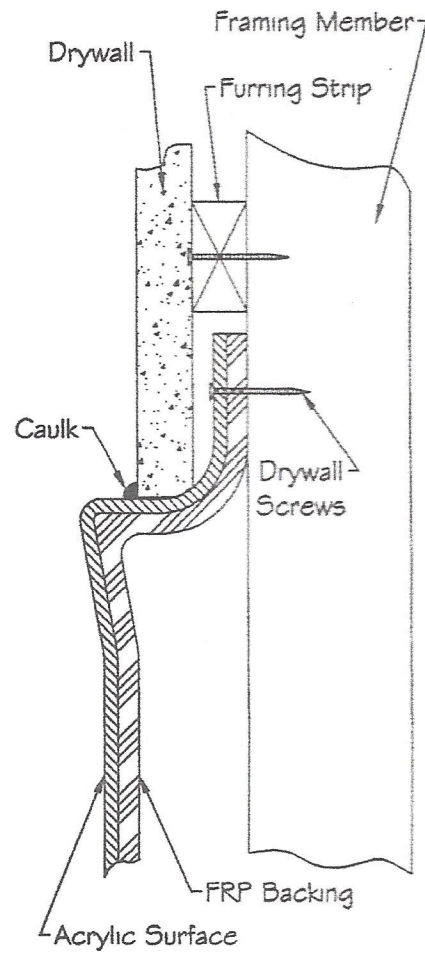
Figure 1

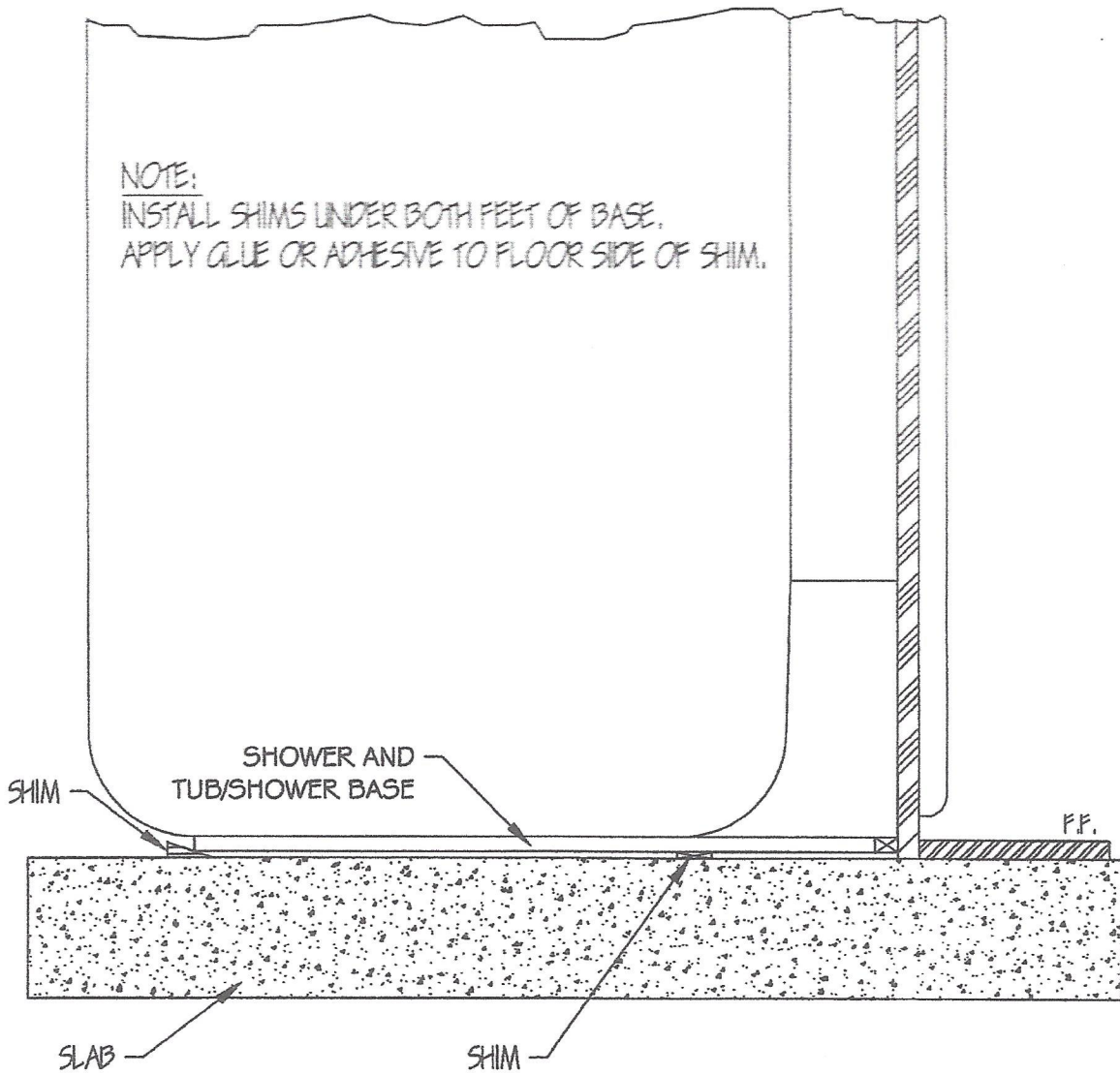
MODEL #	A	B + E	C + D
IS4836SH-CRNR-OT	37 1/4"	48"±	18"±



Detail A

Figure 2





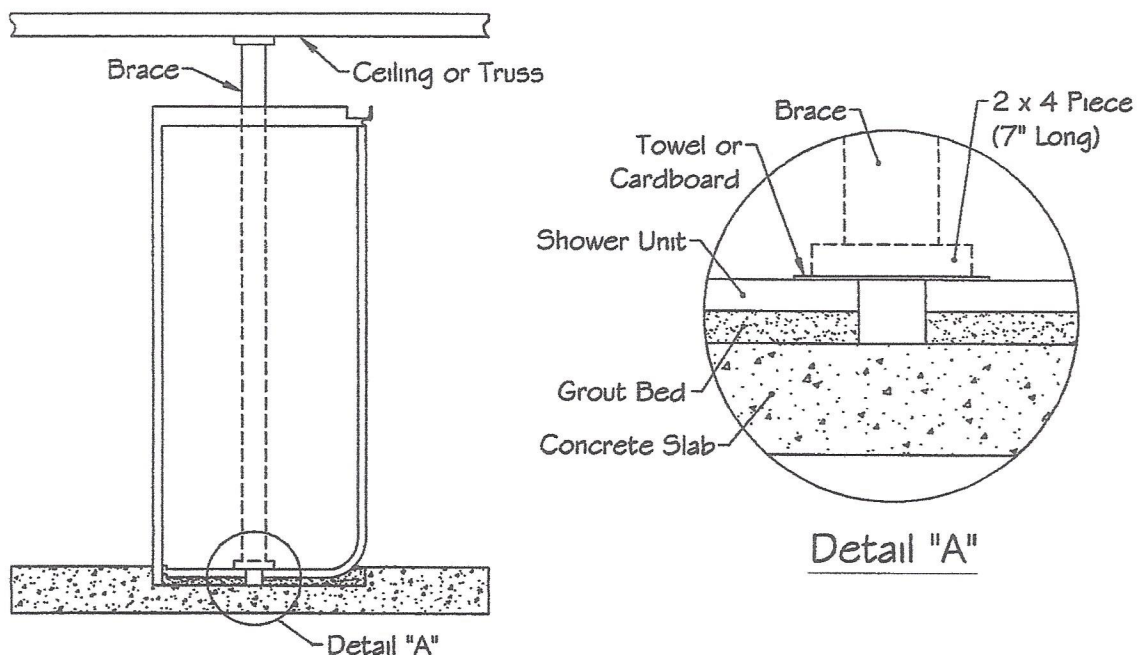
Shim Detail For Open Top Showers & Open Top Tub/ Showers



INSTALLATION OF A BARRIER FREE OPEN TOP SHOWER UNIT

**BE SURE TO USE A NON-SHRINK GROUT
(MIX GROUT EXTRA WET)**

- Step#1 Place Unit Into Alcove And Onto Grout Bed.
- Step#2 Check Unit For Level & Plumb While Continually Working Unit Into Grout Bed.
- Step#3 Place A Piece Of 2x4 (7" Long) On The Bottom Of The Unit. Be Sure To Place A Towel Or Cardboard Between Unit And Wood So As Not To Scratch Acrylic.
- Step#4 Place A Brace Between The 7" Long Piece Of 2x4 And A Ceiling Member. This Will Assure Positive Contact With The Floor While Also Placing The Drain Sump In Its Proper Position.
- Step#5 Inspect Unit For High Spots In Bottom (Adjust Brace If Needed).
- Step#6 Secure The Face Of The Unit To Framing Members. Wait Until Grout Has Cured Before Anchoring The Back And Top Side Wall Nailing Flanges.
- Step#7 Leave Brace In Place Overnight To Allow Grout To Cure.
- Step#8 Remove Brace.



Acrylic Transfer Shower Base/Pan Installation Guidelines

Installation Requirements

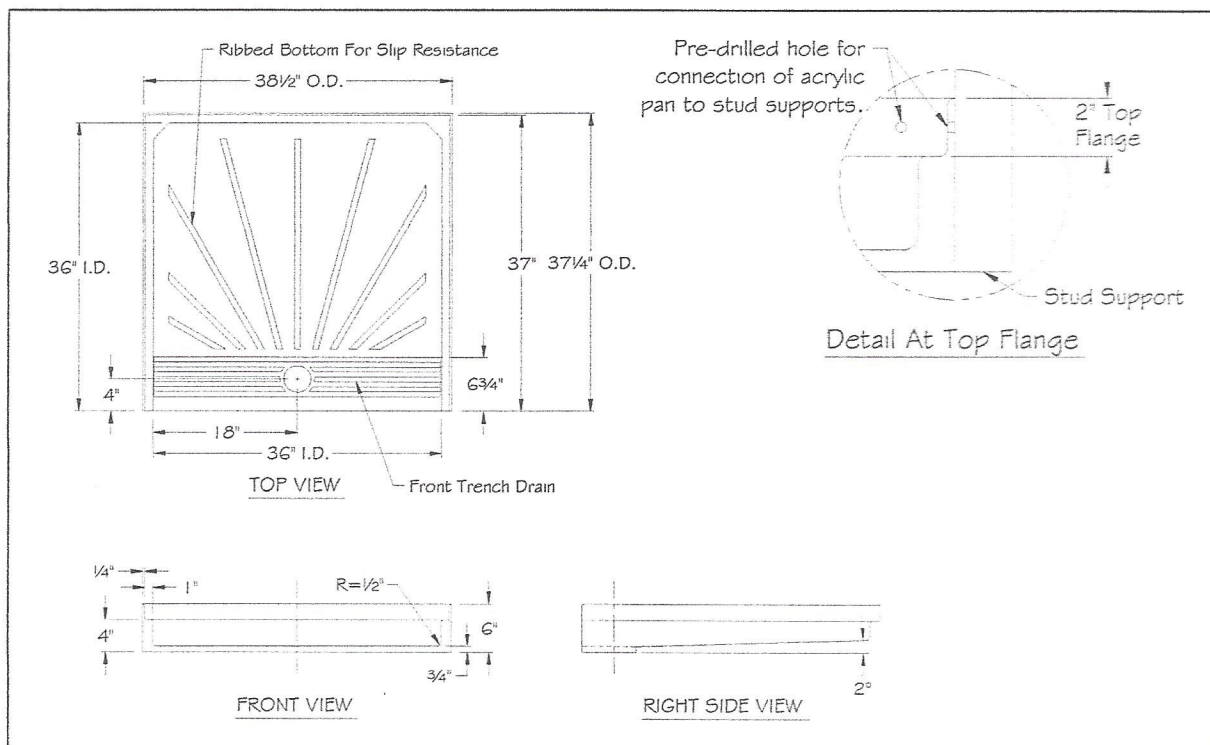
- Check to make sure that rough in dimensions of framing studs matches the outside dimensions (OD) of the acrylic pan, reference "top view" in illustration box below) See **Figures #1 and #2 on Page 2**
- Pre-Drill holes in acrylic pan top flanges (matching location of stud supports) for connection of acrylic pan to stud supports. The diameter of holes drilled should be the proper size for diameter of fasteners to be used (reference "detail at top flange" in illustration box below) See **Figure #3 on Page 2**
- Check to make sure that area where pan is to be installed is level, free of debris, and that the area where the drain is placed has been chipped out (1/2" deep x 10" diameter). See **Figure #4 on Page 2**

Steps For The Installation Process

- Dry fit acrylic pan into its installation position to ensure proper dimensional fit, that chipped out area at drain location is in correct location and that acrylic pan sits level. See **Figure #5 on Page 2**
- After dry fit is complete, you may grout acrylic pan into place. **Be sure to use a Non-Shrink Grout and mix it extra wet.** After grout is place, make sure pan is level left to right and front to back along top flanges (do not level at floor of unit as it is angled to direct water to the drain). All acrylic pans have a 2-degree angle built into them to help direct water to the drain (reference "side view" in illustration box below). See **Figure #6 on Page 2**
- Place a 100lb weight at drain location and additional weights on floor of acrylic pan to help pan adhere to grout.
- Attach acrylic pan to stud supports through pre-drilled holes with fasteners.
- Apply a bead of construction adhesive (1/8") at front flange of acrylic pan to attach front of unit to floor.

Additional Steps Needed for Trench Drain System (TD) Units

- Secure shims under back wall of unit to ensure unit maintains a 2-degree slope to front of unit where drain is located back to front
- After unit has been dry fit into place using the above described instructions, pour in grout mixture. Place a 100lb weight at drain location and additional weights on floor of acrylic pan to help pan adhere to grout. Installing contractor to pay special attention when adding additional weight to the unit as to not create a 'well' with the additional weight. This condition is considered improper installation and will NOT be covered under warranty.



Acrylic Transfer Shower Base/Pan Installation Guidelines



Figure #1



Figure #2

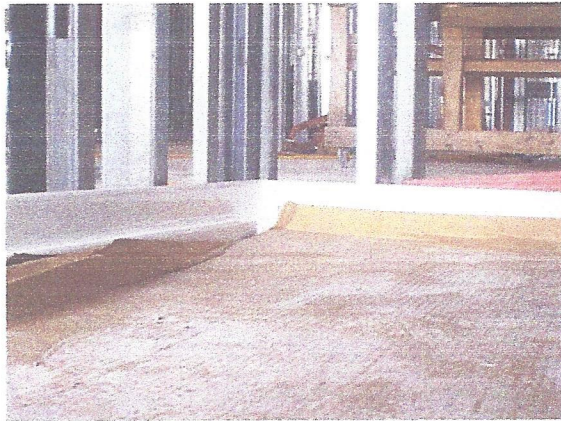


Figure #3



Figure #4



Figure #5



Figure #6



1. Product Name

QUIKRETE® Non-Shrink Precision Grout #1585-00

2. Manufacturer

The QUIKRETE Companies
 One Securities Centre
 3490 Piedmont Rd., NE, Suite 1300
 Atlanta, GA 30305
 (404) 634-9100
 Fax: (404) 842-1424
 www.quikrete.com

3. Product Description

BASIC USE

Typical applications for QUIKRETE Non-Shrink Precision Grout include grouting of:

- All types of machinery
- Steel columns
- Bearing plates
- Precast concrete
- Other anchoring conditions that require high in-service strength

The nonshrink characteristics of Non-Shrink Precision Grout make it stable and capable of handling high load transfers.

COMPOSITION & MATERIALS

QUIKRETE Non-Shrink Precision Grout is a non-metallic Portland cement based material. Non-Shrink Precision Grout is a preblended product including expansive additives, requiring only the addition of water to obtain flowable properties and high strengths.

SIZES

- 50 lb (22.7 kg) bags

COLORS

- Gray

YIELD

A 50 lb (22.7 kg) bag of QUIKRETE Non-Shrink Precision Grout will yield 0.45 cu ft (12.7 L) at flowable consistency.

LIMITATIONS

The proper cleaning and wetting of surfaces to be grouted is vital to maximum performance. Hot and cold temperature precautions, as they apply to concrete, should also be followed.

4. Technical Data

APPLICABLE STANDARDS

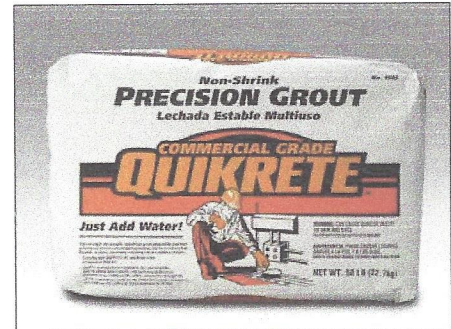
ASTM International

- ASTM C109/C109M Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or (50-mm) Cube Specimens)
- ASTM C939 Standard Test Method for Flow of Grout for Preplaced-Aggregate Concrete (Flow Cone Method)
- ASTM C1090 Standard Test Method for Measuring Changes in Height of Cylindrical Specimens from Hydraulic-Cement Grout
- ASTM C1107 Standard Specification for Packaged Dry, Hydraulic-Cement Grout (Nonshrink)
- ASTM E488 Standard Test Methods for Strength of Anchors in Concrete and Masonry Elements

TABLE 1 TYPICAL PHYSICAL PROPERTIES AT 73°F (23°C)

Compressive strength, ASTM C109 modified per ASTM C1107	
Plastic consistency	
1 day	3000 psi (20.7 MPa)
3 days	9500 psi (65.5 MPa)
7 days	10,000 psi (68.9 MPa)
28 days	14,000 psi (96.5 MPa)
Height change, ASTM C1090	
1, 3, 7 and 28 days	0 - 0.2%
Flowable consistency	
1 day	3000 psi (20.7 MPa)
3 days	9000 psi (62.1 MPa)
7 days	9500 psi (65.5 MPa)
28 days	12,500 psi (86.2 MPa)
Height change, ASTM C1090	
1, 3, 7 and 28 days	0 - 0.2%
Fluid consistency	
1 day	2500 psi (17.2 MPa)
3 days	5000 psi (34.5 MPa)
7 days	6000 psi (41.4 MPa)
28 days	8000 psi (55.2 MPa)
Height change, ASTM C1090	
1, 3, 7 and 28 days	0 - 0.2%
Pull-out strength, ASTM E488 ¹	35,000 psi (241 MPa)

¹ 1 1/4" (31 mm) bolts embedded 9" (225 mm) deep in 3" (75 mm) hole in 2000 psi (13.8 MPa) concrete.



QUIKRETE® Non-Shrink Precision Grout #1585-00

U.S. Army Corps of Engineers (USACE) - CRD 621

PHYSICAL/CHEMICAL PROPERTIES

QUIKRETE Non-Shrink Precision Grout complies with all properties of ASTM C1107 and CRD 621 producing the results shown in Table 1.

5. Installation

MIXING

QUIKRETE Non-Shrink Precision Grout should be mechanically mixed for a minimum of 5 minutes.

PRECAUTIONS

Add the minimum amount of water necessary to produce the desired flow characteristics as indicated in Table 2. Do not exceed a flow of 20 seconds per ASTM C939.

METHODS

Surfaces to receive the grout must be clean and free of any type of foreign matter, grease, paint, oil, dust or efflorescence. In some cases it may be necessary to roughen smooth surfaces or etch old ones with acid. The area should be flushed and soaked with clean water prior to grouting leaving no standing water. Place the

TABLE 2 APPROXIMATE WATER REQUIRED FOR 50 LB (22.7 KG) OF GROUT

Plastic	1 gal (3.8 L)
Flowable	1 gal + 1 pt (4.3 L)
Fluid	1 gal + 3 pt (5.2 L)

TABLE 3 WORKING TIME

Temperature	Working time
50°F (10°C)	25 min
73°F (23°C)	25 min
90°F (32°C)	15 min



grout quickly and continuously using light rodding to eliminate air bubbles.

WORKING TIME

When properly mixed to a fluid consistency QUIKRETE Non-Shrink Precision Grout will comply with all portions of ASTM C1107 and CRD 621 and retain a fluid consistency for the maximum usable working times stated in Table 3.

TEMPERATURE

Grout temperature should be maintained from 50 - 90 degrees F (10 - 32 degrees C) to achieve specified results. Use cold water in hot weather or hot water in cold weather to achieve desired grout temperature. Do not pour grout if temperature is expected to go below 32 degrees F (0 degrees C) within a 12 hour period.

CURING

A damp cure of at least 3 days is necessary to control the nonshrink characteristics and maintain strength levels.

6. Availability

QUIKRETE Non-Shrink Precision Grout is available at leading concrete construction supply houses and distributors. Contact QUIKRETE Construction Products for the name of the nearest dealer.

7. Warranty

The QUIKRETE Companies warrant this product to be of merchantable quality when used or applied in accordance with the instructions herein. The product is not warranted as suitable for any purpose or use other than the general purpose for which it is intended. Liability under this warranty is limited to the replacement of its product (as purchased) found to be defective, or at the shipping companies' option, to refund the purchase price. In the event of a claim under this warranty, notice must be given to The QUIKRETE Companies in writing. This limited warranty is issued and accepted in lieu of all other express warranties and expressly excludes liability for consequential damages.

8. Maintenance

None required.

9. Technical Services

The QUIKRETE Companies maintain technical field representatives throughout the country. Contact a local distributor for the name and number of the nearest representative, or call QUIKRETE Construction Products.

10. Filing Systems

- First Source™
- Additional product information is available from the manufacturer.