

## **Tile Over Shower Pan Installation Instructions and Linear Drain info**

To help guide you through the shower pan installation process, we have provided the following Installation Guide, which is intended to provide an easy to follow step by step process for the installation of your Tile Redi® shower pan, whether you are a professional or a first time novice. In connection with your shower base and shower project, please comply with the recommendations and standards established for such projects from time to time by the Tile Council of North America, Inc.

### **INSTALLATION INSTRUCTION FOR SHOWER PAN WITH PVC OR ABS DRAIN**

1. Frame out shower stall area to shower pan dimensions.
2. Sweep out any debris from sub floor.
3. Test fit shower pan drain housing into subfloor bore hole.
4. Make sure the shower pan is aligned properly and fits snugly against the shower frame studs on all sides.
5. This step depends on whether there is access to the drain connection from below the subfloor
  - a. **If there is access from the subfloor below**, then cut a section of drain pipe (PVC or ABS, as applicable to the type of drain) which is long enough to extend below the subfloor and easily make a connection to the waste water pipe.
  - b. **If there is no access from the subfloor below**, then make sure the drain pipe stubbed up from the subfloor is adjusted to a height sufficient to fit properly into the shower pan drain connection.
6. Turn the shower pan over and note that there are ribs under the shower pan floor. Please measure the depth of the ribs under the shower pan floor from the rib bottoms that rest on the substrate to the underside of the pan floor at the deepest point in between the ribs. Once you have that value, calculate the thickness (depth) of your mortar base (Type N or S Mortar) using the formulas listed below based on the type of shower pan you purchased:
  - a. Redi Trench® / WonderFall Trench™ / Redi Free® Trench Pans:  
Subtract **1/2"** from deepest rib measured in Step 6
  - b. Redi Base® & Redi Free® (Non Trench) / Wonder Drain® Pans: **(Left or Right Drain ONLY)** Subtract **1/4"** from deepest rib measured in Step 6
  - c. Redi Base® & Redi Free® (Non Trench) / Wonder Drain® Pans: **(Center Drain ONLY)**  
Subtract **1/8"** from deepest rib measured in step 6, PROVIDED the mortar base should always be at least 1/2".

**Please note, do not place the mortar directly on a wood substrate. First, waterproof the wood substrate with a waterproofing membrane or NO. 15 or No. 30 roofing paper so the wood does not absorb the water from the mortar.**

**Spread your mortar base EVENLY ACROSS THE SUBFLOOR AT THE THICKNESS CALCULATED FROM STEP 6a, 6b, or 6c, and offset 1" from each outside edge of the pan. NOTE: The mortar base should have a consistency close to peanut butter for best results.**

7.
  - a. **If there is access from the subfloor below** and you followed step 5.a. above, then brush PVC or ABS adhesive on the outside of the cut drain pipe and quickly insert into drain connection, and then be sure the drain pipe extends far enough below the subfloor so it can be conveniently connected to the waste water pipe following the installation.
  - b. **If there is no access from the subfloor below** and you followed step 5.b. above then brush PVC or ABS adhesive on the drain pipe stubbed up from the subfloor, then quickly insert the stubbed up drain pipe properly into the shower pan drain.
8. Place the pan in the mud base and firmly but gently shimmy the pan into the mud so that (i) the drain is fully supported by mud at the bore hole in the substrate, and (ii) the ribs are completely filled with the mud by alternately applying hand pressure to the right and left side of the pan floor until the pan ribs contact the subfloor. Level all pan sides and the let the mortar dry overnight.  
Important: **DO NOT STEP INTO THE SHOWER PAN ONCE THE SHOWER PAN HAS BEEN SET AND LEVELED UNTIL THE MORTAR HAS CURED COMPLETELY**
9. Install the shower backer board and water proofing in accordance with the standards established by the Tile Council of North America, Inc.
10. Seal and waterproof joint between backer board and the shower pan splash walls with using 100% silicone and/or the optional Redi Flash® system.
11. Adjust the height of the drain as necessary to accommodate the ceramic tile or marble
12. Set your tile using a white modified thin-set and a notched trowel as specified by your thin-set manufacturer based on your tile size. Tile Redi recommends the modified thin-set products found in Appendix A.
13. Tile the rest of the shower.

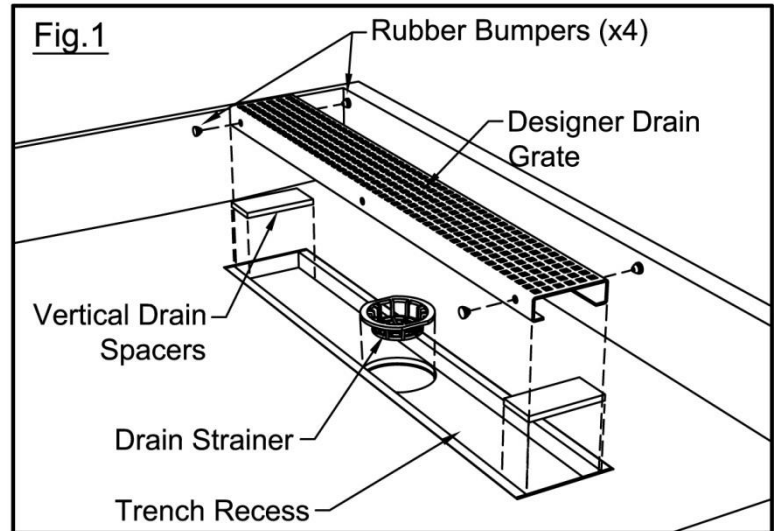
## APPENDIX A

Tile Redi approved modified thin-sets		
MAPEI Ultraflex LHT White	MAPEI Large Format Floor and Wall White	CBP Prolite White
MAPEI Ultraflex 1 White	MAPEI Porcelain Tile White	CBP Flexbond White
MAPEI Large Tile and Stone White	MAPEI Ultraflex LFT White	

## Installation and Tiling Guide for Redi Trench Linear Drains

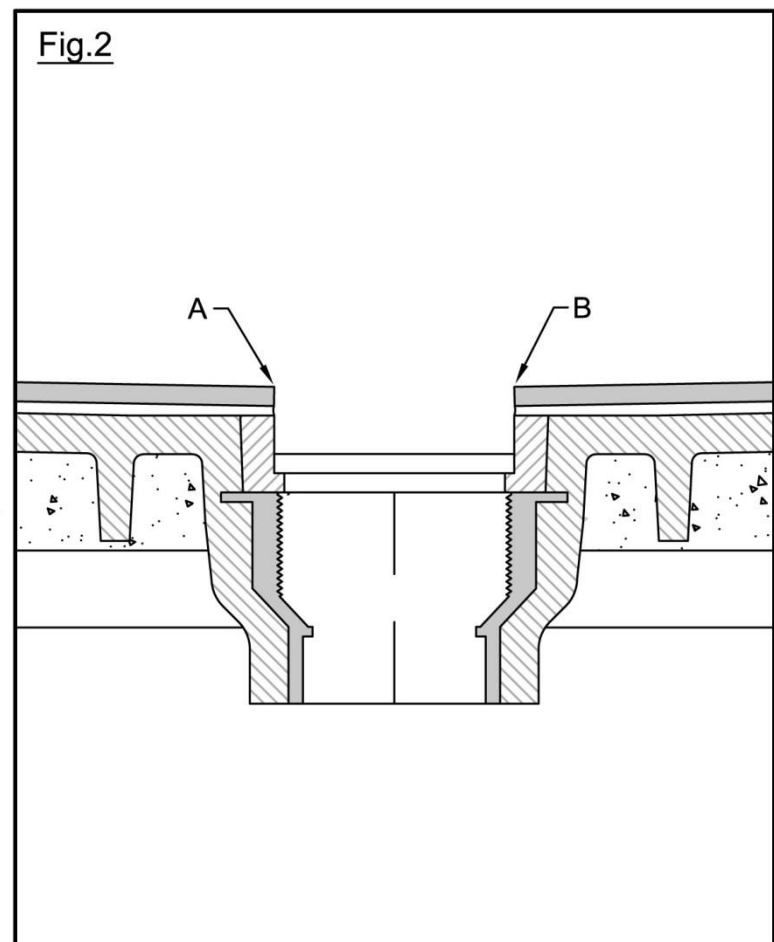
### I. COMPONENTS: (See Fig. 1)

1. Designer Drain Grate (x 1)
2. Rubber Bumpers (x 4)
3. Drain Strainer (x 1)
4. Trench Recess
5. Vertical Drain Spacers: 2mm (x 2), 4mm (x 2), 6mm (x 2)



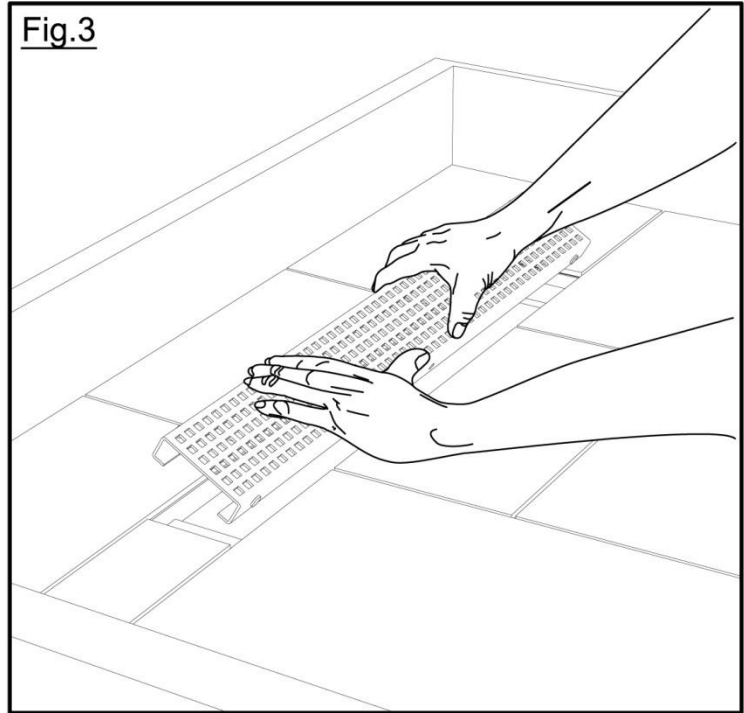
### II. HOW TO TILE THE SHOWER PAN FLOOR EDGES AROUND THE TRENCH RECESS: (See Fig. 2)

1. Insert the Designer Drain Grate into the Trench Recess.
2. Dry fit the tiles to the shower pan floor.
3. Note Tiling Tip: Before setting tile on the shower pan floor you must comply with the following: tile up to the edges of the recessed trench (A and B) so that the shower pan floor is not visible, while at the same time insuring (i) none of the shower pan floor tiles extend beyond the shower pan floor into the space above the recessed trench, (ii) proper drainage is achieved by having none of the tiles encroach into the drainage space between the tiled shower pan floor and the Designer Drain Grate, and (iii) the floor tile will not prevent the removal of the Designer Drain Grate from the Trench Recess.
4. Now, remove the Designer Drain Grate from the Trench Recess and tile the shower pan floor.



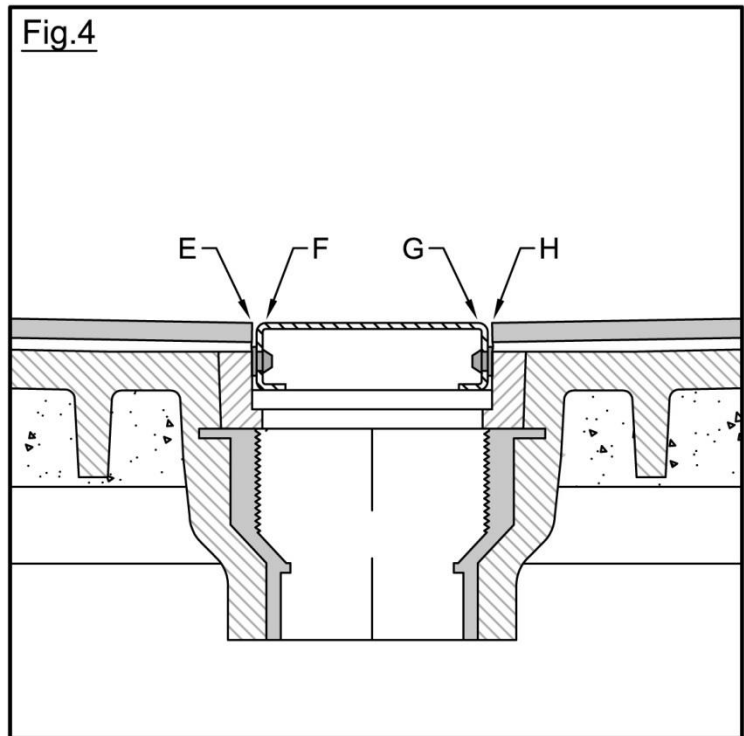
**III. HOW TO INSERT THE DESIGNER DRAIN GRATE INTO THE TILED SHOWER PAN SO THAT (A) IT IS SPACED CORRECTLY FOR DRAINAGE AND (B) IT IS AT THE SAME LEVEL AS THE ADJACENT TILE: (See Figs. 1 & 3)**

1. Select a combination of Vertical Drain Spacers (2mm, 4mm, and/or 6mm) so that the top surface of the Designer Drain Grate is at the same level as the top of the floor tiles adjacent to the trench.
2. Insert the Rubber Bumpers into the Designer Drain Grate side holes by inserting them into the holes until they are locked in place (Fig. 1).
3. Slide the Designer Drain Grate into the shower pan Trench Recess, first by compressing the side of the grate with the Rubber Bumpers against the wall of the shower pan Trench Recess (Fig. 3).
4. Finally, slide the other side of the Designer Drain Grate into the shower pan Trench Recess.



**IV. HOW TO REMOVE THE DESIGNER DRAIN GRATE FROM THE TRENCH RECESS: (See Fig. 4)**

1. Insert your fingers or an Allen wrench into the space between the Designer Drain Grate and the Trench Recess wall (i.e., either between E and F or between G and H), carefully lift out one side of the grate and grab it with both hands and then carefully remove the other side by lifting the entire grate with your hands.

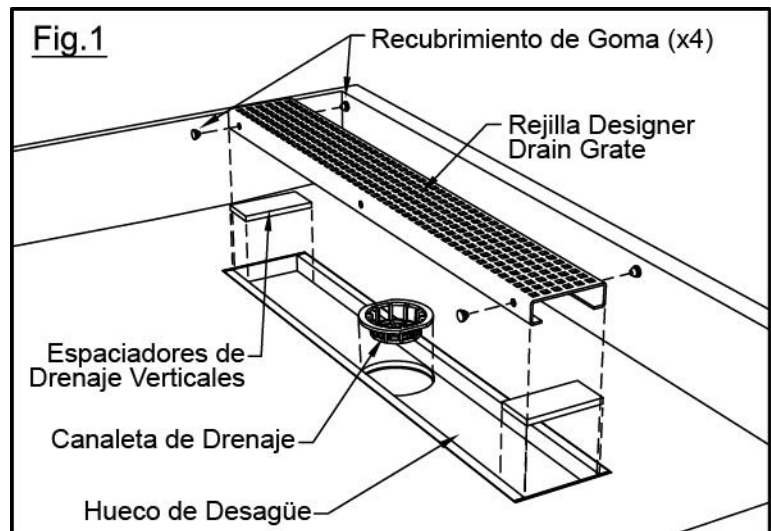


# Tile Redi® Instrucciones de Instalacion y Azulejado

## Conjunto de Rejilla Redi Trench® Designer Drain Grate

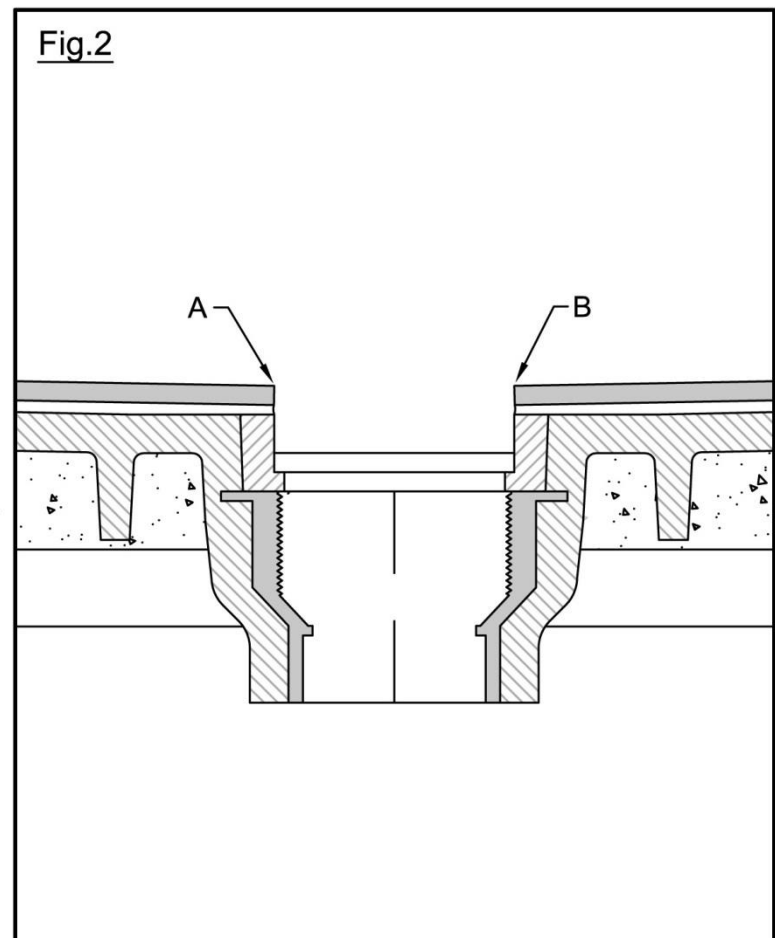
### I. COMPONENTES: (Consulte la Fig. 1)

1. Rejilla Designer Drain Grate (x 1)
2. Recubrimiento de Goma (x 4)
3. Canaleta de Drenaje (x 1)
4. Hueco del Desagüe
5. Espaciadores de Drenaje Verticales: 2mm (x 2), 4mm (x 2), 6mm (x 2)



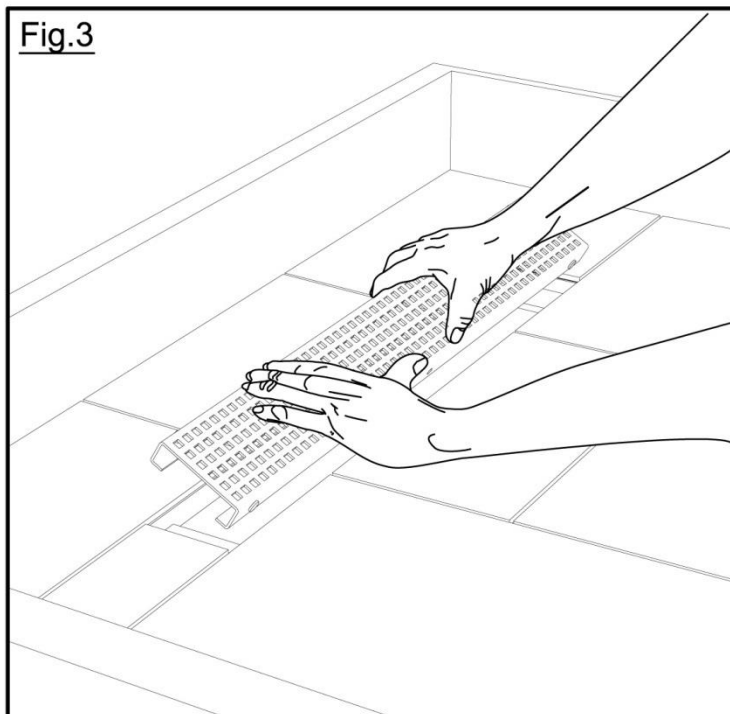
### II. CÓMO AZULEJAR LOS BORDES DEL PISO DE LA BANDEJA PARA DUCHA ALREDEDOR DEL HUECO DEL DESAGÜE (Consulte la Fig. 2)

1. Coloque la rejilla Designer Drain Grate en el Hueco del Desagüe.
2. Coloque en seco los azulejos en el piso de la bandeja para ducha.
3. Nota Sobre Cómo Colocar los Azulejos: Antes de colocar los azulejos en el piso de la bandeja para ducha deberá realizar lo siguiente: azuleje hasta los bordes del Hueco del Desagüe (A y B) de forma tal que el piso de la bandeja para ducha no quede visible, al tiempo que se asegura (i) ninguno de los azulejos para piso de la bandeja para ducha se extienda sobre el espacio del Hueco del Desagüe, (ii) que se logre un drenaje adecuado al no permitir que los azulejos ocupen el espacio del drenaje entre el piso de la bandeja azulejada y rejilla Designer Drain Grate, y (iii) que el azulejo del piso no prevenga la remoción de la rejilla Designer Drain Grate del Hueco del Desagüe.
4. Ahora, retire la rejilla Designer Drain Grate del Hueco del Desagüe y azuleje el piso de la bandeja para ducha.



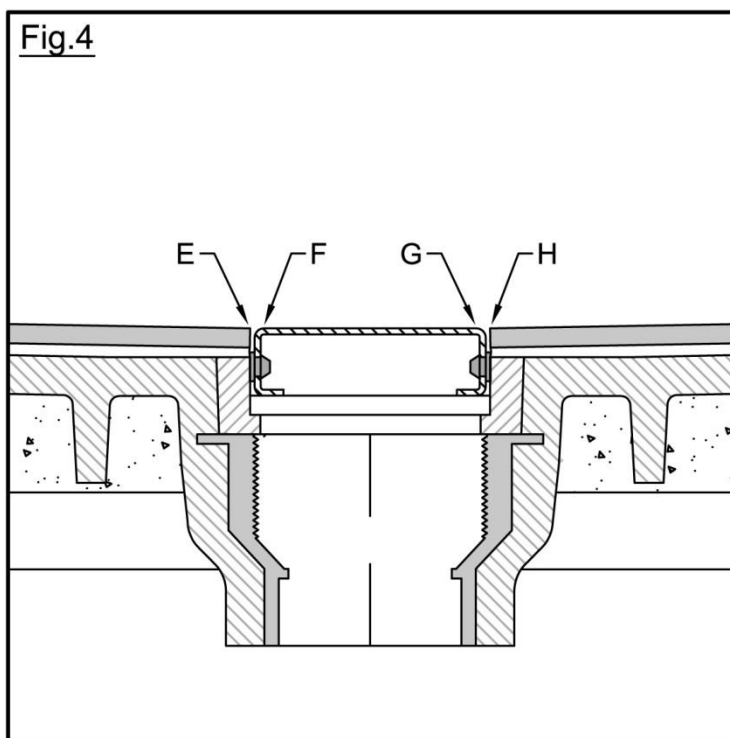
### III. CÓMO COLOCAR LA REJILLA DESIGNER DRAIN GRATE EN LA BANDEJA PARA DUCHA AZULEJADA DE FORMA TAL QUE (A) SE DEJE EL ESPACIO ADECUADO PARA EL DRENAJE Y (B) QUEDE AL MISMO NIVEL QUE LOS AZULEJOS ADYACENTES: (Consulte las Figs. 1 y 3)

1. Seleccione una combinación de Espaciadores de Drenaje Verticales (2mm, 4mm, y/o 6mm) para que la superficie superior de la rejilla Designer Drain Grate quede al mismo nivel que la parte superior de los azulejos del piso adyacentes a la rejilla.
2. Coloque el Recubrimiento de Goma dentro de los orificios laterales de la rejilla Designer Drain Grate, colocándoles en los orificios hasta que queden firmes en su lugar (Fig. 1).
3. Deslice la rejilla Designer Drain Grate dentro del Hueco del Desagüe de la bandeja para ducha, primero comprimiendo el lado de la rejilla azulejable con el Recubrimiento de Goma contra la pared del Hueco del Desagüe de la bandeja para ducha (Fig. 3).
4. Finalmente, deslice el otro lado de la rejilla Designer Drain Grate en el Hueco del Desagüe de la bandeja para ducha.



### IV. CÓMO RETIRAR LA REJILLA DEL HUECO DEL DESAGÜE: (Consulte la Fig. 4)

1. Inserte sus dedos o utilice una llave Allen en el espacio entre la rejilla Designer Drain Grate y la pared del Hueco del Desagüe (es decir, o bien entre E y F o entre G y H), y levante cuidadosamente un lado de la rejilla, tómela con ambas manos y luego remueva cuidadosamente el otro lado levantando la rejilla completa con sus manos.

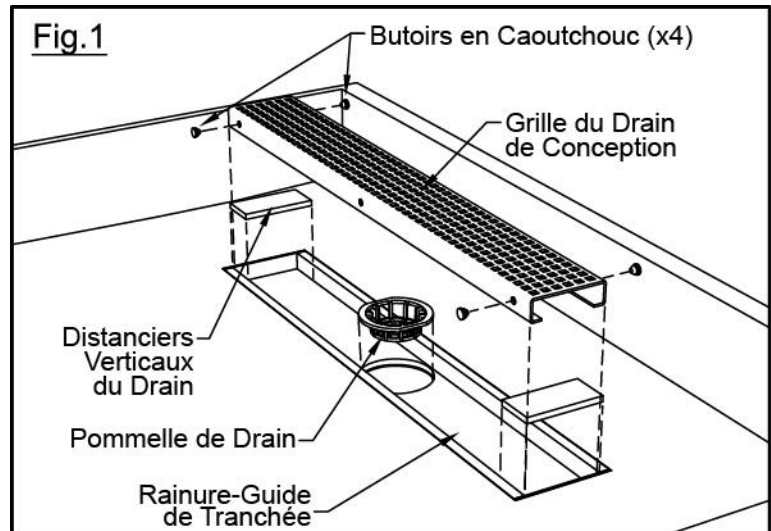


# Tile Redi® Instructions de Carrelage et d'Installation

## L'Assemblage de Grille de Conception de Redi Trench®

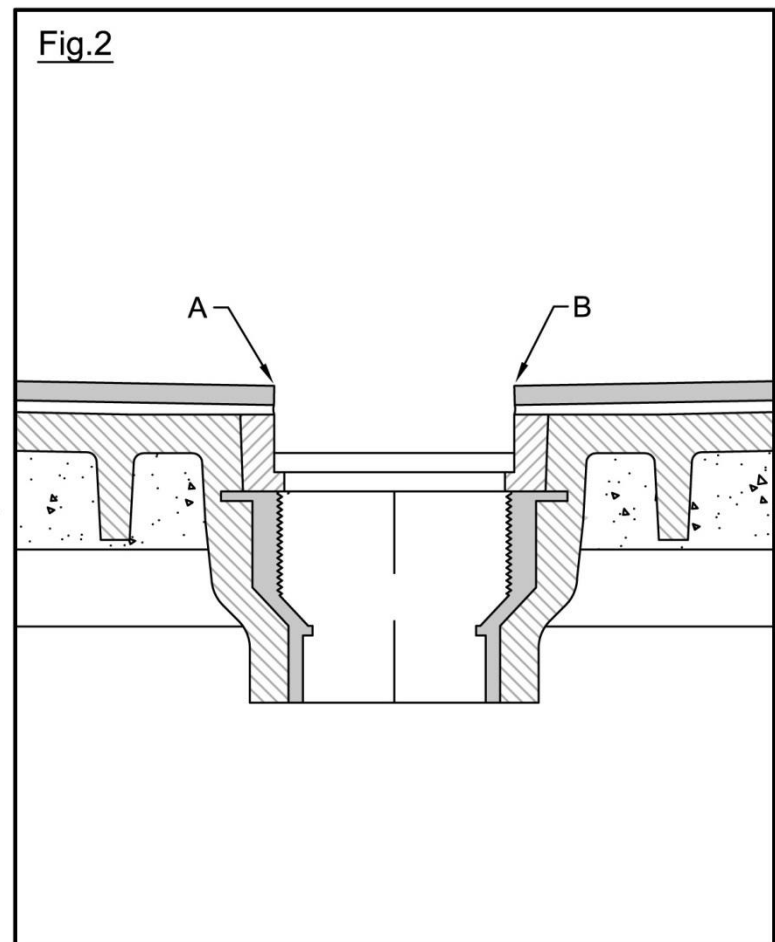
### I. COMPOSANTS: (Voir la Fig. 1)

1. Grille du Drain de Conception (x 1)
2. Butoirs en Caoutchouc (x 4)
3. Pommelle de Drain (x 1)
4. Rainure-Guide de Tranchée
5. Distanciers Verticaux du Drain: 2mm (x 2), 4mm (x 2), 6mm (x 2)



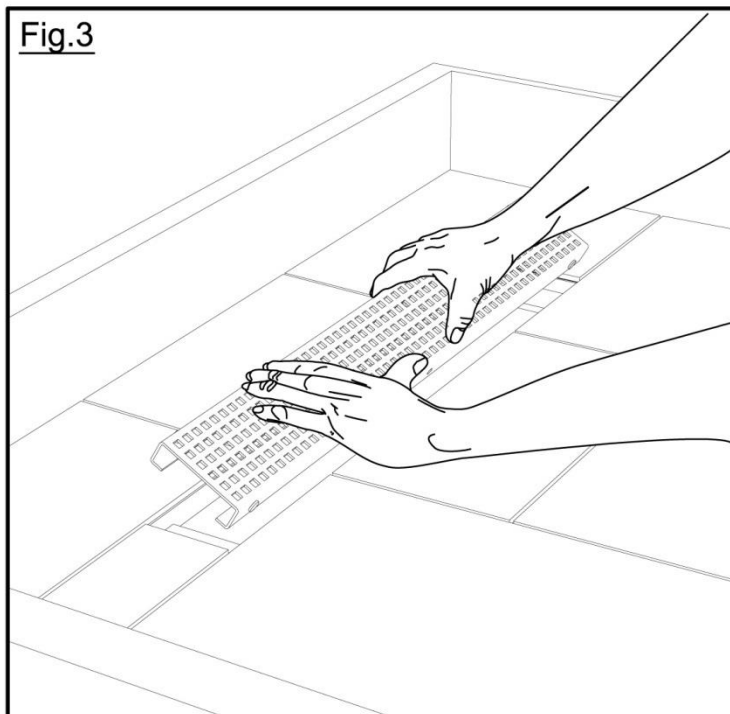
### II. COMMENT COUVRIR DE CARREAUX LES BORDS DU PLANCHER DU RECEVEUR DE DOUCHE AUTOUR DE LA RAINURE-GUIDE DE TRANCHÉE: (Voir la Fig. 2)

1. Insérez la Grille du Drain de Conception dans la Rainure-Guide de Tranchée.
2. Ajustez à sec les carreaux au plancher du receveur de douche.
3. Conseil Sur la Pose de Carreaux: Avant de couvrir de carreaux le plancher du receveur de douche, vous devez respecter ce qui suit: couvrez de carreaux jusqu'aux bords de la tranchée de la rainure-guide (A et B) afin que le plancher du receveur de douche ne soit pas visible, tout en s'assurant (i) qu'aucun des carreaux du plancher du receveur de douche ne dépasse au-delà du plancher du receveur de douche dans l'espace au-dessus de la tranchée de la rainure-guide, (ii) qu'un bon drainage soit effectué en s'assurant qu'aucun des carreaux n'empiète sur l'espace de drainage entre la Grille du Drain de Conception, et (iii) que le carrelage du plancher non empêchera le retrait de la Grille du Drain de Conception de la Rainure-Guide de Tranchée.
4. Maintenant, enlevez la Grille du Drain de Conception de la Rainure-Guide de Tranchée et couvrez de carreaux le plancher du receveur de douche.



**III. COMMENT INSÉRER LA GRILLE DU DRAIN DE CONCEPTION ÊTRE COUVERTE DE CARREAUX DANS LE RECEVEUR DE DOUCHE COUVERT DE CARREAUX AFIN QUE (A) ELLE SOIT ESPACÉE CORRECTEMENT POUR LE DRAINAGE ET (B) ELLE SOIT AU MÊME NIVEAU QUE LE CARRELAGE ADJACENT: (Voir les Figs. 1 & 3)**

1. Choisissez une combinaison de Distanciers Verticaux du Drain (2mm, 4mm, and/or 6mm) afin que la surface du dessus de la Grille du Drain de Tranchée de Conception soit au même niveau que le dessus des carreaux de plancher près de la tranchée.
2. Insérez les Butoirs en Caoutchouc dans le trous latéraux de la Grille du Drain de Tranchée de Conception en les insérant dans les trous jusqu'à ce qu'ils se fixent en place (Fig. 1).
3. Puis glissez la Grille du Drain de Tranchée de Conception dans la Rainure-Guide de Tranchée du receveur de douche, premièrement en comprimant le côté de la grille pouvant être couverte de carreaux avec les Butoirs en Caoutchouc contre le mur de la Rainure-Guide de Tranchée du receveur de douche (Fig. 3).
4. Finalement, glissez l'autre côté de la Grille du Drain de Tranchée de Conception dans la Rainure-Guide de Tranchée du receveur de douche.



**IV. COMMENT ENLEVER LA GRILLE DE LA RAINURE-GUIDE DE TRANCHÉE: (Voir la Fig. 4)**

1. Insérez vos doigts sur une clé Allen dans l'espace entre la Grille du Drain de Conception et le mur de la Rainure-Guide de Tranchée (à savoir, l'espace entre E et F ou G et H), et soulevez doucement un côté de la grille, et saisissez-la avec les deux mains, puis enlevez soigneusement l'autre côté en soulevant la grille au complet avec vos mains.

