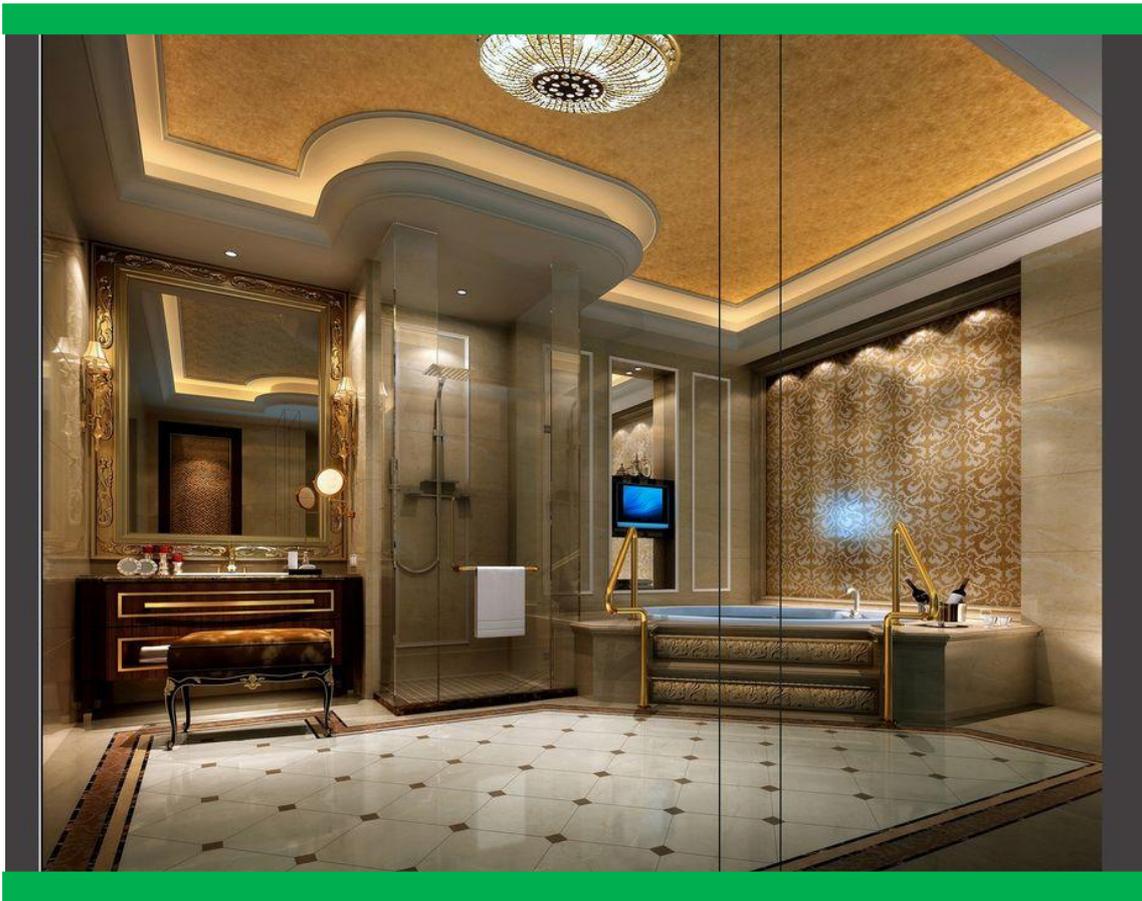




Xiamen Uni-Green Plastics Co., Ltd



# Installation Booklet

## Uni-Green® Shower System

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# Uni-Green<sup>®</sup> Shower System

**From Xiamen Uni-Green Plastics Co.,Ltd**

## **About the Product**

The Shower system as we will refer to it in this installation booklet has been engineered to the highest standards available. It has been designed to be user friendly and is quickly becoming the preferred way to install shower systems. Our shower system doesn't require cutting of any structural floor system supports and is compatible with traditional joint systems, TGIs', engineered truss systems and concrete floor applications.

The pan is made from recycled ABS with fiberglass filled, can be cut to fit almost any shower configuration. In the event that your installation requires cutting of the pan, we have included reinforced screw guides and additional bracing under the pan for strength. The cut slots and screw guides are easily located via dimple marks on the top of pan. Additionally, we have included a pre-textured surface on the pan to create a strong mechanical bond between the pan and the water-proofing membrane applied on it.

The drain assembly made from ABS and the top strain to be SS304. The pan was easily to be connected with 2" PVC, cast iron, copper or ABS pipes.

Tile showers created using traditional PVC shower pan membranes are more susceptible to leaking due to the numerous penetrations made through the membrane during construction. Anyone that has ever owned a tile shower created using this method has most likely had to deal with it leaking at some point.

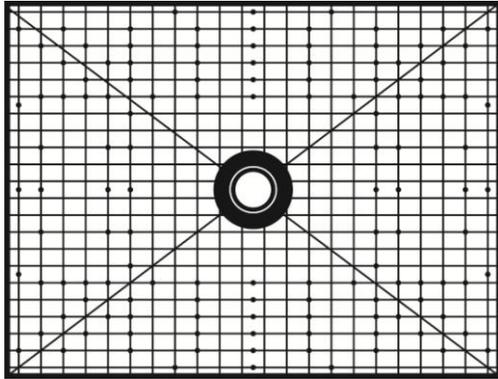
Our installation procedure with the superior waterproofing is sure to give you many years of leak free showering.

## **Items Needed**

Monkey Wrench  
Staple Gun  
Hammer  
Tape Measure  
Level  
Pencil/Maker  
Utility Knife  
4" wide paint brush  
Scissors  
Drywall Trowel  
Carpenters Square  
1/2" Tile Trowel  
2 of 5 Gallon Buckets  
Heavy Duty Mixer  
Sheers or grinder to cut tile backer board  
Sponge  
Skill Saw  
Waste Plug

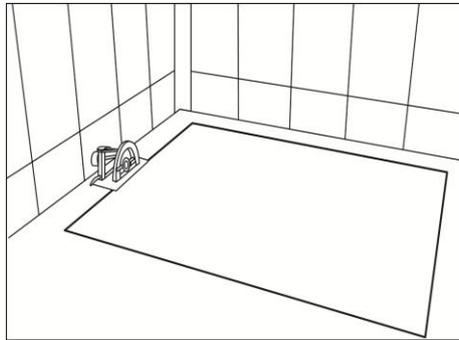
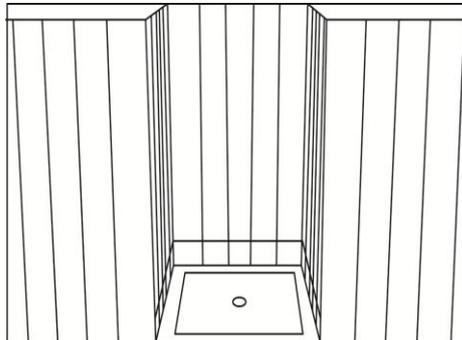
### **Step 1: Pan Layout**

Lay the pan on the floor and mark the drain opening. Make sure there is no structural objects below that interfere with hole opening for the drain. If your shower space doesn't allow you to lay the whole pan, we have provided a cutout template that can be used for this step.



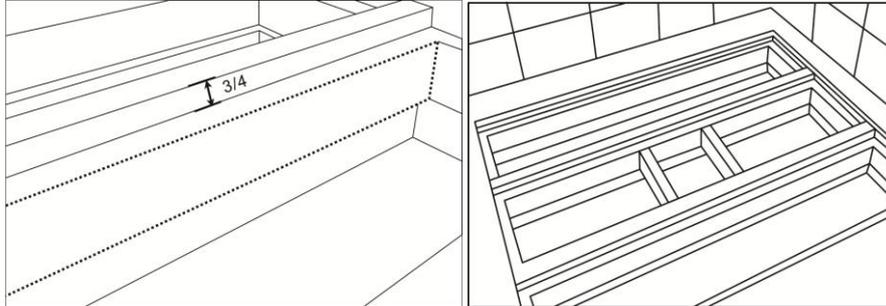
### **Step 2: Floor Cut**

Once the pan has been positioned and the floor marked, cut the floor area out with a skill saw. Set your saw blade just deep enough to cut the sub-floor, taking care not to cut anything below the subfloor. It's OK to over cut the size of the pan by 1/4" all the way around.



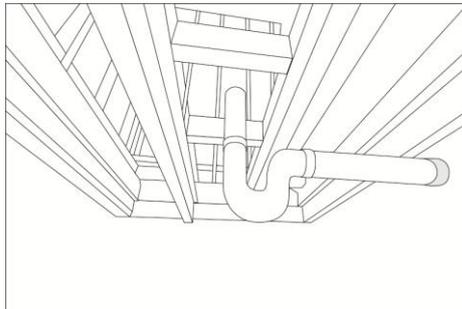
### **Step 3: Joist Sistering**

Measure and cut 2X4's to picture frame the opening between the joists. Apply construction adhesive and screw or nail the 2x4's to the sides of the joists. The 2x4's should be held 3/4" below the top of the joist. Install 2 cross support 2x4's near the drain opening. These pieces can lay horizontally and should be positioned leaving clearance for the required opening for the drain.



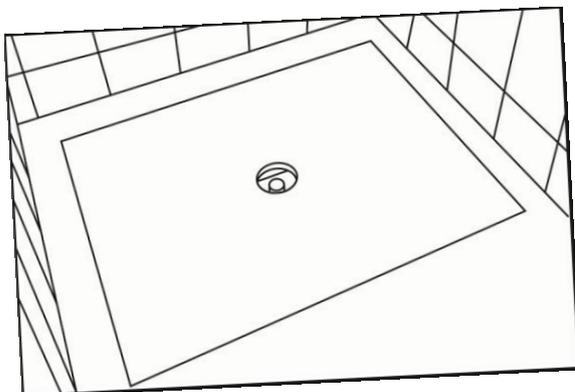
### **Step 4: Drain Installation**

For installations without access below, set the pan in place and pull measurements to the center of your drain opening. Remove the pan and install your drainage waste pipe, stubbing the pipe above the subfloor level



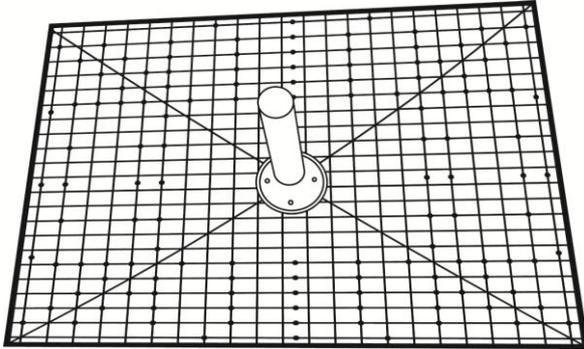
### **Step 5: Plywood Sub-Floor**

Cut 3/4" plywood to fit between the joists and on top of the 2x4's. Apply construction adhesive to the top of the 2X4's, insert the plywood and screw or nail into places.



### **Step 6: Solvent welds over 2” pipe**

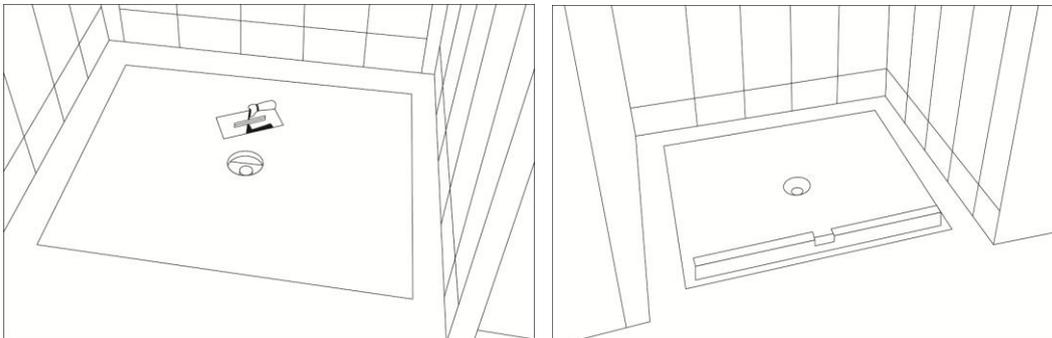
Have a short length of 2” pipe, solvent welds from the back of the pan.



### **Step 7: Setting the pan**

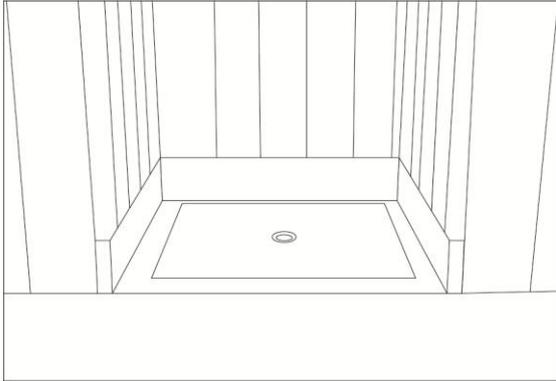
Mix the NA-3200 Latex Modified thinset according to the package label and pour into the recessed pan opening. The thinset should be thicker at the outside edge and tapered near the drain. Set the pan into place. Verify the pan is setting level. Carefully screw the perimeter screws into place checking for levelness as we go

Tip: In the event that the floor is not level, additional thin-set can be applied to the low side to level up pan. Always allow thin-set to set up before standing on pan.



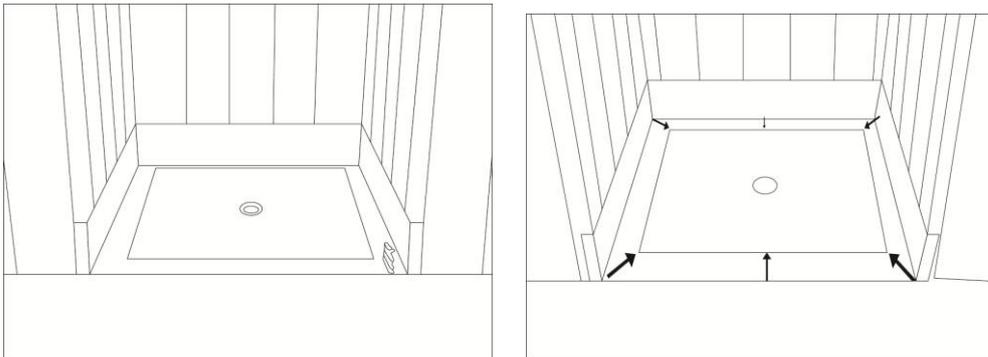
### **Step 8: Tile Back Board**

Cut 1/2" tile backer board approx 12" high and screw to the walls. Determine the thickness of floor backer board and install so the slope from the backer board to the pan will be a min. of 1/4" per ft. on a typical 3/4" sub-floor installation, our 7/8" pan will sit 1/8" higher than the surrounding sub-floor. Therefore, if you're installing 1/4" backer board keep it 6" away from the pan. If you're using 1/2" backer board, stay 12" away from the pan. This process can be useful to create a slope past shower area foot print.



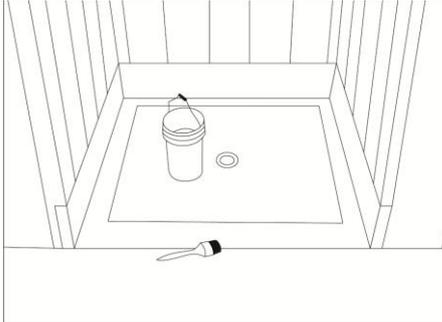
### **Step 9: Floor Sloping(if required)**

Measure, cut and staple the NA-1680 mesh provided into any areas that require sloping. Mix the NA-500 fast setting patch according to the package label and pour into the recessed area. Install the patch ensuring that all potential "wet areas" slope back towards the pan and drain.

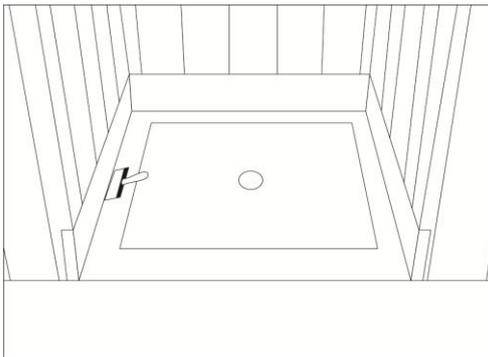


## **Step 10: Seam Waterproofing**

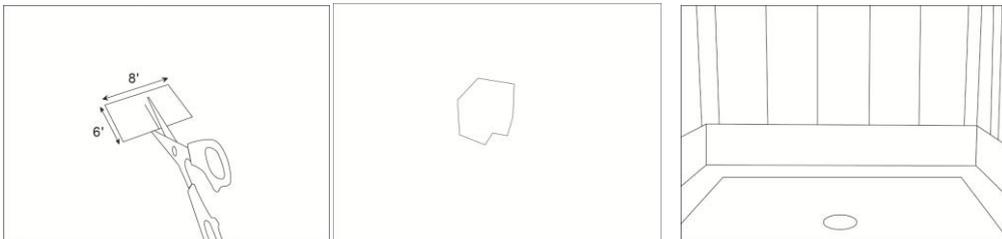
Precut 6" wide strips of NA-1750 reinforcement fabric before waterproofing is applied. Apply the NA-1740 waterproofing membrane provided with a 4" wide paint brush to all corners and seams. Cover approximately 5" on both sides of seams. This first coat will be absorbed quickly.



Once dry, apply a 2nd coat of waterproofing to the seams. Fold the precut 6" wide reinforcement fabric strips in half and set in place. Tuck the reinforcement fabric into place with a flat blade trowel ensuring all corners are tight leaving no air bubbles. Waterproofing over the fabric again and let dry.

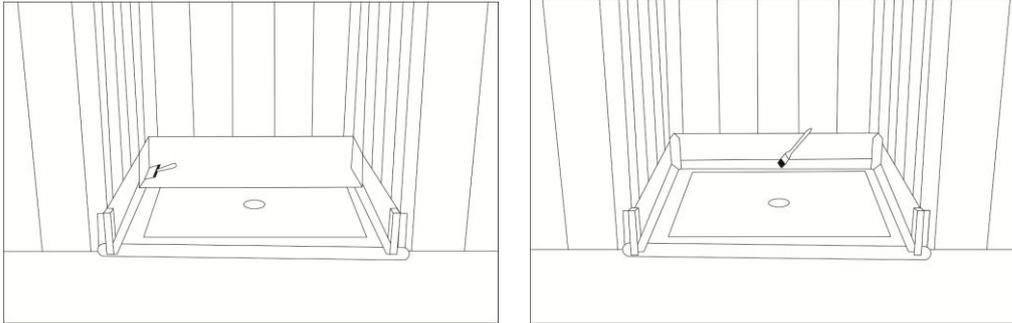


Cut a piece of the 6" fabric approx. 8" long. Cut this piece half way up the 6" length and fold to create a corner dams as shown. Apply waterproofing to the corners, insert the corner piece and waterproofing over again.



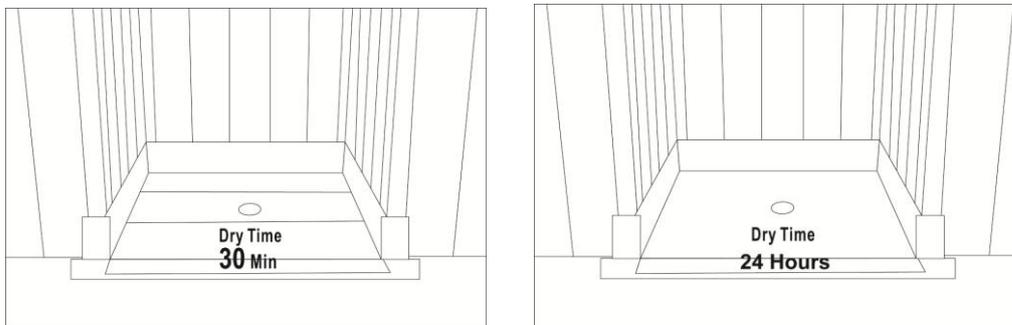
## **Step 11: Pan Waterproofing**

Starting at the rear of the shower, precut strips of the NA-1750 reinforcement fabric large enough to cover down the rear wall, both side walls and across the pan before waterproofing membrane is applied. Apply the NA-1740 waterproofing membrane with a 4" wide paint brush to an area slightly larger than the reinforcement fabric will cover. Lay the fabric into position and tuck place with a flat blade trowel so all corners are tight. Waterproofing over fabric again and let it dry.



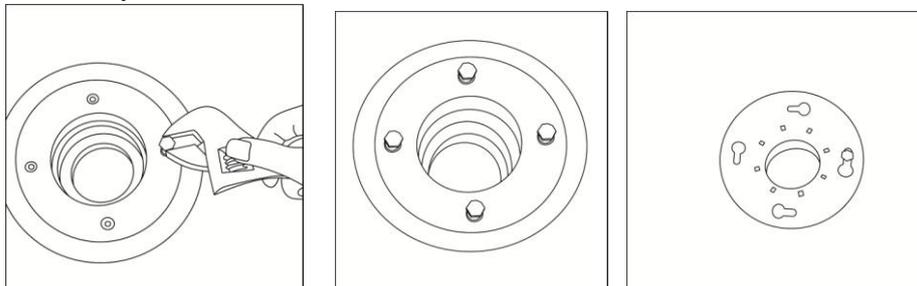
Following the same procedure for the remaining sections of the pan. It's good practice to place a tape over the 4 screw grommets before waterproofing over the drain. Let the pan dry for approx. 30 minutes and re-coat with the waterproofing again. This coat should dry for approx. 16 hrs. this entire process can be completed easily in 1 day, although the 1st couple installations may take slightly.

Re-coat the entire pan and let it dry for 24hrs. The final thickness of waterproofing should be about the thickness of a credit card or 0.5mm.



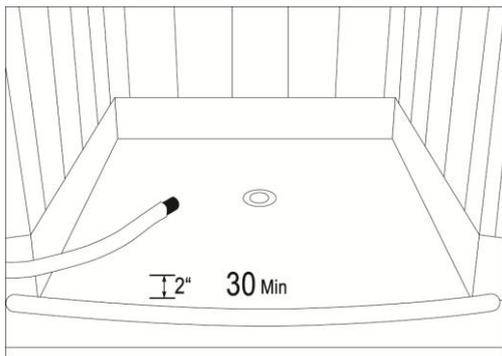
### **Step 12: Clamping Collar Connection.**

Locate the centre of the drain with your fingers and carefully cut the fabric using a utility knife. Using the 4 screws provided, tighten the clamping collars into place with the money wrench.



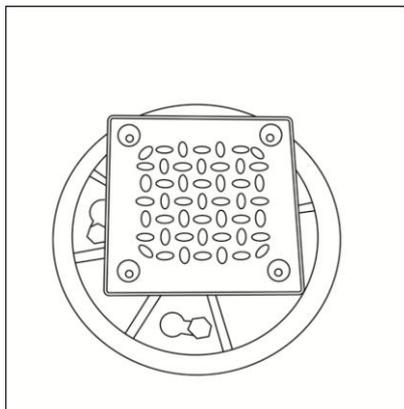
### **Step 13: Testing**

Seal the drain opening and create a temporary dam at the front of the shower using plumber putty. For larger showers, flexible molding can be used with the putty to help creating a dam. Fill the shower with water for 30minutes or as long as local codes require. Once complete, pull the test and remove all the putty from the shower floor.

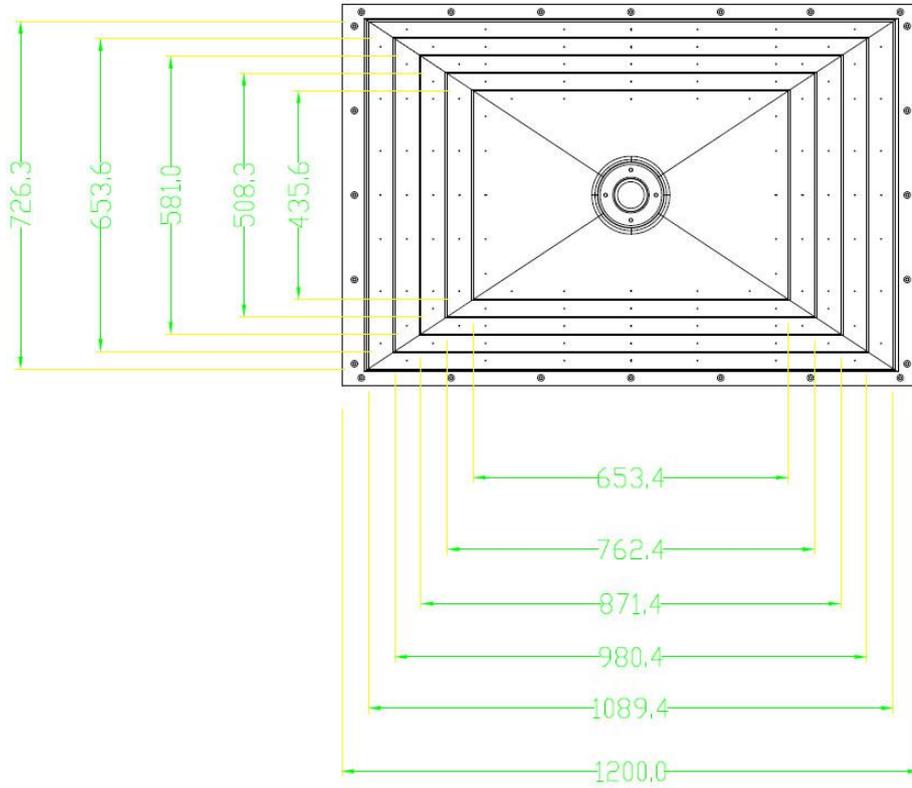


### **Step 14: Head Adapter and Strainer Installation**

Thread the pre-assembled head adapter with the strainer into the clamping collar. The head adapter can be easily removed during the tile procedure to adjust the finished strainer height up or down as required. Then the shower pan is completed and ready to be tiled.



## Parts Breakdown





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