

## PATIO BLOCKS

Now you are ready to level the patio blocks with a level and a straight wood plank in between the blocks or you can level them with a transit. Mark out the position of the patio blocks on all four sides in the ground, before you remove it. The reason for this is to place the patio block back in the exact position. Choose the lowest block and either run block to block with a level and straight wood plank or use a transit. You need to sink each patio block in the ground, and level the blocks front to back and side to side with a torpedo level and make sure the blocks are flush with the ground, solid and level with each other in all directions. Trowel the ground level in between the patio blocks and make sure the track lays level and flat in between the blocks. Sweep the blocks and put all bottom clips and tracks back together in the center of the patio blocks up against the stakes. Lay out your top tracks around the perimeter of the pool.

**Bottom track laid out to place patio block underneath where 2 bottom track meet in the center of the bottom clip.**



**Leveling left to right and front to back**



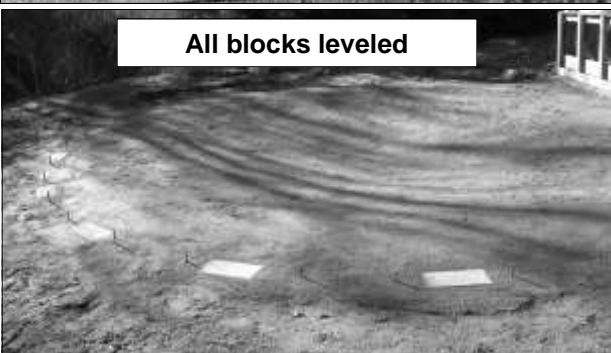
**Leveling patio blocks in virgin soil**



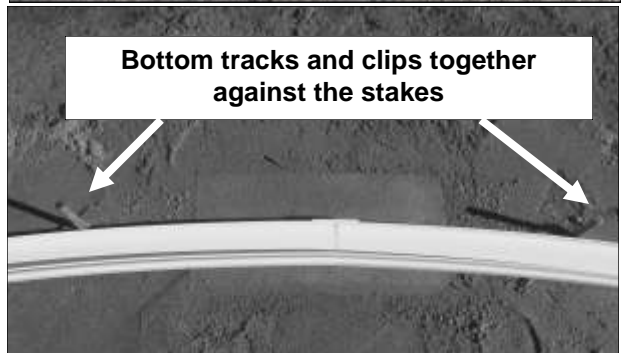
**Patio block leveled, area between blocks are leveled with masonry sand**



**All blocks leveled**



**Bottom tracks and clips together against the stakes**



**Optional IPE**



**Optional IPE**



**All blocks are leveled, bottom track and clips put back together against the stakes in the ground. Place top track around the pool perimeter, place wall, Opt. IPE roll, rakes, shovels, tamper, and 4'x4' wall boards to the inside of the pool. Have all tools, hardware and insulation ready for installation.**

## SAND BASE

Use clean sifted masonry sand. Be sure to cover the bottom track when shoveling sand into the center of the pool, to keep sand out of tracking. If you can wheel barrow the sand in, lay a few patio blocks on each side of the bottom track and lay a piece of wood on them. Now you can move the sand without damaging the bottom track. It is very important to keep the pool round by keeping the tracks up against the stakes. Be sure that you have enough for a 2" (minimum) sand bottom and the sand cove. Be sure not to get sand in the track. Make sure the bottom track is clean of debris before unrolling the walls.

## INSIDE WALL AND INSULATION

**Decide where you** will be locating the filter system, since it is connected to the skimmer. The skimmer should be placed in the direction of prevailing wind, so it can effectively remove wind blown leaves and dust from the water surface.

**The skimmer starts** app 6 feet away from the beginning of the wall, so you should start the wall keeping in mind where you want the skimmer and filter system to be located.

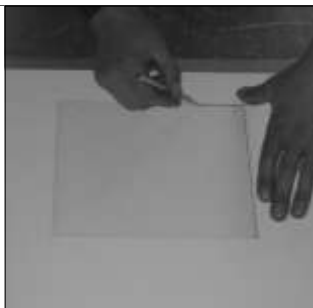
When you choose the position of the skimmer lay out the following: skimmer, shop vacuum and hose, channel locks, Phillips & Flat screwdriver, duct tape and a lead cord.

**Before unrolling the wall** choose one person for the inside of the pool and supply them with wall bolts, washers and Phillips head screw driver. For the outside person supply them with (3) 3/16" self-drilling screws ( use a 5/16 drill socket to install them) to temporarily hold the wall while pre-drilling the holes with a 1/4" drill, 1/4" wall nuts, washers and a 7/16" socket wrench for bolting the wall seam. You can unspool the wall using the two 4' x 4' pieces of plywood (already prepared). Move one piece of wood in front of the other as you unroll the wall around the circumference of the pool.

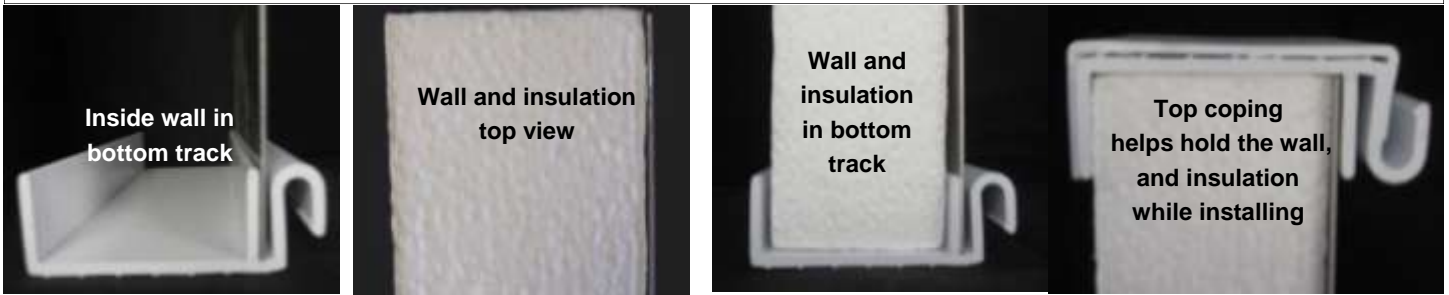
**Prepare the skimmer insulation section pictured below before unrolling the wall.**

**Start inserting the pool wall** in small section of the bottom track, as pictured on the next page. Brace the end of the wall and inserting sections of insulation, starting with the skimmer section already prepared, top track and rakes and shovels to help support the wall. Be sure to keep the pool round by keeping the pool up against the stakes. Continue inserting the wall into the bottom track, sections of insulation, and coping all the way around the pool. The last piece of insulation needs to be cut to size. The insulation section that will be covering the wall bolts needs to be notched out to make room for the bolts, see picture on page 13. Once you have finished inserting and bracing the wall, you need to bolt the wall together.

**Place the skimmer section over a insulation panel, make aluminum flush top and bottom and trace the skimmer hole out with a pencil using a utility knife carefully cut out the skimmer punch out. Place this section of insulation on first and center over skimmer punch out on the inside wall.**



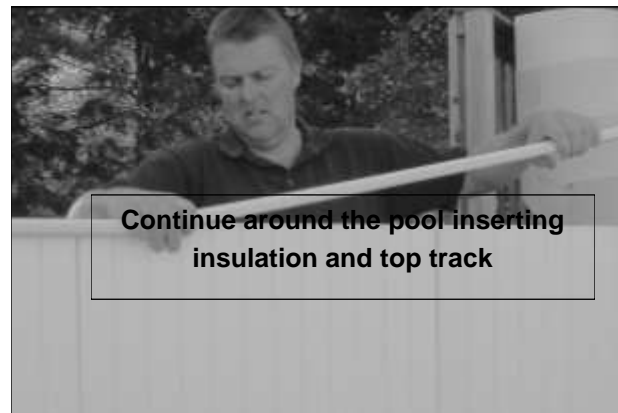
**Start inserting inside wall, brace end of wall, start inserting insulation and add top tracking to hold the wall**



**The insulation comes in sections and is notched on one side, this side is to be installed to the inside of the pool, against the wall. When placing insulation in start in the middle of the skimmer section slightly curve to the track with your hands, placing bottom in first. Slide them together to close up the seams, and keep the seams closed and tight.**



**Use insulation sections to stabilize inside wall**



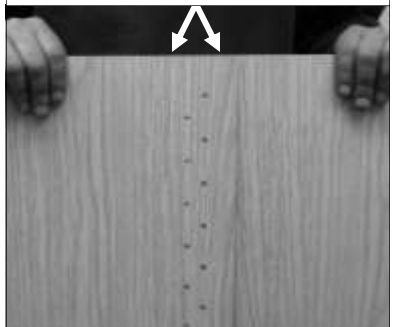




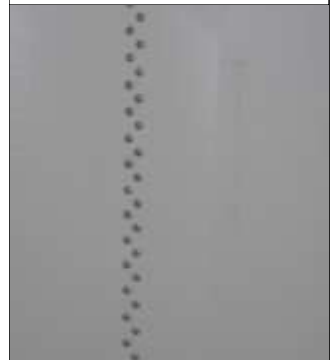
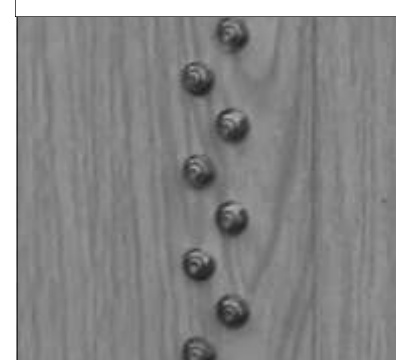
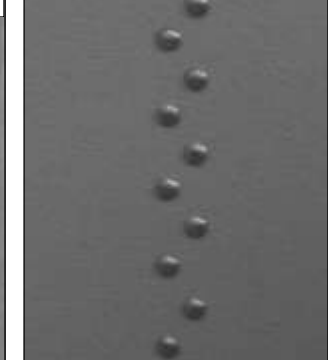
**Continue around the pool inserting insulation and top track**

**After bolting the wall you will prepare the last 2 pieces of insulation, one will be cut to size and one will be notched for the bolting pattern**

## PRE-DRILLING & BOLTING THE INSIDE WALL

One side is pre-punched and the other side needs to be drilled. Make sure the pool is up against the stakes, Hold the wall ends together and make sure both ends are level and even with each other at the top, place a level on the wall to be sure it is level vertically. To level the wall vertically you may need to push in or out, to the left or the right of the bolting pattern to achieve this.

Clamp the top of the wall together and place a pencil mark down the wall and stay on that line throughout installing the 3/16" screws. Take 3 3/16" self drilling screws ( use a 5/16 drill socket to install them) and put one screw approximately 4 holes from the top, middle and 4 holes from the bottom, this will hold the wall while you pre-drill the rest of the holes. Take a 2 x 6 or any piece of wood and hold it on the seam while the outside person uses a 1/4" drill bit to pre-drill the wall, using the pre-punched holes as a template. Start inserting the bolts and nuts with the bolt head to the inside and the nut to the outside with a washer on both sides. When you are done remove the self tappers and pre-drill and place the bolts, nuts and washers in as you did in all the other holes. **Due to the tremendous water pressure exerted on the wall it is very important that all nuts are securely tightened on all bolts, do not leave any open holes.**

<p><b>Both ends level and even with each other at the top</b></p> 	<p><b>Level wall vertically</b></p> 	<p><b>Self drilling screws to hold wall for pre-drilling</b></p> 	<p><b>Pre-drilling</b></p> 
<p><b>Self drilling screw</b></p> 	<p><b>Bolt pattern complete inside view</b></p> 	<p><b>Outside view of bolts before insulation and outer wall</b></p> 	<p><b>Inside view of bolts</b></p> 

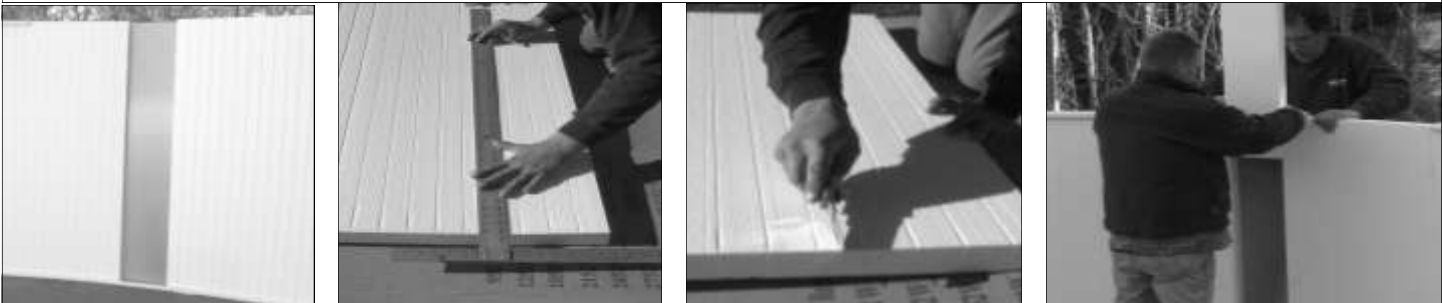
**On the inside of the pool:  
Cover wall bolts and wall overlap with at least 3 layers of duct tape.**



Make sure all the insulation closed tight together with no gaps.  
 Hold a piece of insulation in front of the wall bolt pattern and mark with a pencil where it needs to be notched.  
 Cut at a sharp angle, being careful not to cut too deep.  
 Notch the insulation and place the piece over the wall bolt pattern.

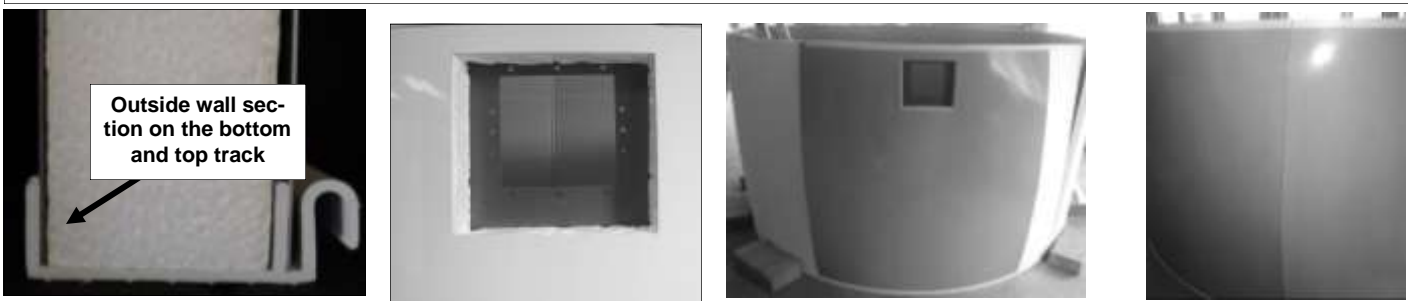


Last piece needs to be cut, make a straight line and cut with a utility knife and slide in. Be sure it's a tight fit.



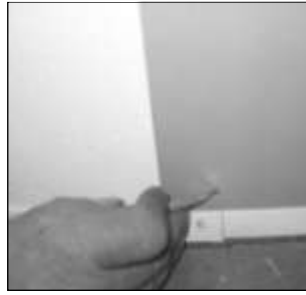
## OUTSIDE WALL

Remove the protective film from each outer wall section as you begin to install them. Start the outside wall sections using the skimmer panel first. Center the wall skimmer section with the center of the skimmer and the insulation panel, be careful with this process, so installing the skimmer later will go smoothly. Insert the wall to the outside of the insulation. Starting to the left of the skimmer overlap the next panel 1 3/8". Remove the top track and re-install them as you insert the outside wall sections. Start your first top track in the middle of the bottom track so the seams will be offset.



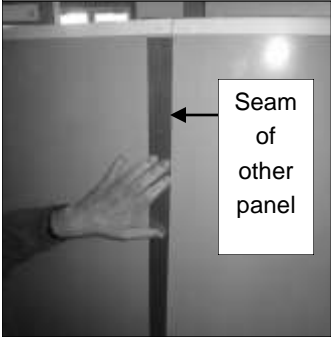
Once you place the skimmer wall panel on, you can install your skimmer. Place the sandwich gasket on and the two set screws. You will complete the skimmer once the liner is in.





**STARTING TO THE LEFT OF THE SKIMMER PANEL AND CONTINUE TO THE LEFT**

**Mark with a pencil at the top and bottom of the wall to mark the overlap of the aluminum sections 1 3/8" and then insert outer wall section into the bottom track. Place wall section on the line top and bottom. Place top tracks back on to help stabilize the wall sections and pool.**



**THIS IS A TWO PERSON JOB LEVELING AND MARKING THE PANELS**

Place a level on the wall and be sure the wall is level and mark with a pencil from top and bottom and keep it on the line, throughout this step. The template is meant to be used with the top track on and should be placed on the edge of the wall section where the 2 wall sections overlap, so when you install the screws they go through both pieces of wall sections. Use the screw template to mark with a pencil where the screws are placed. The screws are self drilling, but you may pre-drill using a 5/64" drill. Start the screws at the bottom working your way to the top, be sure to keep the aluminum flat against the pool to prevent waviness. If you have a drill with an adjustable torque, adjust your torque so that you may use a screwdriver to hand tighten. This will prevent the screws from stripping out. Be careful not to over tighten with the drill. If you have a 3 person crew you can start to the left and right of the skimmer, sharing the screw template and the 3rd man, making the job much quicker. Continue all the way around marking, leveling and screwing the outer walls sections.

**If your pool requires a special length section,  
it must be installed to the immediate right of the skimmer panel.**

**Be sure that you screw through both pieces of wall where the seam walls overlap**

