



# ASSEMBLY INSTRUCTIONS

## OVAL POOLS

WITH SIDE SUPPORTS  
Trevi 211 / 213

Dear Customer

Congratulations! You have purchased a pool of superior quality and durability. To achieve the best possible results, follow the instructions carefully. Failure to follow the installation procedures may result in damage to your pool or property and void your warranty. We recommend that you make a preliminary study of the instruction booklet to familiarize yourself with the different parts of your pool. Make sure that you understand each step thoroughly before you begin assembling.

We wish you a most pleasant and refreshing summer.

**We strongly recommend having your pool installed by a professional.**

***WARNING: Be sure you have read and understand the “Safety Information” sheets before you begin your pool installation.***



**WARNING: For your safety, your pool is not designed for diving and/or jumping head first. Please do not dive. Diving may result in permanent injury or death.**

# 1

## SITE PREPARATION

Chart 1.1 - Grass removal area (Figure 1.1)

MODEL	DISTANCE (A-B)	RADIUS (R)	WIDTH (D)	TOTAL LENGHT (E)	CORRIDOR (F)
10'x16'	1.82m (6' 0")	1.67m (5' 6")	3.35m (11')	5.18m (17' 0")	2.08m (6' 10")
10'x19'	2.75m (9' 0")	1.67m (5' 6")	3.35m (11')	6.09m (20' 0")	2.99m (9' 10")
10'x22'	3.65m (12' 0")	1.67m (5' 6")	3.35m (11')	7.01m (23' 0")	3.91m (12' 10")
12'x18'	1.82m (6' 0")	1.98m (6' 6")	3.96m (13')	5.79m (19' 0")	2.08m (6' 10")
12'x21'	2.75m (9' 0")	1.98m (6' 6")	3.96m (13')	6.70m (22' 0")	2.99m (9' 10")
12'x24'	3.65m (12' 0")	1.98m (6' 6")	3.96m (13')	7.62m (25' 0")	3.91m (12' 10")
15'x24'	2.75m (9' 0")	2.43m (8' )	4.87m (16')	7.62m (25' 0")	2.99m (9' 10")
15'x30'	4.57m (15' 0")	2.43m (8' )	4.87m (16')	9.44m (31' 0")	4.82m (15' 10")
18'x33'	4.57m (15' 0")	2.89m (9' 6")	5.79m (19')	10.36m (34' 0")	4.82m (15' 10")

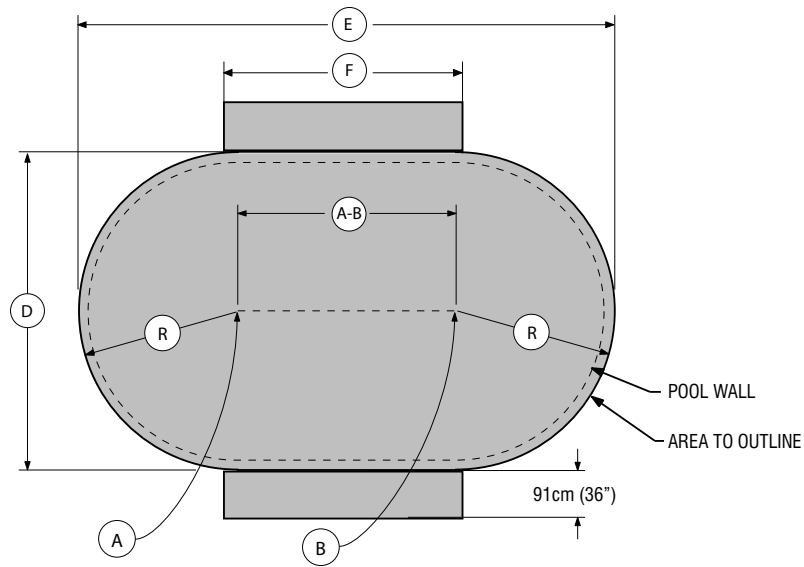
When selecting the site for your pool, take into account city by-laws regarding fences and utilities laws pertaining to electrical cables as well as the landscaping which you are planning once the pool is installed.

# 1

## SITE PREPARATION (continued)

- 1) Drive a stake into the ground at points A and B respecting the distance of the straight section between those two points (A-B).
- 2) Draw two half circles respecting the radius (R).
- 3) Join the two half circles with straight lines respecting the width between these two lines (D).
- 4) Verify that the total length is consistent. (E)
- 5) Add 89cm (36") wide trenches on each side, respecting the length (F).
- 6) Remove all grass from the area you have just outlined.

Figure 1.1



# 2

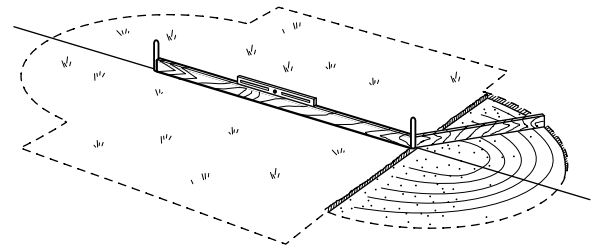
## SITE LEVELLING

### SITE LEVELLING

For an oval pool, the bottom must absolutely be levelled, using a carpenter's level and a straight plank. Eliminate any protrusions. Ensure that the surface is free of debris such as rocks, wood, etc.

### TRENCHES FOR BUTTRESS ASSEMBLIES

- 1) Dig trenches to a depth equal to the thickness of the patio blocks (2" thick slabs recommended). (Refer to illustrations for trench layout details).
- 2) Make sure trenches are smooth and leveled without compacting them.
- 3) Place and level patio blocks into trenches. Make sure that the top of the slab is level with the pool area. And bottom of framework must be level with pool area.



In order to ensure proper water drainage around the pool, a 2-degree slope needs to be erected around the perimeter of the pool. THE MANUFACTURER WILL NOT BE HELD RESPONSIBLE FOR ANY LIABILITY SHOULD THIS STEP BE OMITTED.

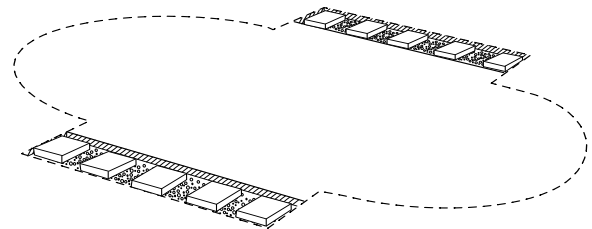


Chart: Sand quantity

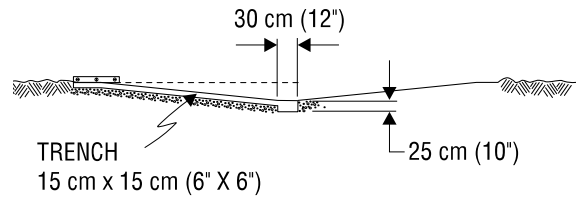
POOL SHAPE	10x16, 10x19	10x22, 12x18, 12x21, 12x24	15x24, 15x30	18x33
SAND	1 ton	1 - 1/2 tons	2 tons	3 tons

# 3

## BOTTOM DRAIN ASSEMBLY (if applicable)

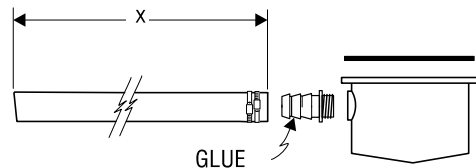
Dig a hole 30 cm (12") wide by approximately 25 cm (10") deep in the center of the circumference.

From the center hole to the projected location of the pool motor, dig a 15 cm (6") wide trench. Place the removed soil aside to be used later to cover the hose.



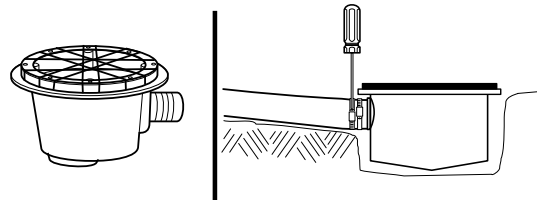
### Bottom Drain Assembly

Place teflon tape around the threaded plug. Screw in drain holes using large pliers. Glue the connector in the appropriate opening.



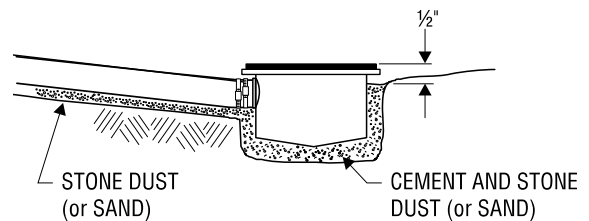
Take one of the two rubber rings and adjust it to the top of the drain, aligning the holes carefully. Secure with strips of adhesive tape to prevent sand from penetrating inside the holes once the drain has been installed.

Secure one end of the long black or white hose inside the drain spout. First apply glue on the drain spout and inside the drain end, then secure with one or two collars.



Cut the hose so that it ends with the stone dust (or sand). Measure the pool radius from the center of the drain, then add 15 cm (6").

Place the assembled bottom drain in the hole so that it is approximately 1.3cm (1/2") higher than the surface soil. Bury the hose, levelling the drain as much as possible. Compact the soil, using your feet and a tampering tool as well.



Mix three (3) shovels of stone or sand dust with one half shovel of pure cement, adding a small quantity of water, then pour the cement around the drain until it reaches 1.3 cm (1/2") from the top.

# 4

## TENSION STRAPS ASSEMBLY

1) Study illustrations and chart carefully. You are now ready to assemble the metallic tension straps. Refer to indications on the chart for the exact number of tension straps per row according to their respective pool size.

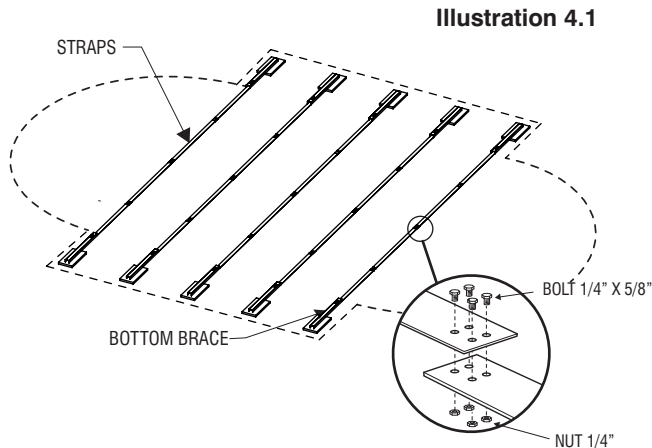
### Chart

POOL SIZE	10x16	10x19	10x22	12x18	12x21	12x24	15x24	15x30	18x33
<b>TENSION STRAPS QUANTITY (TOTAL)</b>	9	12	15	9	12	15	16	24	30
<b>ROWS TO ASSEMBLE</b>	3	4	5	3	4	5	4	6	6
<b>STRAPS PER ROW</b>	3	3	3	3	3	3	4	4	5

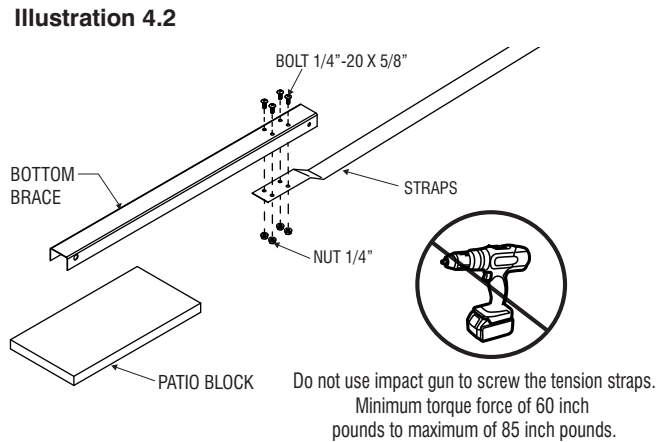
# 4

## TENSION STRAPS ASSEMBLY (continued)

**2) Refer to Illustration 4.1:** If there is more than one metallic strap per row, assemble the straps together using 4 bolts and nuts (BB) 1/4" #20 X 5/8" (6,35 mm X 15,88 mm), taking care of placing the bolt head on top.



**3) Refer to Illustration 4.2.:** Attach the assembled tension straps to bottom braces on both sides, using four (4) bolts and nuts (BB) 1/4" #20 X 5/8" (6,35 mm X 15,88 mm), taking care of placing the bolt head on top.



Do not use impact gun to screw the tension straps.  
Minimum torque force of 60 inch pounds to maximum of 85 inch pounds.

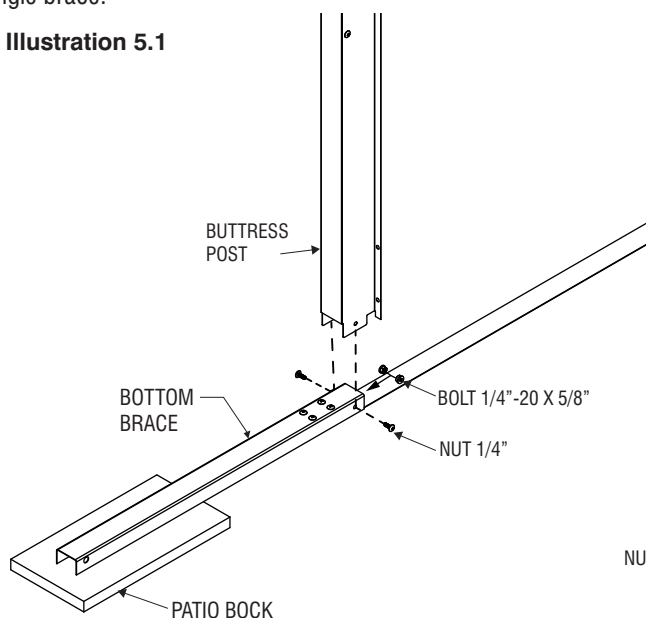
# 5

## BUTTRESS POSTS ASSEMBLY

**1) Refer to Illustration 5.1.** Assemble the buttress post to the bottom brace using two (2) bolts and nuts (BB) 1/4" #20 X 5/8" (6,35 mm X 15,88 mm).

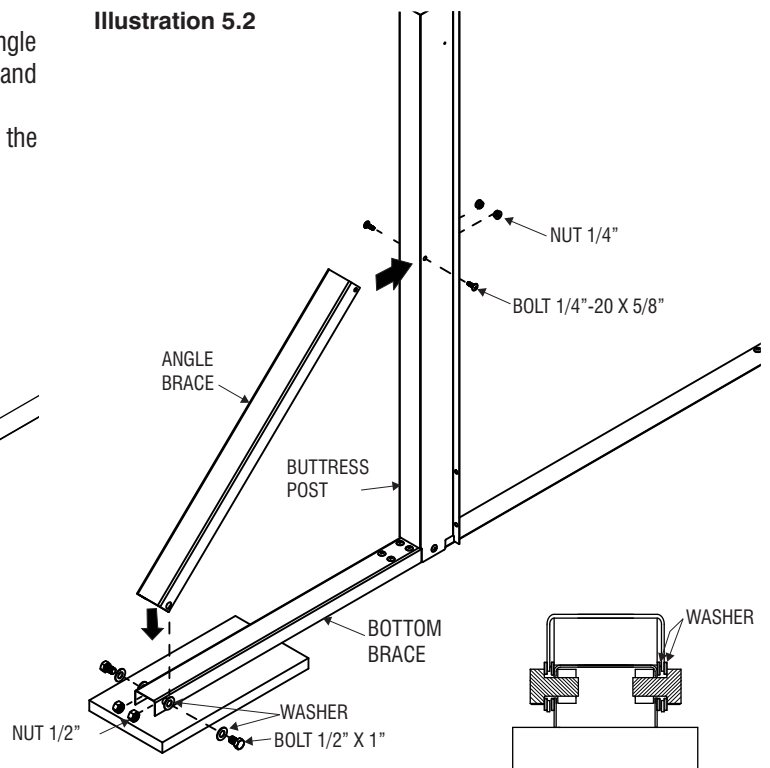
**2) Refer to Illustration 5.2.** Assemble the lower part of the angle brace using bolts and nuts 1/2" X 1" (12,7 mm X 25,4 mm) and four (4) washers, two on each side. Remember to insert one washer between the bottom brace and the angle brace.

**Illustration 5.1**



Next, assemble the other side of the angle brace to the buttress post with two (2) bolts and nuts (BB) 1/4" #20 X 5/8" (6,35 mm X 15,88 mm).

**Illustration 5.2**



# 6

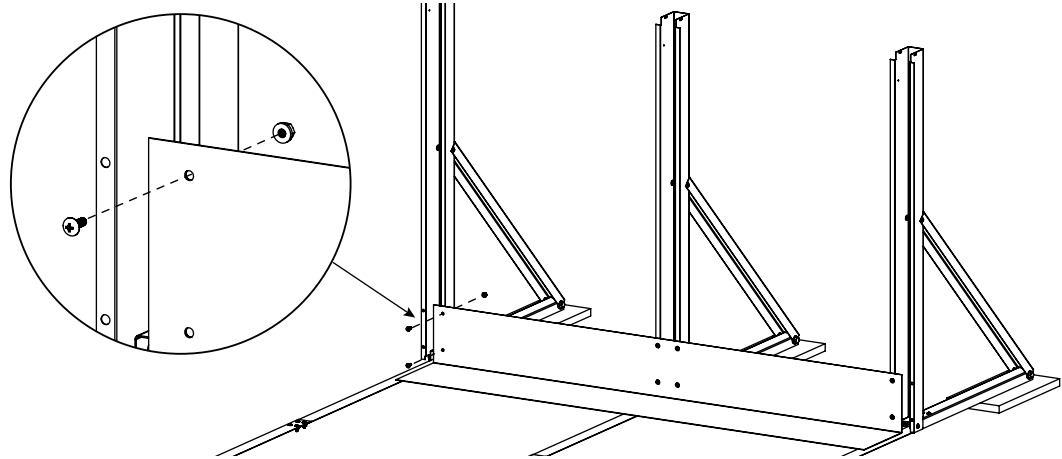
## BEARING PLATE ASSEMBLY

1) Position the buttress posts assembled in step 5 on the patio blocks in the trenches previously placed.

2) Refer to **Illustration 6.1** : Once the buttress posts are placed on the patio blocks, assemble the bearing plate in front of the but-

truss posts and on the tension straps. Fix the bearing plate using eight (8) bolts and nuts (BB) 1/4" #20 X 5/8" (6,35 mm X 15,88 mm), taking care of placing the bolt head on bearing plate and nut on buttress post.

**Illustration 6.1**



# 7

## ROUND SECTION BOTTOM TRACKS ASSEMBLY

**Start with round section, refer to illustration 7.1 :**

Assemble the track fastener at the bottom of the four buttress posts with bolt and nut 1/4" #20 X 5/8" (6,35 mm X 15,88 mm). Inset the short end of the first round section bottom track in the fastener at the bottom of the last buttress post of the straight section. Place the first bottom plate of the round section, at the other end of the bottom track.

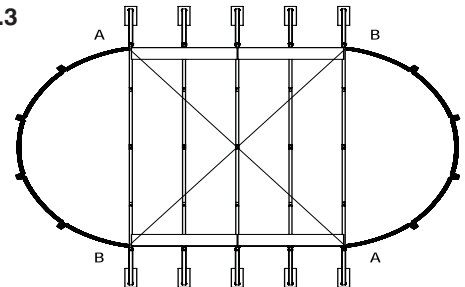
**Round section, refer to Illustration 7.2 :**

Using the round section bottom tracks and the bottom plates, start with the first plate of the round section. Repeat this procedure until the half circle is completed.

**Refer to Illustration 7.3. :**

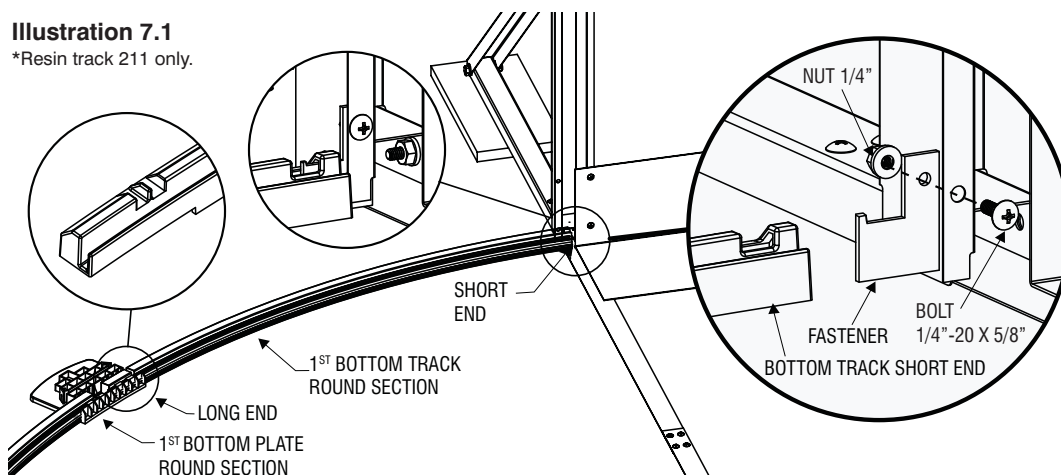
Before going to the next step, make sure that the centre of the pool is properly squared and the metallic tension straps are straight with no buckles.

**Illustration 7.3**

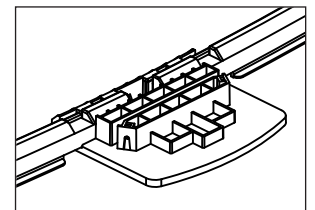


**Illustration 7.1**

\*Resin track 211 only.



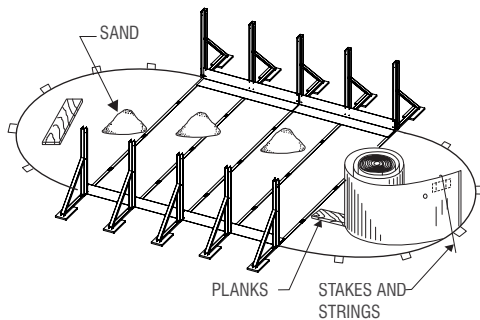
**Illustration 7.2**



Add sand.

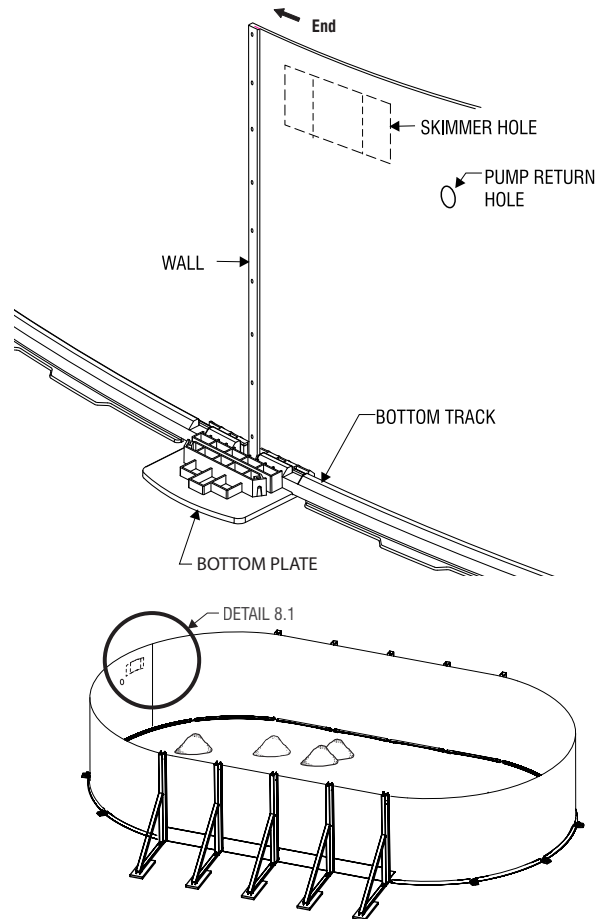
Choose the filter location beside a round section (never in a straight section). The starting point should be at that location where the skimmer and return holes are, and as close as possible to the filtration system. **When installing the steel wall, it is important to do so in a location protected from the wind or on a day without any wind.**

Before uncoiling the wall, make sure the pre-punched holes for the skimmer and pump return are at the top and facing the planned location of your filter.



Begin inserting the wall into the bottom tracks in the middle of a bottom plate. At first, the wall is kept in place with one or two stakes and strings (or extra persons). One person uncoils the wall on a beam or a plank, while a second person inserts it in the bottom tracks. Do not uncoil more than 3 m (10') of wall before you install a support bar or stake and string to reinforce the structure.

Once the wall is completely uncoiled, you may find that it is too long or that both ends do not meet by a few centimetres. If such is the case, adjust tracks and bottom plates until wall holes line up. If this does not work, roll up the wall again, check measurements as per Illustration 1.1, adjust tracks and plates, if applicable, and uncoil the wall again. If the spread is too wide, measure the wall and check it against the chart below.

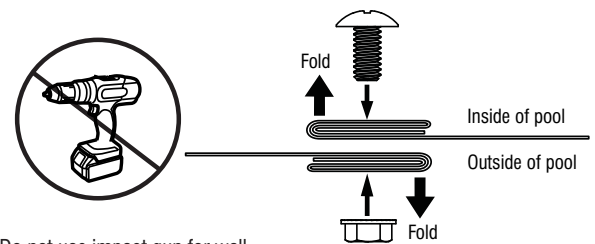
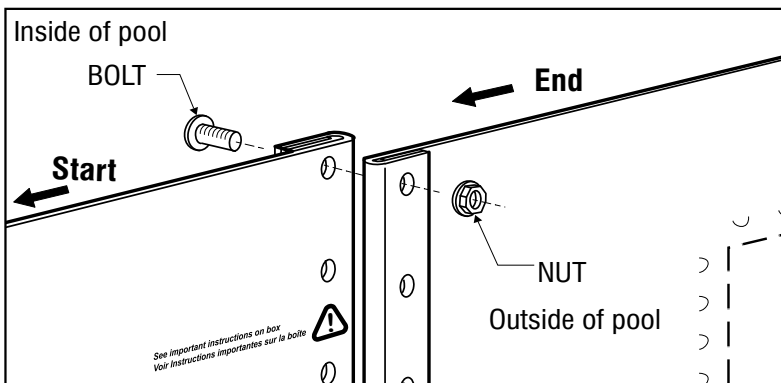


Join both ends of the wall by orienting folds outward to hide the exclamation icon. (Illustration 8.1)

**Note: If the wall is attached properly, you should no longer see the exclamation icon. If you can always see the icon, you must reverse the overlap.**

Insert bolts and nuts in every hole and tighten with wrench (screw head on water side of wall). Tape over screw heads with duck tape.

Illustration 8.1



Do not use impact gun for wall screws.  
Minimum torque force of 60 inch pounds to maximum of 85 inch pounds.

**IMPORTANT! Installing the wall joint in non-compliance with the specifications dictated by the manufacturer will void the warranty. A faulty installation will cause the wall/joint to split which could result in serious and/or fatal injuries!**

Chart

MODELS	10x16	10x19	10x22	12x18	12x21	12x24	15x24	15x30	18x33
<b>ACTUAL LENGHT OF THE WALL</b>	43' 8" (13,30m)	49' 8" (15,14m)	55' 9" (17,00m)	49' 8 1/2" (15,16m)	55' 9 3/8" (17,00m)	61' 9 3/8" (18,83m)	65' 2 1/2" (19,88m)	77' 2 1/2" (23,53m)	86' 7 1/2" (26,40m)

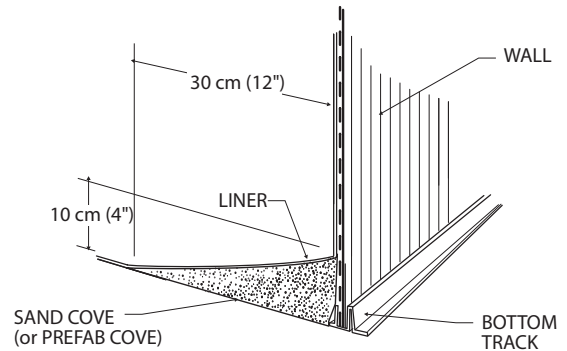
# 9

## SAND BASE FINISHING

You can now spread approximately 10 cm (4") of compacting sand all around the inside base of the wall in order to protect the liner from the cutting edges of the bottom tracks and the stone dust (if applicable), or install a prefabricated cove if available.

### SAND BASE FINISHING

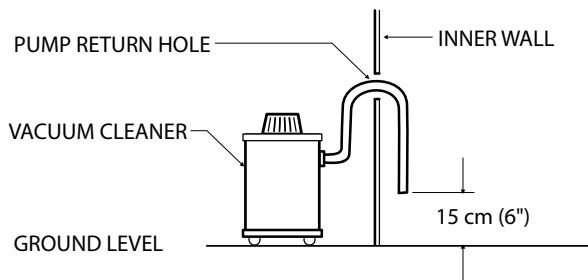
Level finishing sand one last time. Make sure that any sharp stones, debris or roots have been removed from the surface. For better protection, spray sand with water and pack it once more until the base is nicely even.



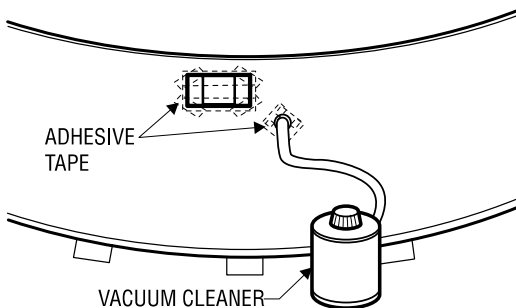
# 10

## VINYL LINER INSTALLATION

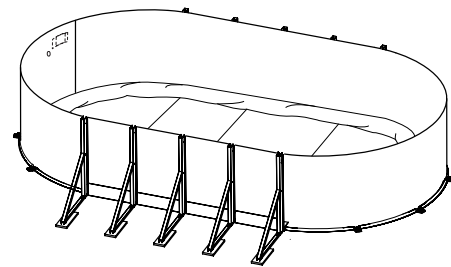
Before pulling the liner up against the wall, insert a vacuum cleaner hose down into the pump return hole to approximately 15 cm (6") from the ground.



Maintain the hose in place with adhesive tape. Don't forget to block the skimmer hole with adhesive tape to prevent air from leaking in.



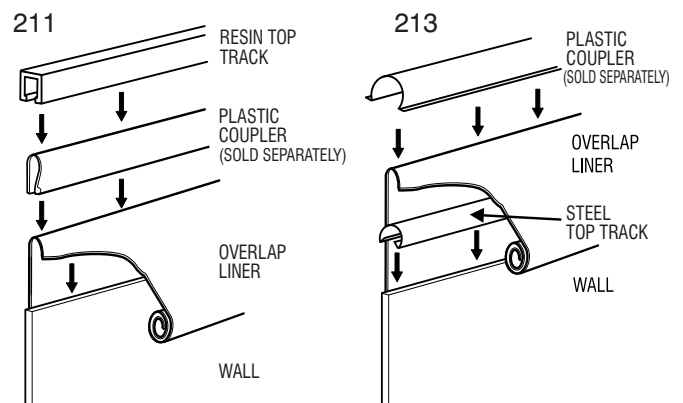
Place the unfolded liner in the center of the pool area at right angles with the skimmer hole. Make sure you wear light, flat-soled shoes to walk on the sand as the slightest heel mark could be visible once the pool is filled.



Carefully unfold the liner, bringing the bottom-sidewall seam close to the wall base. Make sure that the side with the protruding seams faces downward or that the patterned side faces upward.

Lift up a section of the liner over the top of the wall leaving a 10 cm to 15 cm (4" to 6") fringe outside the wall. Secure the liner with a plastic coupler (sold separately). Install the top track on the wall then install the top plates on top of each upright.

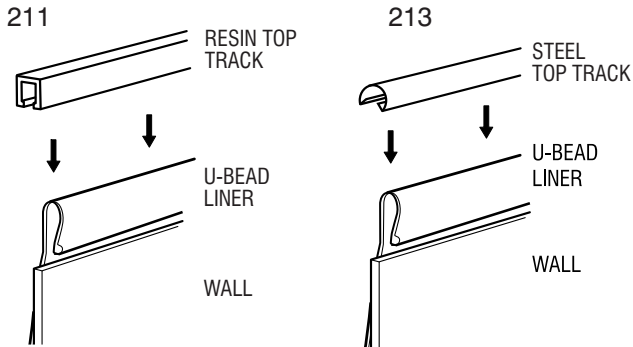
At this point, the liner may be too tight, making it difficult to drape the overlap or, on the contrary, too loose. In such cases, you will have to redistribute the tension in the liner by removing some of the couplers and readjusting the liner.



# 10

## VINYL LINER INSTALLATION (continued)

Installation detail of a bead liner with top track.  
Hang the liner on the top of the wall and install the top track to secure.



Start the vacuum cleaner to allow the liner to adhere to the wall and check for excess tension at the bottom or for wrinkles. Adjust the liner by removing wrinkles if needed, lift or lower it in order to ensure a perfect fit.

Fill the pool with water up to the base of the wall before stopping and removing the vacuum cleaner.

### PUMP RETURN FITTING

After you remove the vacuum cleaner, you may install the return fitting. Place the return fitting ring against the liner and adjust it so that it is perfectly aligned with the hole in the wall. When the ring is properly positioned and secured, cut the liner in the middle of the ring.

Insert the return fitting from the inside, placing the first gasket between the return fitting and the liner and the second between the wall and the liner. Then tighten the outside ring with large pliers, taking care not to crease the liner.

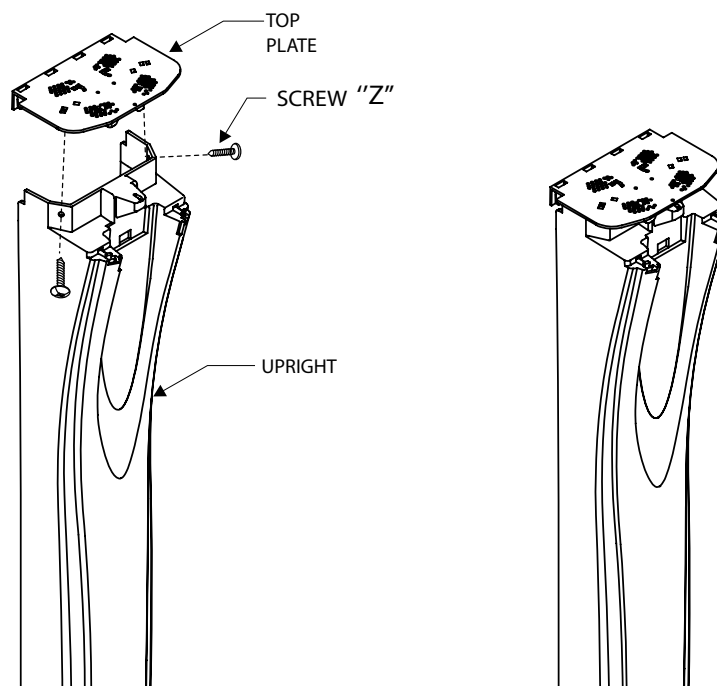
### BOTTOM DRAIN (optional)

Find the holes through the middle of the liner and screw the ring and gasket in against the liner before cutting the liner in the middle of the ring, then screw on the drain cover.

# 11

## UPRIGHT POST TOP PLATE (round section)

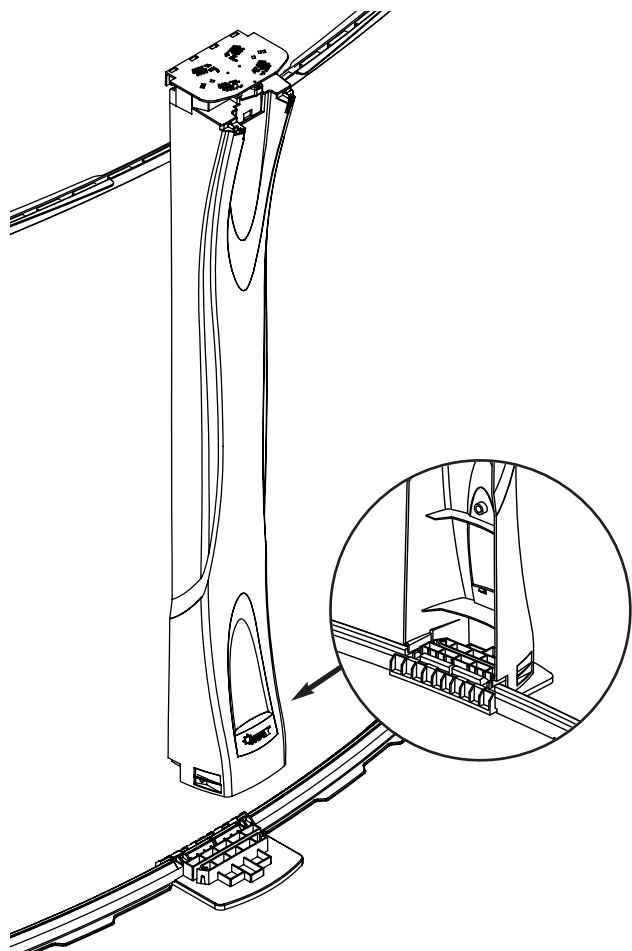
Put the top plate on the upper side of the upright, and secure with two (2) screws "Z" on each side.





# 12

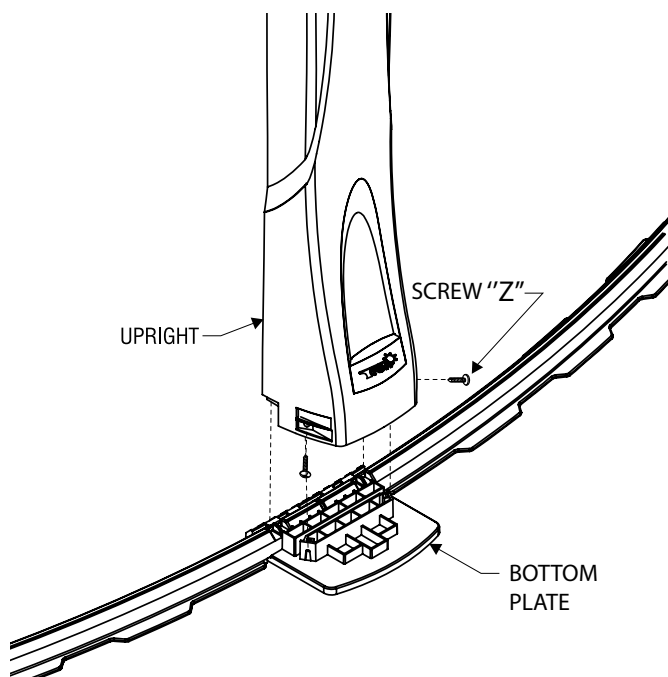
## UPRIGHT POST INSTALLATION



### For the round section:

Attach the uprights to the bottom plate with two (2) screws "Z", which you will find in the hardware bag.

Uprights must be installed outside the flanged part of the bottom plate and into the two notches of the bottom track.

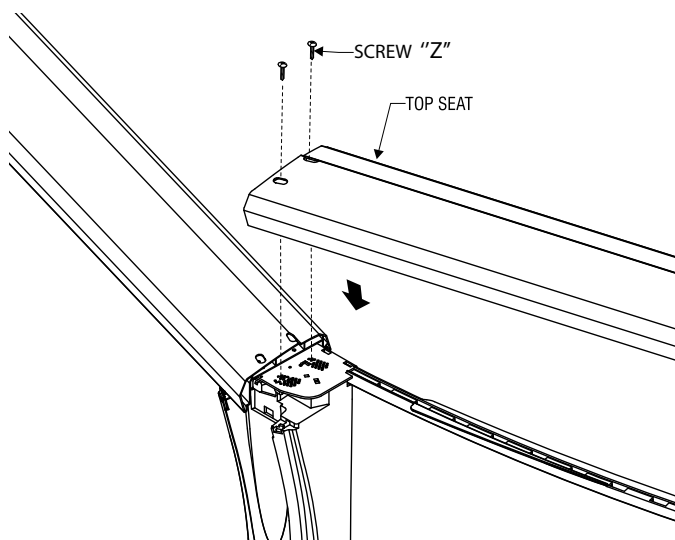


# 13

## TOP SEAT INSTALLATION

Be sure to have a vertical (plumb) upright before fixing the top seat.

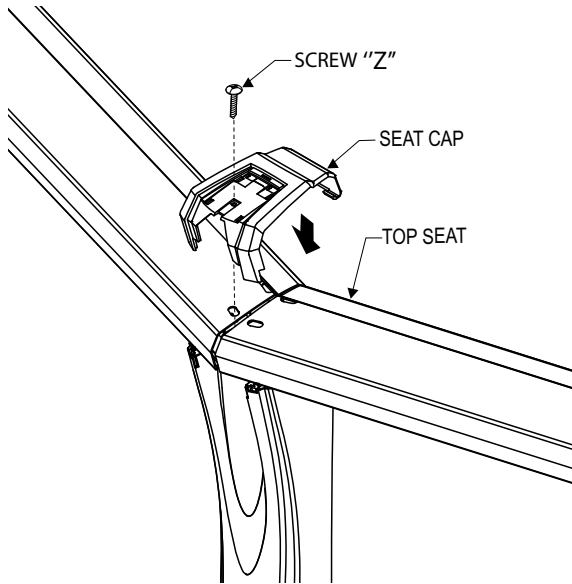
Place the top seat on the upper side of the upright.  
Center the top seat between the two uprights and secure with four (4) screws "Z".



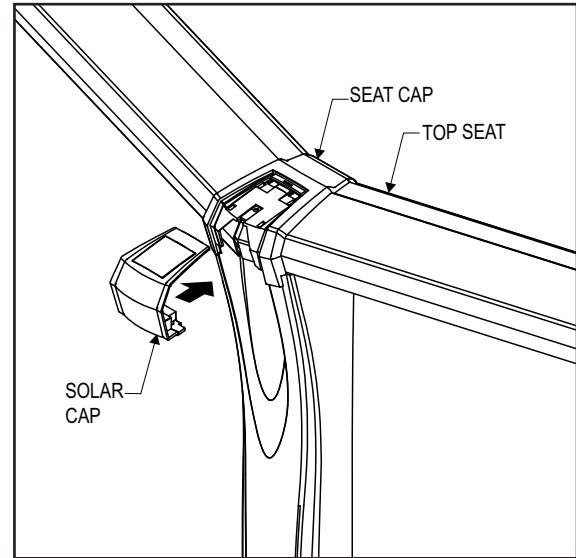
# 14

## SEAT CAP INSTALLATION

Put the seat cap on the inside section of the seat and interlock with the upright. Secure the seat cap with one (1) screw "Z".



Snap the solar cap on top of the seat cap and interlock it on the bottom.



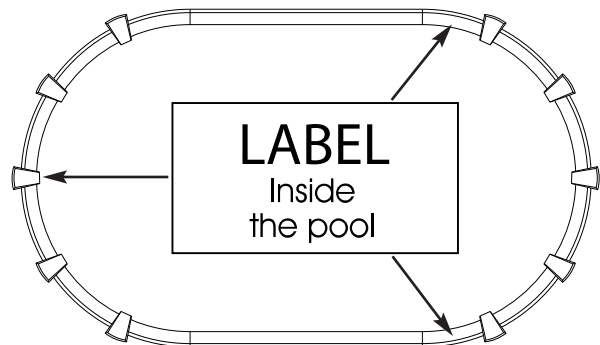
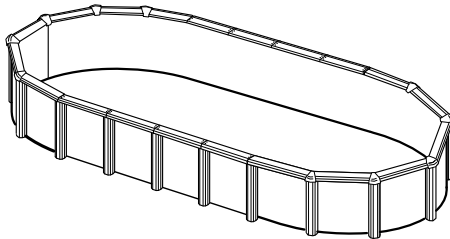
# 15

## SECURITY LABELS INSTALLATION

Install the four (4) safety labels (DANGER) supplied with your pool as follows: two (2) labels visible at the entrance to the pool and two (2) visible at the main access of the backyard.

**Important:** if you require additional labels, please contact us at [Trevipools.com](http://Trevipools.com)

Install a minimum of three (3) safety labels (supplied with the liner) inside the pool so that at least one label is visible no matter where the bather enters the water (see drawing for positioning)



# 16

## FILTRATION SYSTEM ASSEMBLY

Assemble skimmer, inlet, drain, filter, pumps, hoses according to separate manufacturer's instructions.

Note: See 'Safety Information' Manual.

# 17

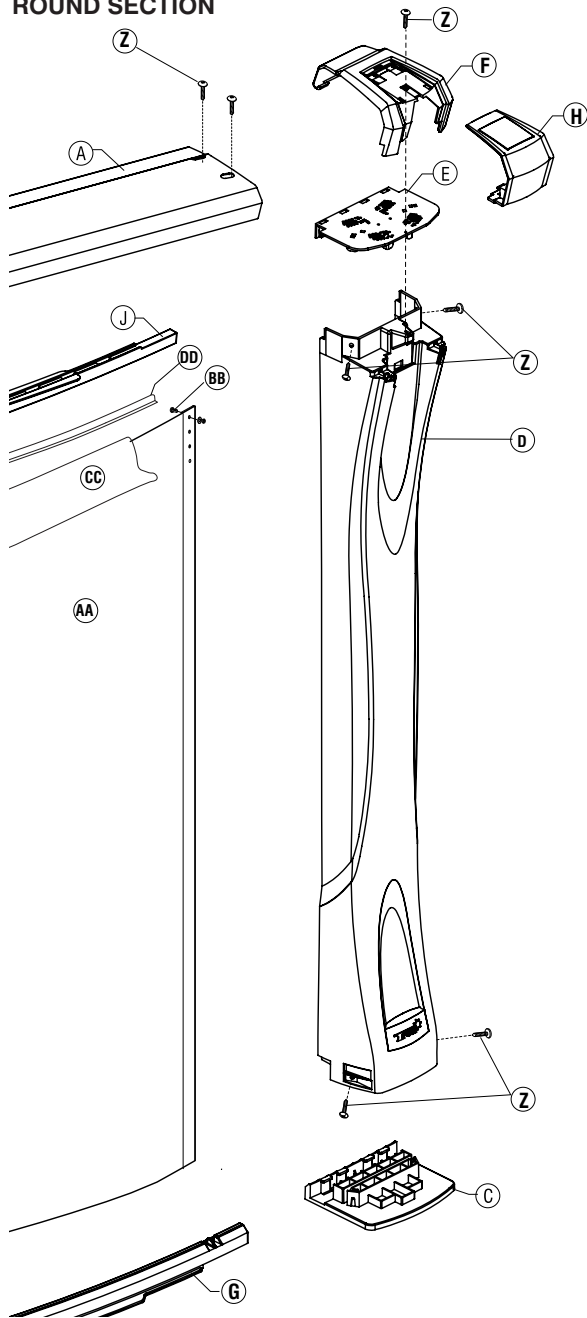
## PARTS LIST

\* SEE DRAWING PARTS NEXT PAGE

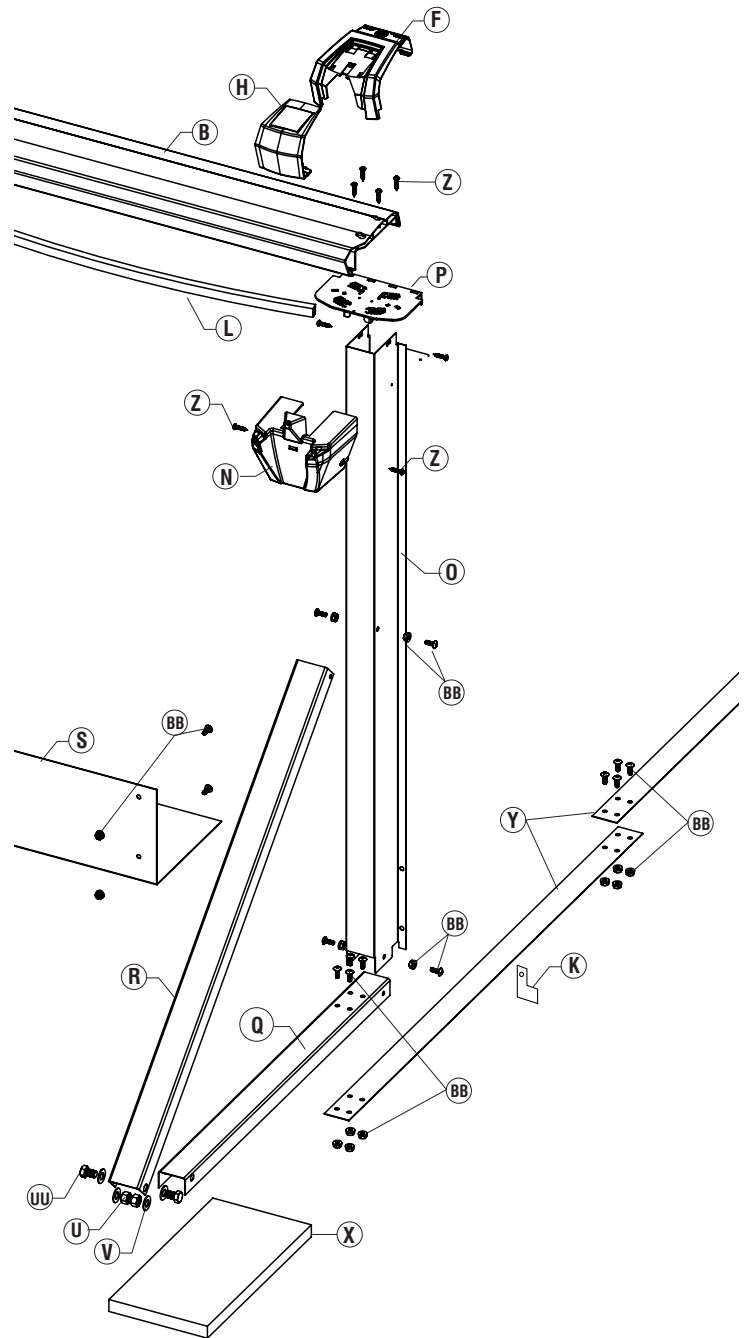
ITEM	DESCRIPTION
AA	POOL WALL (finished length, inch)
BB	BOLT & NUT FOR 52" (OR 54") WALL
CC	POOL LINER
DD	PLASTIC COUPLER (SOLD SEPARATELY)
A	TOP SEAT - ROUND SECTION
B	TOP SEAT- STRAIGHT SECTION
C	BOTTOM PLATE
D	UPRIGHT 52" or UPRIGHT 54"
E	TOP PLATE - ROUND SECTION
F	SEAT CAP
G	BOTTOM TRACK - ROUND SECTION
H	SOLAR CAP
J	TOP TRACK - ROUND SECTION
<b>BUTTRESS ASSEMBLY</b>	
K	TRACK FASTENER
L	TOP TRACK - STRAIGHT SECTION
N	SEAT CAP EXTENSION - STRAIGHT SECTION
O	BUTTRESS POST
P	TOP PLATE - STRAIGHT SECTION
Q	BOTTOM BRACE
R	ANGLE BRACE
S	BEARING PLATE
U	BOLT 1/2" X 1" (12.7 mm X 25.4 mm)
UU	NUT 1/2" (12,7 mm)
V	WASHER 1/2" (12,7 mm)
X	PATIO BLOCK
Y	TENSION STRAP
BB	1/4" #20 X 5/8" (6,35 mm X 15,88 mm) SCREW & FLANGE NUT
Z	STANDARD SCREW (SCREW #14 , 1" LENGTH)

**NOTE: Please confirm quantities with checklist included in each box.**

## ROUND SECTION



## STRAIGHT SECTION



**BB**

**Z**

**UU**

**V**

**U**

