Modular Pools
Assembly Manual
#14437
Issue Date: 16/9/2020

Thank you for purchasing a Driclad Pool. The model you have purchased is indicated as below. Please refer to this model size throughout the installation Manual.

Shape	Model	Item #	Length x Width	Height	Volume Approx Litres	✓	Shape	Model	Item #	Length x Width	Height	Volume Approx Litres	✓
Oval	1410	13862	3.99M X 2.85M	1.32M	10,900		Round	12RND	13548	3.66M Round	1.32M	12,000	
	1810	13863	5.13M X 2.85M	1.32M	14,700			15RND	13552	4.57M Round	1.32M	18,700	
	2210	13864	6.27M X 2.85M	1.32M	18,300			18RND	13902	5.50M Round	1.32M	31,600	
	2610	13865	7.41M X 2.85M	1.32M	21,800								
	3010	14010	8.55M X 2.85M	1.32M	25,700								
	1612	13549	4.80M X 3.66M	1.32M	16,700		Oval Deep End	2412DE	13555	7.08M X3.66M	1.32M to 1.8M	28,000	
	2012	13550	5.94M X 3.66M	1.32M	21,500			2812DE	13882	8.22M X 3.66M	1.32M to 1.8M	34,800	
	2412	13551	7.08M X 3.66M	1.32M	26,250			2715DE	13556	7.99M X 4.57M	1.32M to 1.8M	40,000	
	2812	13865	8.22M X 3.66M	1.32M	32,200			3015DE	13883	9.13M X 4.57M	1.32M to 1.8M	46,700	
	2315	13553	6.85M X 4.57M	1.32M	30,600			3415DE	13884	10.27M X 4.57M	1.32M to 1.8M	52,600	
	2715	13554	7.99M X 4.57M	1.32M	36,500			3815DE	14231	11.41M X 4.57M	1.32M to 1.8M	60,000	
	3015	13866	9.13M X 4.57M	1.32M	42,500								
	3415	13867	10.27M X 4.57M	1.32M	48,400								
	3815	14242	11.41M X 4.57M	1.32M	54,400								

Installation Video: YouTube https://youtu.be/jHF7g2mZ-Ps

Registration Code:

Version 1.2

INDEX

CUSTOMER LETTER

Dear Customer,

Congratulations! You are now the owner of a premium quality resin & steel above ground swimming pool. These instructions will help you correctly install your modular pool. Read them carefully and make sure you understand them before you proceed with installation.

Bearing capacity of ground under pool is to be a minimum 80kPa. You should seek a qualified expert to confirm the suitability of the supporting material. Unstable soil may result in the pool moving and not remaining level.

Before commencing the installation of your pool, ensure that you have compiled with all regulatory standards, requirements and obtained the necessary council permits.

Installation requires a **minimum of 2 people** and the amount of time varies according to the size of your pool. However it generally, takes about 8 hours for a pool to be assembled (not including the time required to prepare the site and fill up the pool).

We suggest installing your pool on a sunny and windless day. Please refer to your liner supplier instruction manual for fitting of your pool liner.

POOL CARE
Before starting to use your pool, it is important to understand pool and water maintenance.

Never leave your pool empty as it can result in severe damage to your pool liner. Detailed instructions on pool care are found in this manual. If you need assistance with maintaining your pool, contact your dealer/store to arrange a visit from an onsite pool technician.

Failure to adhere to instructions, concerning maintenance, safety, assembly, start-up and use could pose serious health risks, especially to children. Your pool is designed to provide years of enjoyment, as long as it is carefully and correctly installed and maintained. Read and make sure you understand the instructions before you start. Work step by step, and take your time.

Never dive or jump into a modular pool and never walk or sit on the top deck as it is very dangerous and serious injuries may occur.

If you encounter any problems during installation or if you require additional information, please contact the retailer you purchased your pool through.

Happy Swimming!

SAFETY FIRST

NEVER UNDER ANY CIRCUMSTANCES stand, walk or sit on the top decks. Any fall could result in spinal or neck injuries and/or possible drowning. Always enter the pool via the step entry system or ladder provided with your pool. Do not jump or dive.

ALWAYS MAKE SURE THAT CHILDREN ARE SUPERVISED whilst in the pool area and make sure that pool fencing and gates meet all safety regulations. Check with your local council for all pool and fencing regulations.

ALWAYS FOLLOW THE INSTRUCTIONS contained in this manual. Incorrect installation can lead to product failure and void warranty. Please respect that your pool can hold many tonnes of water.

ALWAYS KEEP ELECTRICAL HAZARDS AWAY FROM POOL AREA.

NEVER INSTALL YOUR POOL WALL IN WINDY CONDITIONS.

NEVER LIFT WALL CARTONS OR LARGE POOL CARTONS by yourself. These cartons require two people to move in conjunction with a suitable trolley. Remember, lift with your knees bent and not with your back!

KEEP POOL CHEMICALS OUT OF REACH OF CHILDREN, follow manufacturers handling and safety instructions at all times

INTRODUCTION

IMPORTANT POINTS

REGULATORY REQUIREMENTS

When installing a new pool, you must comply with your local fencing and safety regulations and all relevant codes. As these regulations vary from council to council it is recommended that you check with your local council what the requirements for your site before installation.

COMPLYING WITH LOCAL REGULATIONS AND ALL RELEVANT CODES ARE YOUR RESPONSIBILITY.

CONTRACT INSTALLATIONS

Proper installation procedures are essential to ensure that the best performance and durability of our pools in service. This pool is designed for DIY installation by following our comprehensive instructions. Read all of the instructions supplied and ensure you are experienced and have confidence in your ability to execute this installation prior to starting. If you reasonably consider this task too difficult it is recommended you engage a suitably qualified professional to complete this installation.

The Retailer or Driclad Pool Technology have no affiliation with any pool installers and we cannot accept any responsibility for problems caused by incorrect installation procedures. It is strongly recommended that you use reputable, licensed and insured professional installers, ensuring that their work complies with instructions contained in this manual. Driclad does not accept responsibility for poor or incorrect pool installations.

BEFORE YOU START

Before attempting pool installation, please make yourself familiar with this manual. Make sure that the instructions relate to the correct pool. Take the time to study the step by step procedures as a little extra time doing so could save complications later on.

It is recommended to start early in the day as it can allow adequate time for installation. The installation process should only be commenced once correct regulatory approvals have been obtained.

Take time, check and recheck.

Check that you have all your parts by referring to the Parts List in this manual. **Do not commence installation without the correct parts present. If in doubt please contact your retailer.**

Ensure that you have all the required tools on hand as well as having suitable help on hand at all times.

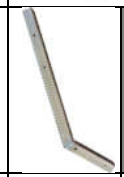
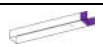
IMPORTANT

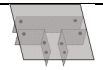
This pool has been designed and engineered (which complies with an approved engineer certificate). Installation of the pool must be completed as shown in this assembly manual. Any deviation from this manual could cause serious injury and void warranty.

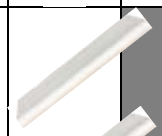
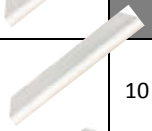
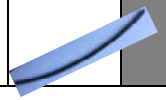
ASSEMBLY REQUIREMENTS

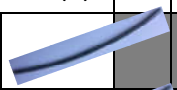
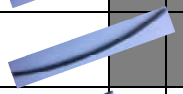
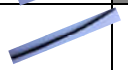
 CEMENT (NON ROUND POOLS)	 COMPACTOR	 1 x DUCT TAPE	 SAND (as per page 27)
 HAMMER	 MEASURING TAPE	 PICK	 STAR PICKETS (quantity same as verticals)
 CORDLESS DRILL	 RAKE	 SHOVEL	 SILICON SEALANT (NON ACID CURE)
 5/16 Hex Driver	 Ground Marking PAINT	 Trowel	
 STEEL PEGS	 STRING LINE	 Spirit Level	
 (optional) WATER FILLER ROLLER	 WATER HOSE	 WATER LEVEL TUBE	
 WHEELBARROW	 WOODEN PLANK/STRAIGHT EDGE 2M X 100MM X 50MM	 2 x ADJUSTABLE SPANNER	

PARTS LIST – All Pool Models

Pool Model:		1410	1810	2210	2610	3010	1612	2012	2412	2812	2315	2715	3015	3415	3815	12RND	15RND	18RND	2412DE	2812DE	2715DE	3015DE	3415DE	3815DE
Pool Shapes:		2.85M Wide Oval					3.66 Wide Oval				4.57M Wide Oval					Round			Oval Deep End 3.66M & 4.57M Wide					
Your Pool Model (X):																								
Supplier Code:		13862	13863	13864	13965	14010	13549	13550	13551	13865	13553	13554	13866	13867	14242	13548	13552	13902	13555	13882	13556	13883	13884	14231
Pool Wall (large Carton)		1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	2
Yellow Flat End Post (10096)		4	6	8	10	12	4	6	8	10	6	8	10	12	14				4	6	4	6	8	10
Turquoise Flat End Post **Square End** (14527)																								
Deep End Post (10097)																			8	8	8	8	8	8
Red Support Channel 1,743 mm Long (13753)		2	3	4	5	6	4	6	8	10	6	8	10	12	14				4	6	4	6	8	10
White Support Channel 1,743mm Long **Square End** (14525)																								
Purple Support Channel 1,582 mm Long (13757)											3	4	5	6	7						2	3	4	5

Pool Model:	1410	1810	2210	2610	3010	1612	2012	2412	2812	2315	2715	3015	3415	3815	12RND	15RND	18RND	2412DE	2812DE	2715DE	3015DE	3415DE	3815DE
Pool Shapes:	2.85M Wide Oval					3.66 Wide Oval				4.57M Wide Oval					Round			Oval Deep End 3.66M & 4.57M Wide					
Your Pool Model (X):																							
Brown Support Channel 953 mm Long (13911) 	2	3	4	5	6																		
Blue Support Channel 672 mm Long (13855) 	2	3	4	5	6	2	3	4	5									2	3				
Black Support Channel 672 mm Long **Square End** (14526) 																							
Square End Corner Template (14436) 																							
Square End Pressure Plate (14304 																							
Channel Bolts Bag (10147) 4 sets Bolt/Washer/Nuts 	2	3	4	5	6	2	3	4	5	3	4	5	6	8				4	5	4	5	6	8
Post Bolts Bag (10148) 4 sets Bolt/Washer/Nuts 	2	3	4	5	6	2	3	4	5	3	4	5	6	6				4	5	4	5	6	6
Orange Channel **Deep End** 1,585mm Long (10104) 																		2	2	2	2	2	2
Pink Channel **Deep End** 1,234mm Long (10103) 																				2	2	2	2
Green Channel **Deep End** 700mm Long (10105) 																		4	4	4	4	4	4
Deep End Channel Bolts Bag (10147)4 sets Bolt/Washer/Nuts 	These are in a separate box with the deep end channels (11267)																	1	1	1	1	1	1
Deep End Post Bolts Bag (10148) 4 sets Bolt/Washer/Nuts 	These are in a separate box with the deep end channels (11267)																	6	6	6	6	6	6

Pool Model:	1410	1810	2210	2610	3010	1612	2012	2412	2812	2315	2715	3015	3415	3815	12RND	15RND	18RND	2412DE	2812DE	2715DE	3015DE	3415DE	3815DE
Pool Shapes:	2.85M Wide Oval					3.66 Wide Oval				4.57M Wide Oval					Round			Oval Deep End 3.66M & 4.57M Wide					
Your Pool Model (X):																							
Wall Joiner Pack (10149) 	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2
2004 Olympic Skimmer Box (11175) 	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Secure Intake (13415) 	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Gasket For Secure Intake (13416) 	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Valve Safety Suction Blue (10131) 	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Secondary Faucet (10132) 	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Resin Uprights (13516) 	10	12	14	16	18	12	14	16	18	16	18	20	22	24	10	12	14	16	18	18	20	22	24
Resin Deck 1190 mm (13517) 						10	10	10	10	12	12	12	12	12	10	12	14	10	10	12	12	12	12
Resin Deck 1130 mm (13515) 	10	12	14	16	18	2	4	6	8	4	6	8	10	12				6	8	6	8	10	12
Resin Corner Deck (14303) 																							
Stainless Steel Connector Plates (13546) 	16	18	20	22	24	20	22	24	26	26	28	30	32	34	20	24	28	24	26	28	30	32	34
Resin Bottom Rails 10” (10121) 		8	8	8	8																		

Pool Model:	1410	1810	2210	2610	3010	1612	2012	2412	2812	2315	2715	3015	3415	3815	12RND	15RND	18RND	2412DE	2812DE	2715DE	3015DE	3415DE	3815DE
Pool Shapes:	2.85M Wide Oval					3.66 Wide Oval				4.57M Wide Oval					Round			Oval Deep End 3.66M & 4.57M Wide					
Your Pool Model (X):																							
Resin Bottom Rails 12” (10122) 						10	10	10	10						10	10	10	10	10				
Resin Bottom Rails 15” (14096) 										12	12	12	12	12						12	12	12	12
Resin Intermediate Bottom Rails (10123) 	10	4	6	8	10	2	4	6	8	4	6	8	10	12		2	4	6	8	6	8	10	12
Resin Corner Bottom Rails (14356) 																							
Special Connector (14045) for connecting intermediate rails (10123) 		6	8	10	12	4	6	8	10	6	8	10	12	14		4	6	8	10	8	10	12	14
Coping Flat Ribbed (10125) For placing over liner 	11	13	15	17	19	13	15	17	19	17	19	21	23	25	11	13	15	17	19	19	21	23	25
Coping Round (10124) Covers Ribbed Flat Coping 	11	13	15	17	19	13	15	17	19	17	19	21	23	25	11	13	15	17	19	19	21	23	25
Resin Cover Plates 	10	12	14	16	18	12	14	16	18	16	18	20	22	24	10	12	14	16	18	18	20	22	24
Resin Cover Plate Plugs (13519) 	10	12	14	16	18	12	14	16	18	16	18	20	22	24	10	12	14	16	18	18	20	22	24
Hex Screw 30mm (14355) For Decks 	88	102	116	130	144	108	122	136	150	142	156	170	184	198	100	120	140	136	150	156	170	184	198
Hex Screw 10Gx32mm (13722) For Cover Plates 	14	18	22	24	28	16	20	22	28	22	26	30	34	38	10	12	14	24	28	26	30	34	38

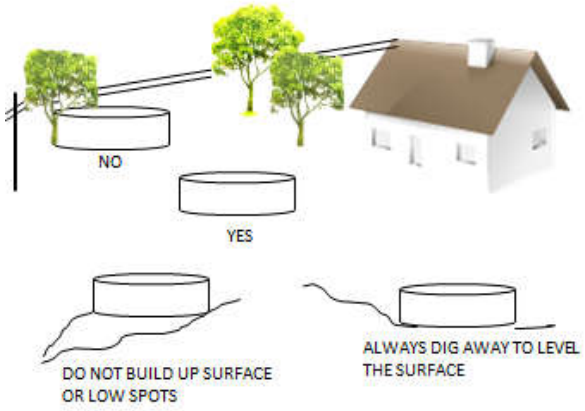
SITE SELECTION

DETERMINE POOL LOCATION

Consider the following before commencing installation;

1. TERRAIN

Look over your property for the most ideal pool location. A large area is best. If you have no flat area large enough for the pool then try to pick a spot where you would have the least amount of digging to do. Do not install in a water drainage, depression or sewer drain field.



2. CONVENIENT ELECTRICAL OUTLETS

Your pump and other accessories will require connection to electricity. If there are no outside electrical outlets, you must have them installed by a qualified electrician. 10amp required for pump and chlorinator.

3. OVERHEAD ELECTRICAL WIRES

The pool should never be placed directly under any overhead power lines for precautionary measures. In some communities this is against the law.

4. UNDERGROUND CABLES – CHECK WITH LOCAL AUTHORITIES!

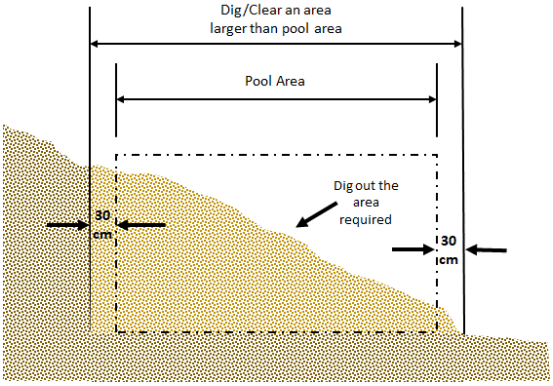
Before you start digging into the ground to level the surface, check with your local council as to the location of any underground lines or pipes.

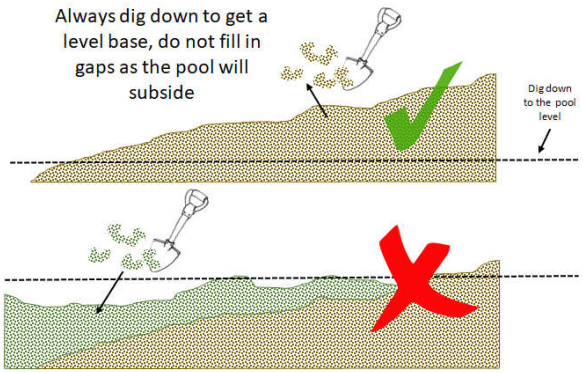
5. TREES

Trees and their occupants are not the best of friends with swimming pools. Falling leaves, branches and sap can be a constant problem in keeping the pool water clean (along with bird droppings and insects). These materials will require cleaning your filter unit more often. The further away from trees, the better for your pool.

CLEAR AREA

Clear the area of anything which may damage the pool including any grass, weeds, stones, asphalt, tree roots etc. Remove and treat any onion weed or nutgrass with a suitable noxious weed killer. **(NOTE: If used refer to weed killer manufacturer's instructions relating to waiting periods before installing your pool, some poisons will adversely affect the liner).** Remove all organic matter as part of site preparation, as these may puncture the pool liner. Roughly level an area allowing at least 30cm extra distance around the pool as shown below. If a sloping area is used, dig away dirt from high side. The area to clear is shown on the pool layout plan. Take note of where the lowest point is and remove soil to this level.

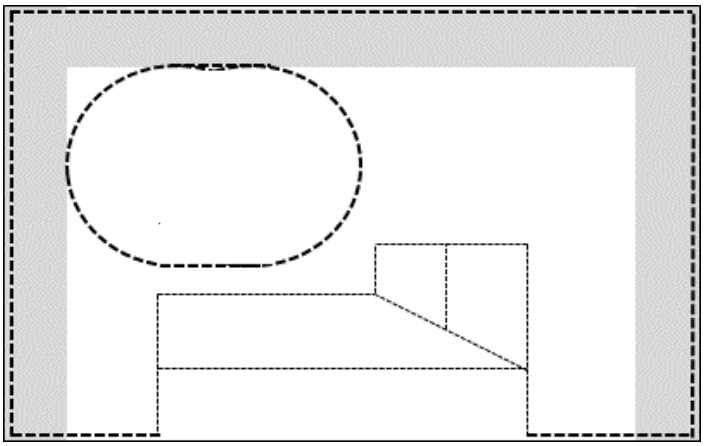




SITE PREPARATION

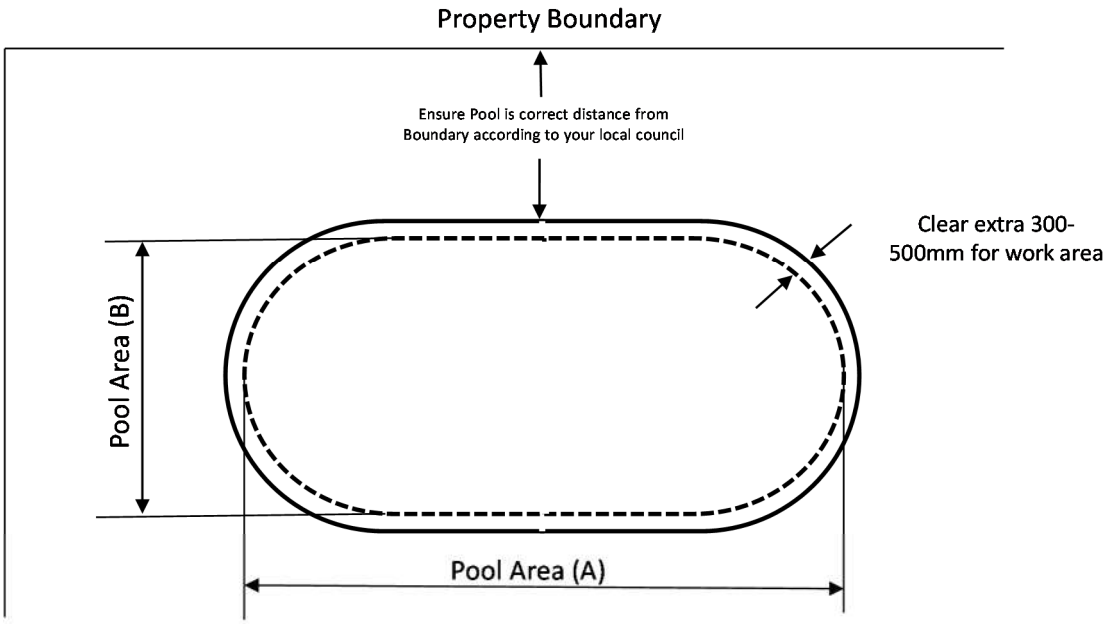
STEP 1. Choosing your site

Once you choose the appropriate site for your pool, make sure you allow for the distance between the pool and property line as required by law in your council zone.



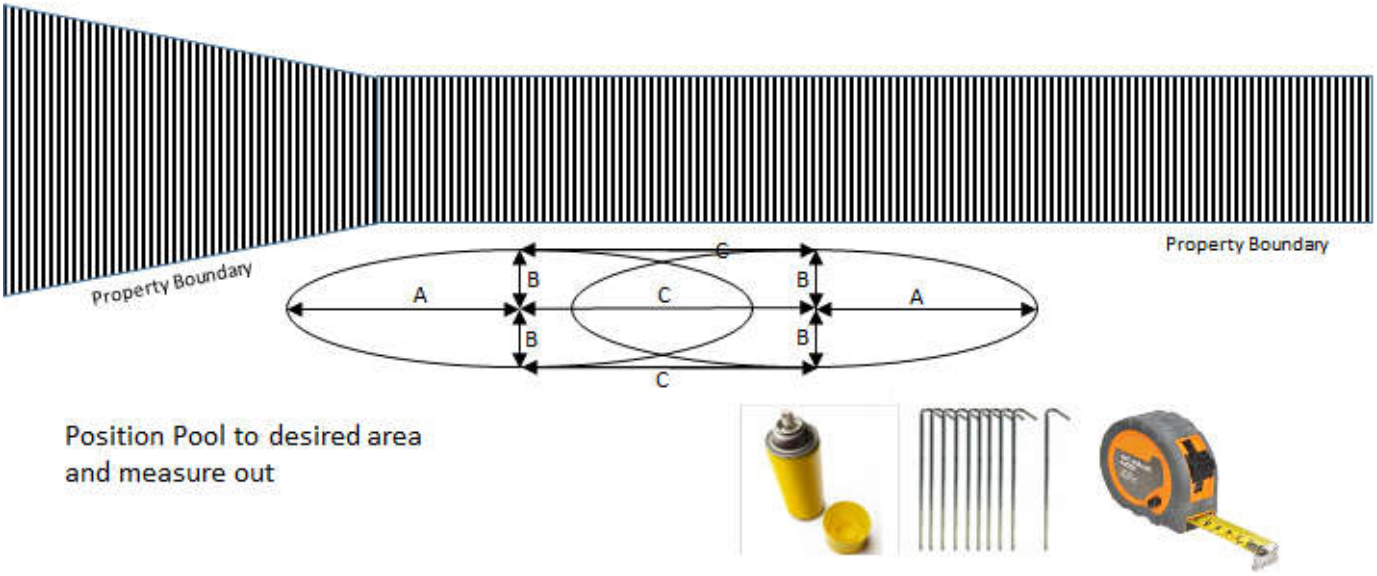
STEP 2. Marking out your site (cont)

Clear a rectangular area of ground where the pool is to be installed. For ease of installation, the area cleared should be 300mm – 500mm larger on all sides than the pool. The table below is a guide for area to be cleared.



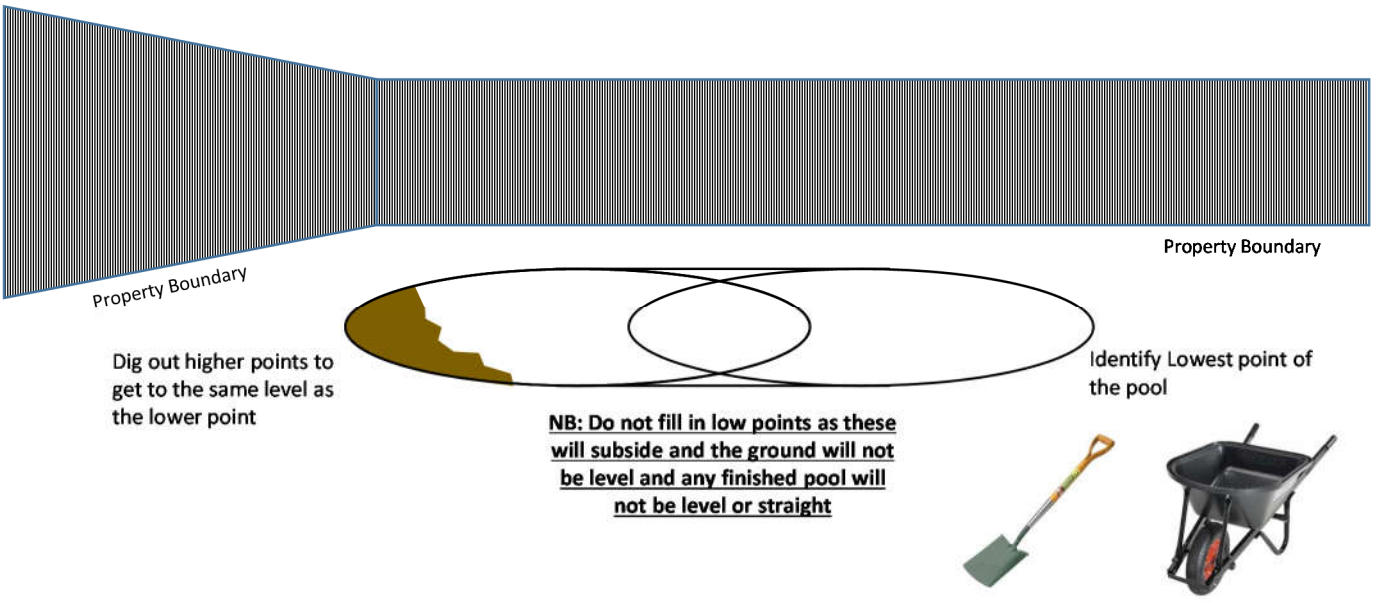
	1410	1810	2210	2610	3010	12RND	1612	2012	2412	2812	15RND	2315	2715	3015	3415
Length (A)	**5m**	**6m**	**7m**	**8m**	**9m**	**4.5m**	**6m**	**7m**	**8m**	**9m**	**5.5m**	**7.5m**	**9m**	**10m**	**11m**
Width (B)	**3.5m**	**3.5m**	**3.5m**	**3.5m**	**3.5m**	**4.5m**	**4.5m**	**4.5m**	**4.5m**	**4.5m**	**5.5m**	**5.5m**	**5.5m**	**5.5m**	**5.5m**

STEP 3. Marking out your site (cont)



Using a steel peg at the centre of each half circle, attach the end of the measuring tape or a string line to the steel peg. Measure out the distance to dimensions A&B. Holding the paint can at dimension A&B, spray the ground as you walk around the peg keeping the measure tight. Once you have marked the ground with a complete circle (you can stop at this point for a round pool), repeat this process using the other peg as the centre point. Paint a straight line touching the edge of each circle parallel to the centreline of the pool (a straight line between the steel pegs is the centre line). Repeat this for the other side and you will have an oval painted.

STEP 4. Clearing your site

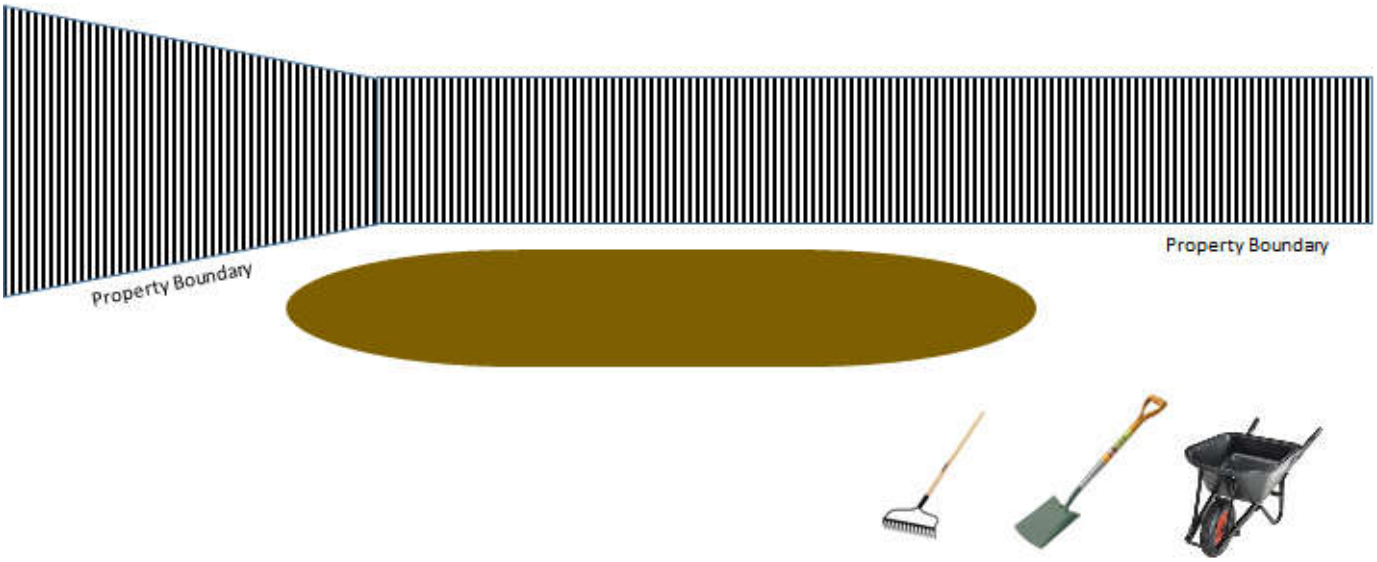


Remove any grass sod and tree roots from the area you have just outlined.

IMPORTANT NOTE:
Some noxious weeds, such as nut grass and onion weed can grow up through the liner material therefore damaging the pool liner. To guard against this we recommend that you treat the area with a suitable weed killer (poison). Please ensure the weed killer you use is a registered product and will not damage the environment, and also that the product will not have any detrimental affects on the vinyl material used in your pool liner.

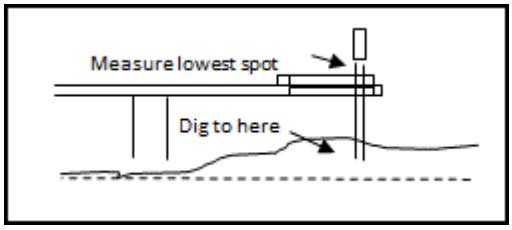
STEP 5. Clearing your site (cont)

Rake out any remaining pebbles or other debris.



STEP 6. Levelling your site

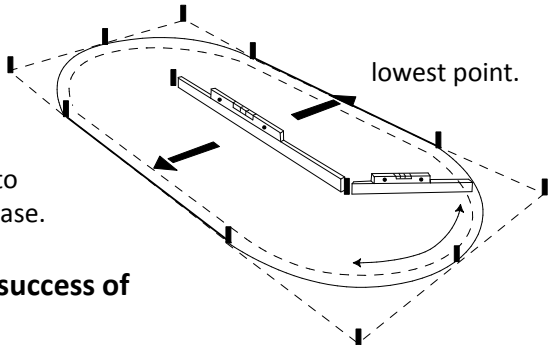
Hint: Attach the spirit level to the straight edge using pvc adhesive tape. Locate the lowest point and level the ground. You should never fill in holes. Level out bumps instead.



LEVEL POOL AREA

Unless you have access to a surveyor's level, the best, most accurate way to level the ground is with a straight plank (100mm x 50mm) and a spirit level (fig 2.).

Find the lowest spot within the pool area and level the ground to the lowest point. Dig away the high areas – do not fill in the low areas.

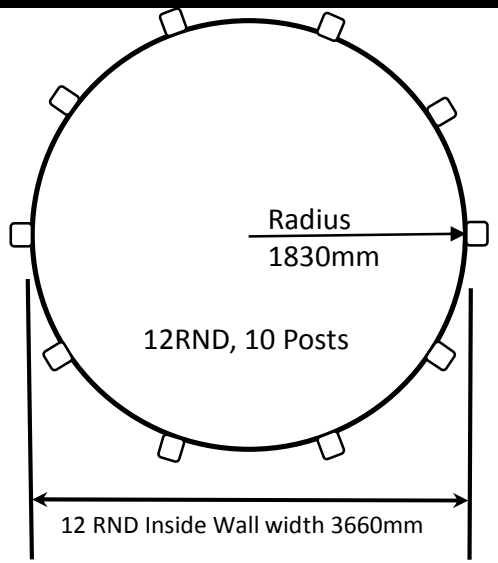


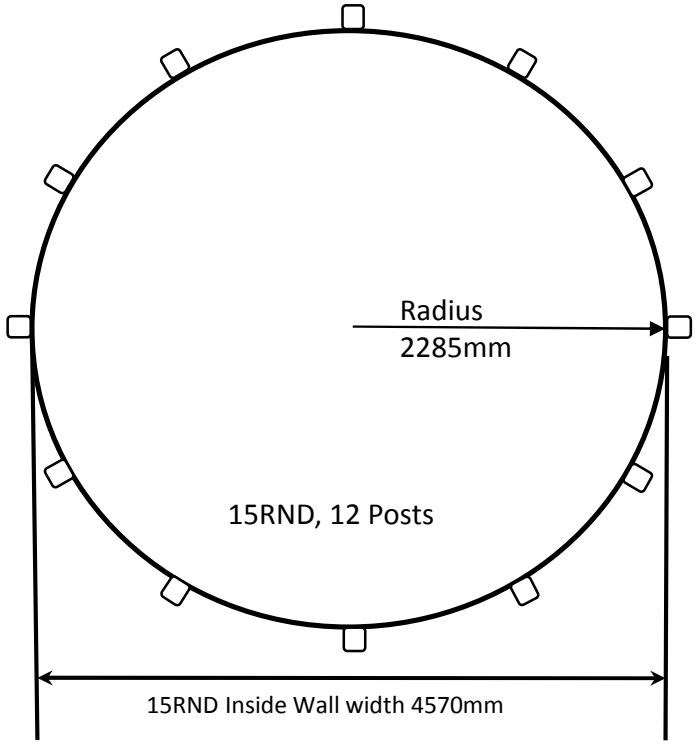
Machine excavated sites are rarely level. It is still necessary to hand trim to ensure a level surface. Note: If not level, the pool wall could buckle or crease.

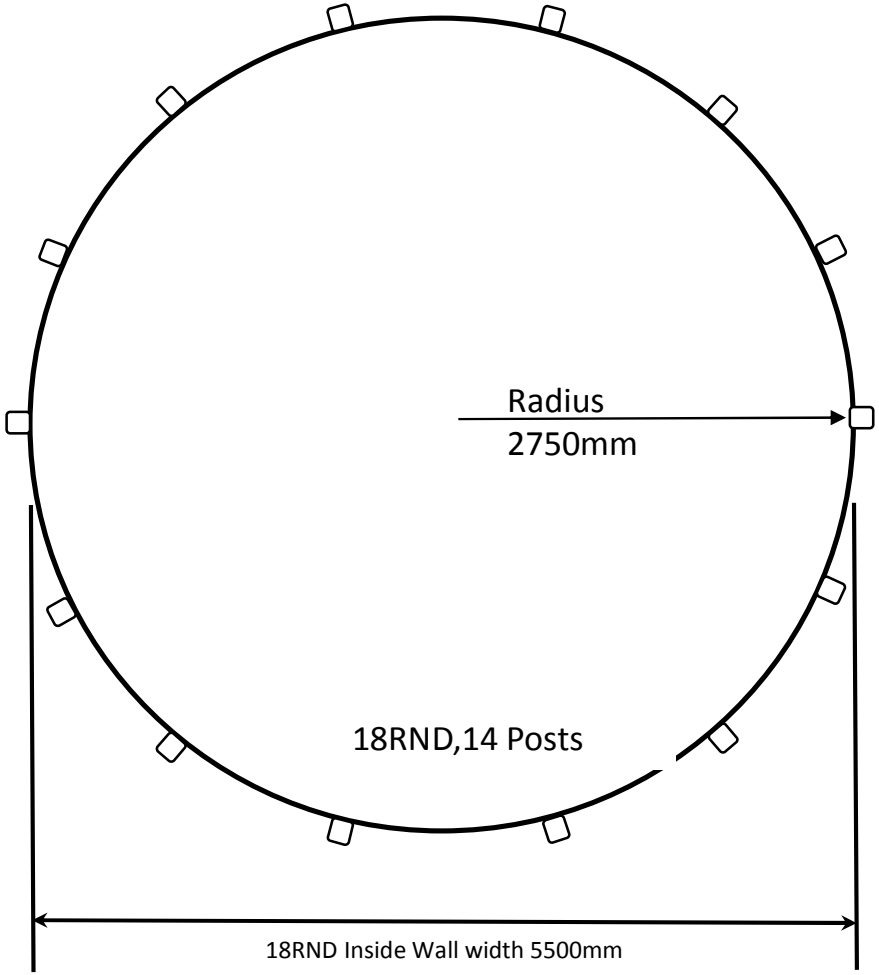
Important note: Recheck the level of the entire pool area. The success of installation depends upon how well this is performed.

Once the site has been cleared and levelled it is time to start assembling the base channels and posts.

ROUND POOL LAYOUT PLANS

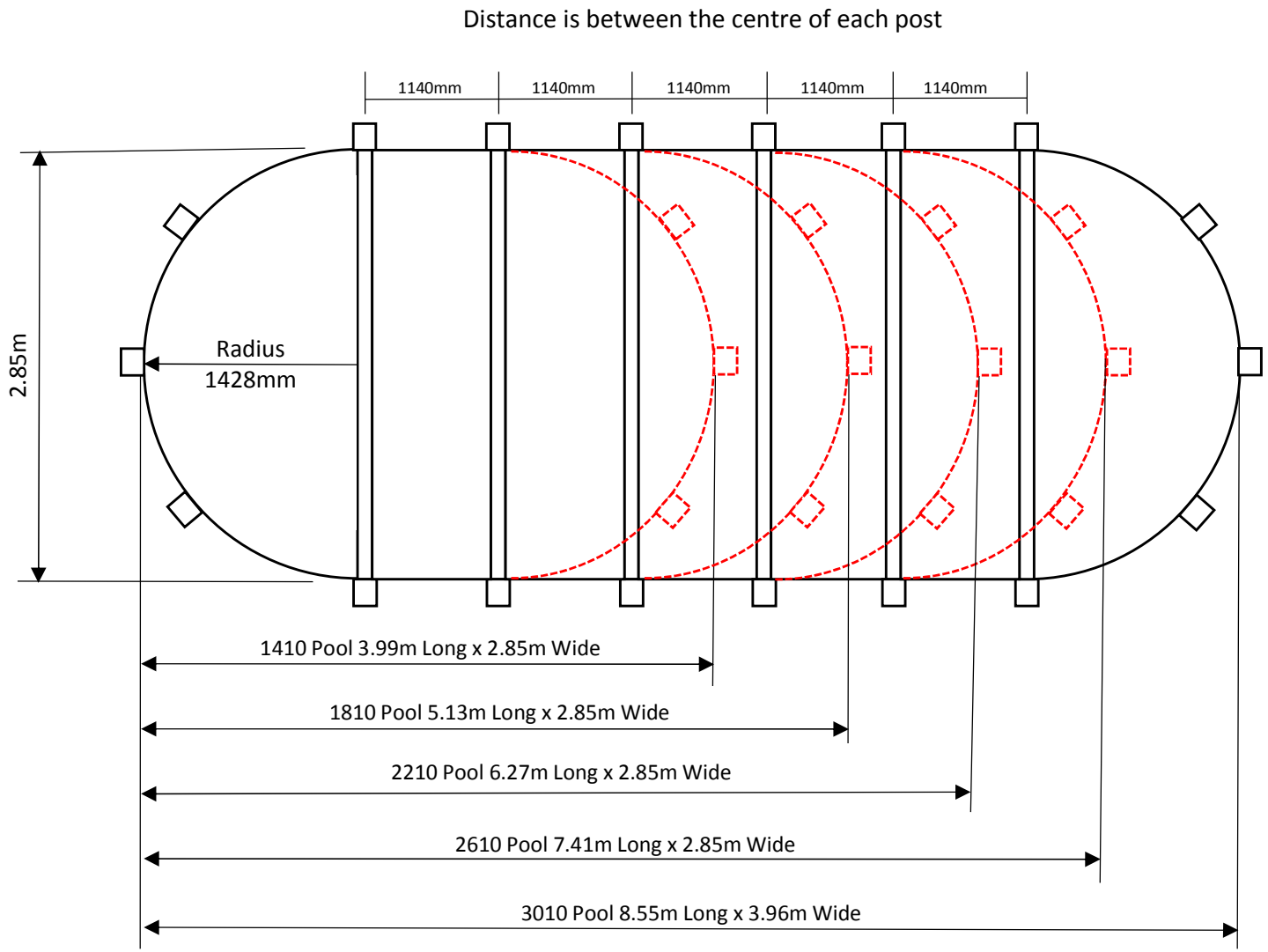






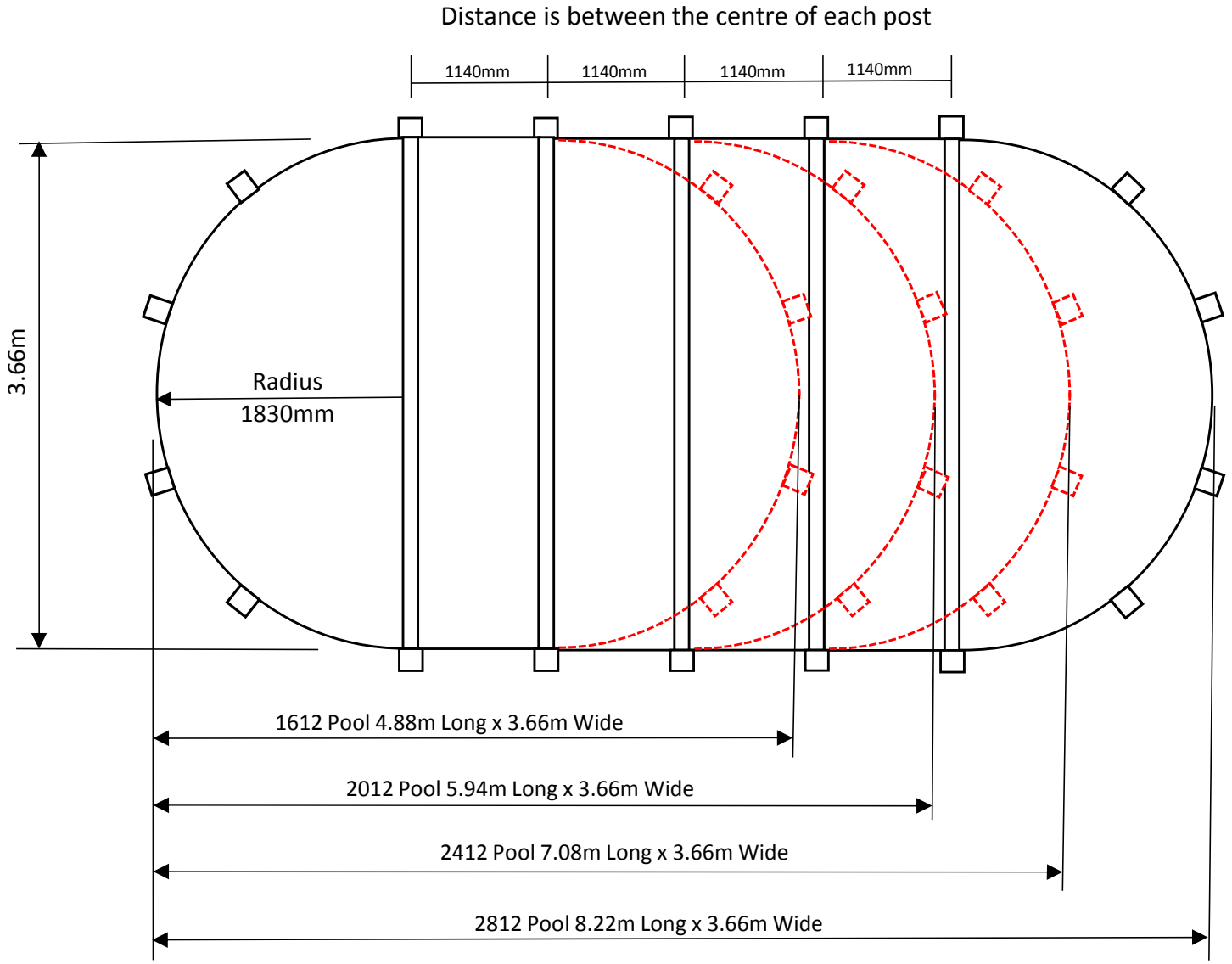
- Measurements are inside the wall/posts.
- Check your purchase documentation to ascertain the correct model and size for your pool.
- Radius is the same at both ends.

2.85M WIDE OVAL POOL LAYOUT PLANS



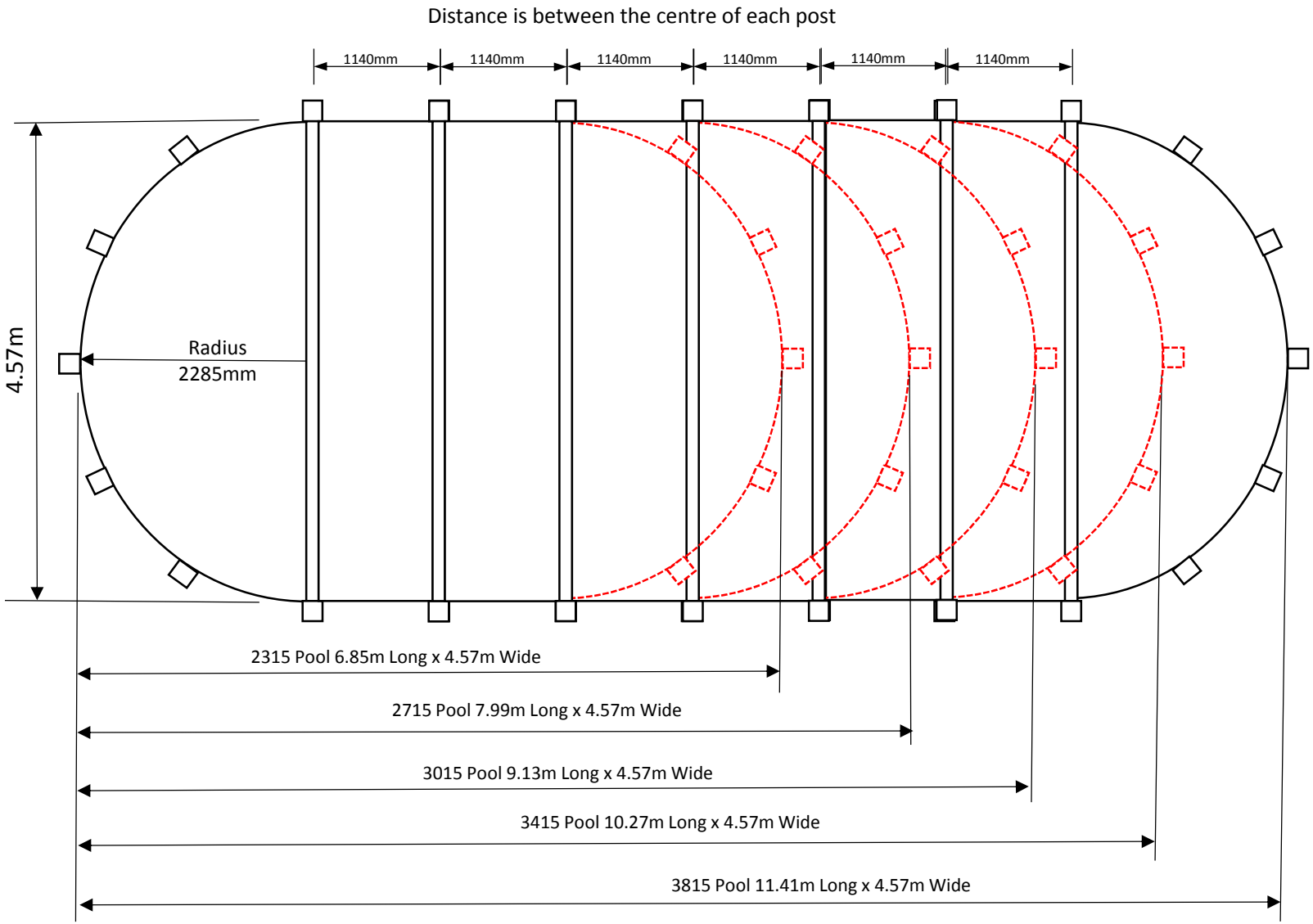
- Measurements are inside the wall/posts.
- Check your purchase documentation to ascertain the correct model and size for your pool.
- Radius is the same at both ends.

3.66m WIDE OVAL POOL LAYOUT PLANS



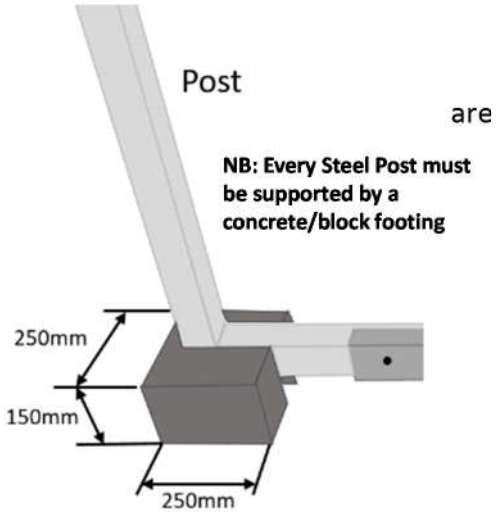
- Measurements are inside the wall/posts.
- Check your purchase documentation to ascertain the correct model and size for your pool.
- Radius is the same at both ends.

4.57M WIDE OVAL POOL LAYOUT PLANS



- Measurements are inside the wall/posts.
- Check your purchase documentation to ascertain the correct model and size for your pool.
- Radius is the same at both ends.

STEP 7. Assembling the frame

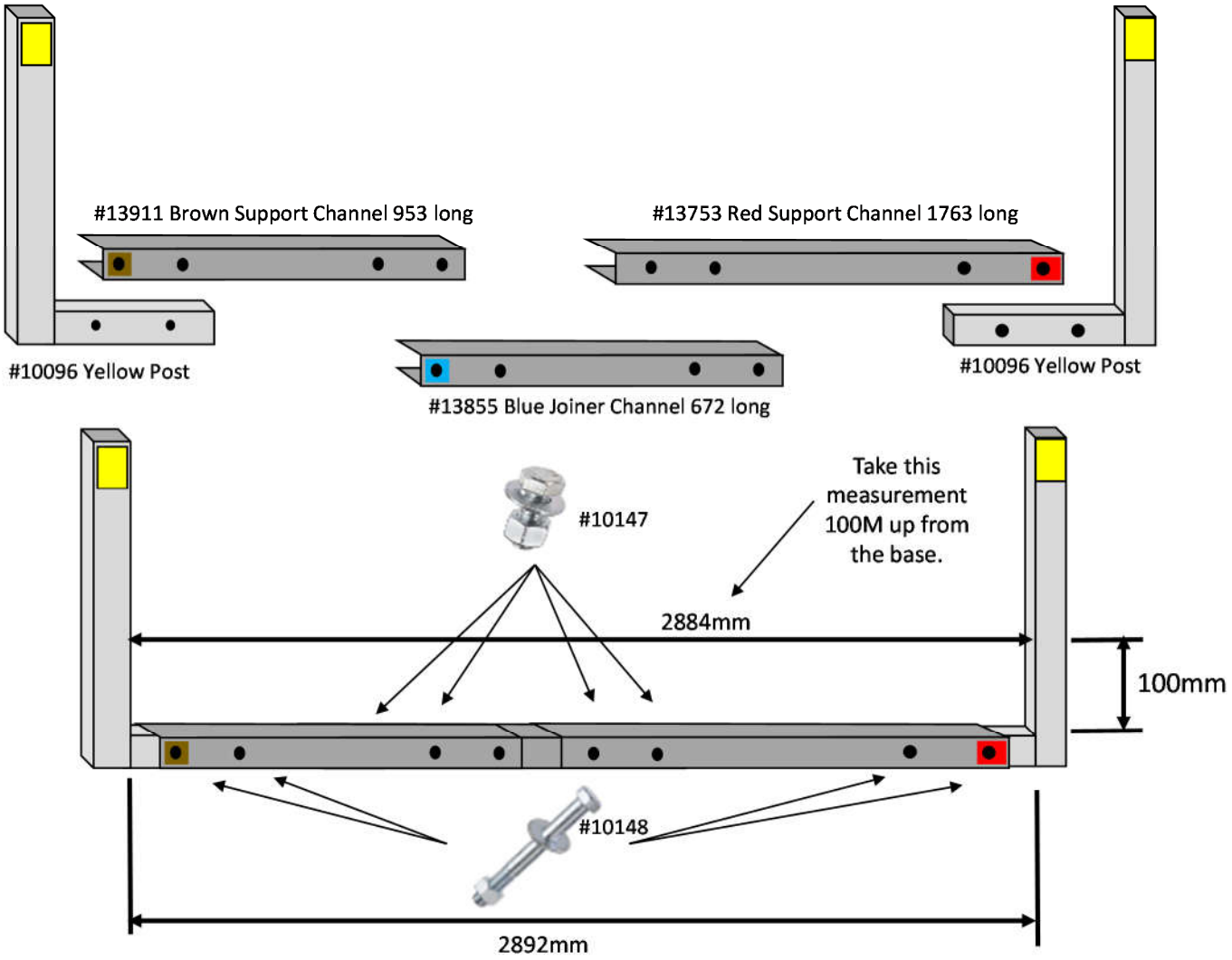


The Joiner Channels are to be attached to the post. The same posts are used for both 2.85m, 3.66m and 4.57m wide pools. The difference is the joiner channels will vary depending on what pool width. The joining configurations are shown below for each pool width.

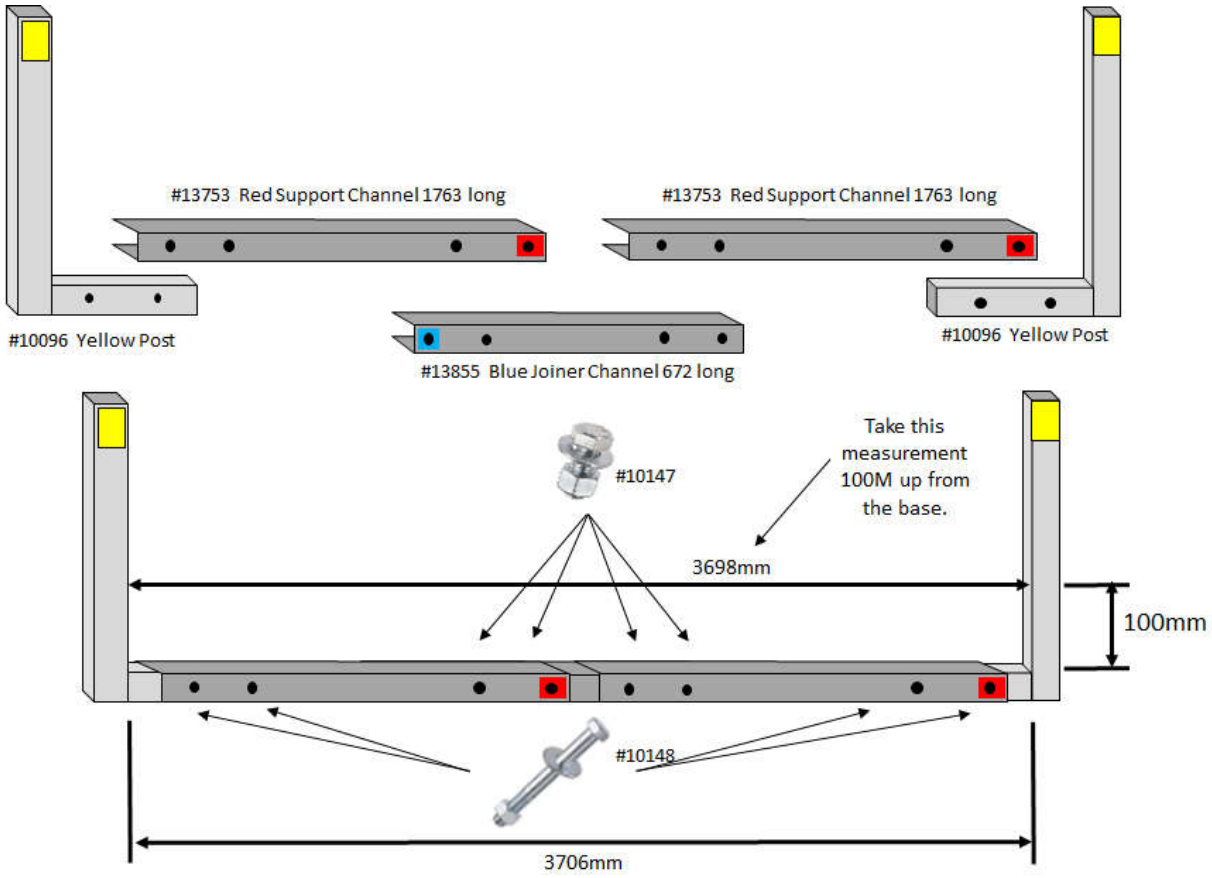
Frame Assembly Referance: The Joiner Channels are to be attached to the Posts. The joining configuration are shown below.

NB: All post must be supported by concrette footing or a solid concrete block footing 250mm x 250mm x 150mm

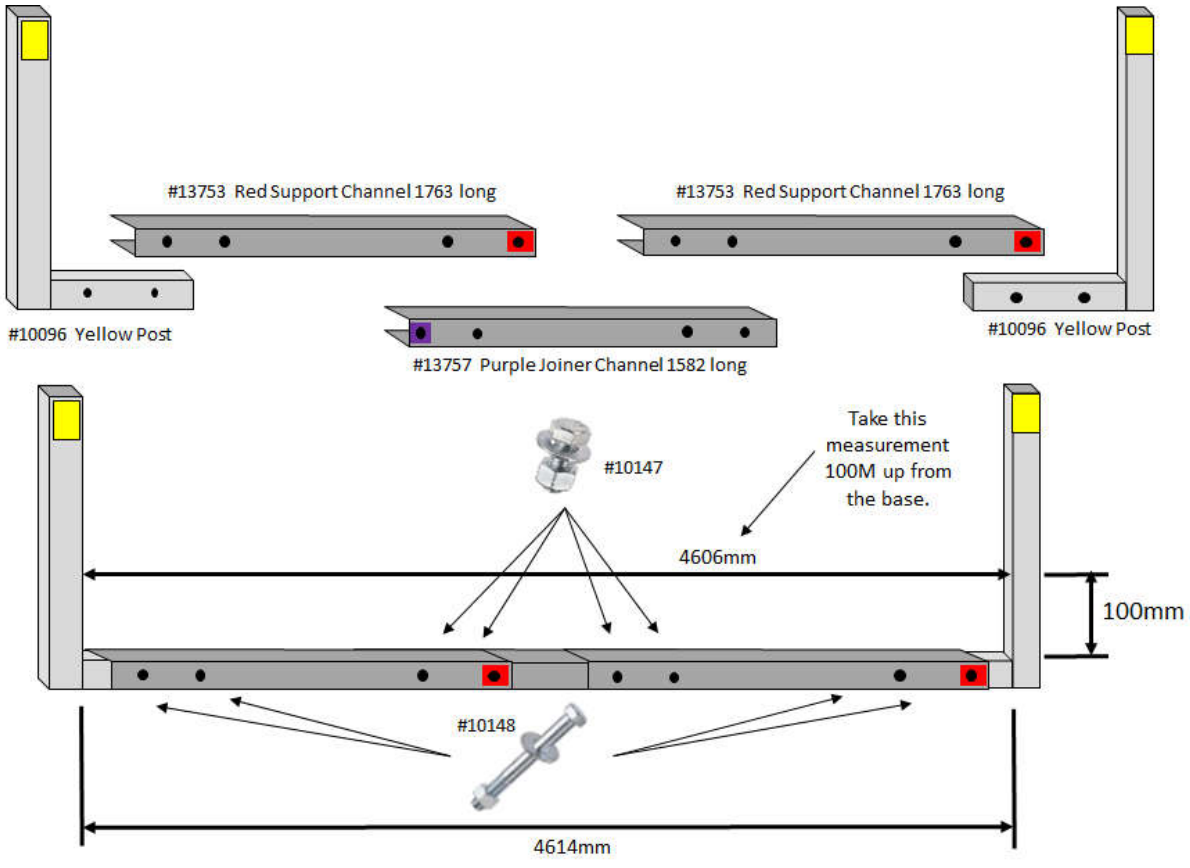
2.85M WIDE POOL CHANELLS



3.66M WIDE POOL CHANELLS



4.57M WIDE POOL CHANELLS



STEP 8. Post and channel assembly

- Place the required components into groups to represent an assembly set as shown above.
- Using the nut and bolts join up the support channels and joiner channel to posts loosly.
- Now check the inside measurement from post to post at 100mm above the bottom inside corner of the Posts to the same on the other post. This should be very close to the dimension on the above diagram. An allowance of 5mm over or under the size is normal
- Make any necessary adjustments by moving posts and channels to obtain correct measurement. Each bolt hole has some clearance around the bolt and stretching out or compressing the assembly will slightly change the measurement.
- **It is imperitive** that the measurements are carefully checked before final tightening of the bolts.
- When correct measurement is obtained check the tops of the posts at the same measurement ensures a visuall improvement.

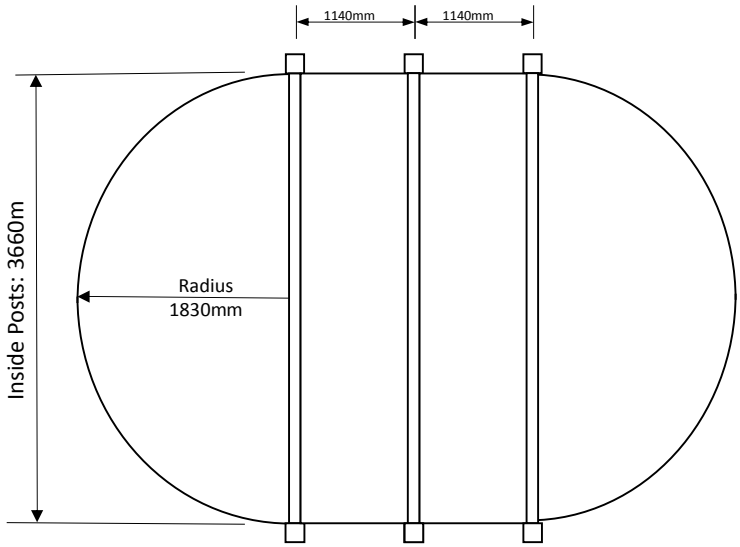
NOTE: As with the previous post assemblies there are some design features you may find useful to know.

- The posts have a slight inward lean to them. This feature allows for the weight of the water to flex the post outward to the vertical when the pool is complete. This is why we caution the measurements be made near the bottom of the posts.
- The assembly bolt holes are oversize to allow adjustment in the width of the frame. Make sure all frame sets have an equal distance when measuring the top of the posts span.
- Have the head of the bolt on the outside of the frame. This helps locating and adjusting the frame set in the trenches you will dig later on during installation.

NOTE: Refer to **Oval Pool Lay Out Plans** for the layout of the pool you have purchased.

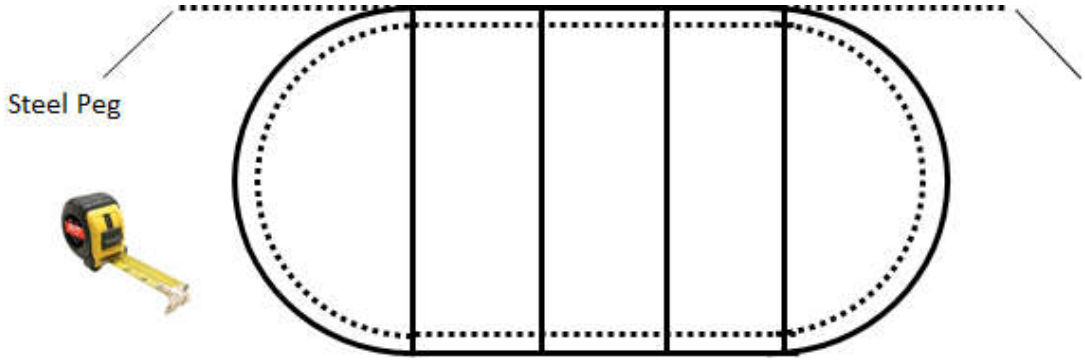
POSITIONING THE CHANNELS

STEP 9. Channel positioning
Place the 2nd and remaining channels at a point 1140mm from the adjacent channel.

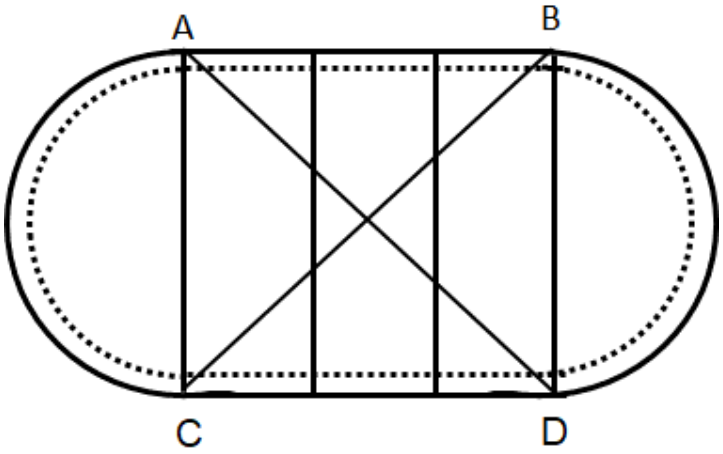


NOTE: 1140mm measurements are taken from the centre of the posts NOT the centre of the channels.
The drawing above refers to a 5.94 x 3.66 pool refer to page 8-13 for the drawings for the other oval pools.

STEP 10. Channel positioning (cont)
To check the alignment of the P.Posts, position string line along the back of the posts approximately 200mm above the ground between two steel pegs. If the posts are not correctly aligned, they need to be tapped back or forward until the back of each post is correctly aligned with the string line.



STEP 11. Channel positioning (cont)
Once the steps have been completed you need to check the diagonal measurements of the pool frame.

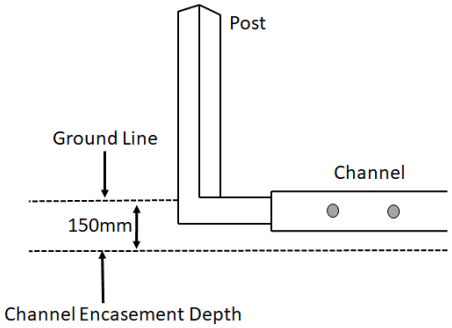


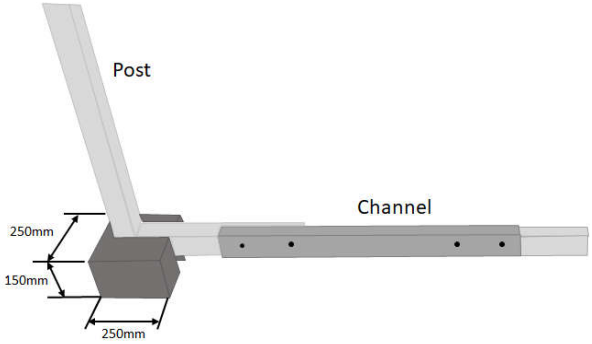
Measure the two intersecting axis to ensure that the two straight sections are parallel.
The measurements of the points A to D and B to C must be equal.

STEP 12. Channel positioning (cont)
When the end channels are in the correct position, spray paint a line on either side of each channel across the pool. This is to mark out the areas to be excavated. When these areas have been marked out, the channels can be removed from the site.

The marked areas should be excavated to a depth of 150mm x 150mm wide across the pool from one side to the other. With a 250L x 250W x 150H excavation at each end for the positioning of either a pre-cast concrete block or a concrete footing.

An alternative to concrete blocks is to pack a strong sand/cement/screenings mix under the corner of the upright post (rapid set pre mix is ideal for this purpose).





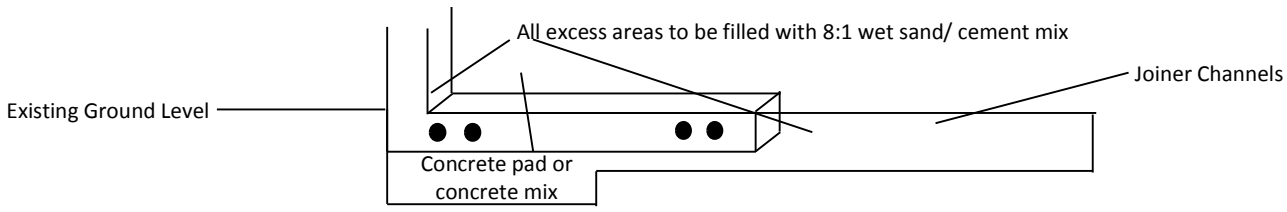
NOTE:

- DO NOT USE HOUSE BRICKS
- Backfill all excavated area with 8 to 1 sand and cement mix.
- The top of the horizontal section of post and the ground should be level.

NOTE: If using cement mix instead of concrete blocks, ensure cement mix is put in place after the channels have been positioned and levelled.

STEP 13. Frame installation
Frames can now be positioned back into the excavated areas. Using the existing string line, ensure the Posts along the side of the pool are perfectly aligned, if not, make the necessary adjustments. Care must be taken to ensure that the posts measure 1140mm between the centres. It is advised to hold the posts into position using steel pegs. Frames should be installed in such a way that no horizontal part of the post is situated higher that the surrounding ground level. It is common for sections of the joining channels to be slightly higher than the horizontal sections of the Posts.

THE LEVELLING OF THE POSTS IS AN IMPORTANT EXERCISE THAT MUST BE DONE PRECISELY AND REPEATEDLY UNTIL CORRECT.



STEP 14. Frame installation (cont)


When all the channels have been positioned and levelled you need to recheck that the back of the Posts are all in line and the diagonal (refer to steps 13 and 14) measurements of the Posts are all correct and equal.

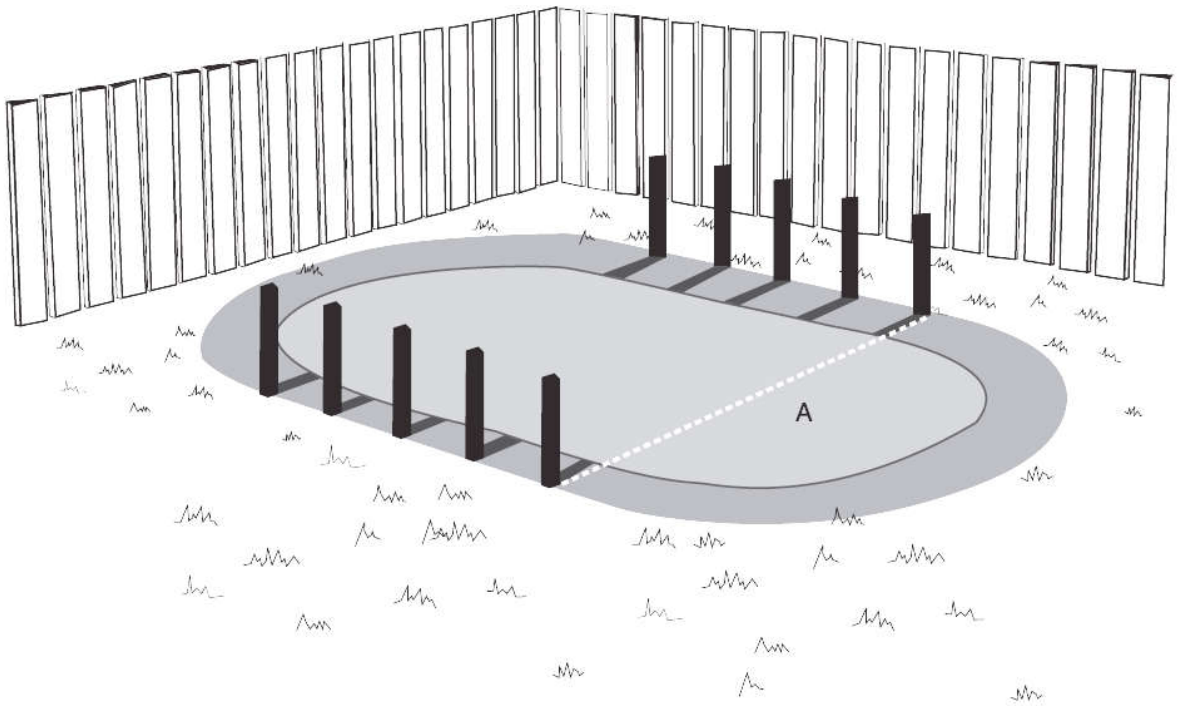
Before proceeding check the measurements for the width of the pool between the inside of the Posts should be as per table below. The width measurements (A or X) can have a variance of plus or minus 5mm.

If all of the measurements and levels are correct you can now proceed with the backfill of the channels across the pool and cement mix at the end of the channels.

When positioning the Posts for your Resin Pool, it is important that the posts are supported and retained in a perpendicular position while the excavation is being packed.

A simple and effective way to achieve this is to drive a star picket into the ground at the rear of the Post, then temporarily attach the Post to the star picket with some duct tape. This will hold the post vertical while the cement and backfill is put into place.

NOTE: Top of the horizontal Posts and ground should be level.



Backfill all excavated area with 8 to 1 sand and cement mix.

Model Size	10FT OVAL	12FT OVAL	15FT OVAL
Distance A at approx. 100mm above the channel system	2.884 m	3.698 m	4.606 m

CHANNELS SET AND MEASURED

CHANNELS SET WITH SAND AND CEMENT

3.66 M Wide DEEP END EXCAVATION PLANS

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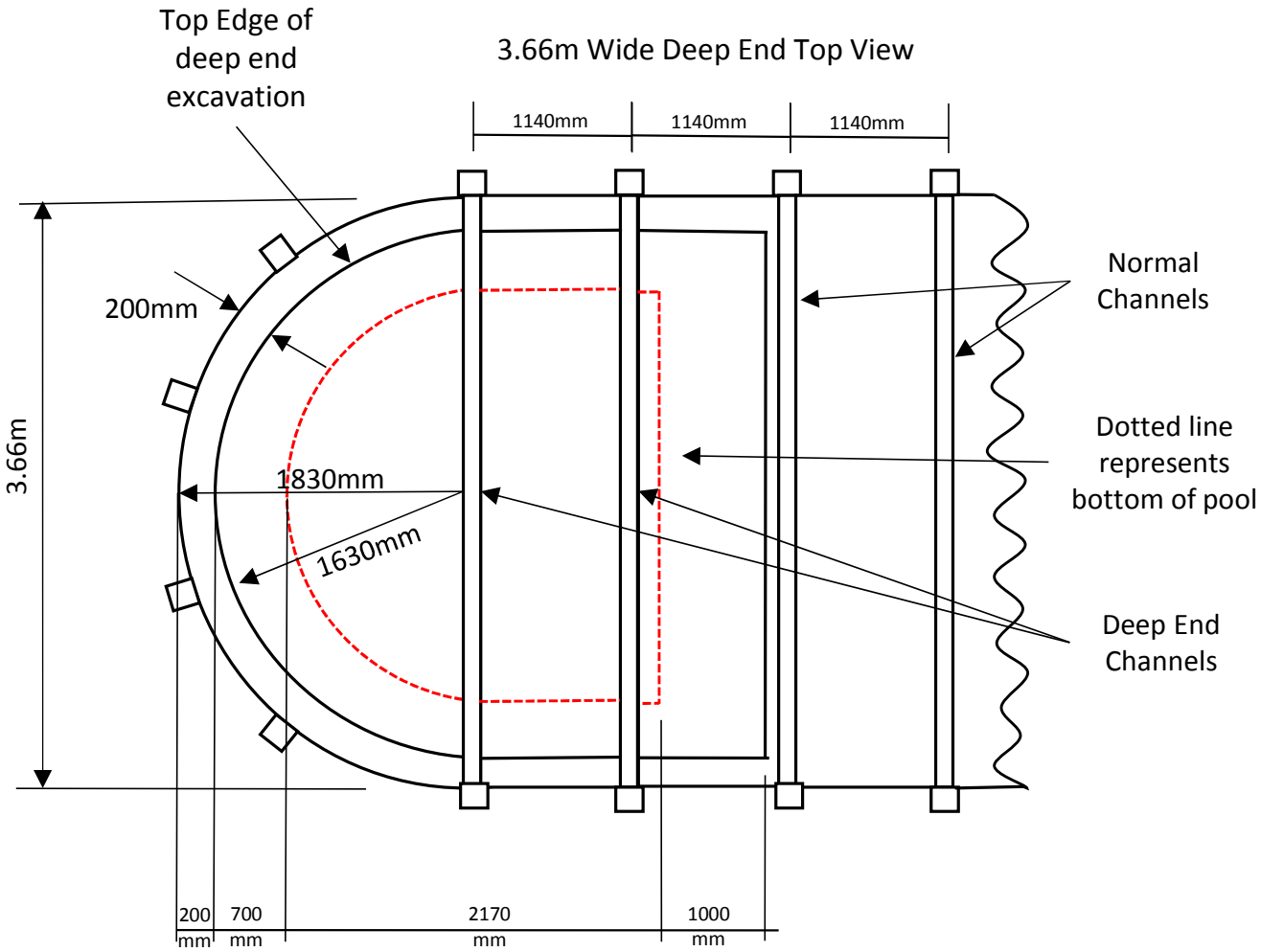

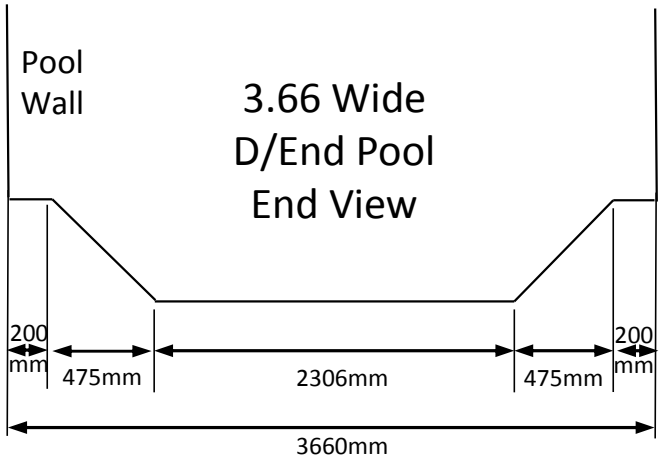

EXCAVATIONS

All layout measurements and component assembly methods for both deep end and standard oval pools are shown in this manual.
The installation of a deep end pool involves a few more steps regarding site excavation. Site excavation plans and measurements relevant to each model are shown below.

DIAL 1100 BEFORE YOU DIG

Make sure even after any Council approvals that there are no pipes or cables in the excavation area. Although, shown here in very sharp, straight lines the finished preparation of compacted sand would desirably soften the changes of angle as gradually and smoothly as possible, this reduces the chance of wrinkling in the liner.

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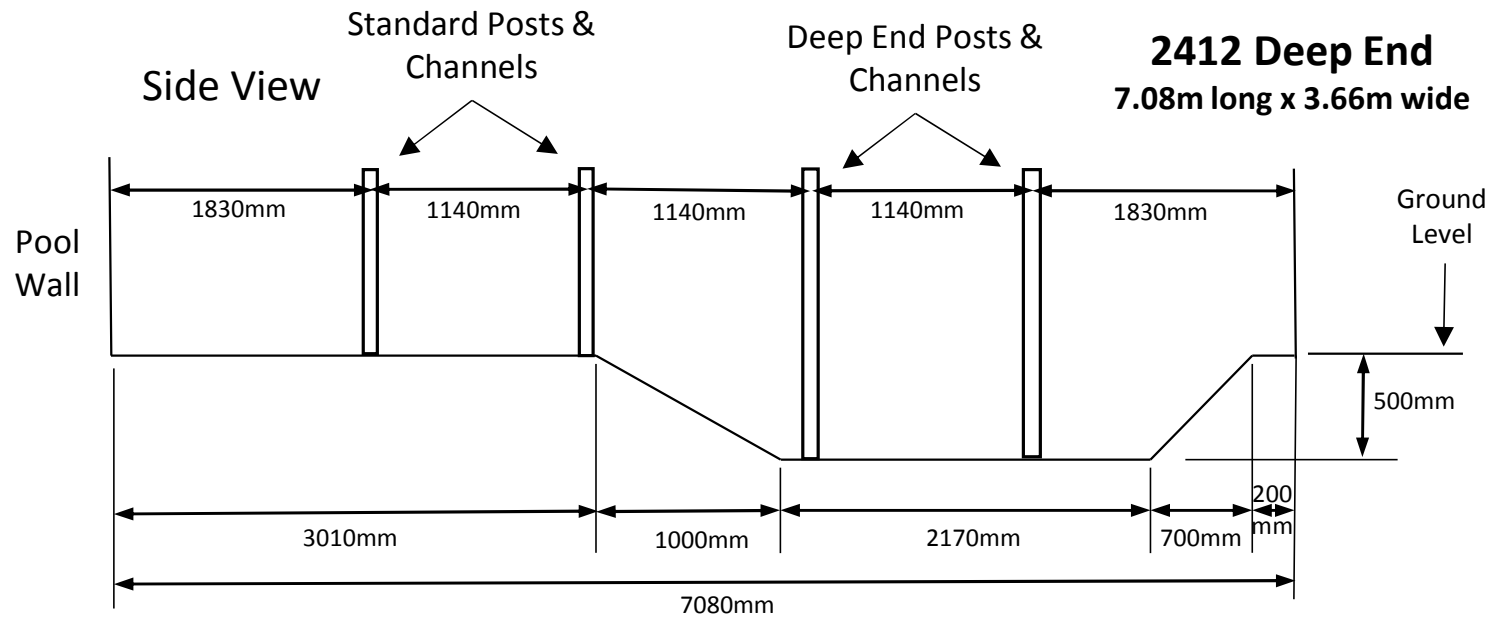
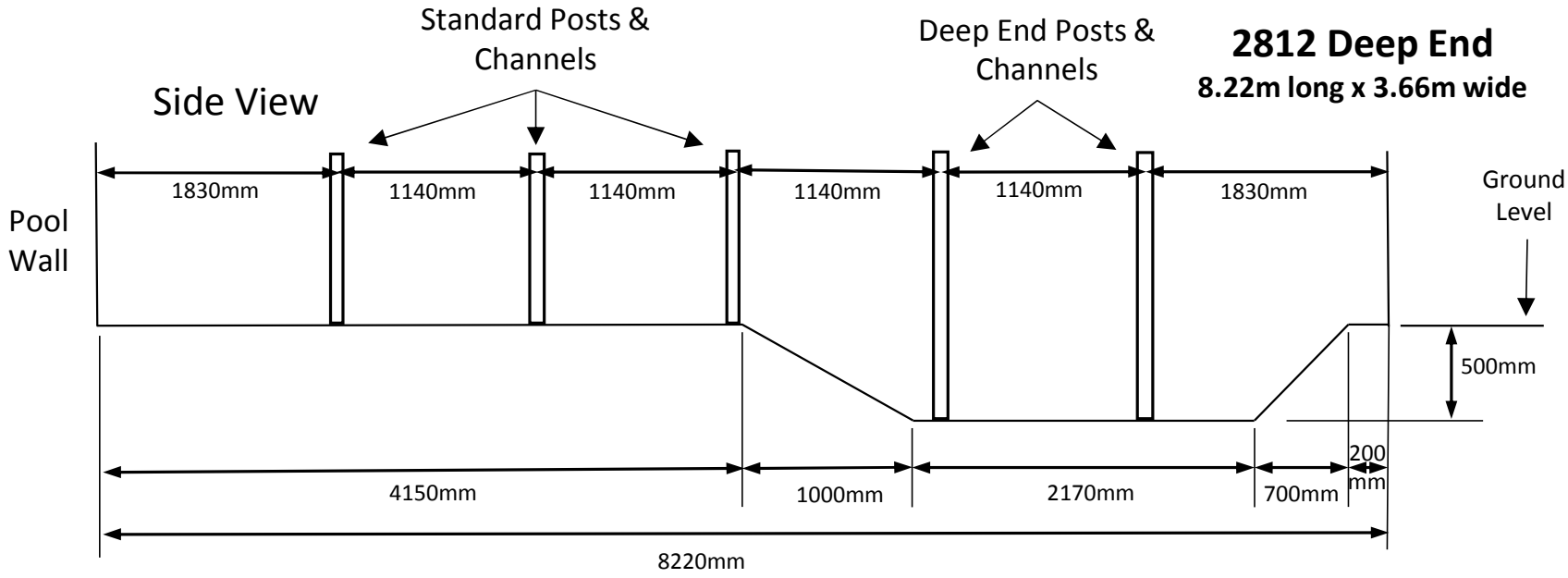
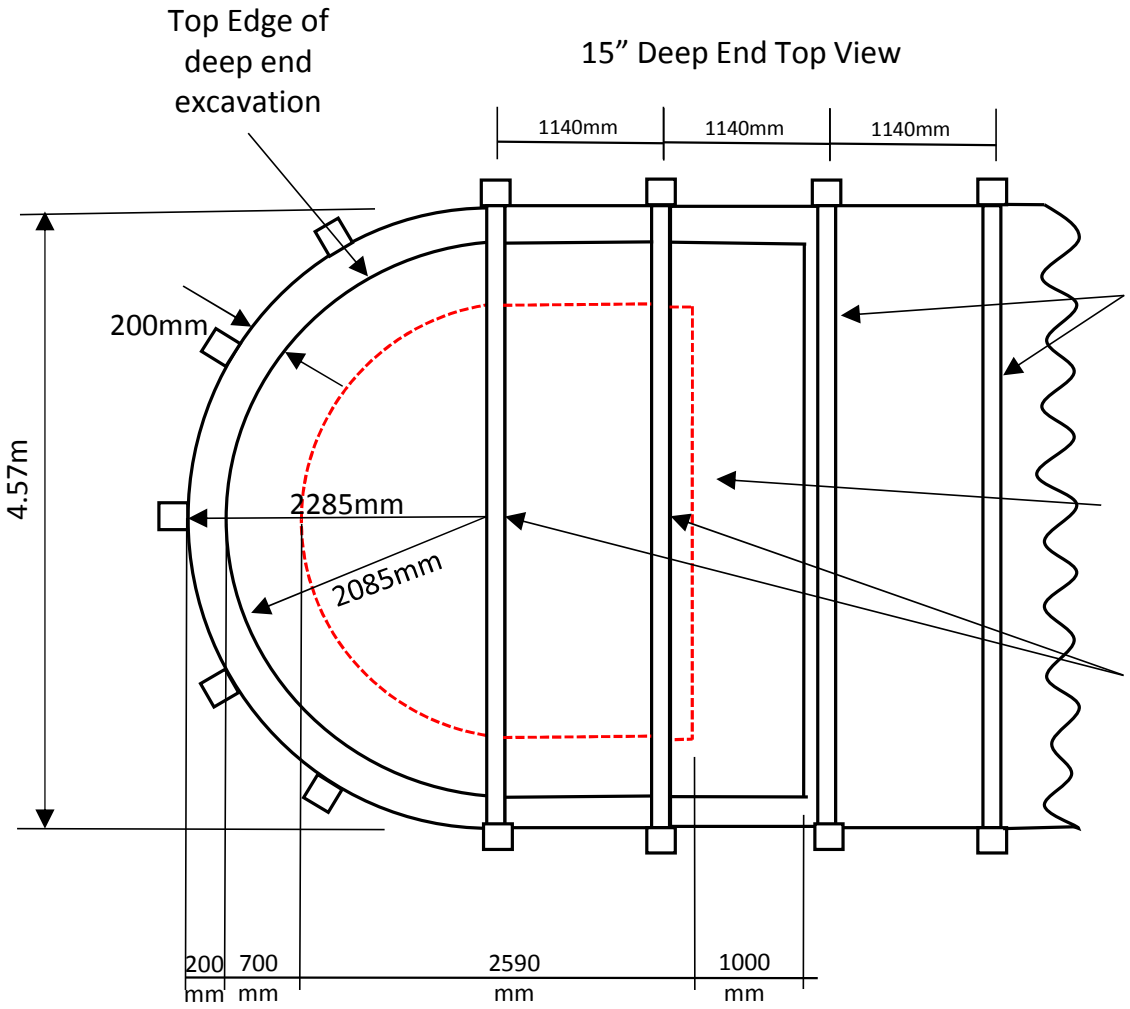
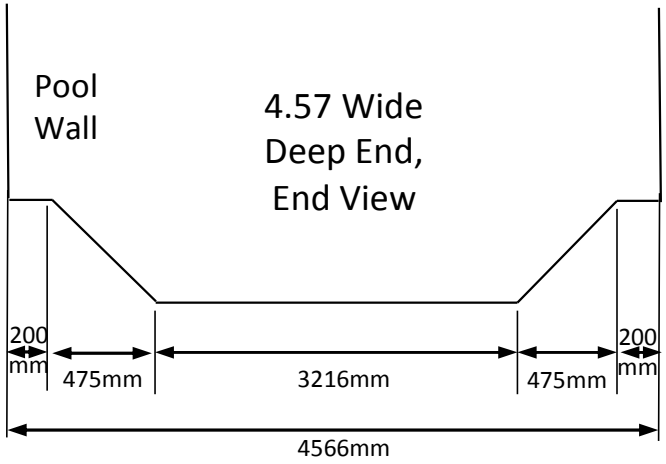




4.77M Wide DEEP END EXCAVATION PLANS





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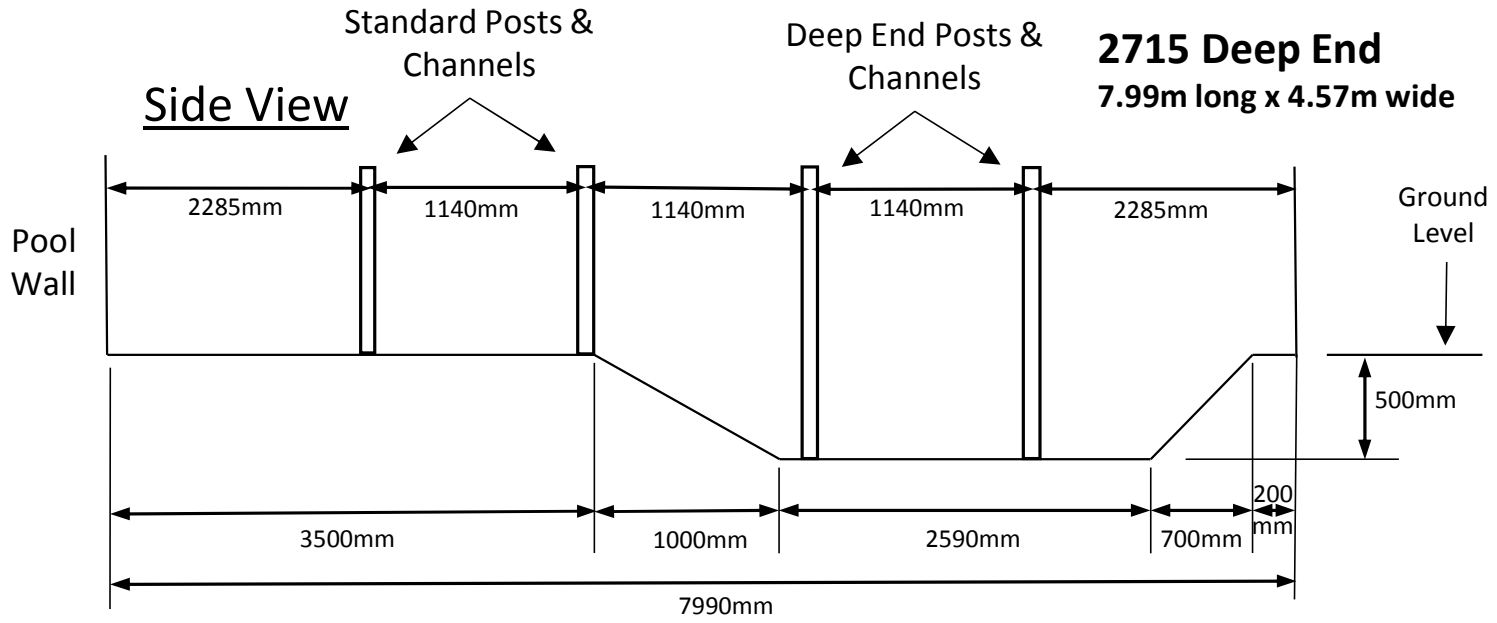

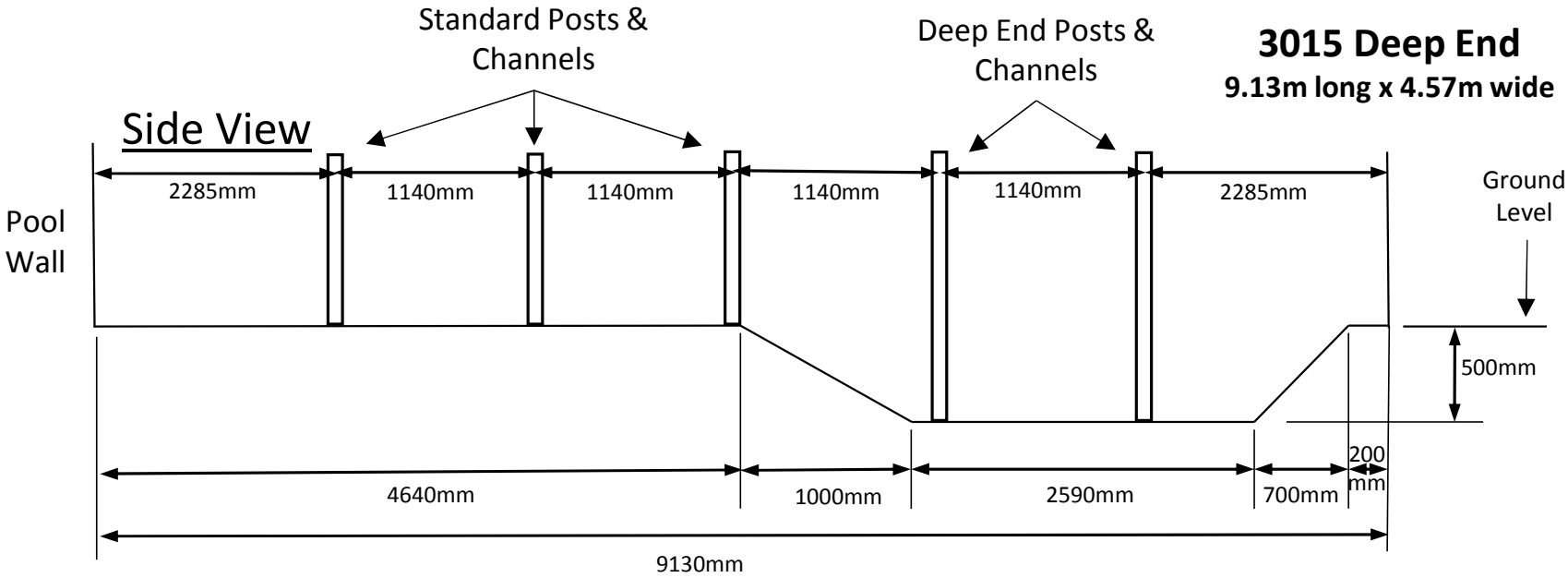

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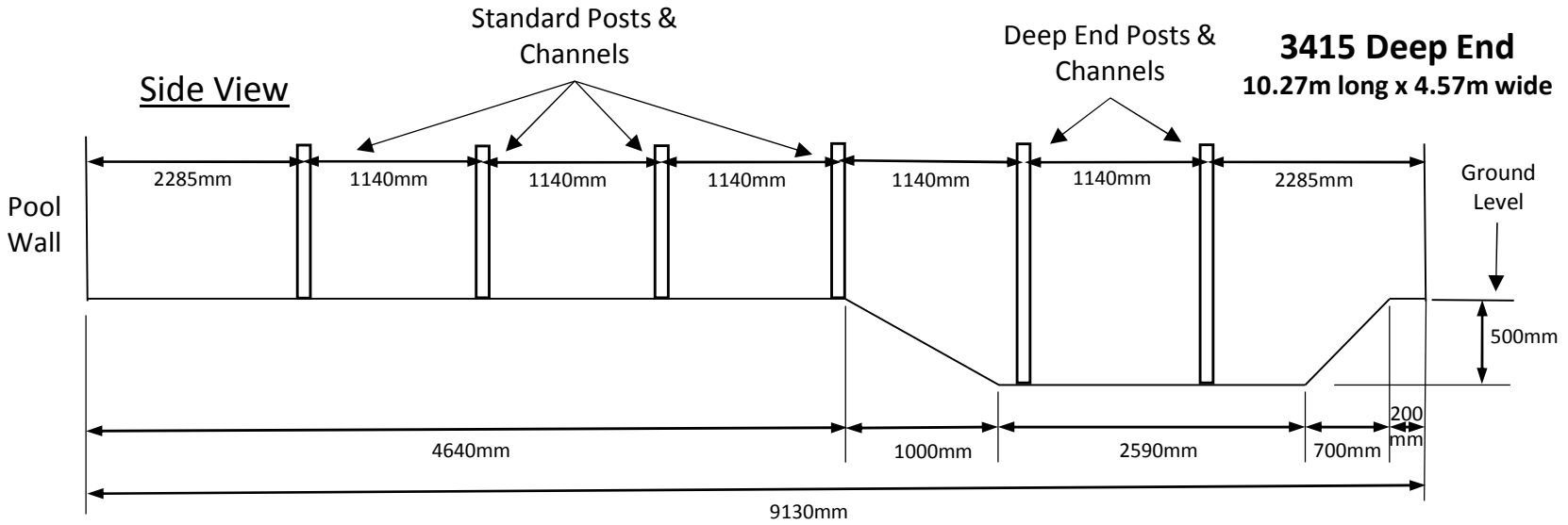
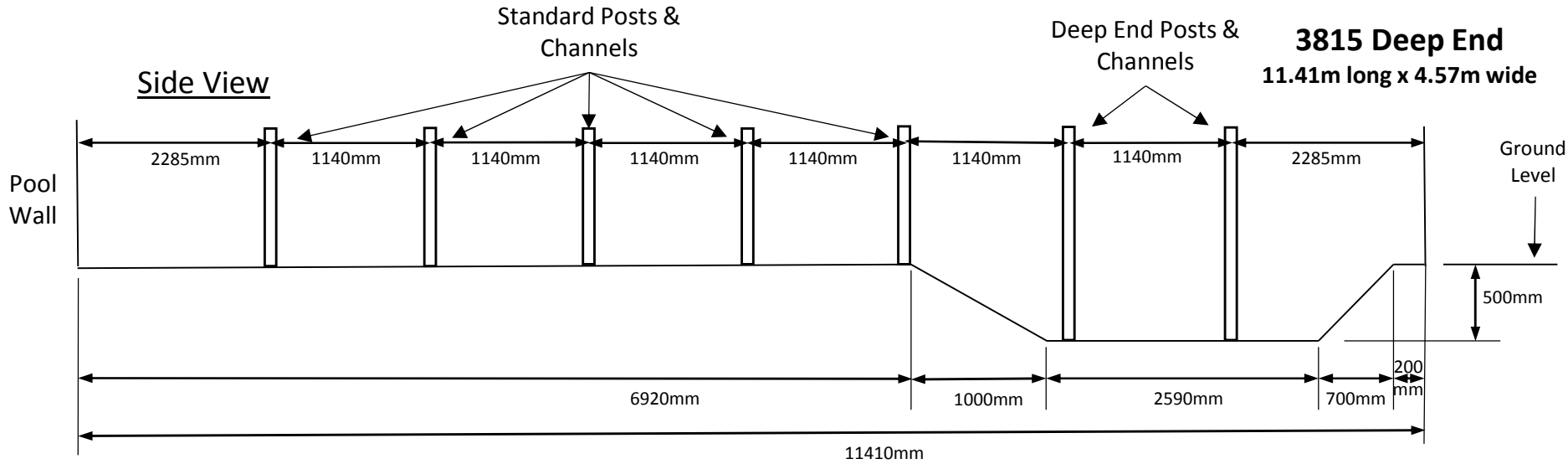




Deep End post and channel assembly

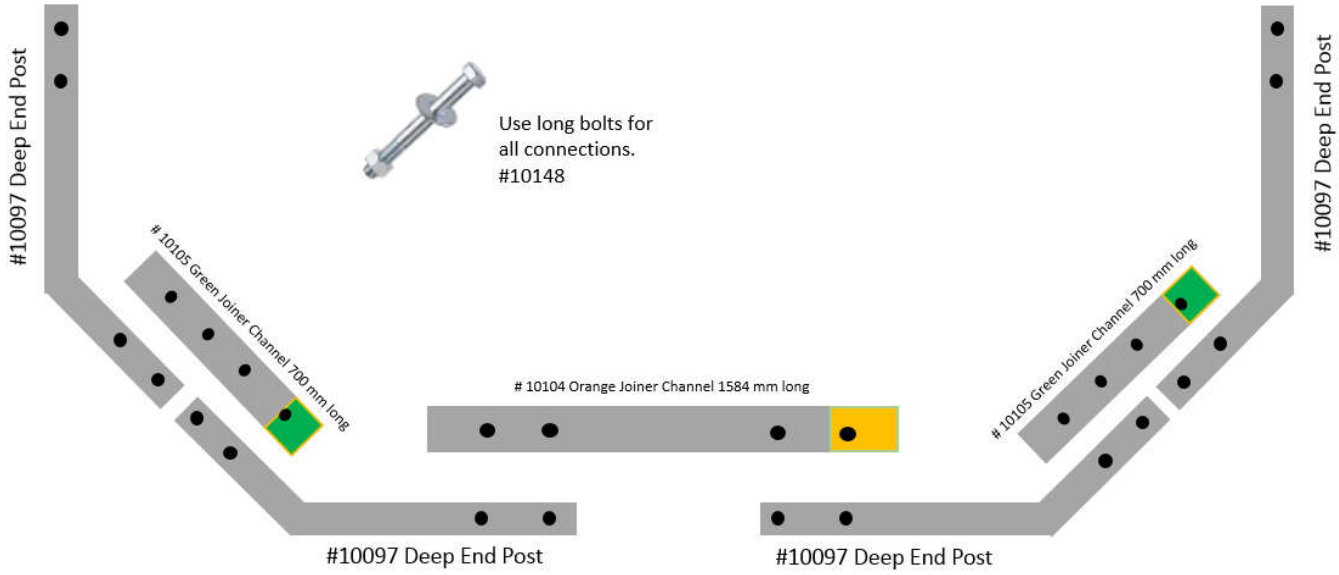
ASSEMBLE THE CHANNELS AND POSTS FOR YOUR POOL

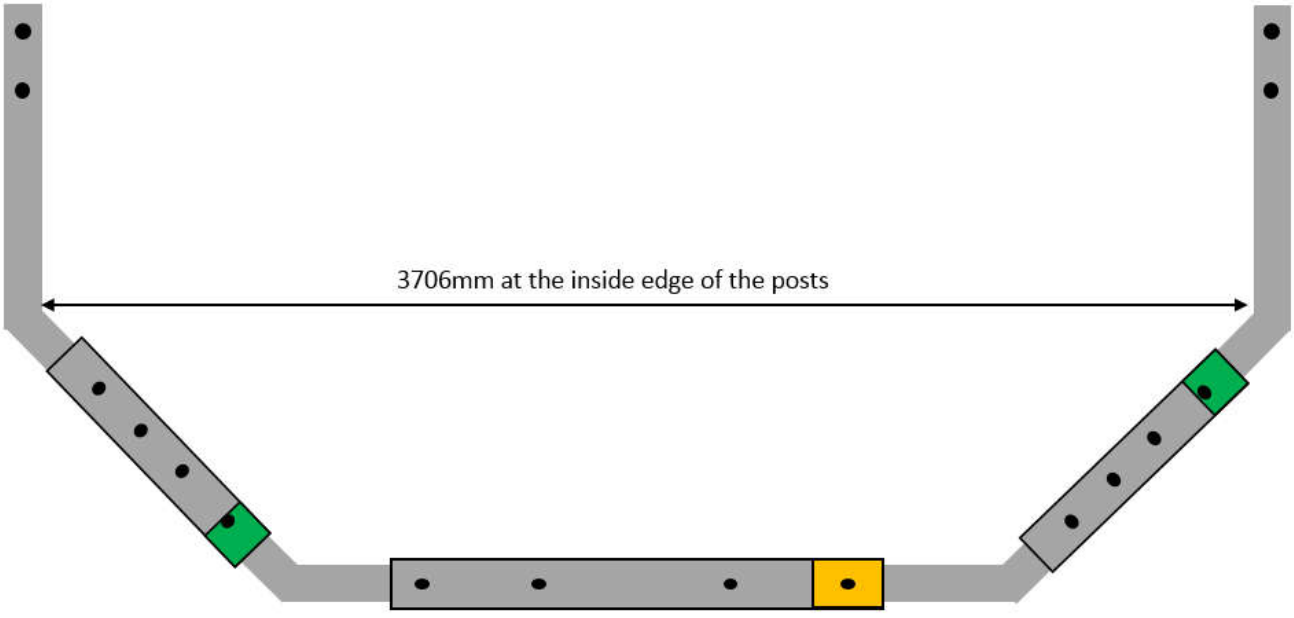
- Identify the Channels and posts and quantities required for your pool.
- Place the required components in to groups for each set .
- Lay the components in the correct sequence as per model on flat ground (outside pool area); this is a simple task as all of the components are colour coded.
- Using the correct nuts bolts and washers, join up all of the channels and posts, TIGHTEN BY HAND ONLY.
- Check the inside measurement from post to post at the bottom of the post 100mm above weld.
    - 3.66m wide pools = 3706mm
    - 4.57m wide pools = 4616mm
- Make any necessary adjustments by moving posts and channels to obtain correct measurement.
- **IT IS IMPORTANT** that the measurements are carefully checked before tightening the bolts.
- When correct measurement is obtained carefully tighten all bolts ensuring not to move assembly during tightening process.
- Once tightened carefully recheck that the measurements are correct.
- Repeat this procedure for all other channel and post assemblies for your pool.
- This method of assembly should be used for ALL pool frames, both deep end and flat end
- The inside measurement between the posts are as follows.
    - 3.66m wide pools = 3706mm
    - 4.57m wide pools = 4616mm

Deep end frame assembly

3.66m Wide Deep End Pools

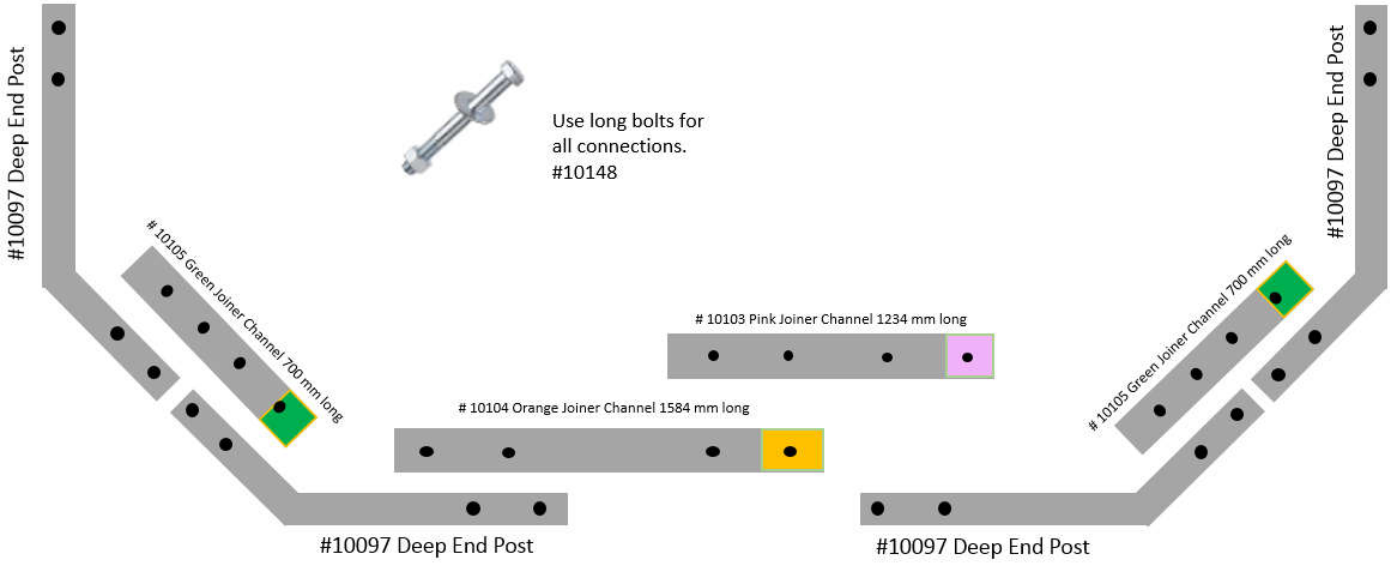
TIP: When positioning the deep end post for your pool it is very important that they are supported in a perpendicular position while the assembly is being packed. A simple way to do this is to drive a star pick into the ground at the back of the post then temporarily attach it to the star picket with some duct tape.

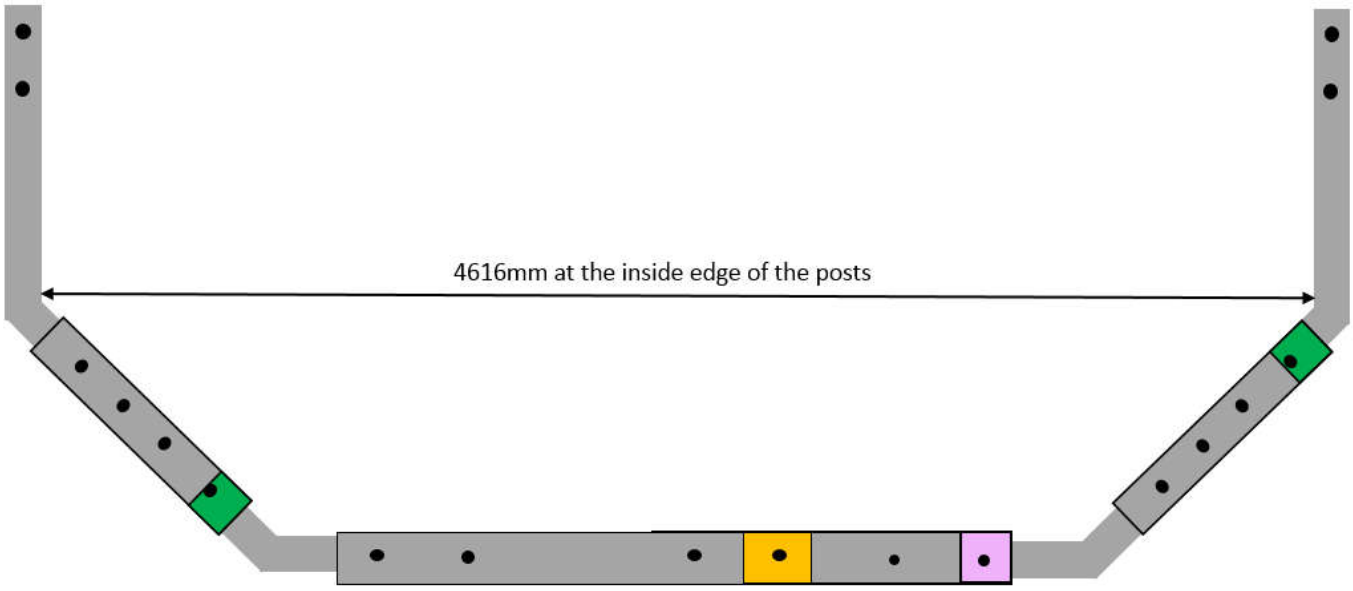




NB: Concrete blocks or poured concrete must be placed under each post and pressure plate section minimum 250L x 250W x 150D, do not use house bricks or besser blocks

4.57m Wide Deep End Pools





NB: Concrete blocks or poured concrete must be placed under each post and pressure plate section minimum 250L x 250W x 150D, do not use house bricks or besser blocks

DEEP END CHANNELS & POSTS BEING INSTALLED WITH PRE SAND

VERTICAL ASSEMBLY

STEP 15. Installation of vertical posts

All vertical posts require connector plates to the top. End vertical posts require a second connector plate attached to the bottom.



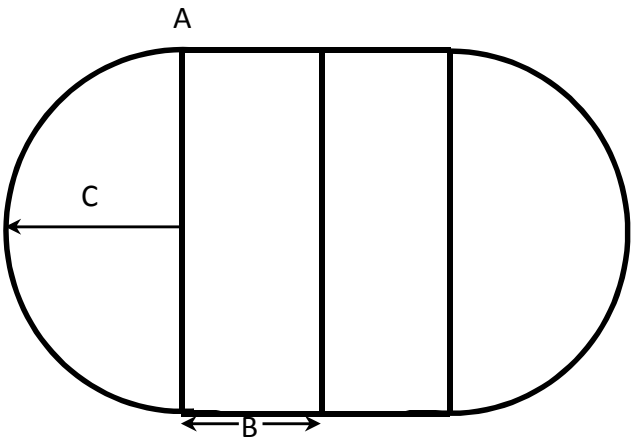

Place a connector plate on the top end of the vertical so that each of the 3 tabs are inside the vertical and the connector plate sits flush on the end of the vertical. Screw the hex screws into the side of the vertical at 9mm down from the top of vertical and 31mm across from the back of the vertical. Screw the hex screws into the third position at 70mm across from the side of the vertical post and 19mm down from the top of the vertical post. Repeat this process for the all verticals. Alignment of the hex screws can be assisted by sighting through the connector plate when fitted to the vertical.

Use the same procedure to join the connector plates to the bottom of the end vertical post (see above pictures).

Slide the vertical posts over the steel posts. The rest of the verticals you can put to the side for the moment. You will need to use 1 Hex screw per post to secure the vertical to the post. Screw the hex screws into the third position at the bottom of the vertical measuring 70mm across from the side of the vertical and 19mm up from the bottom of the vertical.

WALL INSTALLATION

STEP 16. Marking out the end radius of the pool



2.85 Wide pools

Draw a stringline between the last two posts at the end of the pool (A). Find the centre point of this line (A) point C, from this point using a tape measure and screwdriver mark out the end radius of 1425mm (the arc) for your pool. Repeat this step and mark out the other end of your pool.

Inside post measurement: A = 2892mm B = 1140mm centres C = 1425mm

3.66 Wide pools

Draw a stringline between the last two posts at the end of the pool (A). Find the centre point of this line (A) point C, from this point using a tape measure and screwdriver mark out the end radius of 1830mm (the arc) for your pool. Repeat this step and mark out the other end of your pool.

Inside post measurement: A = 3706mm B = 1140mm centres C = 1830mm

4.57 Wide Pools

Draw a stringline between the last two posts at the end of the pool (A). Find the centre point of this line (A) point C, from this point using a tape measure and a screwdriver mark out the end radius of 2285mm (the arc) for your pool. Repeat this step mark out the other end of your pool.

Inside post measurement: A = 4614mm B = 1140mm centres C = 2285mm

STEP 17. Installing the bottom rails

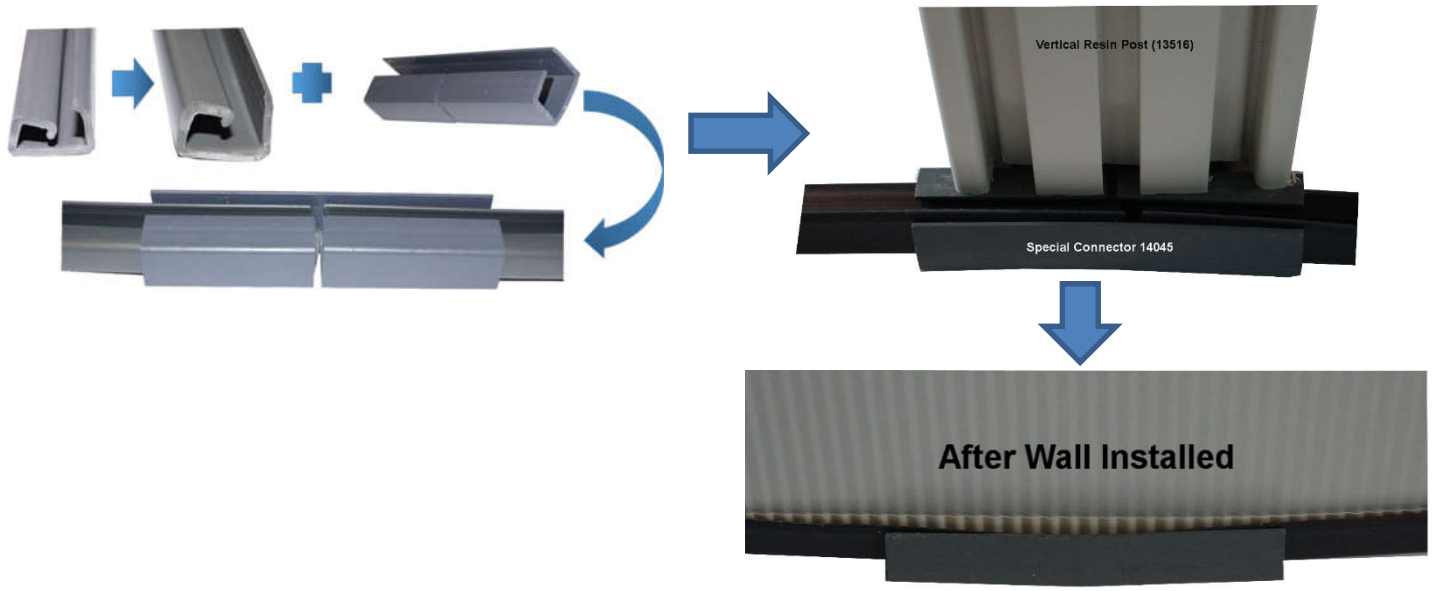
Once you have the line marked out on the ground you may then go ahead and place the bottom rails in position for the end arcs. Now using a star picket to prop up the end verticals, locate them between the bottom rails. The rail will slide in above the connector plate into the notched section of the vertical cover. There should be a gap between the rails to maintain the radius and post gap for the wall.

For oval pools you will need to put down the intermediate bottom rails between the posts. Slide the Post Vertical over the post until the vertical is sitting snuggly on the bottom rail. Drive a Hex Screw into the post, through the vertical by measuring 70mm across from the side of the vertical and 19mm up from the bottom of the vertical. Avoid over driving the Hex Screws as this will distort the vertical post.

BOTTOM RAIL ASSEMBLY

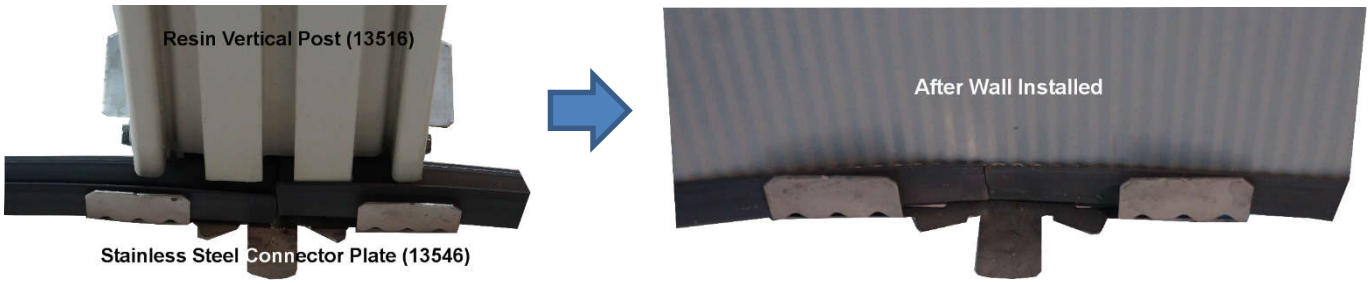
STRAIGHT SIDES OF POOLS

The joiner (14045) is designed to join up the intermediate rails only (10123) as per the image below. The joiners (14045) are not used on the curved end or corners of the pool.



Oval Ends & Square End Corners

The stainless steel connector plates (13546) on the resin verticals (13516) on the oval ended pools and square end corners act as joiners for the curved bottom rails as pictured.

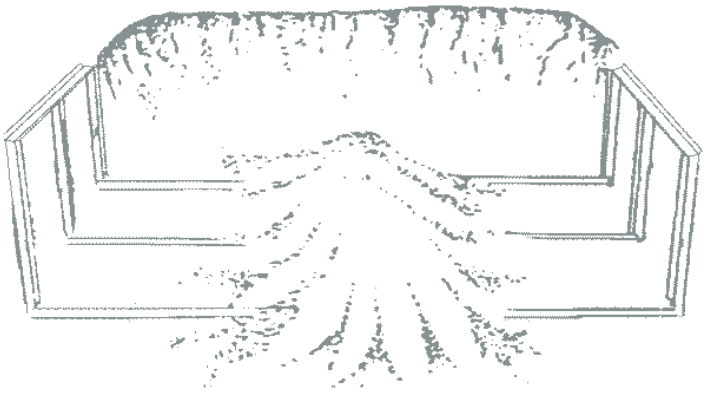


WALL INSTALLATION

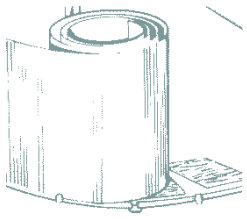
STEP 18. Sand requirements

Place the required amount of builder's sand in the centre of the cleared area. The table below gives the required amount of sand. Do not spread the sand at this stage. Ensure that there is no sand within 900mm from the pools edge as it will be in the way of the wall installation later on.
NOTE: Builder's sand is the only sand recommended as a base for the pool. Any other sand may damage the liner.

POOL MODEL	CLEAN BUILDERS SAND (CM)
3.99 x 2.85	0.75 cubic metres
5.14 x 2.85	1.0 cubic metres
6.28 x 2.85	1.25 cubic metres
3.66 x 3.66	1.4 cubic metres
4.80 x 3.66	1.6 cubic metres
5.94 x 3.66	1.8 cubic metres
7.08 x 3.66	2.0 cubic meters
8.22 x 3.66	2.2 cubic meters
4.57 x 4.57	1.6 cubic metres
6.85 x 4.57	2.2 cubic metres
7.99 x 4.57	2.5 cubic metres



STEP 19. Installing the pool wall



INSTALLING THE WALL – ALL POOLS: **2-3 people are required for this task.**
Ensure the filtration holes which are located approx. 450mm from the start of the wall are at the
top of the wall before uncoiling. The skimmer should be located at one end of the pool located where you want your pump and filter located. Note the skimmer has to be at the opposite if a swim-out step is installed.
Use two pieces of hardboard or similar, about 600mm square, one is to stand the wall on and the other to move the wall along as you progress. Start uncoiling the wall and laying it into the bottom rail slot. As you progress you may need to move duct tape and star pickets that are attached to Verticals and relocate them to suit.

The wall join can be hidden behind an end vertical support. Start uncoiling the wall with the end directly over a bottom connector plate, thus covering the join by a vertical. It is necessary to have someone holding the end of the wall to prevent it from moving along the rail. Bend tabs on connector plates on the bottom and top of the wall slightly to temporarily hold the wall in place as you install the wall.

If on reaching the end of the roll, the holes don't line up, alignment can be achieved by gently moving the end rails in or out to suit. A small screwdriver can be used to help to align the bolt holes. Check that the wall is secured in the bottom rails all the way around the pool.

Note: If the wall has moved off line it can be adjusted back into position.

When both ends of the wall are aligned, use two or three Phillips head screwdrivers, starting at the bottom of the wall, to keep the wall aligned until you have installed the bolts.

Assemble the ⅜" x ¼" bolts, ¼" nuts and ¼" washers into the bolt hole provided and firmly tighten. It is important to have the washers and nuts on the outside of the pool with the bolt head on the inside. Once that has been done, remove any screwdriver burrs from the wall screws.

Cover the bolt heads and wall join from top to bottom with a minimum of 3 lengths of duct tape.

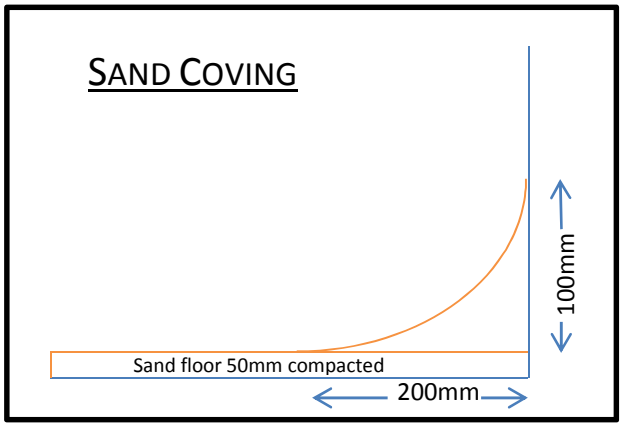
At this point it is advised to recheck the measurements of the pool are correct, in case there has been any movement make the necessary adjustments. Once the measurements have been checked, proceed with the next stage of preparing the pool base.

SAND INSTALLATION

STEP 20. Packing and levelling the sand

Floor: sand must be used as a base in the bottom of the pool area. Using a rake then wooden screed, level the sand to approximately 75mm deep. Once levelled compact with a manual compactor (or the optional water filled roller) to 50mm deep.

Build a sand coving around the inside perimeter of the pool. The sand coving (shown below) is approximately 200mm then compact slightly to 150mm high. The sand coving is critical to stop the liner being forced under the wall when filled with water.



Swim-Out Step Installation

This Section Applies to the Addition of the Driclad Swim-Out Step Feature that can be added to all 2.85m, 3.66m & 4.57 wide pools.

INSTALLATION OF SWIM-OUT STEPS IS NOT RECOMMENDED FOR POOLS THAT HAVE BEEN INSTALLED IN-GROUND.

Applicable Models & Materials

Pool Size Width	Driclad Code	Bottom Step Size W x D x H mm	Top Step Size W x D x H mm	Corflute 2450 x 1240	Artilon Underlay 2.065 LM	Roll Duct Tape
2.85M	14075	2679 x 970 x 600	2065 x 450 x 300	X 1	3.0 LM	X 1
3.66M	14076	3100 x 857 x 600	2213 x 373 x 300	X 1	3.5 LM	X 1
4.57M	14077	4082 x 1256 x 600	3168 x 618 x 300	X 1	4.0 Lm	X 1

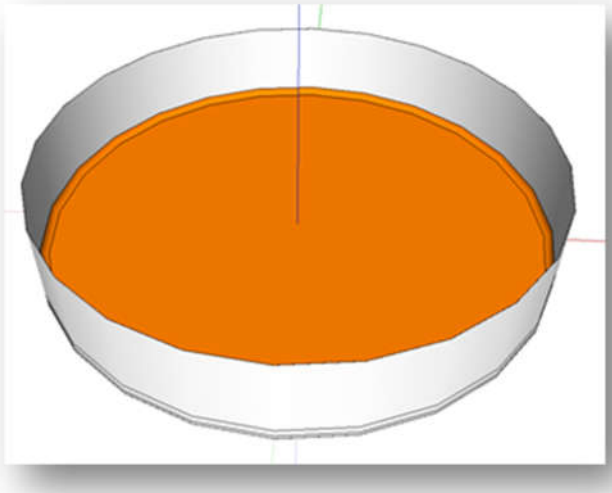
Tools Required

Spirit Level
Shovel
Tape Measure
Scissors
Builders Pencil/Chalk

Before commencing this installation, ensure you have the correct type and quantity of each of the components listed. Additionally make sure you have the necessary tools required, and that you have read and understand the instructions fully.

Safety: The use of mechanical cutting tools and sharp edged components is dangerous and requires personal protection equipment. Read all the manufacturer's instructions supplied with each component and ensure that you are experienced and have confidence in your ability to execute installation prior to starting. If you consider this task too difficult it is recommended you engage a qualified professional to complete this installation.

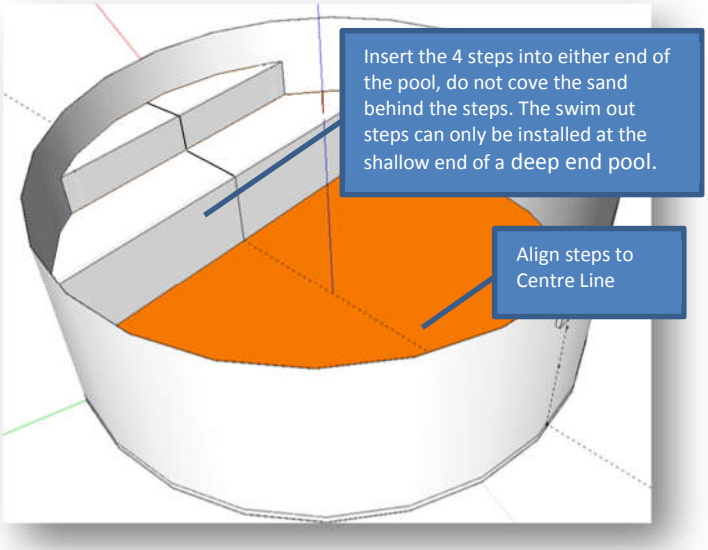
The installation requires heavy lifting, appropriate personnel and the correct equipment to ensure a safe installation.



Floor Sand in place: The 50mm base sand has already been installed to your pool floor and been levelled. If the sand coving has also been applied this can be removed where it interferes with the installation as needed.

Installation Location:

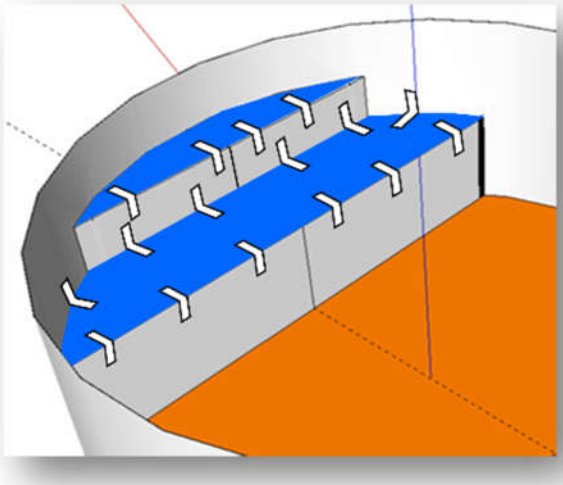
It is recommended that you only begin installing the kit once your pool plant (pump, filter, management components) have been correctly mounted into their final position and the pool tub has been installed, without the special liner in place. The step/seat kit needs to be installed onto the radius curved section of your pool. An imaginary line down the centre of your pool indicates the centre line of the kits location. Ensure the kit is situated as far away from your pool skimmer box as possible. The below example is for a round pool. If you have an oval, place the kit at the opposite end to the pool plant skimmer, eyeball return and safety suction. If you have a deep-end option on your pool the Swim-Out Steps can only be installed opposite the deep-end section.



Installing the Corflute:

Using scissors to cut the corflute to fit the top side of each step and attach with tape.

This is to hold the corflute in place before the Artilon and then the liner have been added.

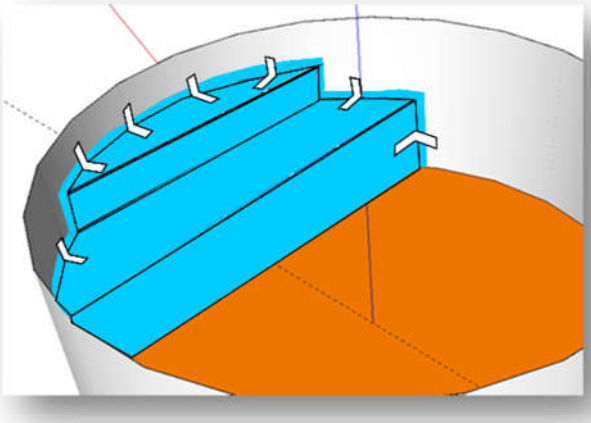


Installing the Liner Underlay

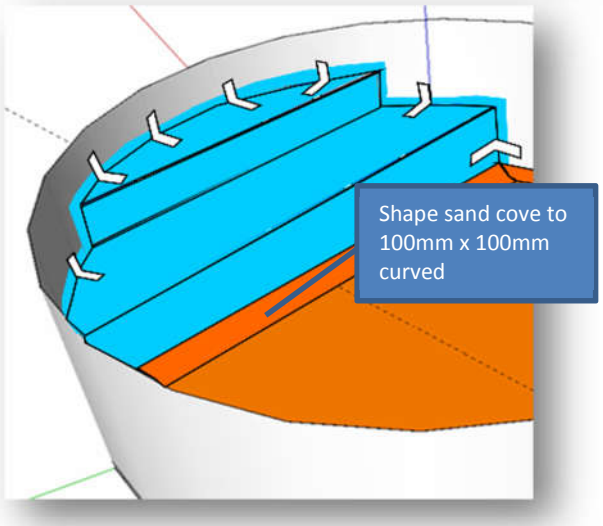
Artilon is a 3mm thick blue foam padding.

Unroll the foam, length wise as to span across the step and seat. Ensure the edge of the foam runs along the bottom of the sand coving at the base of the seat. This should span the whole seat from end to end and slightly overlap onto the wall area at the bottom.

Spread the foam along the horizontal and vertical surfaces of the seat and step making sure no lumps or wrinkles are created.
Hold down the foam on the seat and step area, you can use bags of sand or other blunt, smooth objects.
Using the builders crayon now mark the foam with a continuous line where it meets the perimeter of the wall where it intersects with the seat and step kit.
Remove the foam and cut to size following the crayon line
Position the foam back in place and weight down.
Using the provided material tape, apply tape along the edges of the foam to attach it to the wall of the pool.
Remove the weights and ensure there are no wrinkles in the foam.



Apply Sand Coving
Floor: reproduce the sand coving as found on the bottom edge of the pool to the seat face bottom. This should be a 100 x 100mm curved ramp shape.



Liner Installation
For this part of the process you will need to follow the installation instructions included in the liner box.
Specific to the seat step facet of the installation of the liner you should include the following processes when you are ready to fill the pool with water:
These pictures shows the liner vacuumed into position. Most wrinkles will be stretched out during this process. The horizontal seams of the seat and step bases are positioned at the top of the coving.
Have a person adjust the liner every 30mm height of water fill to ensure:
The liner seams are running vertical and horizontal where fitted
The liner is taut and free of creases or wrinkles and is fully pushed into the corners. Pushing the seams into the corners will pull many wrinkles out of the liner.

Make constant adjustment to ensure a glove like fit. As the water height raises the water pressure will push the liner material into the corner sections flattening out many wrinkles.

The finished product: A robust step and seat with soft feel and a well fitted liner for years of pool enjoyment.

Use and Maintenance

The step and seat are intended for non-impact use.

Sitting and standing on the step and seat are the normal use of this product. Miss use of this product could lead to product damage and injury and is to be avoided.

Do not jump on/off this product

Do not push off the front edge of the step and seat. This includes rolling feet on the edges for stepping in and out. Place feet firmly on the flat areas of the step and seat.

Do not use the step and seat as a support for foreign objects. The liner is not intended as a support for seats, tables etc.

If the liner or underlying structure is damaged, immediately reduce the water level of the pool below the damaged zone.

The liner is textured to provide a slip resisting surface. Using a pool broom, regularly sweep the seat and step surfaces to ensure they remain clean.

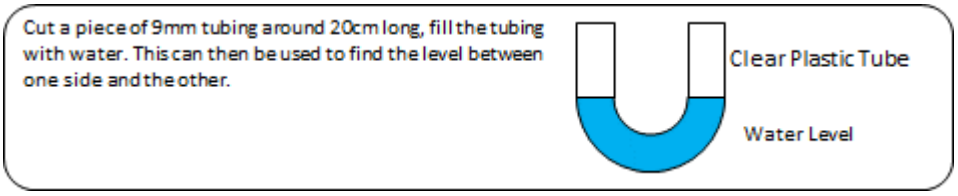
LINER INSTALLATION

STEP 21. Installing the liner

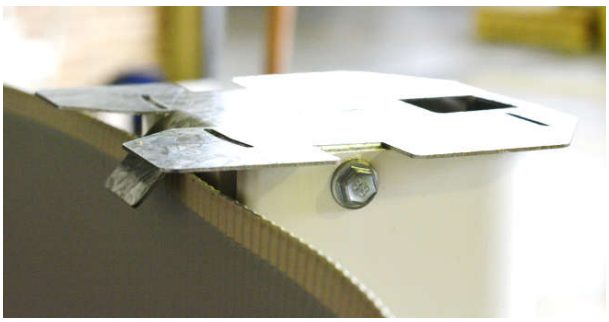
It is now time to fit the vinyl liner to your swimming pool. The liner installation instructions are found inside the liner carton. It is very important that if you experience any difficulty fitting the liner to your pool contact the dealer where you purchased your pool for assistance.

Additional to the instructions supplied:

- The liner has a seam on the floor section that is required to sit along the centre of the pool and has a horizontal seam that is recommended to sit at the top edge of the sand coving.
- The liner can temporarily be held at the top of the pool wall using the coping flat strips provided. When initial alignment of the liner is being conducted, it is only necessary to clip on 300mm of the coping flat strips where required and leave the remainder hanging.
- It is crucial to release tension on the liner. This should be done progressively until the water level raises to a depth of 700mm. At this point all coping flat strips can be installed.
- You have been provided additional coping flat strips to allow for installation end to end for the circumference of the pool wall. Coping flat strip can be reduced in length to fit the final gap.



DECK ASSEMBLY



NB: If required the Connector Plate (13546) can be positioned higher by up to 4-5mm should the height need adjustment.

Once the Flat Ribbed Coping is over the Liner you can then bend down the tabs on the top connector plates. Ensure secondary coping does not intrude with connector plate folding tab.

STEP 22. Installing the decks

Intermediate Deck Installation (skip this for round pools)

The intermediate section of your pool is the two sides of an oval pool. The decks used here are shorter than the end decks and should be separated out of the group prior to commencement of this process.

1. Ensure the central slot in the connector plates are 1140mm apart.
2. Select an intermediate deck and place this spanning the two measured connector plated.
3. You should ensure the wall is sitting under the deck.
4. Centralise the deck evenly on each connector plate.
5. Drive the provided hex screws through the slotted holes in the deck into the slotted hole in the connector plate. Do not tighten firmly till all intermediate decks have been aligned and positioned correctly.

End Deck Installation

The end sections of your pool are the two round ends of an oval pool. The decks used here are longer than the intermediate decks and should be all that is remaining to install.

1. Fit an end deck next to all intermediate decks.
2. You should ensure the wall is sitting under the deck.
3. Centralise the deck evenly on each connector plate without covering the centre slot of the cover plate.
4. Drive the provided hex screws through the slotted holes in the deck into the slotted hole in the connector plate. Do not tighten firmly as this will allow you to adjust the decks to complete the round end. Due to potential installation inconsistencies you may have to adjust and readjust the end decks till they align with the connector plate slots and each other.
5. Tighten firmly all remaining hex screws.

COVER PLATE ASSEMBLY

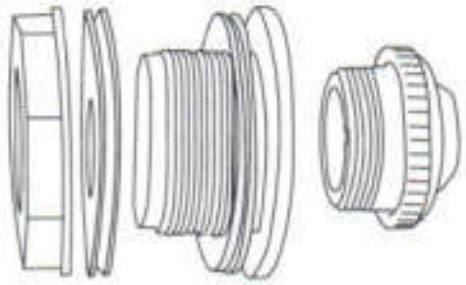
STEP 23. Installing the cover plates

1. Place cover plate over the decks where they join.
2. Secure with a 10G X 25 Screw provided using a cordless drill on low drive setting.
3. Tighten the screw till the cover plate is no longer loose, over tightening will cause the cover plate to break.
4. Place cover plate plug over the hole for the screw and press firmly on the plug till it sits flush with the top of the cover plate.

PLUMBING INSTALLATION

EYEBALL RETURN FITTING

The eyeball return fitting installation is not to be commenced until there is at least 700mm of water in pool. The fitting is to be located in the round hole closest to the rectangular hole in the pool wall.



Before attaching the eyeball return fitting to the pool, it is important to cover the threads of the return fittings with a thin layer of Teflon tape to ensure a watertight seal.

1. Using a small piece of cardboard, push the liner back against the metal pool wall to locate the exact position of the circular cut-out in the wall, then using a sharp knife carefully cut a circular hole in the liner (from the outside) approximately 3mm smaller than the cut-out in the metal wall. Remove the cut-out section of liner and all cardboard
2. Fit a cork gasket over the barrel of the fitting then a rubber gasket, push the fitting through the wall from the inside of the pool.
3. The remaining rubber gasket and the cork gasket are now fitted over the barrel fitting from the outside of the wall, with the rubber gasket up against the pool wall, the lock nut is now screwed onto the barrel and tightened firmly to ensure a watertight seal. Care must be taken to ensure that the lock nut is not over tightened causing the flange on the barrel to rotate and distort the liner, if this occurs the lock nut should be loosened, the gaskets repositioned and the lock nut re tightened.
4. The adjustable directional eyeball fitting, can now be faced away from the opening (the inlet) to the weir skimmer assembly.

SECONDARY SUCTION

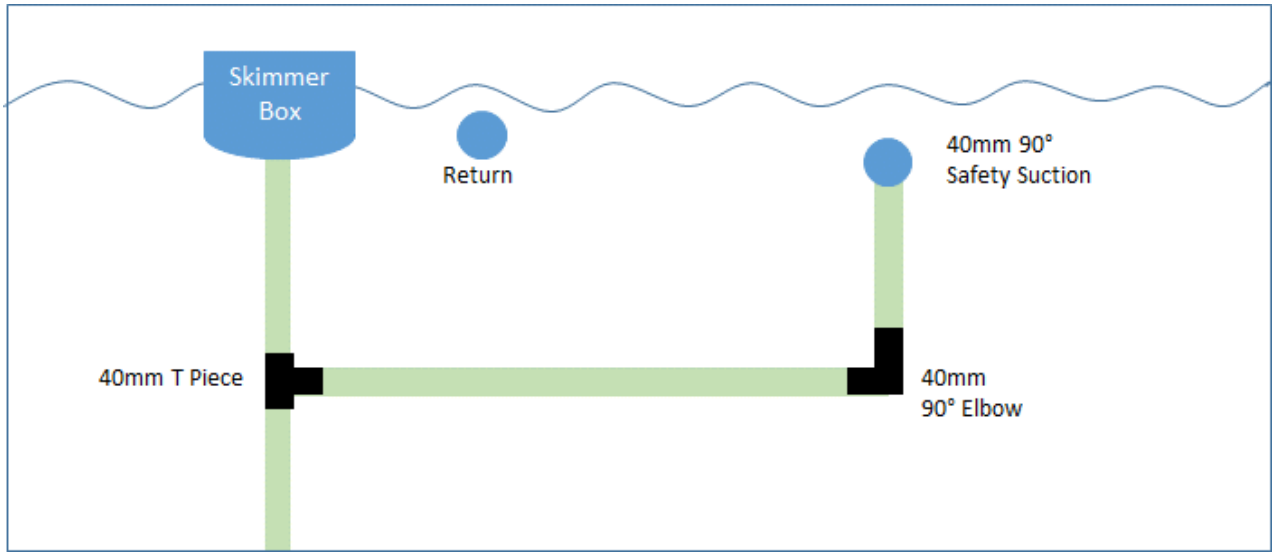
To comply with legislation requirement the pool skimmer has been complianced with the inclusion of a secondary safety suction. The pool has been supplied with a second suction point cut out (the safety suction) is fitted to the pool wall 825mm away from the weir skimmer and connected back to the main suction inlet pipe between the weir skimmer and the intake to the filter pump without provision of isolation. An installation diagram is provided on the next page.

The Secondary Suction Fitting installation is not to be commenced until there is at least 700mm of water in pool. The fitting is to be located in the round hole furthest from the rectangular hole in the pool wall.

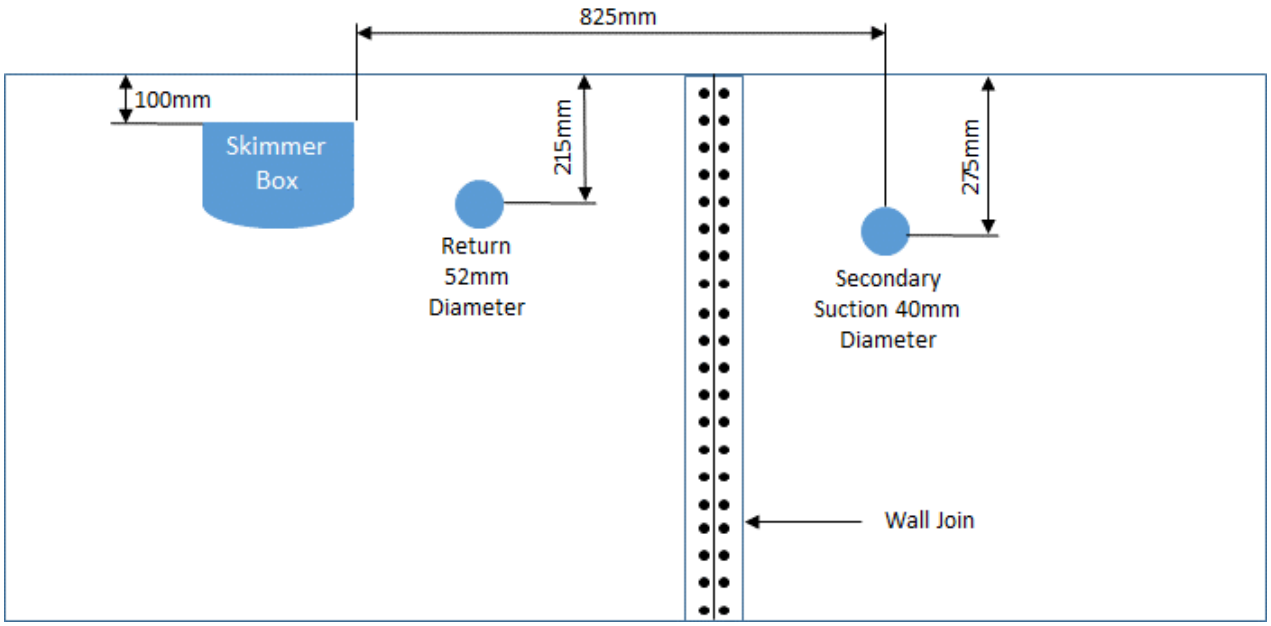
Before attaching the Secondary Suction Fitting to the pool, it is necessary to cover the threads of the fitting with a thin layer of Teflon tape to ensure a watertight seal.

1. Using a small piece of cardboard, push the liner back against the metal pool wall to locate the exact position of the circular cut-out in the wall, then using a sharp knife carefully cut a circular hole in the liner (from the outside) approximately 3mm smaller than the cut-out in the metal wall. Remove the cut-out section of liner and all cardboard
2. Fit a gasket over the barrel of the fitting, push the fitting through the wall from the inside of the pool.
3. The remaining rubber gasket is now fitted over the barrel fitting from the outside of the wall, with the rubber gasket up against the pool wall, the lock nut is now screwed onto the barrel and tightened firmly to ensure a watertight seal. Care must be taken to ensure that the lock nut is not over tightened causing the flange on the barrel to rotate and distort the liner, if this occurs the lock nut should be loosened, the gaskets repositioned and the lock nut re tightened.

1. **SUCTION VIEW**



2. **RETURN TO POOL VIEW**



SKIMMER BOX INSTALLATION

SILICONE SEALANT REQUIRED (NOT SUPPLIED)

NOTE: Do not use the silicone sealants that are designed for use with windows and glass as they have an acidic cure and can damage vinyl and some plastics. If the sealant smells like vinegar do not use it for this application.

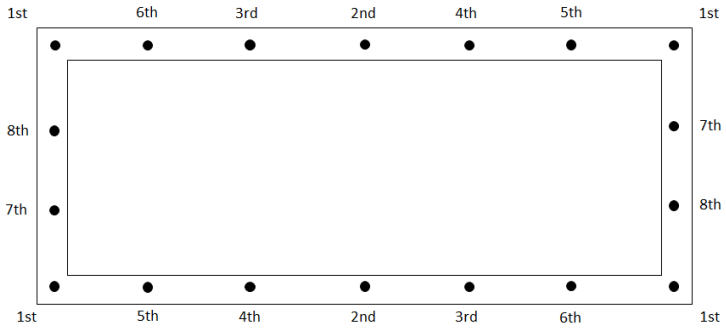
NOTE: Please make sure that the pool water depth is at least 700mm before fitting the skimmer box as the liners can be under very high tension in the initial stages of filling the pool and skimmer installation at this time can damage the liner.

A. Smear a thin layer of silicone sealant in the slot of the double layer (butterfly) gasket. Insert the butterfly gasket to the rectangular hole in the pool wall ensuring the wall sits in the slot of the butterfly gasket and the screw holes line up (DO NOT UNDER ANY CIRCUMSTANCES CUT THE GASKET.)

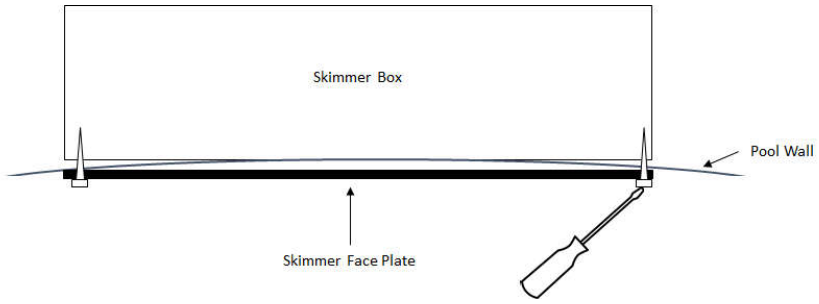
B. Silicone sealer should now be applied to the back of the face plate, the front of the weir skimmer box, and to both sides of the single rubber gasket in a single bead of approximately 5mm to assist in forming a leak proof seal between the liner and the pool wall.

C. Use the screws supplied to locate the 4 corner screw holes of the skimmer box. The four (4) corner screws are fitted from inside the pool, through the face plate, single gasket double gasket and the pool wall, through into the skimmer box. Initially tighten screws 3 to four turns only.

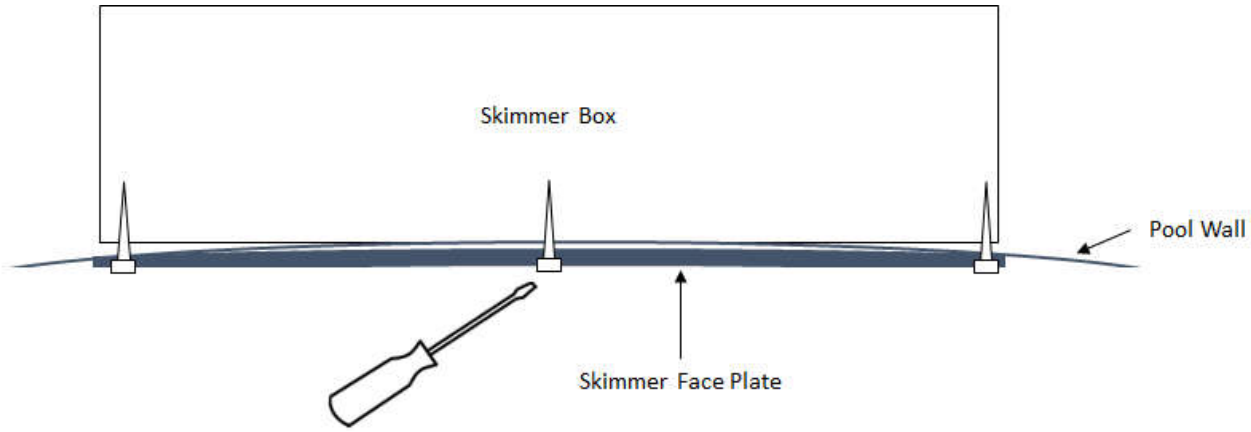
D. With the four corner screws holding the skimmer box in place begin screwing in the upper and lower centre screws so that the face plate starts to bend into a similar shape to the pool wall (do not over tighten screw.) Continue fixing the screws from the upper and lower centre position outward, as indicated by the numbering sequence below.



Tighten the four screws first once all others are in place



1. Face plate position with 4 corner locating screws in place



2. Face plate position with centre screw almost completely fastened

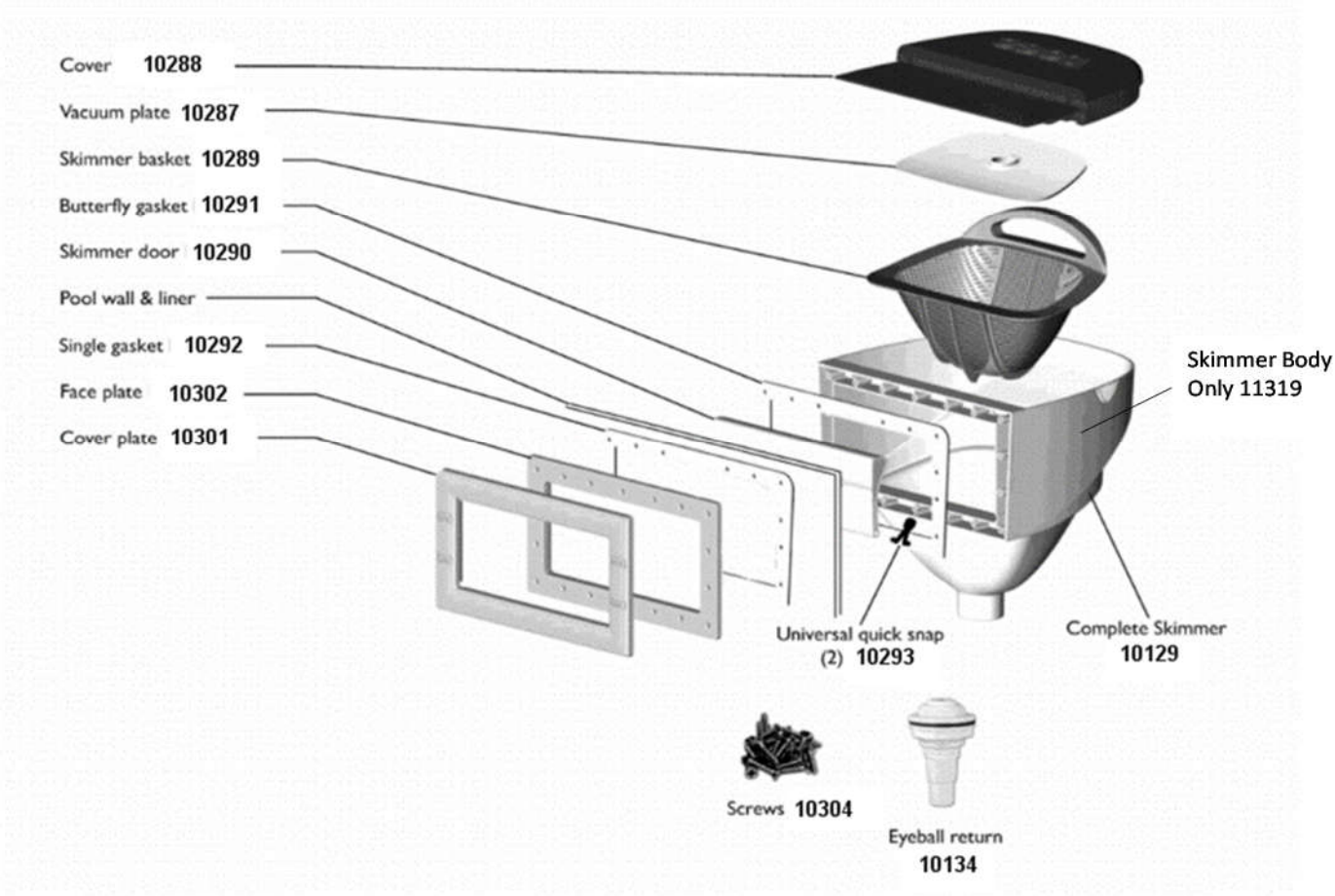
E. Continue to fasten screws until all screws are tight, being careful not to over tighten the screws. Higher voltage cordless drills can strip the thread in the skimmer box. Upon tightening a small amount

of silicon sealant may be extruded from between the face plate and the pool liner, this should be wiped with a rag as to remove any unsightly excess. Allow the recommended cure time for the sealant before immersing in water.

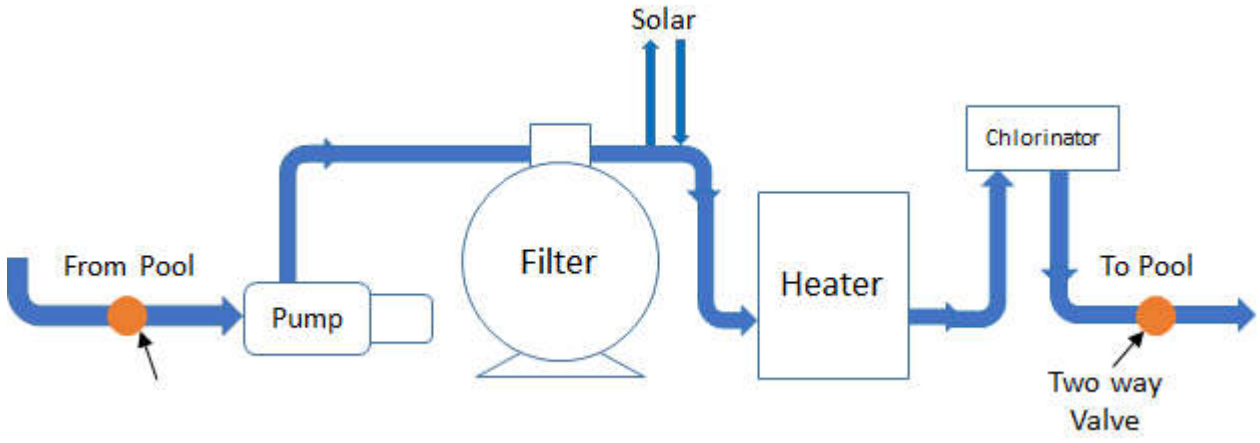
F. The opening for the skimmer box cannot be cut into the liner. It is important that this area be checked for leaks periodically. (You can now cut the opening in the liner).

The assembly/installation of your pool is now complete. You may now install that filtration motor/pump as per the equipment supplier's instructions.

NOTE:- The single gasket (10292) shown in the diagram below is not supplied with the skimmer box. The Butterfly gasket (10291) splits apart and fits inside the rectangular hole in the wall. The single gasket is therefore not required.

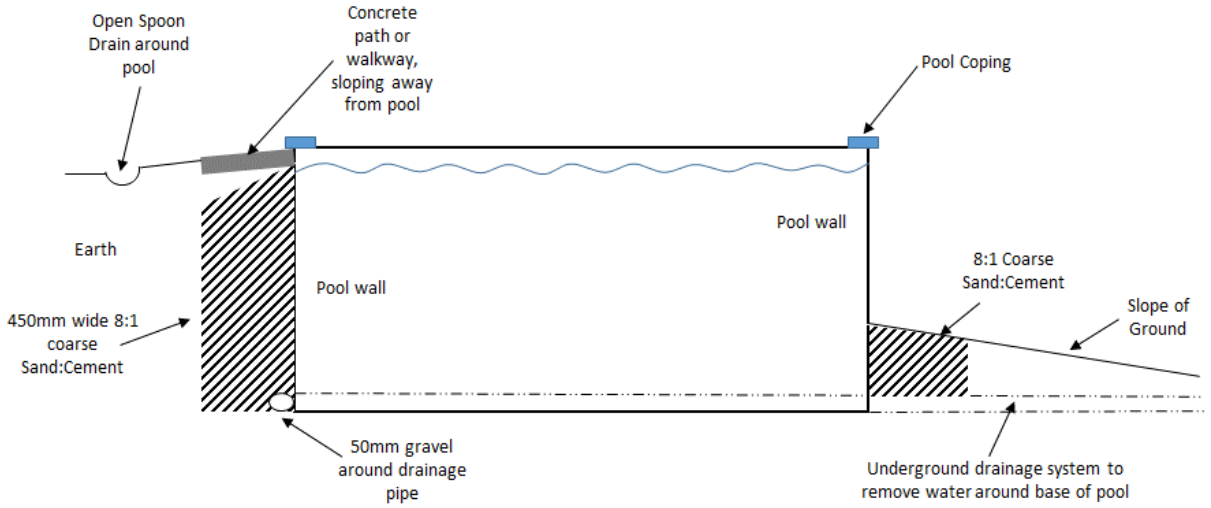


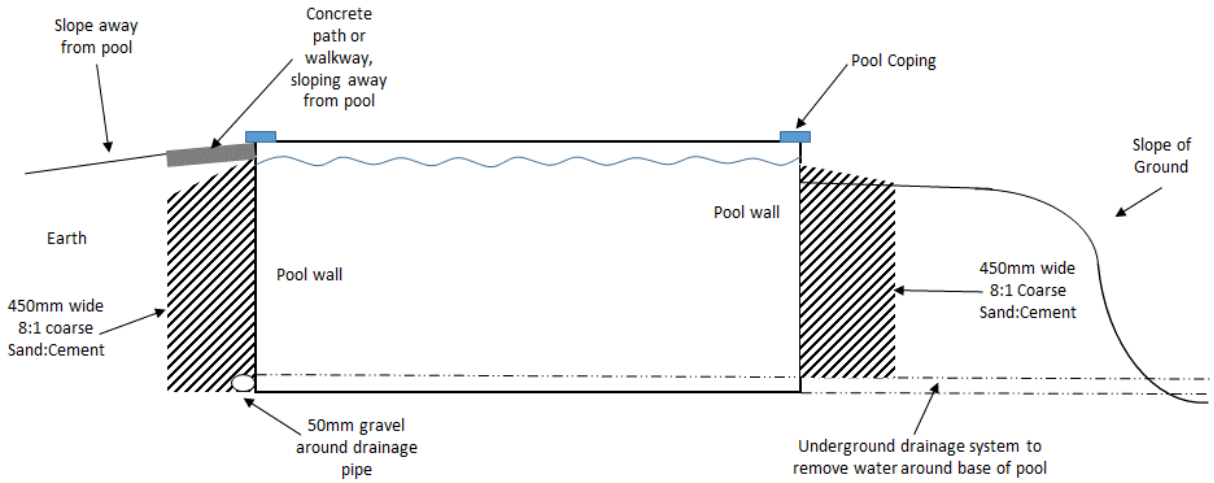
Plumbing Diagram

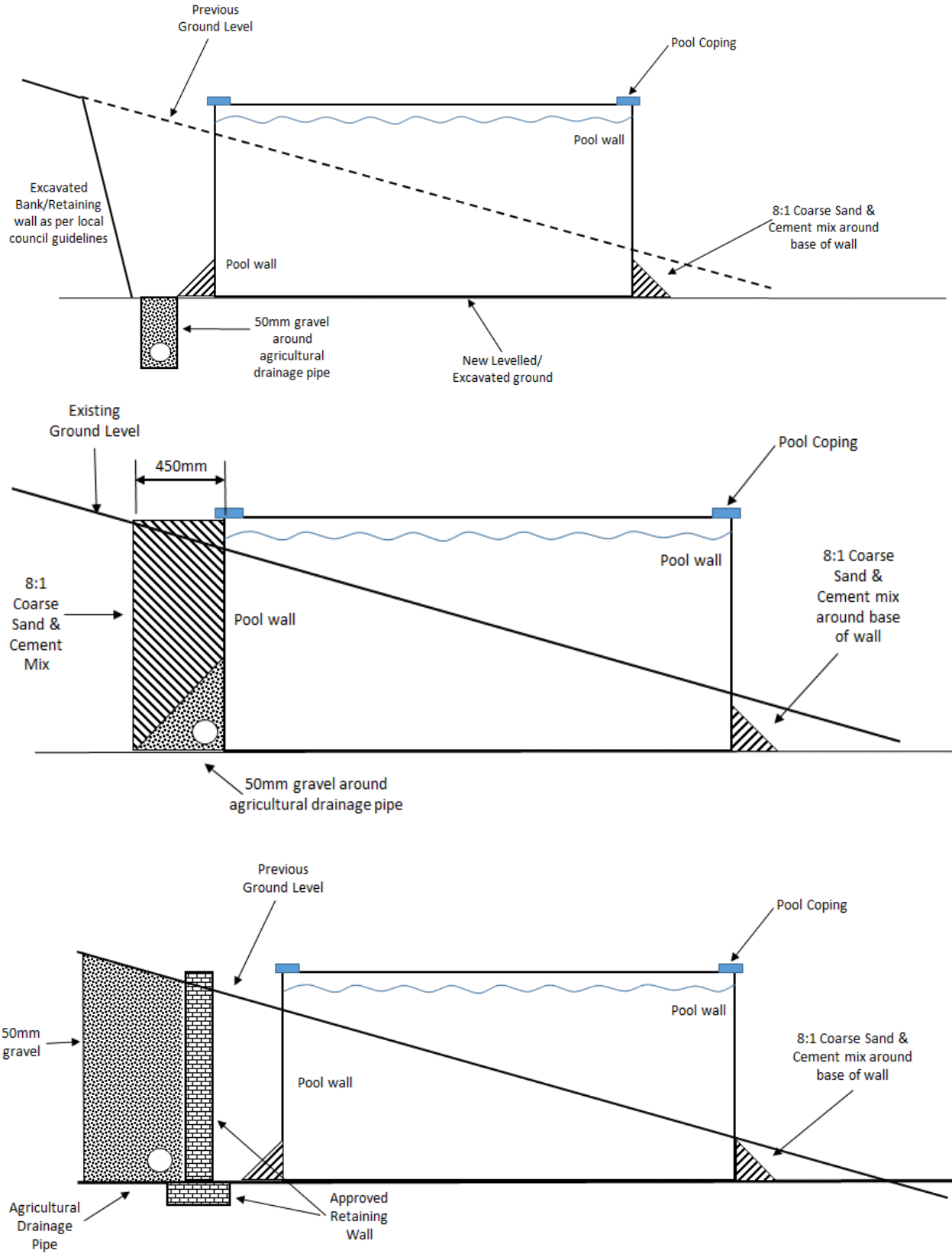


BACKFILL REQUIREMENTS FOR INGROUND INSTALLATION

It is imperative when any part of the pool is installed below (finished) ground line, for in-ground installation or a sloping site the pool wall must be maintained in a stable condition by carefully placed sub-soil drainage and prepared back-fill. The following diagrams illustrate various in-ground requirements for adequate drainage.







APPROVED RETAINING WALL BY LOCAL AUTHORITY

NOTES:

1. Minimum bearing capacity of the ground under the pool is to be 80KPA.
2. Agricultural drainage pipe **must** be installed when any part of the pool is installed below ground level, the pipe is to be continuous around the perimeter of the pool and sloped to a free outlet.
3. When the pool is installed partly or fully in the ground in a flat area with no possibility of gravity drainage of any ground water, the agricultural pipe system MUST be brought to an upstand pipe

with a submersible pump installed to automatically pump out ground water. Extracted ground water should be removed through to sewer. It is the responsibility of the pool installer to carefully survey topography of land and soil type to ensure that suitable drainage is installed, along with the correct sized (pump flow rate) submersible pump to ensure that the pool is not affected by ground water.

4. Prior to any backfilling the pool must be filled with water for a minimum of 48 hours to check for any leaks.
5. Walls are to be backfilled with a damp 8:1 coarse sand and cement mix (machine mixed) use only sufficient water to hold the mix together, do not over moisten the mix.
6. The pool must be maintained full of water for minimum of 60 days after backfilling.

POOLCARE QUESTIONS AND ANSWERS

POOL CARE

1. CONTROL OF "pH"

The pH is the measure of acidity of alkalinity of the pool water. If the pH is incorrect, anti-bacterial treatment will not be completely effective. The ideal pH for swimming pools is between 7.4 and 7.6. These should be checked daily with the pool water test kit.

Circulate the water for three hours and test the pH again, if necessary, add further chemicals.

The following table describes how to control the pH.

pH	EXPLANATION	TREATMENT
0 to 7.2	Pool water is too acidic. Eyes can skin may be irritated. Metal and plastic parts may be damaged.	Add pH UP.
7.4 to 7.6	IDEAL	
7.8 to 14	Pool water is too alkaline. Water can become cloudy. Liner can be damaged.	Add pH DOWN

2. ANTI-BACTERIAL TREATMENT

One method of keeping the swimming pool free of harmful bacteria is by adding chlorine to the water using in powder or tablet form. However, Ultra Violet light from the sun quickly reduces the chlorine residual – the amount of chlorine available to fight bacteria. By adding stabiliser (cyanuric acid) the chlorine loss can be reduced. The cyanuric acid level should be maintained at 50 parts per million. Cyanuric acid test kits are available from your dealer. The ideal chlorine residual is between 2.0 and 3.0 parts per

million (p.p.m).
This should be checked daily with the test kit.

3. STEP-BY-STEP TREATMENT

Initial or New Season Treatment

a. Adjust pH to between 7.4 and 7.6.
b. In the evening, add chlorine at a rate of 10 grams per 1000 litres.(Test pool prior to adding)
c. Run filter overnight.
d. Chlorine Level: For healthy sparkling water the chlorine level should be between 2.0 and 3.0 p.p.m. The use of stabiliser will maintain the chlorine level for a longer time as it acts as a sunlight screening agent and thus minimises the loss of chlorine caused by sunlight.
   Remember the usage rates vary according to climatic conditions and the number of people using the pool.
e. Testing: Testing of pool water should be carried out daily and adjusted accordingly. pH UP and pH DOWN can be added when required but always be certain to spread the chemicals over the whole pool it is also recommended to retest before swimming to ensure levels are in the ideal level.

Daily Treatment

Refer to directions from your local pool professional on the daily treatment required based on your pool equipment and sanitisation method.

Shock Treatment
Regular shock treatment of your pool is recommended. Discuss this with your local pool professional.

Chemical Quantities
To adding chemicals: Dissolve the chemicals in a half-Filled bucket of water and pour into the pool in the stream of returning filter water or while walking around the pool.

Fittings and Skimmer Maintenance

i) To adjust inlet flow direction loosen knurled outer ring of eyeball fitting, move ball to desired position and tighten knurled ring hand tight..
ii) To clean basket only remove skimmer cover and pull it out.
iii) To attach vacuum cleaner hose, remove top cover. Put the vacuum adapter into the skimmer fill hose with water and insert vacuum hose to the vac adapter.

4. SAFETY AND CHEMICALS

- **Personal Treatment:** Avoid contact with eyes, skin or clothing. Wash immediately if there is any spillage.
- **Not to be taken internally** – harmful if swallowed.
- **Add chemicals to water: Not water to chemicals**

First Aid: If concentrates are split on skin, eyes or clothing, flush with copious quantities of water for 15 minutes and then seek medical attention.

<u>If poisoning occurs contact a doctor or Poisons Information Centre.</u>

Storage: Store under cover in a cool, dry, clean, well-ventilated place away from acids, reducing agents, ammonium compounds, wood shavings, sawdust, paper, fabrics, petrol, kerosene and other combustible materials. Always keep chemicals out of reach of children.

Handling: Keep the container away from moisture, do not allow to get damp. Avoid naked flames.

Open the container carefully and do not inhale the dust. Replace the lid immediately after use to keep out moisture and contaminant.

Never mix different chemicals.

In case of poisoning contact your local Poisons Information Centre.

5. POINTS OF SAFETY

- Have a CPR chart within the pool area
- Always have an adult swimmer present when children or non-swimmers are using the pool.
- When swimming alone, make sure that someone nearby is aware that the pool is in use.
- After eating, wait at least thirty minutes before entering the water.
- Do not dive or jump from the pool edge, or endanger others with stunts.
- It is recommended not to swim in the pool when suffering from an infectious disease.
- Never swim under the influence of alcohol.
- Avoid tracking dirt into the pool. Do not throw or bring hard or sharp objects into the pool, as they damage the liner. Keep pets out of the pool.

It is wise to learn mouth-to-mouth artificial respiration.
Please take due caution to ensure that children are supervised at all times whilst in and around the pool area.
Contact your local dealer for a range of pool safety signage.

6. LADDER SAFETY

Be sure to fill in the ladder bases with sand (not water) and to submerge the run which will be placed into the pool. This will remove any air from inside the run and allow the run to sit correctly.

My pool wall & bottom are slippery. What is the problem?
One of the first signs of incorrect chemically treated pools. Chlorine residual is too low, pH incorrect. Check with test kit, adjust chlorine and pH. Another reason could be possible algae growth, be sure to check with the pool water test kit and adjust if needed.

Why is my water cloudy?
Incorrect pH and chlorine reading. Check with test kit, maintain 7.2 – 7.6 pH, 2.0 – 3.0ppm chlorine. Insufficient time may be allowed for filtration system, extend running times to cover increased bather load or contaminants.
In the case of eye irritation, what should I do?
Check pH reading too low (over acidic) add pH UP. Too high, add pH DOWN.

Do I add chemicals to my filter?
NO. Pool chemicals should not be added directly to the filter or surface skimmer. Diatomaceous earth is the only item that should be added to the skimmer or filter (Diatomaceous Earth Filters only).

How often should I change my pool water?
With proper filtration and chlorination, the water can stay in your pool indefinitely. Small amounts of water will have to be added to compensate for splashing and evaporation.

My pool has an unpleasant odour. What is the matter?
Increase chlorine dosage. Maintain a minimum of 2.0 – 3.0 ppm chlorine range. Check pH reading.

Where can we obtain replacement parts?
Contact your local pool dealer with your details, item number, description of part and the model, description of your pool.

How can I care for my pool wall?
Wash periodically with a mild soap. Where seashore salt water is present use clear non-yellowing household or auto-wax on metal parts. Coat all exposed screw & bolt heads with clear outdoor varnish or matching paint.
Scratches on the pool wall & frame may be touched up with colour matched enamel paint available from your pool dealer or hardware store.

What should I do in case of corrosion?
Tighten & seal around your skimmer & inlet if corrosion appears in these areas. Carefully wire brush away all loose material on affected areas of the wall. Apply a coat of anti-rust enamel primer & allow to dry. Apply a coat of colour matching anti-rust enamel paint. It is important to maintain a strict periodic pool wall inspection schedule.

How often should I filter my pool?
Run the filter for a minimum of 8 hours per day during the swimming season. In the winter run for 2-3 hours per week or as required.

Can I vacuum my pool?
Use a vacuum head with soft/smooth edges on liner surfaces.
DO NOT attempt to vacuum up leaves, twigs, stones or other debris. Large debris must be netted from the pool before vacuuming.

Can I use a pool cleaner?
Only use pool cleaners designed for vinyl liner pools.

What should I do with my pool during vacation?
Check and adjust pH. Raise chlorine level to 3ppm. Engage a responsible person to check and keep chlorine level 3ppm and run filter for at least 4 hours daily. Use cover if possible.

Can I mix chemicals with chlorine?
NO, DEFINITELY NOT UNDER ANY CIRCUMSTANCES. Mix & disperse chemicals as described in instructions.

Why does my water turn green?
Because of algae growth. Algae may impart a green, red or brownish colour to the water. (Or phosphates in your water).

What is algae?
Algae is a microscopic plant life that thrives and multiplies very rapidly in warm, unchlorinated, nutrient rich water or water that has an incorrect pH.
Algae causes slimy patches and stains to develop on the bottom and sides of the pool.
However, whilst the pool water may appear to be clear it is possible that algae growth is present.

How do I remove algae from the pool?
The only way to ensure that the algae growth is restricted is to ensure that your water is chemically treated correctly with a chlorine residual of no less than 2.0 – 3.0 ppm and a pH 7.2 – 7.6 on the test kit. Add an algaecide.

When is the best time to chlorinate my pool?
In the evening when the sun has gone down and the day's swimming is completed. High temperature and sunlight tend to dissipate chlorine rapidly.

20 YEAR PRO-RATA WARRANTY

1. Driclad Pool Technology Pty Ltd ('us/we/our') is the manufacturer of the pool that you have recently purchased.
2. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.
3. In addition to your statutory rights, we agree, subject to the following causes, to repair or replace any manufacturing defects to the structural steel or resin components of this pool on the following basis:

   a. WALLS
   (i) If we are notified of the defect to the pool wall within seven (7) years from the date of purchase of the pool, we will send a replacement part for the defective pool wall at our cost (including freight).; and
   (ii) If we are notified of the defect to the pool wall between:
   A. Year 7-10 we cover 70% of the cost of the defective parts, you pay 30%;
   B. Year 10-13 we cover 50% of the cost of the defective parts, you pay 50%;
   C. Year 13-16 we cover 30% of the cost of the defective parts, you pay 70%; and
   D. Year 16-20 we cover 10% of the cost of the defective parts, you pay 90%,

   b. POSTS & CHANNELS
   (i) If we are notified of the defect to the pool post and/or channel within eight (8) years from the date of purchase of the pool, we will send a replacement part for the defective pool post or channels at our cost (including freight).; and
   (ii) If we are notified of the defect to the pool post and/or channel between:
   A. Year 8-11 we cover 60% of the cost of the defective parts, you pay 40%;
   B. Year 11-15 we cover 40% of the cost of the defective parts, you pay 60%; and
   C. Year 15-20 we cover 20% of the cost of the defective parts, you pay 80.

   c. DECKS & VERTICALS
   (i) If we are notified of the defect to the pool resin deck and/or vertical within eight (8) from the date of purchase of the pool, we will send a replacement part for the defective pool resin deck and/or vertical at our cost (including freight).; and
   (ii) If we are notified of the defect to the pool resin deck and/or vertical between:
   A. Year 8-11 we cover 50% of the cost of the defective parts, you pay 40%;
   B. Year 11-15 we cover 40% of the cost of the defective parts, you pay 60%; and
   C. Year 15-20 we cover 20% of the cost of the defective parts, you pay 80%.

   d. SKIMMER
   (i) If we are notified of the defect to the pool skimmer within first year from the date of purchase of the pool, we will send a replacement part for the defective pool skimmer at our cost (including freight).; and
   (ii) If we are notified of the defect to the pool skimmer between:
   A. Year 1-10 we cover 50% of the cost of the defective parts, you pay 50%;
   B. Year 10-14 we cover 40% of the cost of the defective parts, you pay 60%;
   C. Year 14-20 we cover 20% of the cost of the defective parts, you pay 80%.

4. We do not warrant against fair wear and tear, damage caused by misuse or negligence, including but not limited to, the pool not being installed in accordance with the installation instructions, not following the cleaning and care instructions, not using the pool equipment, such as automatic, electronic or salt chlorinator, recommended by us, and not using the pool for its intended purpose (domestic swimming).
5. **This warranty does not include the repair or replacement of a defective pool liner.** You should refer to the pool liner supplier and/or manufacturer for all claims relating to defects associated with the pool liner.
6. This warranty does not include the repair or replacement of defective pool equipment. You should refer to the pool equipment supplier and/or manufacturer for all claims relating to defects associated with the pool equipment.
7. To claim under the warranty you should contact us as soon as you become award of the defect at the telephone number, or email or address below. You will be provided with a form to a complete and return to us, together with your proof of purchase.
8. If we request to inspect any part(s) alleged to be defective, you must arrange, at your cost, for the part(s) to be delivered/made available for inspection at the retail outlet where the pool was purchased.
9. Any part(s) requested to be inspected by us, pursuant to paragraph 8 above, should first be cleaned and dried, as not to cause a health hazard.

10. If within warranty, and the pool wall, post, channel, deck, vertical, or skimmer components or the pool is defective, we will pay the freight to have this delivered to the retail outlet where it was purchased.
11. This warranty is not transferrable.

Manufacturers Contact Details:
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Ph: +61 3 9729 3100
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