



ZODIAC

PAPERBARK

**Braceless and Braceless Deep End
Assembly Manual
2010-2011**

To be used in
conjunction with
the DVD.



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Dear Customer,

Congratulations! You are now the owner of an innovative Zodiac swimming pool that will allow you to make the most of your summer. These instructions will help you easily and correctly install your Zodiac modular pool. Read them carefully and make sure you understand them before you proceed. Before you begin, here is some additional information that will help you through the installation process: Finding the right location for your pool is of the utmost importance. To find the right spot, you must ask yourself a number of questions. How far is the property line? Are there electrical lines overhead or underground? What about telephone lines, or gas and water pipes? You must also consider the slope, soil composition and drainage on your property as well as the climate, prevailing winds and available sunlight.

Minimum bearing capacity of ground under pool is to be 80k Pa. This may need an engineers soil test to verify. Unstable soil may result in the pool moving and not remaining level.

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

Installation requires a minimum of 2 people and the amount of time varies according to the size and model of the pool you have. However, it generally takes about 8 hours for an oval pool (not including the time required to prepare the site and fill up the pool).

We also suggest installing your pool on a sunny and windless day. Please refer to your Liner Supplier Instruction Manual for fitting your pool liner.

Before starting to use your pool, it is important to know all about water treatment. We also recommend that you check the fastenings (bolts and screws) every year to make sure that all of the parts are in good shape.

Ensure that the water level in your pool is maintained at the correct level for safe operation of the filtration system. Never leave your pool empty. This can result in severe damage to your pool liner.

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. 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.

If you encounter any problems during installation or if you require additional information, please contact the Zodiac retailer/dealer or contact Zodiac Group Australia Pty Ltd by phone 1800 688 552 or by fax 1300 781 688

Happy swimming!

POOL WARRANTY REGISTRATION

Your pool is warranted by Zodiac Group Australia Pty. Ltd. It is advisable to register your pool within 30 days of purchase. Complete and return your pool warranty registration card to Zodiac Group Australia. If you did not receive a warranty registration card you can register your warranty online at <http://www.zodiac.com.au> or contact your pool dealer.

POOL CARE

Like a car your pool will remain looking its best if washed occasionally. As water is splashed out of your pool onto the decks, verticals and wall, the water will evaporate leaving behind deposits of concentrated salts. This can be prevented by washing your pool with soapy water then rinsing with fresh water to remove all the salts from the metal components of your pool, even underneath the decks (rinsing with fresh water will help, but soap will give a better result).

**NOTE: THIS IS NOT A SALT WATER POOL
DO NOT USE LIQUID CHLORINE**

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 are adequate barriers to your children when the pool is not being supervised.

ALWAYS FOLLOW THE INSTRUCTIONS contained in this manual. Incorrect installation can lead to product failure and warranty voids. Please respect that your pool can be holding up to 60 tonnes of water! Make sure that when joining the pool wall all bolts and nuts are used and tightened correctly.

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 lift. Remember, lift with your knees bent and not with your back!

KEEP POOL CHEMICALS OUT OF REACH OF CHILDREN AT ALL TIMES.

INTRODUCTION

Congratulations on the purchase of your new Zodiac pool. This pool is the product of more than thirty years continuous development. The pool installation procedure has been set out in easy to follow step by step instructions with illustrations. Please take the time to read your owners manual thoroughly before and during installation of your pool. Your warranty will be void if the procedures in this manual are not followed. If you are having your pool installed by a professional installer it is your responsibility to inspect the work at all stages to ensure that each step being undertaken complies with ALL instructions. Please also read and follow the instructions relative to all accessories, i.e. pumps and filtration prior to installation.

IMPORTANT POINTS

LOCAL REGULATORY BODIES

When installing a new pool, you must comply with your local safety regulations and codes. As these regulations vary from council to council it is a must that you check with your local council what the requirements for your site are, i.e. fencing requirements. **COMPLYING WITH LOCAL REGULATIONS AND CODES ARE YOUR RESPONSIBILITY.**

CONTRACT INSTALLATIONS

Proper installation procedures are essential to ensure the best performance and durability of our pools in service. This pool is designed for DIY installation and is easy to install following our comprehensive instructions. Zodiac are not affiliated 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 to undertake the work, ensuring that their work complies with instructions contained in this manual. Zodiac does not accept responsibility for poor or incorrect pool installations.**

BEFORE YOU START

Before attempting pool installation, please make yourself familiar with the DVD and this manual. Make sure that the instructions relate to the correct pool. Take the time to study the step by step procedures; an extra half an hour now could save complications later on.

Allow plenty of time for installation, start early in the day. The installation process is made up of six defined stages.

1. Site selection

2. Site preparation

3. Frame installation

4. Wall installation

5. Liner installation (Please refer to your Liner Supplier Instructions Manual)

6. Skimmer box installation

Great care should be taken with all stages. If the site preparation and cross channel installation are not done with care and/or by following the instructions contained in this manual the structural integrity of your pool may be reduced.

Take time, check and re-check.

Check lists can be found at the start of each frame installation section. **Do not commence installation with parts missing.**

Ensure that you have all the required tools on hand before commencing and make sure that you have help on hand at all times.

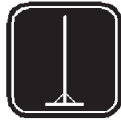
IMPORTANT

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

TOOLS REQUIRED



Cement



Compactor



Duct Tape



Hammer



Measuring Tape



Pick or mattock



3 Phillips head screw drivers



Rake



Shovel



Soil / sand spreader



Spray paint



Spirit level



**Steel Pegs
12 x 15" (40cm)**



String line



Trowel



Water filler roller



Water hose



Water level tube



Wheelbarrow

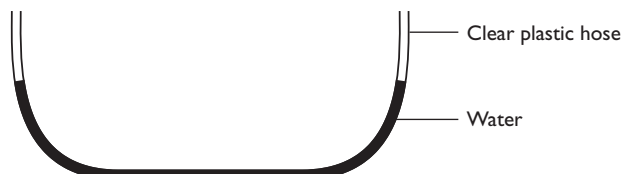


**Wooden plank / straight edge
2m x 100mm x 50mm**



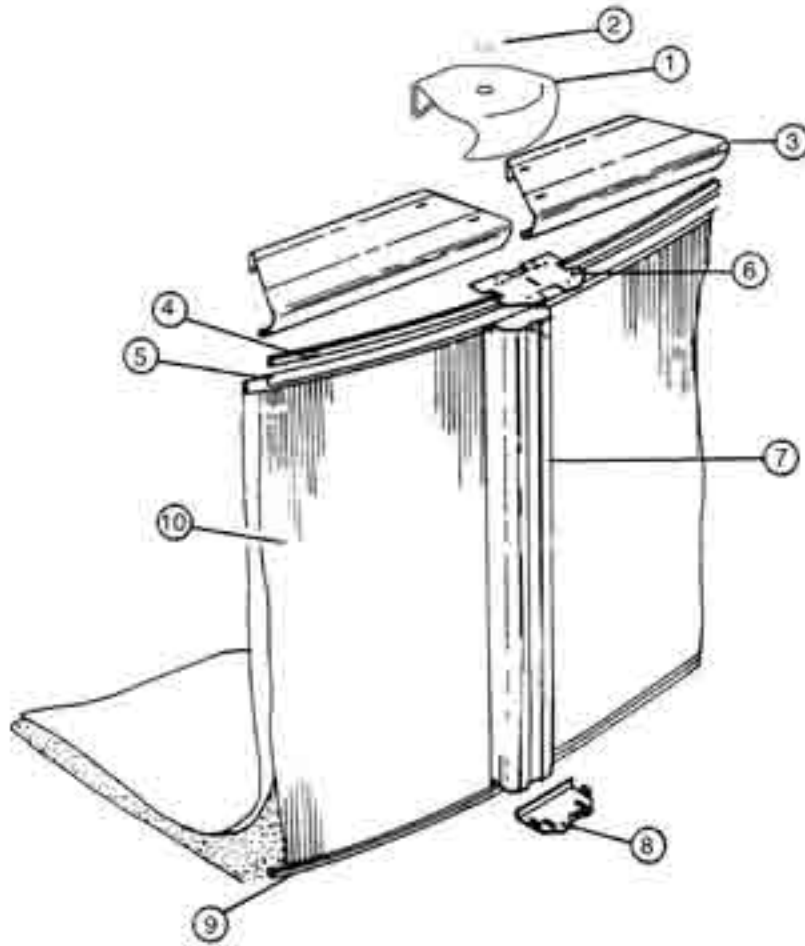
**Wrench ½" (12mm)
Wrench ¼ (6mm)**

Cut a piece of 9mm tubing around 20cm long, fill the tubing with water. This can then be used to find the level between one side and the other.



PARTS LIST BRACELESS ROUND MODELS

ROUND POOLS



BRACELESS ROUND POOLS - PAPERBARK 1.32M

Item	Description	Part Number	12'	15'
1	Cover Plate Wheat	P7785020WH	10	12
2	Cover Plug Wheat	P7785030WH	10	12
3	Deck Mitred	P160380	10	12
4	Top Stabiliser Rail	P160357	10	12
5	Flat Ribbed Coping	PFLATLINE	10	12
6	Connector Plate Top	P160056	10	12
7	Vertical Post Wheat	P160365	10	12
8	Connector Plate Bottom	P160054	10	12
9	Bottom Rail	P160057	10	12
	Skimmer Complete Wide Mouth	P130003		
	Wall Pack Kit			
	"Pool Wall, Bolts, Nuts, Washers."			
	Hardware Pack Kit			
	"Bolts, Nuts, Washers, Screws"			
	Instruction Manual			
	Warranty Card			
10	Pool Wall	TUSCAN	PWAL 500	PWAL 501
10	Pool Wall	STONE	PWAL 600	PWAL 601

IMPORTANT

Please ensure that all your parts for your pool model have been received. Contact your pool dealer if any parts are missing. Do not proceed with installation until you have all the parts required to install your pool.

PARTS LIST BRACELESS OVAL MODELS

BRACELESS OVAL PAPERBARK POOLS 1.32M

Item	Description	Part Number	1612	2012	2412	2812	2315	2715	3015	3815
1	Cover Plate Wheat	P7785020WH	12	14	16	18	16	18	20	24
2	Cover Plug Wheat	P7785030WH	12	14	16	18	16	18	20	24
3	Deck Mitred Wheat	PI60380	12	14	16	18	16	18	20	24
4	Top Stabiliser Rail	PI60357	12	14	16	18	16	18	20	24
5	Flat Ribbed Coping	PFLATLINE	12	14	16	18	16	18	20	24
6	P Post	PPOSTS	2	4	6	8	4	6	8	12
7	Special Bottom Connector	PI60110	2	4	6	8	4	6	8	12
8	Bottom Rail Intermediate	PI60058		2	4	6	2	4	6	10
9	Connector Plate Top	PI60056	12	14	16	18	16	18	20	24
10	Vertical Post Wheat	PI60365	12	14	16	18	16	18	20	24
11	Connector Plate Bottom	PI60054	10	10	10	10	12	12	12	12
12	Bottom End Rail	PI60057	12	12	12	12	14	14	14	14
13	Joiner Channel Female E	PI60563	2	4	6	8	4	6	8	12
14	Joiner Channel Male D	PI60564	2	4	6	8	4	6	8	12
15	Joiner Channel C	PI60562					2	3	4	6
	Skimmer Complete Wide Mouth		1	1	1	1	1	1	1	1
	Wall Pack Kit		1	1	1	1	1	1	1	2
	“Pool Wall, Bolts, Nuts, Washers.”									
	Pool Liner		1	1	1	1	1	1	1	1
	Hardware Pack Kit		1	1	1	1	1	1	1	1
	“Bolts, Nuts, Washers, Screws.”									
	Instruction Manual		1	1	1	1	1	1	1	1
	Warranty Card		1	1	1	1	1	1	1	1
16	Pool Wall Part Number	TUSCAN	PWAL 502	PWAL 503	PWAL 505	PWAL 507	PWAL 504	PWAL 506	PWAL 508	PWAL 509 510
16	Pool Wall Part Number	STONE	PWAL 602	PWAL 603	PWAL 605	PWAL 607	PWAL 604	PWAL 606	PWAL 608	PWAL 609 610

IMPORTANT

Please ensure that all your parts for your pool model have been received. Contact your pool dealer if any parts are missing. Do not proceed with installation until you have all the parts required to install your pool.

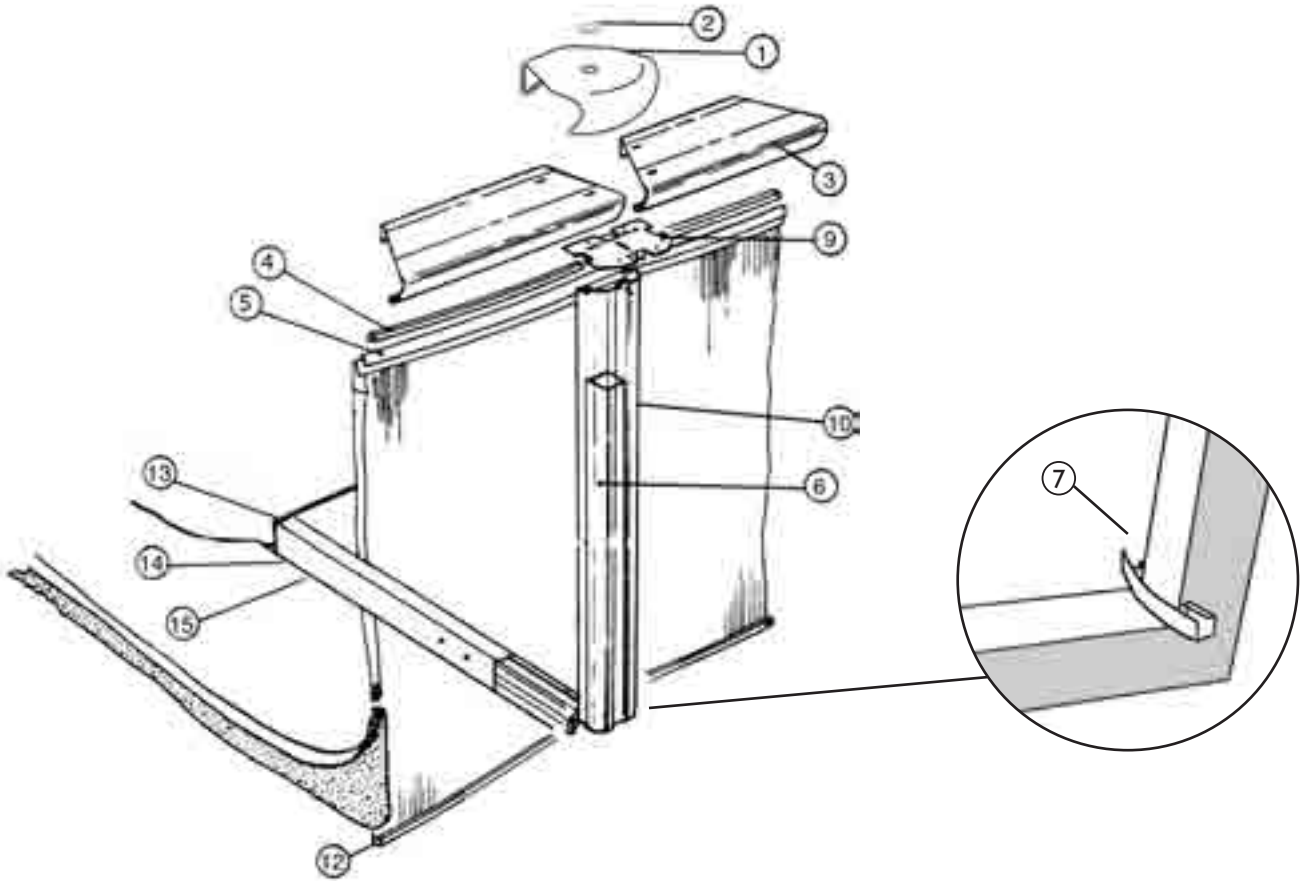
CHANNEL IDENTIFICATION

CHANNEL E (FEMALE) ORANGE (PI60563)	• • 1095mm • •
CHANNEL D (MALE) YELLOW (PI60564)	• • 1095mm • •
CHANNEL C (FEMALE) GREEN (PI60562)	• • 1135mm • •
CHANNEL B (MALE) WHITE (PI60561)	• • 1140mm • •

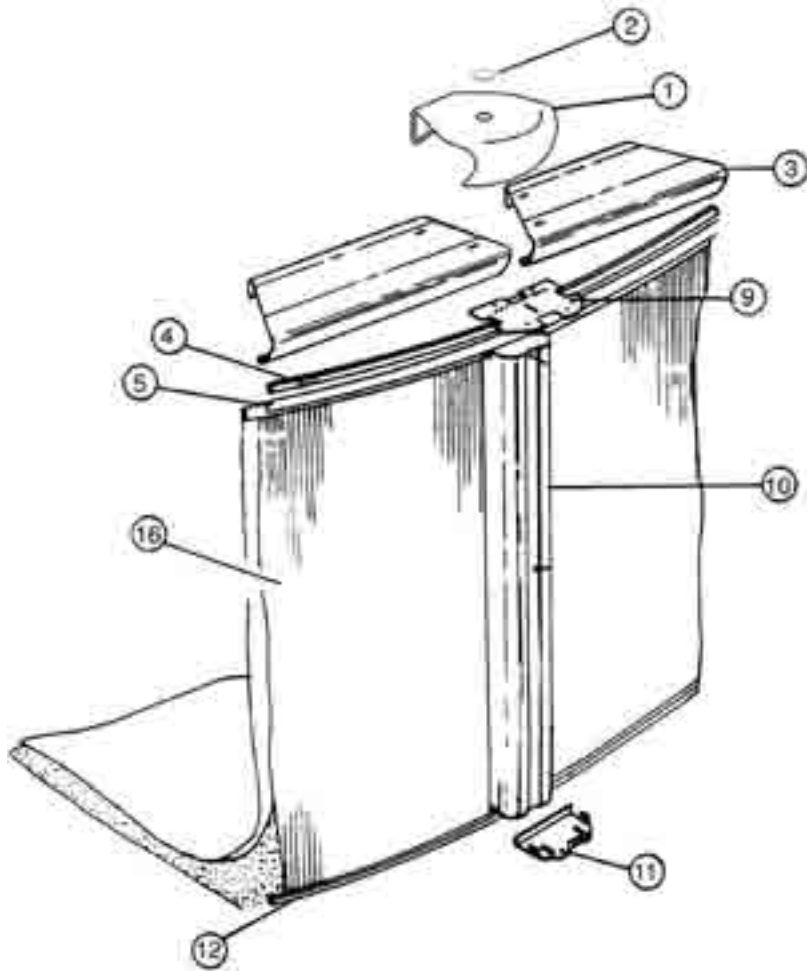
NOTE: IN ORDER TO CORRECTLY ASSEMBLE CHANNELS, IT IS ESSENTIAL THAT THE INSTRUCTIONS IN THE MANUAL ARE FOLLOWED CORRECTLY.

PARTS LIST BRACELESS OVAL MODELS

STRAIGHT SIDE



OVAL END



**BRACELESS SPACESAVER OVAL POOLS
PAPERBARK 1.32M**

Item	Description	Part Number	1810	2210	2610
1	Cover Plate Wheat	P7785020WH	14	16	18
2	Cover Plate Plug	P7785030WH	14	16	18
3	Deck Short Wheat	P160373T	8	8	8
4	Deck 12ft Wheat	P160374T	4	4	4
5	Deck Straight Wheat	P160377T	2	4	6
7	Flat Ribbed Coping	PFLATLINE	14	16	18
8	P Post	PPOSTS	4	6	8
9	Special Bottom Connector	P160110	4	6	8
10	Bottom Rail Intermediate	P160058	2	4	6
11	Connector Plate Top	P160056	14	16	18
12	Vertical Post Wheat	P160365	14	16	18
13	Connector Plate Bottom	P160054	10	10	10
14	Bottom Rail 10' Spacesaver	P160040	16	16	16
15	Bottom Rail Round	P160057	4	8	8
16	Joiner Channel Female C	P160562	4	6	8
17	Joiner Channel Male B	P160561	2	3	4
	Skimmer Complete Wide Mouth	P130003	1	1	1
	Wall Pack Kit		1	1	1
	"Pool Wall, Bolts, Nuts, Washers."				
	Hardware Pack Kit		1	1	1
	"Bolts, Nuts, Washers, Screws."				
	Instruction Manual		1	1	1
	Warranty Card		1	1	1
18	Pool Wall Part Number	TUSCAN	PWAL 511	PWAL 512	PWAL 513
18	Pool Wall Part Number	STONE	PWAL 611	PWAL 614	PWAL 616

IMPORTANT

Please ensure that all your parts for your pool model have been received. Contact your pool dealer if any parts are missing. Do not proceed with installation until you have all the parts required to install your pool.

CHANNEL IDENTIFICATION

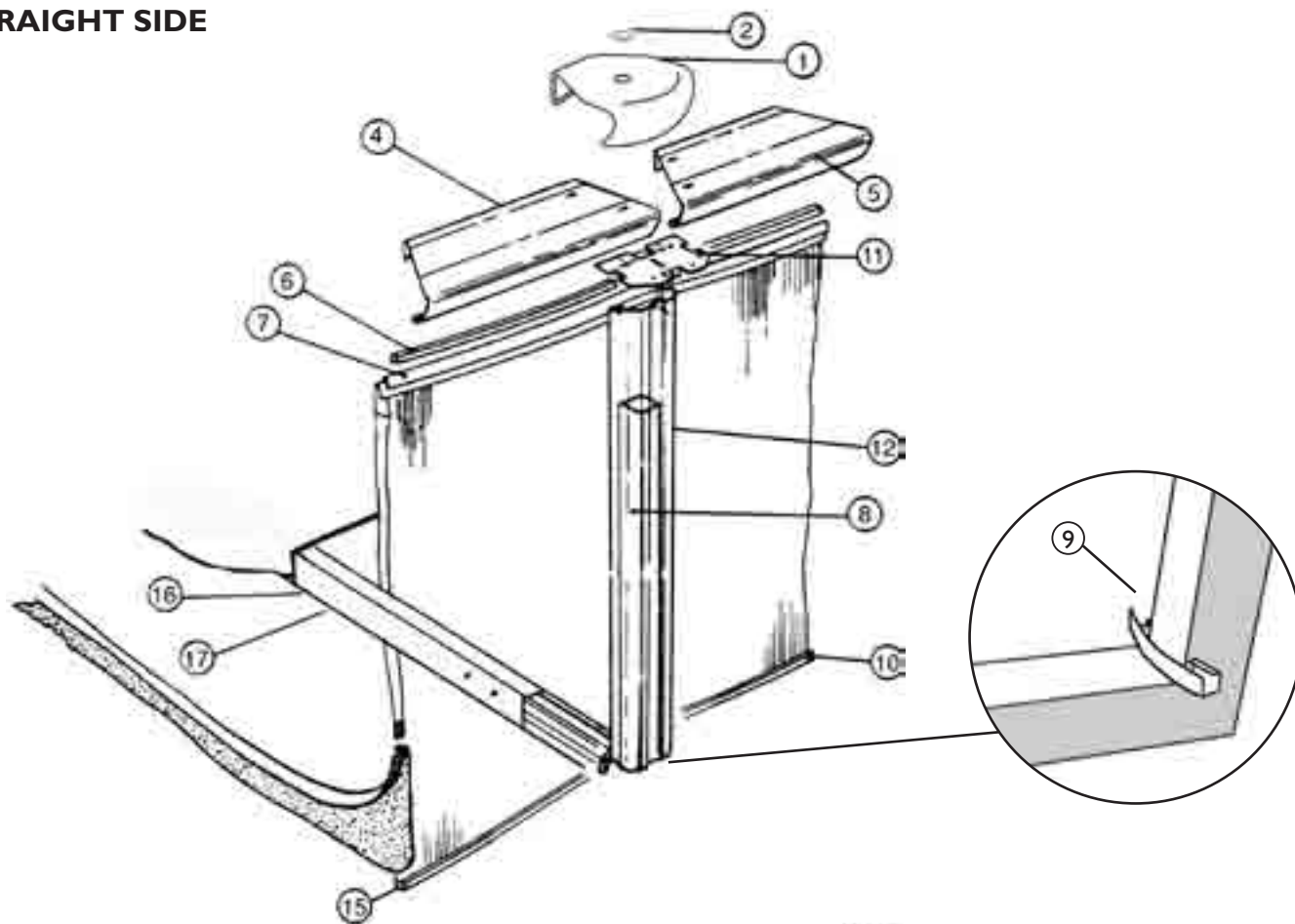
CHANNEL C (FEMALE)
GREEN (P160562)



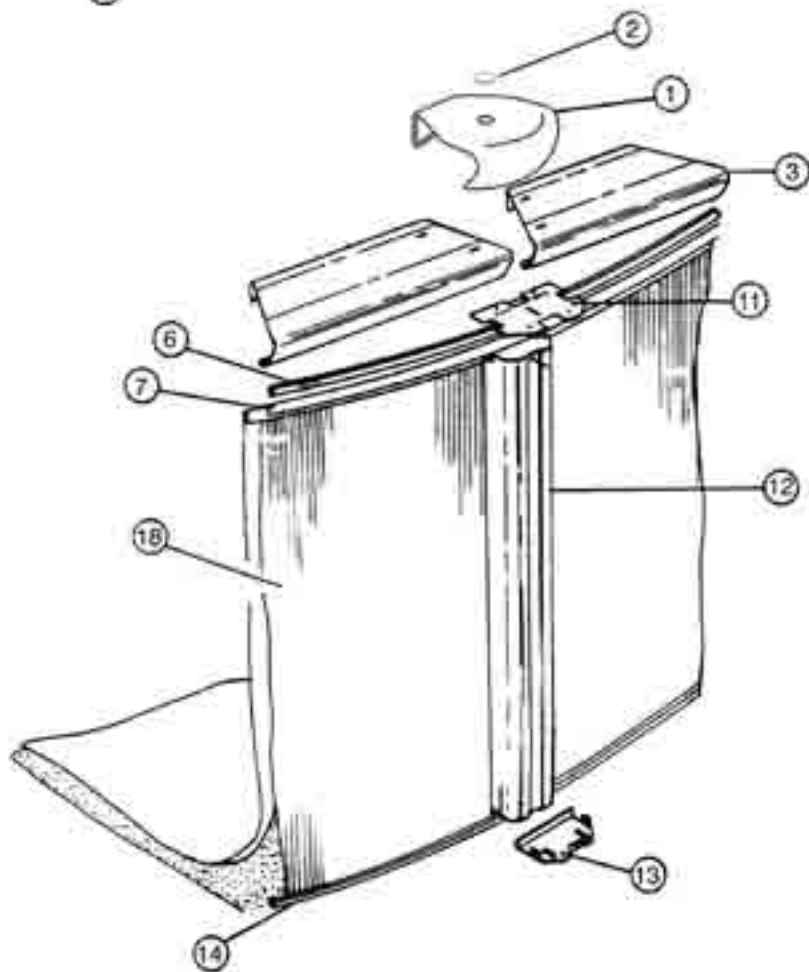
CHANNEL B (MALE)
WHITE (P160561)



STRAIGHT SIDE



OVAL END



DEEPEND BRACELESS OVAL PAPERBARK POOLS

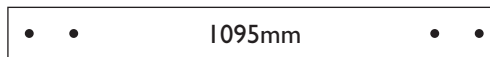
Item	Description	Part Number	2412	2812	2715	3015	3815
1	Cover Plate Wheat	P7785020WH	16	18	18	20	24
2	Cover Plug Wheat	P7785030WH	16	18	18	20	24
3	Deck Mitred Wheat	PI60380	16	18	18	20	24
4	Top Stabiliser Rail	PI60357	16	18	18	20	24
5	Flat Ribbed Coping	PFLATLINE	16	18	18	20	24
6	P Post	PPOSTS	2	4	2	4	8
7	Special Bottom Connector	PI60110	6	8	6	8	12
8	Bottom Rail Intermediate	PI60058	4	6	4	6	10
9	Connector Plate Top	PI60056	16	18	18	20	24
10	Vertical Post Wheat	PI60365	16	18	18	20	24
11	Connector Plate Bottom	PI60054	16	18	18	20	24
12	Bottom End Rail	PI60057	12	12	14	14	14
13	Joiner Channel Female E	PI60563	2	4	2	4	8
14	Joiner Channel Male D	PI60564	2	4	2	4	8
15	Joiner Channel C	PI60562			3	4	6
Deep End Models Only			2412	2812	2715	3015	3815
16	P Posts DE	PPOSTSDE	8	8	8	8	8
17	Short Joiner	PI60567	4	4	4	4	4
18	Long Joiner	PI60560	2	2	2	2	2
	Skimmer Complete Wide Mouth		1	1	1	1	1
	Wall Pack Kit		1	1	1	1	2
	"Pool Wall. Bolts, Nuts, Washers."						
	Pool Liner		1	1	1	1	1
	Hardware Pack Kit		1	1	1	1	1
	"Bolts, Nuts, Washers, Screws."						
	Instruction Manual		1	1	1	1	1
	Warranty Card		1	1	1	1	1
19	Pool Wall Part Number	TUSCAN	PWAL 505	PWAL 507	PWAL 506	PWAL 508	PWAL 509 510
19	Pool Wall Part Number	STONE	PWAL 605	PWAL 607	PWAL 606	PWAL 608	PWAL 609 610

IMPORTANT

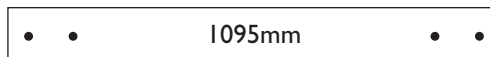
Please ensure that all your parts for your pool model have been received. Contact your pool dealer if any parts are missing. Do not proceed with installation until you have all the parts required to install your pool.

CHANNEL IDENTIFICATION

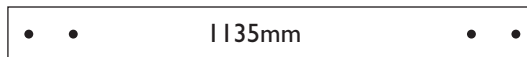
CHANNEL E (FEMALE)
ORANGE (PI60563)



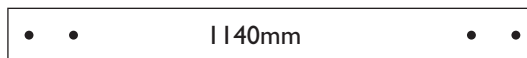
CHANNEL D (MALE)
YELLOW (PI60564)



CHANNEL C (FEMALE)
GREEN (PI60562)



CHANNEL B (MALE)
WHITE (PI60561)



SHORT JOINER (FEMALE)
(PI60567)

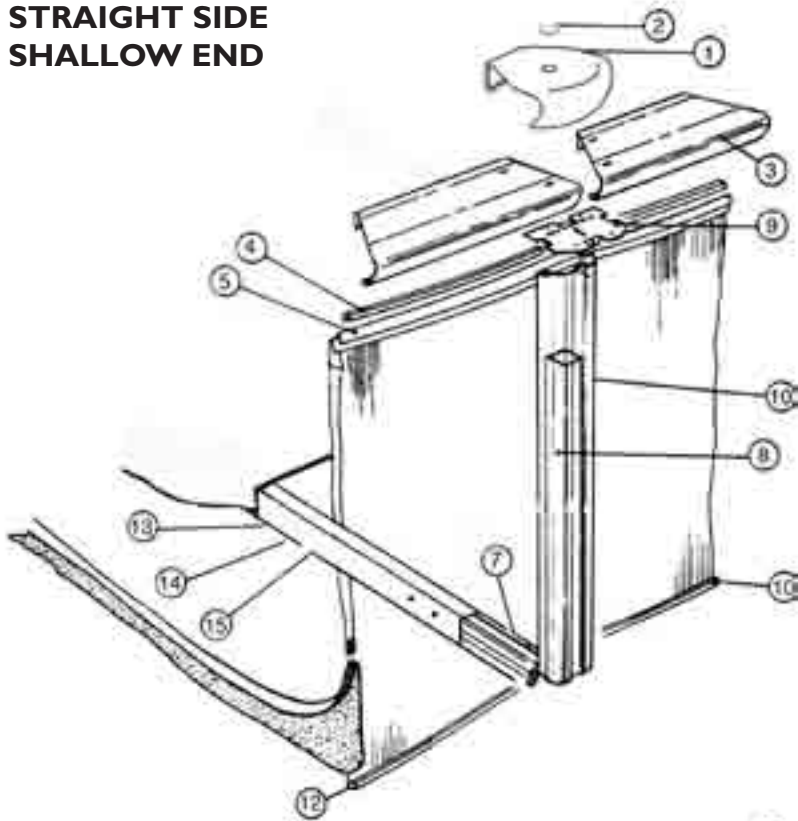


LONG JOINER (MALE)
RED (PI60560)

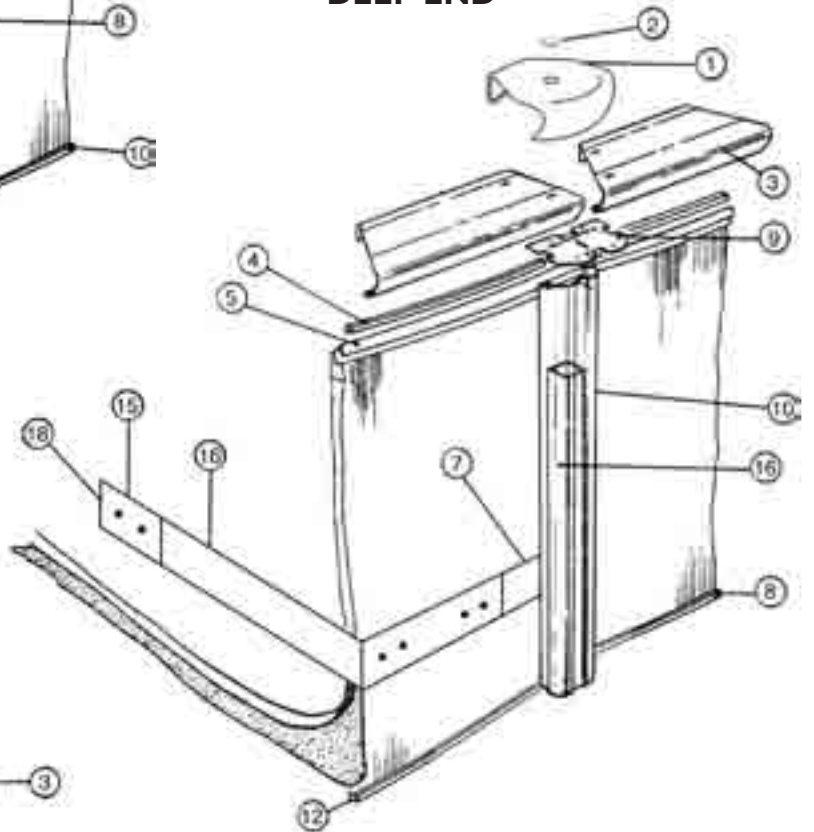


Overall channel lengths may vary by +/- 3mm.

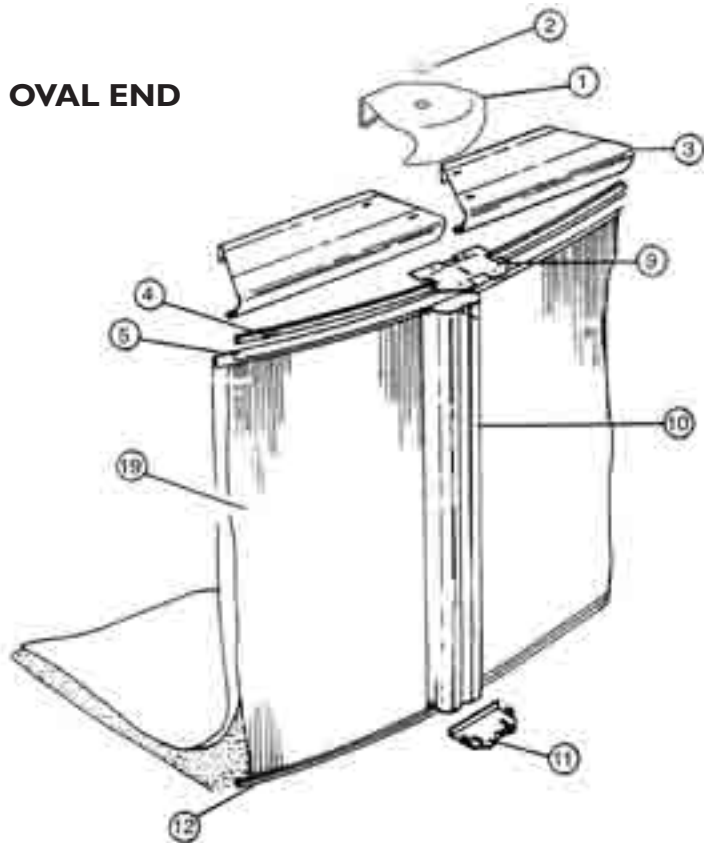
**STRAIGHT SIDE
SHALLOW END**



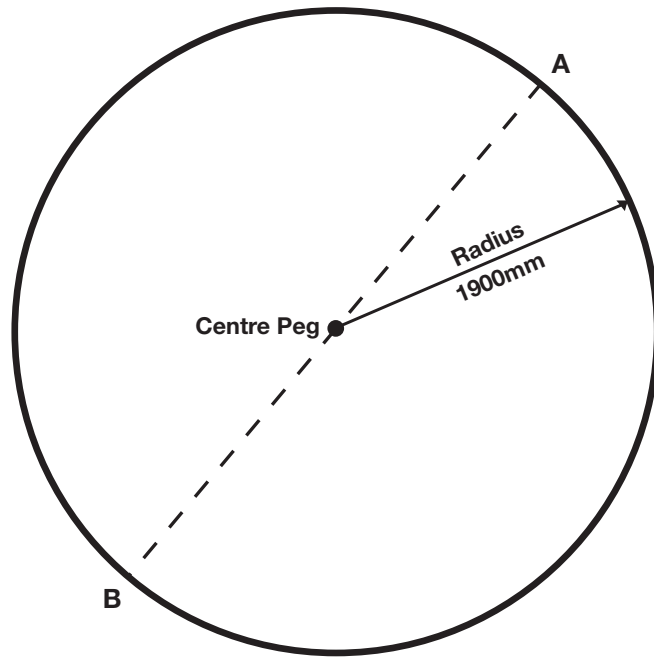
**STRAIGHT SIDE
DEEP END**



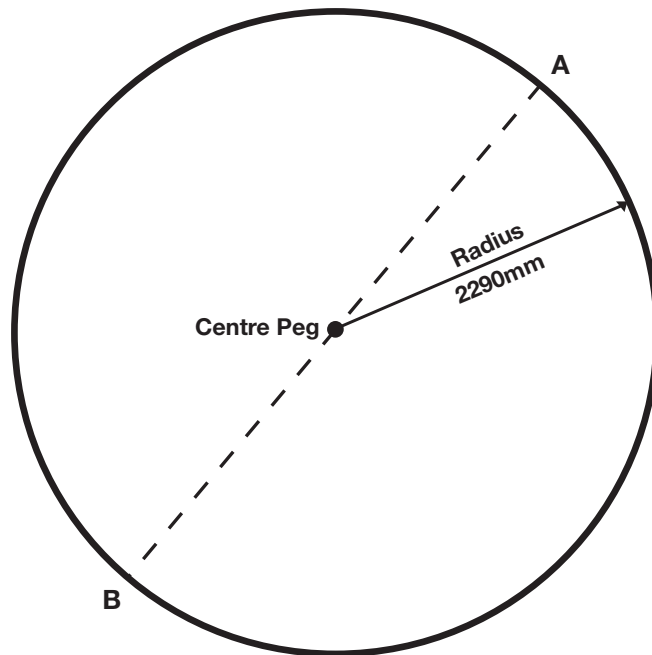
OVAL END



MODEL 12'
3.8M
11,900 LITRES

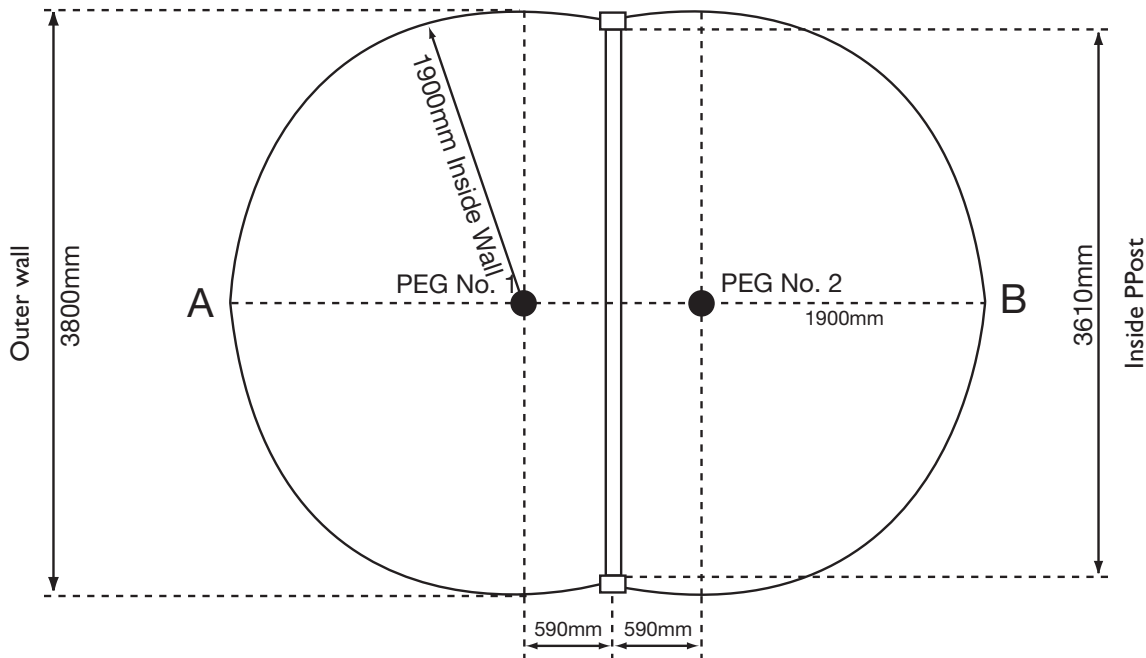


MODEL 15'
4.58M
17,300 LITRES



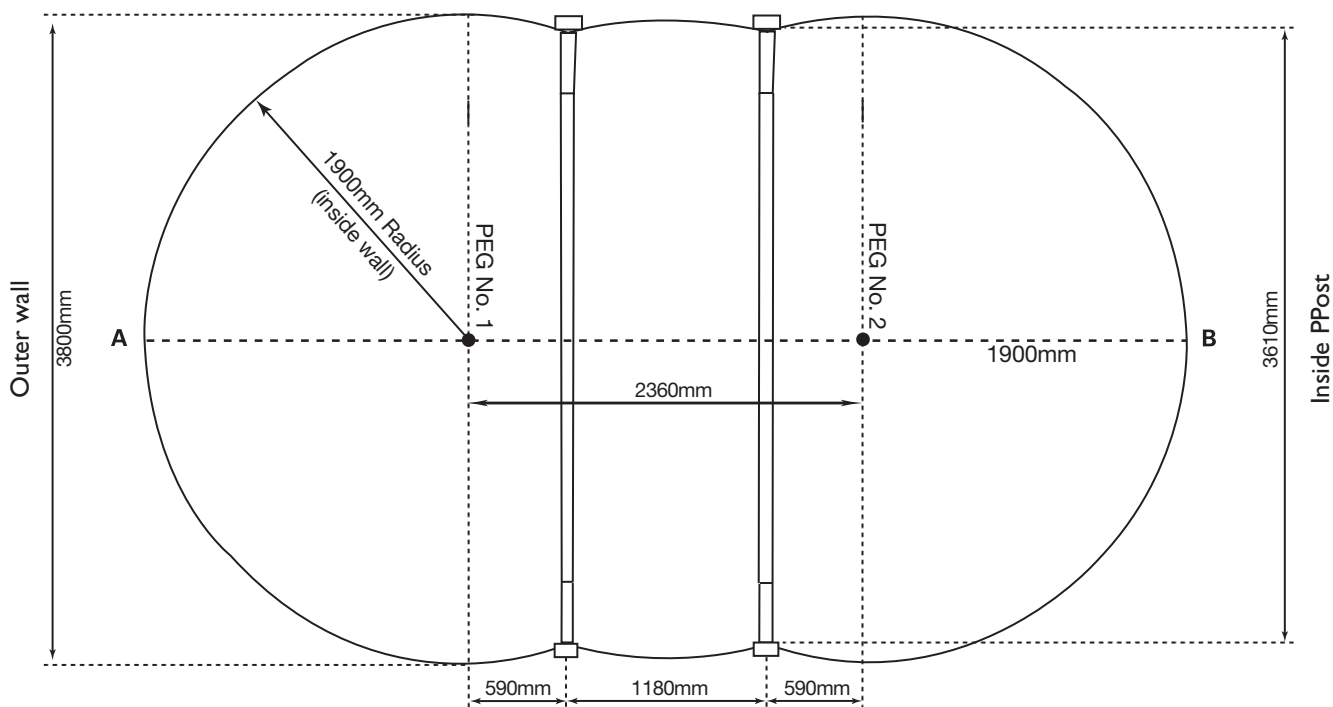
OVAL MODELS

MODEL 1612
4.980 X 3.8M
16,400 LITRES



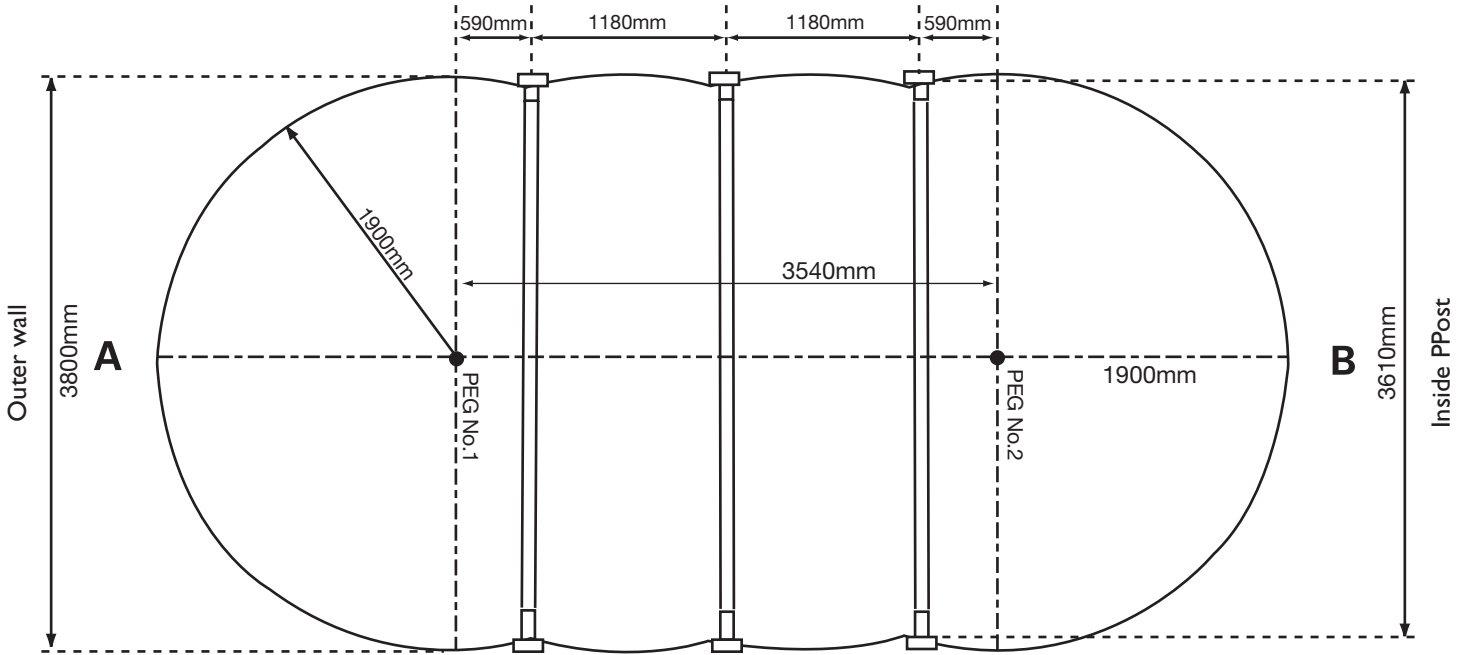
NOTE: 590MM AND 1180MM MEASUREMENTS MUST BE TAKEN FROM THE CENTRE OF THE POSTS, NOT THE CENTRE OF THE CHANNELS.

MODEL 2012
6.160 X 3.8M
20,850 LITRES



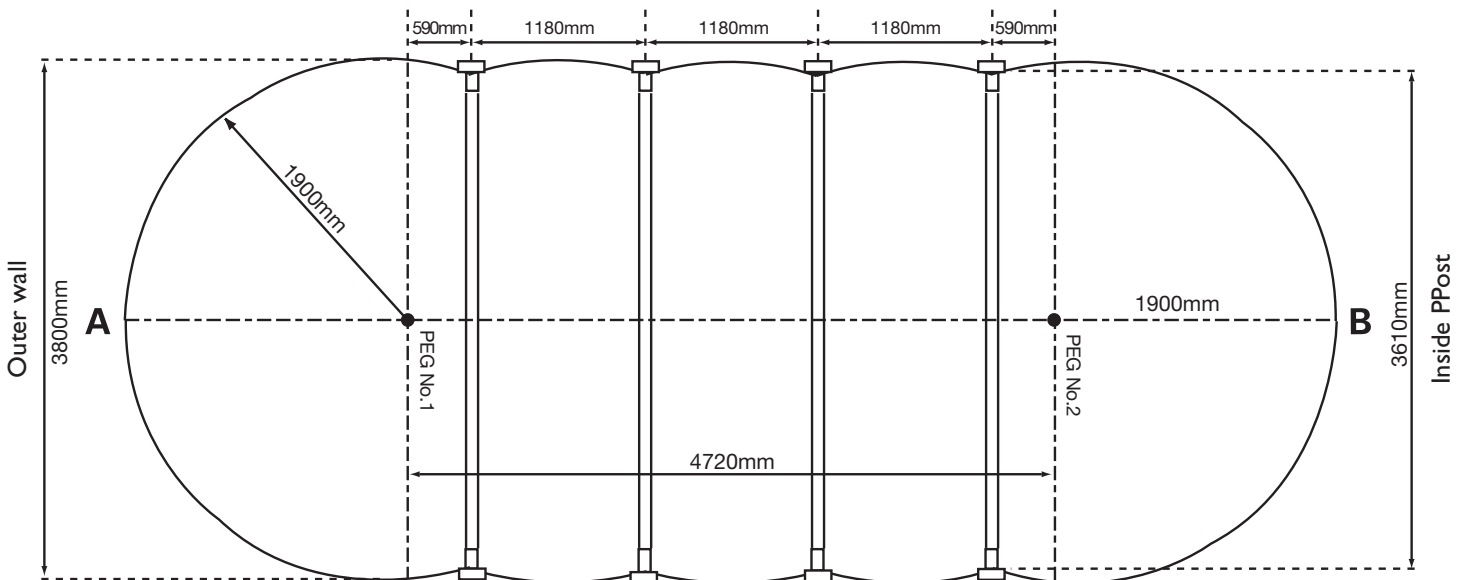
POOL IDENTIFICATION AND LAYOUT PLANS

MODEL 2412
7.340 X 3.8M
25,300 LITRES



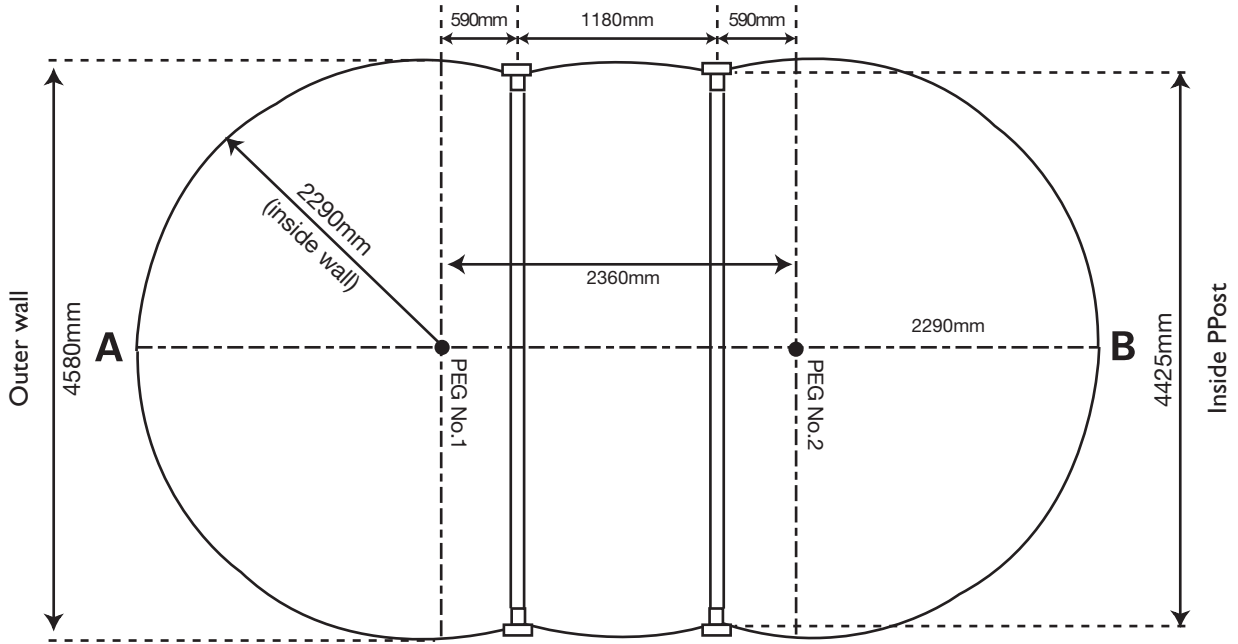
NOTE: 590MM AND 1180MM MEASUREMENTS MUST BE TAKEN FROM THE CENTRE OF THE POSTS, NOT THE CENTRE OF THE CHANNELS.

MODEL 2812
8.52 X 3.8M
29,800 LITRES



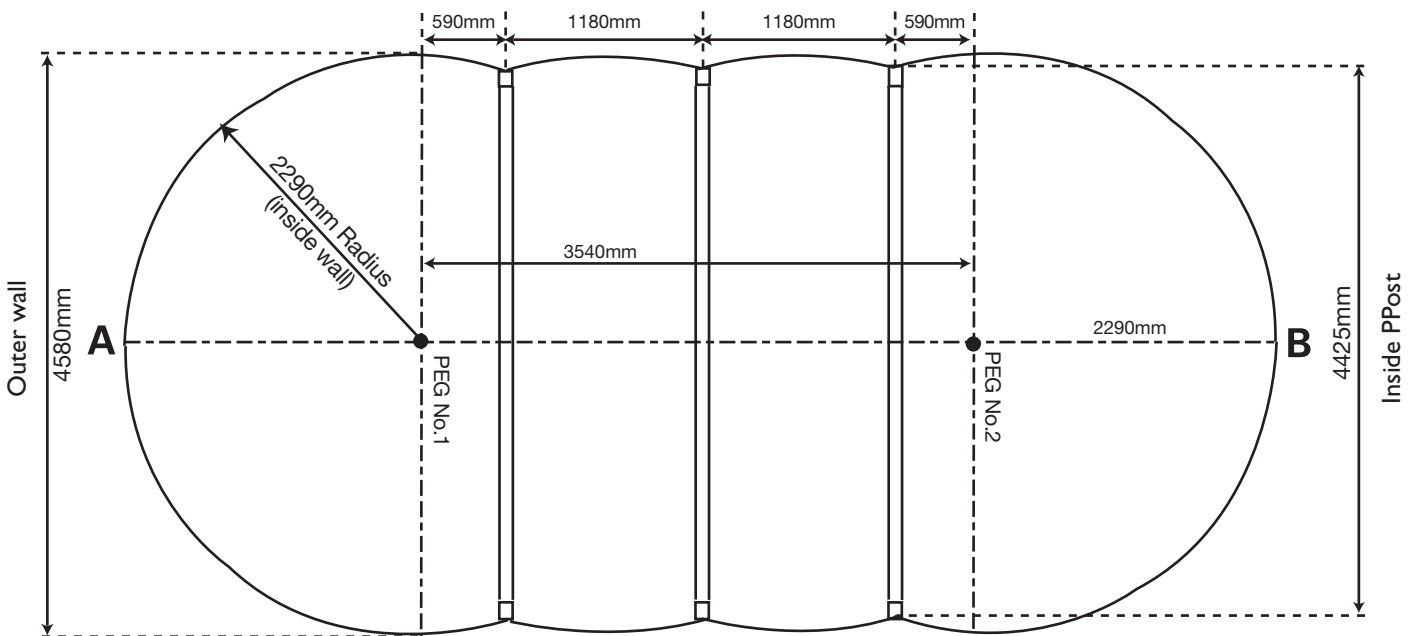
POOL IDENTIFICATION AND LAYOUT PLANS

MODEL 2315
6.940 X 4.580M
28,300 LITRES



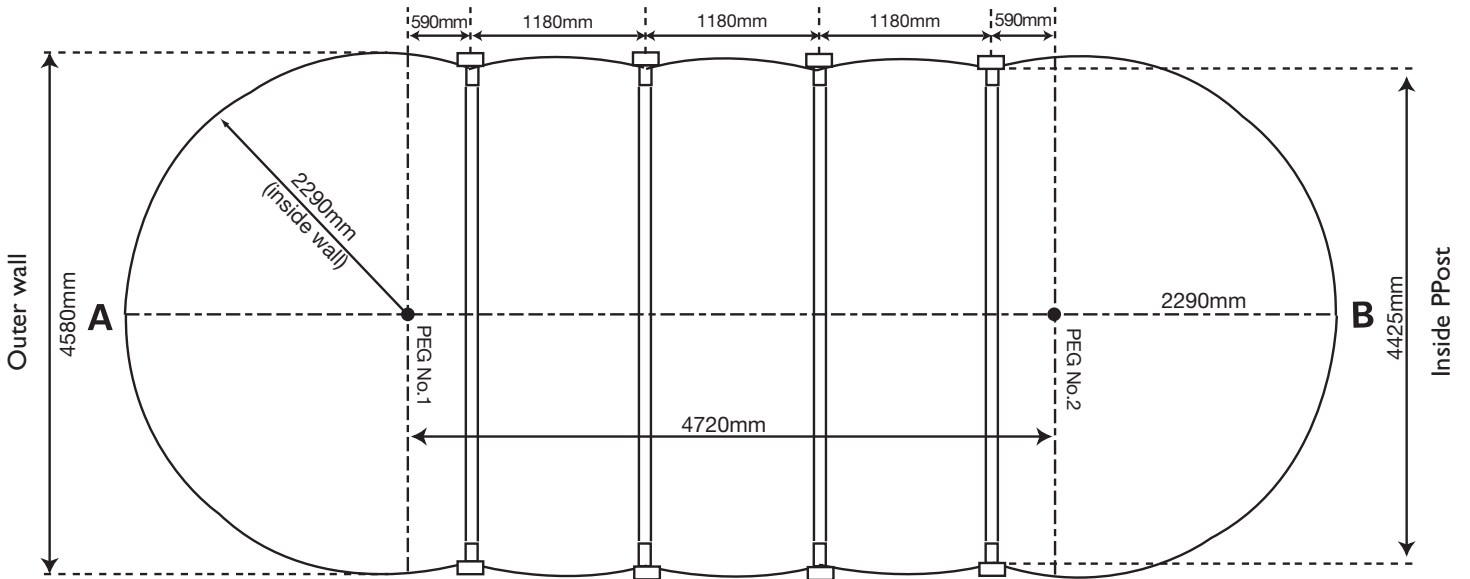
NOTE: 590MM AND 1180MM MEASUREMENTS MUST BE TAKEN FROM THE CENTRE OF THE POSTS, NOT THE CENTRE OF THE CHANNELS.

MODEL 2715
8.1 X 4.5M
33,750 LITRES



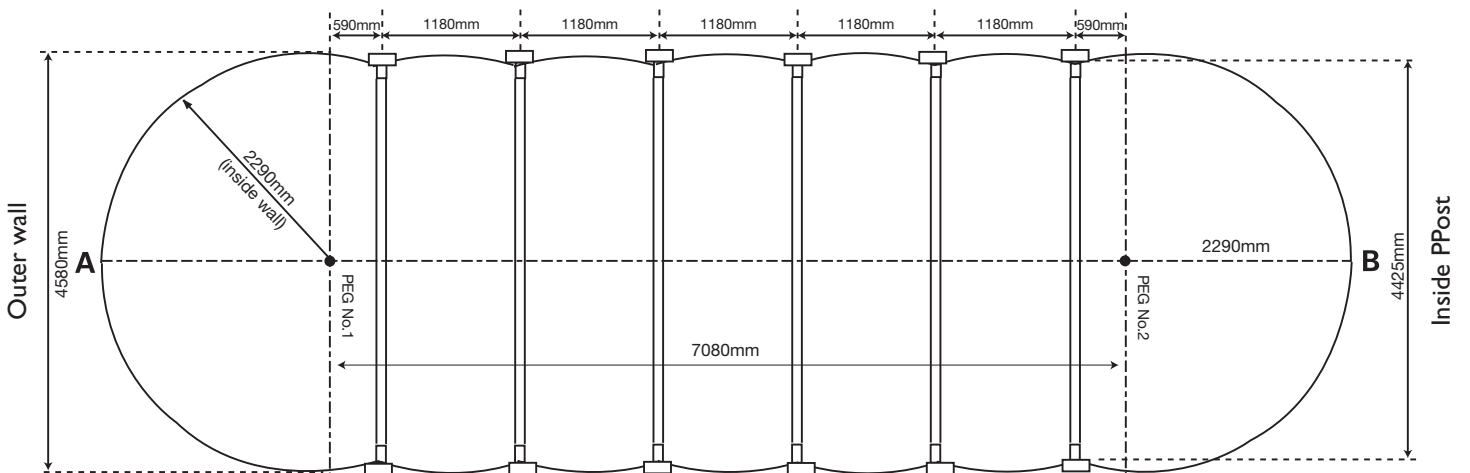
POOL IDENTIFICATION AND LAYOUT PLANS

MODEL 3015
9.3M X 4.5M
39,250 LITRES



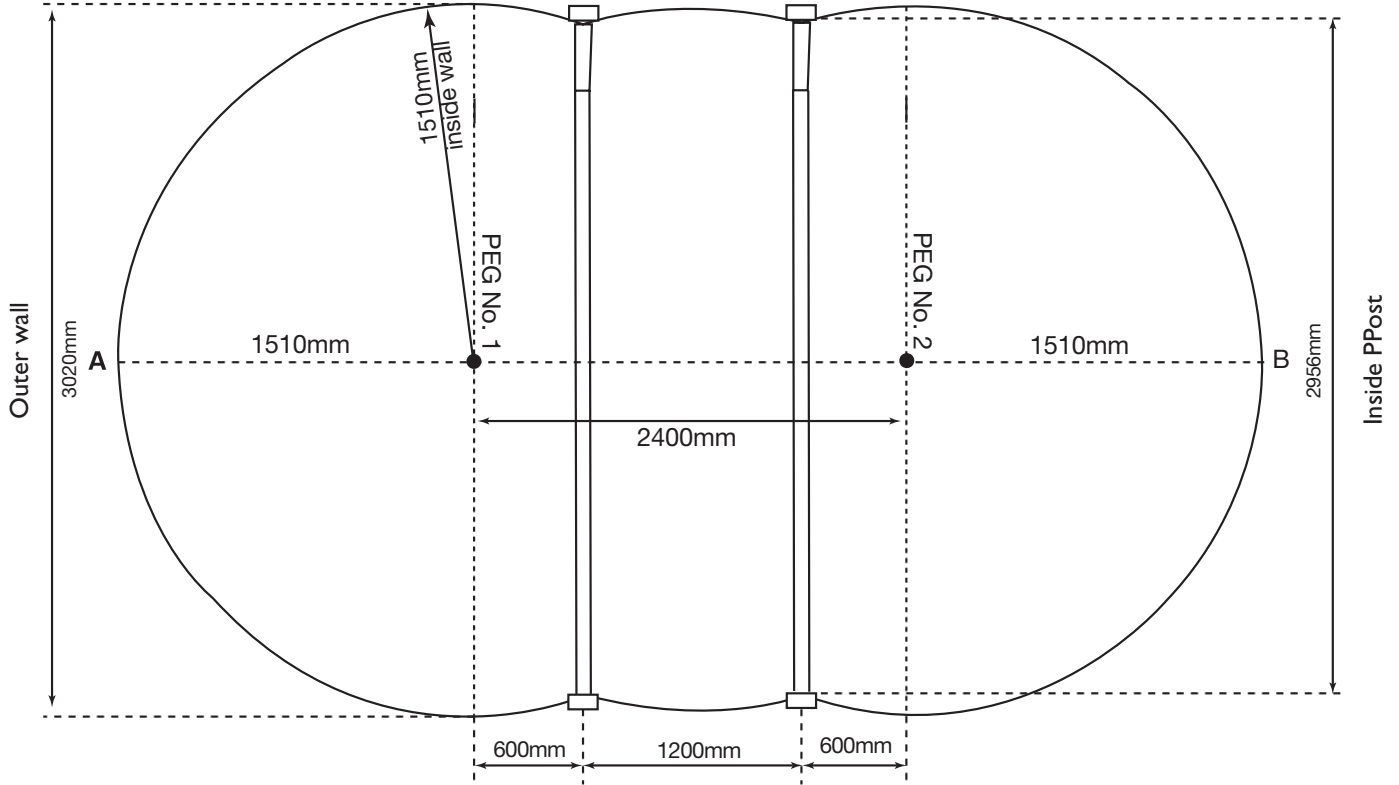
NOTE: 590MM AND 1180MM MEASUREMENTS MUST BE TAKEN FROM THE CENTRE OF THE POSTS, NOT THE CENTRE OF THE CHANNELS.

MODEL 3815
11.66M X 4.580M
50,200 LITRES



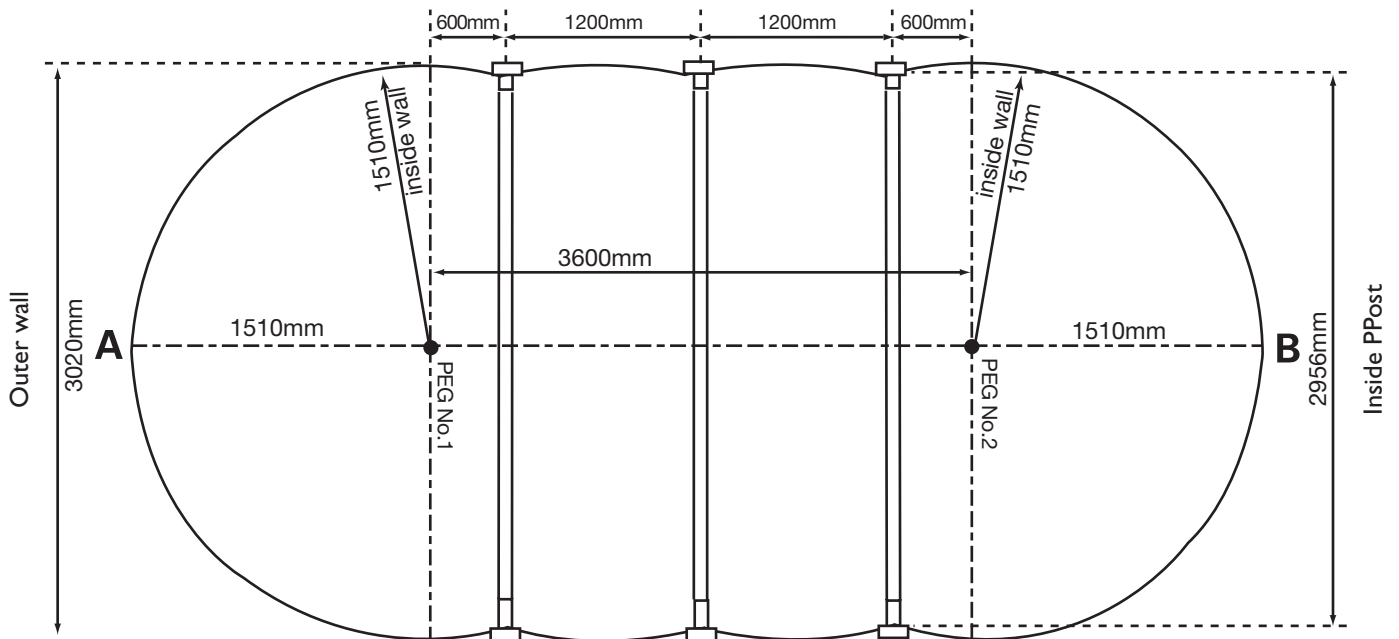
SPACESAVER MODELS

MODEL 1810
5.42 X 3.02M
14,600 LITRES



NOTE: 600MM AND 1200MM MEASUREMENTS MUST BE TAKEN FROM THE CENTRE OF THE POSTS, NOT THE CENTRE OF THE CHANNELS.

MODEL 2210
6.62 X 3.02M
18,200 LITRES



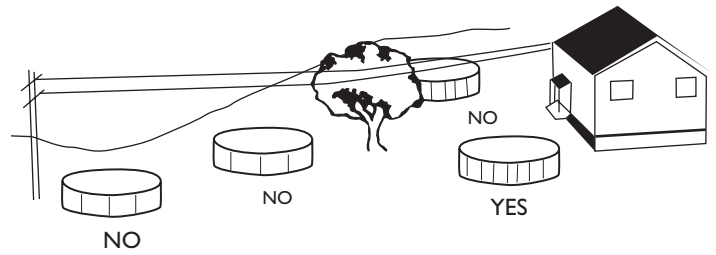
NOTE
For Deep End Pools,
refer to page 31
for the excavation plans
and frame assembly.

DETERMINE POOL LOCATION

Look over the various pool locations shown at right

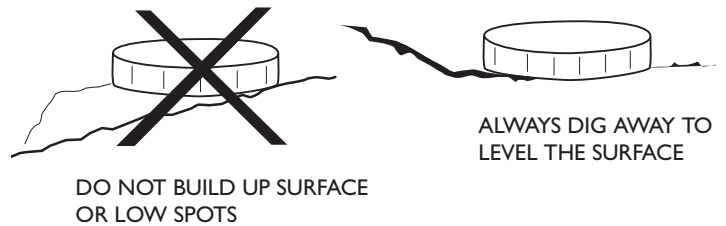
TERRAIN

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 major water drainage depression or sewer drain field. Ground area around the pool foundation should be level for 900mm out from base of pool.



CONVENIENT ELECTRICAL OUTLETS

Your pump and other accessories are operated by electricity. If there are no outside electrical outlets, you must have them installed by a qualified electrician.



OVERHEAD ELECTRICAL WIRES

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

UNDERGROUND CABLES – CHECK WITH LOCAL AUTHORITIES!

Before you start digging into the ground to level the surface, it would be wise to check with your council as to the location of any underground lines or pipes. **Dial 1100.**

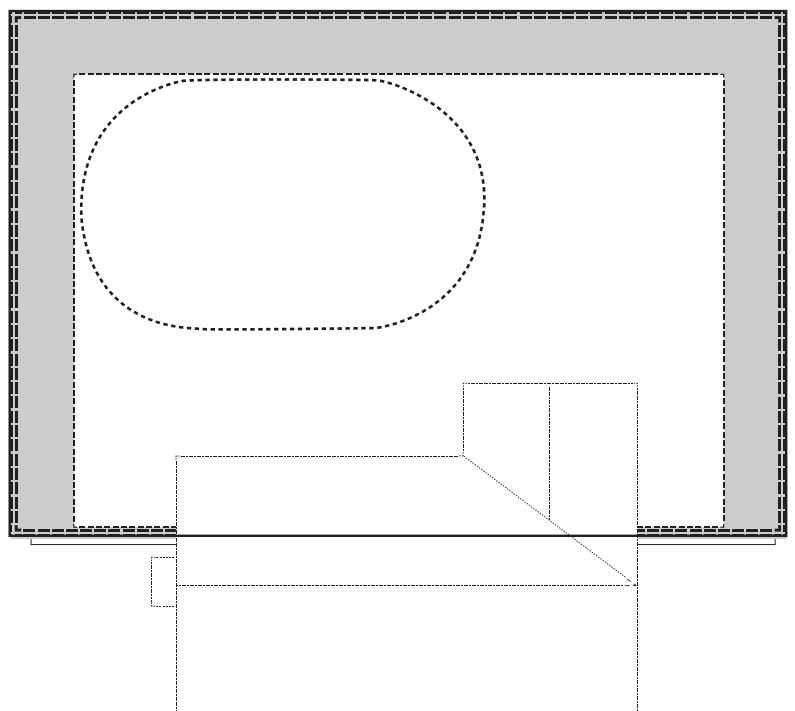
TREES

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 falling into the pool). These materials will necessitate cleaning your filter unit more often. The further away from the tree, the better for your pool.



When 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 municipality.

Important: Make sure the pool wall is at least 1 metre from the fence so that the substructure can be installed.

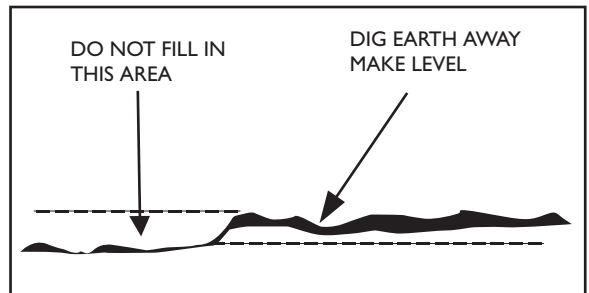
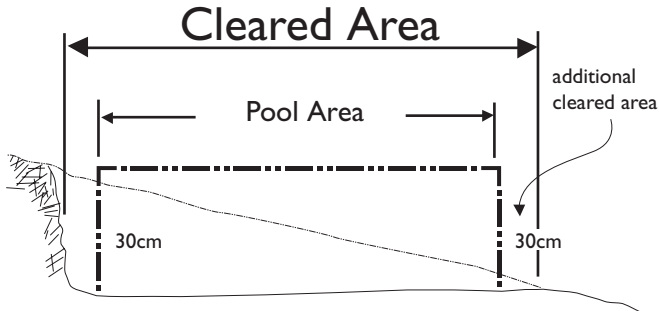


2. SITE PREPARATION

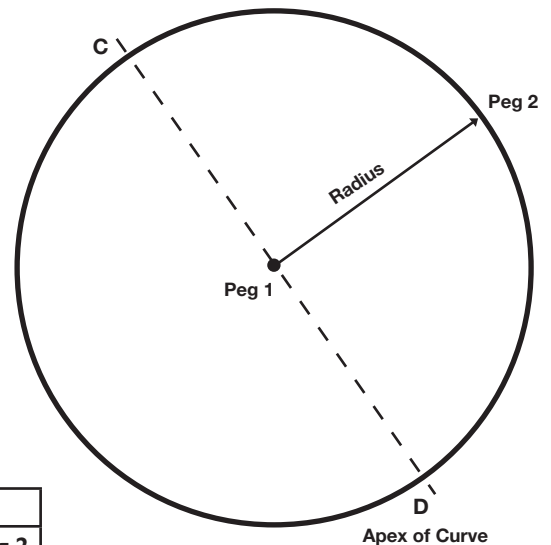
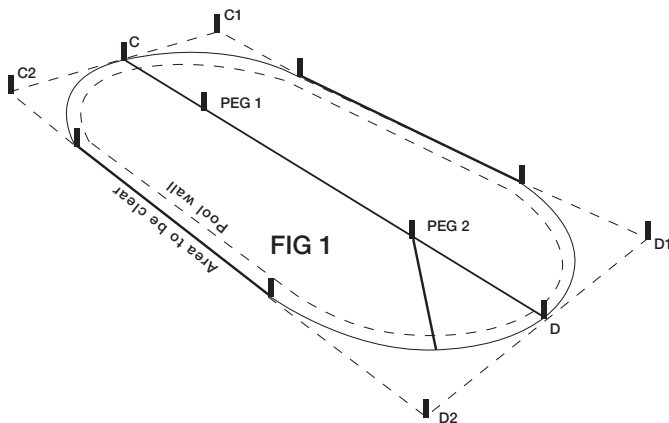
CLEAR AREA

Clear the area of anything which may damage the pool. Remove any grass, weeds, stones, asphalt, and tarred paper. Remove and treat any onion weed or nutgrass with a suitable noxious weed spray. **(NOTE: If weed killer is used refer to manufactures instructions relating to waiting periods before installing your pool, some poisons will adversely effect the liner).** Remove all dead plants as part of site preparation. All of these may puncture the pool liner.

Roughly level an area allowing at least 30cm extra distance around the pool as shown. 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.



NOTE: The measurements in this section are for the area to be cleared which is larger than the actual pool. Refer to your pool model layout plan for pool measurements.

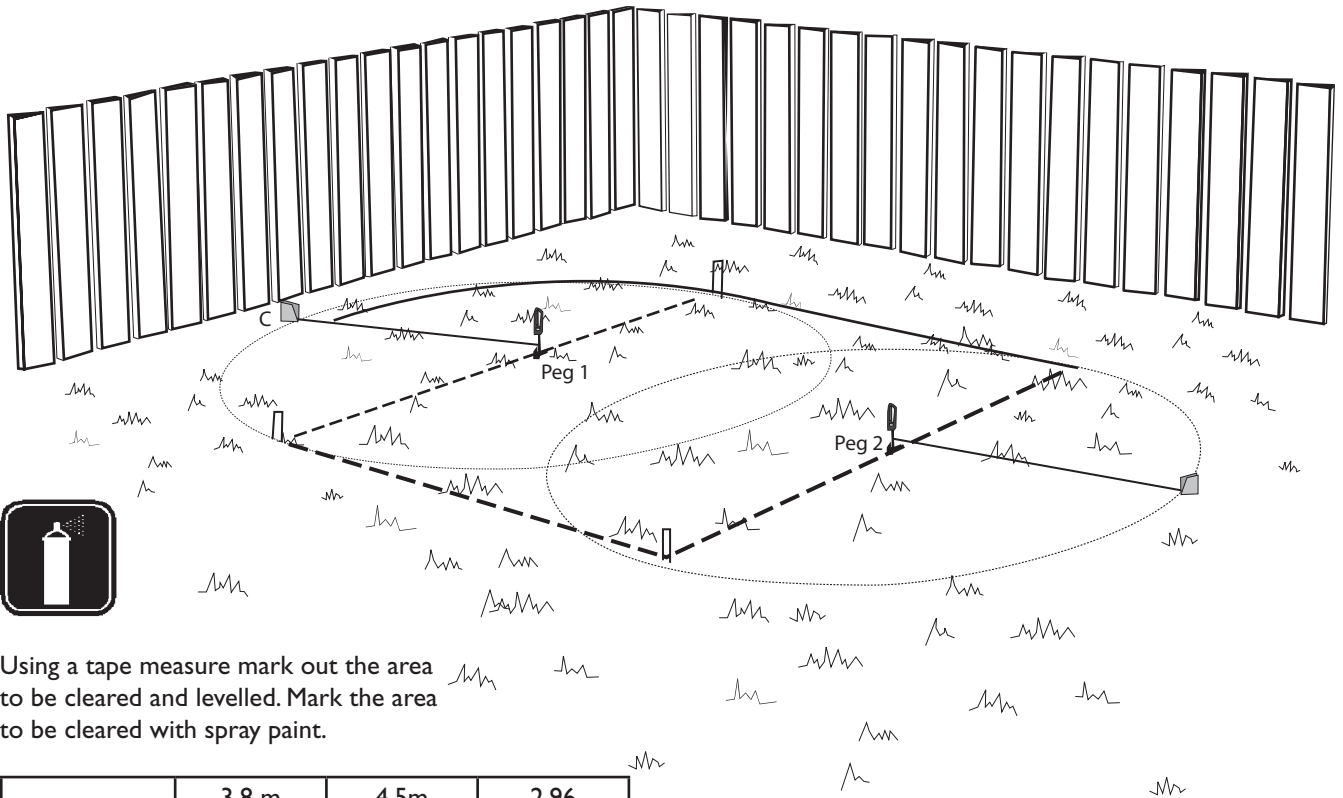


OVAL POOLS – Area to be cleared				
Pool Model	C to D	C1 to C2, D1 to D2	C to Peg 1, D to Peg 2	Peg 1 to Peg 2
M	mm	mm	mm	mm
4.98 x 3.8	5280	4100	2050	1180
6.16 x 3.8	6460	4100	2050	2360
7.34 x 3.8	7640	4100	2050	3540
8.52 x 3.8	8820	4100	2050	4720
6.94 x 4.58	7240	4880	2440	2360
8.00 x 4.58	8320	4880	2440	3440
9.30 x 4.58	9600	4880	2440	4720
11.66 x 4.58	11960	4880	2440	7080

SPACESAVER MODELS – Area to be cleared				
Pool Model	C to D	C1 to C2, D1 to D2	C to Peg 1, D to Peg 2	Peg 1 to Peg 2
M	mm	mm	mm	mm
4.22 x 2.96	4520	3320	1660	1200
5.42 x 2.96	5720	3320	1660	2400
6.62 x 2.96	6920	3320	1660	3600
7.82 x 2.96	8120	3320	1660	4800
11.42 x 2.96	11720	3320	1660	8400
15.02 x 2.96	15320	3320	1660	12000

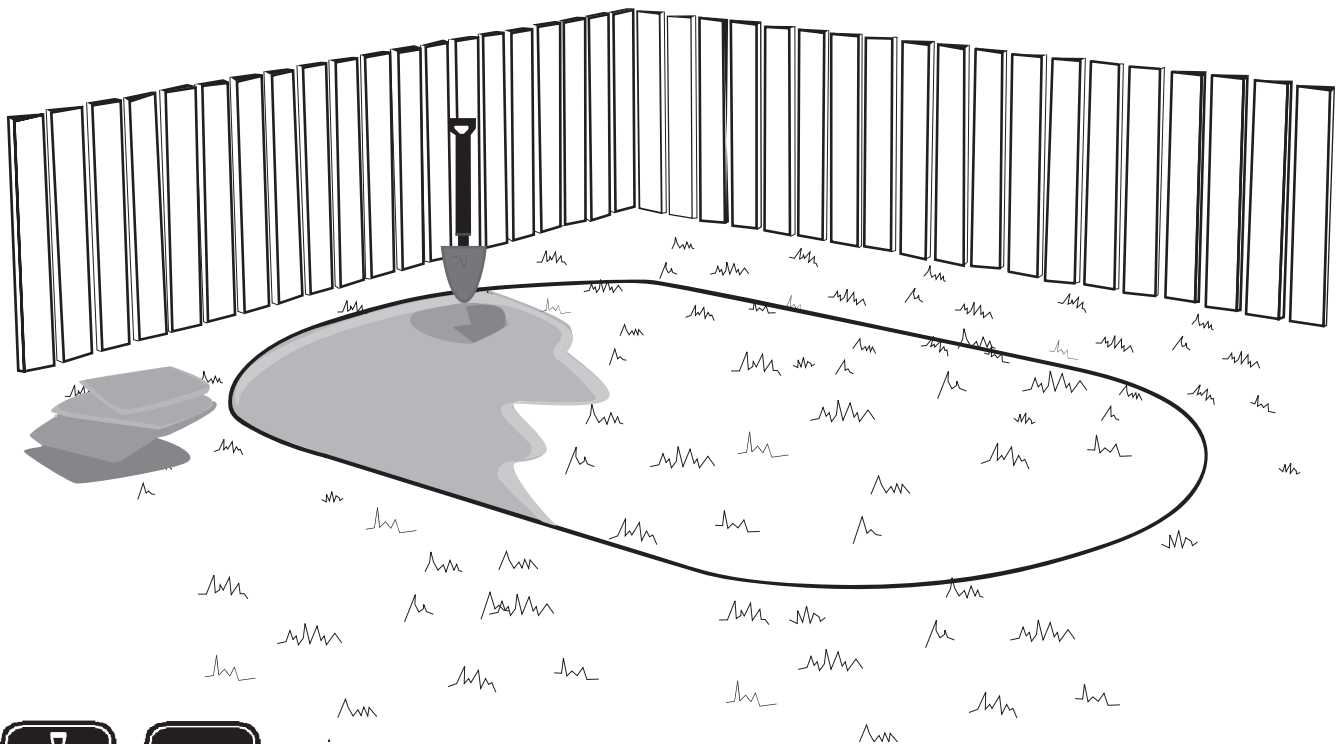
ROUND POOLS – Area to be cleared		
Pool Model	C to D	Peg 1 to Peg 2
M	mm	mm
3.8	4100	2050
4.58	4880	2440

2. SITE PREPARATION



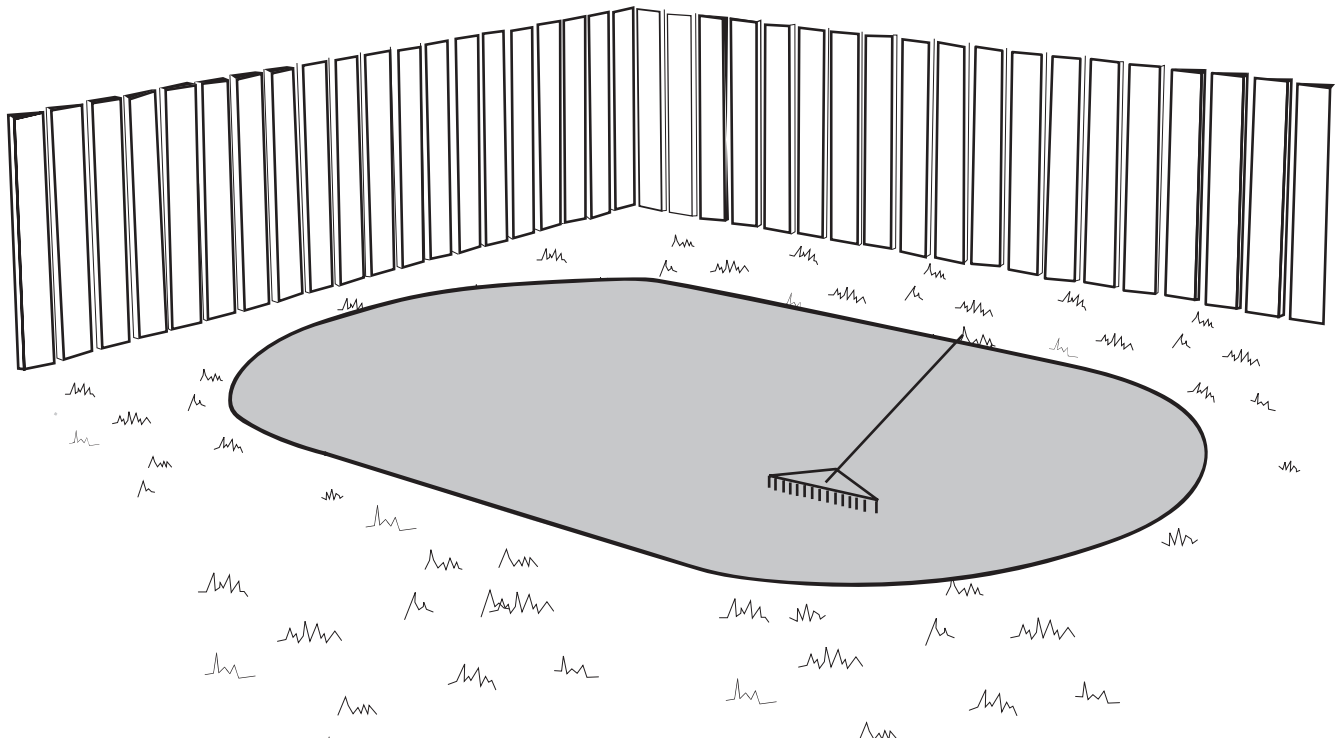
Using a tape measure mark out the area to be cleared and levelled. Mark the area to be cleared with spray paint.

	3.8 m	4.5m	2.96
Dimensions C to Peg 1 D to peg 2	2050mm	2440mm	1660mm



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

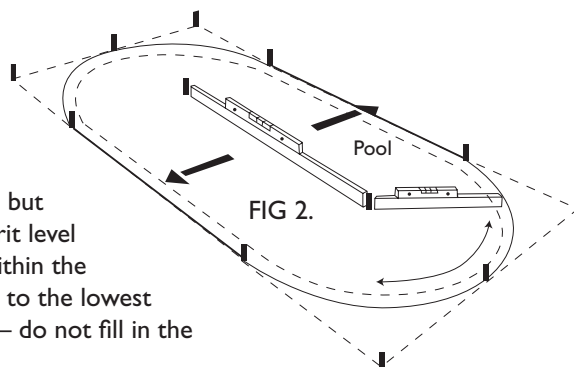
2. SITE PREPARATION



Rake out pebbles, roots and other debris.

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 will do but it should be straight) 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 that the framework will be level. The most critical areas are the pool perimeter and cross channels. The pool floor should be generally level but the sand base can be used to fill any low spots. Note: If not level, the pool wall could buckle or crease.

BE SURE: 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 P. posts.

IMPORTANT NOTE:

Some noxious weeds, such as onion weed and nut grass can grow up through the liner material severely damaging your pool liner. Please refer to your Liner Supplier Manual for detailed instructions on set up and ground preparation.

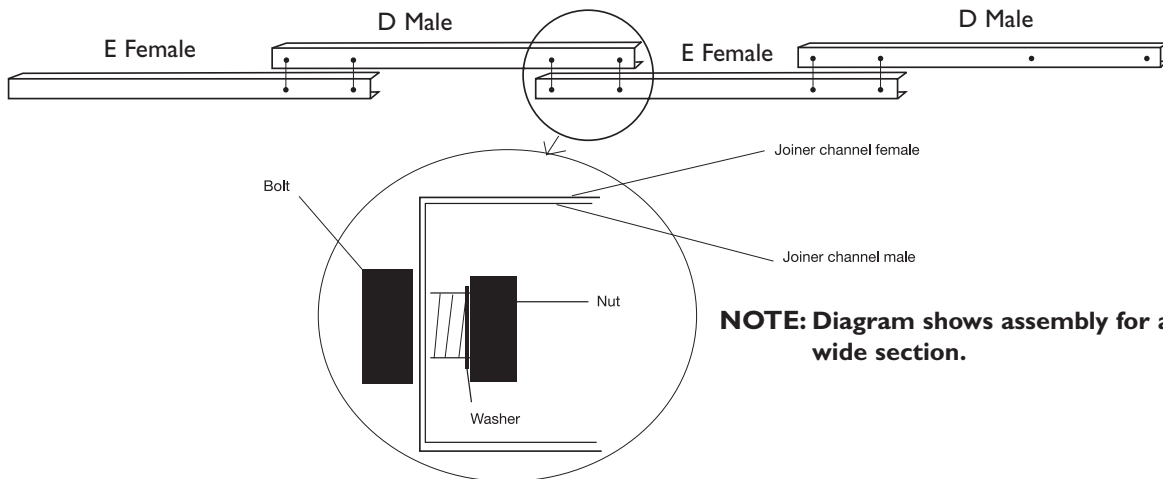
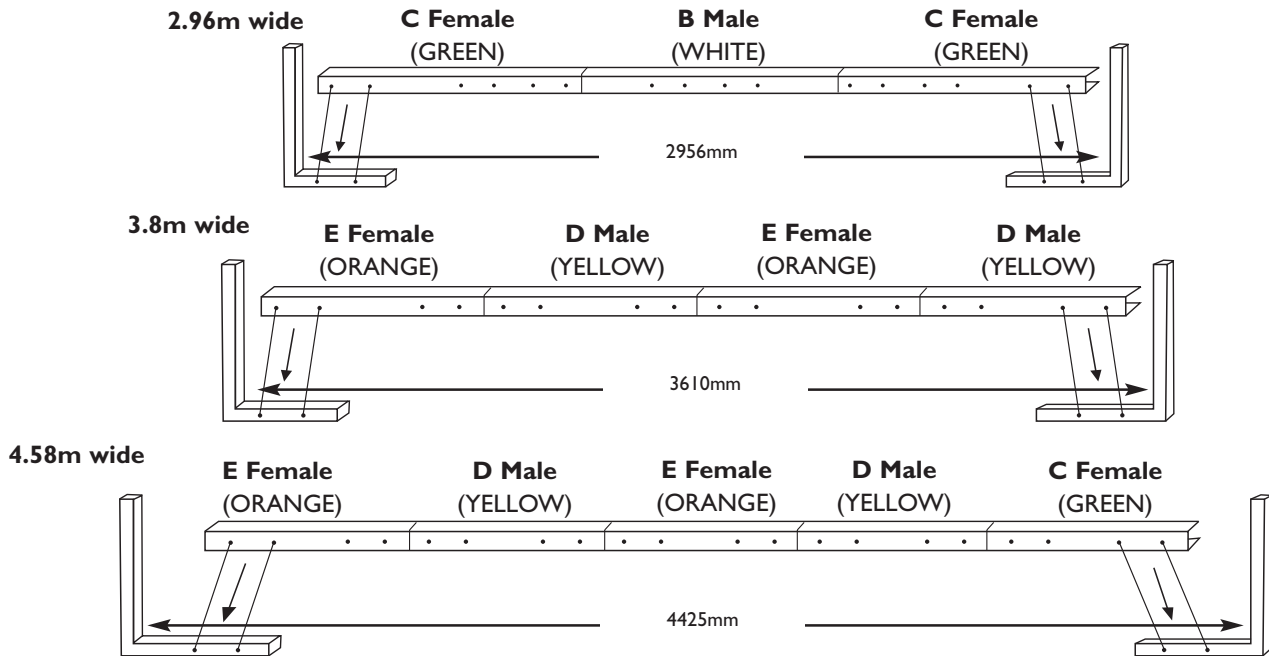
3. FRAME INSTALLATION

FRAME ASSEMBLY

Note: Refer to pages 14-20 for the layout of the size of the pool which you have purchased.

Identify the P.Posts, joiner channels (female E), joiner channels (male D) and joiner hardware (nuts, bolts & washer) required for your size pool. (These quantities can be found on pages 6, 8 & 11).

Lay the components in the correct sequence as per the below diagrams. (Each of the channels are coloured coded). This must be completed on flat ground, outside the pool area.



NOTE: Diagram shows assembly for a 3610mm wide section.

Using the nuts and bolts, join up all of the channels and posts (Tighten by hand only). Check the inside measurement from post to post (take measurement from the bottom of the post, 10mm above the weld).

Correct measurements (post to post):

- 2.96m wide pools = 2956mm
- 3.8m wide pools = 3610mm
- 4.58m wide pools = 4425mm

Make any necessary adjustments by moving posts and channels to obtain correct measurement. **(It is imperative that the measurement are carefully checked before tightening up bolts).**

When correct measurement is obtained, carefully tighten 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 of the pool.

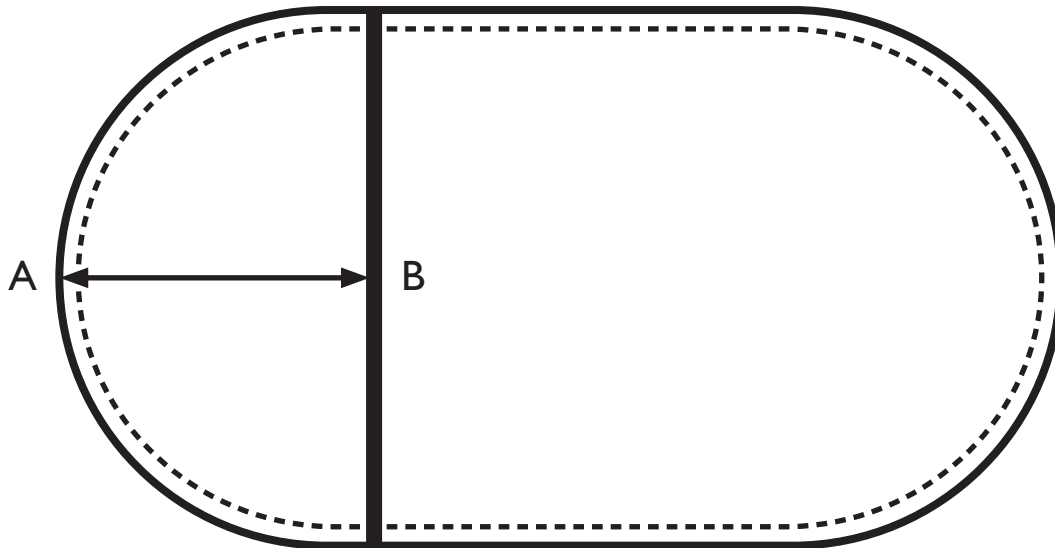
THIS METHOD OF ASSEMBLY SHOULD BE USED FOR ALL FLAT BOTTOM AND DEEP END POOL FRAMES!

3. FRAME INSTALLATION

Once the channels have been assembled and all of the nuts and bolts have been tightened, it's time to position the assembled frames into the pool site. Place the first assembled channel across the width of the pool at a point 2640mm from the end of the cleared area.

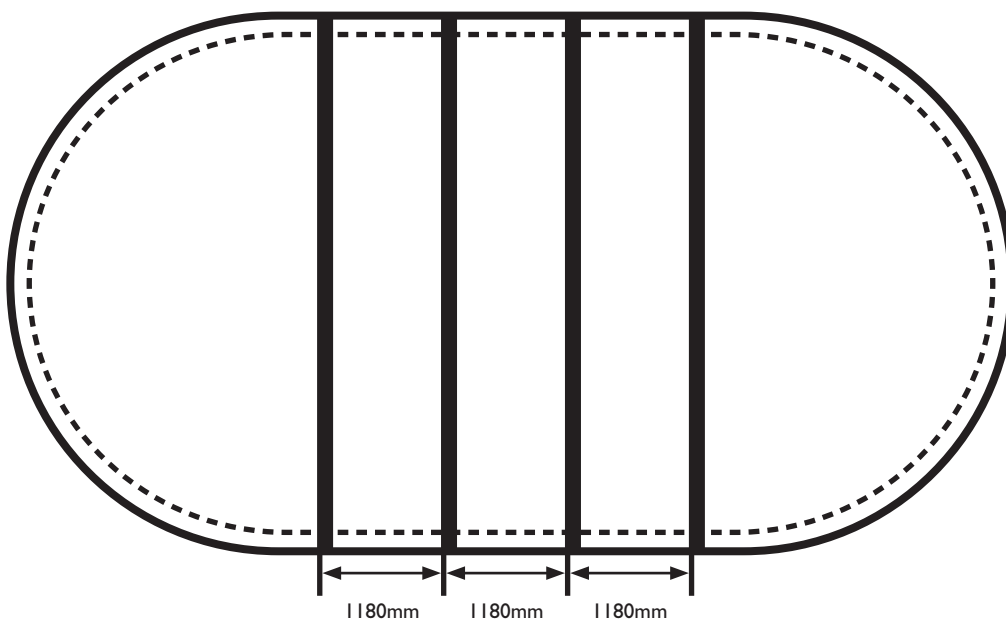
Note: When marking out you're A to B Measurement use the Figures below Depending on the size of the pool you are assembling. (Point B is taken from the centre of the channel).

3.8m wide pool 2640mm, 4.5m wide pool 3030mm, 2.96m wide pool 2260mm



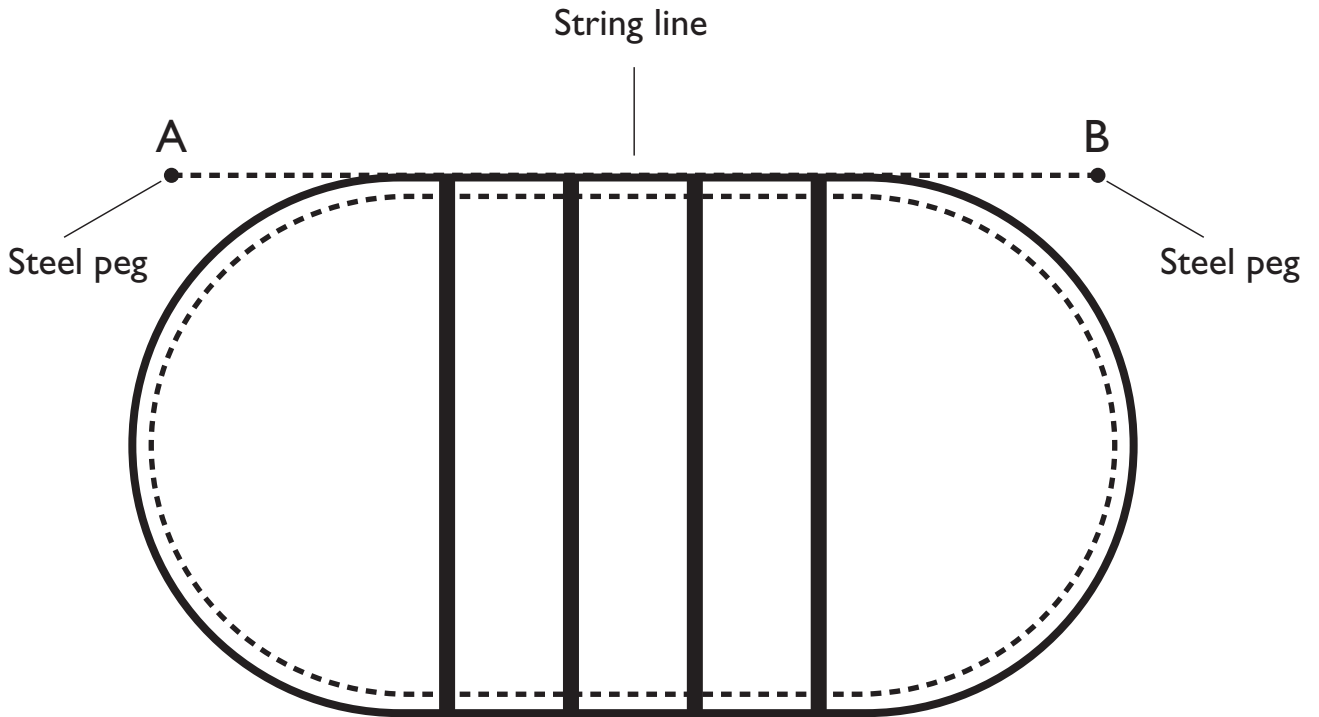
Place the 2nd and remaining channels at a point 1180mm from the adjacent channel.

IMPORTANT Note: 1180mm measurements are taken from the centre of the posts

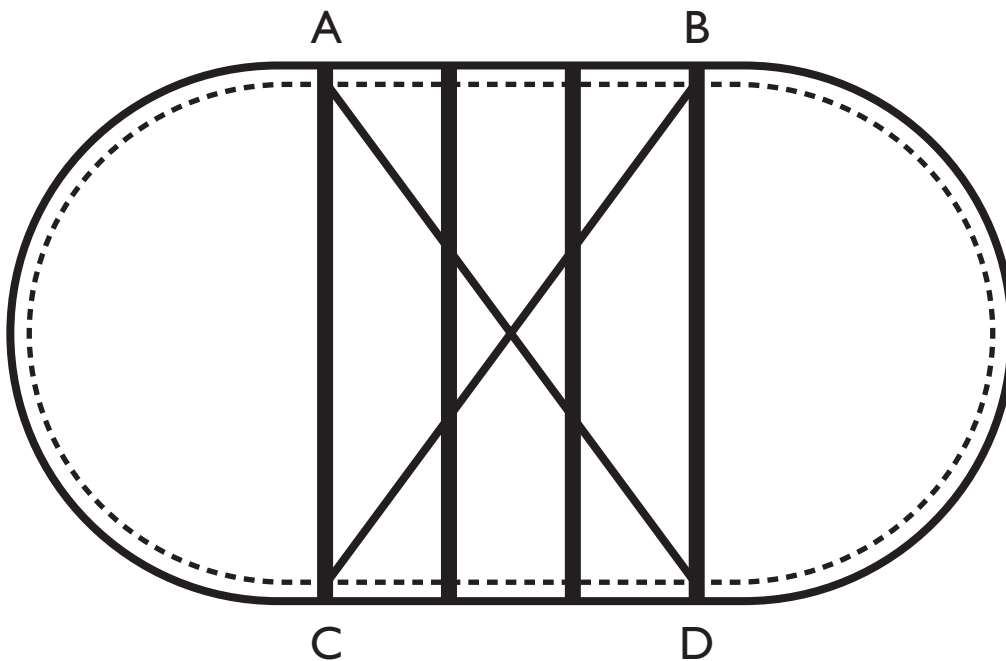


3. FRAME INSTALLATION

To check the alignment of the P posts position a string line along the back of the posts between two (2) steel pegs. (Points A and B) 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.



Once these 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.

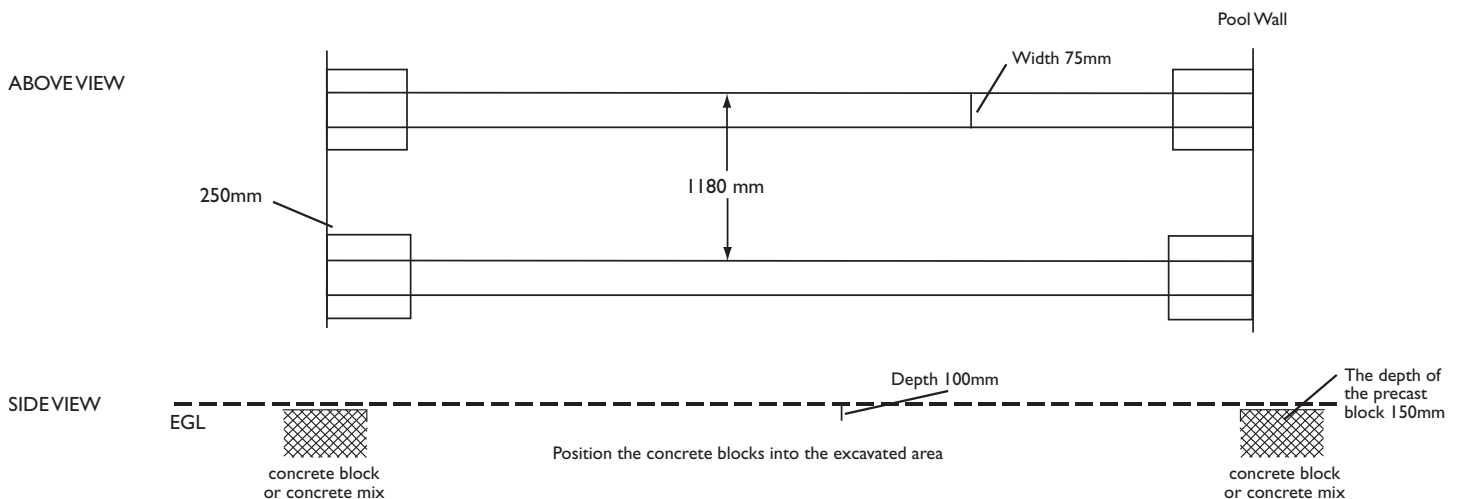
The measurements of the points A to D and B to C must be equal.

3. FRAME INSTALLATION

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 100mm x 75mm wide across the pool from one side to the other with a 250 x 250 x 150mm excavation at each end for the positioning of the pre-cast concrete blocks.

An alternative to concrete blocks is to pack a strong sand/ cement/ screenings mix under the back of the channels (Rapid set pre mix is ideal for this purpose). If you are using the cement mix rather than the concrete blocks, the excavations at the ends of the channels will need to be dug out to 250 x 250 x 250mm.

NOTE: 1180mm measurement must be taken from the centre of the posts, not the centre of the channels.



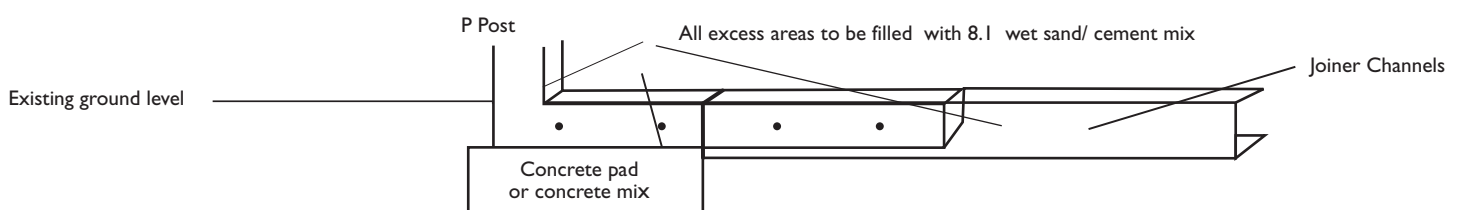
NOTE - If using cement mix instead of concrete blocks, the cement mix is put in place after the channels have been positioned and levelled.

INSTALLING FRAMES

Frames should be installed in such a way that no horizontal part of the P Post is situated higher than the existing ground level. All P Post must be level, as well as being level with all other adjacent P Post. When checking the level of individual P Post it is important to note that the vertical section of the P Post is not perfectly perpendicular to the horizontal, the level must be found on the horizontal member of the P Post and not the vertical. The checking of adjacent P Posts can be done by placing a level (if longer than 1.1m) or sufficient straight edge across the top of the adjacent P Posts.

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

NOTE - CONCRETE PADS: The use of concrete blocks or concrete mix at each end of the P Posts is critical as it distributes the load carried by the frames evenly into the soil below. Not using concrete pads will result in the frame sinking into the ground and disturbing the level of your pool. Pads should be installed as shown below.



3. FRAME INSTALLATION

When all the frames have been positioned and levelled you need to recheck and ensure that the back of the P posts are all in line and the diagonal measurements of the frames are all correct and equal. Before proceeding check the measurements for the width of the pool between the inside of the P posts should be as table below. The width measurements can have a variance of + or -5mm.

The horizontal channel in the ground must be level. It is now time to check that all of the tops of the vertical posts are level. Using the top of one post as your fixed point and with the water level, check that all of the L posts are level with all other posts.

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.

The excavation for the channels cross the pool needs to be filled in with a mix of 8 to 1 sand and cement. This needs to be packed in firmly around the channels right across the pool into the excavations at the end of each channel and up to the ground level (top of the horizontal channels).

ALIGN FRAMES

a) Check all uprights are, in line and level with each other.

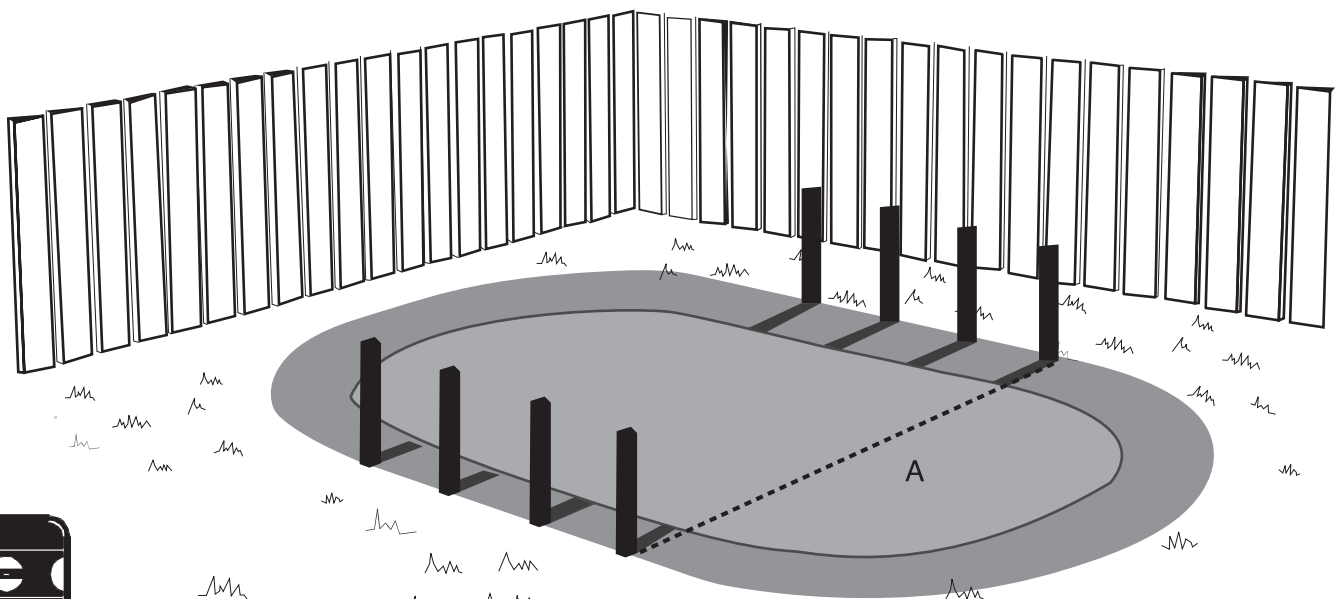
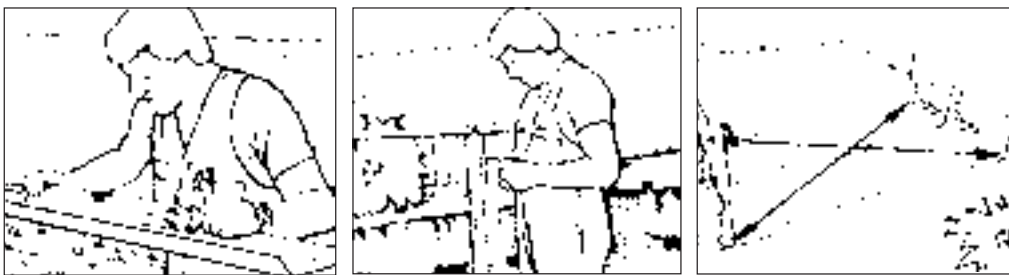
*NOTE that the P posts are counter angled inwards. When aligning P posts, make sure the horizontal is level as the vertical is not at right angles to the horizontal. Place your level on the base part of the angled post to check for level.

b) Check horizontally and temporarily secure deck upside down to check the level between the posts.

c) Use a water level to check levels to opposite frames from the top of the posts.

d) Check corner to corner measurements as per plan, to ensure square frames.

e) Re-check to ensure the back of the P post are aligned with the string line.



A = inside PPost measurement

3.8m Pool	3610mm
4.5m Pool	4425mm
3.02m Pool	2956mm

3.2 Deep End

Excavation & Channel Installation

This section is to be used in conjunction with the standard frame installation section of this manual.

This section only covers the following:

- Deep End Excavation Plans
- Deep End Frame Assembly

DEEP END CHANNEL AND POST ASSEMBLY

Assemble the channels and posts for your pool

- Refer to the assembly manual for instructions on the assembly of the posts and channels of your pool
- Identify the components and the quantities required for your pool
- Place the required components in to groups for each assembly as described in the instruction manual
- 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 but at this time **TIGHTEN BY HAND ONLY**
- Check the inside measurement from post to post at the bottom of post 10mm above the weld
- Measurements should be as per the relevant model
- Make any necessary adjustments by moving posts and channels to obtain correct measurement
- **It is important** that the measurements are carefully checked before tightening up 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 measurements between the posts are as follows
 - Steel Pool 3.8m = 3610mm
 - Steel Pool 4.5m = 4425mm

3. FRAME INSTALLATION

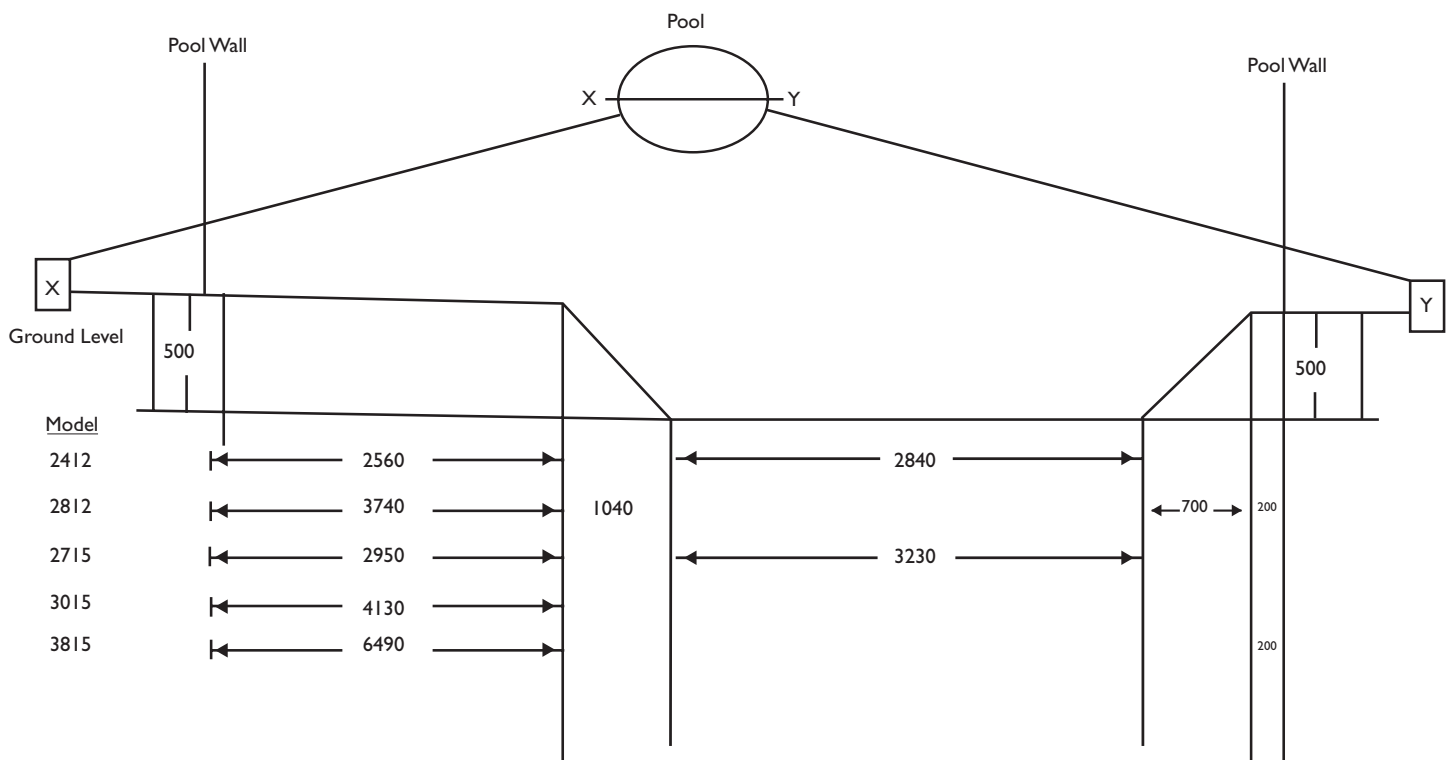
All layout measurements and component assembly methods for both deep end and standard oval pools are shown in the Instruction Manual.

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

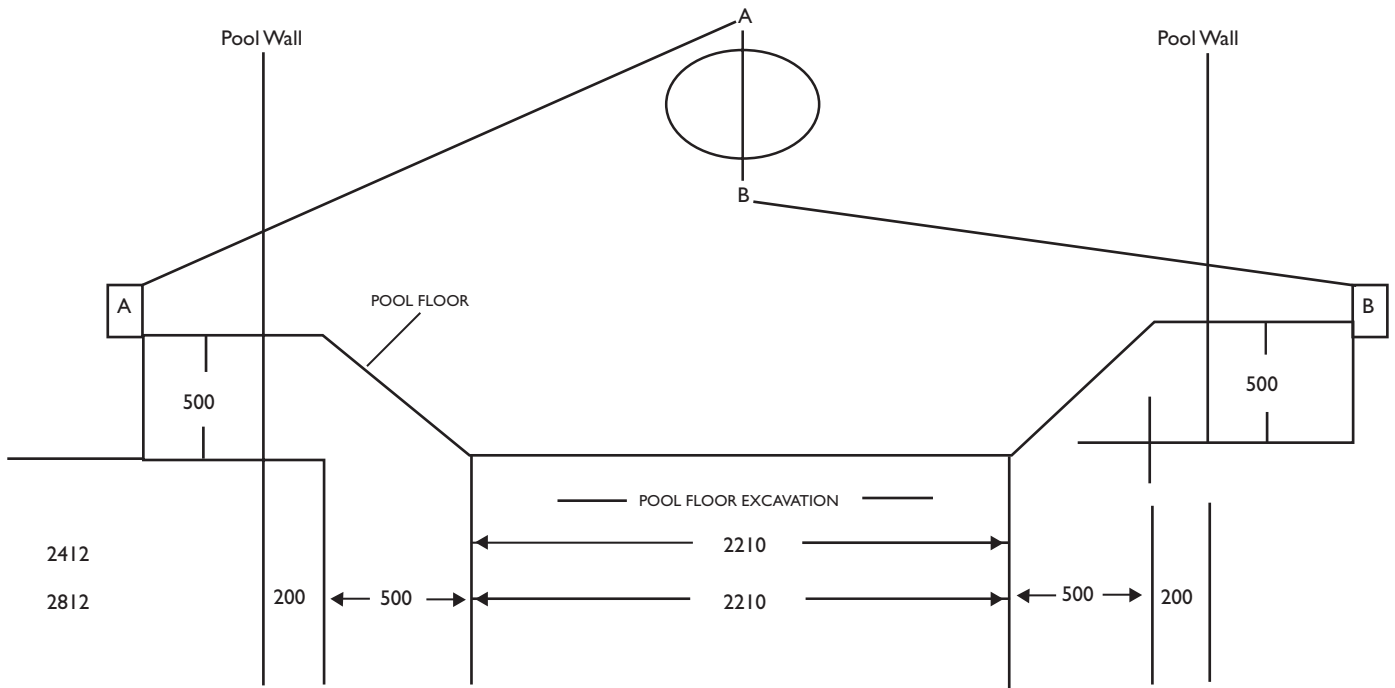
Make sure even after any Council approvals that there are no pipes or cables in the excavation area.

I. SIDE VIEW – ALL MODELS

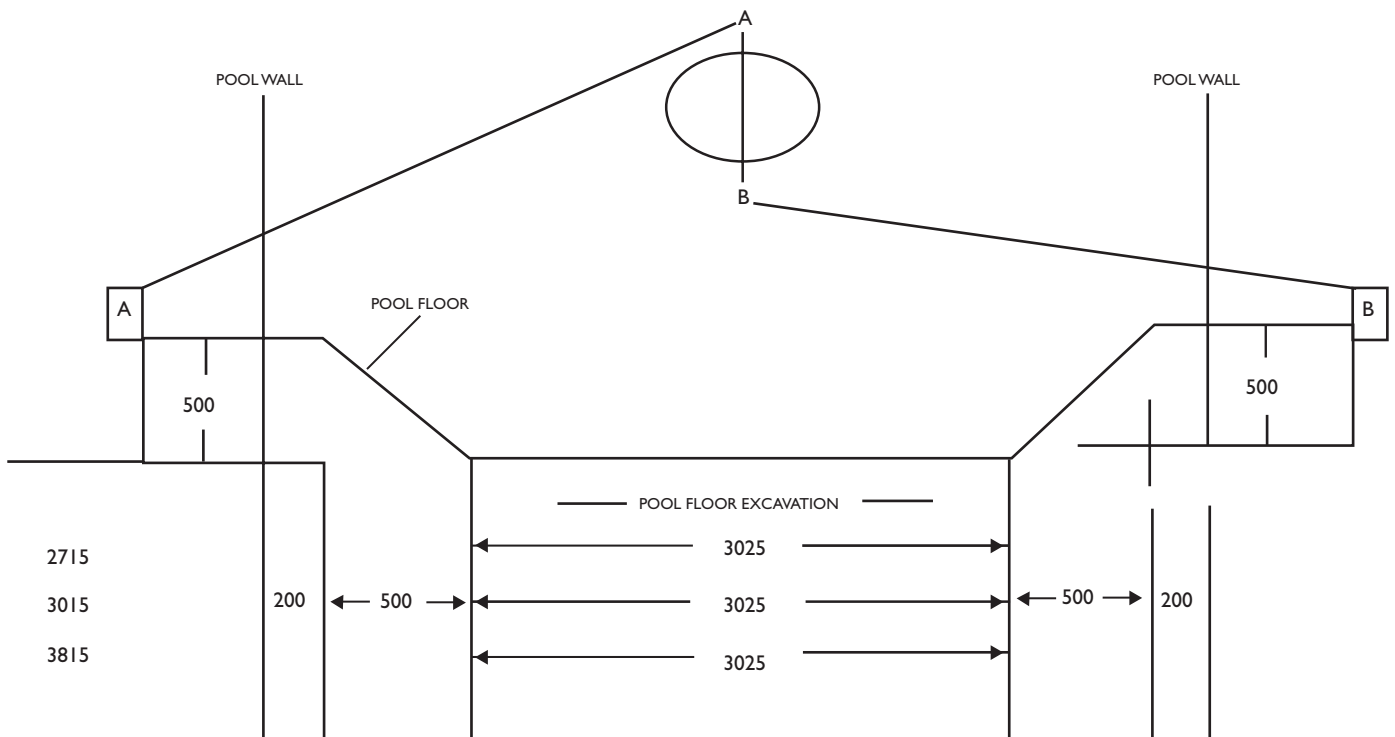


3. FRAME INSTALLATION

2. END VIEW – MODELS 2412, & 2812



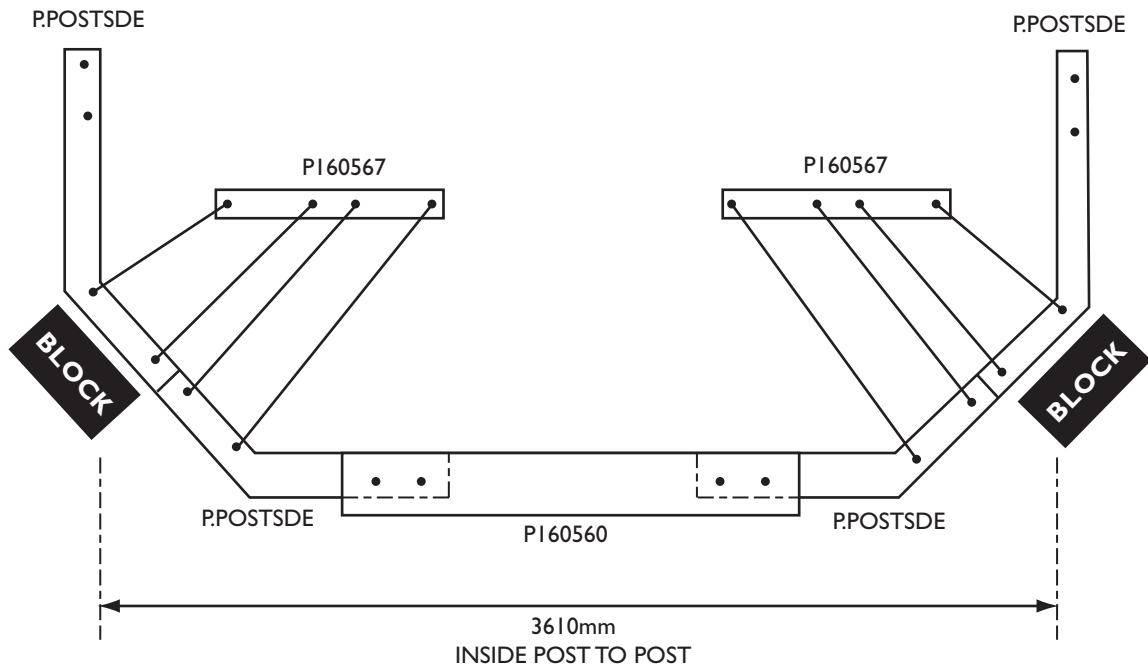
2. END VIEW – MODELS 2715, 3015 & 3815



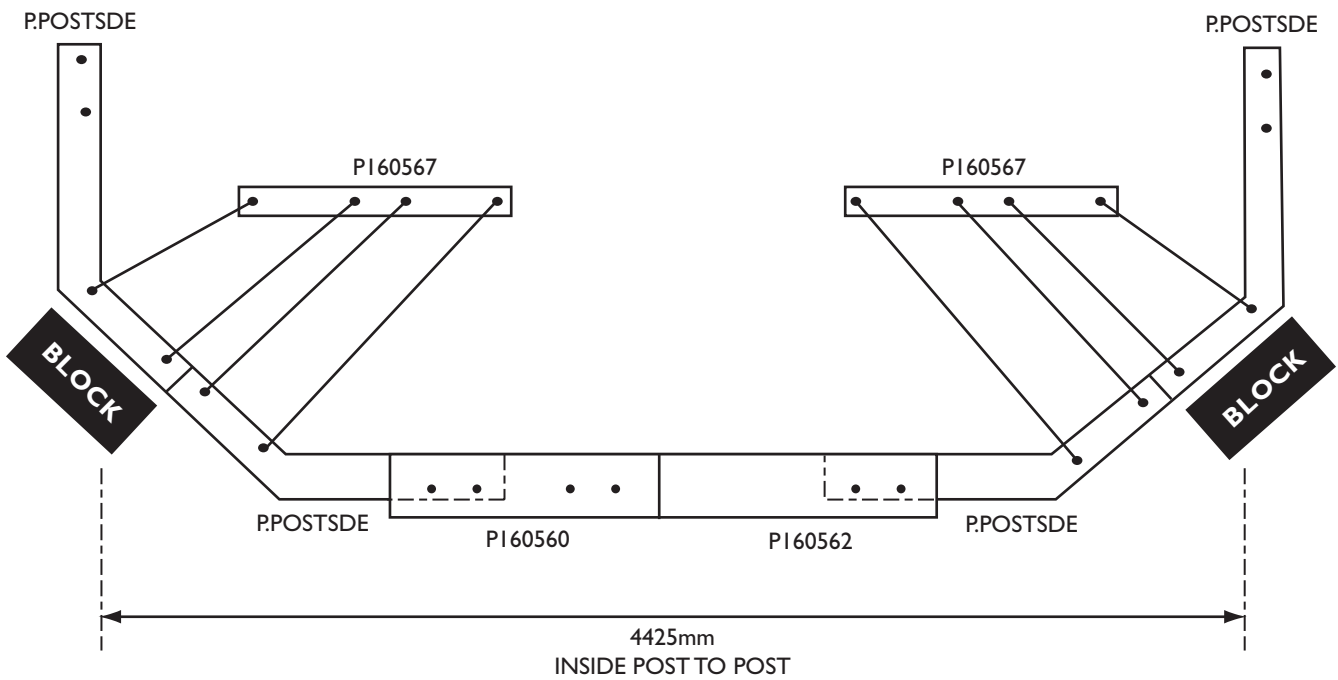
3. FRAME INSTALLATION

DEEP END FRAME ASSEMBLY

3.66M WIDE POOLS



4.54M WIDE POOLS



FRAME ASSEMBLY

Note: Refer to pages 14-20 for the layout of the size of the pool which you have purchased.

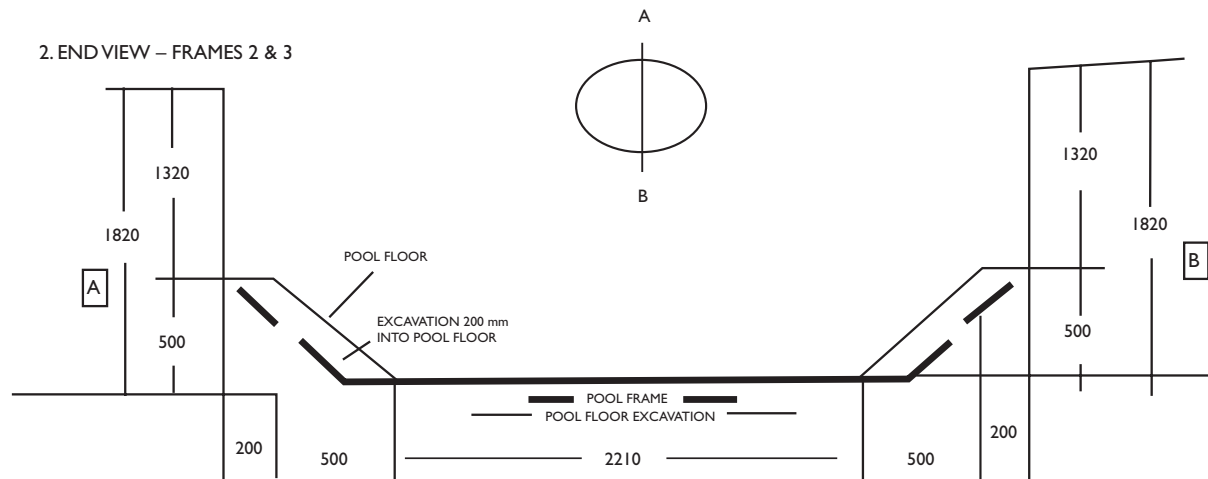
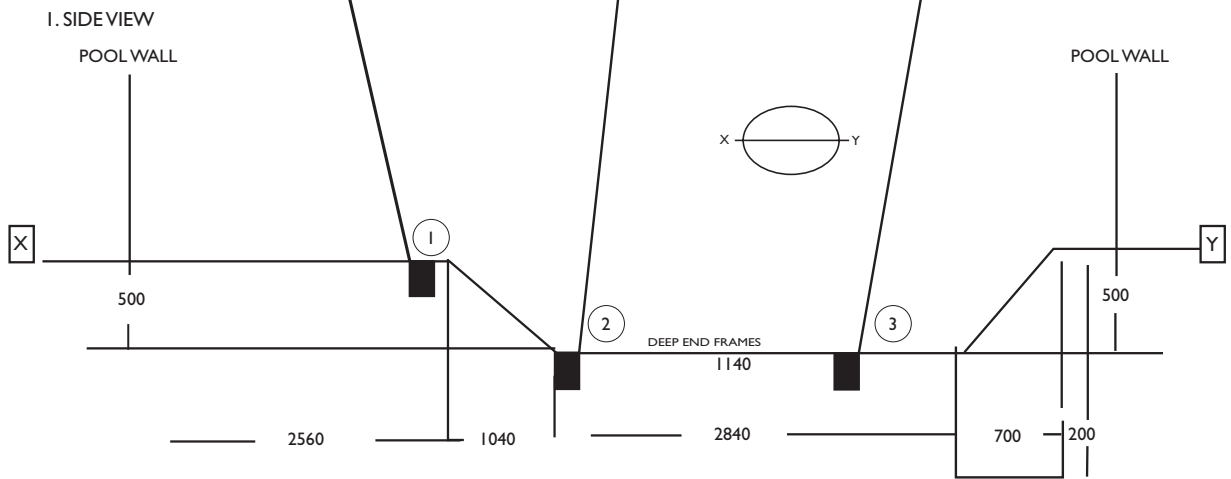
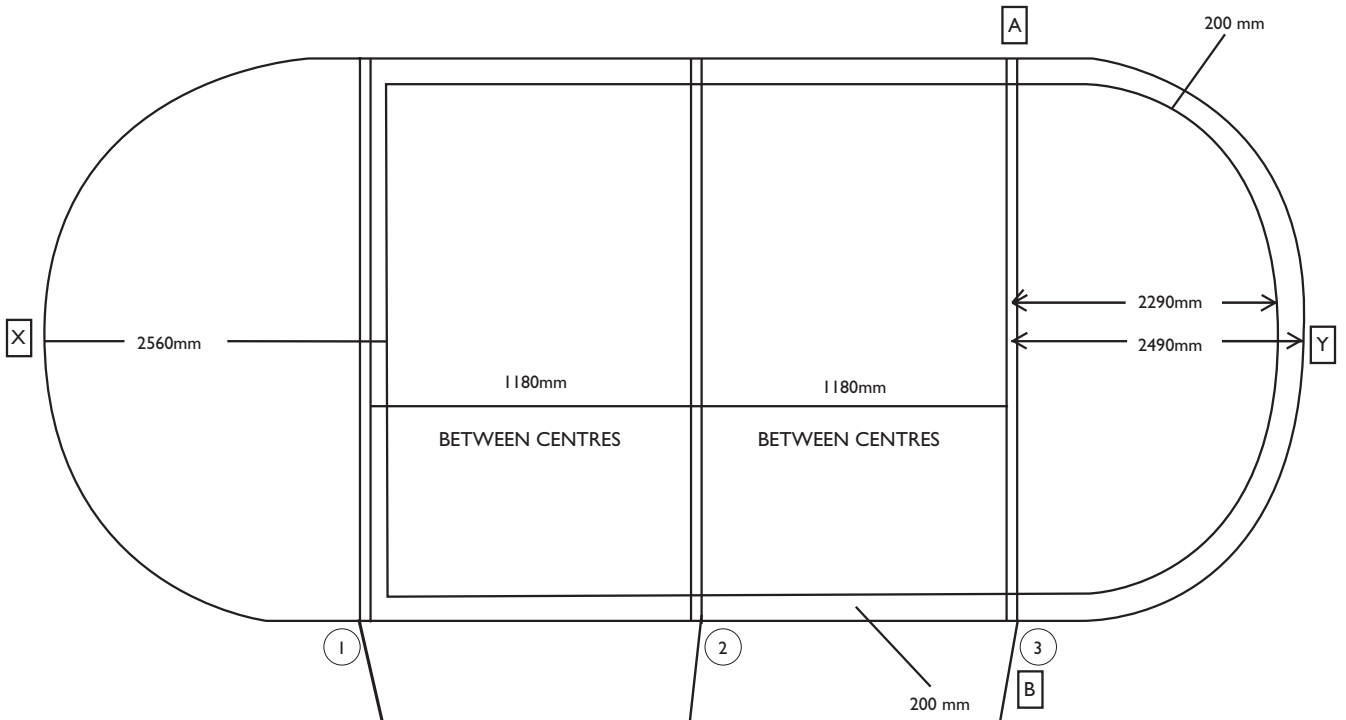
Identify the P.Posts, joiner channels (female E), joiner channels (male D) and joiner hardware (nuts, bolts & washer) required for your size pool. (These quantities can be found on pages: 7, 8, 10 & 12).

Lay the components in the correct sequence as per the diagrams. (Each of the channels are coloured coded). This must be completed on flat ground, outside the pool area.

3. FRAME INSTALLATION

MODEL 2412

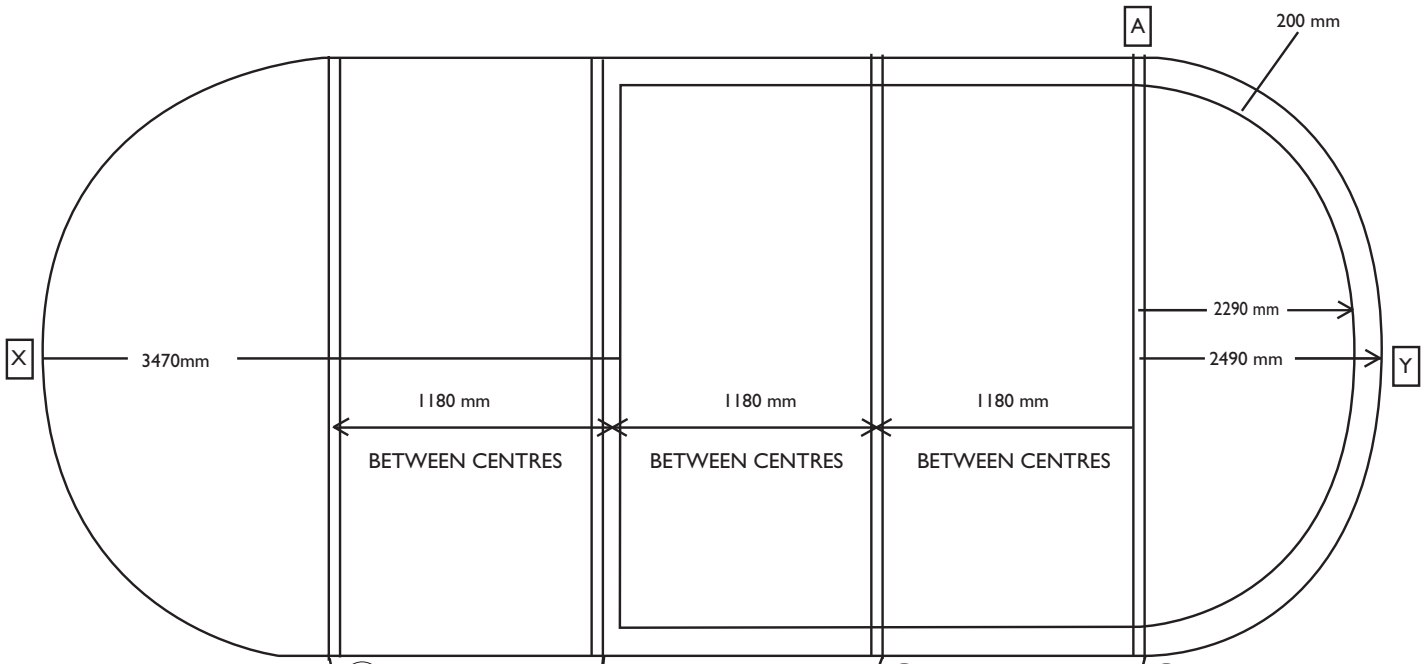
NOTE: 1180mm measurements must be taken from the **CENTRE** of the **POSTS**, not the centre of the channels.



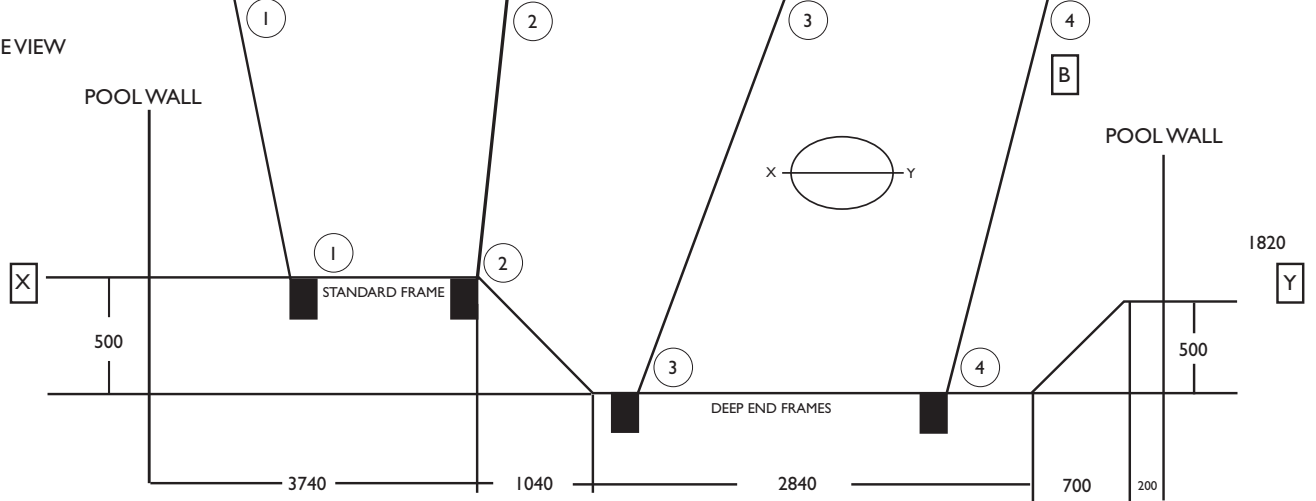
3. FRAME INSTALLATION

MODEL 2812

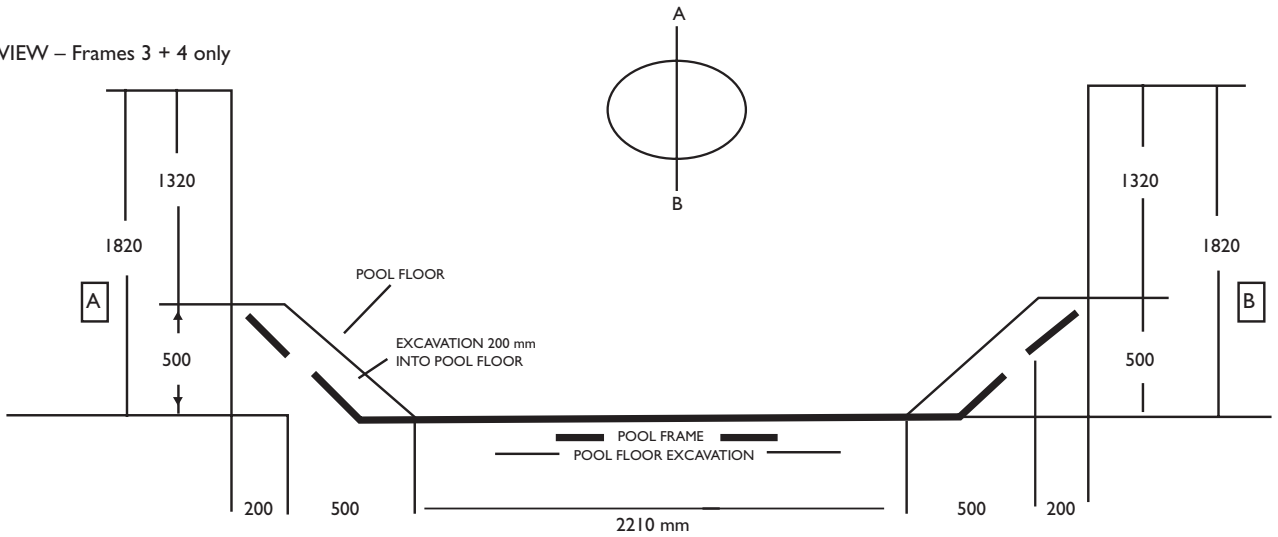
NOTE: 1180mm measurements must be taken from the **CENTRE** of the **POSTS**, not the centre of the channels.



1. SIDEVIEW



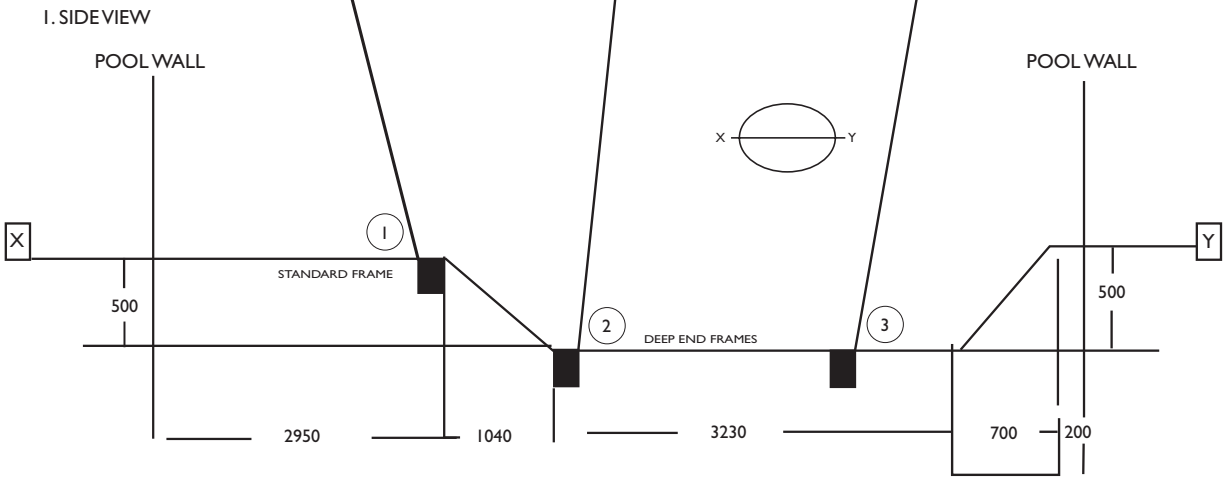
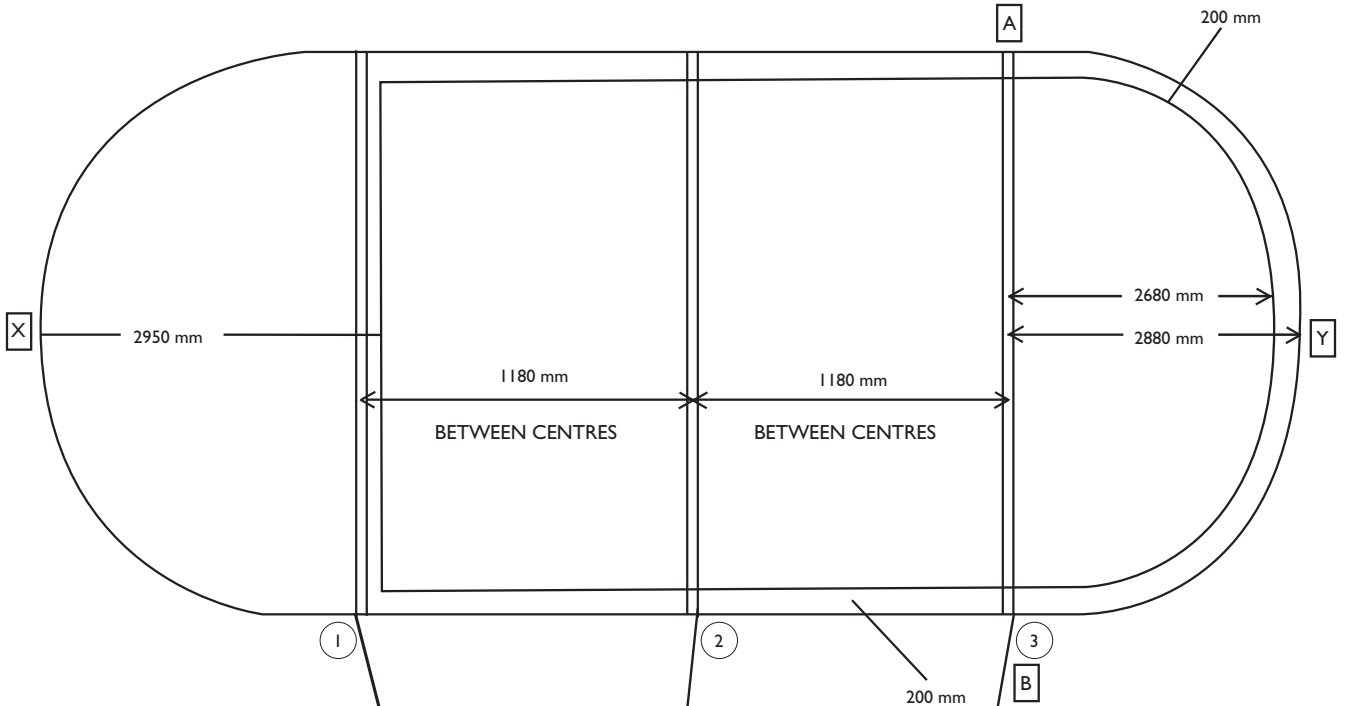
2. ENDVIEW – Frames 3 + 4 only



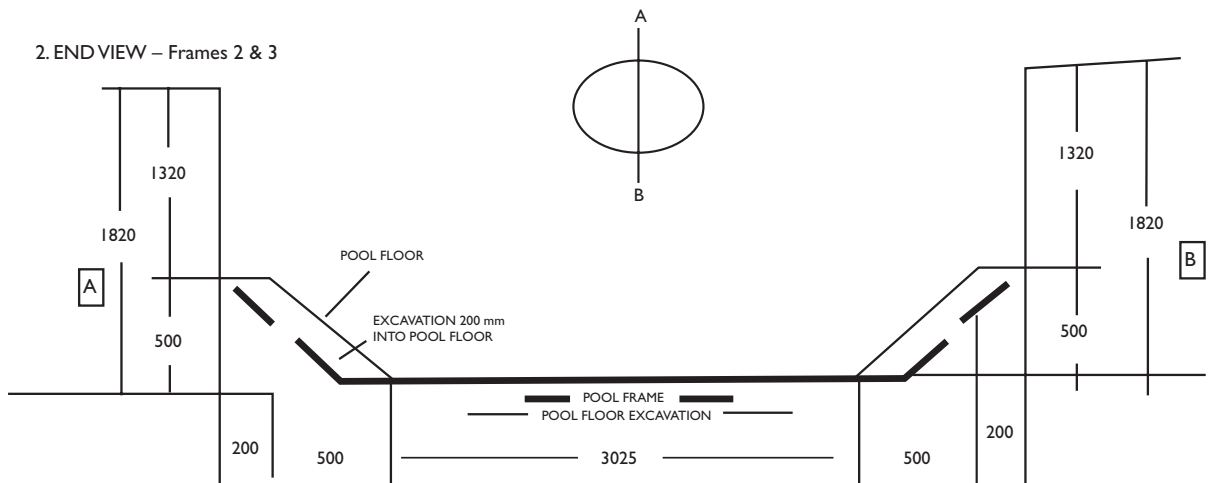
3. FRAME INSTALLATION

MODEL 2715

NOTE: 1180mm measurements must be taken from the **CENTRE** of the **POSTS**, not the centre of the channels.



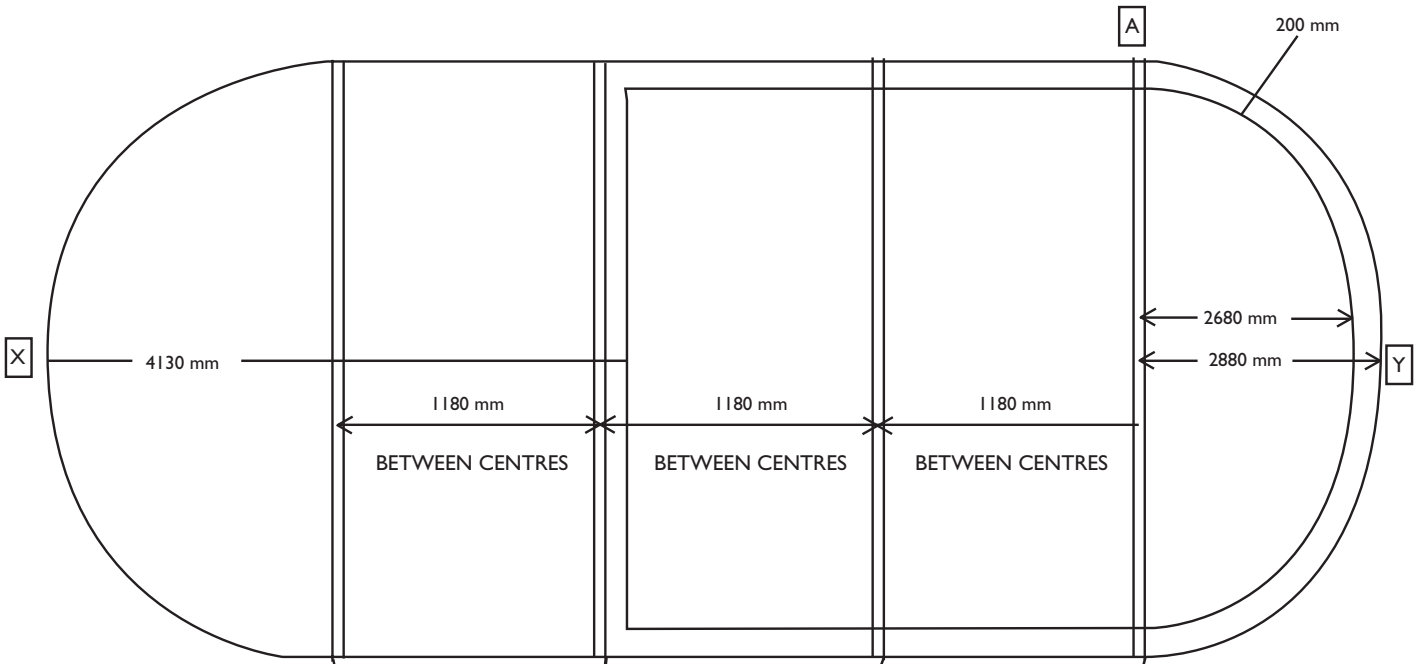
2. END VIEW – Frames 2 & 3



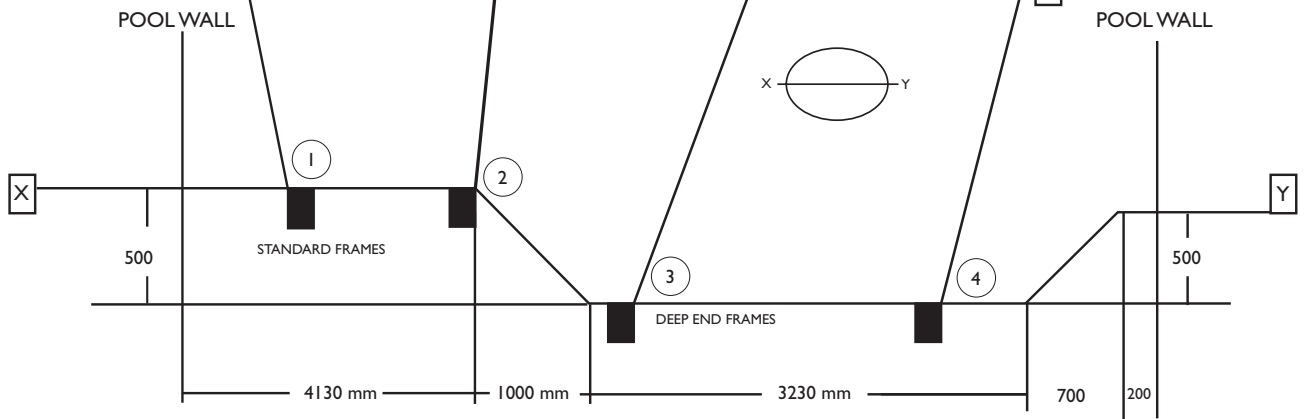
3. FRAME INSTALLATION

MODEL 3015

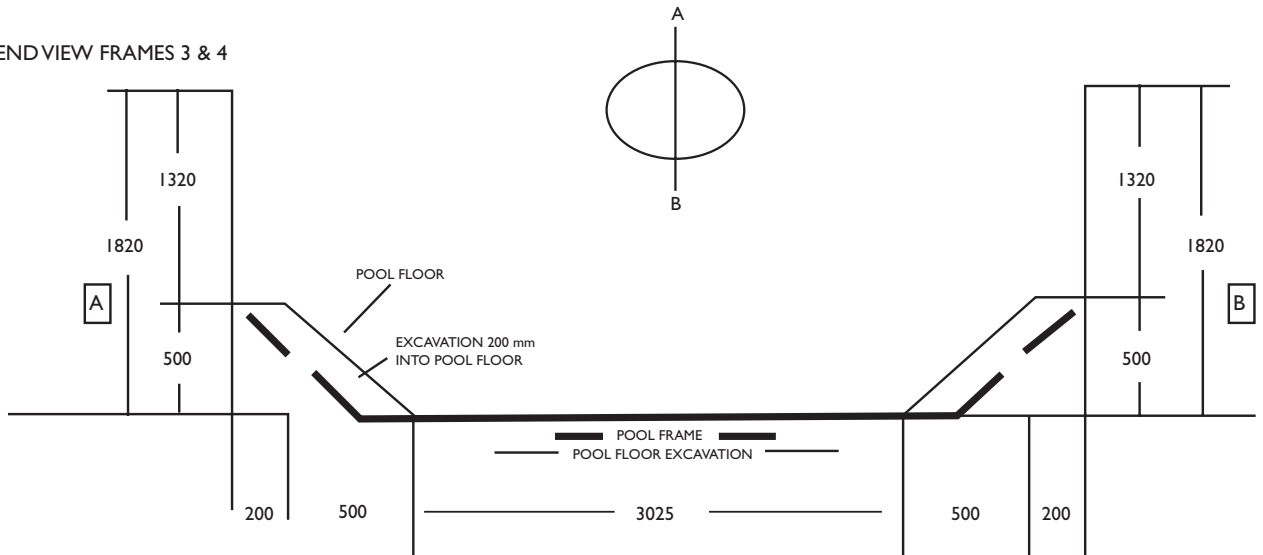
NOTE: 1180mm measurements must be taken from the **CENTRE** of the **POSTS**, not the centre of the channels.



I. SIDEVIEW



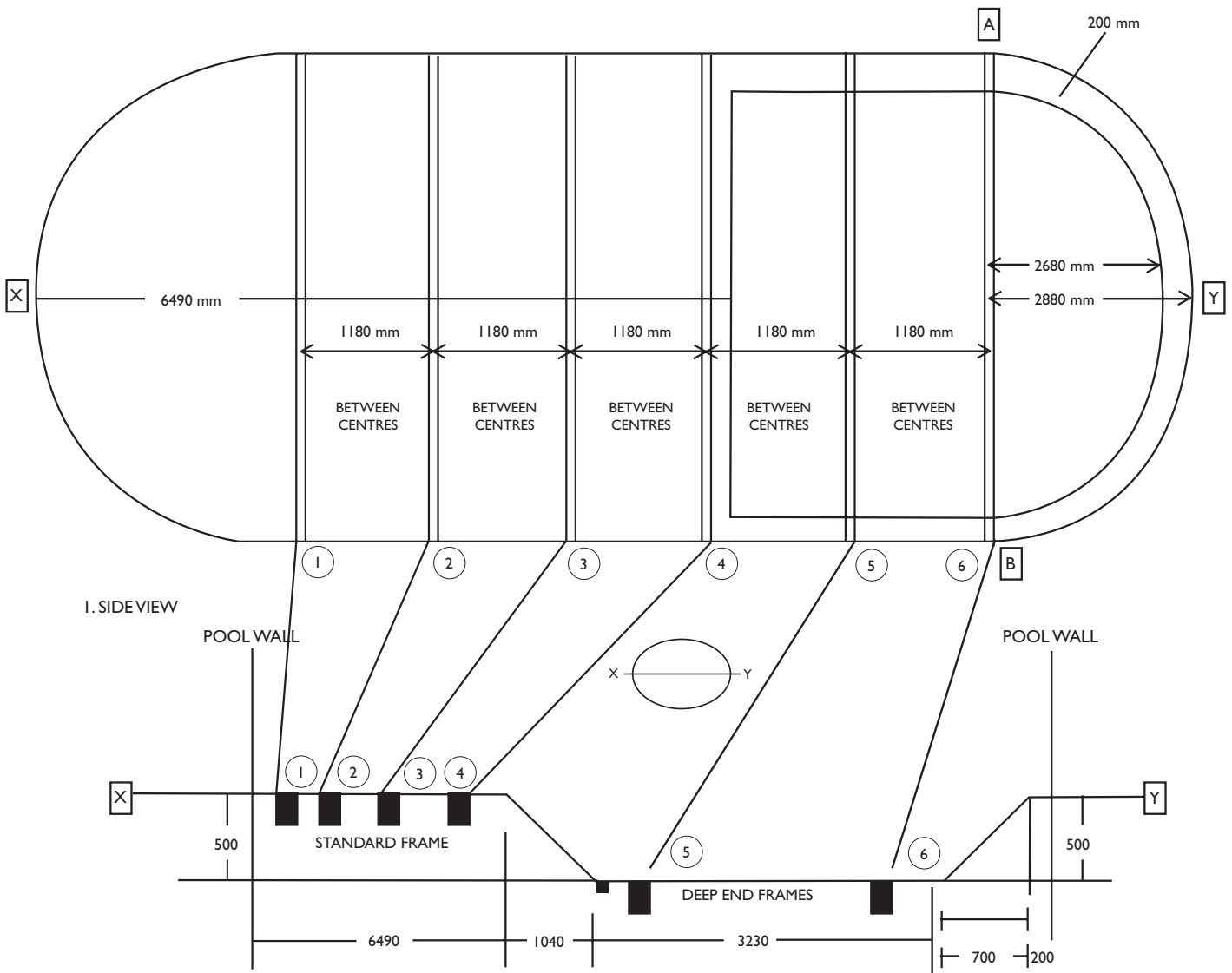
2. END VIEW FRAMES 3 & 4



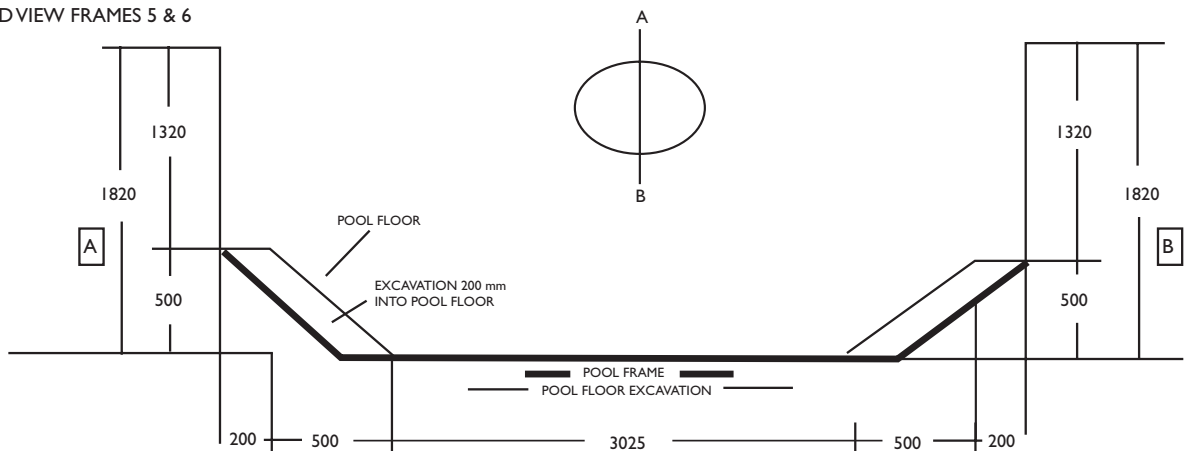
3. FRAME INSTALLATION

MODEL 3815

NOTE: 1180mm measurements must be taken from the **CENTRE** of the **POSTS**, not the centre of the channels.



2. END VIEW FRAMES 5 & 6

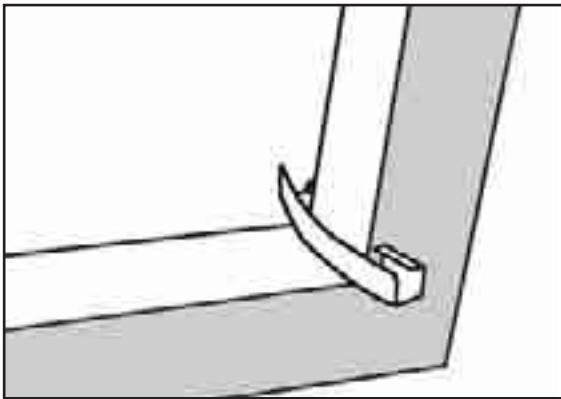


3. FRAME INSTALLATION

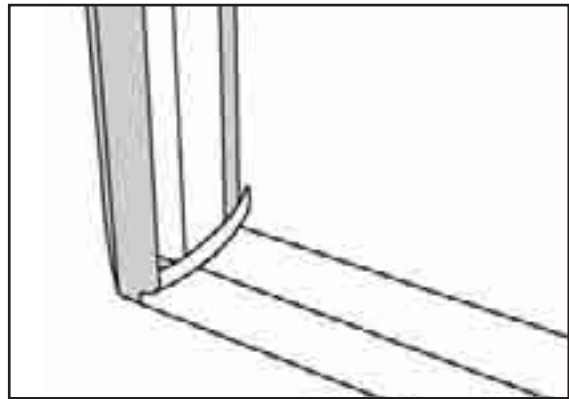
ASSEMBLE STRUCTURAL FRAME OF BRACELESS POOLS



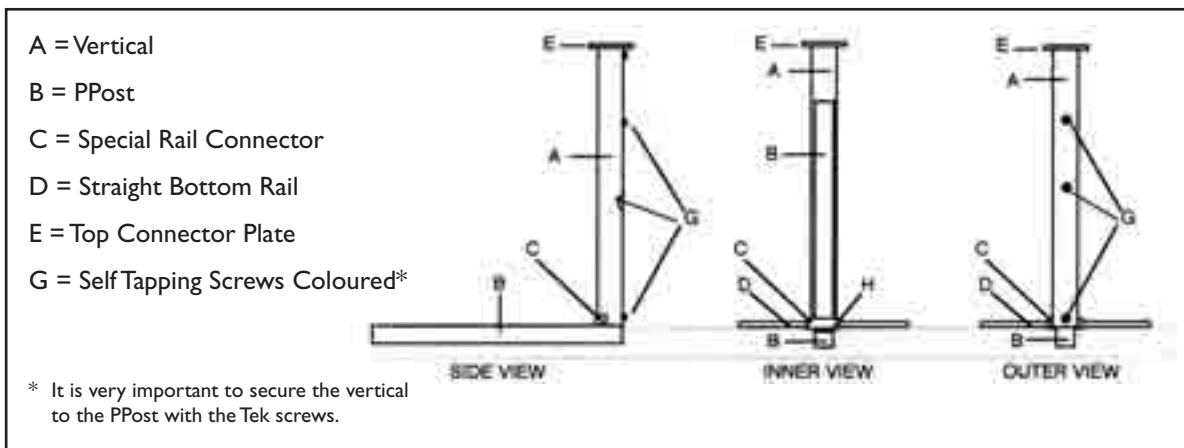
A) Attach the top connector plates to the verticals, fixing 14G self tapping screws to hold the connector plate in position.



B) The special bottom rail connector sits on top of the PPost on a horizontal position, fitting into the corners of the post.



C) The vertical is located so that the grooves sit into the special bottom connector. Once in place the verticals may be secured to the PPosts with coloured Tek screws, approximately 300mm from the top of the vertical, another 200mm below that and one at the bottom.

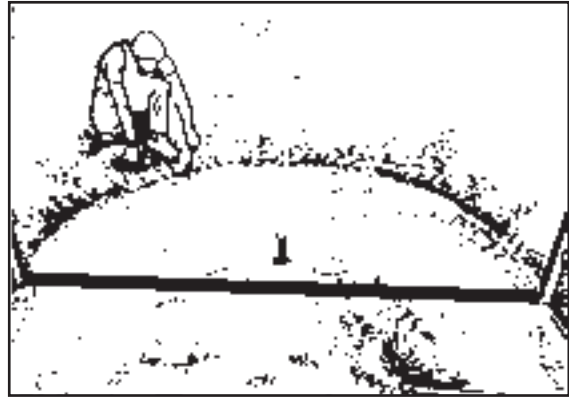
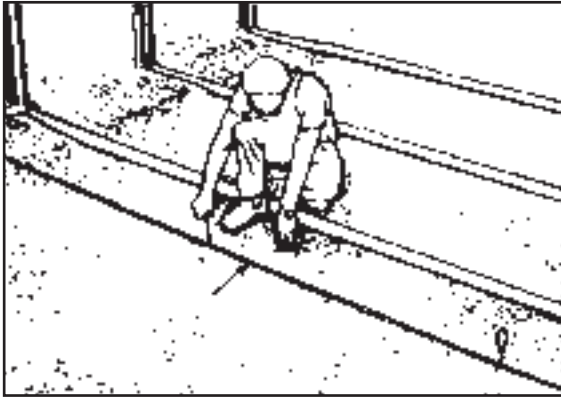


3. FRAME INSTALLATION

MARK RAIL POSITIONS FOR END ARCS

See Pool layout plans for measurements.

- a) From the end of the post on either side of the pool, measure out 590mm for Oval and 600mm for Space saver. Draw a stringline across the pool between these points. Find the centre point of this line. Position Peg No.1 and Peg No.2 at this centre point on either end of the pool.
- b) Scribe the arc for the bottom rails from Peg 1 and Peg 2 using the given radius for your pool in the layout plans. Ensure that this is in line with the end of the pool frames.

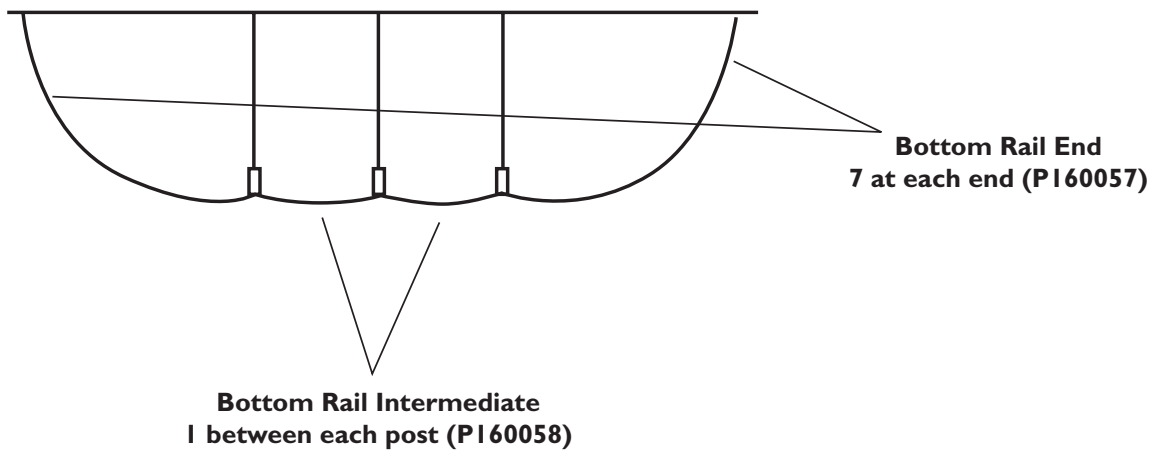


NOTE: It is important to measure out the bottom rail positions in accordance with manual. At no stage should you use the bottom rails as a measuring tool.

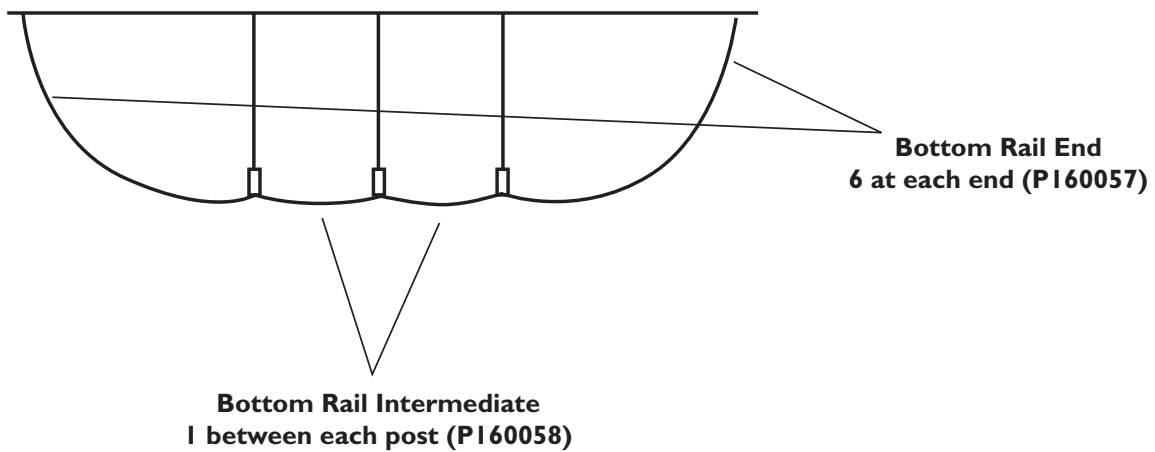
3. FRAME INSTALLATION

BOTTOM RAIL PLAN VIEW – BRACELESS POOLS

4.425M WIDE POOLS

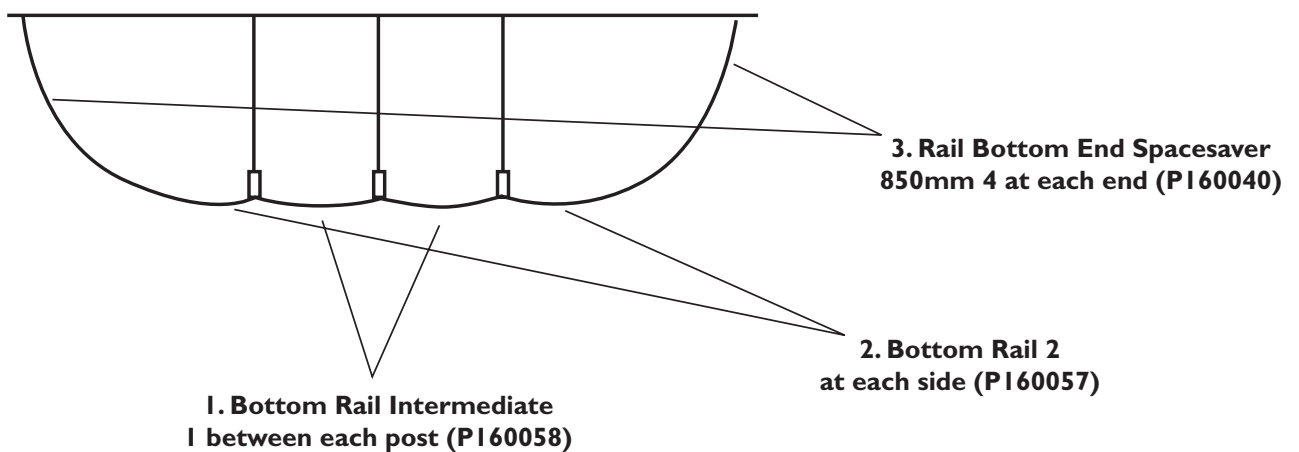


3.610M WIDE POOLS



BOTTOM RAIL PLAN VIEW – SPACESAVER POOLS

3.0M WIDE POOLS

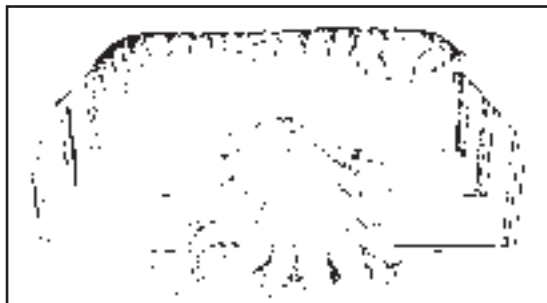


4. WALL INSTALLATION

PLACE SAND (OVAL POOLS)

Place the required amount of Builder's Fatty 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 about 900mm from the pool's edge as it will be in the way of the wall installation later on.

NOTE: Builder's Fatty Sand is the only sand recommended as a base for the pool. Any other sand may damage the liner.



POOL MODEL	CLEAN BUILDERS' SAND (Cubic Metres)
5.0x3.6	1.75
6.2x3.6	2
7.3x3.6	2.25
8.52x3.6	2.50
6.9x4.580	2.50
8.0x4.580	2.50
9.3x4.580	3
11.66x4.580	3.50

LAY BOTTOM RAILS FOR END ARC



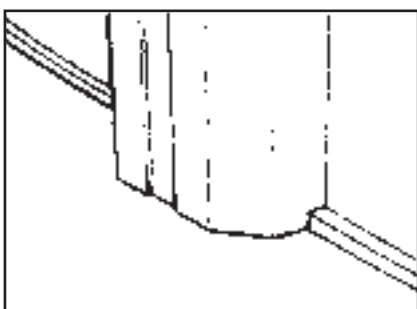
(a) Attach top & bottom connector plates to the end verticals by pushing tabs and fixing 3x14G screw to hold the connector plate in position.



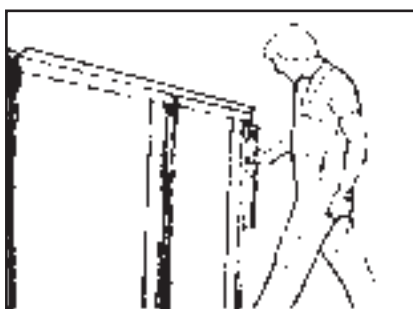
(b) Lay out the end curved bottom rails and hold in position with pegs so the rails conform to the radius marked out previously.

NOTE: Before going any further bring the wall box inside the pool perimeter. The wall box is very heavy and should be moved by at least two people.

FIT END VERTICALS FOR END ARCS



(a) Fit the curved bottom end rails into posts at the base of all vertical posts around curved ends.



(b) Secure top decks temporarily "wrong side up" to end verticals around curved ends. Check end vertical spacings and levels then fix securely in position, until perimeter frame is complete & self-supporting.



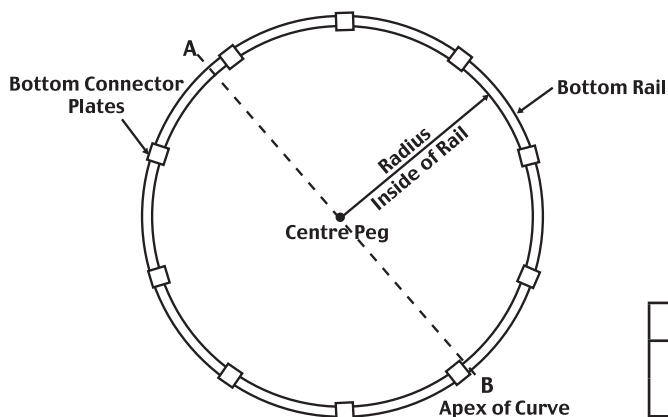
(c) Check that the top decks are level with the straight sides that have been levelled previously. If the post or rail is high, you will need to excavate a small amount of soil to level it, alternatively if it is low it can be packed up using a small piece of cement sheeting.

NOTE: The top decks have a plastic coating to protect against scratches. However, when temporarily securing the top decks upside down if not careful they can still be scratched. To stop this you can tape the ends.

4. WALL INSTALLATION

SETTING OUT THE POOL- ROUND POOL

Mark out the diameter of the pool by placing a peg in the centre and with a string line kept tight, using spray paint, mark out the diameter of the pool.



SIZE	RADIUS
3.80m	1.9m
4.58m	2.29m

POSITIONING THE RAILS

Once you have the line marked out on the ground you may then go ahead and place the bottom rails in position with the bottom connector plates attached to the vertical posts. (Refer to A below) Remember to leave an even gap between the bottom rails, do not have them touching in the bottom connector as this would make the diameter smaller.

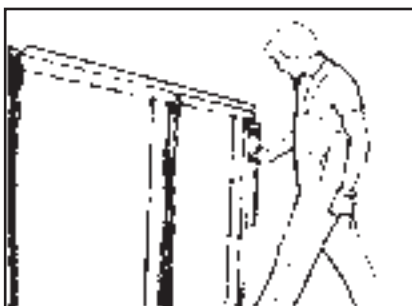
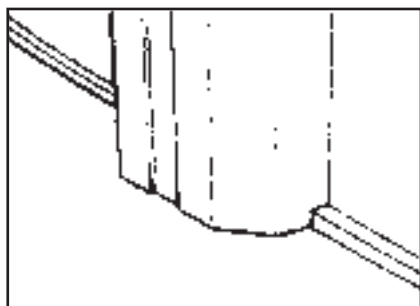
POOL MODEL	CLEAN BUILDERS' SAND (Cubic Metres)
3.80m	1 1/5
4.58m	2

Note: the vertical posts would have to be propped by timber pegs until the wall is installed.

PLACE THE SAND (ROUND POOLS)

Place the required amount of Brickies fatty sand in the centre of the excavated area. Do not spread the sand out at this stage.

Note: Brickies fatty sand is the only sand recommended as a base for the pool. Any other sand may damage the liner.



- (b) Secure top decks temporarily "wrong side up" to verticals around the pool. Check vertical spacings then fix securely in position, until perimeter frame is complete & self-supporting.

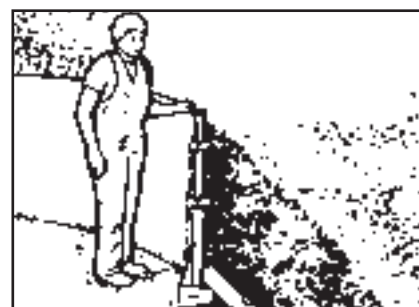
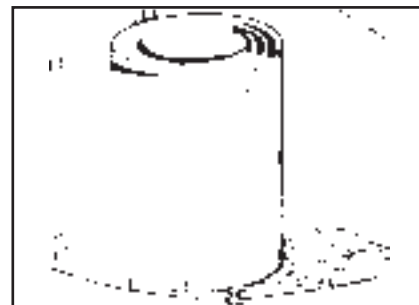
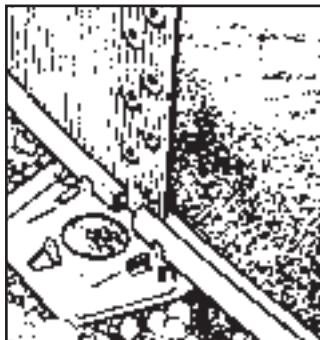
4. WALL INSTALLATION

INSTALLING THE WALL - ALL POOLS

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, with the return pointed towards the opposite end. Use two pieces of hardwood or similar, about 600mm square, one is to stand the wall on and the other to move the wall along as you progress.

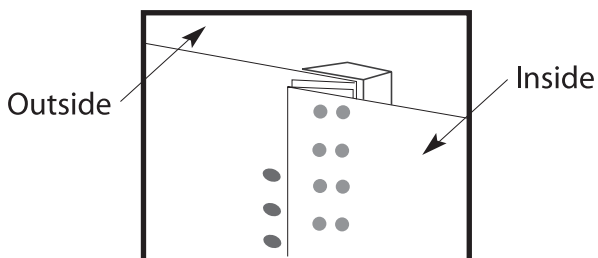
2 or 3 people are required for this task.

The join can be hidden behind the vertical support. Start uncoiling the wall with the end directly over a connector, 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 down slightly to temporarily hold the wall in place as you install the wall.

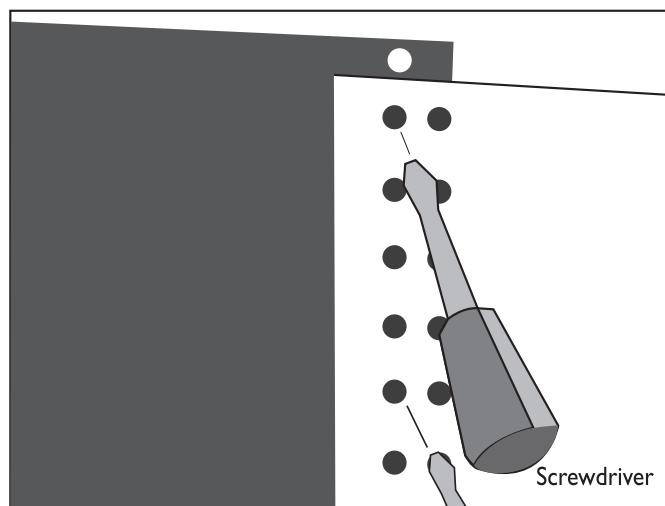


If on reaching the end of the roll, and the holes don't line up, alignment is achieved by gently moving the rails in and out to suit. A small screwdriver can be used to help to align the bolt holes. Check that the wall is secured in the bottom rails all the way around the pool.

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

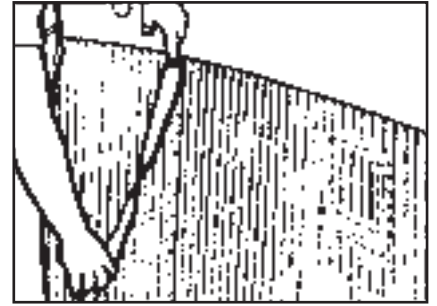


When both ends of the wall are aligned, use two or three phillips head screwdrivers, starting at the bottom of the wall, to keep the wall aligned until you have installed the bolts.

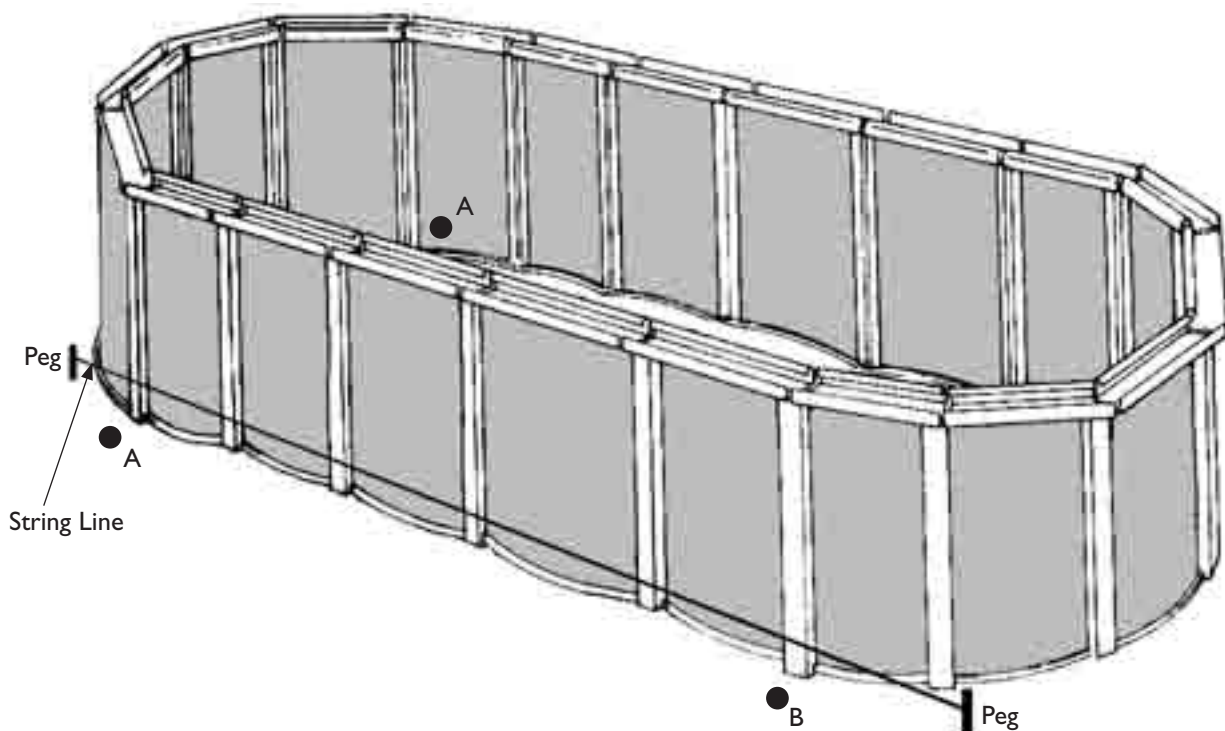


4. WALL INSTALLATION

Assemble the 3/8" x 1/4" bolts, 1/4" nuts and 1/4" 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 this has been done, remove any screwdriver burrs from the wall screws with a file. Cover the bolt heads from top to bottom with duct tape.



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

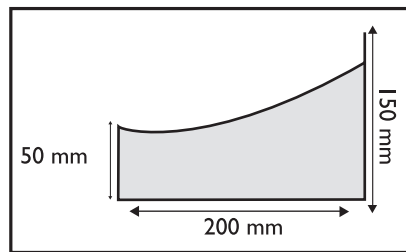
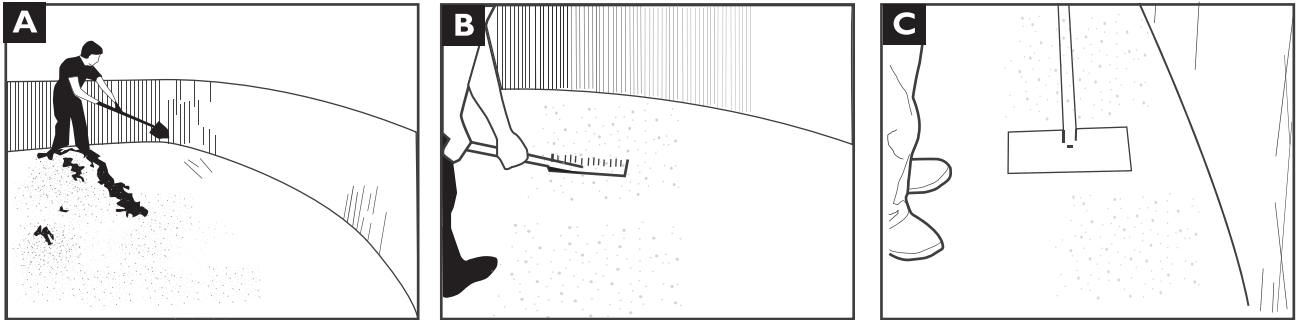


Using a string line to ensure the P post and the first free standing post at each corner are aligned perfectly. A-B refers. Remove the top decks from the pool.

4. WALL INSTALLATION

PACKING AND LEVELLING THE SAND

Before installing the liner, sand must be used as a base around the bottom of the pool area. Using a tape measure and a permanent marker pen make a line on the inside of the wall 150mm up from the bottom edge of the wall. Using a wooden screed, level the sand before compacting with the water filled roller, so it is approximately 75mm deep then compact to 40 - 50mm. Build a sand coving around the inside perimeter to approximately 200mm then compact slightly to 150mm deep to the level of the marked line. The sand coving is critical to slope the liner going under the wall when filled with water.



Pool Wall Coving

5. LINER INSTALLATION

It is now time to fit the vinyl liner to your swimming pool, as this liner may have been supplied by a third party (a liner manufacturer) it is very important that you carefully follow the installation instructions supplied. If you experience any difficulty fitting the liner to your pool contact the dealer where you purchased your pool for assistance.

6. REPOSITIONING THE TOP DECKS



a) Install the top stabiliser rails. These are simply pushed over the ribbed coping and sit between vertical. Cut if necessary.

b) Bend down all tabs of connector plates onto top stabiliser rail to secure wall.

DECK ASSEMBLY



IMPORTANT

- a) Remove PVC protection, from all decks and verticals.
- b) Fit all decks to connector plates with 2x14G self-tapping screws, loosely at first.

Do not tighten firmly until all the decks have been aligned and positioned correctly. Re-adjustment may be required on filling.

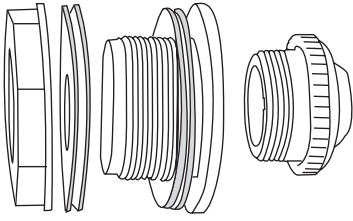
FIT COVER PLATES



Fit at the joint between each deck and secure in place with a 14G self-tapping screw into the elongated slot of the top connector plates. Press the top segment of the cover plate into position over the assembly.

NOTE: The space saver pool has a curved PVC top rail, identical to the PVC base rail, there are three (3) different length of rails supplied. The position of these rails are identical to the position of the base rails. PVC stabiliser rails are not supplied with the space saver pool.

ONE PIECE RETURN FITTING

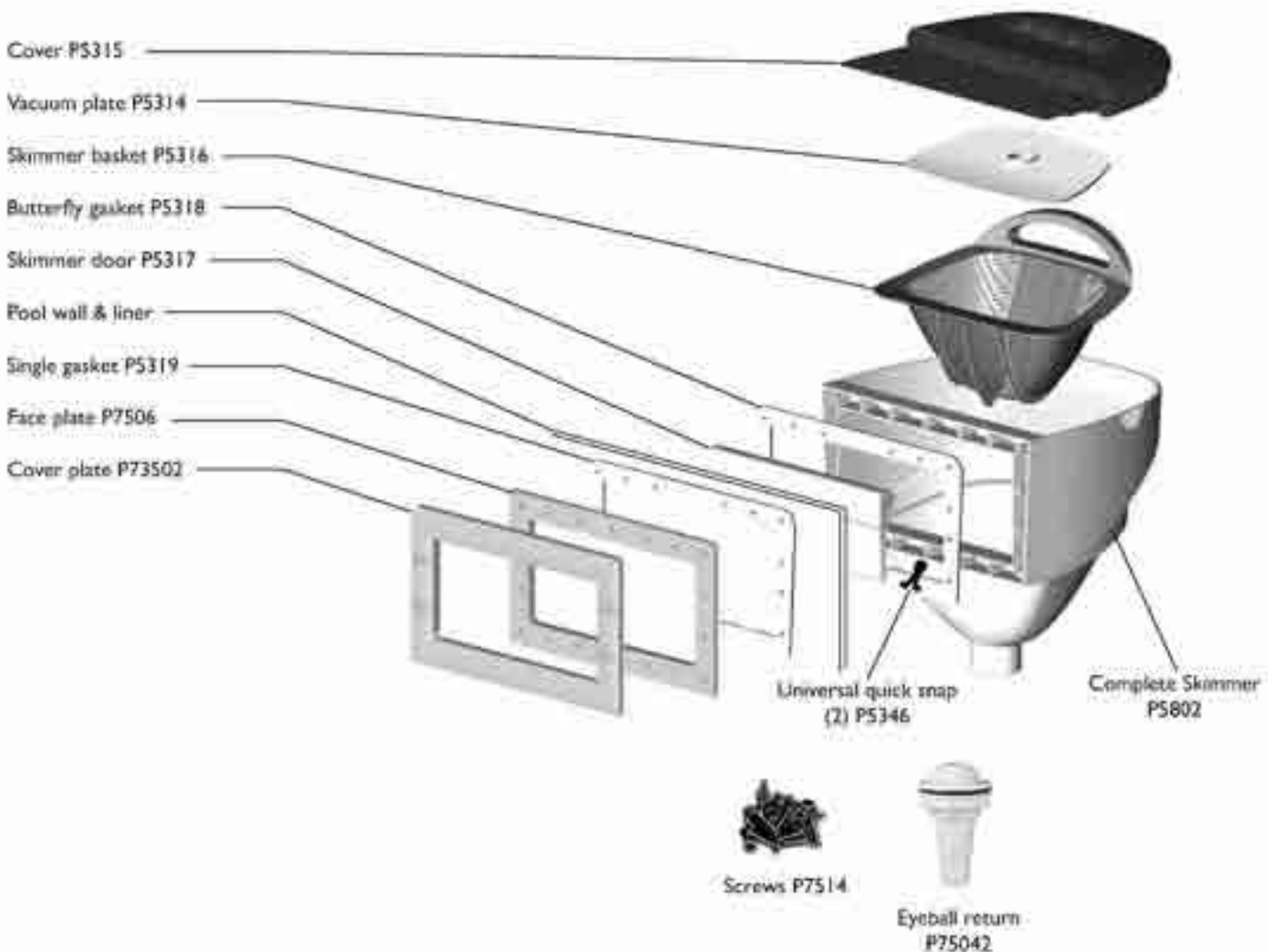


One piece return fitting installation this step is not to be commenced until there is at least 60cm of water in the pool.

Before attaching the return fitting to the pool, it is necessary 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, and 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.
2. Fit a cork gasket over the barrel of the fitting and a rubber gasket between the pool liner and the metal pool wall, and 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 locknut 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 screwed into the face of the wall return fitting. The outlet in this fitting (the return to the pool) should face away from the opening (the inlet) to the weir skimmer assembly.

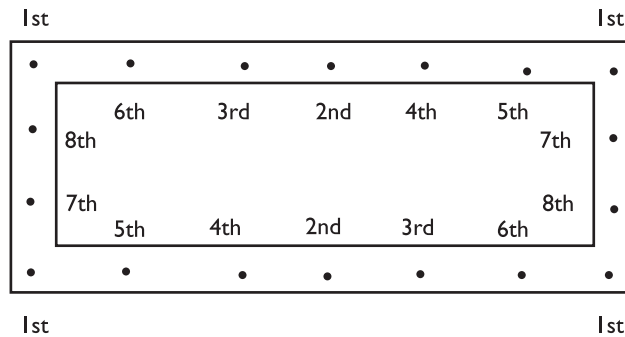


7. SKIMMER BOX INSTALLATION

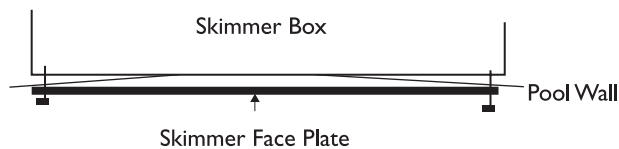
SILICONE SEALANT REQUIRED (NOT SUPPLIED)

Important notice: 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.

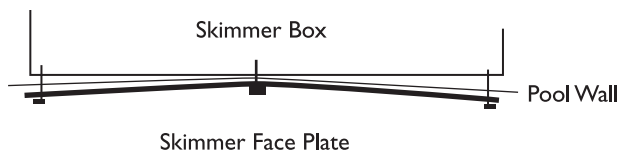
- A.** Insert the double layer gasket around the cut out in the pool wall where the gasket layer is on each side of the pool wall and the screw holes line up (DO NOT UNDER ANY CIRCUMSTANCES CUT THE GASKET.)
- B.** Silicone sealer should now be applied to the back of the face plate, the front of the weir 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. Please make sure that the pool water depth is at least 60cm 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. 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 corner screws first once all others are in place.



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



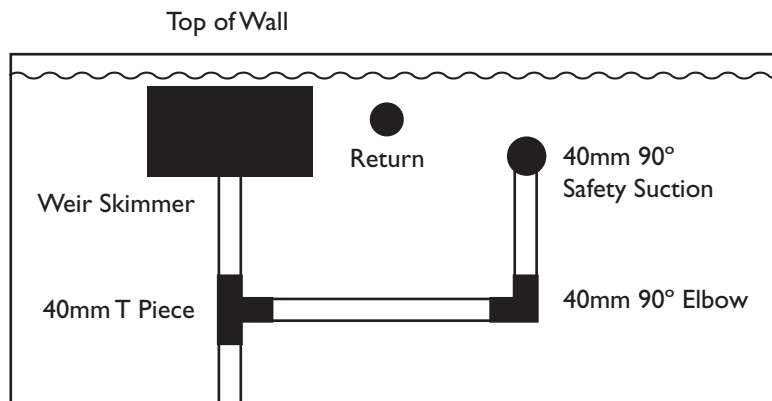
2. Face plate position with centre screw almost completely fastened

- 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 silicone 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 can now 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.)
- G.** Congratulations. The assembly/installation of your pool is now complete. You may now install the filtration motor/pump as per the equipment suppliers instructions.
- H.** Operating instructions
 1. To adjust inlet flow direction loosen knurled outer ring of eyeball fitting, move ball to desired position and tighten knurled ring hand tight..
 2. To clean basket, only remove skimmer cover and pull it out.
 3. 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.

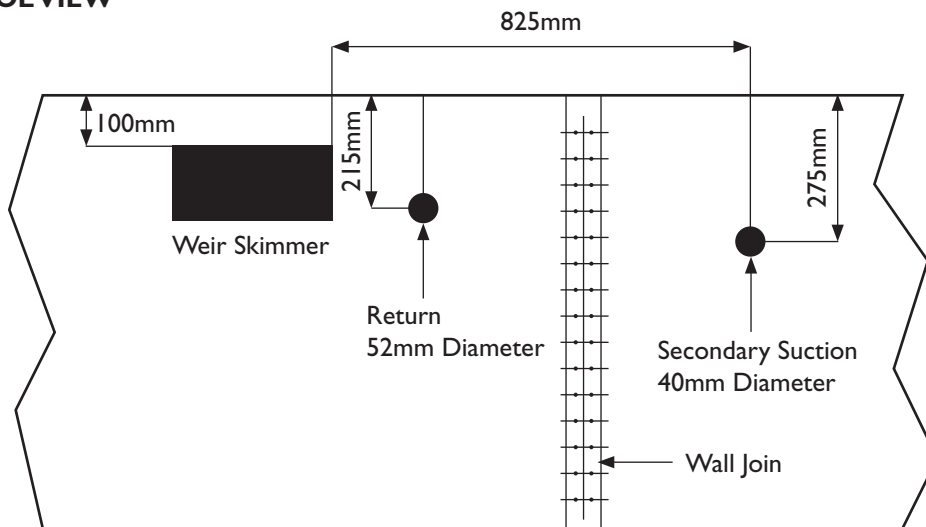
SECONDARY SUCTION

To comply with the legislation requirement in some states and territories, this pool has been supplied with a second suction point cut out, and one P75025 secure suction intake. The second suction point (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. An installation diagram is provided below.

1. SUCTION VIEW



2. RETURN TO POOL VIEW

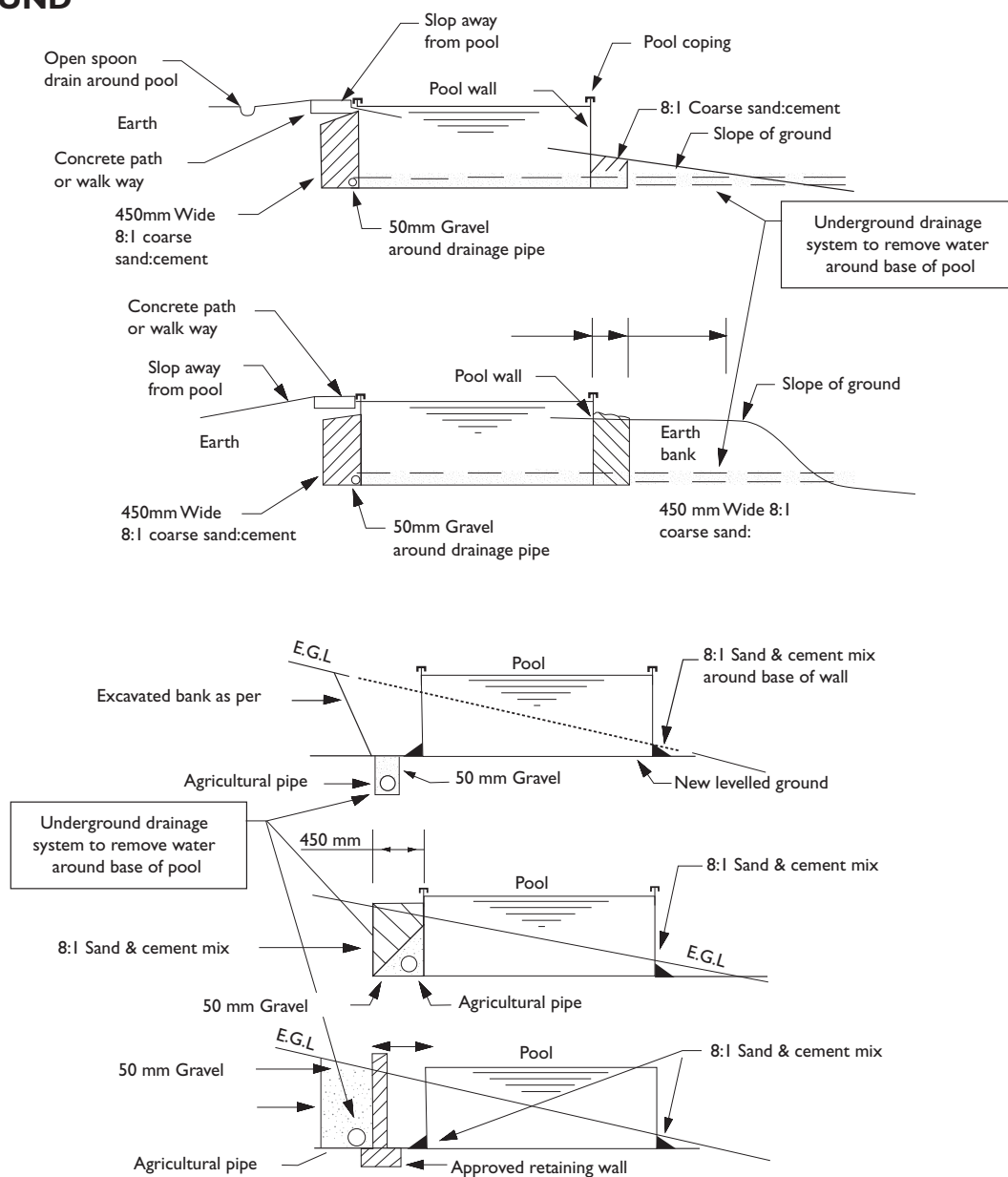


Backfill Requirements for Inground Installations

BACKFILL REQUIREMENTS FOR INGROUND INSTALLATIONS

It is imperative when any part of the pool is installed below (finished) ground line, for inground 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.

POOL IN GROUND



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. 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 should be brought to an upstand pipe with a surface grating for inspection of the ground water level prior to emptying the pool. The upstand pipe can also be used to lower external ground water level locally by means of a suction pump if desired.
3. Prior to any backfilling the pool must be filled with water for a minimum of 48 hours to check for any leaks.
4. 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.
5. The pool must be maintained full of water for minimum of 60 days after backfilling.

POOL CARE

I. CONTROL OF “pH”

The pH is the measure of acidity or 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.

The following table describes how to control the pH.

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

pH	EXPLANATION	TREATMENT
0 to 7.2	Pool water is too acidic. Eyes and skin may be IRRITATED. Metal and plastic parts may be damaged.	Add pH RAISE (Sodium Bi-Carbonate). Add no more than 25 grams per 4540 L (25 grams = 2 level tablespoons approx.)
7.4 to 7.6	IDEAL	
7.8 to 14	Pool water is too alkaline. Water may become cloudy. Liner may be damaged.	Add pH REDUCER (Sodium Bi-Sulphate). Add no more than 25 grams per 4540 L (25 grams = 2 level tablespoons approx.)

2. ANTI-BACTERIAL TREATMENT

One method of keeping the swimming pool free of harmful bacteria is by adding Chlorine to the water using Daily Dose Chlorine (Calcium Hypochlorite) 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 1.0 and 1.5 parts per million (p.p.m.) for unstabilised pools and 0.6 to 1.0 p.p.m. for stabilised pools. This should be checked daily with the Test Kit.

If using Nature² chlorine usage should be reduced by 70%.

3. STEP-BY-STEP TREATMENT

Initial or New Season Treatment

1. Adjust pH to between 7.4 and 7.6.
2. In the evening, add Chlorine at a rate of 10 grams per 1000 litres.
If the pool is to be stabilised: approximately 12 hours after adding Chlorine, add Stabiliser (Cyanuric Acid).
3. Run filter all night.
4. Chlorine Level: For healthy sparkling water the chlorine level should be between 0.6 and 1.0 p.p.m. in “stabilised” pools and between 1.0 and 1.5 p.p.m. for “unstabilised” pools. 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.

5. Testing: Testing of pool water should be carried out in the morning and additions of Chlorine made in the early evening. pH RAISE and pH Reducer can be added when required but always be certain to spread the chemicals over the whole pool.

Daily Treatment - Unstabilised Pools

As a guide, 10 grams per 1000 litres should be sufficient to maintain a chlorine residual of 0.6 to 1.0 p.p.m. in the pool water, but naturally the dose will vary according to climatic conditions and how much the pool is used. Note: Do not place liquid chlorine manually. Refer to Important Information on page 1.

Daily Treatment - Stabilised Pools

When the pool water has been stabilised, the use of 2.5 grams per 1000 litres of Chlorine should be sufficient to maintain a chlorine residual of 1.0 to 1.5 p.p.m. Check the level with your Test Kit and vary the dose if necessary. Stabilised pools have to be super-chlorinated once every two weeks and this is done by adding Chlorine at the rate of 5 grams per 1000 litres of water. Note: Do not use liquid chlorine.

Shock Treatment

Should algae or objectional odours occur, add 14 grams of Chlorine per 1000 litres in the evening when the pool is not in use and run filter for 2 hours to disperse the chemicals.

Chemical Quantities

To Add 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. When chlorine is dissolved in water a Calcium Residue is formed. This can be kept out of the pool by allowing the bucket to stand for an hour and then pouring the solution slowly over the lip of the bucket, retaining the residue in the bottom of the bucket.

Contact your local pool dealer for Zodiac's full range of premium quality pool chemicals.

4. SAFETY AND CHEMICALS

Personal Treatment: Avoid contact with the 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 & Antidote: If concentrates are spilt on skin, eyes or clothing, flush with copious quantities of water for 15 minutes and then seek medical attention.

If poisoning occurs contact a doctor or Poisons Information Centre.

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.

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 fire, drench with plenty of water.

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 wise 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

Children are precious. Please take due caution to ensure that they are supervised at all times whilst in and around the pool area.

Contact your local dealer for a range of pool safety stickers.

6. LADDER SAFETY

Be sure to fill 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. Also first sign of algae growth. Check with test kit, adjust chlorine & pH.

Why is my water cloudy?

Incorrect pH and chlorine reading. Check with test kit, maintain 7.2 - 7.6 pH, 1.00 - 1.5ppm chlorine. Let pool stand after adjusting for 24 hours before running filter. See Nature 2 Q & A.

In the case of eye irritation, what should I do?

Check pH reading. Too low (over acidic) add pH up.

Do I add chemicals to my filter?

NO. Pool chemicals should not be added directly to the filter or surface skimmer. Diatomaceous earth (DE filters only) is the only item that should be added to the skimmer or filter.

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 1.00-1.5ppm chlorine range. Check pH reading.

Where can we obtain replacement parts?

Be sure you include the name & item number or a complete description of your pool. Contact your local pool dealer.

NATURE² QUESTIONS & ANSWERS

What is Nature²?

Nature² is a water purification system which provides safe, clear & refreshing water without heavy chemical use.

How does Nature² work?

The Purifier directs water through a 6 month cartridge which contains a mineral bed that kills bacteria, algae and viruses on contact. Next, Nature² releases trace amounts of silver into the pool to help prevent bacteria and algae growth.

How does pool care change if I use Nature²?

Chlorine usage will be reduced by 70%. Other pool care requirements remain unchanged.

Is Nature² a filter?

No. A filter removes particles and debris, while Nature² disinfects pool water by killing bacteria, algae and viruses, which are too small to be caught by a filter. You need a filter and Nature².

Do I still need to use chlorine? Why?

You need to use a small amount of residual oxidizer. With Nature² you can reduce this by up to 70%.

Are low levels of minerals safe in a pool?

The minerals in Nature² pose no health risks. Water treated by Nature² actually exceeds EPA drinking water standards for bacteria, silver and copper.

Can Nature² stain?

No. In fact Nature² offers a 'no-stain' warranty.

Is Nature² an 'ioniser'?

No. Ionisers electrically discharge copper (or metal alloy) ions into the water. But Nature² non-electrically converts oxygen to sanitiser, and releases bactericidal and algastatic minerals.

QUESTIONS & ANSWERS

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 autowax 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 wirebrush 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?

The Barracuda ZOOM automatic pool cleaner is specifically designed for this pool and is recommended by Zodiac Group Australia Pty. Ltd. Only use pool cleaners designed for vinyl liner pools.

What should I do with my pool during vacation?

Check & adjust pH. Raise chlorine level to 3ppm if you are not using N2. Engage a responsible person to check and keep chlorine level to 3ppm (if you are not using N2) and run filter for at least 4 hours every 4-5 days. Use cover if possible. See Nature 2 Q & A.

Can I mix chemicals with chlorine?

NO, DEFINITELY NOT UNDER ANY CIRCUMSTANCES. Mix & disperse chemicals as described in instructions.

Why does my pool 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 1.00ppm - 1.5ppm and a pH of 7.2 - 7.6 on the test kit.

Add an algaecide. See Nature 2 Q & A.

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.

**LIMITED WARRANTY
FOR ZODIAC SIDEWALL STEEL, RESIN
AND OTHER STRUCTURAL COMPONENTS**

TERMS AND CONDITIONS

The Zodiac PVC Components, Sidewall Steel, other Structural Steel and Resin Components of this Zodiac Pool are warranted by Zodiac Group Australia Pty Ltd ("Zodiac") from the date of purchase to the extent set out in the terms and conditions below ("Warranty"):

**ZODIAC STEEL SIDEWALL AND OTHER STRUCTURAL STEEL & RESIN COMPONENTS
(ZODIAC AND VOGUE POOLS STEEL & RESIN STRUCTURAL COMPONENTS)
– 10 YEAR PRO-RATA LIMITED WARRANTY**

1. Zodiac, at its sole option, will replace any Zodiac structural steel or resin components which Zodiac reasonably finds to be defective during the first three (3) years from the date of purchase.
2. Zodiac will replace any Zodiac steel or resin structural components, which Zodiac reasonably finds to be defective in the fourth (4th) year from date of purchase at the pro rated cost of 25% to the purchaser at the manufacturers suggested retail price for the replacement components at the time of the accepted claim. From the beginning of the fifth (5th) year to the end of the tenth (10th), the cost of the replacement to the purchaser will increase by 5% on the annual anniversary of the purchase.
3. This warranty is limited to the replacement of Pool Steel sidewall and other structural steel and resin components. It does not include any labour costs associated with replacements of parts, nor does it cover costs of water replacement.
4. Refer to your liner supplier / instruction manual for all warranty and terms and conditions regarding your liner.

CONDITIONS AND LIMITATIONS:

1. This Warranty will not apply unless the Registration Certificate accompanying the products has been completed, detached and returned to Zodiac Customer Service, Zodiac Group Australia, PO Box 7238, Wetherill Park NSW, 2164 within thirty (30) days of delivery of the Zodiac Pool and equipment to the purchaser.
2. Any claim under this Warranty must be made in writing to the Zodiac Pool dealer where the Zodiac Pool was purchased accompanied by proof of purchase receipts.
3. If Zodiac should so request to inspect any parts alleged to be defective, such parts are to be delivered at the purchaser's expense to the Zodiac Pool dealer where the Zodiac Pool was purchased.
4. Any Zodiac Structural Steel or Resin Components requested to be returned by Zodiac pursuant to paragraph 3 must first be cleaned and dried, so as not to cause a health hazard, otherwise such Zodiac Structural Steel or Resin Components, would not be accepted nor inspected and will be returned to the purchaser at the purchaser's expense.
5. This Warranty does not cover any labour costs which, in Zodiac's reasonable opinion, may be necessary or desirable in relation to repairing or replacing any defective Zodiac Structural Steel or Resin Components or any other part covered by this Warranty including, but not limited to, dismantling and re-installing the Zodiac Pool, any Zodiac Structural Steel or Resin Components or any other accessories. Zodiac (or its nominated Zodiac representative) reserves the right, at its discretion, to make all reasonable charges to the purchaser for any replacement, repairs and inspection of repair work performed by, or on behalf of, Zodiac in relation to a claim made under this Warranty.
6. The purchaser will be responsible for all transport and freight costs relating to any repair or replacement of the Zodiac Structural Steel or Resin Components under this Warranty.
7. This Warranty is not assignable nor transferable.
8. This Warranty will not apply in the following circumstances:
 - (a) Any damage caused to the Zodiac Structural Steel or Resin Components as a result of misuse, negligence or improper care by the purchaser or as a result of any natural or man-made weed event;
 - (b) The purchaser acquires the Zodiac Pool and/or equipment under hire purchase agreement and the pool and/or equipment is repossessed under that agreement;
 - (c) The Zodiac Pool and/or equipment is used for any purpose other than for domestic swimming;
 - (d) payment for the Zodiac Pool and/or equipment has not been made to Zodiac or the appointed Zodiac Pool dealer in accordance with the agreed terms at the time of purchase;
 - (e) If the Zodiac Pool and/or equipment is used in conjunction with any type of automatic, electronic or salt chlorinator unless a specific written waiver for a particular system is provided by Zodiac;
 - (f) If the TDS level of your pool water exceeds 2000ppm (refer to manual.)
 - (g) The Zodiac Pool, Zodiac Structural Steel or Resin Components have not been installed in accordance with the Zodiac installation manual provided.
9. Zodiac reserves the right to determine whether or not any claimed defect of the Zodiac Structural Steel or Resin Components is caused by faulty workmanship or material or that any part is defective.
10. It is the purchaser's responsibility to ensure that the installation of the Zodiac Pool and equipment comply with appropriate statutory and local government requirements. As installation and conditions of use are beyond Zodiac's control, Zodiac makes no claims that any equipment shall comply with such requirements with the exception that the specifications set out in the Zodiac installation manual are correct at the time of publication.
11. To the extent permissible by the law, Zodiac shall not be liable for any incidental or consequential damage, injury or loss (whether material or personal) arising out of any defect of the Zodiac Pool, including the Zodiac Structural Steel or Resin Components, including, but not limited to, loss of chemicals, flooding, injuries to persons, damages to property or loss of use.
12. This Warranty is the only express warranty given by Zodiac in respect of the Zodiac Pool, including the Zodiac Structural Steel and Resin Components, and excludes or replaces all warranties and conditions implied by any Federal or State legislation which may be excluded, restricted or modified under such legislation. Nothing in this Warranty, however, shall be construed as excluding, limiting or in any way affecting any rights the purchaser may have under the Trade Practices Act, 1974 or any other Commonwealth or State legislation which gives the purchaser rights which cannot be modified or excluded by agreement. If the supply of the Zodiac Pool is a supply of goods to a consumer as defined in the Trade Practices Act, 1974 ("Act"), nothing in this Warranty excludes, restricts or modifies any condition, warranty, right or remedy which the purchaser has under the Act. Zodiac's liability for any breach of a condition or warranty implied by the Act is, however, limited to the full extent permissible under the Act.

Zodiac Group Australia Pty Ltd. ABN 87 002 641 965
219 Woodpark Rd, Smithfield, NSW, 2164 Australia
Customer Care: 1800 688 552 Fax: 1300 781 688
or you can register your warranty on line at www.zodiac.com.au

