Plastica

SELF-BUILD ECO

Wooden Swimming Pools

self-build instructions

CONTENTS

INTRODUCTION

You are advised to read this entire manual before starting your project. In the event of any problems please contact your dealer immediately. Warranty claims will not be invalidated if there is delay in reporting a problem or these instructions have not been followed correctly.

ALL TECHNICAL DRAWINGS ARE LOCATED AT THE BACK OF THIS MANUAL.

Recommendations for Storage after Delivery

- Do not store the wood in direct sunlight or under a black cover as this will cause distortion which will make installation extremely difficult.
- Assemble the pool structure as soon as possible after receipt.
- Assemble the pool structure in one go, preferably in the morning while the temperature is cool.
- If the pool must be stored then use a cool well-ventilated place, sheltered from sun and rain. If possible, keep the pool in its original packaging.
- Components that are damaged, cracked or distorted due to bad storage and/or handling on site are not covered by warranty.

In the pre-assembly period the wood is sensitive to variations in temperature and humidity. It is therefore necessary that you take the following precautions immediately after delivery.

Wood is a living material and once cut the appearance of cracks, slight movements or changes in colour are normal and the planks (except in extreme circumstances) do not need replacing. The planks will have been recently treated and may be delivered to you still moist. In case of a rapid change in temperature; these planks can dry very quickly and lose 1 or 2mm of height. This might give you the impression that they are lifting up while they are actually shrinking.

General Safety Precautions

- Your filtration kit (filter, pump and any optional heating) should be placed at least 2m from the pool shell. You may need to purchase extra pipe and fittings for this. A good option is to house this in a filter box or small garden building.
- It is important to ensure the electricity supply for the pump or any other electrical item has 30mA RCD protection and conforms to current electrical regulations.
- Never leave children unattended around the pool when completed or at any stage of construction.
- The pool is designed for domestic use. Running along the top rail, diving or jumping into the water from the edge must not be allowed under any circumstances. The pool is not suitable for the addition of diving boards.

Required Tools

There are no specialist tools required but in addition to regular hand tools the following will be useful.

- Heavy mallets for assembling walls.
- Large spirit level and set square.
- Quality battery drill with screw driver bits, drill bits and counter sink.
- Clamps for holding components.
- Large mitre block with 90 & 22.5 degree slots for cutting pipes and liner lock.
- Large scissors for cutting underlay felt.

Kit Contents

Check the packing list detailing the contents. As you unpack your pool check that you have all parts required and that their condition is satisfactory.

Contact your dealer immediately if you are in any doubt or believe parts may be missing/damaged.

Safety Precautions

Use safety goggles during installation to reduce risk of eye injury.

Gloves should be worn to protect fingers.

RISK OF DROWNING

Never leave children unattended around the pool when completed or at any stage of construction.

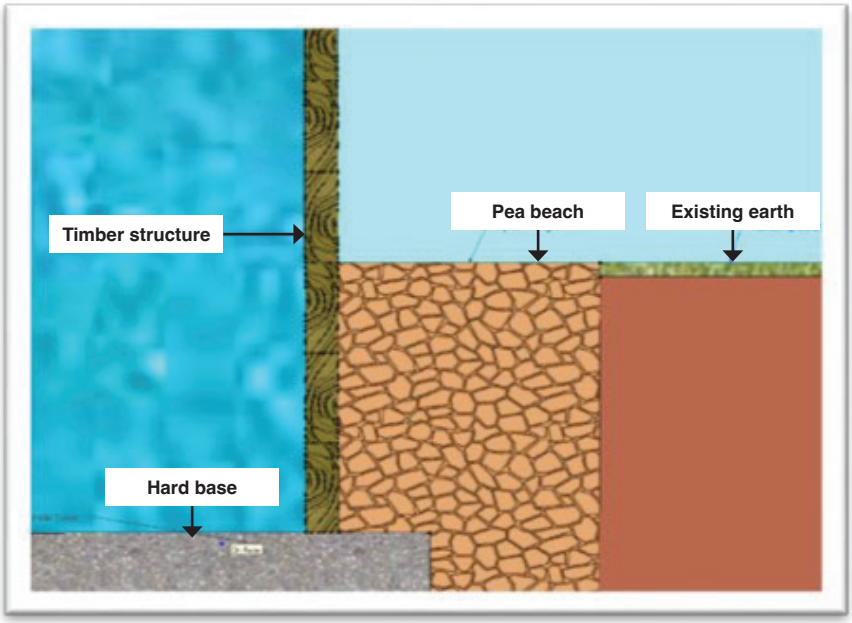
TOTAL OR PARTIAL IN-GROUND INSTALLATION

These timber products can be installed above ground, partially in or fully in ground. However, if you do have your product fully or partially in ground you will need to ensure that there is adequate drainage so that the timbers are not permanently submersed in water. Use an adequate amount of pea beach around the structure if possible, with a run off to a soak away or similar, so that water cannot build up around the structure and rot the timbers. If an adequate amount of drainage in the form of pea shingle or similar has not been used, this may affect the warranty.

This product has been treated with ACQ which is child play friendly and is warrantied against rot and insect attack (10 years on 44mm wood and 5 years on 27mm wood).

However, if this product is being installed completely or partially below ground level, you will need to install adequate drainage around the pool. We recommend 300- 450mm width of pea beach, all the way around the product. Never use a plastic membrane around the outside of product as this will accelerate any deterioration of a timber product.

The timbers are treated for ground contact only and are not to be submersed permanently in water. Please also note that any modification to a wooden structure including drilling or cutting of a wall plank will void the warranty on any plank which is affected. As a precaution if you do require to modify a plank, we suggest that you treat the cut area with a good quality timber preservative if below ground level. Ensure any treatment does not come into contact with the liner.



Warranty

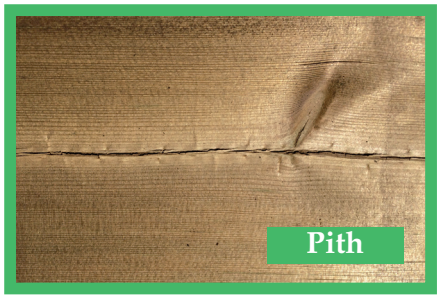
Please register your purchase at www.woodenpools.net/warranty-registration
for your warranty to be valid.

NATURAL TIMBER CHARACTERISTICS

Whilst we try to ensure that our timber products reach you in perfect condition, we have to remember we are dealing with a natural material and there are many characteristics which can arise.

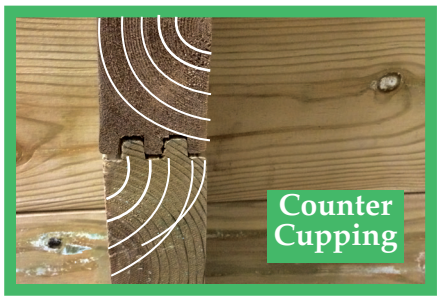
These are completely normal and have no detrimental effect on the product. We also manufacture our products so that most natural defects are on the inside where you will not see them. Or the plank may be reversible, so it can be used either way around.

Shake appears like a series of splits. With a timber section of this size you will always encounter some degree of this (usually on one side). This does not affect the strength of the product and you will find the shake opens in continued warm weather and then closes up when the weather is wet and cooler or if there is a lot of moisture in the air.



Pith is simular to the above defect and quite often found along side each other. Most of this is typically machined to be on the inside of the product.

Knots are typically found in timber as shown. These are not generally an issue and can actually be beneficial relieving stress points in timber. In some people's opinion these add character to the product.



Cupping is mainly caused by the treatment of the timber. Where timber is kiln dried and then pressure treated it can cause cupping. Although we do limit this, the best way for you to counteract it is, as you build the walls of your product, have one plank with the growth rings facing one way and the next with the rings facing the opposite way (counter cupping). This is only possible on square or rectangular products as the planks are reversible. On octagonal products if you have a problematic plank try it in another wall position to see where it will fit best.

Please note we cannot accept returns for natural characteristics complaints (except in extreme circumstances, at supplier's discretion). This includes planks which may arrive damp or containing mould residue (this is not a lasting or detrimental factor).
Any damage caused by poor handling or failure to follow instructions is also not covered by our returns or warranty procedures.

SAFTEY NOTICE

Unless your filtration kit (filter, pump any optional heating) is housed within a secure waterproof filtration enclosure, it should be placed at least 2 metres away from a swimming pool, you may need to purchase additional pipe and fittings if a filtration enclosure is not being used.

It is important to ensure the electricity supply for the filter pump or any other electrical equipment, has a 30 mA RCD protection circuit and conforms to current electrical regulations.

NEVER LEAVE CHILDREN UNATTENDED AROUND THE POOL WHEN COMPLETED OR ANY STAGE OF THE CONSTRUCTION.

The pool is designed for domestic use. Running along the top shelving, diving or jumping in from the edge must not be allowed under any cicumstances. The pool is not suitable for the addition of a diving board.

PREPARATION OF THE BASE

CONCRETE BASE

1. The recommended minimum thickness for a concrete base is 150mm (6"). Using a steel reinforcing grid in the concrete will greatly increase its strength and is recommended. Every site is different so give due consideration to increasing this specification if you have unstable ground or any other concerns. If in doubt seek the advice of a ground working contractor or a civil engineer.
2. Never construct your pool on made up ground, always dig down to undisturbed subsoil.

   The minimum size of a concrete base should be 300mm (11.8") larger than the outside perimeter of your pool walls.
3. Ensure that your finished concrete is absolutely level over the whole pool area. If your base is not level the pool water level will show this after filling.
4. Ensure that your finished concrete is absolutely flat over the whole pool area. Any high and low areas will cause difficulties with construction and spoil the finished look of the liner floor.
5. Ensure that your finished concrete is absolutely smooth. Rough concrete can damage the pool liner. The swimming pool liner and felt will not hide imperfections. Tamp lines or trowel marks will show through when the pool is filled.
6. Allow your concrete to cure before assembling your pool.

If you are installing a stretch Eco pool, please use information and drawings at the back of this manual for base preparation

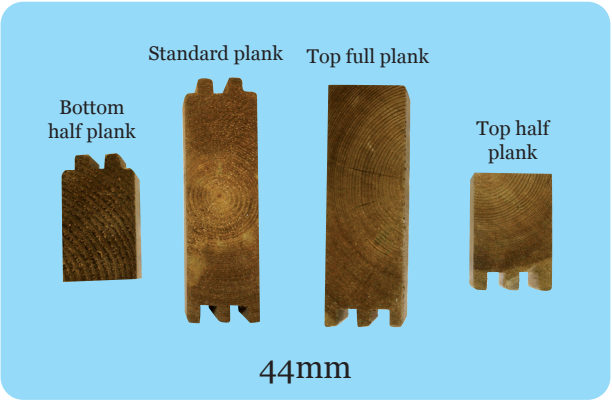
ASSEMBLY OF THE SHELL

DECIDE ON THE LAYOUT OF YOUR POOL

1. Decide which end of the pool you would like the skimmer and return or low level suction (depending on which pool you have ordered) flow fittings. Filtration Equipment and Pipes which will help you decide. The skimmer is best fitted facing into the prevailing wind so that floating debris is blown into the skimmer.
2. If you are planning to use an underwater light decide which side to install it on. A light would usually be sited in the middle of one side and where the external wires will not appear unsightly.

ASSEMBLING THE POOL WALLS

1. Carefully unpack the pallet of wooden planks and stack them in the middle of your pool area. Assembly will be faster if you sort the planks into their different types at this stage.
2. Wooden knocking blocks are provided; these are small untreated blocks of wood which protect the pool wall planks as they are knocked together. Place the knocking block so its grooves align with the tongues of the plank being hit. Never hit a plank with mallet or hammer but always use the grooved blocks provided.
3. Each plank must have 2 tongues facing upwards and 2 grooves facing downwards. This will be a single tongue and groove on 8ft/27mm model.
4. Each plank must be fully tapped home along its entire length.
5. If a plank is difficult to fit, first make sure no object like a small stone has become lodged in any groove.
6. If a plank is still difficult to fit try it in another location.
7. If a plank is warped start fitting from one end and using the tongue and groove as rails “zip” the plank down by gradually working along the length striking firmly with a mallet and the wooden knocking block. Using a clamp may be helpful.
8. Do not start a new layer of planks without making sure every preceding plank is full interlinked.
9. Below is a photo showing each wall section plank.



10. Find the 4 bottom half planks that have a flat under side and two tongues facing upwards. Place these flat side down as shown below.

Note: Please refer to your laminate for exact layout. Configuration of bottom half planks can change between model.

11. Using 4 standard planks you can now form the first layer of the pool walls. The 45 degree interlocking slot at each plank end will form the shape of your pool.

12. Fit the next layer of planks so each side has 2 layers.

13. Continue to fit layers of planks.
14. Choose the position for your filtration wall carefully.
15. Install the inlet plank as the third full plank up.
16. The flower shaped cutout should be on the inside of the pool.

17. Continue to build up the walls checking alignment.
18. Using all the standard planks, firmly tapping them into place and checking for level as you go.
19. Insert the lower skimmer plank on the 7th layer (same wall as the inlet).

20 At this point hang the skimmer as shown before you continue installing planks.

21 The next stage is to insert your top full planks and upper skimmer plank. These have two grooves and a flat top as shown on page 8.

22 Finish off the wall structure using the top half planks as shown on page 8.

23 When all the walls of your product are built the structure should look like above.

FITTING THE WOODEN VERTICAL SUPPORT PLANK

Figure 1

- Locate the wooden vertical support planks and 5mm x 100mm screw
- Refer to your pool layout drawing for the positions.
- The vertical support planks are designed to be fixed so their edge is against the pool wall **[See Figure 1]**.
- Each vertical support will need cutting to match the pool wall height. If the vertical support plank is cut too long it will make fitting the top shelving difficult. It is advisable to number each vertical support with its position and cut to suit that position. Cut each vertical support so that it is level with the top of the pool wall.
- It will be easiest to fit the vertical supports by having one person in the pool and another outside holding each support.
- Position each vertical support so it is level with the top of the pool wall, a set square will assist. The top shelving will eventually rest on the vertical support planks, the triangular top shelving brackets and the pool wall. From inside the pool pilot drill (4mm) through the top plank and into vertical support and fix with a screw.
- Ensure that the screw pulls the vertical support tight against the pool wall.
- Use a spirit level to position the vertical support plank vertically and draw a corresponding vertical line down the inside of the pool. This line should mark the centre of the vertical support plank.
- Pilot drill (4mm) through the bottom plank and into vertical support and fix with a screw. Again ensure that the screw pulls the vertical support brace tight against the pool wall.
- In a similar way fix a screw through each horizontal plank into the support plank.

FITTING THE TOP SHELVING BRACKETS

Figure 2

- The top shelving that runs around the perimeter is supported by wooden brackets.
  These triangular brackets are fixed against the pool wall **[See Figure 2]**.
- Locate the top shelving brackets and place them on top of the pool wall in approximately the positions indicated on the Pool
  Layout drawing of your sized swimming pool
- From the fixings kit locate the 5mm x 100mm screws, two are required for each shelving bracket.
- With a pencil mark the centre position of each shelving bracket on the top of the pool wall according to the dimensions on the Pool Layout drawing.
- Position the wooden external ladder in the middle of your chosen wall. On each side hold a shelving support tight against the outside of the ladder and mark its position. The ladder is later bolted onto these shelving supports.
- It will be easiest to fit the top shelving brackets by having one person in the pool and another outside holding each bracket.
- Level the top of the shelving bracket with the top of the pool wall, a set square will assist. The top shelving will eventually rest on both the shelving bracket and the pool wall. Pilot drill (4mm) the top hole through the pool wall and fix the screw horizontally into the shelving bracket.
- Make sure the bracket is vertical with a spirit level and then pilot drill and fix the lower screw.
- Repeat this procedure for all the top shelving brackets.

FITTING THE LINERLOCK

- Linerlock is the white plastic extrusion that the pool liner hangs from.
- Although the linerlock can be cut straight at a 90 degree angle a neater finish and better fixed liner will be achieved by cutting at 22½ degrees. A mitre block will help with this.
- Take a length of linerlock and trim one end to approximatley 22½ degrees **[See Figures 19 & 20]**.

Figure 3

Figure 4

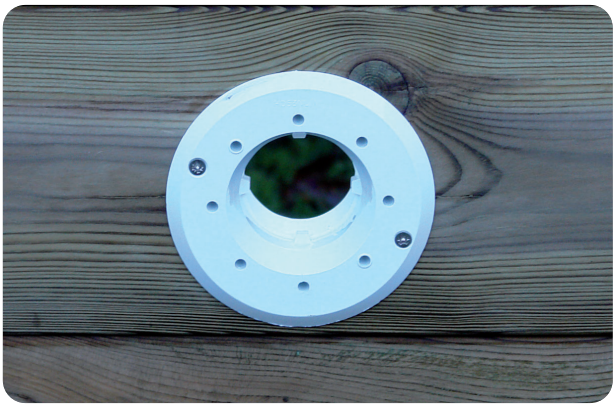
- Clamp or hold this length of linerlock along the inside of one pool wall and mark the length. The correct length is to have the linerlock for each wall meeting in the corner with only a minimal gap. Cut the other end to 22½ degrees.
- Lay the trimmed linerlock along the top of the pool wall and use a 3mm drill bit to make pilot holes starting 25mm in from each end and at approximately 200mm - 250mm centres.
- Use the 3.5mm x 40mm screws to fix the linerlock to the inside of the wall **[See Figure 4]**.
- The linerlock must be exactly flush with the top of the wall.
- Repeat this procedure for each wall ensuring that where the linerlock meets in the corners it is at the same level.
- It may be necessary to make some sections from two pieces as the Iinerlock is supplied in standard lengths, which do not divide exactly into the correct sizes for all pools.
- Ensure that no linerlock screws are left protruding and have no sharp edges that could damage the liner.

FITTING THE SKIMMER
TO THE WALL

1. Pre-drill the skimmer in the four corners. Use the 3.5mm x 20mm panhead screws provided in the fixing kit and fix the skimmer into place as shown.

FITTING THE RETURN

1. Use the two 3.5mm x 20mm countersunk screws provided in the fixing kit to secure the return fitting on the inside of the pool as shown.



GASKETS

1. IMPORTANT: Do not fully insert any screws into the pool fittings at this stage as you may strip the thread before installing the faceplate and liner.
2. Position the self adhesive gaskets carefully and stick into place.
3. With an inlet/low level suction use 2 screws provided with the product.
4. Partially insert a screw at the top and bottom positions of the fitting. Ensure the cross head of the screws finish in the North, East, South and West position. This will help with the installation of the liner later on.
5. For the skimmer, position the self adhesive gasket carefully into location using 4 screws supplied with the product. Partially insert the screws in the 4 corners of the skimmer. Ensure the cross heads of the screws finish in the North, East, South and West position as shown.

FITTING THE
FELT UNDERLAY

1. Using a sharp pair of scissors cut the felt to suit the shape of the pool floor.
2. Use the clipper tape to cover any joins in felt.

INSTALLING THE LINER

1. Prior to fitting your liner, ensure the following: The liner has been stored in a warm environment and that you have carefully examined and removed any sharp objects from inside the pool area. When installing the liner wear socks to protect the liner from any damage caused by footwear.
2. Start to position the liner at a bottom corner of the pool. Make sure each corner floor weld of the liner corresponds with the corners of the pool.
3. Work your way around the pool inserting the beaded edge of the liner into the Linerlock.
4. Use your feet to move any creases in the liner from the middle of the floor to the outside edges.

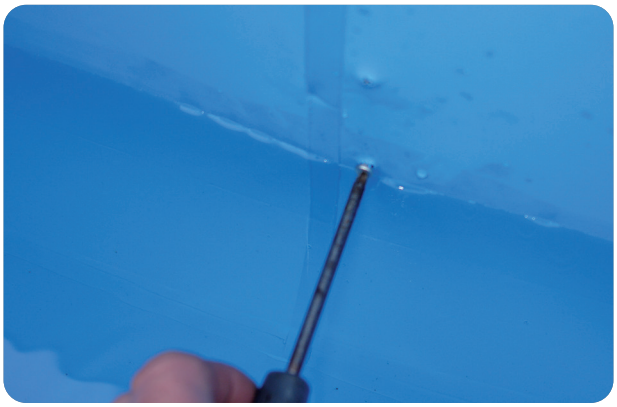
5. When you have done this you can begin to fill the pool with water.

6. Once you have approximately 3 inches of water in the pool, get into the pool bare foot and work out any remaining creases in the pool floor by pushing them with your foot from the middle of the pool to the outside.
7. Continue to fill the pool until you are an inch below the inlet fitting.
8. You may have noticed that the liner seemed too small to begin with, but with the pressure of the water it will stretch into place.

9. At this stage you may wish to install your linerlock wedge. Start in one corner and work your way around the perimeter using reasonable pressure to push it in using your thumbs.

Note: Image used for demostration only

10. IMPORTANT: Proceed with extreme caution when cutting the liner.
11. The two screws which you left in the top and bottom of the inlet/low level suction fitting(s) need to be located through the liner. To do this carefully feel for them and cut a small cross hair (+) with a knife (remembering that the screwholes are in North, East, South and West position). Do not cut the whole width of the screw head. Gently ease the screws through the small incision.



12. Now locate the faceplate and attach gasket for the inlet low level suction fitting.

13. Using the two screw positions already exposed, undo the top screw and attach the faceplate at the top. The faceplate will swing down into the correct position to line up with the bottom screw. Undo and attach the bottom screw through faceplate.
14. Now fix the left and right screws (supplied with fitting) knowing they will be in the correct position.
15. Use a handheld screwdriver (not cordless) so that you can tighten the faceplate screws without damaging the screw holes.

16. Carefully cut the fitting (below).

17. Screw on the directional eyeball for a return inlet.

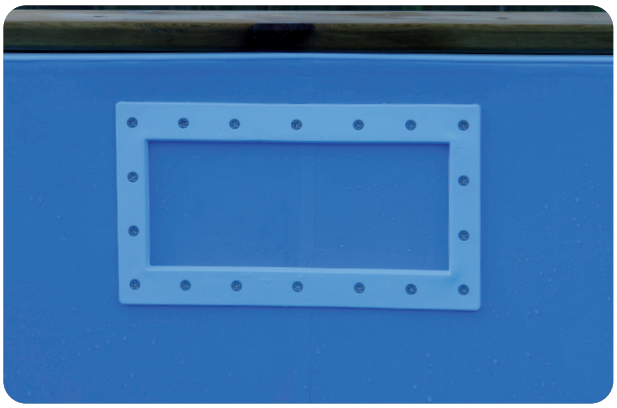
Connect your filtration to the back of the inlet and skimmer before proceeding to fill with water.

18. Assuming your filtration is already connected to the pool. Continue to fill the pool until the water level is approximately 50mm from bottom of the skimmer.

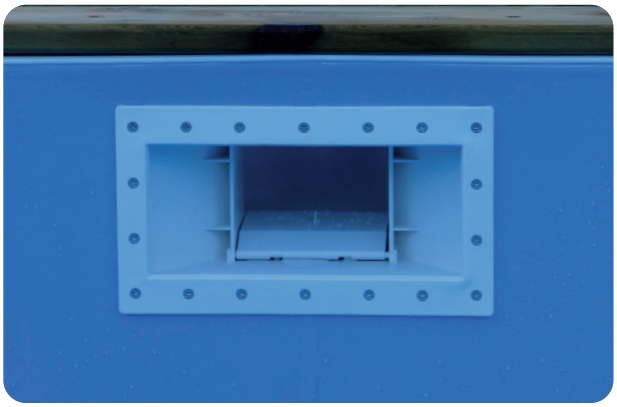
19. Using the same method as for the low level suction / return, locate your screws in the four corners of the skimmer. Carefully cut the crosshairs (+) of the screws, remembering North, South, East and West positions. Ease the screws through a small incision in the liner.

20. Using the screw positions in the 4 corners will help you align the faceplate for the skimmer. Do not forget to stick the gasket supplied on the rear of the faceplate.

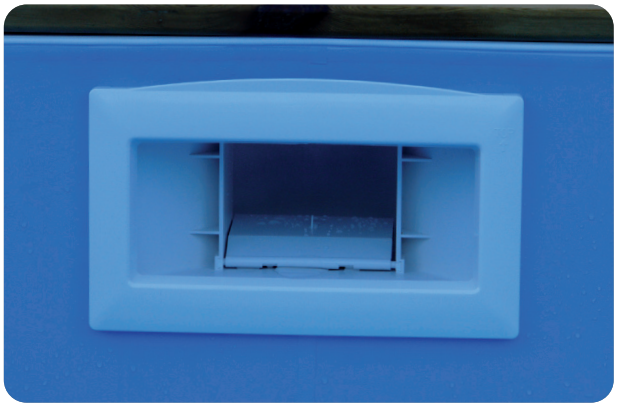
21. When you have tightened the 4 screws in the corners, continue fixing the rest of the screws using a handheld screwdriver (not cordless).



22. Carefully cut out the excess liner material from inside the skimmer faceplate to reveal the skimmer.



23. When this has been done you can clip the cover plate on, as shown below.



KRYSTAL KLEAR
FILTER CONNECTION

1. If you have purchased a sand filter, you will need to install it at the point where the water level is just below the low level suction/return.
2. Assemble the sand filter as per the manufacturers instructions.
3. You will be provided with a pack of fittings labelled IPK100. These are connected to the white fittings (ie. skimmer, return inlet) supplied with your pool.
4. Using PTFE tape insert the 1.5" thread into the pool fittings.
5. Use the O-Rings provided to create a seal between the flexible hoses and IPK100 fittings on the pool.
6. Then connect the hose from the sand filter (pump end) to the skimmer and the filter end to the return inlet.
7. You can now continue to fill your pool.
8. Read the manual supplied with the sand filter for safe installation and operation of the product.

• **PLEASE NOTE: From 2017 Ball Valve not included with the Intex Pump**

FITTING THE TOP SHELVING

Position the Top Shelving

- The top shelving comes as 16 pieces, 8 inner planks and 8 outer planks.
- Lay the inner planks around the pool, resting them on the pool wall and top shelving brackets.
- The inner planks are designed to slightly overhang the installed liner, ensure that this overhang is consistent all around the pool.
- Lay the outer planks leaving a gap of approximately 4mm between the inner and outer planks **[See Figure 5]**.
- Take the 8 plastic corner covers and trial fit them in place. Note there is a tab on the underside that determines the spacing between the inner and outer planks **[See Figure 6]**.

Figure 5

Figure 6

Figure 7

- It is worth taking time to arrange the inner and outer planks carefully, ensuring they are parallel to each other, the pool overhang is consistent and they are correctly spaced apart. Above the skimmer **[See Figure 7]** be aware of the hinged trap door to be formed, see below.
- It is quite usual to have expansion space at the end of each top shelving plank.
- Temporarily fix each top shelving plank into place by using one screw at each end.

CREATE HINGED SKIMMER DOOR (OPTIONAL)

- For access to the skimmer a hinged “trap door” needs to be formed **[See Figure 8]**. This is optional as the skimmer basket and skimmer are still serviceable and removable.
- On the outer plank of the top shelving that passes over the skimmer mark both sides of each shelving support.
- Remove this top shelving plank and mark positions to cut it. The cuts need to be positioned so the hinged trap door will rest on about 15mm of either shelving support. Also position the cut so the non-hinged part of the top shelving can be screwed to the shelving supports **[See Figure 9]**.
- Re-position the top shelving plank on the pool to double check the cut positions. Check that: the skimmer lid will be removable, the main parts of the top shelving can be screwed to shelving supports and the hinged part will also rest on the shelving supports **[See Figure 8]**.
- Cut the outer top shelving plank and fix it to the inner plank with the supplied hinges and screws.

Figure 8

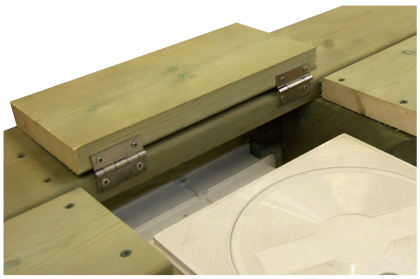


Figure 9

FIX THE TOP SHELVING CORNER BRACKETS

- Locate the 8 stainless steel top shelving corner Brackets, the thirty two M5 x 40mm bolts and thirty two nyloc nuts.
- The brackets are designed to span all 4 top shelving planks underneath each corner. One screw goes through each inner plank, and one screw through each outer plank.
- Hold the bracket in position on the underside of the top shelving and trial fit a plastic corner cover to check it will hide the top shelving conrner brackets fixing bolts.
- Clamp the bracket in position. Using a 5mm drill make a hole upwards through the top shelving. Countersink the top of this hole and pass a bolt down through the top shelving and corner bracket making sure that the bolts head does not protrude. Fit the nut onto the bolt and tighten against the corner bracket **[See Figure 10]**.
- Check the bracket is still in the right place and repeat for the remaining 7 brackets.

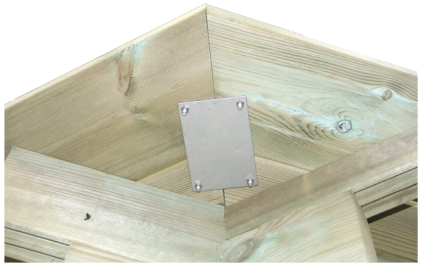


Figure 10

SECURE THE TOP SHELVING

- If necessary remove temporary screws added earlier.
- Use the 4mm x 63mm screws to fix the top shelving down to the shelving support brackets and pool wall.
- Pilot drill and countersink each hole.
- At each shelving support position it is usual to have two screws in the outer top shelving plank and two screws in the inner plank. Ensure that the innermost screw goes into the middle of the pool wall and can not puncture the pool liner.
- At each corner screw the top shelving planks down to the extended wall planks.
- On the large octagon pool additional strength will be achieved by screwing the top shelving down to the vertical support planks as well as the top shelving support brackets.

FIX THE PLASTIC CORNER COVERS

- Position each plastic corner cover on top of the wooden top shelving so it covers the bolts used to fix the top shelving corner brackets **[See Figure 11]**.
- Pilot drill (4mm) through the inner two holes into the top shelving wood to a depth of about 15mm. Be careful not to go right through the top shelving.
- Fix the inner two 5mm x 25mm screws
- Repeat this procedure for the outer two screws and then the inner four screws.

Figure 11

BUILD THE EXTERNAL WOODEN LADDER

- Locate the wooden ladder treads and wooden ladder sides.
- From the fixings kit locate the 5mm x 65mm screws used to secure the ladder treads to the ladder sides.
- Using a 4mm drill bit make holes through the ladder sides to accept the screws, two holes in each slot.
- Place one ladder side on a flat surface with slots facing upwards. You may wish to protect the wood surface by padding it with cardboard or similar.

Figure 12

Figure 13

Figure 14

- Fit each ladder tread into a slot and tap home. Do not hit the ladder sides or treads directly but use a wooden block.
- Place the second ladder side over the top and tap home so the treads are firmly in place **[See Figure 12]**.
- Fit two screws through the ladder side into each tread using the holes drilled earlier.
- Turn the ladder over and fit the remaining screws.
- The ladder is not connected to the pool now but is needed to check the shelving support spacings later.

FITTING THE LADDERS

Figure 15

FITTING THE EXTERNAL WOODEN LADDER

- Offer up the wooden ladder to your chosen pool wall and position by laying a spirit level on a ladder tread **[See Figure 15]**.
- On the Octagonal pool the external ladder should be tight against top shelving supports and/or vertical wooden support planks.
- Use a 10mm drill to make holes through the ladder and shelf support or wooden vertical support plank.
- Take the 10mm coach bolt and pass it through the hole from the inner side. Fix on the washer and nut from the outer side so that people do not catch their feet on the protruding fixings **[See Figure 15]**.

FITTING THE INTERNAL METAL LADDER

- Assemble the stainless steel ladder in accordance with its own supplied instructions.
- Remember to fit the ladder cushions to the bottom of the ladder or you will damage your liner.
- Place the ladder on the top shelving directly above the wooden ladder **[See Figure 16]**.
- Use a spirit level to position the ladder vertically and make sure the ladder cushions are resting against the pool liner.
- Mark the position of the 6 holes in the fixing flanges.
- Remove the ladder and drill 8mm holes through the top shelving.
- Reposition the ladder and fit the 6 ladder bolts down through the ladder flange and top shelving **[See Figure 17]**.
- Underneath the top shelving fit a washer and nut onto each bolt and tighten **[See Figure 18]**.

Figure 16

Figure 17

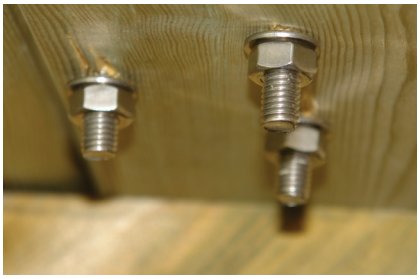


Figure 18

STRETCHED ECO
WOODEN POOL ONLY

CONCRETE BASE

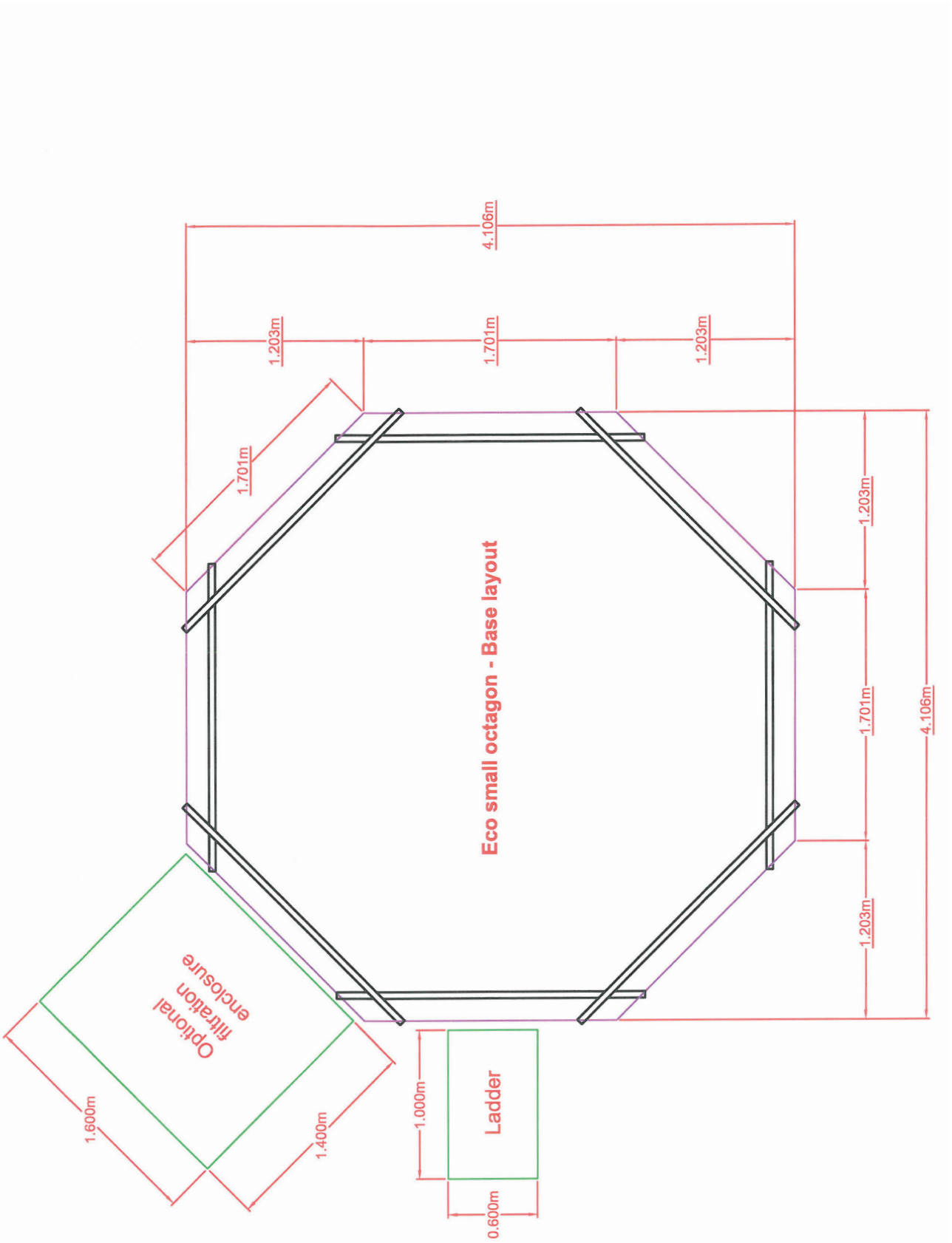
1. The recommended minimum thickness for a concrete base is 150mm (6”). Using a steel reinforcing grid in the concrete will greatly increase its strength and is recommended. Every site is different so give due consideration to increasing this specification if you have unstable ground or any other concerns. If in doubt seek the advice of a ground working contractor or a civil engineer.
2. Never construct your pool on made up ground, always dig down to undisturbed subsoil.

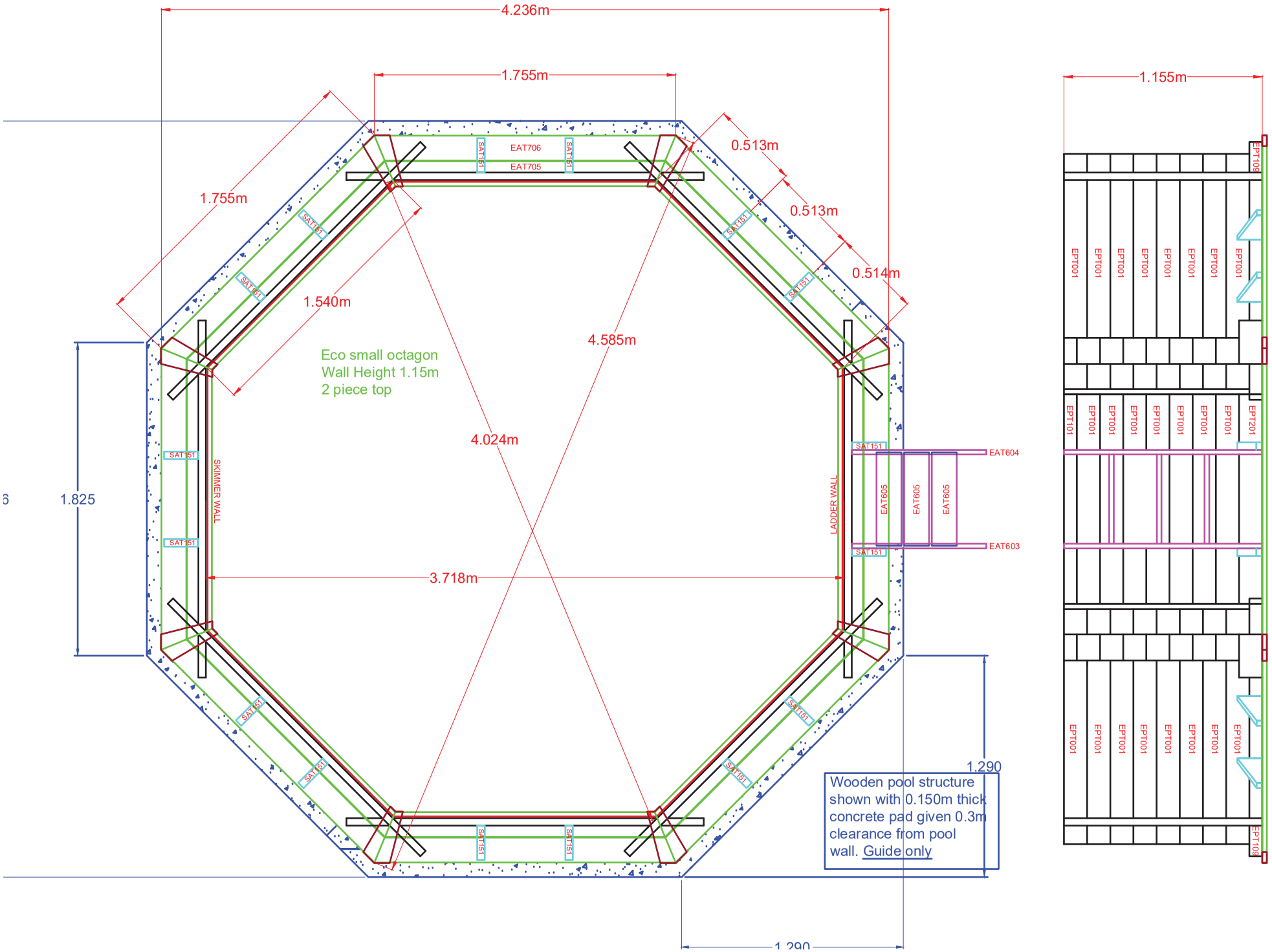
   The minimum size of a concrete base should be 300mm (11.8”) larger than the outside perimeter of your pool walls.
3. The long side of the stretched octagonal pool need to be braced to keep them stable. This is achieved using steel braces that pass under the pool and up each side. See figure 19 and 20.
4. Ensure that your finished concrete is absolutely level over the whole pool area. If your base is not level the pool water level will show this after filling.
5. Ensure that your finished concrete is absolutely flat over the whole pool area. Any high and low areas will cause difficulties with construction and spoil the finished look of the liner floor.
6. Ensure that your finished concrete is absolutely smooth. Rough concrete can damage the pool liner. The swimming pool liner and felt will not hide imperfections. Tamp lines or trowel marks will show through when the pool is filled.
7. Allow your concrete to cure before assembling your pool.

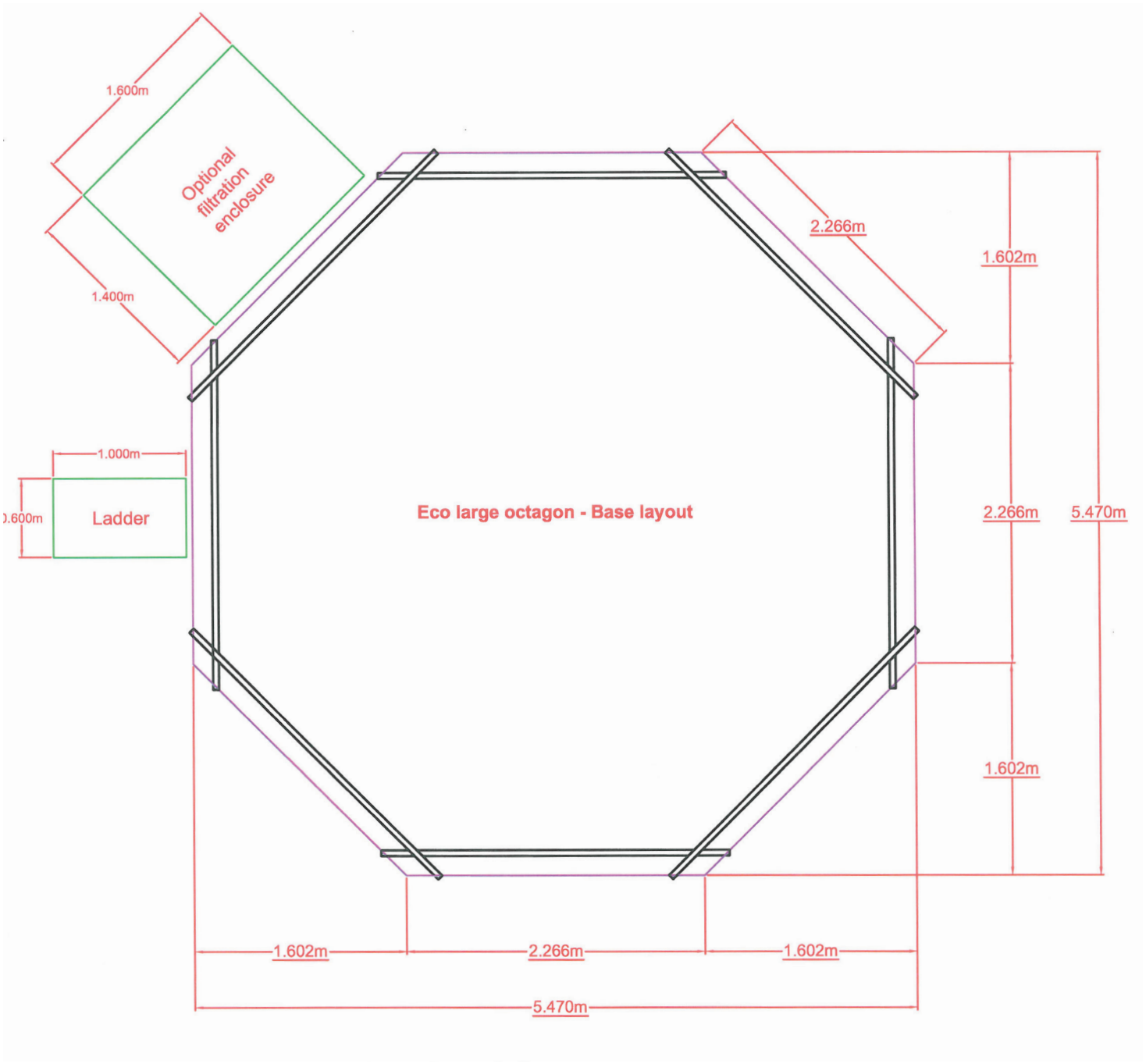
Figure 19

Figure 20

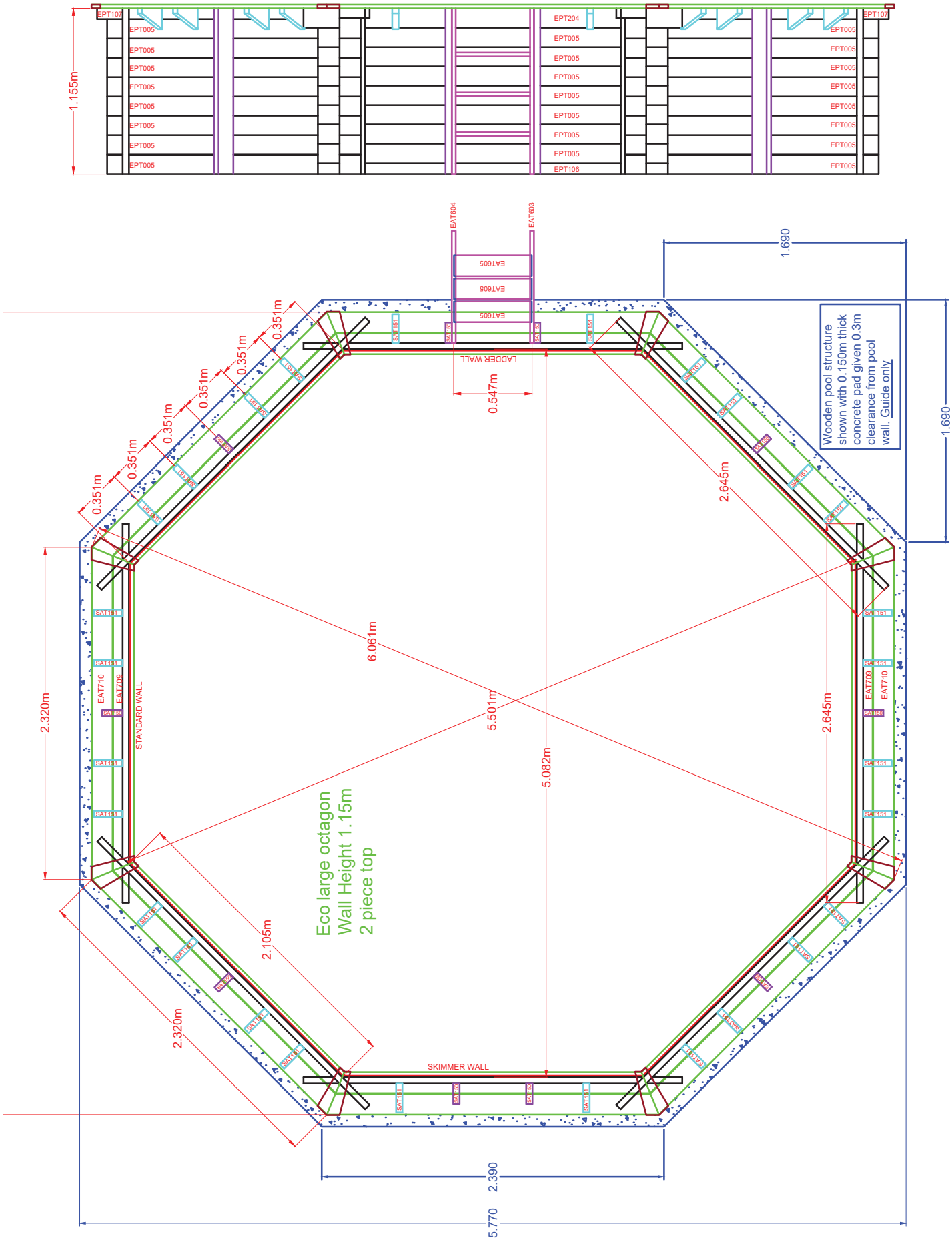
8. Refer to base layout details (at the back of this manual) for the stretched eco wooden pool to give positioning on metal braces.
9. Lay the metal braces on your base area in the positions indicated on the layout drawing.
10. Use a spirit level to make sure the bottom of each metal brace is horizontal and that the verticals are not leaning sideways.
11. Make sure metal braces are lined up with each other as per the drawing.
12. When you are satisfied with the metal braces in position secure them with a 35mm motar.
13. Pour your concrete base over the steel bracing ensuring that the horizontal parts are completely covered with concrete.
14. Make sure the metal bracing does not move while pouring the concrete or while it is curing.
15. Ensure that your finished concrete is absolutely flat over the whole pool area. Any high and low areas will cause difficulties with construction and spoil the finished look of the liner floor.
16. Ensure that your finished concrete is absolutely smooth. Rough concrete can damage the pool liner. The swimming pool liner and felt will not hide imperfections; tamp lines or trowel marks will show through when the pool is filled.
17. Allow your concrete to cure before assembling your pool.


4.106m
1.203m
1.701m
1.203m
1.701m
1.203m
1.701m
4.106m
Eco small octagon - Base layout
Optional
filtration
enclosure
1.600m
1.400m
1.000m
Ladder
0.600m

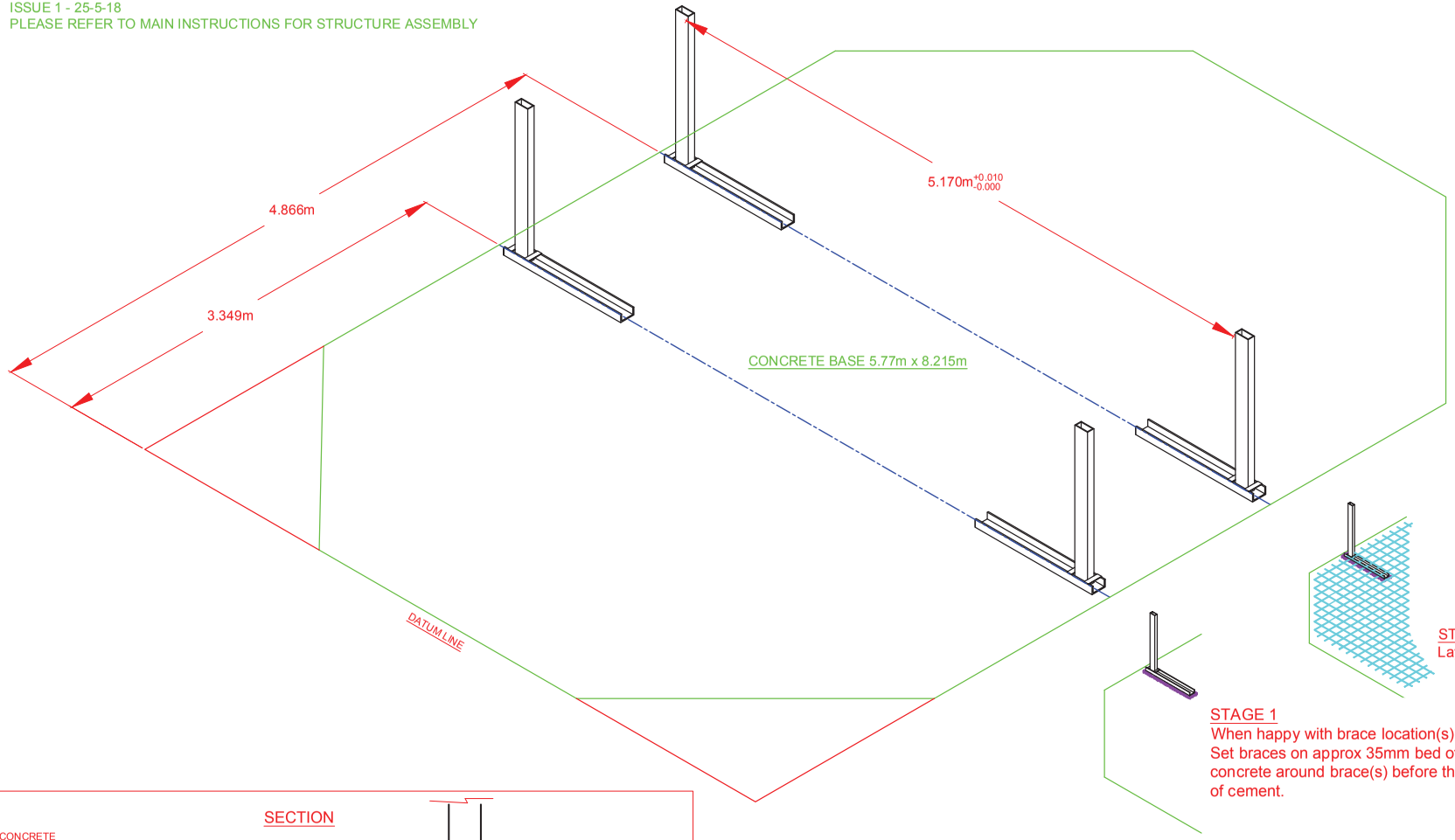

4.236m
1.755m
1.755m
0.513m
0.513m
0.514m
1.540m
4.585m
4.024m
3.718m
1.825
Eco small octagon
Wall Height 1.15m
2 piece top
EAT706
EAT705
SAT151
SKIMMER WALL
LADDER WALL
EAT604
EAT605
EAT603
1.290
Wooden pool structure shown with 0.150m thick concrete pad given 0.3m clearance from pool wall. Guide only
1.290
1.155m
EPT109
EPT001
EPT101
EPT201



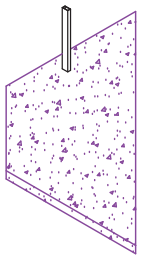
Note;
• Maximum base sized underlined.
• Consider extending the base area on one side for the external ladder.
• Consider extending another side for placing the pump and filtration.
• Note that the skimmer can not be on the same wall as the ladder or optional filtration enclosure.


EPT107
EPT005
EPT204
EPT106
1.155m
EAT604
EAT603
EAT605
1.690
0.547m
0.351m
2.645m
Wooden pool structure shown with 0.150m thick concrete pad given 0.3m clearance from pool wall. Guide only
6.061m
5.501m
5.082m
2.320m
2.105m
Eco large octagon
Wall Height 1.15m
2 piece top
STANDARD WALL
LADDER WALL
SKIMMER WALL
EAT710
EAT709
SAT151
SAT152
SAT153
2.390
5.770

BASE LAYOUT DETAILS FOR LARGE STRETCHED ECO WOODEN POOL
ISSUE 1 - 25-5-18
PLEASE REFER TO MAIN INSTRUCTIONS FOR STRUCTURE ASSEMBLY



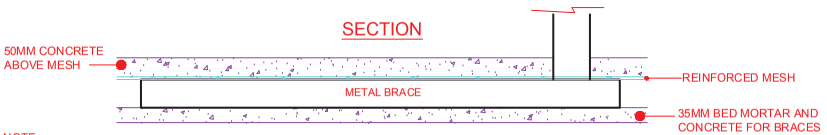
STAGE 3
When mesh is in position pour concrete into excavation to cover mesh by 50mm minimum.



STAGE 2
Lay reinforced mesh on top of brace bottom

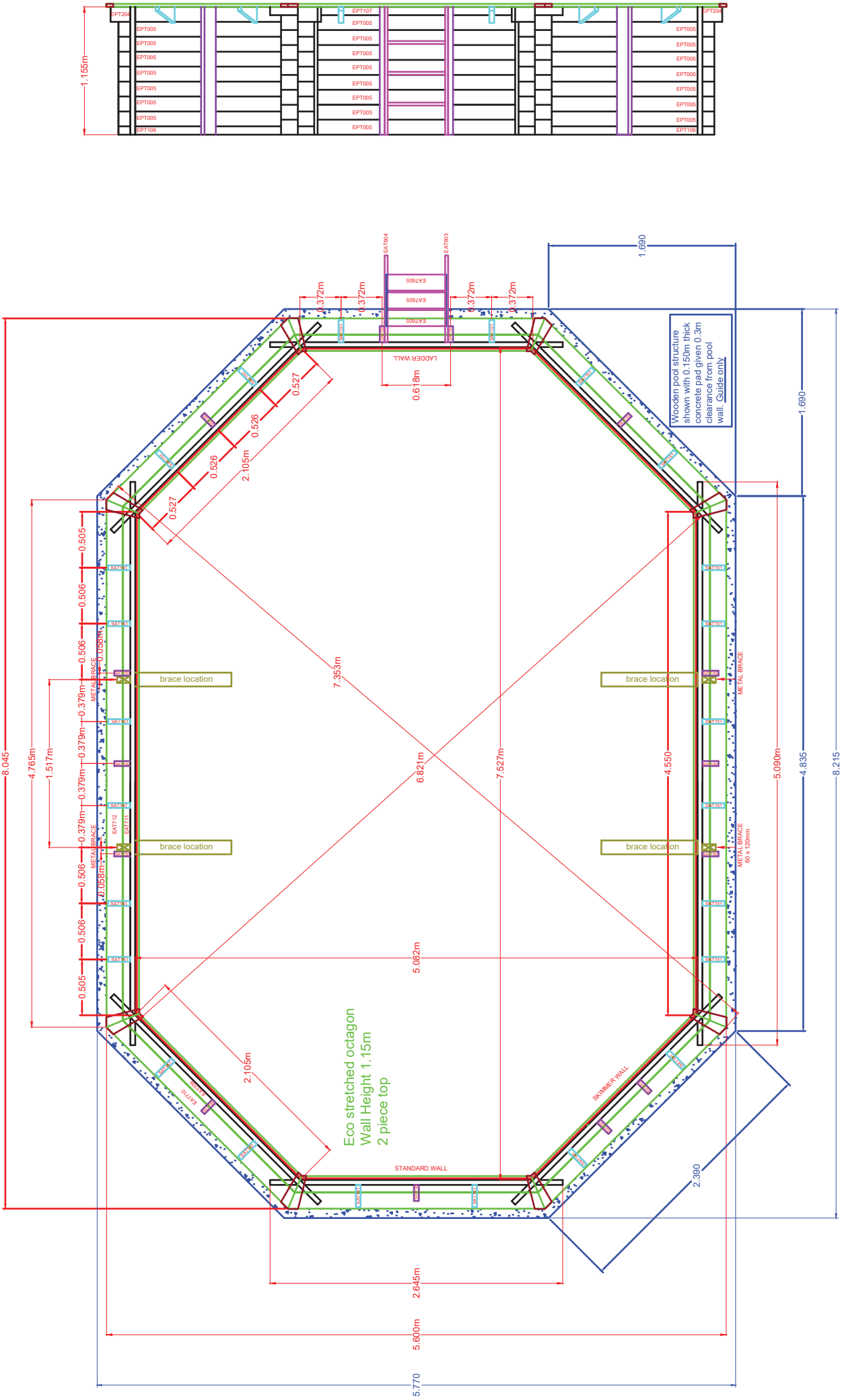
STAGE 1
When happy with brace location(s)
Set braces on approx 35mm bed of mortar and concrete around brace(s) before the main pour of cement.

SECTION



NOTE:
WITH THE 35MM BED OF MORTAR, THE BRACE AND THE POUR OF 50MM OF CONCRETE ABOVE MESH TOTAL THICKNESS OF BASE SHOULD BE 150MM

- Maximum base sized underlined.
- Consider extending the base area on one side for the external ladder.
- Consider extending another side for placing the pump and filtration.
- Note that the skimmer can not be on the same wall as the ladder or optional filtration enclosure.


1.155m
EPT204
EPT005
EPT107
EPT106
1.690
EAT604
EAT603
EAT605
0.372m
LADDER WALL
0.618m
Wooden pool structure shown with 0.150m thick concrete pad given 0.3m clearance from pool wall. Guide only
0.527
0.526
2.105m
0.505
0.506
0.379m
0.058m
METAL BRACE
brace location
7.353m
6.821m
7.527m
4.550
5.090m
4.835
8.215
8.045
4.765m
1.517m
EAT712
EAT711
5.082m
Eco stretched octagon
Wall Height 1.15m
2 piece top
STANDARD WALL
SKIMMER WALL
EAT710
2.390
2.645m
5.600m
5.770

Plastica

Wooden Pool Warranty

*Plastica give a **10 year** parts only warranty to the timber structure against wood rot and insect infestation*

Timber Structure	10 years
Liner	5 years
Top Deck	1 year
Pump	1 year
Filter	1 year

Terms of Warranty on Wooden Pool Structure:

The warranty duration on the wooden pool structure is 10 years on a pro-rata basis, reducing by 10% per anum.
eg. after 3 years the warranty covers 70% of any valid claim.

The warranty covers the 44mm timber structure from insect attack and rotting. This applies to the damaged wall planks only, providing they are returned to our St Leonards factory at the consumers cost and risk. Any replacements will be arranged in accordance with the above warranty with free of charge delivery back to site (UK mainland only).

Terms of Warranty:

1. *We will need to see the original proof of purchase.*
2. *The pool must be installed in accordance with the installation instructions and remain in its original installation location.*
3. *Wood is a natural product and movement and discolouration can be expected. Plastica Ltd accept no liability for any such isuues that may arise.*
4. *This warranty is between Plastica Ltd and the original purchaser and is not transferable.*
5. *Plastica Ltd accepts no liability for any consequential loss.*

Structure Warranty

0 to 12 months	100%
13 to 24 months	90%
25 to 36 months	80%
37 to 48 months	70%
49 to 60 months	60%
61 to 72 months	50%
73 to 84 months	40%
85 to 96 months	30%
97 to 108 months	20%
109 to 120 months	10%

Liner Warranty

0 to 12 months	100%
13 to 24 months	80%
25 to 36 months	60%
37 to 48 months	40%
49 to 60 months	20%

Plastica

ECO

Wooden Swimming Pools

MANUFACTURED IN THE UK

Don't Forget....

to register your new Wooden Pool warranty online to validate it!

www.woodenpools.net/warranty-registration

WHAT ABOUT US?

Plastica is the UK's leading independent swimming pool manufacturer. Our state of the art 13,000 square metre factory is in St Leonards-on-Sea in East Sussex.

As well as wooden pools, we produce pool liners, solar, heat retention and debris covers, water treatments, stainless steel reel systems, ladders and other accessories. We also sell a wide variety of wholesale products from established suppliers.

Our reputation for high quality, competitively priced products is based on our knowledge and understanding of the wet leisure market and our friendly, helpful staff.

Plastica

The UK's Leading Independent Swimming Pool Manufacturer and Distributor

www.woodenpools.net **sales@woodenpools.net** **Find us on**