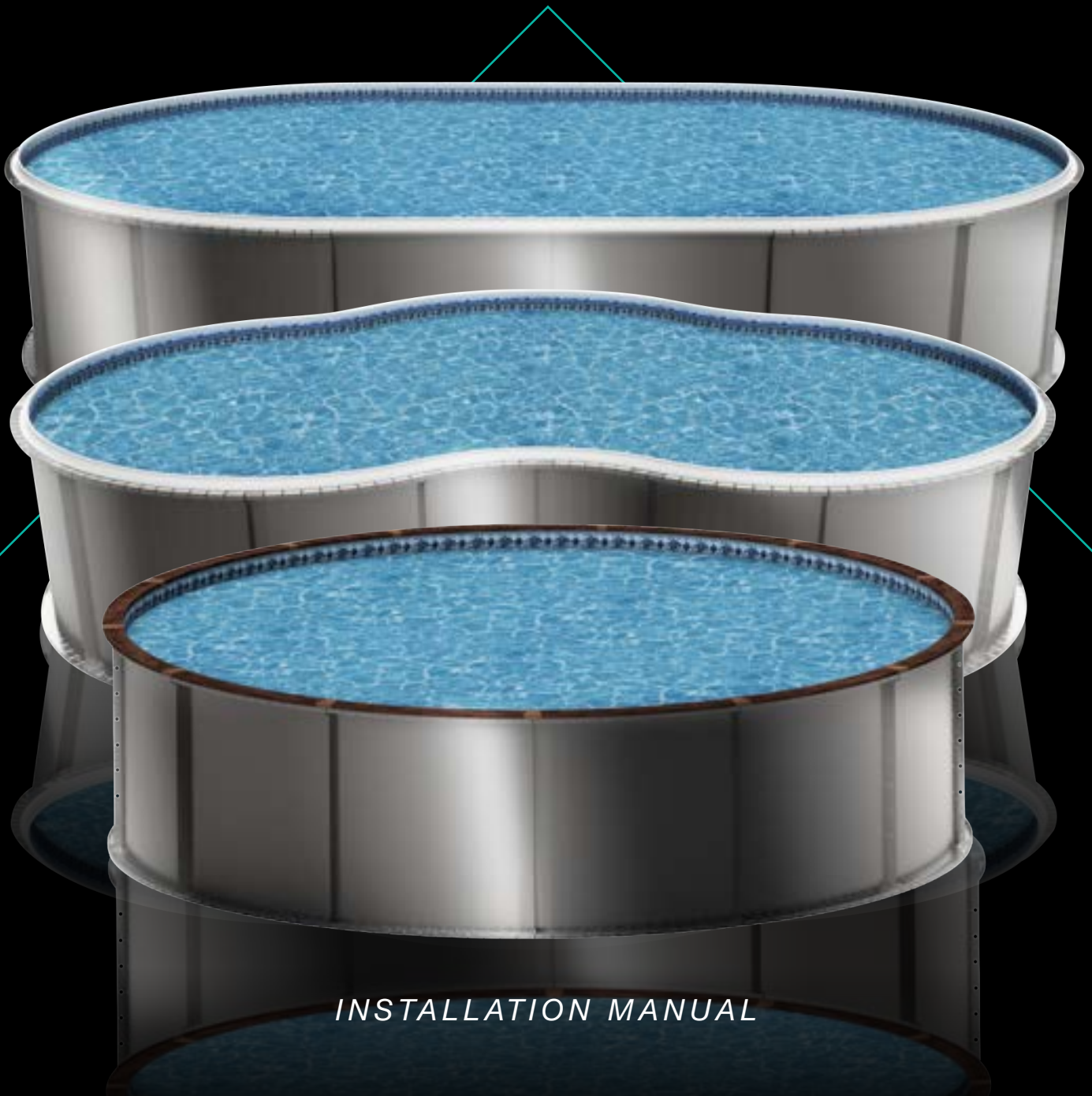
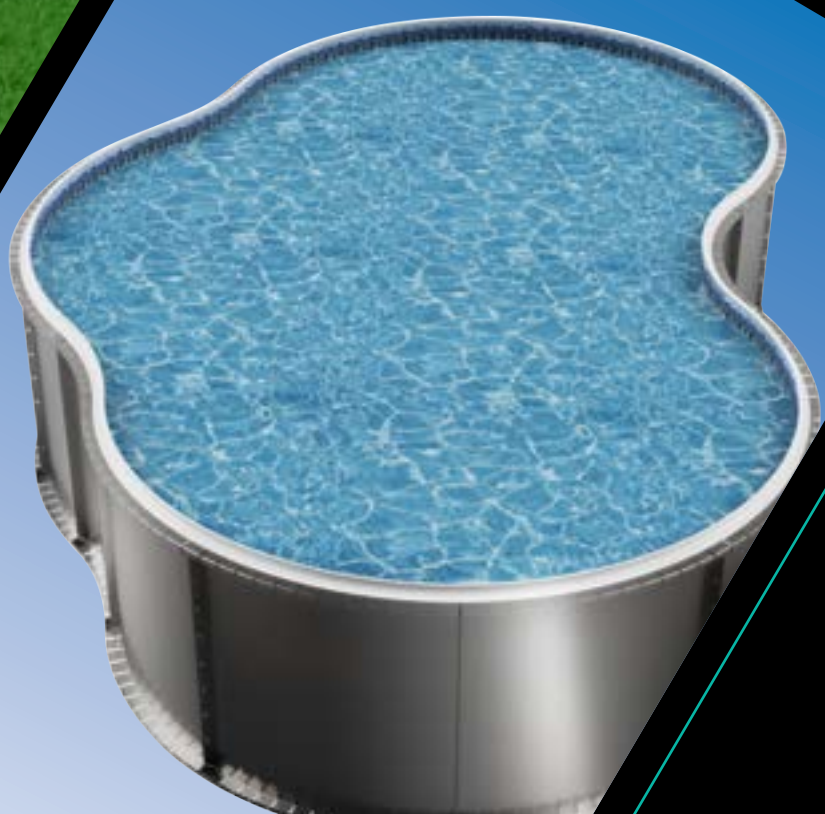




THE *ULTIMATE* POOL



INSTALLATION MANUAL





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INTRODUCTION

CONGRATULATIONS

Congratulations on your decision to purchase the truly unique and superior Ultimate Grecian, Oval, Oasis, Modified Rectangle, or Round pool! These 14-gauge ZAM steel pools are the strongest and most versatile pools on the market today.

As you read through this Manual, please note we stress the importance of **proper installation** to ensure a long lasting and safe investment to enjoy for years to come. This pool is designed to be installed by the 'do-it-yourself' Homeowner or a professional pool installer.

Rebar stakes are provided and **MUST** be installed in every hole at the base of the pool wall **or the manufacturer's warranty is void.**

All Ultimate Pools carry a 5 year warranty on the steel panel system. To protect your investment, please fill out and send back your warranty cards once the pool is constructed.

SAFETY

All Ultimate Pool kits are supplied with a safety packet including information about the swimming pool safety and a no-diving/no jumping sign to be placed on the top rail of the pool near the ladder entry/exit.

PLEASE NOTE: Ultimate Pools are NOT safe for diving or jumping of any kind. For your safety and the safety of your family and friends, please read the safety information thoroughly.



DANGER! NO JUMPING! NO DIVING! SHALLOW WATER.

The Ultimate Pool is NOT designed for diving. Misuse could lead to serious injury or death.
Children should be supervised at all times.



TOOLS AND MATERIALS

SITE PREP

- Transit or Similar Leveling Device
- Earth Moving Tools; Shovel, Rake, Wheelbarrow...
- String Line
- Hammer
- Spray Paint or Similar Ground Making Product
- (2) Tape Measures
- ½" socket

POOL ASSEMBLY

- (2) 9/16" Wrenches/Ratchet Sockets
- 2' or 4' Level
- Drill with 5/16 Nut Driver Head and #2 Phillips Bit
- #2 and #3 Phillips Screw Driver
- Duct Tape
- Drift Pins
- Hammer
- Sharp Razor Knife
- Shop Vacuum
- Rounded (*bottom*) Trowel
- Sand Bottom Mix (*see chart below*)
- (1) 36" Flat Board 1x3 (*to level bottom mix*)

POOL BOTTOM BASE

Recommended Material - 6/1 Clean wash sand and portland cement or verimiculite (pre-mix bags)

FOOTER MIX

Truck delivered not bag concrete. Concrete specs 2500 PSI with 4" slump.

SITE LOCATION & PREPARATION

LOCATION AND PREPARATION

Site location in the yard is a crucial part of building a swimming pool. It is vital to locate the pool within the current building code requirements for your local municipality. A building permit may be required for the installation of your swimming pool and it is important to follow all guidelines associated with the local municipality.

The location selected should be virgin or compacted ground free of overhead power lines and other dangerous obstructions. If the pool is placed at the bottom of a large slope, a surface water management system may need to be added when landscaping around the pool. The Grecian, Round, Oasis, Modified Rectangle, and Oval Ultimate Pools can be buried completely in the ground, set into a hill or slope, and the ground can be backfilled against the pool wall if needed. Once the location of your pool is determined begin the layout process by locating the center point of your pool. **Refer to the pool drawing in the back of this manual that coincides with your pool.**

For Grecian and Oval pools, create a center line for the pool. For Modified Rectangle and Oasis, run a string line through the length of the pool location you have chosen. Drive a stake into the ground several feet beyond each end of the pool dimension and tie your string line to them. Locate the center of your pool and drive a stake into the ground. This center pin will be used to pinpoint all the layout points for the pool and wall assembly.

DO NOT REMOVE THIS CENTER STRING UNTIL ALL THE WALL PLACEMENT PINS ARE LOCATED!

PREPARATION • GRECIAN, OVAL, OASIS, MODIFIED RECTANGLE

Mark the ground to represent the over-dig area of the pool. **This over-dig is located 24" outside the perimeter of the pool.** If a walk-in stair is installed, the over-dig for the stair is 4'6".

Refer to the pool drawing in the back of this manual that coincides with your pool.

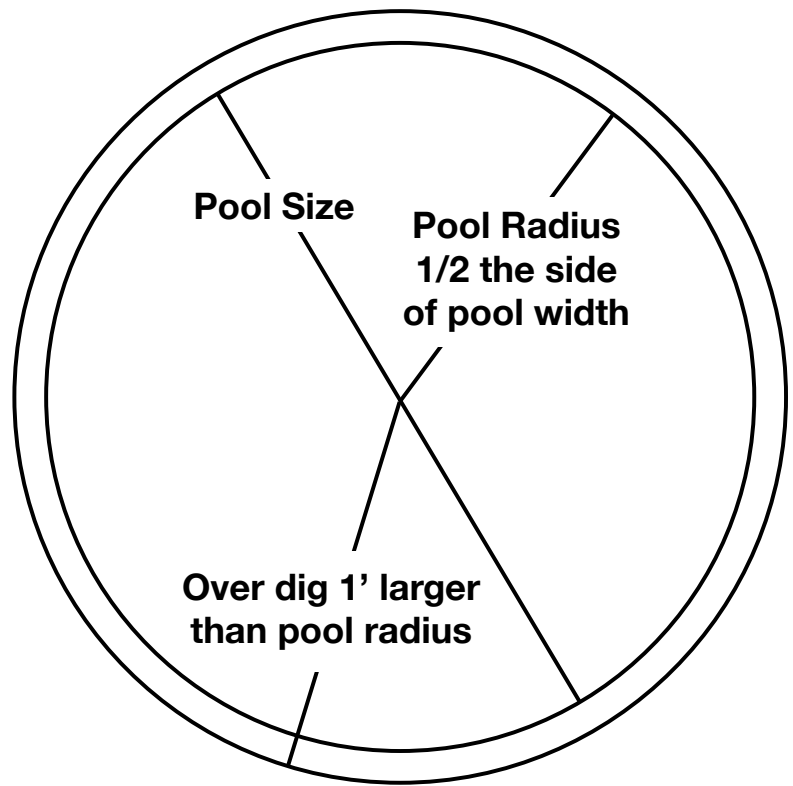
PREPARATION • ROUND

Refer to the pool drawing in the back of this manual that coincides with your pool.

The first thing you need to do is to create a center line for the pool. For round pools, please see figure #1.

Make a circle on the ground which represents the over-dig area of the pool. **This over-dig is located 12" outside the diameter of the pool.**

Figure #1



With the ground marked for the outline of the over-dig, begin removal of the topsoil. It is important that the pool is built on undisturbed earth not fill dirt. Fill dirt will settle over time causing your pool to sink and become unlevelled. Remove the dirt until the ground is level, and free of rocks and/or sharp objects. A transit or laser level is the best tool for this job. These items can be rented at any tool rental store or mass merchant rental department.

NOTE:

For Grecian, Oval, Oasis, and Modified Rectangle pools, begin removing the dirt to a minimum depth of 24" as seen in **Figure #1**.

POOL & WALL LAYOUT

Now that the dirt is removed and the ground is level it is time to begin laying out the pool and wall system.

There are several steps that need to be followed before placing the panels into position. Each panel must be marked on the inside face with a line 2" up from the bottom. This line will mark the finished level for the pool bottom under the liner.



GRECIAN, OVAL, OASIS, & MODIFIED RECTANGLE

From the center pin you can establish the four points that identify the end of the straight walls. Place a stake at each of these points. Check diagonal measurements to assure these pins are square with each other. Place a stake along the center string line to establish your points using the measurements noted on your drawing. Place a stake at each panel seam location as noted.

TIP:

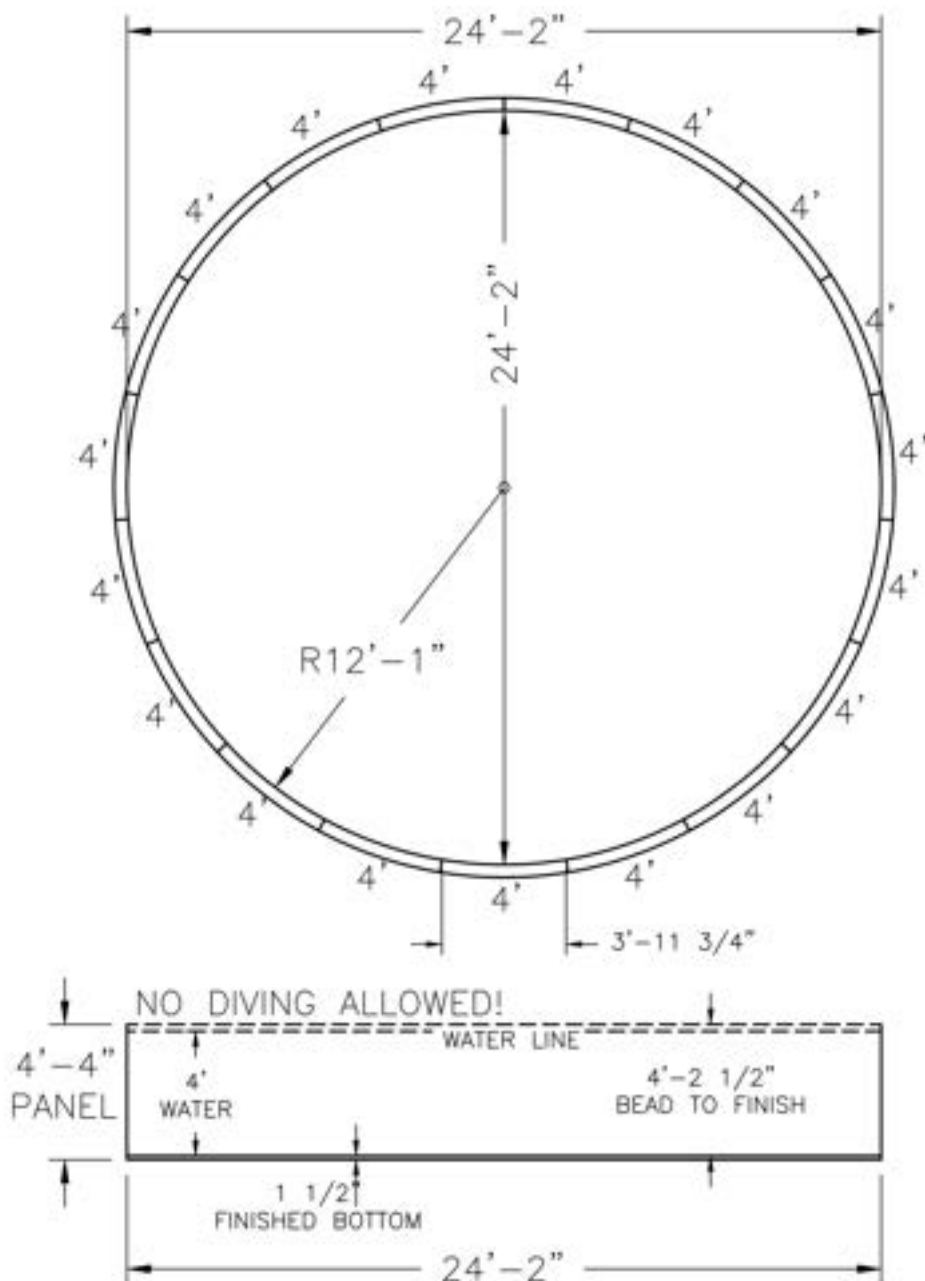
For ease of installation, countersink a patio block behind each panel seam stake and confirm proper elevation by using the laser level or transit.

ROUND

First you must locate the center of the pool and place a supplied layout stake in this location. Next you will find that one panel is different from all the rest, this is the skimmer panel.

With the skimmer panel position identified, begin setting your layout stakes at the end of each wall panel joint location as shown in figure #3. This pin placement will mark the inside location of each panel joint.

Figure #3



Center pin to panels

- $15' = 7'-8''$
- $18' = 8'-11''$
- $21' = 10'-10''$
- $24' = 12'-1''$

Distance between pins:

- $15' = 3'-11\frac{1}{2}''$
- $18' = 3'-11\frac{5}{8}''$
- $21' = 3'-11\frac{7}{8}''$
- $24' = 3'-11\frac{3}{4}''$

***TIP:***

Use 4x6 patio blocks at each joint to help level walls.

SETTING THE WALLS

WALL INSTALLATION

Begin moving your wall panels into place. **Make sure you place the skimmer panel in the proper location. Remember that the filtration equipment will be placed behind this wall section on round above ground installations.** That said, it will be visible and an electric service will be required to operate the pump. All the other panels are uniform and can be placed anywhere on the pool.

Semi-Inground or Inground installations, the filter equipment may be placed away from the pool. After all of the wall panels are placed around the site, it is time to begin the wall erection. Starting with the skimmer panel, align the front edge of the panel with the layout stakes in the location of your choice. The panels do have a top and bottom. Ensure the panels are oriented so that the series of four 3/16" holes in the panel flange are opposite the ground.

NOTE:

Note: If desired for aesthetics, use acetone and a rag to remove ink from the steel panels.

Secure the panels by using the 9/16" galvanized nuts and bolts that were supplied with this package. Begin bolting the panels together using only the top two and the bottom bolt on each seam, until you have closed the perimeter. Leave all bolts loose until wood is installed and pool is in final position.

NOTE:

Keep the panel connection on the outside of the layout stakes. We suggest that you hand tighten the panel bolts until the entire pool wall is erected.

After the wall is assembled double check the position of the wall matching the wall seam to the perimeter layout stakes.

The use of a drift pin (photo D), will help to align the bolt holes and keep the panels in position until the bolts are in place. An "A" frame buttress is also installed at every panel joint. All Grecian pools and Oval straight walls.

Do not use the two round holes at the base of the buttress support for plumbing runs. These holes are designed to allow the concrete bond beam to flow through for added support (photo E).



Photo D



Photo E

OPTIONAL WALK-IN STAIR

STAIR OPTIONS

There is an option to install an 8 foot 5-tread thermoplastic walk-in for all Ultimate Pools. **Special filler panel supplied.**

When using the bendable aluminum coping, you should **bring the elevation up to or near the top of the bullnose stair as shown in photo C**. As you can see in photo A, there will be a void below the stair shell that must be framed out to hold back the concrete bond beam that will be poured behind and under the stair shell. After the finished elevation is established, drill through the stair flange at each bolt hole location using a ½” drill bit and bolt together.



Photo B



Photo C

STAIR INSTALLATION

Two stair buttresses and two flange panels are included with each Ultimate stair. The stair buttress should be attached on the outside of the stair flange and the flange panel on the inside of the stair flange. When standing on the outside of the pool looking at the back of the stair the order of components will be panel, stair buttress, plastic stair flange, and finally flange panel. This will create a sandwich of steel and metal, strengthening the plastic flange. The location to install the flange panel is shown in *Photo D*

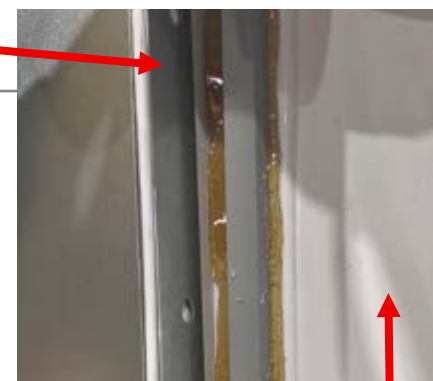


Photo D Plastic Stair

STAIR LOCATION

Photo A



filler Panel

First locate the stair placement at the site. ***Insert the filler panel as shown in photo A***. The filler panel will bolt to each panel on either side of the plastic stair. The notch in the side flange of the filler panel should face upwards when bolted to each panel. Align the appropriate panels to either side of the stair and clamp them to the stair flange. When using the synthetic wood top rail, the coping must be flush with the top of the stair as shown in *photo B*.

TOP RAILS

INSTALLING THE TOP RAILS

There are two top rails/coping options for the Ultimate Grecian Pool. There is the (F) **brown “synthetic wood”** with the plastic side mount bead receiver, and the (G) **white pre-bent aluminum coping**. Each option will be covered in the following pages.

Photo F



SEPARATE PLASTIC
COPING

SYNTHETIC WOOD

Photo H-1



This coping is a brown synthetic wood with inserts installed on the underside. Position the wood on the pool panel so that the inserts align with the pre-punched half-inch holes on the top flange of the panel. Install a 5/16 “ flanged bolt from under the panel into the insert as shown in *photo H-1*. Hand-tighten the bolts.

The next step is to position the board so that the gap on each side of the board is equal in relation to the panel joint. After this, start at one end of the board and position the board so that 1” overhangs the inside edge of the panel (*1” of the board should be overhanging into the pool*).

Once it is positioned, install 2 small stainless screws from the underside into the board using two of the pre-punched holes in the panel. Use one hole close to the inside of the pool and another further away from the pool, as shown in *Photo H-2*. Repeat for the other side of the board. Only two screws are needed on each side. The other set of holes are added for any future repositioning of the board. After the stainless screws are all inserted, use a ½” socket to tighten down the two 5/16” bolts that were previously hand-tightened into the inserts of the board.

Photo H-2



In your pool kit you will find sections of “dual track” plastic coping. To install the coping, you will need your power drill and a 5/16 hex head socket bit. Each section of coping should be positioned tight against underside of the top seat and attached to the pool wall using the self-drilling self-tapping hex head screws. These screws should pass through both the coping and the top seat bracket.

It is very important to make sure the top seat is pressed against the top of the panel and both the coping and top seat are centered on the panel and before mounting. These self-tapping screws should be installed a maximum of 6" apart to insure the coping is secure to the panel and the liner will not "pull down" the coping. These screw heads will be hidden after the liner is installed. Make sure not to over-tighten screws or heads could break off causing the track to come loose. Use two layers of duct tape to cover the screw heads.

Locate the top cap joint covers and position them over each miter joint. Each cap hooks in the front first and secured to the top seat with color coated nails as **shown in photo I**.

As you tighten the bolts make sure the panels are flush on the inside and the top seat joints are together. This will ensure a smooth liner installation at the joints and a flush top seat fit. Use a level to make sure that the pool walls are both plumb and level.

DO NOT REMOVE THE INSIDE PERIMETER

PINS. They will be needed to attach string lines for the pool bottom. If any sections of the pool wall are going to be buried completely into the ground, we highly recommend a concrete bond-beam be places behind all of these panels.



Photo I



After the wall is assembled, double check the position of the wall matching the wall seam to the perimeter layout stakes

INSTALLING REBAR • GRECIAN, ROUND, OVAL, OASIS, & MODIFIED RECTANGLE

Finish the wall positioning by driving the 18" rebar stakes into the ground through all of the holes at the base of each panel. Make sure rebar is installed to correct depth.

No more than 3" should be exposed when finished.

Finish by driving the 18" rebar into the ground through the holes at the bottom flange on the back of panel.

NOTE:

These rebar stakes must be installed in every hole at the base of the pool wall or the manufacturer's warranty is void.

COPING

WHITE PRE-BENT ALUMINUM

Photo G



The pre-bent aluminum coping is primarily used when pouring a concrete deck. This coping comes in 10ft sections and provide Grecian corners that are pre drilled for mounting to the top of the pool panel.

After the coping is mounted, place a support bracket on the back side in the middle of each panel and behind each coping joint. Lock the bracket into the back of the coping and fasten it to the top of the panel using one of the self-drilling screws.

Finish the installation by snapping a coping clip over each butt joint.

SKIMMER & RETURN FITTINGS

MOUNTING

Every Ultimate Pool is supplied with a pre-punched wall panel to mount the skimmer and return plumbing fittings. To mount the skimmer, simply insert the face of the skimmer through the rectangle opening in the wall and secure it using the two set screws supplied with the skimmer. If you have any questions, please refer to the manufacture's installation instruction in the skimmer package.

To install the return fitting, you need to un-thread the retaining nut from the fitting. Insert the threads through the pre-punched hole from the inside of the pool and tighten the retaining nut to the back of the fitting. **Be careful not over tighten this nut.**



Finishing up walls - Make sure to run duct tape down every panel seam to help with liner fitment.

NOTE:

Grecian, Oval, Oasis, and Modified Rectangle Ultimate Pools **MUST BE BURIED** at least 24" below grade and have a concrete collar poured around it.

GRECIAN, OVAL, OASIS, & MODIFIED RECTANGLE COLLAR RING

If you have purchased a ROUND ULTIMATE POOL, you may skip this section.

POURING CONCRETE COLLAR RING

It is necessary to pour a concrete collar ring at the base of the straight walls. This mix should be on the dry side so it can be piled on a mound. When placing the concrete behind the wall, **it needs to be piled 8" in height of the concrete to cover the last two bolts** at the base of the panels and continue beyond the support angles as shown.



NOTE:

The concrete bond beam needs to be a minimum of 2500 PSI truck mix. **DO NOT USE A BAG MIX.**



FINISHING THE INSIDE

INSTALLING THE BOTTOM

The first thing you need to do is to remove any loose rocks from inside the pool and level the ground as flat as possible. Make sure the pool walls are clean then run a piece of duct tape down the face of each panel joint to cover the entire seam.

Remember that pencil line we drew on the bottom of the panels? Now you need to tie a string line to the perimeter pins inside the pool at the level of the pencil mark or 2" up from the bottom of the panel. Then run a series of string lines across the pool to another pin. Continue doing this so you have several pie sections of string lines. The lines need to be taught so they will hold the level height of the finished bottom. The goal is to have at least 2" of space between the string line and the virgin ground. Begin to transfer the bottom material into the pool.

The bottom mix should be damp but not wet. There are several materials that can be used to make up the pool bottom. Mason sand is the easiest, but you can also mix a 6 to 1 sand to Portland cement mixture to create a harder bottom that will not shift with foot traffic during the swim season. If you choose to go with a hard bottom mixture and the sand is damp, **DON'T ADD WATER;** just mix them together for a "sand castle" consistency. See your pool dealer for additional pool base options.

Spread the bottom material around the floor of the pool and compact it to cover the string lines as you go. Use the edge of a flat board (about 36" long) to scrape the excess bottom material to expose the string lines. Run a trowel across the surface to smooth it out. A rounded bottom trowel works best. Remember to pull your pins and fill in their divots as you progress.



NOTE:

Please supply liner manual with Ultimate drawing layouts due to varying dimensions.

INSTALLING THE LINER – BEST PRACTICES

Remove the liner from the box and if possible, unroll it (end to end) in a clean, safe area near the pool. This will allow the vinyl to relax and the sun to soften the material as well. **DO NOT UNFOLD THE LINER AT THIS TIME.** A warm flexible liner will be easier to install than a cold stiff one. Also be sure to save the safety/warranty packet for later.



Before installing the liner, double check the pool walls and the pool bottom for any dirt or sharp objects that could damage the vinyl material. Lastly, make sure the skimmer and return gaskets are in place.

If possible, find the seam in the side wall of the liner and position the liner so it will align over the skimmer opening inside the pool. We do this in case the liner pattern at the seam does not match well. This tile section will be cut out after installing the skimmer faceplate. With several people in place, pick up the unrolled liner and rest it on the top seat of the pool. The liner is folded so that it can be pulled across the pool area as it unfolds. Try not to drag the liner across the pool bottom any more that you have to.



The top of the liner has a vinyl bead welded to it. Install the liner by inserting the liner bead into the bottom track of the white aluminum coping. All wrinkles must be removed before filling with water.

If you have a soft “push broom” you can tap the bristle end against the base of the liner wall to help move the bottom material and remove any wrinkles. Another trick is to insert

a shop-vac hose through the top of the skimmer and down the pool wall through the rectangle opening behind the liner. Keep the vacuum hose at least 15” up from the floor. Turn on the vacuum and suck the liner back against the wall. If your suction is poor, you may need to tape the skimmer lid closed where the vacuum hose was inserted.

If you are satisfied with the fit of the liner, start filling it with water. After you have between 6” and 8” of water in the pool, you can remove the vacuum hose and prepare cutting in the skimmer and return fittings.

NOTE:

Check with your liner manufacturer company for their instructions!

CUTTING IN SKIMMER & RETURN OPENINGS

Now that the water level in the pool is at least 6" deep, the side wall vinyl should be stretched tight enough to install the skimmer and return face plates. You will need a #3 Phillips head screwdriver and a good razor edge to install these plates.

NOTE:

Do not use a power screwdriver to install these screws. Over tightening can cause the holes to strip or the face plate to crack. If you have any questions, please refer to the installation instructions supplied with each fitting.

Find the twelve flat head skimmer screws that came with the skimmer along with the rectangle face plate and gasket. To start the mounting of the skimmer face plate, you must first find the four corner holes. Push your finger against the liner to find the round depression of the screw sockets for each corner screw. Push the tip of the #3 Phillips screw driver against the depression and turn the screwdriver to mark the vinyl. Insert one of the top corner screws through the face plate and gasket and drive it through the vinyl liner into the skimmer. Make sure the gasket is attached to face plate before mounting. Continue installing the other corner screws and fill in the blanks to complete. **DO NOT OVER TIGHTEN.**



To start the mounting of the skimmer face plate, you must first find the four corner holes. Push your finger against the liner to find the round depression of the screw sockets for each corner screw. Push the tip of the #3 Phillips screw driver against the depression and turn the screwdriver to mark the vinyl. Insert one of the top corner screws through the face plate and gasket and drive it through the vinyl liner into the skimmer. Make sure the gasket is attached to face plate before mounting. Continue installing the other corner screws and fill in the blanks to complete.

After the plate is mounted insert the razor edge through the vinyl at the inside edge of the face plate. Slowly run the blade around the inside perimeter and remove the section of material. You may want to keep this section of liner for future patch material.

The return fitting face plate is installed in a similar manner as the skimmer. First find the round face plate and the pack of four faceplate screws supplied with the fitting.



NOTE:

There is no gasket installed between the liner and the return face plate. Press your finger against the liner to locate and mark the (4) holes. Screw down the faceplate with the #3 Phillips screw driver and cut out the center section of vinyl with the razor edge.

To finish, snap on the face plate escutcheon to hide the screw heads. The return fitting has a directional eye that threads into the fitting. The directional eye should be positioned in an upward position away from the skimmer. The purpose of this fitting is to move the surface water around the pool and back to the skimmer. This fitting should not be tightened completely, only positioned for easy adjustment.



FILTRATION

INSTALLING THE FILTRATION EQUIPMENT

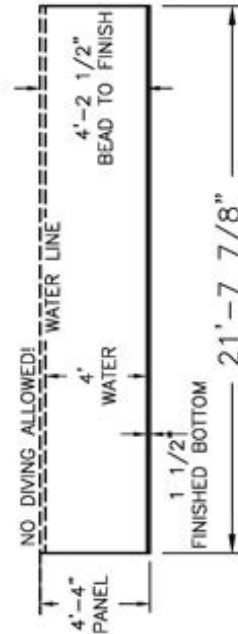
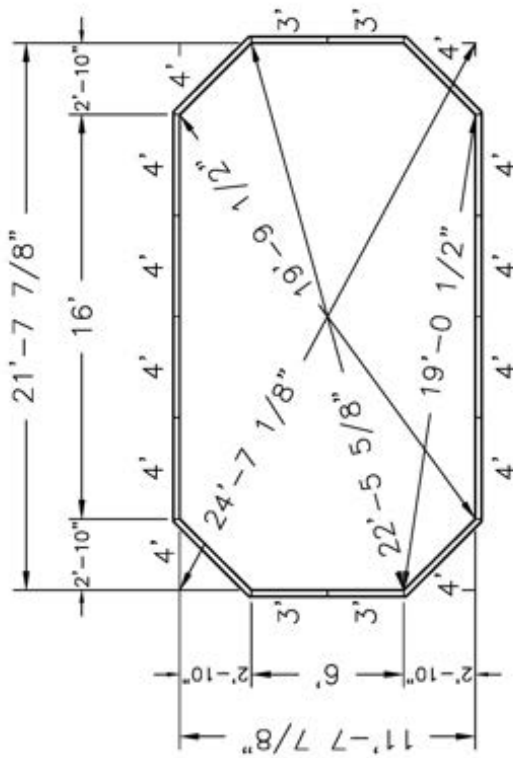


There are many types of equipment designed to filter the swimming pool water. Please check with your local pool dealer for the proper sizing and filter media to meet your needs. The Ultimate Pool comes with a 1 ½" PVC threaded orifices on the skimmer and pool water return. When installing the plumbing lines, make sure that the skimmer is connected to the front (suction) of the pump and the return fitting is connected to the discharge side of the filter. Shut off valves are recommended for service and maintenance on this equipment.

THE ULTIMATE
G R E C I A N
POOL DRAWINGS



Pool Size: 12' X 22'
Pool Shape: ULTIMATE GRECIAN
Pool Number: UPR1222
Gallons: 7,000
 250 Route 61 South, Schuylkill Haven, PA 17972 • 717-801-1345 • engineering@foxpool.com



NOTE: THIS IS A NON DIVING POOL.

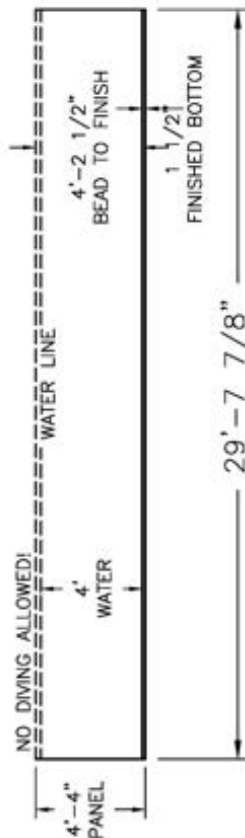
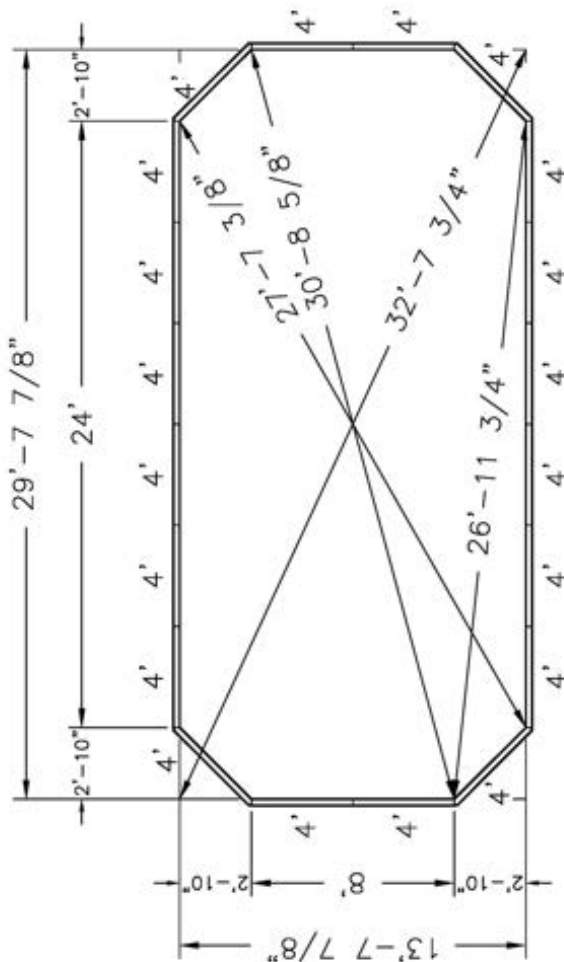
Date: 11/11/2025	Perimeter: 60'
Drawn By: S. WEIBLER	Area: 236 SQ. FT.
Scale: 3/16" = 1'-0"	Notes: ---



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- NOTES:
1. ALL PANELS ARE 14 GAUGE STEEL
 2. POOL WALLS SHOULD ALWAYS BE INSTALLED ON VIRGIN SOIL OR COMPACTED BASE MATERIAL
 3. BUTTRESSES ARE LOCATED AT EACH JOINT ALONG EACH STRAIGHT WALL.
 4. IF USING PCW ADD 2 5/16" TO DIG DEPTH. BEAD TO FINISH REMAINS THE SAME.
 5. INSTALLATION TO BE IN ACCORDANCE WITH FOX POOL RECOMMENDATIONS.

Pool Size: 14' X 30'
Pool Shape: ULTIMATE GRECIAN
Pool Number: UPR1430
Gallons: 11,600
 250 Route 61 South, Schuylkill Haven, PA 17972 • 717-801-1345 • engineering@foxpool.com

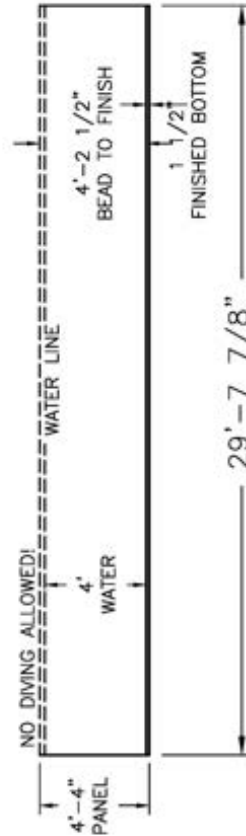
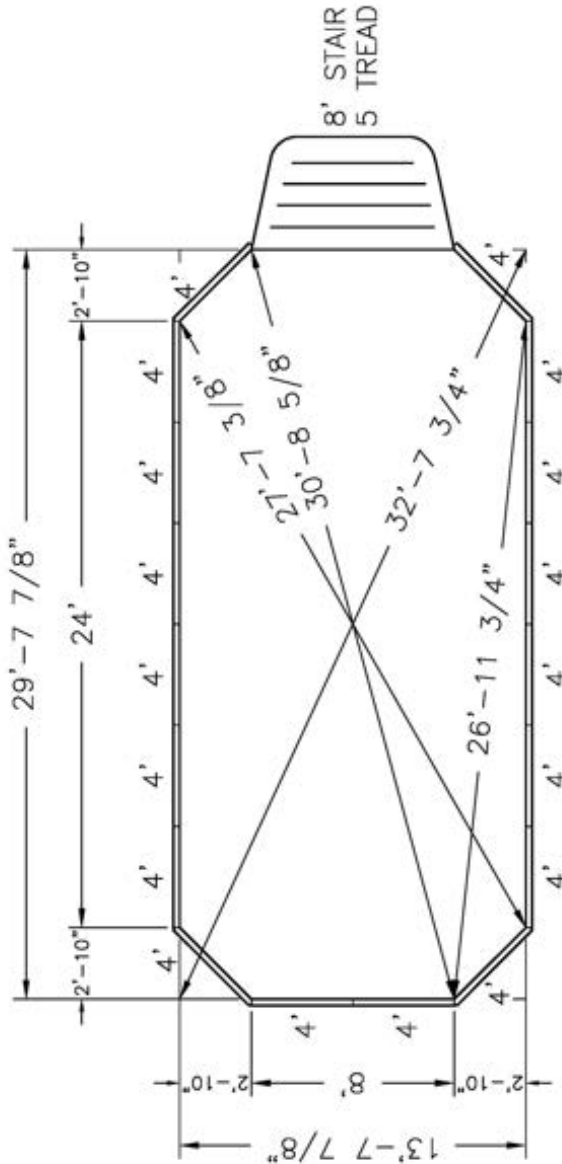


NOTE: THIS IS A NON DIVING POOL.

- NOTES:
1. ALL PANELS ARE 14 GAUGE STEEL
 2. POOL WALLS SHOULD ALWAYS BE INSTALLED ON VIRGIN SOIL OR COMPACTED BASE MATERIAL
 3. BUTRESSES ARE LOCATED AT EACH JOINT ALONG EACH STRAIGHT WALL.
 4. IF USING PCW ADD 2 5/16" TO DIG DEPTH. BEAD TO FINISH REMAINS THE SAME.
 5. INSTALLATION TO BE IN ACCORDANCE WITH FOX POOL RECOMMENDATIONS.

	Perimeter: 80'
	Area: 390 SQ. FT.
Scale: 3/16" = 1'-0"	Notes: ---
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Pool Size: 14' X 30'
 Pool Shape: ULTIMATE GRECIAN
 Pool Number: UPR1430S
 Gallons: 11,600
 250 Route 61 South, Schuylkill Haven, PA 17972 • 717-801-1345 • engineering@foxpool.com



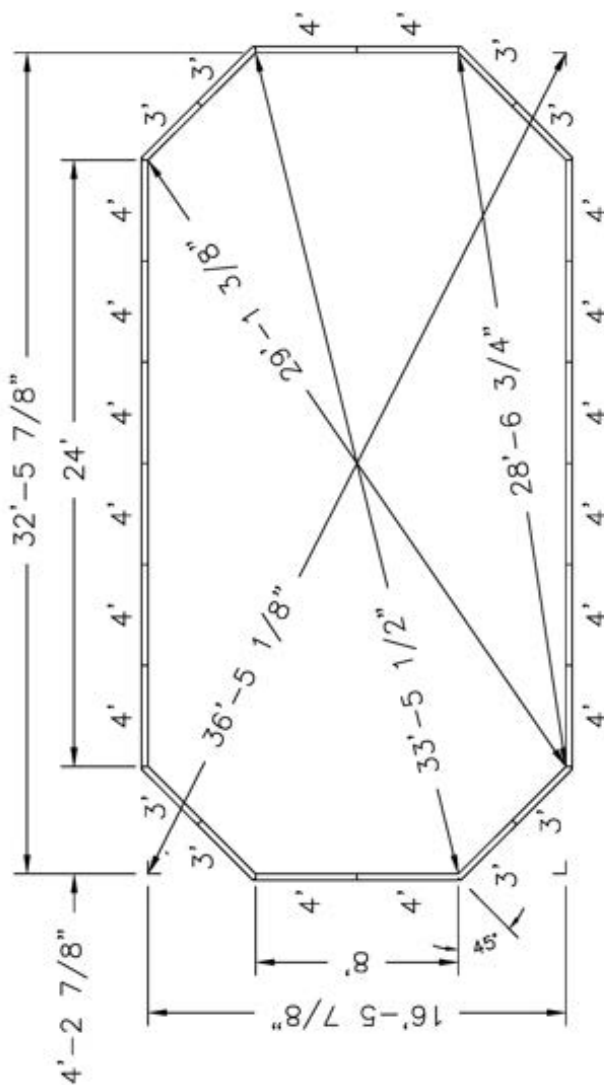
NOTE: THIS IS A NON DIVING POOL.

- NOTES:
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 2. POOL WALLS SHOULD ALWAYS BE INSTALLED ON VIRGIN SOIL OR COMPACTED
 3. BASE MATERIAL
 4. BUTTRESSES ARE LOCATED AT EACH JOINT ALONG EACH STRAIGHT WALL.
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	Perimeter: 80'
	Area: 390 SQ. FT.
CardinalSystemsInc.com	Notes: ---
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Pool Size: 16' X 32'
Pool Shape: ULTIMATE C
Pool Number: UPR1632

250 Route 61 South, Schuylkill Haven, PA 17972 • 717-801-1345 • engineering@foxpool.com



NOTE: THIS IS A NON DIVING POOL.

Date: 11/11/2025

Drawn By: S. WEIBLER

Scale: 3/16" = 1'-0"

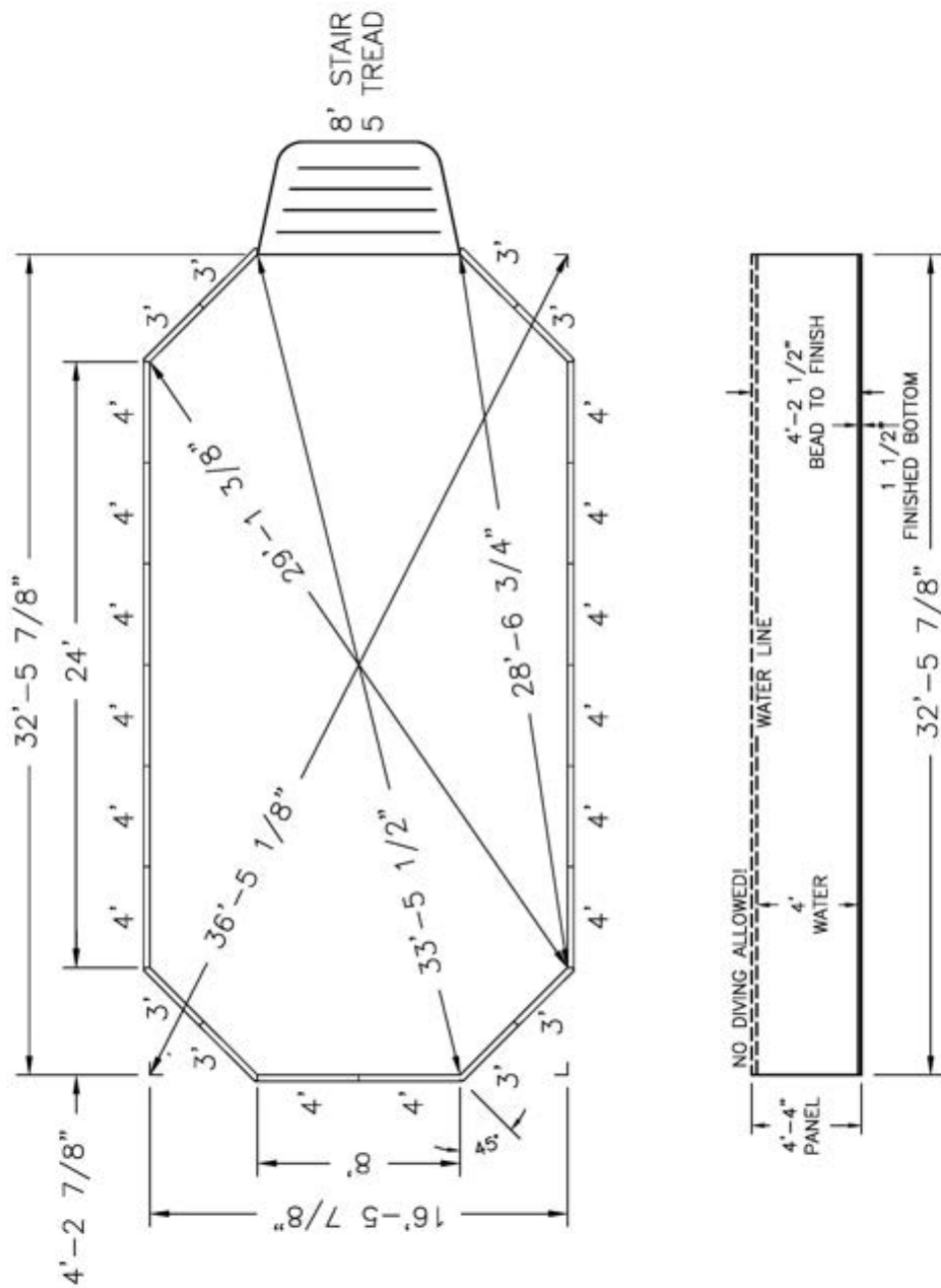
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NOTES:

- NOTES:
1. ALL PANELS ARE 14 GAUGE STEEL
 2. POOL WALLS SHOULD ALWAYS BE INSTALLED ON VIRGIN SOIL OR COMPACTED BASE MATERIAL
 3. BUTTRESSES ARE LOCATED AT EACH JOINT ALONG EACH STRAIGHT WALL.
 4. IF USING PCW ADD 2 5/16" TO DIG DEPTH. BEAD TO FINISH REMAINS THE SAME.
 5. INSTALLATION TO BE IN ACCORDANCE WITH FOX POOL RECOMMENDATIONS.



Pool Size: 16' X 32'
Pool Shape: ULTIMATE GRECIAN
Pool Number: UPR1632S



NOTE: THIS IS A NON DIVING POOL.

Date: 11/11/2025

Drawn By: S. WEIBLER

Scale: $3/16'' = 1'-0''$

Perimeter: 88'

Area: 500 SQ. FT.

Notes: ---



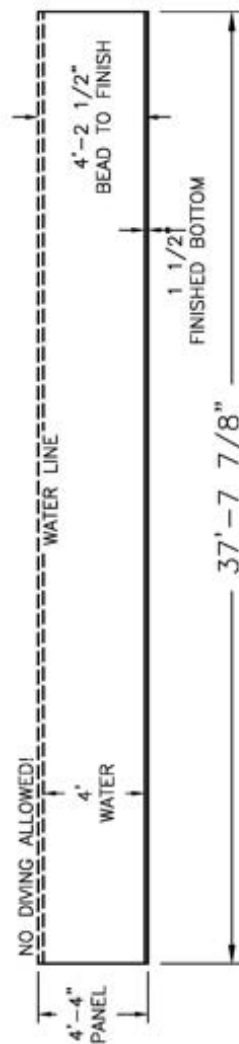
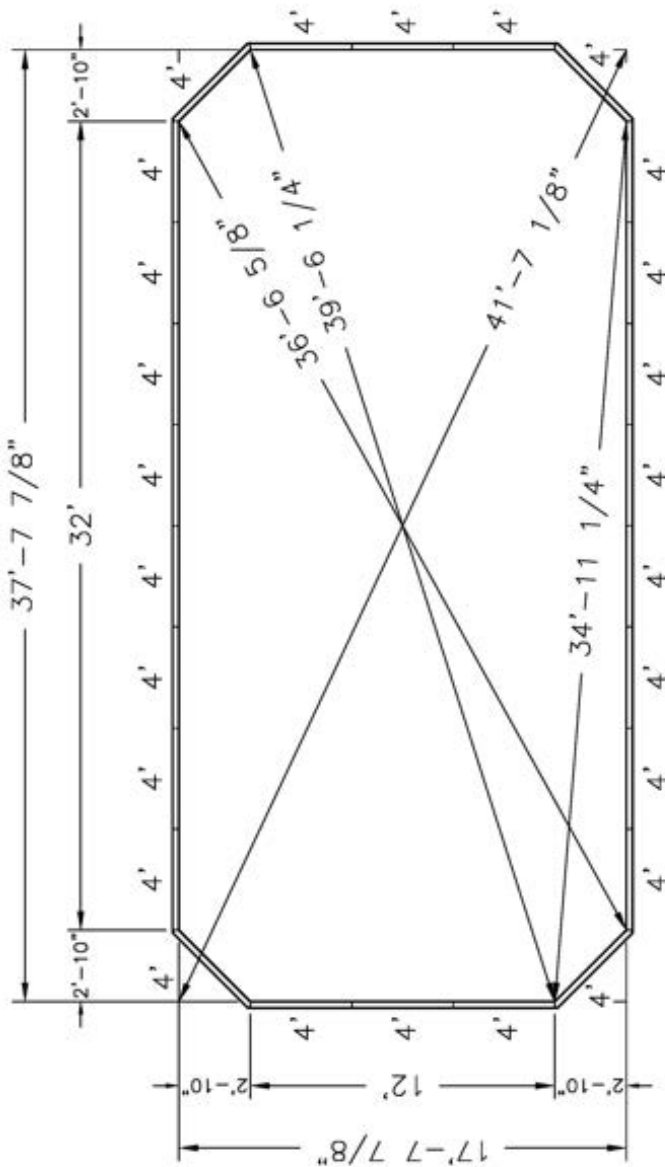
NOTES:

- NOTES:
1. ALL PANELS ARE 14 GAUGE STEEL
 2. POOL WALLS SHOULD ALWAYS BE INSTALLED ON VIRGIN SOIL OR COMPACTED BASE MATERIAL
 3. BUTTRESSES ARE LOCATED AT EACH JOINT ALONG EACH STRAIGHT WALL.
 4. IF USING PCW ADD 2 5/16" TO DIG DEPTH. BEAD TO FINISH REMAINS THE SAME.
 5. INSTALLATION TO BE IN ACCORDANCE WITH FOX POOL RECOMMENDATIONS.

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Pool Size: 18' X 38'
Pool Shape: ULTIMATE GRECIAN
Pool Number: UPR1838
Gallons: 19,300


250 Route 61 South, Schuylkill Haven, PA 17972 • 717-801-1345 • engineering@foxpool.com





NOTE: THIS IS A NON DIVING POOL.

Date: 11/11/2025	Perimeter: 100'
Drawn By: S. WEIBLER	Area: 649 SQ. FT.
Scale: 3/16" = 1'-0"	Notes: -- -- -- --

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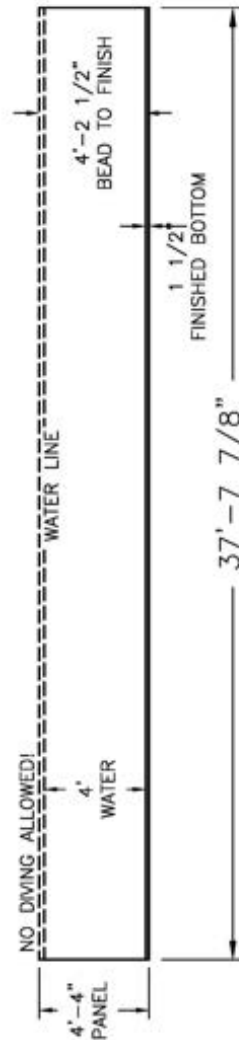
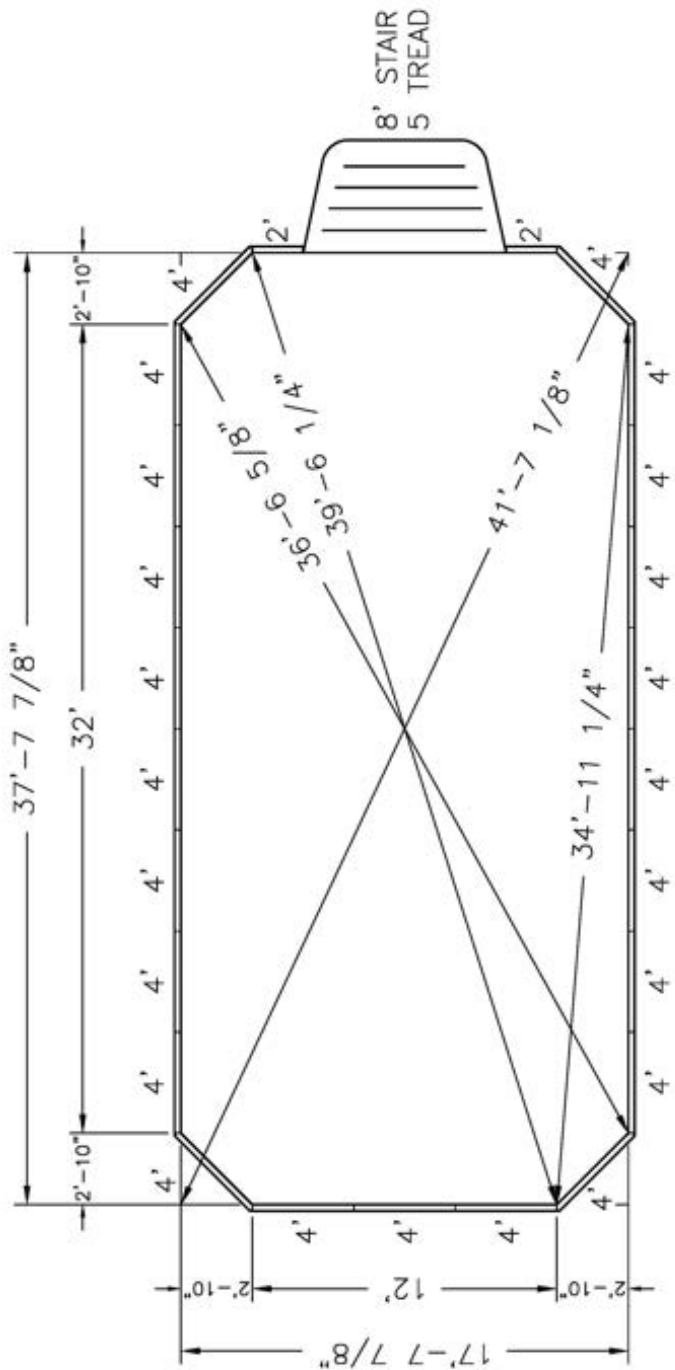


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- NOTES:
1. ALL PANELS ARE 14 GAUGE STEEL
 2. POOL WALLS SHOULD ALWAYS BE INSTALLED ON VIRGIN SOIL OR COMPACTED BASE MATERIAL
 3. BUTTRESSES ARE LOCATED AT EACH JOINT ALONG EACH STRAIGHT WALL.
 4. IF USING PCW ADD 2 5/16" TO DIG DEPTH. BEAD TO FINISH REMAINS THE SAME.
 5. INSTALLATION TO BE IN ACCORDANCE WITH FOX POOL RECOMMENDATIONS.

Pool Size: 18' X 38'
 Pool Shape: ULTIMATE GRECIAN
 Pool Number: UPR1838S
 Gallons: 19,300
 250 Route 61 South, Schuylkill Haven, PA 17972 • 717-801-1345 • engineering@foxpool.com



NOTE: THIS IS A NON DIVING POOL.

Date: 11/11/2025	Perimeter: 100'
Drawn By: S. WEIBLER	Area: 649 SQ. FT.
Scale: 3/16" = 1'-0"	Notes: ---



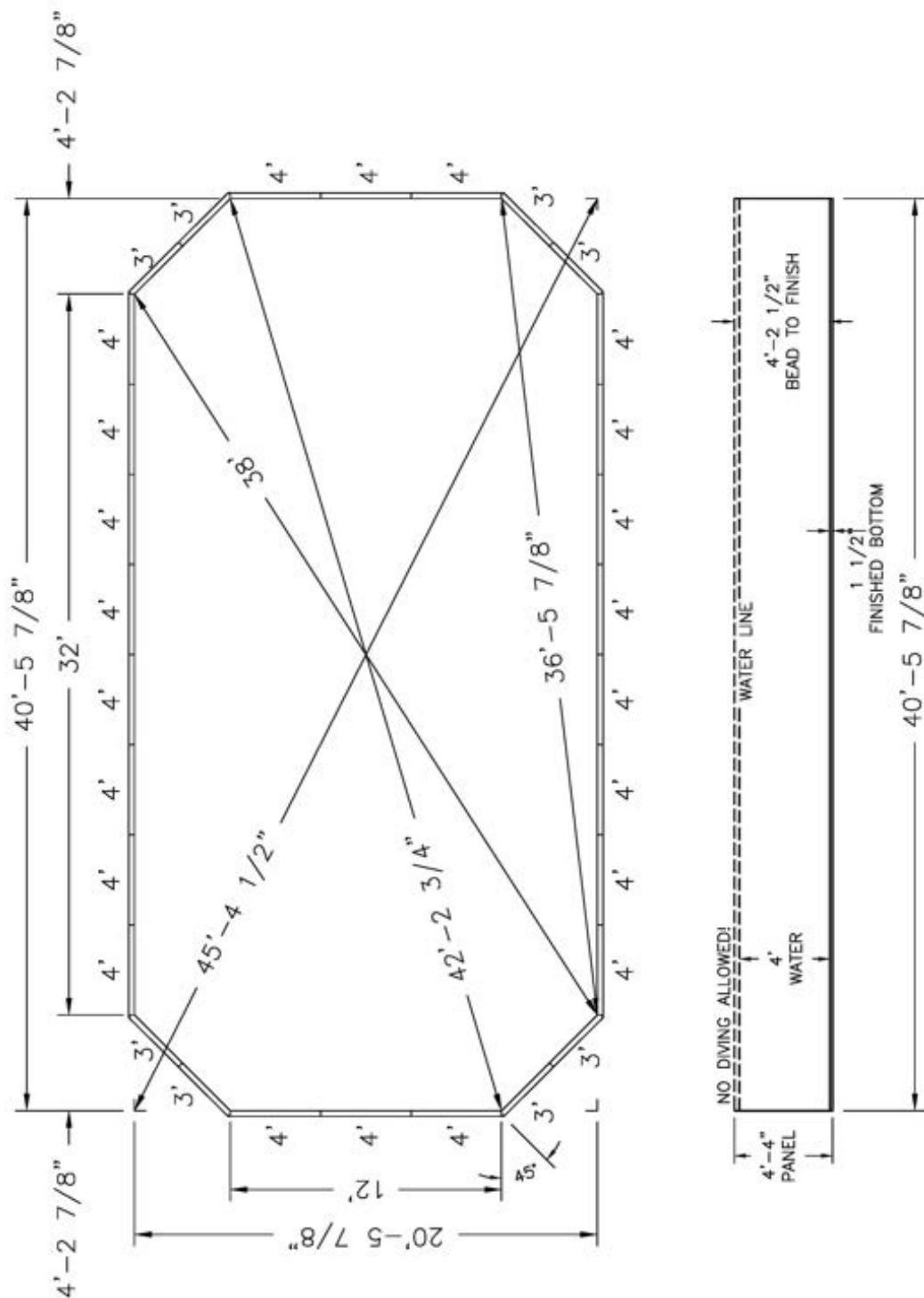
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NOTES:

1. ALL PANELS ARE 14 GAUGE STEEL
2. POOL WALLS SHOULD ALWAYS BE INSTALLED ON VIRGIN SOIL OR COMPACTED
3. BASE MATERIAL
4. BUTTRESSES ARE LOCATED AT EACH JOINT ALONG EACH STRAIGHT WALL.
5. IF USING PCW ADD 2 5/16" TO DIG DEPTH. BEAD TO FINISH REMAINS THE SAME.
6. INSTALLATION TO BE IN ACCORDANCE WITH FOX POOL RECOMMENDATIONS.

Pool Size: 20' X 40'
Pool Shape: ULTIMATE C
Pool Number: UPR2040

250 Route 61 South, Schuylkill Haven, PA 17972 • 717-801-1345 • engineering@foxpool.com



NOTE: THIS IS A NON DIVING POOL.

Date: 11/11/2025

Drawn By: S. WEIBLER

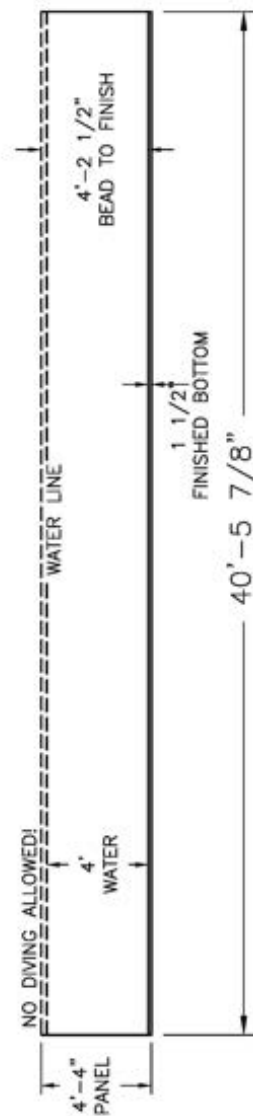
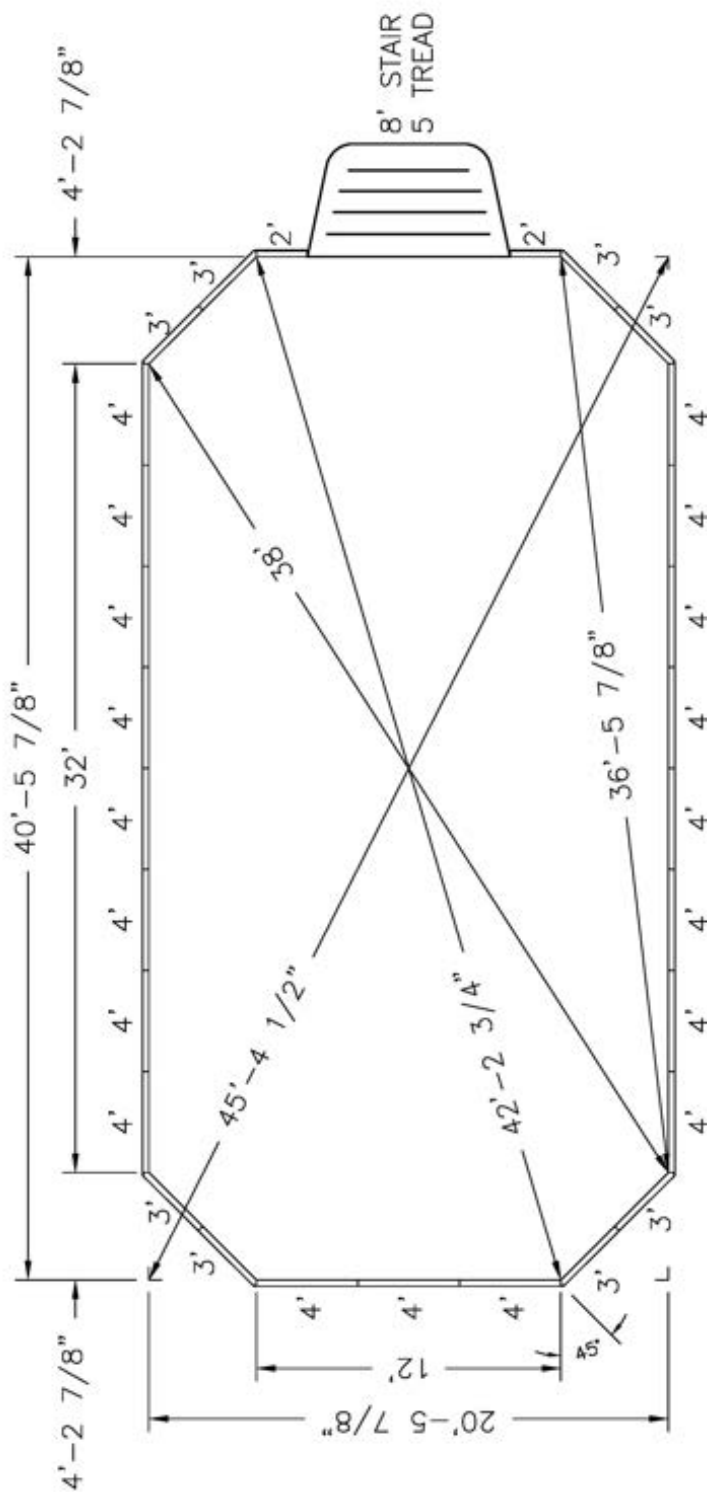
Scale: $3/16'' = 1'-0''$

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NOTES:

- NOTES:
1. ALL PANELS ARE 14 GAUGE STEEL
2. POOL WALLS SHOULD ALWAYS BE INSTALLED ON VIRGIN SOIL OR COMPACTED
BASE MATERIAL
3. BUTTRESSES ARE LOCATED AT EACH JOINT ALONG EACH STRAIGHT WALL.
4. IF USING PCW ADD 2 5/16" TO DIG DEPTH. BEAD TO FINISH REMAINS THE
SAME.
5. INSTALLATION TO BE IN ACCORDANCE WITH FOX POOL RECOMMENDATIONS.

Pool Size: 20' X 40'
Pool Shape: ULTIMATE GRECIAN
Pool Number: UPR2040S



NOTE: THIS IS A NON DIVING POOL.

Date: 11/11/2025

Drawn By: S. WEIBLER

Scale: $3/16'' = 1'-0''$

Perimeter: 112'

Area: 793 SQ. FT.

Notes: ---



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NOTES:

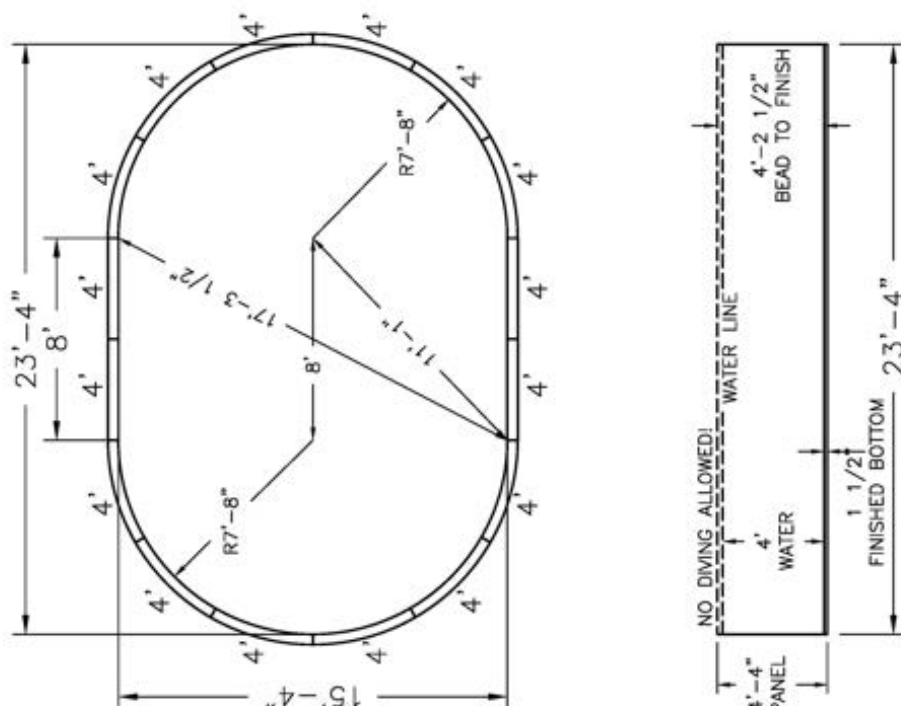
- NOTES:
1. ALL PANELS ARE 14 GAUGE STEEL
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 3. BUTTRESSES ARE LOCATED AT EACH JOINT ALONG EACH STRAIGHT WALL.
 4. IF USING PCW ADD 2 5/16" TO DIG DEPTH. BEAD TO FINISH REMAINS THE SAME.
 5. INSTALLATION TO BE IN ACCORDANCE WITH FOX POOL RECOMMENDATIONS.

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THE ULTIMATE
OVAL
POOL DRAWINGS



Pool Size: 15' X 23'
Pool Shape: ULTIMATE TRUE OVAL
Pool Number: UPOV1523 **Gallons:** 9,100
 250 Route 61 South, Schuylkill Haven, PA 17872 • 717-801-1345 • engineering@foxpool.com



NOTE: THIS IS A NON DIVING POOL.

Date: 11/12/2025	Perimeter: 64'-2"
Drawn By: S. WEIBLER	Area: 307 SQ. FT.
Scale: 1/8" = 1'-0"	Notes: ~

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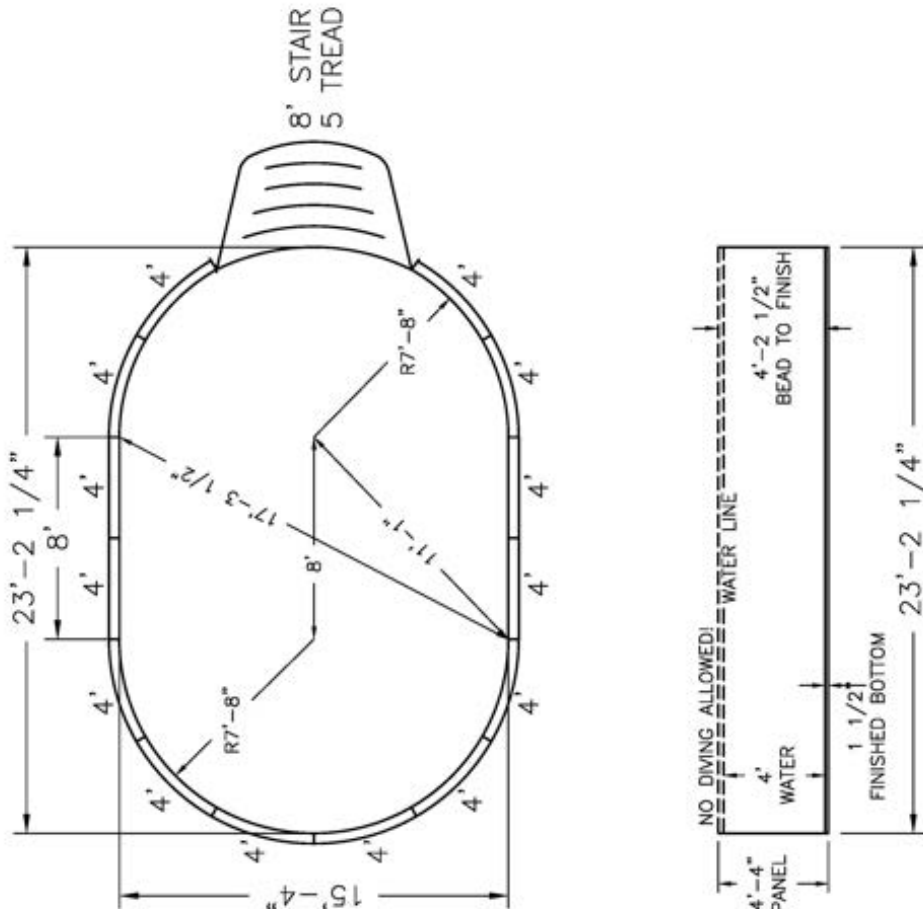
NOTES:

1. ALL PANELS ARE 14 GAUGE STEEL
2. POOL WALLS SHOULD ALWAYS BE INSTALLED ON VIRGIN SOIL OR COMPACTED
3. BASE MATERIAL
4. BUTTRESSES ARE LOCATED AT EACH JOINT ALONG EACH STRAIGHT WALL.
5. IF USING PCW ADD 2 5/16" TO DIG DEPTH. BEAD TO FINISH REMAINS THE SAME.
6. INSTALLATION TO BE IN ACCORDANCE WITH FOX POOL RECOMMENDATIONS.



Cardinal Systems, Inc.
 CardinalSystemsInc.com

Pool Size: 15' X 23'
Pool Shape: ULTIMATE TRUE OVAL
Pool Number: UPOV1523S **Gallons:** 9,100
 250 Route 61 South, Schuylkill Haven, PA 17872 • 717-801-1345 • engineering@foxpool.com



NOTE: THIS IS A NON DIVING POOL.

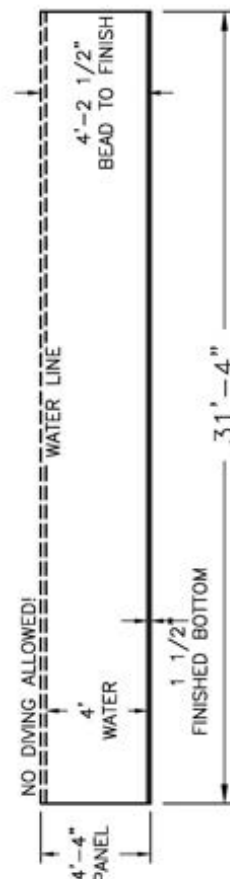
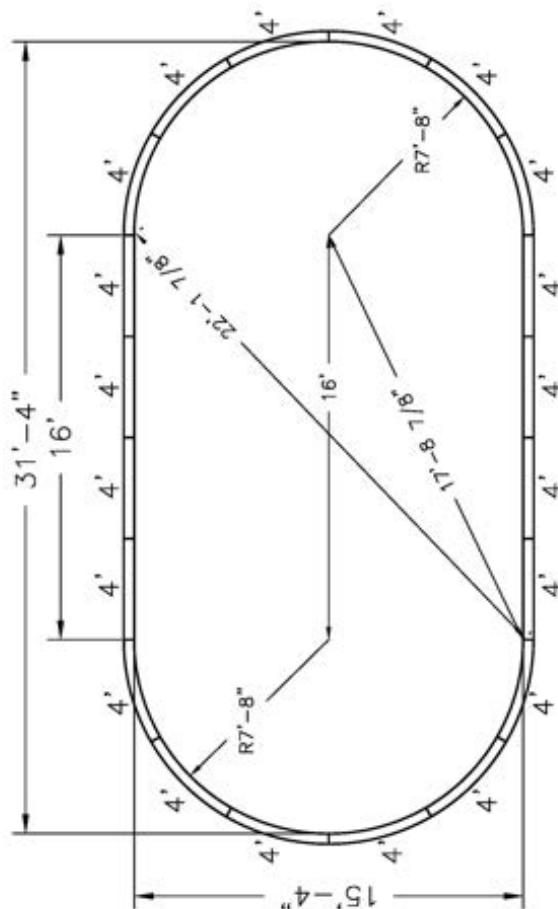
Date: 11/12/2025	Perimeter: 64'-0 7/8"
Drawn By: S. WEIBLER	Area: 307 SQ. FT.
Scale: 1/8" = 1'-0"	Notes: ~

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 3. BUTTRESSES ARE LOCATED AT EACH JOINT ALONG EACH STRAIGHT WALL.
 4. IF USING PCW ADD 2 5/16" TO DIG DEPTH. BEAD TO FINISH REMAINS THE SAME.
 5. INSTALLATION TO BE IN ACCORDANCE WITH FOX POOL RECOMMENDATIONS.

Pool Size: 15' X 31'
Pool Shape: ULTIMATE TRUE OVAL
Pool Number: UPOV1531 **Gallons:** 12,800
 250 Route 61 South, Schuylkill Haven, PA 17872 • 717-801-1345 • engineering@foxpool.com



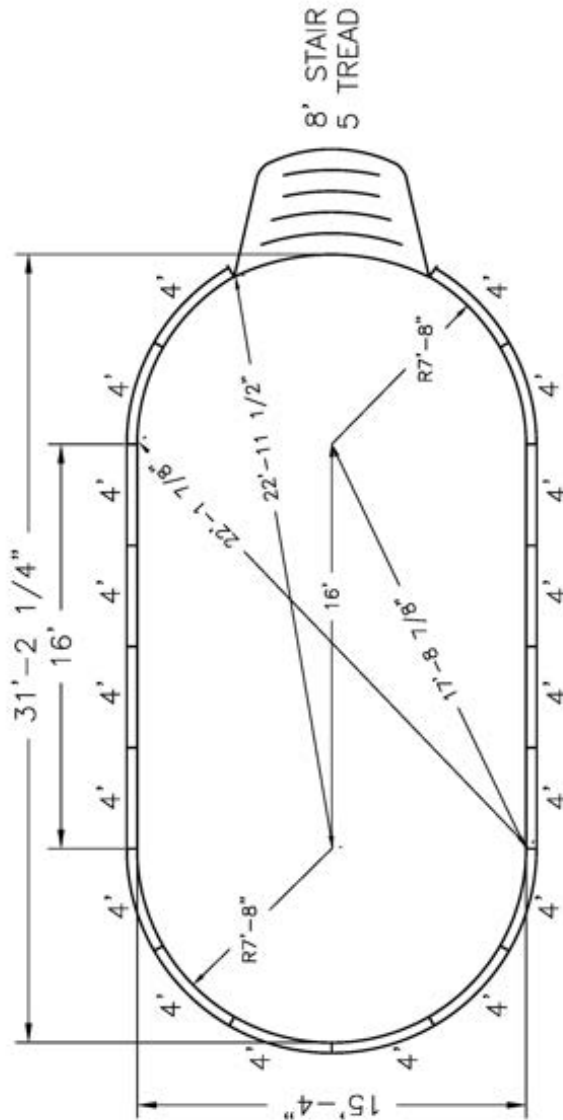
NOTE: THIS IS A NON DIVING POOL.

Date: 11/12/2025	Perimeter: 80'-2"
Drawn By: S. WEIBLER	Area: 430 SQ. FT.
Scale: 1/8" = 1'-0"	Notes: ~
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 <small>CardinalSystemsInc.com</small>	

NOTES:

1. ALL PANELS ARE 14 GAUGE STEEL
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3. BASE MATERIAL
4. BUTTRESSES ARE LOCATED AT EACH JOINT ALONG EACH STRAIGHT WALL.
5. IF USING PCW ADD 2 5/16" TO DIG DEPTH. BEAD TO FINISH REMAINS THE SAME.
6. INSTALLATION TO BE IN ACCORDANCE WITH FOX POOL RECOMMENDATIONS.

Pool Size: 15' X 31'
Pool Shape: ULTIMATE TRUE OVAL
Pool Number: UPOV1531S **Gallons:** 12,800
 250 Route 61 South, Schuylkill Haven, PA 17872 • 717-801-1345 • engineering@foxpool.com



NOTE: THIS IS A NON DIVING POOL.

Date: 11/12/2025

Drawn By: S. WEIBLER

Scale: 1/8" = 1'-0"

Perimeter: 80'-0 7/8"

Area: 430 SQ. FT.

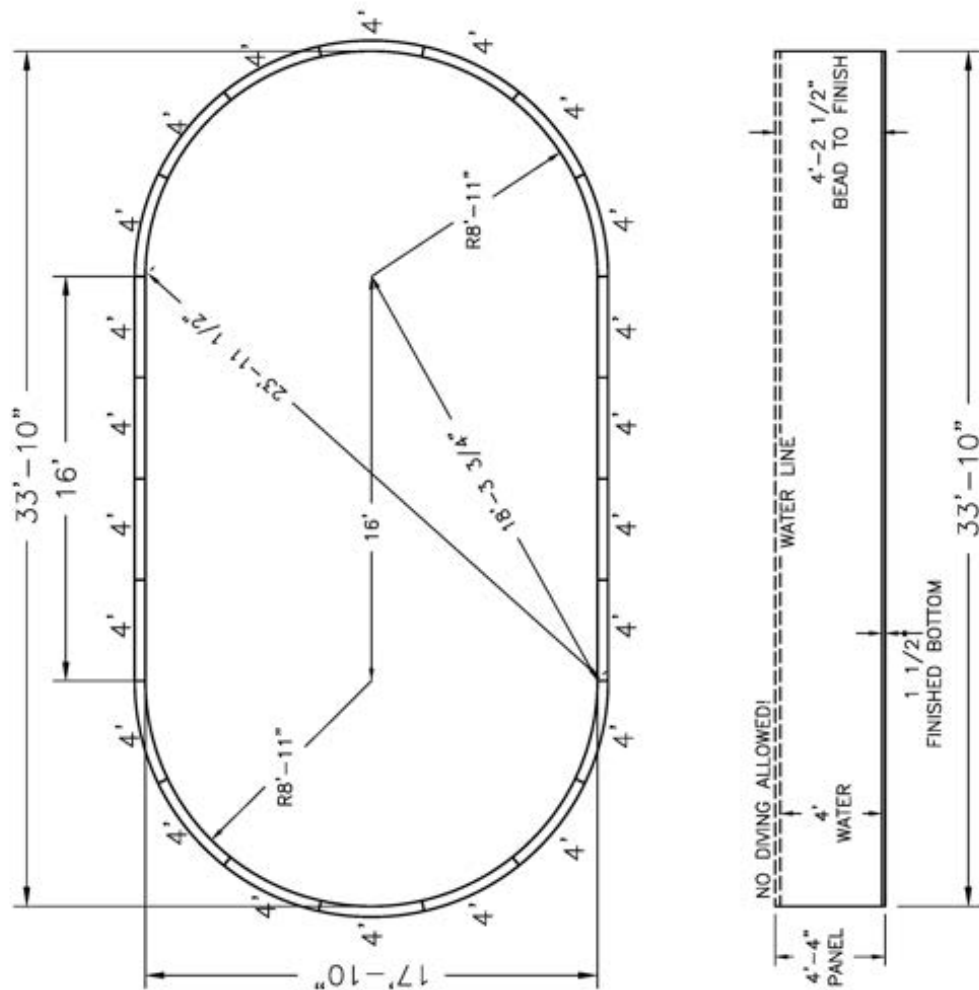
Notes: ~



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- NOTES:
1. ALL PANELS ARE 14 GAUGE STEEL
 2. POOL WALLS SHOULD ALWAYS BE INSTALLED ON VIRGIN SOIL OR COMPACTED BASE MATERIAL
 3. BUTRESSES ARE LOCATED AT EACH JOINT ALONG EACH STRAIGHT WALL.
 4. IF USING PCW ADD 2 5/16" TO DIG DEPTH. BEAD TO FINISH REMAINS THE SAME.
 5. INSTALLATION TO BE IN ACCORDANCE WITH FOX POOL RECOMMENDATIONS.

Pool Size: 18' X 34'
Pool Shape: ULTIMATE TRUE OVAL
Pool Number: UPOV1834 **Gallons:** 15,900
 250 Route 61 South, Schuylkill Haven, PA 17872 • 717-801-1345 • engineering@foxpool.com



NOTE: THIS IS A NON DIVING POOL.

Date: 11/12/2025

Drawn By: S. WEIBLER

Scale: 1/8" = 1'-0"

Perimeter: 88'-0 1/4"

Area: 535 SQ. FT.

Notes: ~

NOTES:

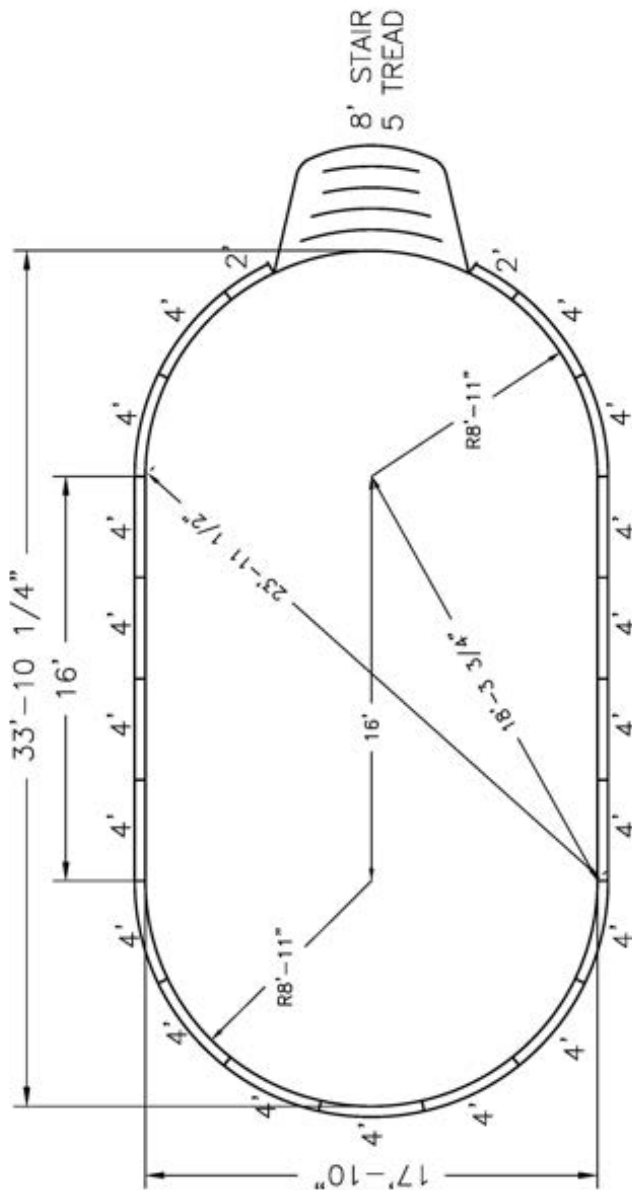
1. ALL PANELS ARE 14 GAUGE STEEL
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3. BASE MATERIAL
4. BUTTRESSES ARE LOCATED AT EACH JOINT ALONG EACH STRAIGHT WALL.
5. IF USING PCW ADD 2 5/16" TO DIG DEPTH. BEAD TO FINISH REMAINS THE SAME.
6. INSTALLATION TO BE IN ACCORDANCE WITH FOX POOL RECOMMENDATIONS.



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Pool Size: 18' X 34'
Pool Shape: ULTIMATE TRUE OVAL
Pool Number: UPOV1834S **Gallons:** 15,900
 250 Route 61 South, Schuylkill Haven, PA 17872 • 717-801-1345 • engineering@foxpool.com



NOTE: THIS IS A NON DIVING POOL.

Date: 11/12/2025

Drawn By: S. WEIBLER

Scale: 1/8" = 1'-0"

Perimeter: 88'-0 3/8"

Area: 535 SQ. FT.

Notes: ~



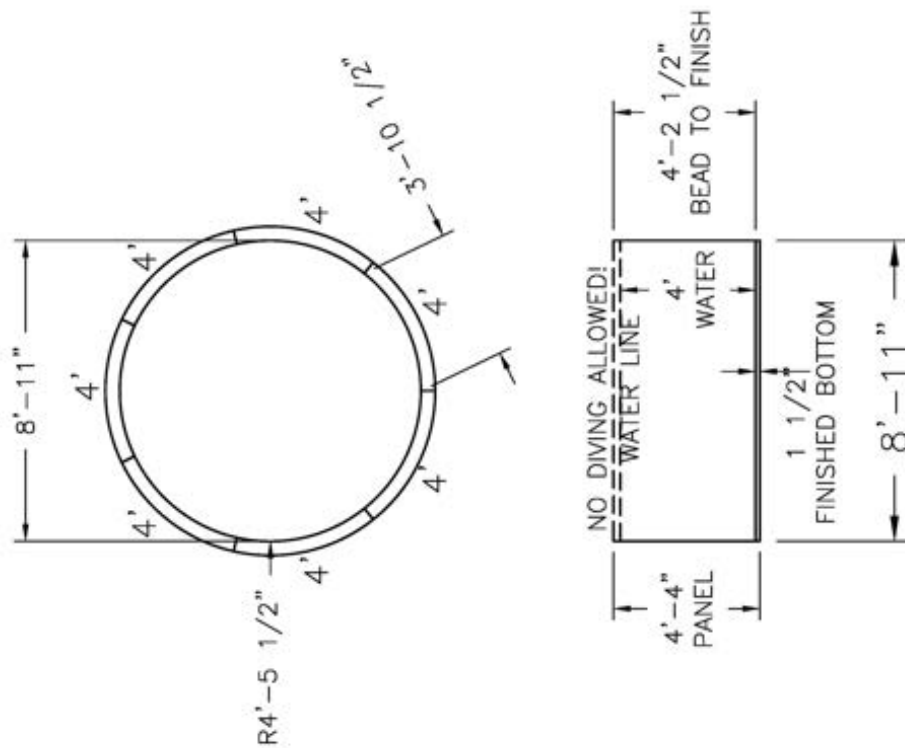
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- NOTES:
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 3. BUTTRESSES ARE LOCATED AT EACH JOINT ALONG EACH STRAIGHT WALL.
 4. IF USING PCW ADD 2 5/16" TO DIG DEPTH. BEAD TO FINISH REMAINS THE SAME.
 5. INSTALLATION TO BE IN ACCORDANCE WITH FOX POOL RECOMMENDATIONS.

THE ULTIMATE
R O U N D
POOL DRAWINGS



Pool Size: 8'-11"
Pool Shape: ULTIMATE DISPLAY
Pool Number: UPD800
Gallons: 1,800
 250 Route 61 South, Schuylkill Haven, PA 17872 • 717-801-1345 • engineering@foxpool.com



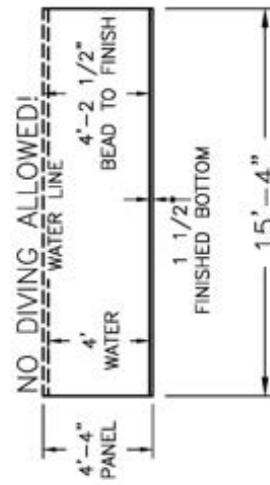
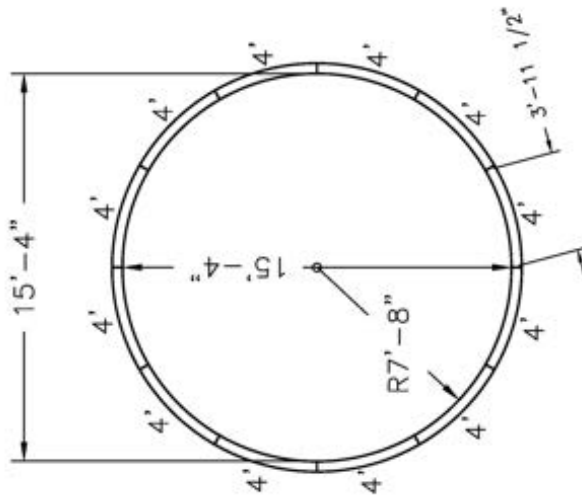
NOTE: THIS IS A NON DIVING POOL.

Date: 11/20/2025	Perimeter: 28'
Drawn By: S. WEIBLER	Area: 62 SQ. FT.
Scale: 1/4" = 1'-0"	Notes: ---
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- NOTES:
1. ALL PANELS ARE 14 GAUGE STEEL
 2. POOL WALLS SHOULD ALWAYS BE INSTALLED ON VIRGIN SOIL OR COMPACTED BASE MATERIAL
 3. BUTTRESSES ARE LOCATED AT EACH JOINT ALONG EACH STRAIGHT WALL.
 4. IF USING PCW ADD 2 5/16" TO DIG DEPTH. BEAD TO FINISH REMAINS THE SAME.
 5. INSTALLATION TO BE IN ACCORDANCE WITH FOX POOL RECOMMENDATIONS.



Pool Size: 15'
Pool Shape: ULTIMATE TRUE ROUND
Pool Number: UPD1500 **Gallons:** 5,500
 250 Route 61 South, Schuylkill Haven, PA 17872 • 717-801-1345 • engineering@foxpool.com



NOTE: THIS IS A NON DIVING POOL.

Date: 11/12/2025

Drawn By: S.WEIBLER

Scale: 3/16" = 1'-0"

Perimeter: 48'-2"

Area: 185 SQ. FT.

Notes: ~



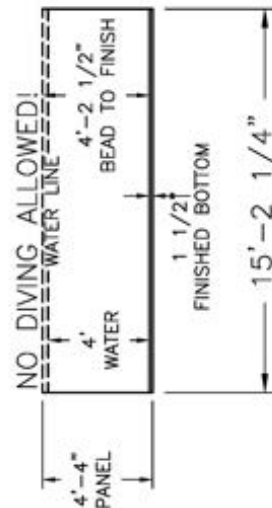
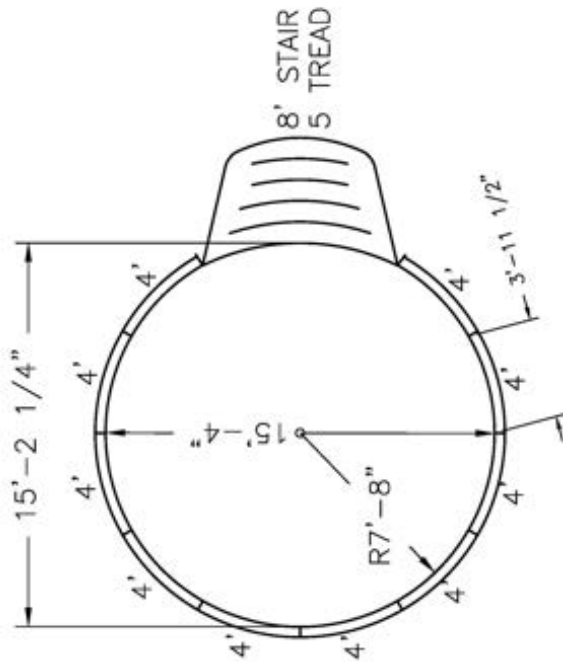
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NOTES:

1. ALL PANELS ARE 14 GAUGE STEEL
2. POOL WALLS SHOULD ALWAYS BE INSTALLED ON VIRGIN SOIL OR COMPACTED
3. BASE MATERIAL
4. BUTTRESSES ARE LOCATED AT EACH JOINT ALONG EACH STRAIGHT WALL.
4. IF USING PCW ADD 2 5/16" TO DIG DEPTH. BEAD TO FINISH REMAINS THE SAME.
5. INSTALLATION TO BE IN ACCORDANCE WITH FOX POOL RECOMMENDATIONS.

Pool Size: 15'
 Pool Shape: ULTIMATE TRUE ROUND
 Pool Number: UPD1500S Gallons: 5,500
 250 Route 61 South, Schuylkill Haven, PA 17872 • 717-801-1345 • engineering@foxpool.com



NOTE: THIS IS A NON DIVING POOL.

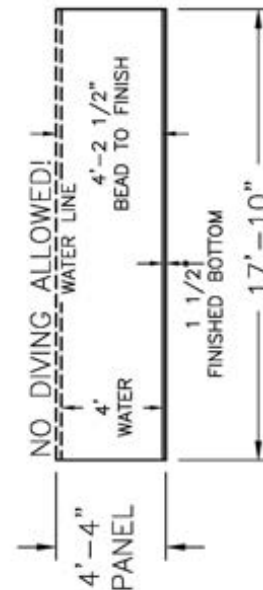
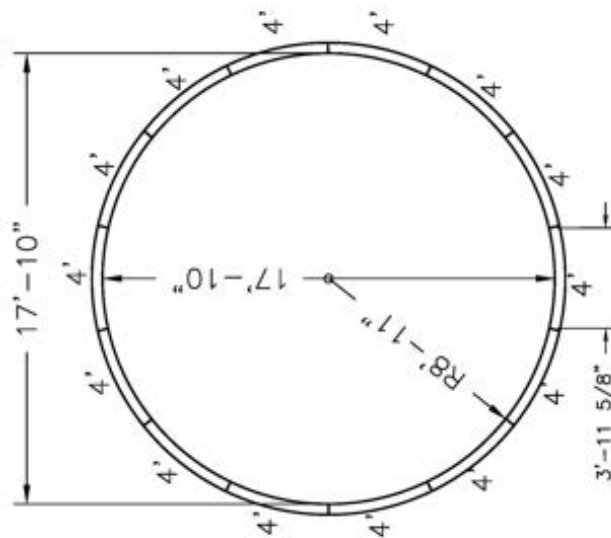


Date: 11/12/2025	Perimeter: 48'-1"
Drawn By: S.WEIBLER	Area: 184 SQ. FT.
Scale: 3/16" = 1'-0"	Notes: ~

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- NOTES:
1. ALL PANELS ARE 14 GAUGE STEEL
 2. POOL WALLS SHOULD ALWAYS BE INSTALLED ON VIRGIN SOIL OR COMPACTED
 3. BASE MATERIAL
 4. BUTTRESSES ARE LOCATED AT EACH JOINT ALONG EACH STRAIGHT WALL.
 5. IF USING PCW ADD 2 5/16" TO DIG DEPTH. BEAD TO FINISH REMAINS THE SAME.
 5. INSTALLATION TO BE IN ACCORDANCE WITH FOX POOL RECOMMENDATIONS.

Pool Size: 18'
Pool Shape: ULTIMATE TRUE ROUND
Pool Number: UPD1800 **Gallons:** 7,400
 250 Route 61 South, Schuylkill Haven, PA 17872 • 717-801-1345 • engineering@foxpool.com



NOTE: THIS IS A NON DIVING POOL.

Date: 11/12/2025

Drawn By: S. WEIBLER

Scale: $\frac{3}{16}'' = 1'-0''$

Perimeter: $56'-0 \frac{1}{4}''$

Area: 250 SQ. FT.

Notes: ~



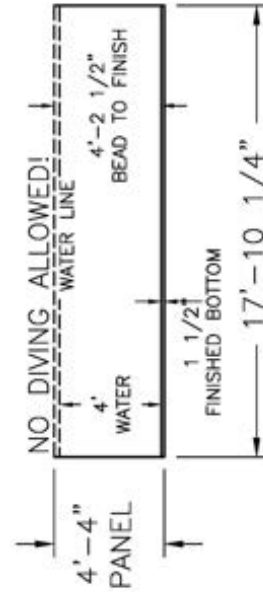
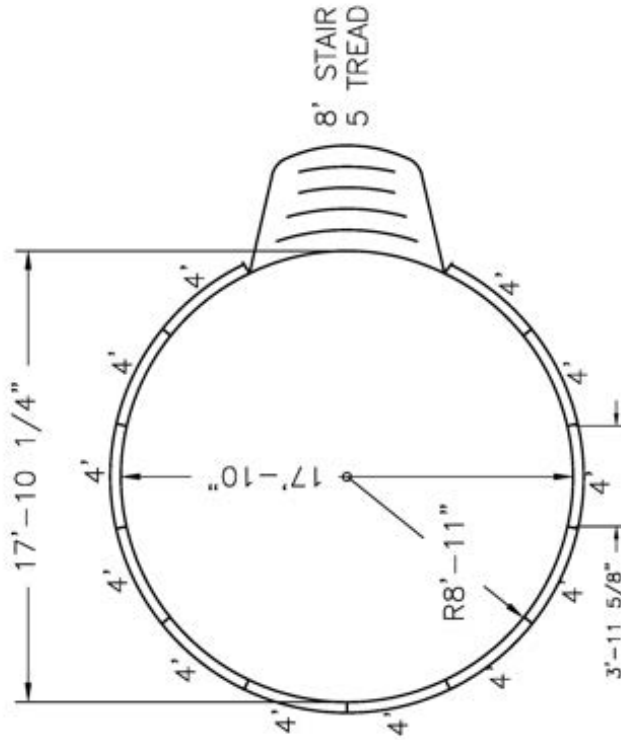
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NOTES:

1. ALL PANELS ARE 14 GAUGE STEEL
2. POOL WALLS SHOULD ALWAYS BE INSTALLED ON VIRGIN SOIL OR COMPACTED
3. BASE MATERIAL
4. BUTTRESSES ARE LOCATED AT EACH JOINT ALONG EACH STRAIGHT WALL.
5. IF USING PCW ADD $2 \frac{5}{16}''$ TO DIG DEPTH. BEAD TO FINISH REMAINS THE SAME.
6. INSTALLATION TO BE IN ACCORDANCE WITH FOX POOL RECOMMENDATIONS.

Pool Size: 18'
Pool Shape: ULTIMATE TRUE ROUND
Pool Number: UPRD1800S **Gallons:** 7,400
 250 Route 61 South, Schuylkill Haven, PA 17872 • 717-801-1345 • engineering@foxpool.com



NOTE: THIS IS A NON DIVING POOL.

Date: 11/12/2025 **Perimeter:** 56'-0 3/8"

Drawn By: S.WEIBLER **Area:** 250 SQ. FT.

Scale: 3/16" = 1'-0" **Notes:** ~

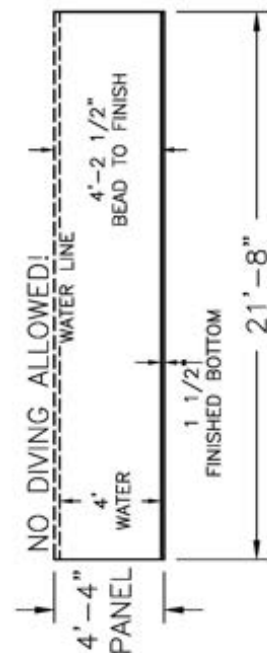
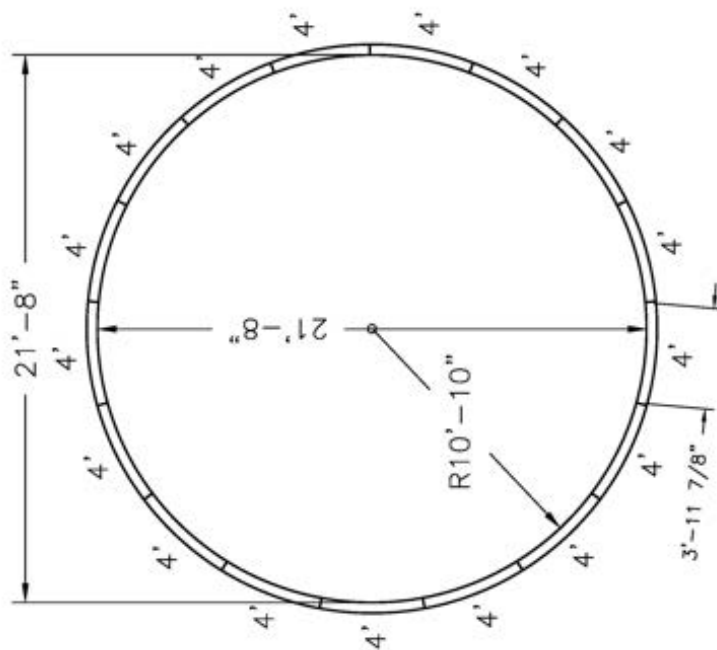
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NOTES:

1. ALL PANELS ARE 14 GAUGE STEEL
2. POOL WALLS SHOULD ALWAYS BE INSTALLED ON VIRGIN SOIL OR COMPACTED
3. BASE MATERIAL
4. BUTTRESSES ARE LOCATED AT EACH JOINT ALONG EACH STRAIGHT WALL.
4. IF USING PCW ADD 2 5/16" TO DIG DEPTH. BEAD TO FINISH REMAINS THE SAME.
5. INSTALLATION TO BE IN ACCORDANCE WITH FOX POOL RECOMMENDATIONS.

Pool Size: 21'
Pool Shape: ULTIMATE TRUE ROUND
Pool Number: UPD2100 **Gallons:** 11,000
 250 Route 61 South, Schuylkill Haven, PA 17872 • 717-801-1345 • engineering@foxpool.com



NOTE: THIS IS A NON DIVING POOL.

Date: 11/12/2025

Drawn By: S.WEIBLER

Scale: 3/16" = 1'-0"

Perimeter: 68'-0 7/8'

Area: 368 SQ. FT.

Notes: ~

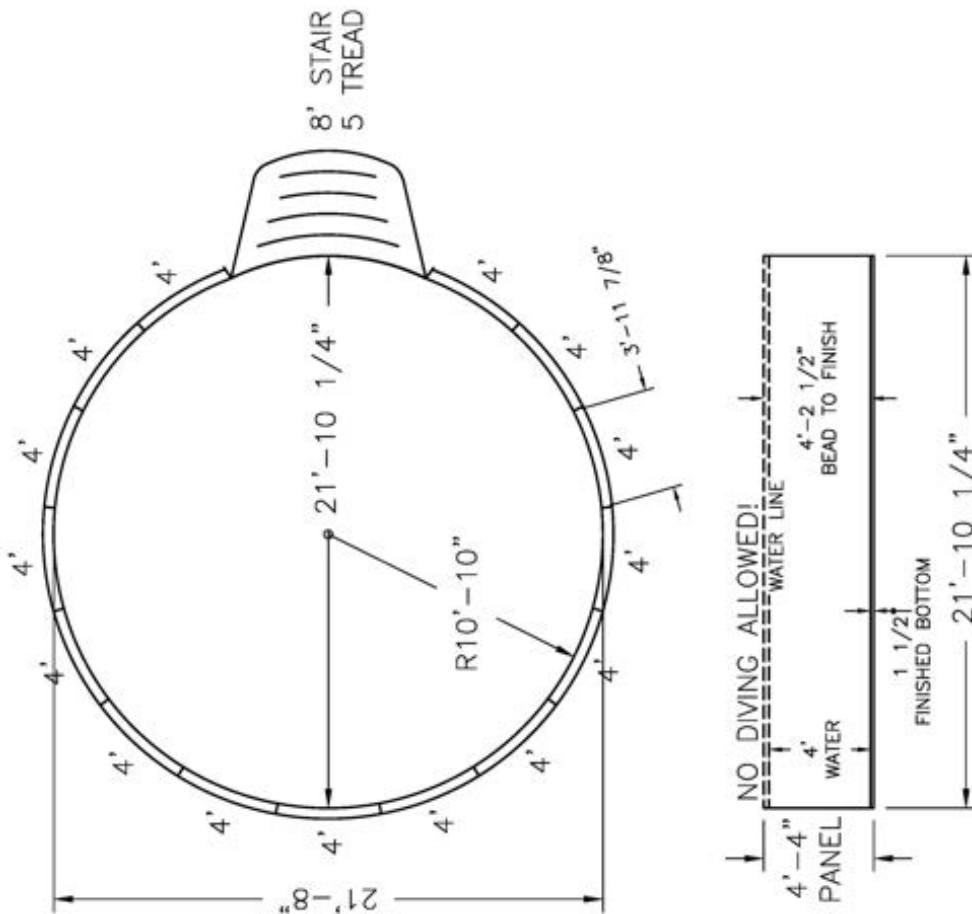


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NOTES:

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4. IF USING PCW ADD 2 5/16" TO DIG DEPTH. BEAD TO FINISH REMAINS THE SAME.
5. INSTALLATION TO BE IN ACCORDANCE WITH FOX POOL RECOMMENDATIONS.

Pool Size: 21'
Pool Shape: ULTIMATE TRUE ROUND
Pool Number: UPRD2100S **Gallons:** 11,000
 250 Route 61 South, Schuylkill Haven, PA 17872 • 717-801-1345 • engineering@foxpool.com



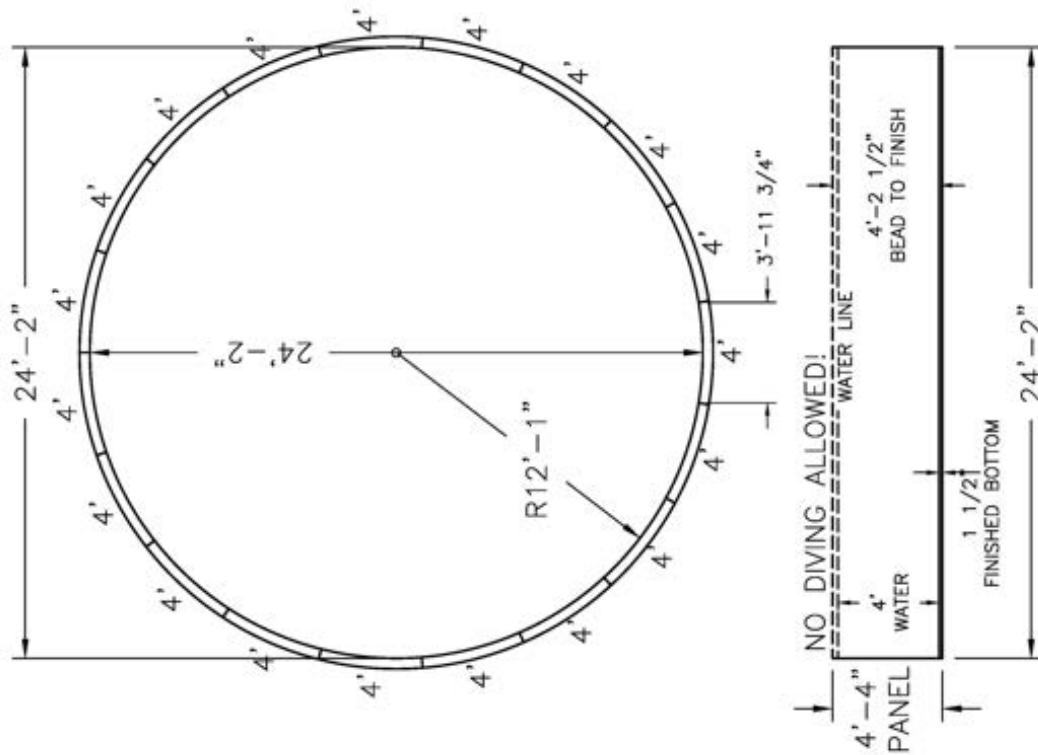
NOTE: THIS IS A NON DIVING POOL.

Date: 11/12/2025	Perimeter: 68'-2 1/4"
Drawn By: S.WEIBLER	Area: 370 SQ. FT.
Scale: 3/16" = 1'-0"	Notes: ~

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NOTES:
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 3. BASE MATERIAL
 4. BUTTRESSES ARE LOCATED AT EACH JOINT ALONG EACH STRAIGHT WALL.
 5. IF USING PCW ADD 2 5/16" TO DIG DEPTH. BEAD TO FINISH REMAINS THE SAME.
 6. INSTALLATION TO BE IN ACCORDANCE WITH FOX POOL RECOMMENDATIONS.

Pool Size: 24'
Pool Shape: ULTIMATE TRUE ROUND
Pool Number: UPRD2400 **Gallons:** 13,600
 250 Route 61 South, Schuylkill Haven, PA 17872 • 717-801-1345 • engineering@foxpool.com



NOTE: THIS IS A NON DIVING POOL.

Date: 11/12/2025

Drawn By: S. WEIBLER

Scale: 3/16" = 1'-0"

Perimeter: 76'

Area: 459 SQ. FT.

Notes: ~



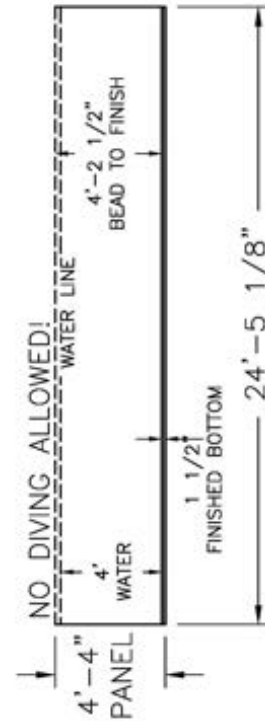
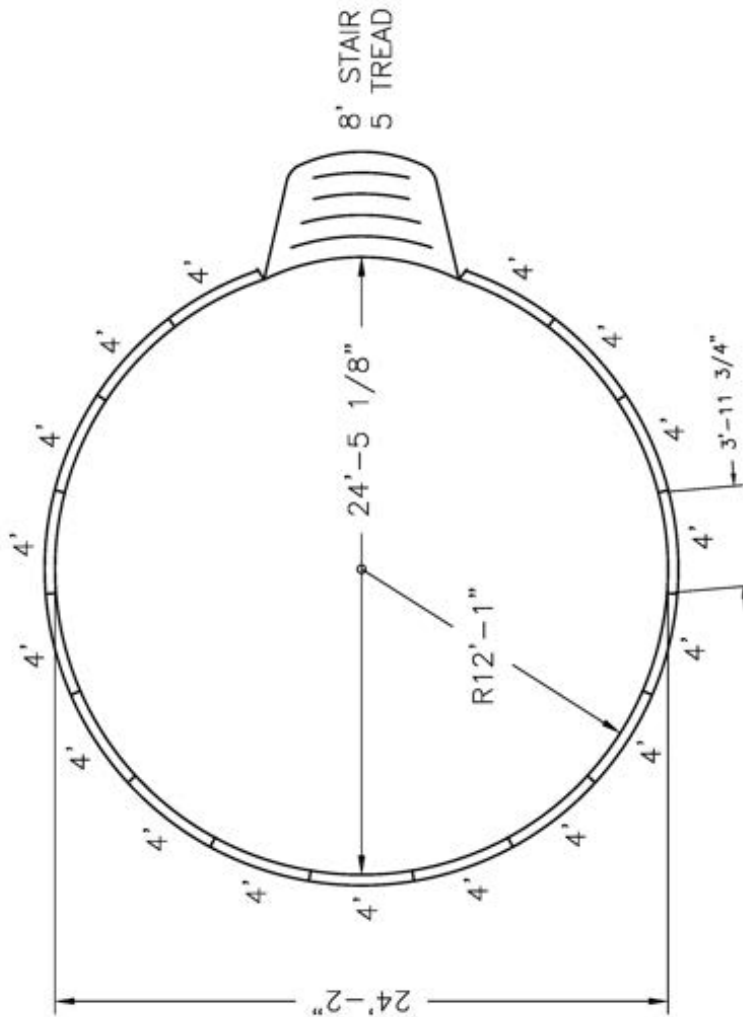
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NOTES:

1. ALL PANELS ARE 14 GAUGE STEEL
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5. INSTALLATION TO BE IN ACCORDANCE WITH FOX POOL RECOMMENDATIONS.

Pool Size: 24'
Pool Shape: ULTIMATE TRUE ROUND
Pool Number: UPRD2400S **Gallons:** 13,600
 250 Route 61 South, Schuylkill Haven, PA 17872 • 717-801-1345 • engineering@foxpool.com



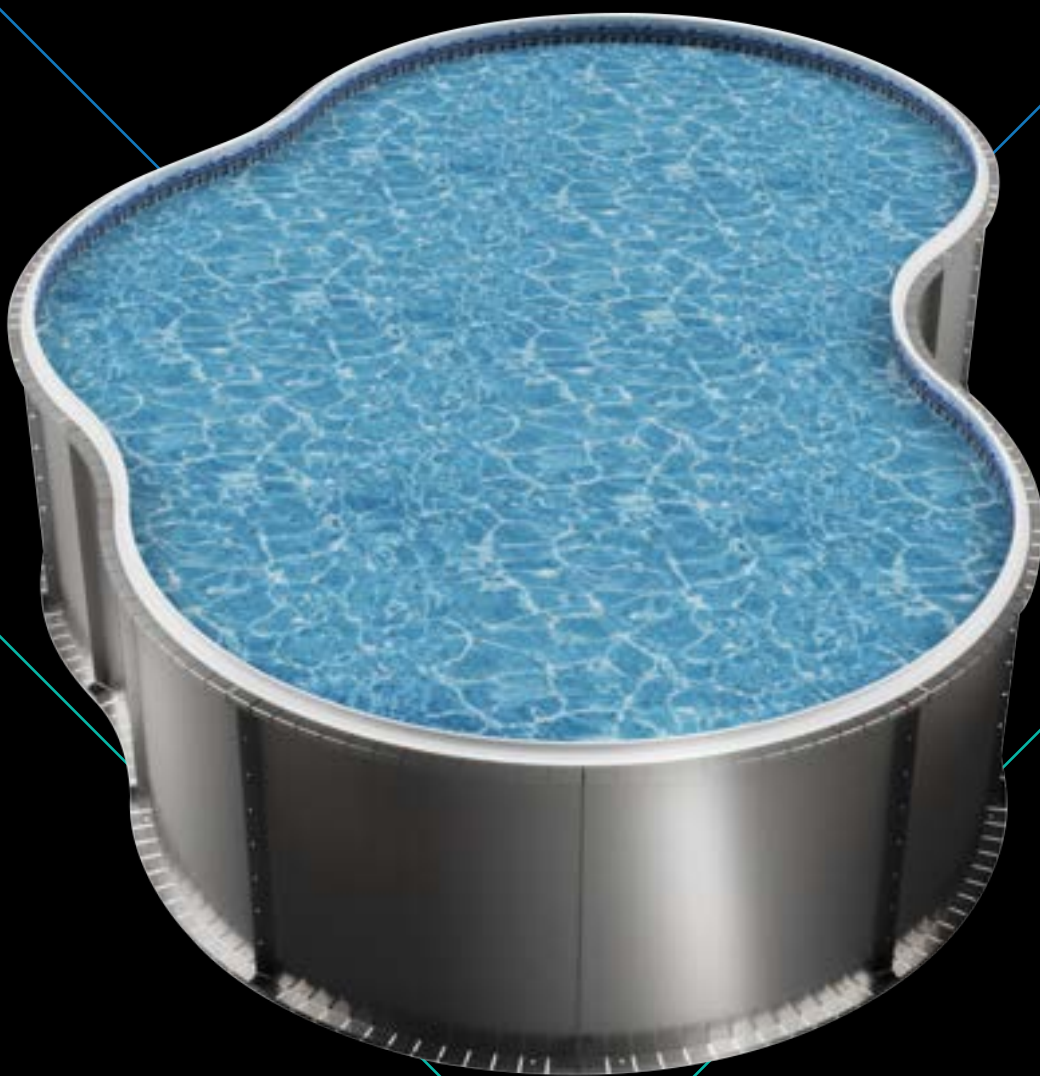
NOTE: THIS IS A NON DIVING POOL.

Date: 11/12/2025	Perimeter: 76'
Drawn By: S.WEIBLER	Area: 459 SQ. FT.
Scale: 3/16" = 1'-0"	Notes: ~

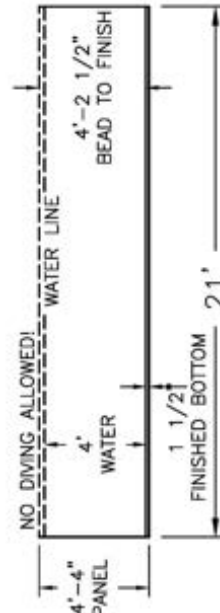
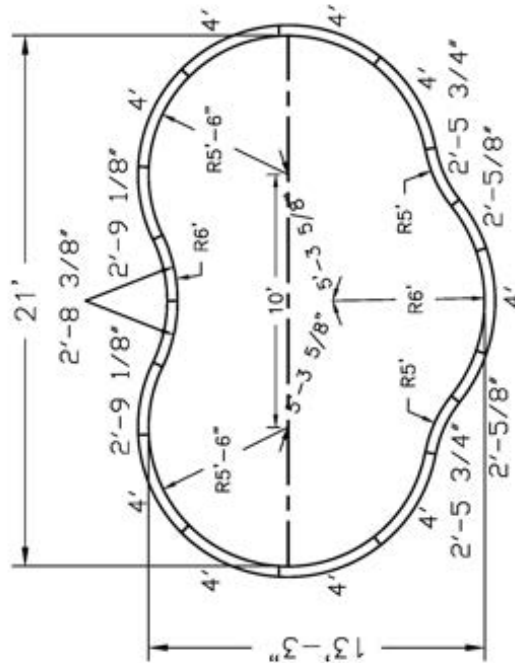
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 6. INSTALLATION TO BE IN ACCORDANCE WITH FOX POOL RECOMMENDATIONS.

THE ULTIMATE
OASIS
POOL DRAWINGS



Pool Size: 13' X 21'
Pool Shape: ULTIMATE OASIS
Pool Number: UPOA1321
Gallons: 6,300
 250 Route 61 South, Schuylkill Haven, PA 17972 • 717-801-1345 • engineering@foxpool.com



NOTE: THIS IS A NON DIVING POOL.

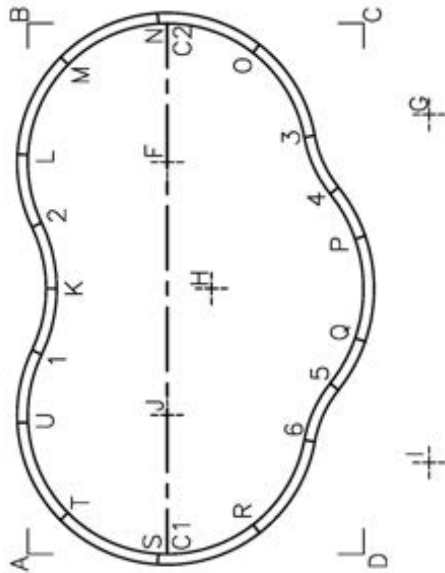
Date: 11/17/2025	Perimeter: 56'
Drawn By: S. WEIBLER	Area: 214 SQ. FT.
Scale: 1/8" = 1'-0"	Notes: ~



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Pool Size: 13' X 21'
Pool Shape: ULTIMATE OASIS
Pool Number: UPOA1321
Gallons: 6,300
 250 Route 61 South, Schuylkill Haven, PA 17972 • 717-801-1345 • engineering@foxpool.com



Date: 11/17/2025	Perimeter: 56'
Drawn By: S. WEIBLER	Area: 214 SQ. FT.
Scale: 1/8" = 1'-0"	Notes: ~
 	
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Pool Size: 13' X 21'
 Pool Shape: ULTIMATE OASIS
 Pool Number: UPOA1321
 Gallons: 6,300
 250 Route 61 South, Schuylkill Haven, PA 17872 • 717-801-1345 • engineering@foxpool.com

PANEL TO PANEL POINTS	2-N	9'-1 1/2"	4-C1	15'-7 5/8"	5-Q	2'-0 1/2"
POINTS	2-D	10'-8 1/2"	4-C2	9'-3 7/8"	5-R	6'-4 1/4"
1-C1	2-P	12'-4 5/8"	4-K	11'-5"	5-S	9'-6 5/8"
1-C2	2-Q	13'-2 1/4"	4-L	12'-0 1/4"	5-T	11'-6 3/8"
1-K	2-R	14'-6 3/4"	4-M	11'-6 3/8"	5-U	12'-0 1/4"
1-L	2-S	13'-10 5/8"	4-N	9'-6 5/8"	6-C1	7'-0 1/2"
1-M	2-T	11'-6 1/4"	4-O	6'-4 1/4"	6-C2	17'-4 1/4"
1-N	2-U	7'-11"	4-P	2'-0 1/2"	6-K	11'-5 1/2"
1-O	3-C1	17'-4 1/4"	4-Q	5'-9 5/8"	6-L	15'-8 1/4"
1-P	3-C2	7'-0 1/2"	4-R	13'-5 1/4"	6-M	17'-6 1/2"
1-Q	3-K	11'-5 1/2"	4-S	15'-9 1/4"	6-N	17'-5 1/2"
1-R	3-L	10'-11 1/8"	4-T	16'-3 3/4"	6-O	15'-5 1/2"
1-S	3-M	9'-9 1/8"	4-U	14'-11 5/8"	6-P	8'-2 3/8"
1-T	3-N	7'-3 3/4"	5-C1	9'-3 7/8"	6-Q	4'-6"
1-U	3-O	3'-11"	5-C2	15'-7 5/8"	6-R	3'-11"
2-C1	3-P	4'-6"	5-K	11'-5"	6-S	7'-3 3/4"
2-C2	3-Q	8'-2 3/8"	5-L	14'-11 5/8"	6-T	9'-9 1/8"
2-K	3-R	15'-5 1/2"	5-M	16'-3 3/4"	6-U	10'-11 1/8"
2-L	3-S	17'-5 1/2"	5-N	15'-9 1/4"		
2-M	3-T	17'-6 1/2"	5-O	13'-5 1/4"		
	3-U	15'-8 1/4"	5-P	5'-9 5/8"		

BOX POINTS		B-C	13'-3"	C-F	9'-6"	HOPPER DIG POINTS
POINTS	DISTANCE					
A-B	21'	B-C1	21'-8 1/2"	C-G	4'-5 1/4"	
A-C	24'-10"	B-C2	5'-6"	C-H	12'-1 1/8"	E-F
A-C1	5'-6"	B-D	24'-10"	C-I	17'-6 7/8"	E-G
A-C2	21'-8 1/2"	B-E	11'-6 7/8"	C-J	17'-4"	E-H
A-D	13'-3"	B-F	7'-9 3/8"	D-C1	7'-9"	E-I
A-E	11'-6 7/8"	B-G	16'-2 7/8"	D-C2	22'-4 5/8"	E-J
A-F	16'-5 3/8"	B-H	12'-9 1/8"	D-E	20'-11 1/8"	E-K
A-G	23'-6 1/8"	B-I	23'-6 1/8"	D-F	17'-4"	F-G
A-H	12'-9 1/8"	B-J	16'-5 3/8"	D-G	17'-6 7/8"	F-H
A-I	16'-2 7/8"	C-C1	22'-4 5/8"	D-H	12'-1 1/8"	F-I
A-J	7'-9 3/8"	C-C2	7'-9"	D-I	4'-5 1/4"	F-J
		C-D	21'	D-J	9'-6"	G-I
		C-E	20'-11 1/8"			G-J
						H-I
						H-J
						I-J

Date: 11/17/2025


Perimeter: 56'

Drawn By: S. WEIBLER

Area: 214 SQ. FT.

Scale: 1/8" = 1'-0"

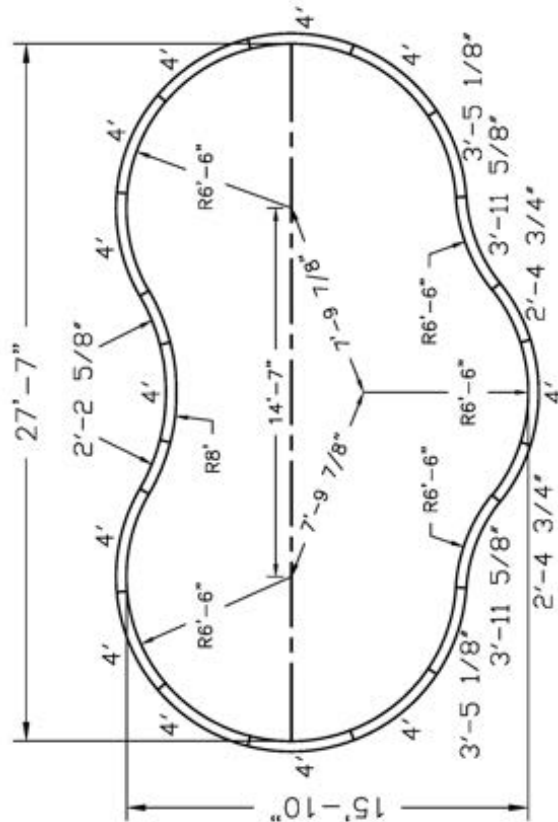
Notes: ~



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Pool Size: 16' X 28'
Pool Shape: ULTIMATE OASIS
Pool Number: UPOA1628
Gallons: 9,800
 250 Route 61 South, Schuylkill Haven, PA 17972 • 717-801-1345 • engineering@foxpool.com



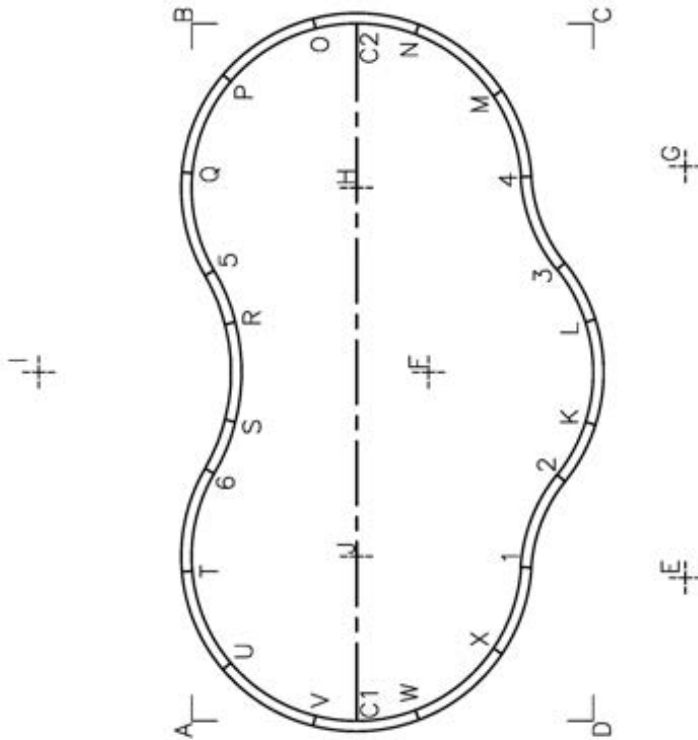
NOTE: THIS IS A NON DIVING POOL.

- NOTES:
1. ALL PANELS ARE 14 GAUGE STEEL
 2. POOL WALLS SHOULD ALWAYS BE INSTALLED ON VIRGIN SOIL OR COMPACTED
 3. BASE MATERIAL
 4. BUTTRESSES ARE LOCATED AT EACH JOINT ALONG EACH STRAIGHT WALL.
 5. IF USING PCW ADD 2 5/16" TO DIG DEPTH. BEAD TO FINISH REMAINS THE SAME.
 6. INSTALLATION TO BE IN ACCORDANCE WITH FOX POOL RECOMMENDATIONS.

Date: 11/17/2025	Perimeter: 72'
Drawn By: S. WEIBLER	Area: 330 SQ. FT.
Scale: 1/8" = 1'-0"	Notes: ~

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 250 Route 61 South, Schuylkill Haven, PA 17972 • 717-801-1345 • engineering@foxpool.com



Date: 11/17/2025	Perimeter: 72'
Drawn By: S. WEIBLER	Area: 330 SQ. FT.
Scale: 1/8" = 1'-0"	Notes: ~
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[CardinalSystemsInc.com](http://www.CardinalSystemsInc.com)

Pool Size: 16' X 28'
 Pool Shape: ULTIMATE OASIS
 Pool Number: UPOA1628
 Gallons: 9,800
 250 Route 61 South, Schuylkill Haven, PA 17972 • 717-801-1345 • engineering@foxpool.com

PANEL TO PANEL POINTS	2-0	20'-0 3/4"	3-X	15'-2 3/8"	5-0	3'-11 1/4"
1-C1	2-0	20'-2 1/4"	4-C1	22'-5 1/2"	5-R	2'-2 1/2"
1-C2	2-0	18'-8 1/4"	4-C2	8'-10 5/8"	5-S	6'-0 3/4"
1-K	2-R	12'-0 5/8"	4-K	10'-0 1/4"	5-T	11'-11"
1-L	2-S	12'-10 1/4"	4-L	6'-3 1/4"	5-U	15'-6 3/8"
1-M	2-T	14'-10 1/2"	4-M	3'-4 5/8"	5-V	18'-0 3/4"
1-N	2-U	14'-10 1/4"	4-N	7'-0 3/8"	5-W	19'-1 3/8"
1-O	2-V	13'-5 5/8"	4-O	10'-0 1/8"	5-X	18'-6 3/4"
1-P	2-W	10'-10 1/4"	4-P	12'-0 5/8"	6-C1	11'-3 1/4"
1-Q	2-X	7'-3 1/2"	4-Q	12'-1 1/2"	6-C2	18'-8 1/8"
1-R	3-C1	19'-6 3/8"	4-R	12'-7 3/4"	6-K	14'-9 1/2"
1-S	3-C2	12'-6 3/8"	4-S	14'-10 3/8"	6-L	15'-9 7/8"
1-T	3-K	6'-1 3/4"	4-T	20'-3 1/4"	6-M	18'-6 3/4"
1-U	3-L	2'-4 1/2"	4-U	22'-4 3/8"	6-N	19'-1 3/8"
1-V	3-M	7'-3 1/2"	4-V	22'-9 1/2"	6-O	18'-0 3/4"
1-W	3-N	10'-10 1/4"	4-W	21'-5 7/8"	6-P	15'-6 3/8"
1-X	3-O	13'-5 5/8"	4-X	18'-8"	6-Q	11'-11"
2-C1	3-P	14'-10 1/4"	5-C1	18'-8 1/8"	6-R	6'-0 3/4"
2-C2	3-Q	12'-10 1/4"	5-C2	11'-3 1/4"	6-S	2'-2 1/2"
2-K	3-R	12'-6 3/8"	5-K	15'-9 7/8"	6-T	3'-11 1/4"
2-L	3-S	14'-0 5/8"	5-L	14'-9 1/2"	6-U	7'-6"
2-M	3-T	18'-8 1/4"	5-M	12'-11 7/8"	6-V	10'-4 3/8"
2-N	3-U	20'-2 1/4"	5-N	12'-3"	6-W	12'-3"
2-O	3-V	20'-0 3/4"	5-O	10'-4 3/8"	6-X	12'-11 7/8"
2-P	3-W	18'-3 3/4"	5-P	7'-6"		

BOX POINTS		A-H	22'-0 3/4"	B-H	9'-2 1/4"	C-I	25'-10 1/4"
POINTS	DISTANCE	A-I	15'-0 5/8"	B-I	15'-0 5/8"	C-J	23'-0 5/8"
		A-J	9'-2 1/4"	B-J	22'-0 3/4"	D-C1	9'-4"
A-B	27'-7"	B-C	15'-10"	C-C1	29'-1 3/8"	D-C2	29'-1 3/8"
A-C	31'-9 5/8"	B-C1	28'-4 1/8"	C-C2	9'-4"	D-E	6'-8 3/4"
A-C1	6'-6"	B-C2	6'-6"	C-D	27'-7"	D-F	15'-3"
A-C2	28'-4 1/8"	B-D	31'-9 5/8"	C-E	22'-2 3/4"	D-G	22'-2 3/4"
A-D	15'-10"	B-E	29'-3 7/8"	C-F	15'-3"	D-H	23'-0 5/8"
A-E	20'-3 3/8"	B-F	16'-7 7/8"	C-G	6'-8 3/4"	D-I	25'-10 1/4"
A-F	16'-7 7/8"	B-G	20'-3 3/8"	C-H	11'-4 1/2"	D-J	11'-4 1/2"
A-G	29'-3 7/8"						

	HOPPER DIG POINTS	E-H	20'-1 7/8"	F-I	15'-4 3/8"	H-I	14'-6"
	POINTS	E-I	26'-9 1/4"	F-J	7'-9 7/8"	H-J	14'-7"
		E-J	13'	G-H	13'	I-J	14'-6"
E-F	13'	F-G	13'	G-I	26'-9 1/4"		
E-G	16'-3 1/4"	F-H	7'-9 7/8"	G-J	20'-1 7/8"		

Date: 11/17/2025


Perimeter: 72'

Drawn By: S. WEIBLER

Area: 330 SQ. FT.

Scale: 1/8" = 1'-0"

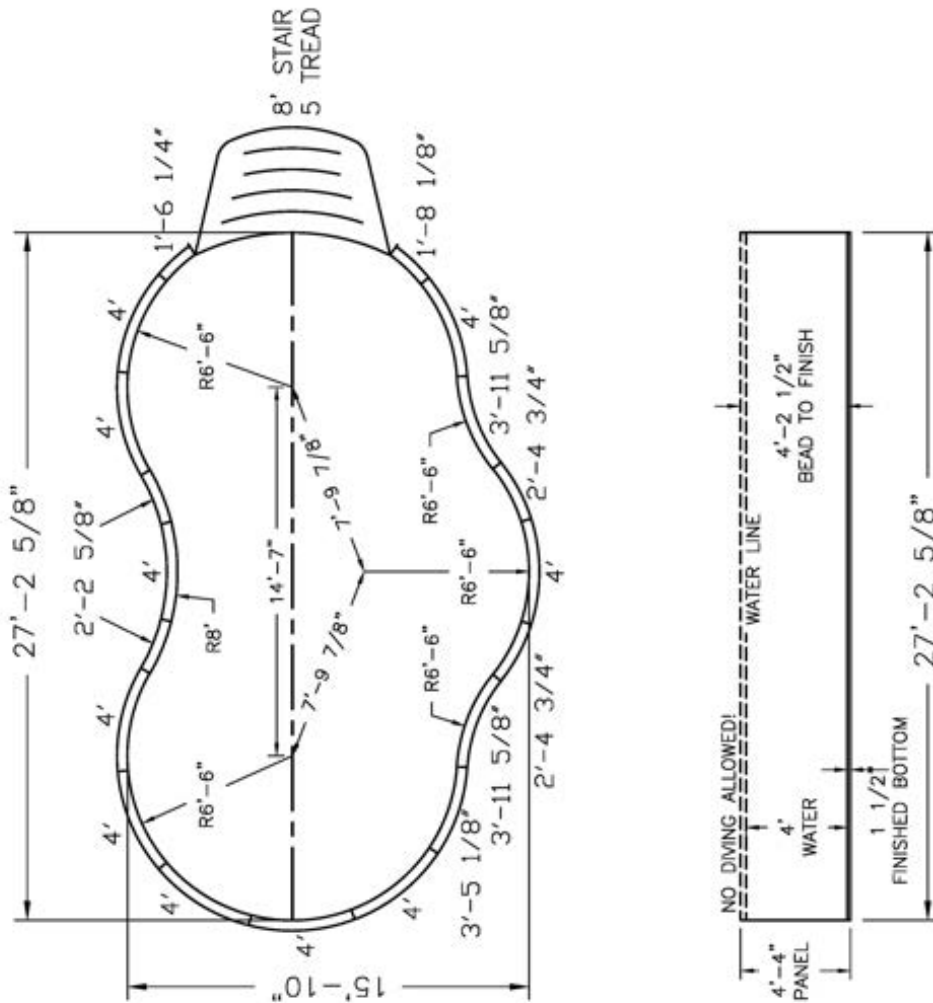
Notes: ~



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Pool Size: 16' X 28'
Pool Shape: ULTIMATE OASIS
Pool Number: UPOA1628S
Gallons: 9,700
 250 Route 61 South, Schuylkill Haven, PA 17972 • 717-801-1345 • engineering@foxpool.com



NOTE: THIS IS A NON DIVING POOL.

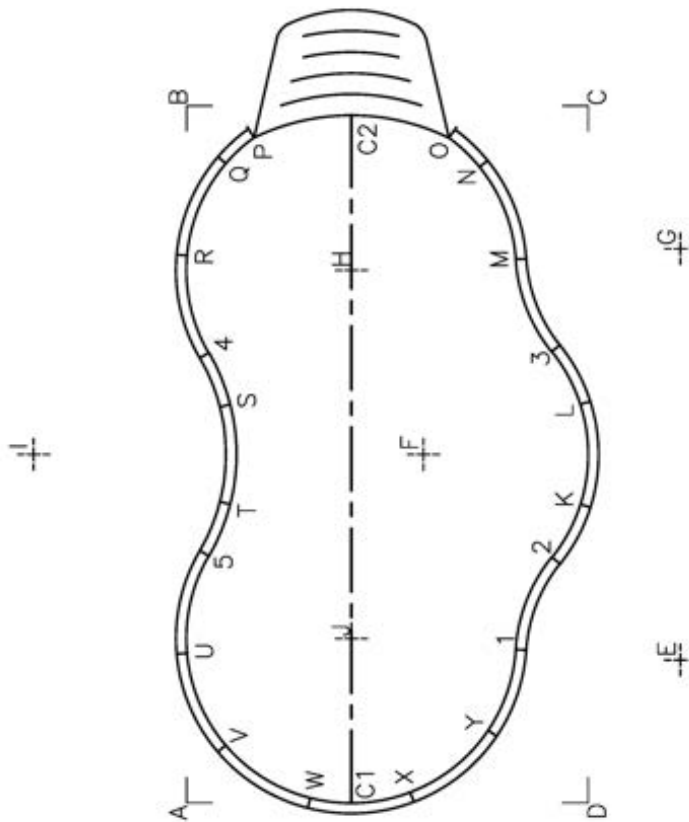
Date: 11/17/2025	Perimeter: 71'-9"
Drawn By: S. WEIBLER	Area: 328 SQ. FT.
Scale: 1/8" = 1'-0"	Notes: ~



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- NOTES:
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 4. IF USING PCW ADD 2 5/16" TO DIG DEPTH. BEAD TO FINISH REMAINS THE SAME.
 5. INSTALLATION TO BE IN ACCORDANCE WITH FOX POOL RECOMMENDATIONS.

Pool Size: 16' X 28'
Pool Shape: ULTIMATE OASIS
Pool Number: UPOA1628S
Gallons: 9,700
 250 Route 61 South, Schuylkill Haven, PA 17972 • 717-801-1345 • engineering@foxpool.com



Date: 11/17/2025	Perimeter: 71'-9"
Drawn By: S. WEIBLER	Area: 328 SQ. FT.
Scale: 1/8" = 1'-0"	Notes: ~
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Pool Size: 16' X 28'

Pool Shape: ULTIMATE OASIS

Pool Number: UPOA1628S

Gallons: 9,700

250 Route 61 South, Schuylkill Haven, PA 17872 • 717-801-1345 • engineering@foxpool.com

PANEL TO PANEL POINTS	1-X	7'-0 3/8"	2-Y	7'-3 1/2"	4-C1	18'-8 1/8"	5-C2	18'-4"
POINTS	1-Y	3'-4 5/8"	3-C1	19'-6 3/8"	4-C2	10'-11 3/8"	5-K	14'-9 1/2"
	2-C1	12'-6 3/8"	3-C2	12'-3"	4-K	15'-9 7/8"	5-L	15'-9 7/8"
1-C1	8'-10 5/8"	19'-2 3/8"	3-K	6'-1 3/4"	4-L	14'-9 1/2"	5-M	16'-10 3/8"
1-C2	22'-1 3/8"	2'-4 1/2"	3-L	2'-4 1/2"	4-M	12'-7 7/8"	5-N	18'-8 7/8"
1-K	6'-3 1/4"	6'-1 3/4"	3-M	3'-11"	4-N	12'-11 1/2"	5-O	19'-0 7/8"
1-L	10'-0 1/4"	11'-10 1/2"	3-N	7'-10 1/8"	4-O	12'-8 3/4"	5-P	16'-7 7/8"
1-M	15'-5 1/4"	15'-8 1/2"	3-O	9'-4 5/8"	4-P	8'-8 3/8"	5-Q	15'-6 3/8"
1-N	19'-1 3/4"	17'-1 1/8"	3-P	14'-5 3/4"	4-Q	7'-6"	5-R	11'-11"
1-O	20'-5"	20'-4"	3-Q	14'-10 1/4"	4-R	3'-11 1/4"	5-S	6'-0 3/4"
1-P	22'-8 3/4"	20'-2 1/4"	3-R	14'-10 1/2"	4-S	2'-2 1/2"	5-T	2'-2 1/2"
1-Q	22'-4 3/8"	18'-8 1/4"	3-S	12'-10 1/4"	4-T	6'-0 3/4"	5-U	3'-11 1/4"
1-R	20'-3 1/4"	14'-0 5/8"	3-T	14'-0 5/8"	4-U	11'-11"	5-V	7'-6"
1-S	14'-10 3/8"	20'-2 1/4"	3-U	18'-8 1/4"	4-V	15'-6 3/8"	5-W	10'-4 3/8"
1-T	12'-7 3/4"	14'-10 1/2"	3-V	20'-2 1/4"	4-W	18'-0 3/4"	5-X	12'-3"
1-U	12'-11 1/2"	14'-10 1/4"	3-W	20'-0 3/4"	4-X	19'-1 3/8"	5-Y	12'-11 7/8"
1-V	12'-0 5/8"	13'-5 5/8"	3-X	18'-3 3/4"	4-Y	18'-6 3/4"		
1-W	10'-0 1/8"	10'-10 1/4"	3-Y	15'-2 3/8"	5-C1	11'-3 1/4"		

BOX POINTS		A-H	22'-0 3/4"	B-I	15'-0 5/8"	D-C1	9'-4"
POINTS	DISTANCE	A-I	15'-0 5/8"	B-J	22'-0 3/4"	D-C2	28'-9 1/4"
		A-J <td>9'-2 1/4"<th>C-C1</th><th>29'-1 3/8"</th><th>D-E</th><th>6'-8 3/4"</th></td>	9'-2 1/4" <th>C-C1</th> <th>29'-1 3/8"</th> <th>D-E</th> <th>6'-8 3/4"</th>	C-C1	29'-1 3/8"	D-E	6'-8 3/4"
A-B	27'-7"	B-C	15'-10"	C-C2	9'-4 1/8"	D-F	15'-3"
A-C	31'-9 5/8"	B-C1	28'-4 1/8"	C-D	27'-7"	D-G	22'-2 3/4"
A-C1	6'-6 1/8"	B-C2	6'-6 1/8"	C-E	22'-2 3/4"	D-H	23'-0 5/8"
A-C2	27'-11 3/4"	B-D	31'-9 5/8"	C-F	15'-3"	D-I	25'-10 1/4"
A-D	15'-10"	B-E	29'-3 7/8"	C-G	6'-8 3/4"	D-J	11'-4 1/2"
A-E	20'-3 3/8"	B-F	16'-7 7/8"	C-H	11'-4 1/2"		
A-F	16'-7 7/8"	B-G	20'-3 3/8"	C-I	25'-10 1/4"		
A-G	29'-7 7/8"	B-H	9'-2 1/4"	C-J	23'-0 5/8"		

HOPPER DIG POINTS	E-I	26'-9 1/4"	G-H	13'
POINTS	E-J	13'	G-I	26'-9 1/4"
	F-G	13'	G-J	20'-1 7/8"
E-F	F-H	7'-9 7/8"	H-I	14'-6"
E-G	F-I	15'-4 3/8"	H-J	14'-7"
E-H	F-J	7'-9 7/8"	I-J	14'-6"

Date: 11/17/2025


Drawn By: S. WEIBLER

Scale: 1/8" = 1'-0"

Perimeter: 71'-9"

Area: 328 SQ. FT.

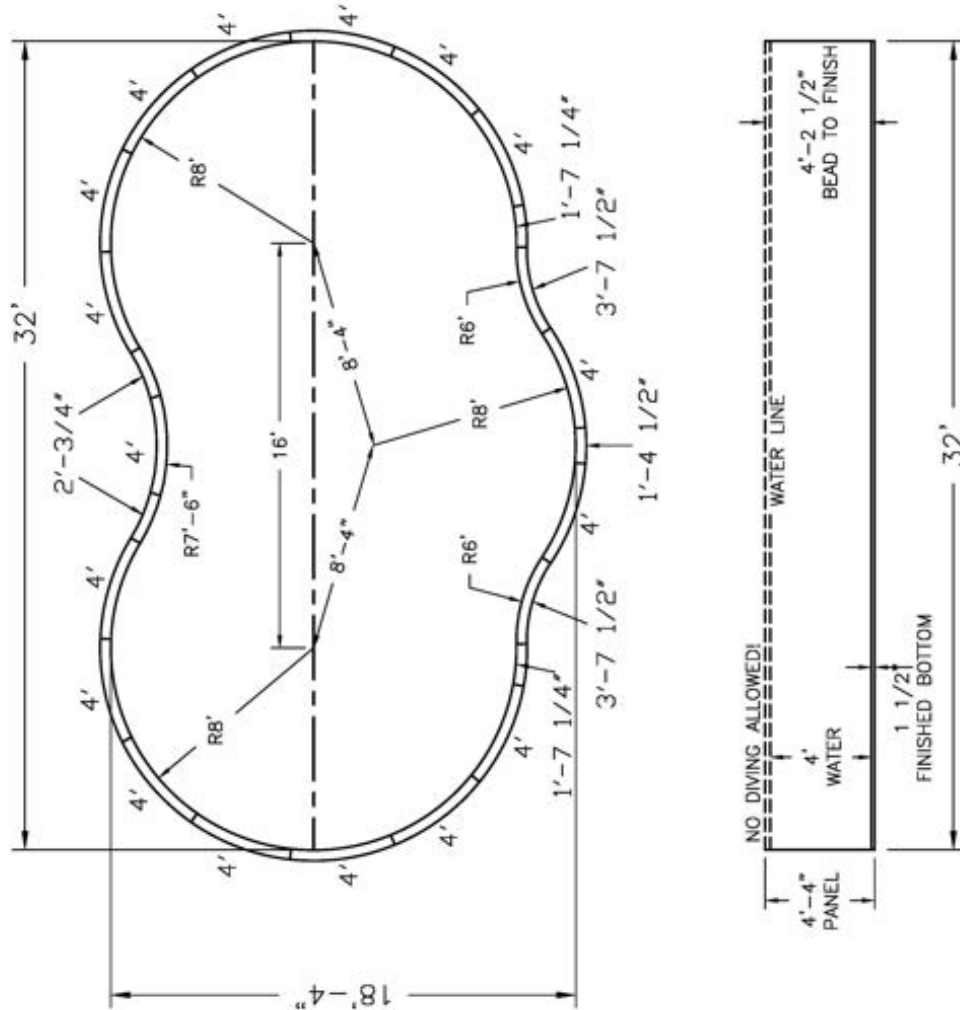
Notes: ~



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Pool Size: 18' X 32'
Pool Shape: ULTIMATE OASIS
Pool Number: UPOA1832 **Gallons:** 13,600
 250 Route 61 South, Schuylkill Haven, PA 17972 • 717-801-1345 • engineering@foxpool.com

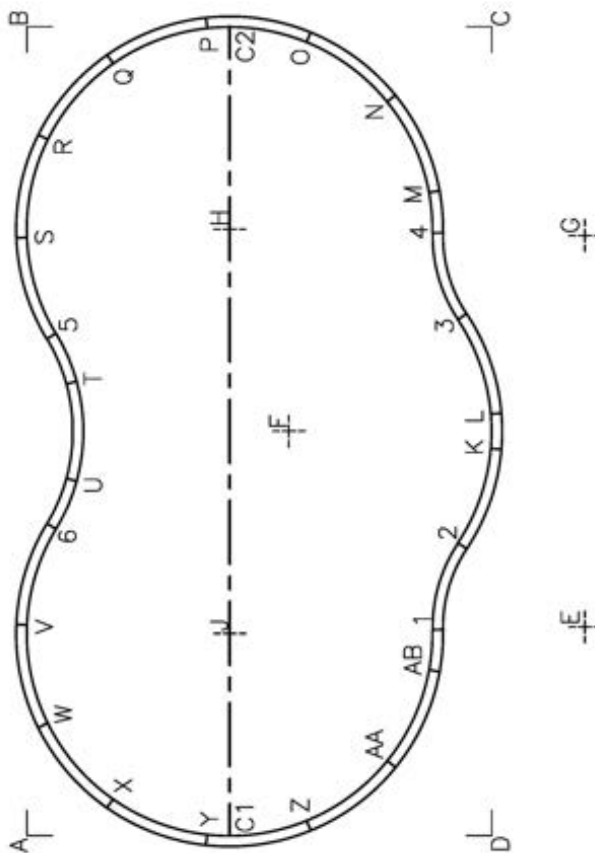


NOTE: THIS IS A NON DIVING POOL.

- NOTES:
1. ALL PANELS ARE 14 GAUGE STEEL
 2. POOL WALLS SHOULD ALWAYS BE INSTALLED ON VIRGIN SOIL OR COMPACTED
 3. BASE MATERIAL
 4. BUTTRESSES ARE LOCATED AT EACH JOINT ALONG EACH STRAIGHT WALL.
 5. IF USING PCW ADD 2 5/16" TO DIG DEPTH. BEAD TO FINISH REMAINS THE SAME.
 5. INSTALLATION TO BE IN ACCORDANCE WITH FOX POOL RECOMMENDATIONS.

	Perimeter: 84'
	Area: 458 SQ. FT.
Scale: 1/8" = 1'-0"	Notes: ~
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Pool Size: 18' X 32'
Pool Shape: ULTIMATE OASIS
Pool Number: UPOA1832
Gallons: 13,600
 250 Route 61 South, Schuylkill Haven, PA 17872 • 717-801-1345 • engineering@foxpool.com



Date: 11/17/2025	Perimeter: 84'
Drawn By: S. WEIBLER	Area: 458 SQ. FT.
Scale: 1/8" = 1'-0"	Notes: ~
<small>This information is the confidential property of Cardinal Systems, Inc. Disclosure or duplication without proper written approval is strictly prohibited. Acceptance and use of this drawing constitutes knowledge and acceptance by the user of the terms and conditions set forth in the notice and warning which accompanied this drawing is incorporated herein and made part hereof and is found on Cardinal Systems, Inc.'s website at www.CardinalSystemsInc.com.</small>	



www.CardinalSystemsInc.com
 Cardinal Systems, Inc.

Pool Size: 18' X 32'
 Pool Shape: ULTIMATE OASIS
 Pool Number: UPOA1832
 Gallons: 13,600
 250 Route 61 South, Schuylkill Haven, PA 17872 • 717-801-1345 • engineering@foxpool.com

PANEL TO PANEL POINTS	2-0	20'-8 1/2"	3-Z	20'-8 1/2"	5-Q	10'-11"
1-AA	2-P	22'-7 3/4"	4-AA	20'-11 5/8"	5-R	7'-8 1/8"
1-AB	2-Q	23'-4 1/8"	4-AB	17'-3 5/8"	5-S	3'-11 1/2"
1-AC	2-R	22'-8 3/4"	4-C1	25'-1 7/8"	5-T	2'-0 3/4"
1-AD	2-S	20'-10 1/4"	4-C2	11'-5"	5-U	5'-10 7/8"
1-AE	2-T	16'-4 1/8"	4-K	8'-10 1/8"	5-V	11'-7 1/8"
1-B1	2-U	15'-2 7/8"	4-L	7'-6 3/8"	5-W	15'-5"
1-B2	2-V	17'-3 5/8"	4-M	1'-7 1/8"	5-X	18'-6 5/8"
1-B3	2-W	17'-8"	4-N	5'-5 7/8"	5-Y	20'-8 3/8"
1-B4	2-X	16'-11 3/8"	4-O	9'-0 1/2"	5-Z	21'-7 7/8"
1-B5	2-Y	15'-2 1/4"	4-P	12'-0 1/4"	6-AA	15'-11 1/2"
1-B6	2-Z	12'-6"	4-Q	14'-3 1/8"	6-AB	15'-8 7/8"
1-B7	3-AA	17'-8 1/4"	4-R	15'-7 3/8"	6-C1	13'-11 1/8"
1-B8	3-AB	13'-11"	4-S	15'-11 7/8"	6-C2	21'-0 1/4"
1-B9	3-C1	22'-3 7/8"	4-T	15'-2 5/8"	6-K	17'-5 3/8"
1-B10	3-C2	14'-8"	4-U	17'-1 5/8"	6-L	17'-9"
1-B11	3-K	5'-3 1/4"	4-V	22'-3 3/8"	6-M	19'-10 1/4"
1-B12	3-L	3'-11 1/2"	4-W	24'-7 1/2"	6-N	21'-4 1/2"
1-B13	3-M	5'-1 3/4"	4-X	25'-8 3/8"	6-O	21'-7 7/8"
1-B14	3-N	9'-0 3/4"	4-Y	25'-4 7/8"	6-P	20'-8 3/8"
1-B15	3-O	12'-6"	4-Z	23'-9 3/8"	6-Q	18'-6 5/8"
1-B16	3-P	15'-2 1/4"	5-AA	21'-4 1/2"	6-R	15'-5"
1-B17	3-Q	16'-11 3/8"	5-AB	19'-10 1/4"	6-S	11'-7 1/8"
1-B18	3-R	17'-8"	5-C1	21'-0 1/4"	6-T	5'-10 7/8"
1-B19	3-S	17'-3 5/8"	5-C2	13'-11 1/8"	6-U	2'-0 3/4"
1-B20	3-T	15'-2 7/8"	5-K	17'-9"	6-V	3'-11 1/2"
1-B21	3-U	16'-4 1/8"	5-L	17'-5 3/8"	6-W	7'-8 1/8"
1-B22	3-V	20'-10 1/4"	5-M	15'-8 7/8"	6-X	10'-11"
1-B23	3-W	22'-8 3/4"	5-N	15'-11 1/2"	6-Y	13'-5 5/8"
1-B24	3-X	23'-4 1/8"	5-O	15'-2 1/4"	6-Z	15'-2 1/4"
1-B25	3-Y	22'-7 3/4"	5-P	13'-5 5/8"		

Date: 11/17/2025


Perimeter: 84'

Drawn By: S. WEIBLER

Area: 458 SQ. FT.

Scale: 1/8" = 1'-0"

Notes: ~



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Pool Size: 18' X 32'
Pool Shape: ULTIMATE OASIS
Pool Number: UPOA1832
Gallons: 13,600
 250 Route 61 South, Schuylkill Haven, PA 17972 • 717-801-1345 • engineering@foxpool.com

HOPPER DIG POINTS			
POINTS	DISTANCE		
E-I	14'	28'-4 1/4"	G-H
E-F	15'-5 7/8"	14'	28'-4 1/4"
E-G	21'-0 3/4"	8'-4"	21'-0 3/4"
F-I	15'-7 1/4"	15'-6"	15'-6"
F-H	15'-7 1/4"	16'	16'
F-G	21'-0 3/4"	15'-6"	15'-6"

BOX POINTS			
POINTS	DISTANCE		
A-B	32'	25'-3 5/8"	B-I
A-C	36'-10 1/2"	16'-10 1/8"	B-J
A-D	32'-11 7/8"	11'-3 3/4"	C-C1
A-E	18'-4"	32'-11 7/8"	C-C2
A-F	23'-6"	8'	C-D
A-G	32'-4 3/8"	36'-10 1/2"	C-E
		32'-4 3/8"	C-F
		19'-0 1/2"	C-G
		23'-6"	C-H
		11'-3 3/4"	C-I
			C-J
		16'-10 1/8"	D-C1
		25'-3 5/8"	D-C2
		33'-7 1/2"	D-E
		10'-4"	D-F
		32'	D-G
		24'-0 1/4"	D-H
		17'-10 5/8"	D-I
		9'-0 3/8"	D-J
		13'-0 7/8"	
		26'-1 1/2"	
		28'-6 1/4"	
		10'-4"	
		33'-7 1/2"	
		9'-0 3/8"	
		17'-10 5/8"	
		24'-0 1/4"	
		26'-1 1/2"	
		28'-6 1/4"	
		13'-0 7/8"	

Date: 11/17/2025


Perimeter: 84'

Drawn By: S. WEIBLER

Area: 458 SQ. FT.

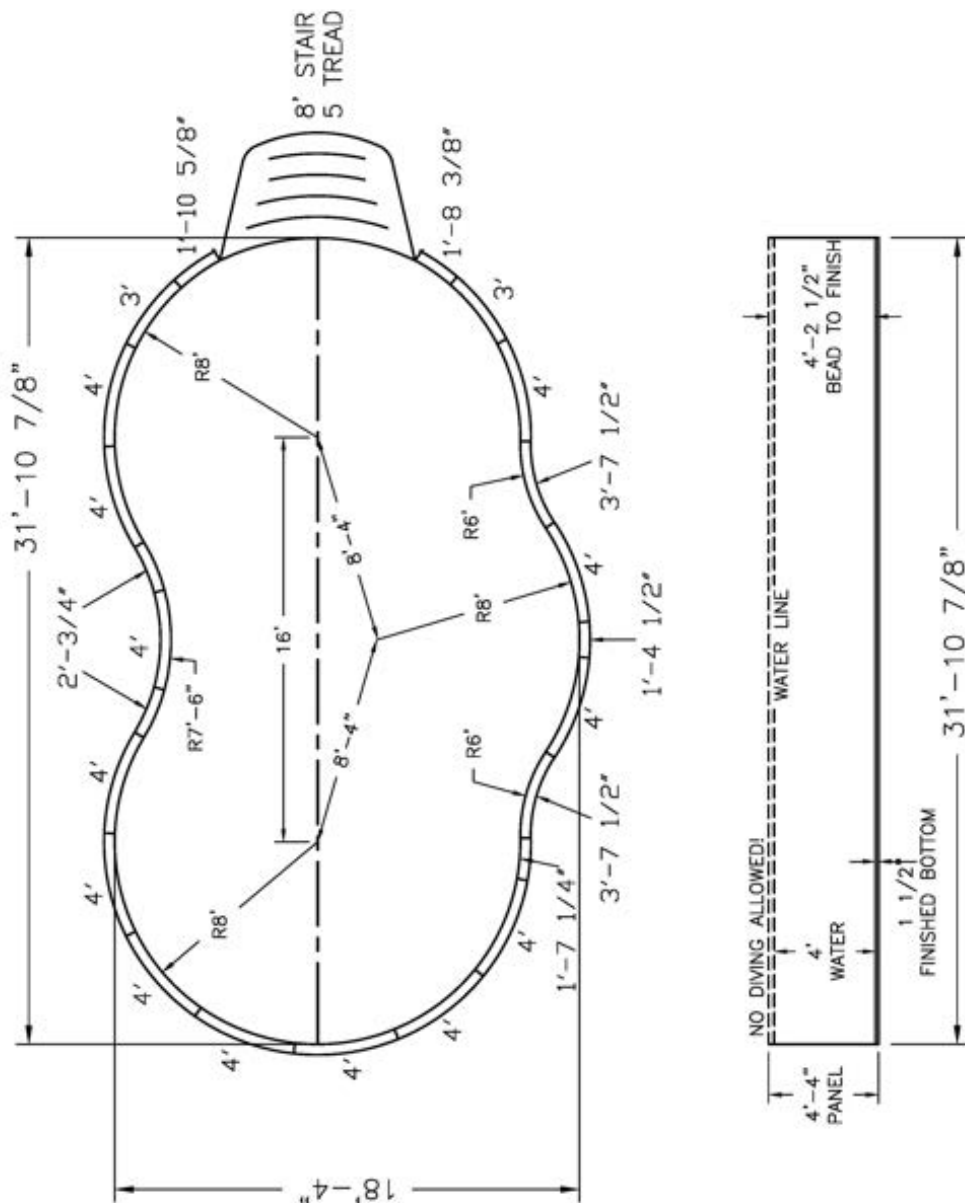
Scale: 1/8" = 1'-0"

Notes: ~




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Pool Size: 18' X 32'
Pool Shape: ULTIMATE OASIS
Pool Number: UPOA1832S
Gallons: 13,600
 250 Route 61 South, Schuylkill Haven, PA 17972 • 717-801-1345 • engineering@foxpool.com



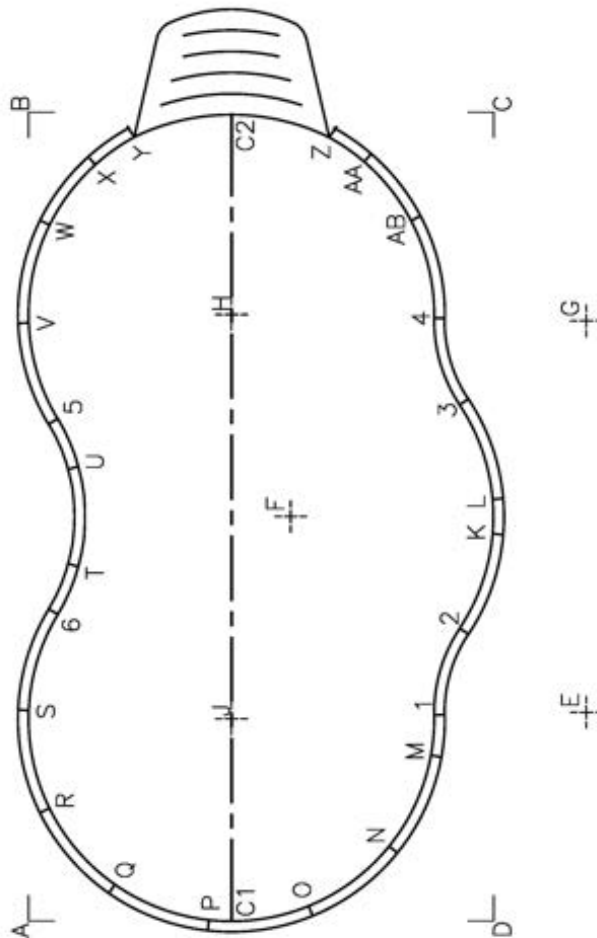
NOTE: THIS IS A NON DIVING POOL.

Date: 11/17/2025	Perimeter: 83'-11"
Drawn By: S. WEIBLER	Area: 457 SQ. FT.
Scale: 1/8" = 1'-0"	Notes: ~

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NOTES:
 1. ALL PANELS ARE 14 GAUGE STEEL
 2. POOL WALLS SHOULD ALWAYS BE INSTALLED ON VIRGIN SOIL OR COMPACTED
 3. BASE MATERIAL
 4. BUTTRESSES ARE LOCATED AT EACH JOINT ALONG EACH STRAIGHT WALL.
 5. IF USING PCW ADD 2 5/16" TO DIG DEPTH. BEAD TO FINISH REMAINS THE SAME.
 6. INSTALLATION TO BE IN ACCORDANCE WITH FOX POOL RECOMMENDATIONS.

Pool Size: 18' X 32'
Pool Shape: ULTIMATE OASIS
Pool Number: UPOA1832S
Gallons: 13,600
 250 Route 61 South, Schuylkill Haven, PA 17872 • 717-801-1345 • engineering@foxpool.com



Date: 11/17/2025	Perimeter: 83'-11"
Drawn By: S. WEIBLER	Area: 457 SQ. FT.
Scale: 1/8" = 1'-0"	Notes: ~
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Pool Size: 18' X 32'
 Pool Shape: ULTIMATE OASIS
 Pool Number: UPOA1832S
 250 Route 61 South, Schuylkill Haven, PA 17872 • 717-801-1345 • engineering@foxpool.com
 Gallons: 13,600

PANEL TO PANEL POINTS	2-C1	14'-8"	3-N	17'-8 1/4"	4-S	22'-3 3/8"	5-X	10'-1 7/8"
POINTS	DISTANCE							
1-AA	22'-0 7/8"	2-C2	3-P	22'-8 1/2"	4-T	17'-1 5/8"	5-Y	11'-6 1/2"
1-AB	19'-7"	2-K	3-Q	3'-11 1/2"	4-U	15'-2 5/8"	5-Z	15'-5 3/8"
1-AC	11'-5"	2-L	3-R	5'-3 1/4"	4-V	15'-11 7/8"	6-AA	21'-7 3/8"
1-AD	25'-1 7/8"	2-M	3-S	5'-1 3/4"	4-W	15'-7 3/8"	6-AB	20'-10 7/8"
1-AE	7'-6 3/8"	2-N	3-T	9'-0 3/4"	4-X	14'-8 1/4"	6-C1	13'-11 1/8"
1-AF	8'-10 1/8"	2-O	3-U	12'-6"	4-Y	13'-10 1/8"	6-C2	21'-0 1/4"
1-AG	1'-7 1/8"	2-P	3-V	15'-2 1/4"	4-Z	8'-3 3/8"	6-K	17'-5 3/8"
1-AH	5'-5 7/8"	2-Q	3-W	16'-11 3/8"	5-AA	15'-9 5/8"	6-L	17'-9"
1-AI	9'-0 1/2"	2-R	3-X	17'-8"	5-AB	15'-11 7/8"	6-M	15'-8 7/8"
1-AJ	12'-0 1/4"	2-S	3-Y	17'-3 5/8"	5-C1	21'-0 1/4"	6-N	15'-11 1/2"
1-AK	14'-3 1/8"	2-T	3-Z	15'-2 7/8"	5-C2	13'-11 1/8"	6-O	15'-2 1/4"
1-AL	15'-7 3/8"	2-U	4-AA	16'-4 1/8"	5-K	17'-9"	6-P	13'-5 5/8"
1-AM	15'-11 7/8"	2-V	4-AB	20'-10 1/4"	5-L	17'-5 3/8"	6-Q	10'-11"
1-AN	15'-2 5/8"	2-W	4-AC	22'-8 3/4"	5-M	19'-10 1/4"	6-R	7'-8 1/8"
1-AO	17'-1 5/8"	2-X	4-AD	23'-3 3/4"	5-N	21'-4 1/2"	6-S	3'-11 1/2"
1-AP	22'-3 3/8"	2-Y	4-AE	23'-3 5/8"	5-O	21'-7 7/8"	6-T	2'-0 3/4"
1-AQ	24'-7 1/2"	2-Z	4-AF	20'-1 3/8"	5-P	20'-8 3/8"	6-U	5'-10 7/8"
1-AR	25'-6 5/8"	3-AA	4-AL	10'-4"	5-Q	18'-6 5/8"	6-V	11'-7 1/8"
1-AS	25'-9"	3-AB	4-AM	7'-6 3/8"	5-R	15'-5"	6-W	15'-5"
1-AT	23'-2 7/8"	3-AC	4-AN	22'-3 7/8"	5-S	11'-7 1/8"	6-X	17'-10 1/4"
2-AA	18'-10 1/4"	3-AD	4-AO	14'-8"	5-T	5'-10 7/8"	6-Y	19'-1 1/2"
2-AB	16'-2 7/8"	3-AE	4-AP	5'-3 1/4"	5-U	2'-0 3/4"	6-Z	21'-8 1/2"
		3-AF	4-AQ	3'-11 1/2"	5-V	3'-11 1/2"		
		3-AG	4-AR	13'-11"	5-W	7'-8 1/8"		

BOX POINTS	A-H	25'-3 5/8"	B-I	16'-10 1/8"	D-C1	10'-4"
POINTS	DISTANCE					
A-B	32'	16'-10 1/8"	B-J	25'-3 5/8"	D-C2	33'-7 1/2"
A-C	36'-10 1/2"	11'-3 3/4"	C-C1	33'-7 1/2"	D-E	9'-0 3/8"
A-D	8'	18'-4"	C-C2	10'-4"	D-F	17'-10 5/8"
A-E	32'-11 7/8"	32'-11 7/8"	C-D	32'	D-G	24'-0 1/4"
A-F	18'-4"	8'	C-E	24'-0 1/4"	D-H	26'-1 1/2"
A-G	32'-11 7/8"	36'-10 1/2"	C-F	17'-10 5/8"	D-I	28'-6 1/4"
		32'-4 3/8"	C-G	9'-0 3/8"	D-J	13'-0 7/8"
		19'-0 1/2"	C-H	13'-0 7/8"		
		23'-6"	C-I	28'-6 1/4"		
		11'-3 3/4"	C-J	26'-1 1/2"		

HOPPER DIG POINTS	F-H	8'-4"
POINTS	DISTANCE	
F-I	15'-7 1/4"	
F-J	8'-4"	
G-H	14'	
G-I	15'-5 7/8"	
G-J	28'-4 1/4"	
H-I	21'-0 3/4"	
H-J	28'-4 1/4"	
I-J	14'	
J-I	14'	
J-J	15'-6"	

Date: 11/17/2025


Perimeter: 83'-11"

Drawn By: S. WEIBLER

Area: 457 SQ. FT.

Scale: 1/8" = 1'-0"

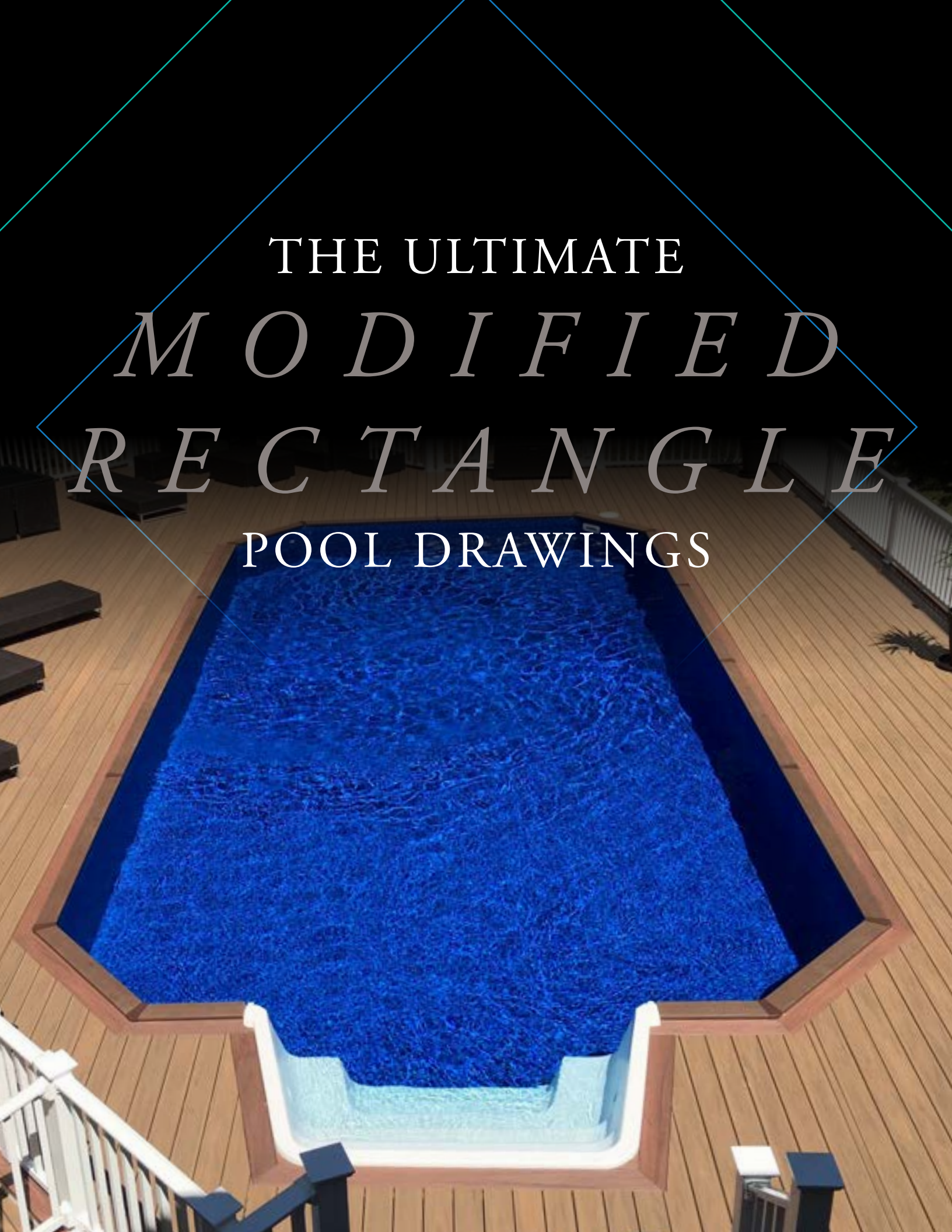
Notes: ~



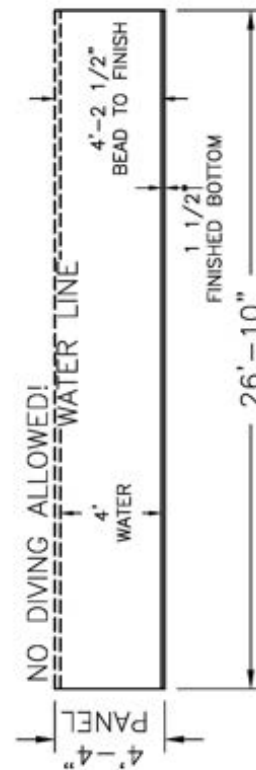
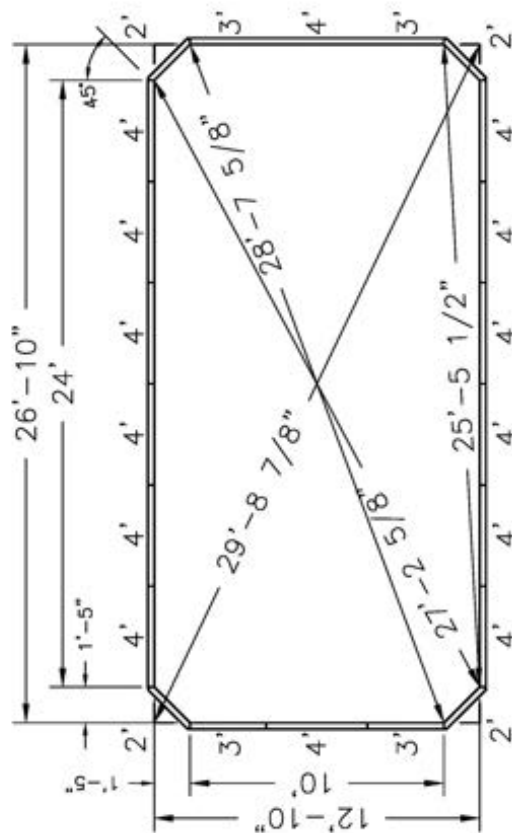
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THE ULTIMATE
MODIFIED
RECTANGLE
POOL DRAWINGS



Pool Size: 12' X 26'
Pool Shape: ULTIMATE MOD. RECTANGLE
Pool Number: UPMR1226 **Gallons:** 10,000
 250 Route 61 South, Schuylkill Haven, PA 17872 • 717-801-1345 • engineering@foxpool.com

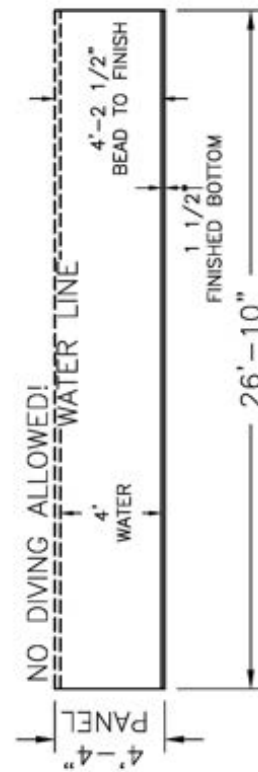


NOTE: THIS IS A NON DIVING POOL.

- NOTES:
1. ALL PANELS ARE 14 GAUGE STEEL
 2. POOL WALLS SHOULD ALWAYS BE INSTALLED ON VIRGIN SOIL OR COMPACTED
 3. BASE MATERIAL
 4. BUTTRESSES ARE LOCATED AT EACH JOINT ALONG EACH STRAIGHT WALL.
 5. IF USING PCW ADD 2 5/16" TO DIG DEPTH. BEAD TO FINISH REMAINS THE SAME.
 5. INSTALLATION TO BE IN ACCORDANCE WITH FOX POOL RECOMMENDATIONS.

	Perimeter: 76'-0 1/4"
	Area: 340 SQ. FT.
	Notes:
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NOTE: THIS IS A NON DIVING POOL.

Date: 11/04/2025	Perimeter: 76'-0 1/4"
Drawn By: S. WEIBLER	Area: 340 SQ. FT.
Scale: 3/16" = 1'-0"	Notes:

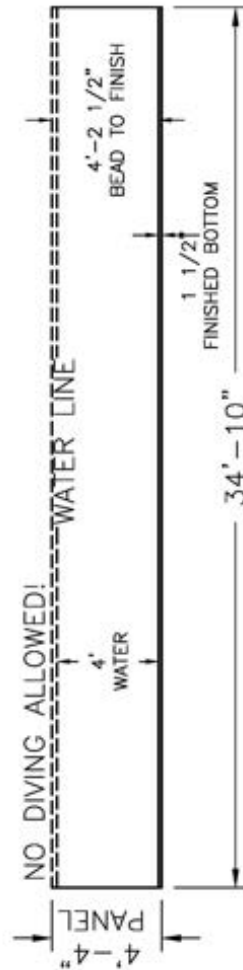
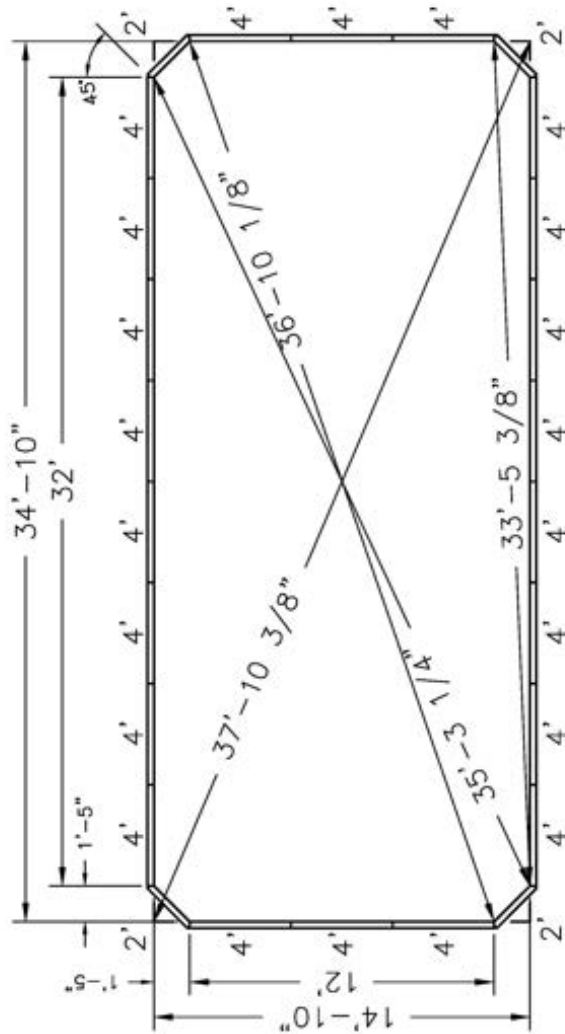


Scale: 3/10 = 100
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NOTES:

1. ALL PANELS ARE 14 GAUGE STEEL
2. POOL WALLS SHOULD ALWAYS BE INSTALLED ON VIRGIN SOIL OR COMPACTED BASE MATERIAL
3. BUTTRESSES ARE LOCATED AT EACH JOINT ALONG EACH STRAIGHT WALL.
4. IF USING PCW ADD 2 5/16" TO DIG DEPTH. BEAD TO FINISH REMAINS THE SAME.
5. INSTALLATION TO BE IN ACCORDANCE WITH FOX POOL RECOMMENDATIONS.

Pool Size: 14' X 34'
Pool Shape: ULTIMATE MOD. RECTANGLE
Pool Number: UPMR1434 **Gallons:** 15,200
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NOTE: THIS IS A NON DIVING POOL.

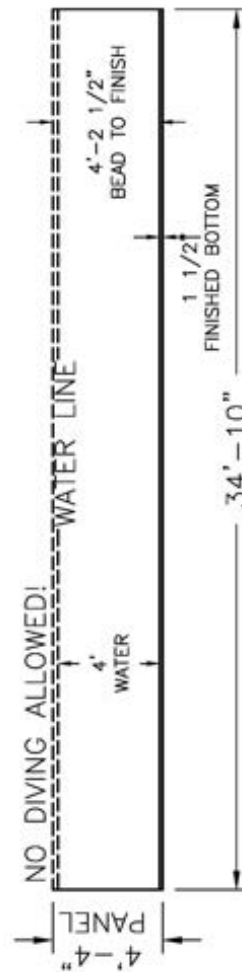
- NOTES:
1. ALL PANELS ARE 14 GAUGE STEEL
 2. POOL WALLS SHOULD ALWAYS BE INSTALLED ON VIRGIN SOIL OR COMPACTED
 3. BASE MATERIAL
 4. BUTTRESSES ARE LOCATED AT EACH JOINT ALONG EACH STRAIGHT WALL.
 5. IF USING PCW ADD 2 5/16" TO DIG DEPTH. BEAD TO FINISH REMAINS THE SAME.
 5. INSTALLATION TO BE IN ACCORDANCE WITH FOX POOL RECOMMENDATIONS.

Date: 11/04/2025	Perimeter: 96'-0 1/4"
Drawn By: S. WEIBLER	Area: 513 SQ. FT.
Scale: 3/16" = 1'-0"	Notes:
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NOTES:

1. ALL PANELS ARE 14 GAUGE STEEL
2. POOL WALLS SHOULD ALWAYS BE INSTALLED ON VIRGIN SOIL OR COMPACTED BASE MATERIAL
3. BUTTRESSES ARE LOCATED AT EACH JOINT ALONG EACH STRAIGHT WALL.
4. IF USING PCW ADD 2 5/16" TO DIG DEPTH. BEAD TO FINISH REMAINS THE SAME.
5. INSTALLATION TO BE IN ACCORDANCE WITH FOX POOL RECOMMENDATIONS.



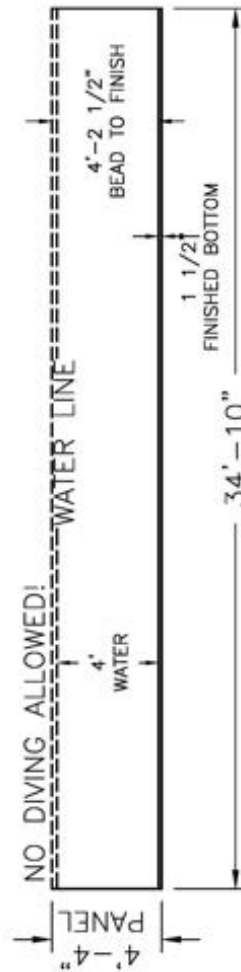
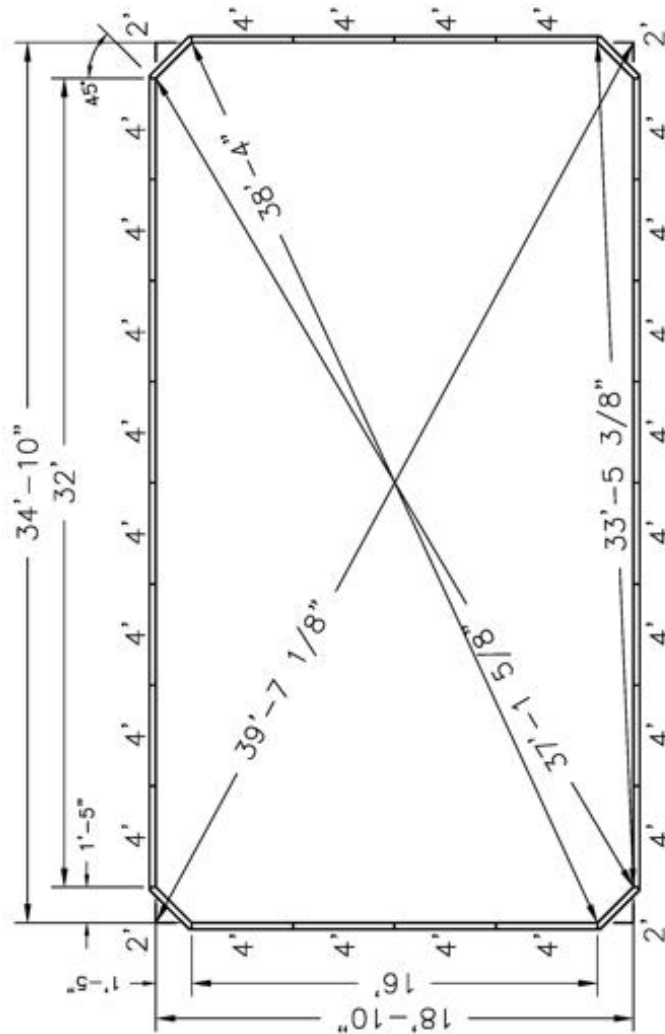
Date: 11/04/2025	Perimeter: 96'-0 1/4"	 
Drawn By: S. WEIBLER	Area: 513 SQ. FT.	
Scale: 3/16" = 1'-0"	Notes:	

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Pool Size: 18' X 34'
Pool Shape: ULTIMATE MOD. RECTANGLE
Pool Number: UPMR1834 **Gallons:** 19,400
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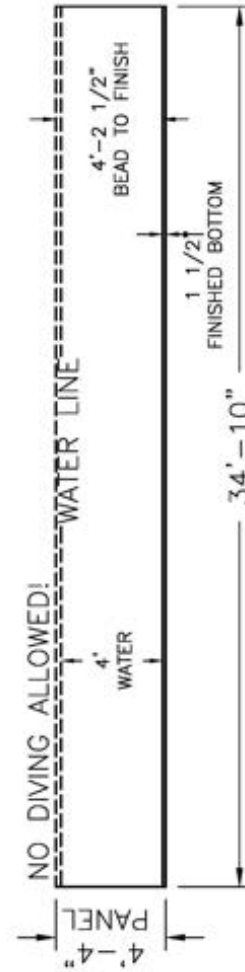
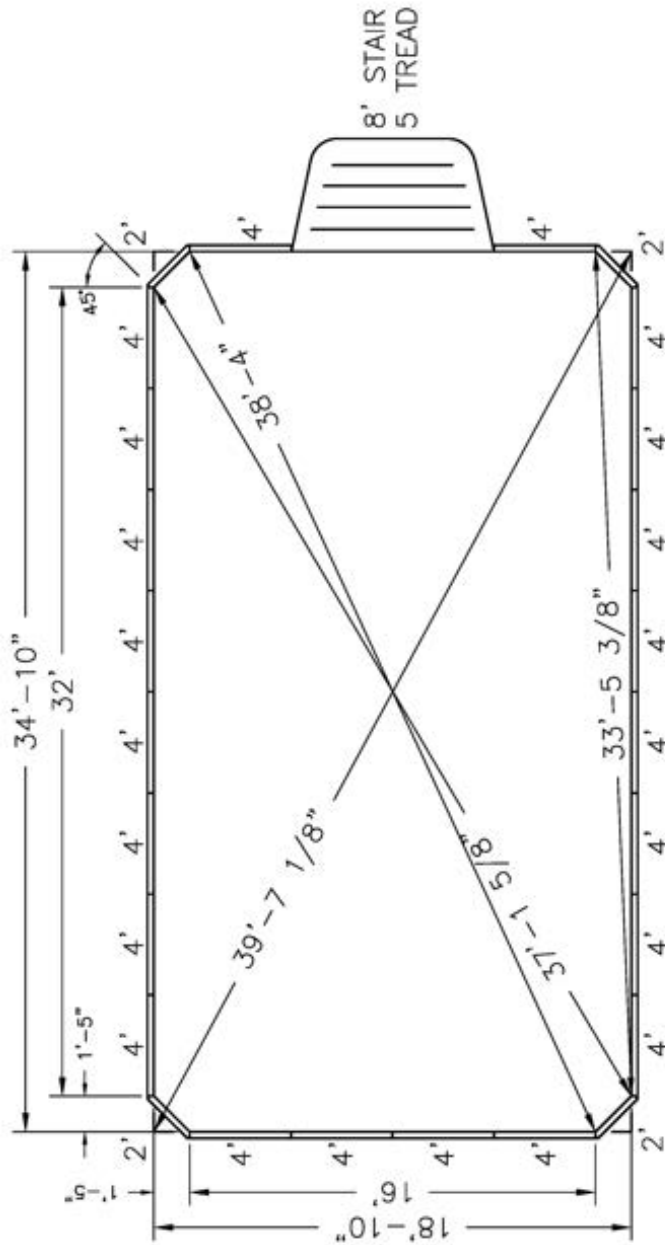


NOTE: THIS IS A NON DIVING POOL.

- NOTES:
1. ALL PANELS ARE 14 GAUGE STEEL
 2. POOL WALLS SHOULD ALWAYS BE INSTALLED ON VIRGIN SOIL OR COMPACTED BASE MATERIAL
 3. BUTTRESSES ARE LOCATED AT EACH JOINT ALONG EACH STRAIGHT WALL.
 4. IF USING PCW ADD 2 5/16" TO DIG DEPTH. BEAD TO FINISH REMAINS THE SAME.
 5. INSTALLATION TO BE IN ACCORDANCE WITH FOX POOL RECOMMENDATIONS.

Date: 11/04/2025 Drawn By: S. WEIBLER Scale: 3/16" = 1'-0"	Perimeter: 104'-0 1/4" Area: 652 SQ. FT. Notes: ---	 Cardinal Systems, Inc. Disclosure or duplication without proper written approval is strictly prohibited. Acceptance and use of this drawing constitutes knowledge and acceptance by the user of the terms and conditions set forth in the notice and warning which accompanied this drawing is incorporated herein and made part hereof and is found on Cardinal Systems, Inc.'s website at www.CardinalSystemsInc.com
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Pool Size: 18' X 34'
 Pool Shape: ULTIMATE MOD. RECTANGLE
 Pool Number: UPMR1834S Gallons: 19,400
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NOTE: THIS IS A NON DIVING POOL.

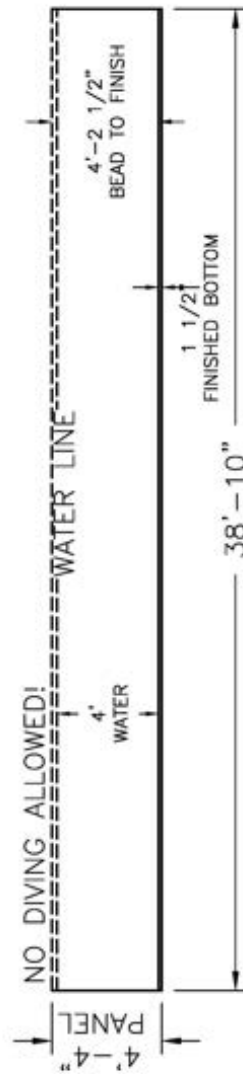
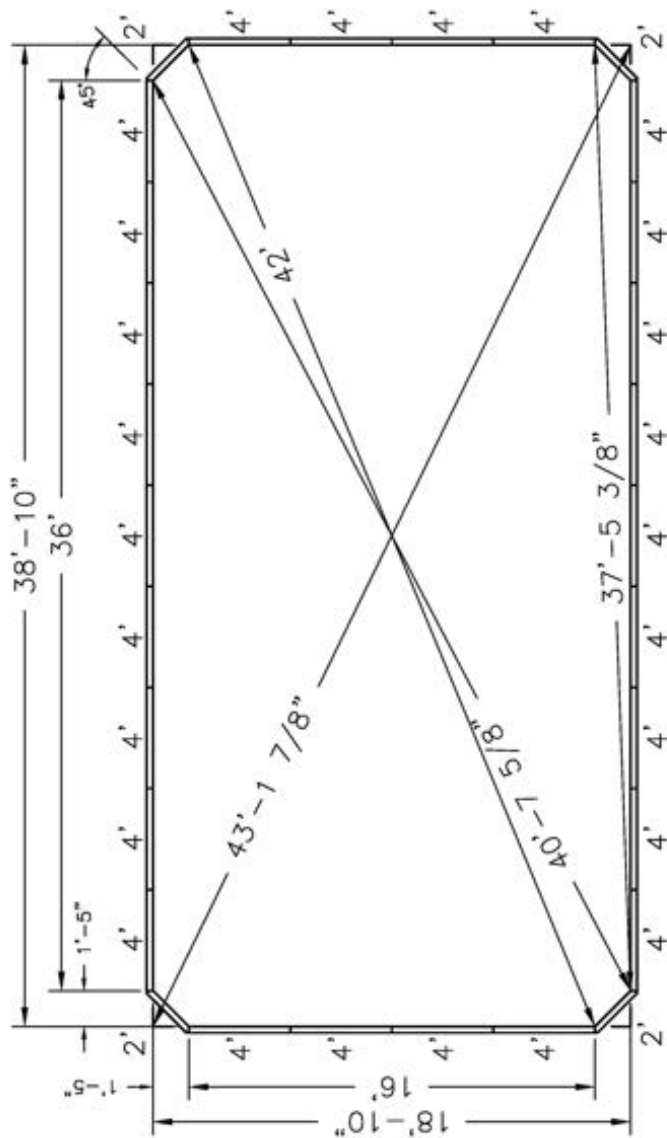
- NOTES:
1. ALL PANELS ARE 14 GAUGE STEEL
 2. POOL WALLS SHOULD ALWAYS BE INSTALLED ON VIRGIN SOIL OR COMPACTED BASE MATERIAL
 3. BUTTRESSES ARE LOCATED AT EACH JOINT ALONG EACH STRAIGHT WALL.
 4. IF USING PCW ADD 2 5/16" TO DIG DEPTH. BEAD TO FINISH REMAINS THE SAME.
 5. INSTALLATION TO BE IN ACCORDANCE WITH FOX POOL RECOMMENDATIONS.



Date: 11/04/2025	Perimeter: 104'-0 1/4"
Drawn By: S. WEIBLER	Area: 652 SQ. FT.
Scale: 3/16" = 1'-0"	Notes: ---

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Pool Size: 18' X 38'
Pool Shape: ULTIMATE MOD. RECTANGLE
Pool Number: UPMR1838 **Gallons:** 21,600
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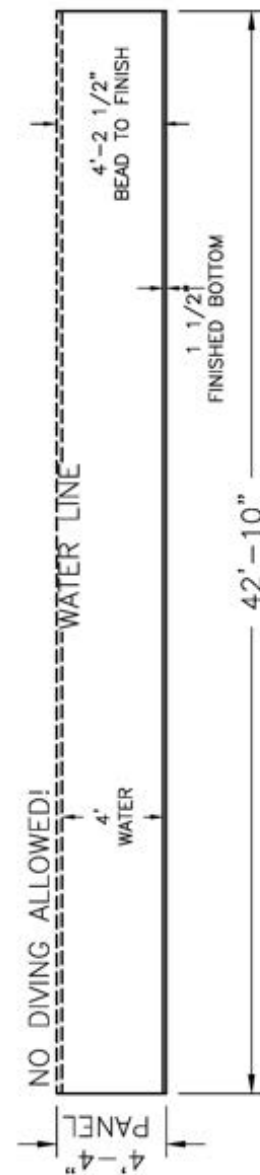
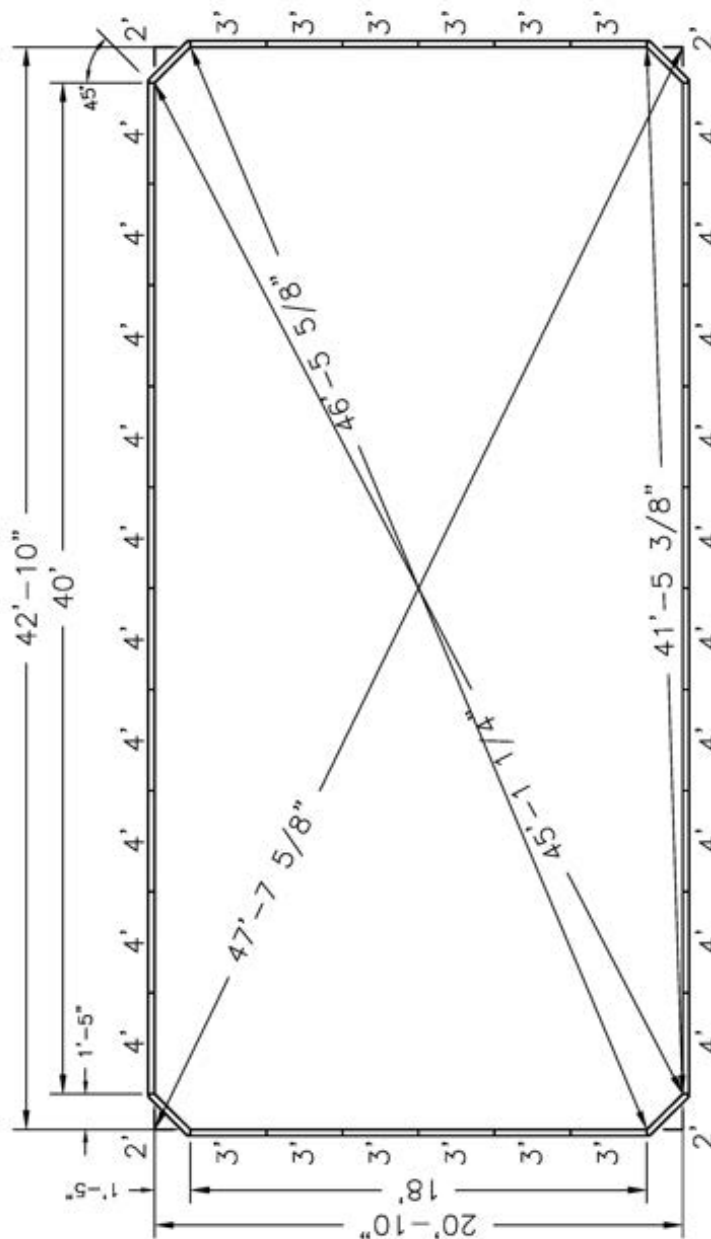
NOTE: THIS IS A NON DIVING POOL.

- NOTES:
1. ALL PANELS ARE 14 GAUGE STEEL
 2. POOL WALLS SHOULD ALWAYS BE INSTALLED ON VIRGIN SOIL OR COMPACTED
 3. BASE MATERIAL
 4. BUTTRESSES ARE LOCATED AT EACH JOINT ALONG EACH STRAIGHT WALL.
 5. IF USING PCW ADD 2 5/16" TO DIG DEPTH. BEAD TO FINISH REMAINS THE SAME.
 5. INSTALLATION TO BE IN ACCORDANCE WITH FOX POOL RECOMMENDATIONS.

Date: 11/04/2025	Perimeter: 112'-0 1/4"
Drawn By: S. WEIBLER	Area: 727 SQ. FT.
Scale: 3/16" = 1'-0"	Notes:
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Pool Size: 20' X 42'
Pool Shape: ULTIMATE MOD. RECTANGLE
Pool Number: UPMR2042
Gallons: 26,400
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NOTE: THIS IS A NON DIVING POOL.

- NOTES:
1. ALL PANELS ARE 14 GAUGE STEEL
 2. POOL WALLS SHOULD ALWAYS BE INSTALLED ON VIRGIN SOIL OR COMPACTED
 3. BASE MATERIAL
 4. BUTTRESSES ARE LOCATED AT EACH JOINT ALONG EACH STRAIGHT WALL.
 5. IF USING PCW ADD 2 5/16" TO DIG DEPTH. BEAD TO FINISH REMAINS THE SAME.
 5. INSTALLATION TO BE IN ACCORDANCE WITH FOX POOL RECOMMENDATIONS.

Date: 11/03/2025	Perimeter: 124'-0 1/4"
Drawn By: S. WEIBLER	Area: 888 SQ. FT.
Scale: 3/16" = 1'-0"	Notes:
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