

# Swim Spa Installation Guide

## Prior to Delivery:

There are a number of considerations to plan for when preparing for installation of a Swim Spa, such as physical location, electrical requirements and access to the unit for service and use. This guide is meant to help you consider the many options you have for installation.

- Safety:

This guide is meant to serve as a prompt for many areas of consideration when installing a Swim Spa. You must check with national and local building and electrical codes to ensure that the installation conforms to these codes. Failure to do this may result in the Swim Spa being installed in a manner that is unsafe. Improper installation can cause harm to both property and person.

- Size, Weight and Volume:

For model specific Swim Spa information about size, weight and volume, please see “Size, Weight and Volume Chart” and “Architectural Drawings” of this installation guide.

- Electrical Considerations:

The Swim Spa will require an electrical connection for the unit. This connection should be on its own independent circuit breaker and that circuit breaker must be a GFCI (Ground Fault Circuit Interrupter) if installed in North America or a RCD (Residual Current Device) if installed in Europe, Australia, New Zealand or other countries using a similar power supply. **THIS DEVICE MUST BE INSTALLED.**



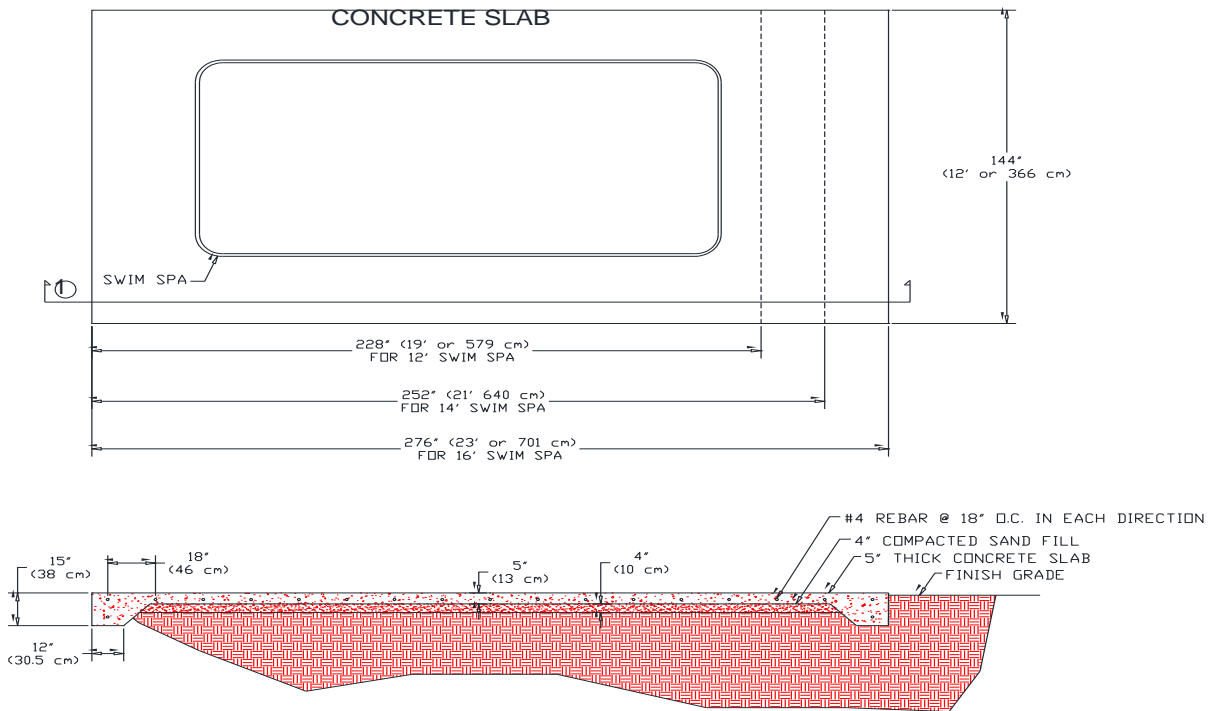
RCD



GFCI

- The electrical connection to the Swim Spa must be installed by a licensed and professional electrician that is familiar with your local codes and laws.

- Power Requirements:
  - Your Swim Spa will require an individual dedicated electrical circuit.
  - See “Electrical Requirement Chart” of this guide for model specific requirements
  - Proper electrical cable size is required for your Swim Spa.
  - Improper cable size or faulty electrical connections may result in damage or fire which is not covered by warranty.
  
- Physical Installation Site:
  - The Swim Spa must be uniformly supported on an adequate flat and level surface.
  
  - Concrete Slab:
    - Foundation - Verify soil bearing pressure can support 1000 Pounds/Foot<sup>2</sup> or 12206 Kilograms/Meter<sup>2</sup>.
    - Reinforcement - Consult with a concrete specialist or structural engineer to ensure that the concrete slab is reinforced with appropriate rebar and weld wire mesh if applicable according to local codes.
    - Concrete - Slab when cured must support a minimum of 2500 PSI or 175 kg/cm<sup>2</sup>.



① FONDATION SECTION

NOTE: THIS IS A REPRESENTATIVE DRAWING. CONSULT WITH A CONCRETE SPECIALIST OR STRUCTURAL ENGINEER TO ENSURE PROPER CONCRETE SLAB CONSTRUCTION.

- In order to have the Swim Spa installed on any other surface than a concrete foundation slab, you must consult with a structural engineer to confirm that the intended installation surface will support the weight of a Swim Spa filled with water, inclusive of the weight of the people that will be using the Swim Spa and any furniture or other items that will be in the support area.
- For an indoor installation of a Swim Spa you must consider the effects of high humidity and moisture on that environment as well as drainage for the water that will be splashed out of the Swim Spa during normal usage or during periodic service. While we do our absolute best to ensure a leak does not occur on your Swim Spa, you must consider that a possible leaking unit in an indoor environment may cause damage to the home, garage or Gazebo it is installed into. It is the customer's responsibility to ensure they have an installation that considers this possibility. MAAX Spas is not responsible for consequential damage to a home or other structure in the event that a leak should occur.
- Below Ground or below grade installation of a Swim Spa is possible, but will require extra work and preparation to ensure safe operation and use. This type of installation will require construction of a "vault"; Swim Spa units are not designed for installation into raw earth.
  - After excavating site for Swim Spa installation, ensure you have proper foundation for concrete slab by verifying soil bearing pressure can support 1000 Pounds/Foot<sup>2</sup> or 12206 Kilograms/Meter<sup>2</sup>.
  - Consult with a concrete specialist or structural engineer to ensure that the concrete slab is reinforced with appropriate rebar and weld wire mesh if applicable according to local codes.
  - Pour concrete slab so that when cured it must support a minimum of 2500 PSI or 175 kg/cm<sup>2</sup>.
  - Build poured concrete retaining wall or concrete block retaining wall to keep soil from eroding into the installation site. Height of retaining wall should be slightly above grade and sufficient to keep ground water from entering installation site. If necessary, perimeter drains should be utilized to direct ground water away from the installation site.
  - A service area must be established around the perimeter of the Swim Spa that will allow a service person to gain safe access to all serviceable areas of the Swim Spa to perform warranty service or routine maintenance when need arises.
  - An adequate gravity drain or sump pump system must be installed to remove water that may collect in the bottom of the vault due to rainfall, snowmelt, groundwater, or from the splashing that occurs during every day use. Failure to adequately evacuate water from the vault may result in damage to your Swim Spa that is not covered by warranty.

**Caution: Swim Spa units are not designed for installation into excavated earth. Installation in raw earth with back fill is not allowed and will void the Swim Spa Warranty.**

**Caution: Due to manufacturing tolerances and or changes to the product that are not available in the most recent version of documentation, it is important to verify the dimension of the actual Swim Spa being installed, especially if site planning and installation is critical.**

- Service Access:
  - Ensure that the Swim Spa is installed in a way that will allow for ease of service and routine maintenance. The end user will need access to clean filters on a monthly basis and to drain the Swim Spa every 4 months to clean vessel and replace water.
  - Ensure that operating equipment access panels can be removed and reinstalled once the Swim Spa is installed in its final location. Check the individual model specifications for the product you have selected to ensure access. Failure to do so may prevent your Swim Spa from being easily serviced should the need arise.
  
- Installation Site Access:
  - It is the responsibility of the homeowner and the contractor to ensure that there is an easily accessible way to install the Swim Spa. Refer to the architectural drawings in this guide for the dimensions and weight of the specific Swim Spa model to be installed to ensure there is adequate clearance for the unit to be brought in and installed.
  - Crane Installation – Due to the size and weight of the Swim Spa, it is always recommended that a crane be utilized for conveying the Swim Spa from the delivery vehicle to the installation site.
    - Ensure the crane will not hit or damage any overhead objects such as power lines, trees, signs, etc.
    - In advance of the installation, inform the crane company of the size and weight of the Swim Spa and the distance to be lifted and moved. It is imperative that the crane be properly sized for the installation.
    - Rigging must be attached to Swim Spa in locations marked on bottom side of each side.
    - When rigging the Swim Spa to the crane cables, ensure that webbing straps are wrapped completely under the Swim Spa Frame.

- The crane operator must use a spreader bar when rigging a Swim Spa.
- The crane operator must ensure that the Swim Spa does not get pinched by the supporting straps and or cables. This will result in damage to the Swim Spa that is not covered by warranty.
- Ensure that a crane can access the installation site. Common problems are narrow roads and uneven terrain. A small amount of preplanning on your part can prevent installation issues on delivery day.

- ELECTRICAL REQUIREMENT CHART

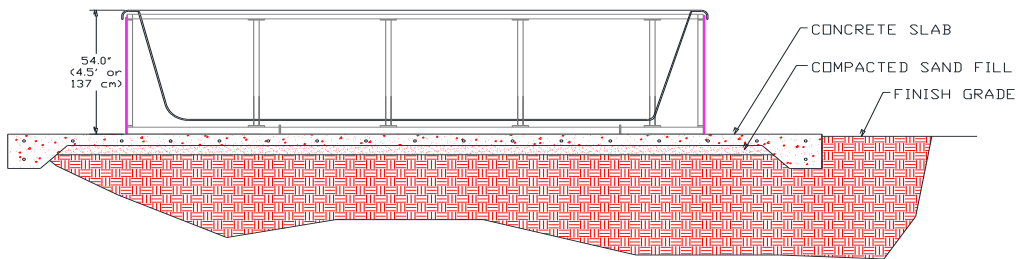
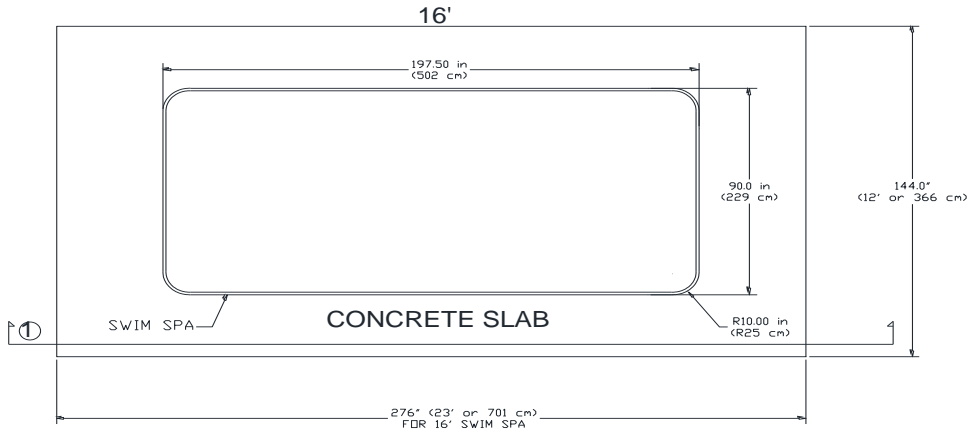
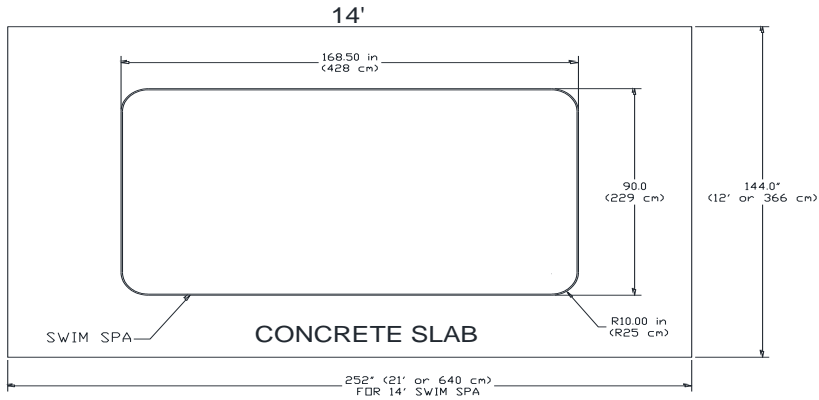
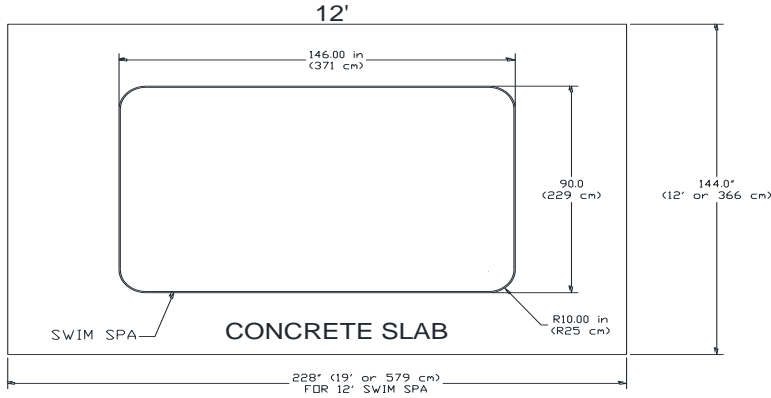
	Model	Number of Electrical Services Required	Configurations Supported		
			230V 40A	230V 50A	230V 60A
Swim Spa	XS1/RS1	1	✓	✓	✓
	XSR/RS2	1		✓	✓
	XL4/RL4	1	✓	✓	✓
	XB4/RB4	1	✓	✓	✓
	XSL/LT6	1	✓	✓	✓
	XSP/MT6	1		✓	✓
	XSD/DT6	1 (Pool Side)		✓	✓
	XSD/DT6	1 (Spa)	✓		

NOTE: XSD/DT6 model is a dual-temperature Swim Spa; it has a section for swimming and aquatic therapy and a separate hot tub section. Each section has its own equipment and will require an electrical circuit for each side. Both of these circuits must be protected by a GFCI or RCD.

- WEIGHT, VOLUME and SIZE CHART

	Model	Size			Empty Weight		Full Weight		Volume			
		Length	Width	Height	kg	lbs	kg	lbs	Liters		Gallons	
		(ft/cm)	(ft)	(ft)					Swim Zone	Hot Tub	Swim Zone	Hot Tub
Swim Spa	XS1/RS1	12' 371cm	7.5' 229cm	4' 127cm	1000	2200	6717	14808	5968	NA	1576	NA
	XSR/RS2	12' 371cm	7.5' 229cm	4' 127cm	1000	2200	6717	14808	5968	NA	1576	NA
	XL4/RL4	14' 428cm	7.5' 229cm	4' 127cm	907	2000	5987	13200	5300	NA	1400	NA
	XB4/RB4	14' 428cm	7.5' 229cm	4' 127cm	1000	2200	5170	11400	4353	NA	1150	NA
	XSL/LT6	16.5' 502cm	7.5' 229cm	4.5' 135cm	1247	2750	6690	14750	5678	NA	1500	NA
	XSP/MT6	16.5' 502cm	7.5' 229cm	4.5' 135cm	1360	3000	7166	15800	6056	N/A	1600	N/A
	XSD/DT6	16.5' 502cm	7.5' 229cm	4.5' 135cm	1360	3000	7166	15800	5678	378	1500	100

ARCHITECTURAL DRAWINGS



① FONDATION SECTION

NOTE: DUE TO MANUFACTURING TOLERANCES AND OR CHANGES TO THE PRODUCT, IT IS IMPORTANT TO VERIFY THE DIMENSION OF THE ACTUAL Swim Spa BEING INSTALLED.