

Section V

Site/ Slab Requirements

SITE PREPARATION

- 1.1** The unit (Model 500) must be installed on a solid, **level** surface capable of supporting a load of 425 lbs./sq. ft. (460 lbs./sq. ft. for Models 480 & 600, 650 Lbs/sq.ft for SX800S), for a total load of approximately 25,000 lbs. (30,000 lbs. for the Models 480 & 600S and 42,000lbs for the SX800S) when filled with water. This load is distributed over the length of the two center sections of the machine (approximately 6' x 12') after setting the machine on the rigid foam pads provided (see Blueprints). The machine *must* be installed on these foam pads regardless of the flooring being used. A concrete slab is recommended, but a variety of materials may be used if deemed structurally sound for the application intended.
- 1.2** The site must be accessible and have an opening large enough to bring in the sections of the unit. SwimEx recommends bringing in the sections and assembling the unit in the early stages of construction/remodeling for ease of assembly. **IF YOU HAVE A MINIMUM OPENING OF 48" x 84" AND A FRAME DEPTH OF NO MORE THAN 3', WITH NO OBSTRUCTIONS ON EITHER SIDE (IE. HALLWAYS, CORRIDORS, WALLS ETC.), YOU SHOULD NOT HAVE A PROBLEM BRINGING IN ANY OF THE PIECES.** If your opening is smaller than these dimensions, there are options including a "multiple sectional" design pool. Blueprints of this multi-sectional pool are included in the "Blueprint" section of this manual.

The two mid-sections (Sections U2 & U3, See Blueprints) are "U" Shaped with the dimensions 83" long x 60" high (70" for the 480 & 600) x 92" wide. These sections can be stood on end to fit through a 38" wide opening with a minimum height of 84". There must be a clearance of 6' (6'6" for Models 480 & 600) on one side of the opening. Also, openings that directly lead into narrow corridors may make passage impossible, and must be avoided. **For the Model 800S please call for opening dimensions.**

The paddlewheel section (Section U1) comes pre-assembled with the paddlewheel components installed. This section requires an opening width of 48". If your situation deems it necessary, the paddlewheel and seal mount components can be removed or shipped unassembled (upon request only) enabling passage through a 38" wide opening. In order to keep the warranty intact, a supervisor from SwimEx must reassemble the paddlewheel seal system on site. Call SwimEx for details: 800-877-7946.

The front end cap (Section U4, Diagram 1) is 24" wide x 60" high and will pass through any openings that the other sections were able to pass through.

- 1.3** For below-grade installations, a perimeter foundation and retaining wall must surround the SwimEx. The unit must never be "back-filled". The inside dimensions of the "pit walls" must have 18" of clearance all around the machine for the **assembly** process.

SITE PREPARATION CONTINUED...

To provide a space to perform assembly and for routine service and maintenance, SwimEx recommends a **minimum** 12' x 20' pit area. If you have smaller dimensions, consult SwimEx. (See Blueprints, for overall length and width dimensions.) A floor drain must be provided to protect the pit from filling with water and damaging the equipment. Locating the heater, pump and filter near a drain is also recommended. (See Plumbing Section)

NOTE: 18" CLEARANCE MUST REMAIN AROUND THE END OF THE PADDLEWHEEL SHAFT FOR FUTURE REMOVAL OF GEARMOTOR. DO NOT PLACE DECK SUPPORTS OR BEAMS WITHIN 18" OF THE END OF THE SHAFT.

For above-ground installations, 18" of clearance all around the machine is also recommended for ease of assembly and service.

1.4 Plumbing needs: The SwimEx features a self-contained water filtration system. Site planning should incorporate a water supply source and a water draining system. (See Diagram located in the rear of the Plumbing Section.)

1.5 Electrical requirements must be referred to a licensed electrician. (See Diagrams located in the rear of the Electrical Section.)

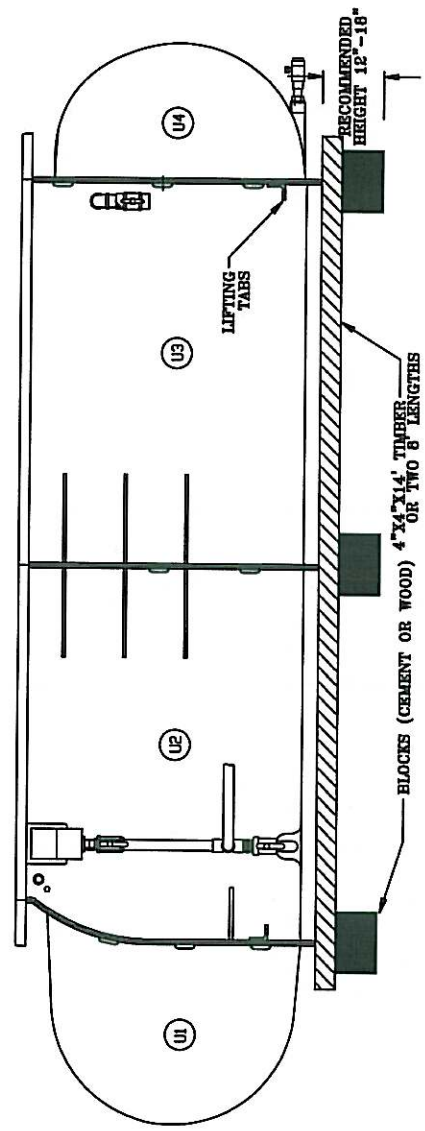
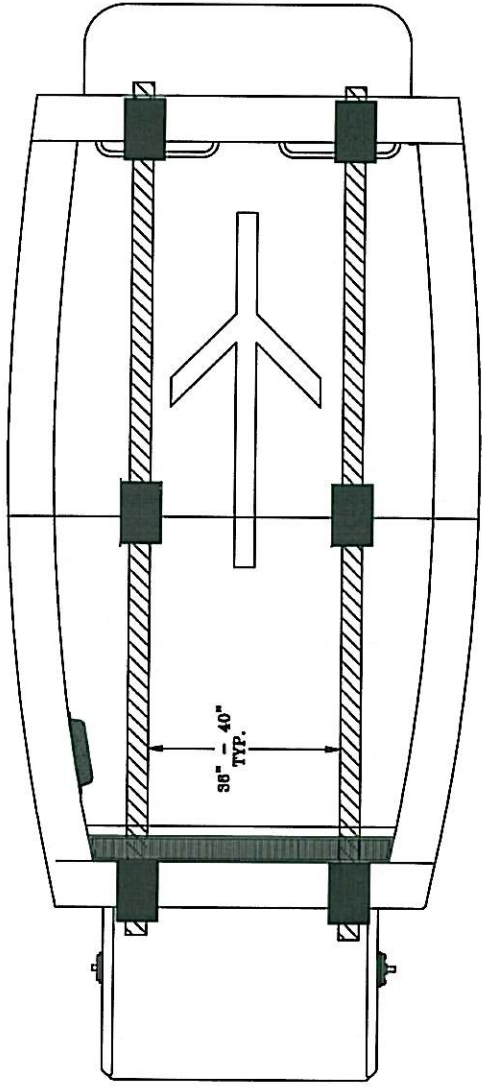
MOVING SECTIONS AND EQUIPMENT ON SITE

- 2.1 The units, shipped via common carrier, are secured on pallets and must be "off-loaded" using material handling equipment. SwimEx recommends a forklift capable of lifting 1500 lbs. (minimum) **with a minimum of 5' forks**. Moving the sections and equipment into place requires six to eight people, or adequate equipment, and should be coordinated to coincide with the assembly process to maximize manpower.
- 2.2 Sections U1 and U4 are to be stood on end and can be worked through your site-access route to the assembly area through the use of a dolly, sliding mat, or by carrying the sections.
- 2.3 Sections U2 and U3 are brought to the assembly site as described above. (See Section 1.2 for access dimensions.)
- 2.4 Bring all other parts and equipment necessary for assembly to the assembly area. All tools, platform equipment, jacks, etc. should be on site. (See SwimEx Tool List in Pool Assembly Section.)
- 2.5 At this time, check the round, rubber gasket on the side flanges of the sections (See Diagram in Pool Assembly Section). Make sure these gaskets are secured in the channel. If they become loose or pull away, they must be re-secured. A small amount of "super glue" can be used to re-bond the gasket into the channel.
- 2.6 Sections U2 and U3 are to be assembled first. At this point, the decision about which way to face the machine must be finalized. The arrow on the floor of Section U3 denotes the direction the swimmer faces when using the SwimEx.

ASSEMBLY PREPARATION

- 3.1** Read this entire manual before planning the assembly. Unload and unpack all the shipped items. Check the items against the packing sheets to ensure that all the items are accounted for, and to familiarize yourself with the equipment and parts.
- 3.2** SwimEx recommends an assembly team of four people during the assembly process. Moving the sections into place may be done with less people if using a dolly or a sliding mat. However, when positioning and "bolting" the sections together, a minimum of four people are needed.
- 3.3** The SwimEx design requires access to the underside of the unit during assembly. This will require assembling the unit on a removable support system with a 12" - 18" ground clearance under the unit. SwimEx recommends using 4 - 4" x 4" x 8' (or 2 - 4" x 4" x 14') timbers and blocks (cement or wood) to assemble the unit, and 4 jacks to lower the assembled unit. Lifting tabs are supplied to assist with lowering the unit onto the foam pads after assembly.
- 3.4** Plan the exact location of where the SwimEx will finally rest. Refer to the Blueprints Section of the Manual to mark where the foam pads are to be set. Your "raised" support system should be set up so as to enable the most access to the underside during assembly. Once assembled, the unit can be lowered from the support system onto 4 dollies, and then moved to the final desired location within the pit area where it can then be lowered onto the pads. It is also possible to assemble the unit elsewhere and "hoist," or move, the unit with a crane onto the pads. Feel free to send SwimEx a copy of your floor/room plan or blueprints for our help, suggestions, and/or comments.

REMOVABLE ASSEMBLY SUPPORTS



| NO. | PART NO. | DESCRIPTION | QTY |
|---|----------|-------------|-----|
| PARTS LIST | | | |
| PROJECT: REMOVABLE ASSEMBLY SUPPORTS | | | |
| TITLE: SWIMEX INC ASSEMBLY MANUAL | | | |
| DWG NO. A | | | |
| REV A | | | |
| PART # N/A/ | | | |
| DR BY: M.P.F. | | | |
| DATE: _____ | | | |
| FILE: OWNMAN | | | |
| SCALE: _____ | | | |
| SHEET: 1 OF 1 | | | |

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| SWIMEX, INC | |
| 946 Airport Rd. Fall River, MA 02720 | |
| TEL (508) 646-1600 FAX (508) 675-0525 | |
| UNLESS OTHERWISE SPECIFIED: | |
| X .XX ANGLES | MACHINED SURFACE FINISHES 12/ |
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| ALL DIMENSIONS IN INCHES | |
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