

SPECIFICATIONS

D. R100 ("zero depth") Perimeter Recirculation System

A factory fabricated straight or radial curved perimeter overflow system consisting of a PVC covered stainless steel overflow channel and integral filtered water supply channel according to the details shown on the project drawings shall be supplied around the entire pool perimeter, or a section of the perimeter as shown on the project drawings. **Field fabricated sections, or mitered straight sections, shall not be acceptable.** The system shall be the R100 Perimeter as manufactured by Paddock Pool Equipment Co., Inc., of Rock Hill, South Carolina.

D.01 Anchorage

The entire perimeter overflow system section shall be anchored to the pool structure with commercial quality threaded stainless steel rods (or U-bars, if shown on the drawings) installed as shown on the plans and fastened to the pool reinforcing steel, thus forming a continuous perimeter section. These anchors shall be placed at the corners and on a maximum of 4-foot centers around the pool.

D.02 Filtered Water Supply Channel

The filtered water return tube shall be recessed below the deck level with **integral adjustable flow inlet fittings** placed not less than 36" o.c. or as shown on the project drawings. Inlet orifices shall be flush with the top of the supply tube. The fittings shall be set to provide a stream of filtered chlorinated water on a fixed angle at the required flow rate to create a fountain effect above the water surface. The filtered water supply channel shall be machine welded using the TIG process by the manufacturer in his plant and pressure tested prior to shipment. Field welded pressure conduits shall not be acceptable.

D.031 Zero Depth Entry Overflow Channel

The zero depth entry area shall feature a stainless steel overflow channel protected by PVC grating to receive waves from the pool. The top of the channel shall be at deck level and shall not present a trip hazard to swimmers entering the pool.

D.04 Materials

The R100 Perimeter sections shall be fabricated entirely from stainless steel with a finish similar or equal to a #3 polished (100 mesh abrasive) finish. Material shall be as shown on the plans. The 1 1/2" X 3/16" angle anchors and all stiffener brackets shall be stainless steel.

D.05 Finish

The low carbon stainless steel R100 System components shall be cleaned and polished as required to present a substantially uniform finish.

D.06 Accessories

The perimeter system shall be fitted with stainless steel converters, jet wash fittings, etc., as necessary to achieve proper performance and design. Quantities, locations, and descriptions shall be as shown on the plans.

D.07 Guarantee

The equipment manufacturer shall guarantee in writing that if the system is operated in accordance with written instructions given and accepted by the Owner, it will perform in complete accord with the specifications.

D.08 Installation

All work covered under this section shall be performed by an authorized licensee of the manufacturer or by the manufacturer acting as a subcontractor to the Pool Contractor. All installation is to be performed by a welder with at least five years experience in the field welding stainless steel recirculating systems. Strict procedures for welding, brushing, blending, testing, and cleaning shall be provided by the manufacturer. The pool contractor shall perform all required grouting and caulking of the R100 Perimeter as shown on the plans.

D.09 Engineering Services

The pool contractor shall supply the services of a competent and experienced field engineer to test and inspect the completed installation, place it in operation, and given operating instructions relative to its care and use.