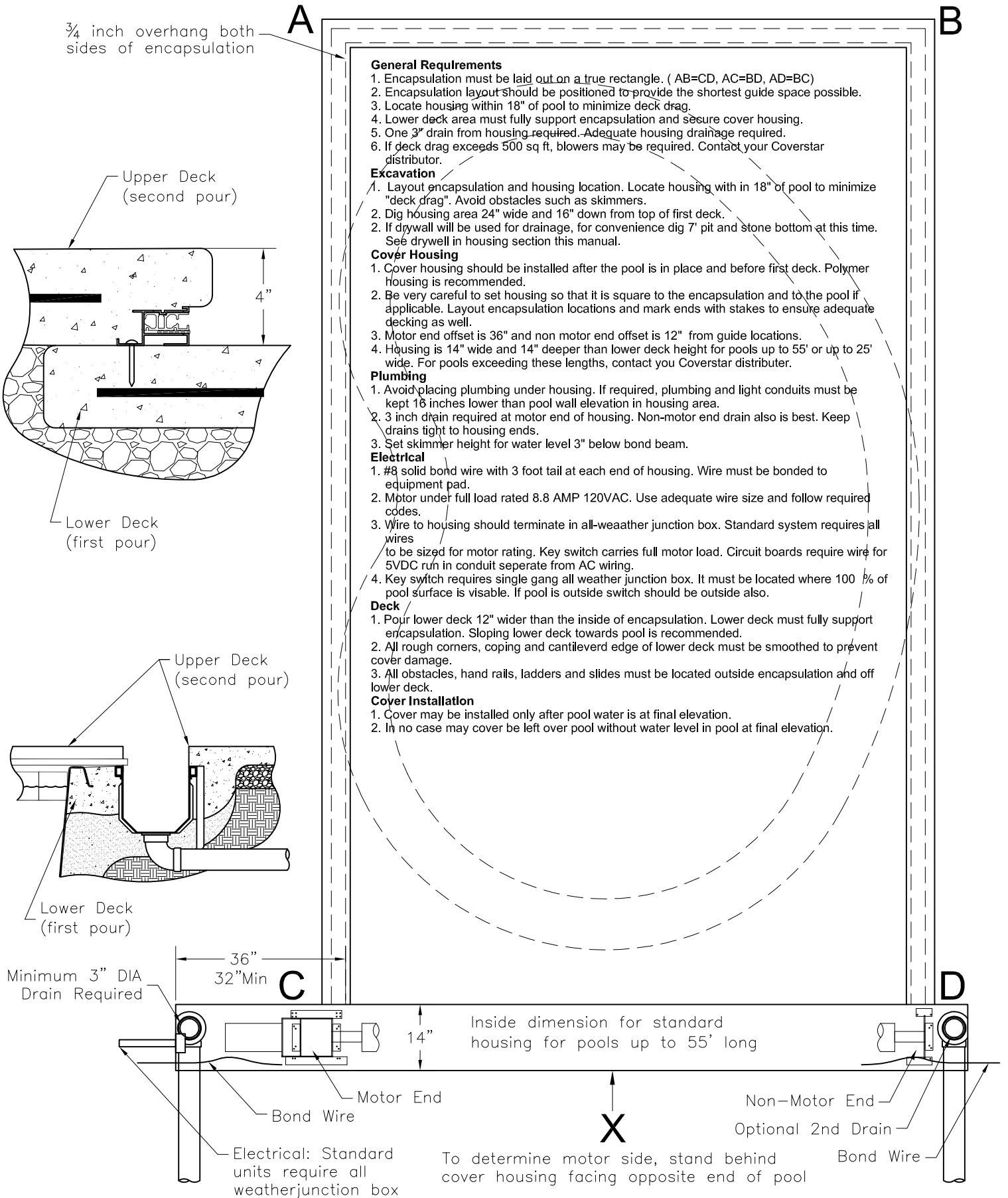


Pool-in-Pool Underguide System For Free Form Pools Only



3/4 inch overhang both sides of encapsulation

General Requirements

1. Encapsulation must be laid out on a true rectangle. ($AB=CD$, $AC=BD$, $AD=BC$)
2. Encapsulation layout should be positioned to provide the shortest guide space possible.
3. Locate housing within 18" of pool to minimize deck drag.
4. Lower deck area must fully support encapsulation and secure cover housing.
5. One 3" drain from housing required. Adequate housing drainage required.
6. If deck drag exceeds 500 sq ft, blowers may be required. Contact your Coverstar distributor.

Excavation

1. Layout encapsulation and housing location. Locate housing within 18" of pool to minimize "deck drag". Avoid obstacles such as skimmers.
2. Dig housing area 24" wide and 16" down from top of first deck.
2. If drywall will be used for drainage, for convenience dig 7" pit and stone bottom at this time. See drywell in housing section this manual.

Cover Housing

1. Cover housing should be installed after the pool is in place and before first deck. Polymer housing is recommended.
2. Be very careful to set housing so that it is square to the encapsulation and to the pool if applicable. Layout encapsulation locations and mark ends with stakes to ensure adequate decking as well.
3. Motor end offset is 36" and non motor end offset is 12" from guide locations.
4. Housing is 14" wide and 14" deeper than lower deck height for pools up to 55' or up to 25' wide. For pools exceeding these lengths, contact you Coverstar distributor.

Plumbing

1. Avoid placing plumbing under housing. If required, plumbing and light conduits must be kept 16 inches lower than pool wall elevation in housing area.
2. 3 inch drain required at motor end of housing. Non-motor end drain also is best. Keep drains tight to housing ends.
3. Set skimmer height for water level 3" below bond beam.

Electrical

1. #8 solid bond wire with 3 foot tail at each end of housing. Wire must be bonded to equipment pad.
2. Motor under full load rated 8.8 AMP 120VAC. Use adequate wire size and follow required codes.
3. Wire to housing should terminate in all-weather junction box. Standard system requires all wires to be sized for motor rating. Key switch carries full motor load. Circuit boards require wire for 5VDC run in conduit separate from AC wiring.
4. Key switch requires single gang all weather junction box. It must be located where 100 % of pool surface is visible. If pool is outside switch should be outside also.

Deck

1. Pour lower deck 12" wider than the inside of encapsulation. Lower deck must fully support encapsulation. Sloping lower deck towards pool is recommended.
2. All rough corners, coping and cantilevered edge of lower deck must be smoothed to prevent cover damage.
3. All obstacles, hand rails, ladders and slides must be located outside encapsulation and off lower deck.

Cover Installation

1. Cover may be installed only after pool water is at final elevation.
2. In no case may cover be left over pool without water level in pool at final elevation.

Inside dimension for standard housing for pools up to 55' long

To determine motor side, stand behind cover housing facing opposite end of pool