

## TOOLS NEEDED

- |                     |                                    |                            |                       |
|---------------------|------------------------------------|----------------------------|-----------------------|
| 1. Cordless drill   | 2. 12" Torpedo level               | 3. 1/2" Round bastard file | 4. Hammer             |
| 5. 25' & 100' tapes | 6. 100' string                     | 7. Box knife               | 8. Drill bits: 11/64" |
| 9. Chop saw         | 10. Wrenches/sockets: 7/16", 9/16" |                            |                       |

## STEP 1: LAYING OUT COPING & RETAINER (VLR)

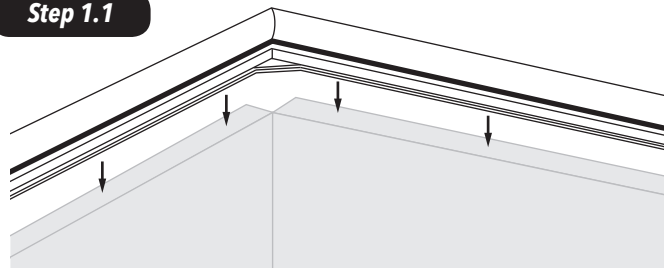
### INSTRUCTIONS

A standard coping system consists of:

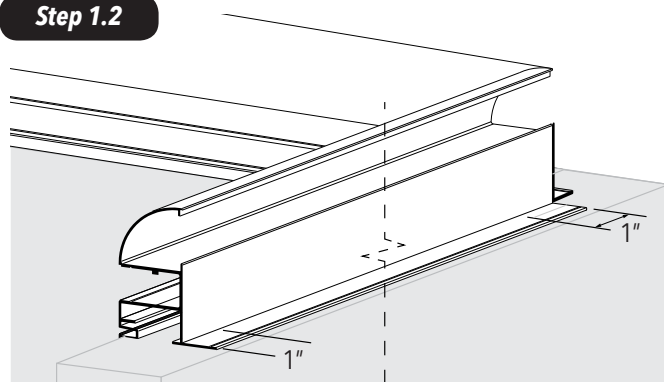
- 2 prefabricated opposite end corners (coping only)
- 2 prefabricated mechanism end corners (coping and wall cap)
- Several pieces of straight coping (depending on pool size)
- Coping clips

- 1.1 Place each opposite end corner piece in a corner at the opposite end of the pool. Ensure the bead receiver lip is against the inside surface of the wall.
- 1.2 Fasten both corners to the wall flange with TEK screws, beginning 1" from each end on the line, and approximately every 16"-18" between.
- 1.3 Place each mechanism end corner piece in a corner at the mechanism end of the pool. Again, ensure bead receiver lip is against the inside surface of the wall.
- 1.4 Fasten both corners to the wall flange with TEK screws, beginning 1" from each end on the line, and approximately every 16"-18" between.

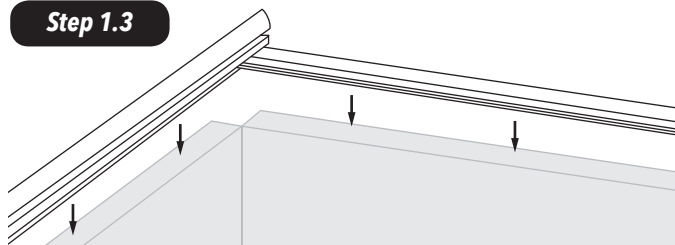
**Step 1.1**



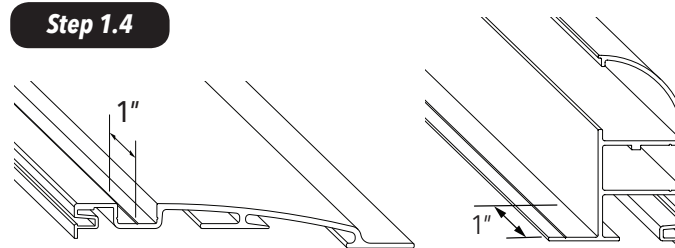
**Step 1.2**



**Step 1.3**



**Step 1.4**



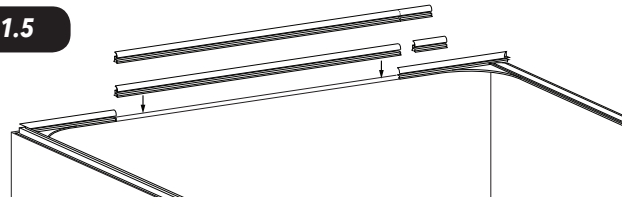
## INSTRUCTIONS (CONTINUED)

- 1.5 With the corners secured, place straight pieces of coping in the gaps between the corners. Measure and use a chop saw to cut each piece as necessary to achieve even lengths. Fasten each piece with TEK screws starting 1" from each end, and every 16"-18" between.
- 1.6 Install clips wherever two pieces of coping meet. Hook the clip on the back of the coping, evenly straddling the splice, and push down until it clicks, and lies flat on the coping.
- 1.7 Measure the gap left between the mechanism end corners and cut straight piece of wall cap to fit. Fasten wall cap to wall flange with TEK screws starting 1" from each end, and every 16"-18" between.

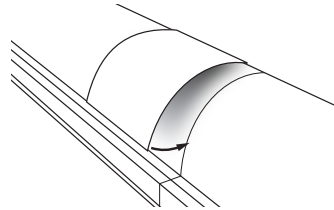
Note: Clips must be equal on both sides of pool.

Note: Caulk or tape backside of coping to prevent leakage.

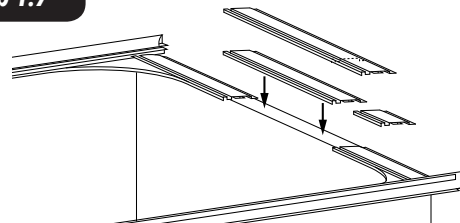
**Step 1.5**



**Step 1.6**



**Step 1.7**



## STEP 2: POLYMER BOX INSTALLATION

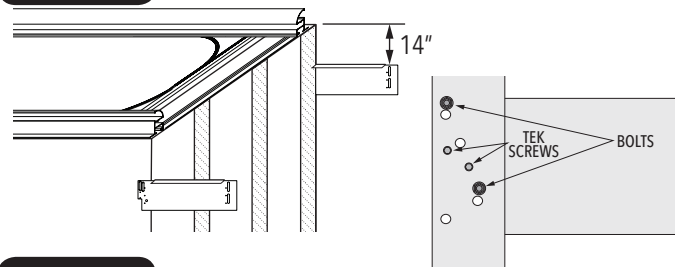
### INSTRUCTIONS

The polymer box system consists of:

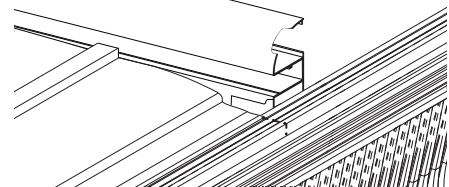
- 1 box section with a pre-installed box end
- Several more box sections (depending on width of pool)
- Box support brackets and hardware

- 2.1 Install steel box support brackets to the side of wall seams no higher than 14" using supplied hardware.
- 2.2 Locate motor end box section with pre-installed box end. Align mark on section with interior edge of coping on whichever side is intended to house motor (left or right.)
- 2.3 Slide polymer box onto lip of wall cap. Maintain the same spacing, from side to side, between the polymer box rail and wall cap.

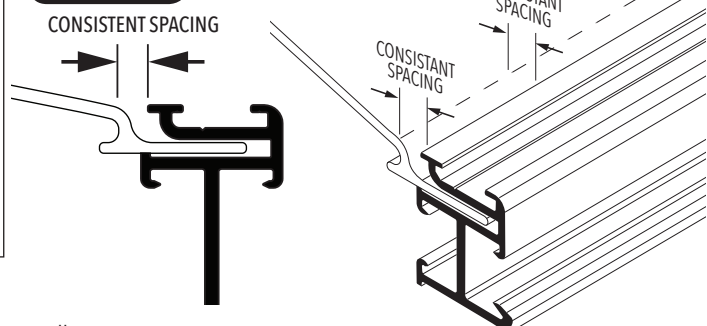
**Step 2.1**



**Step 2.2**



**Step 2.3**



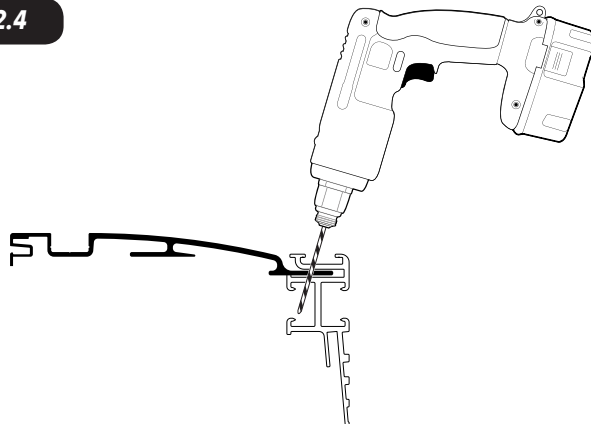
## INSTRUCTIONS (CONTINUED)

- 2.4 Starting 1" from end, drill a pilot hole through aluminum box rail and wall cap. Fasten with TEK screw. Repeat at other end, and space fasteners every 16"-18" between. For best results drill pilot hole at angle shown.
- 2.5 Slide box splice pieces into channels inside box rails as shown.
- 2.6 Slide next box section onto wall cap. Align with previous piece and position splices. Tighten bolts to secure splice.
- 2.7 Drill pilot holes and fasten to wall cap with TEK screws 1" from each end and every 16"-18" between.

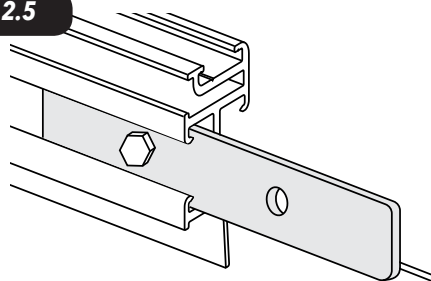
**Note:** Each section nests into the flared end of the piece before it.

- 2.8 After last box section is installed, fastened, and spliced, install spring nut into back side of box rail above each box support bracket. Attach vertical support to box and to box support bracket below. Level box and tighten support hardware.

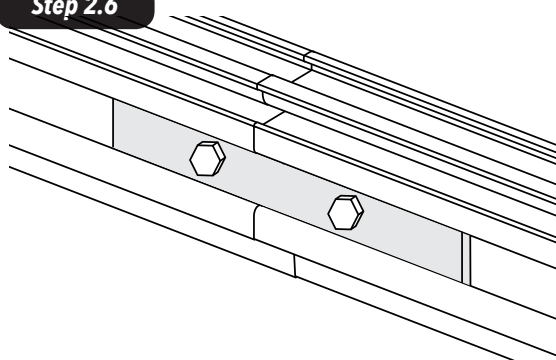
**Step 2.4**



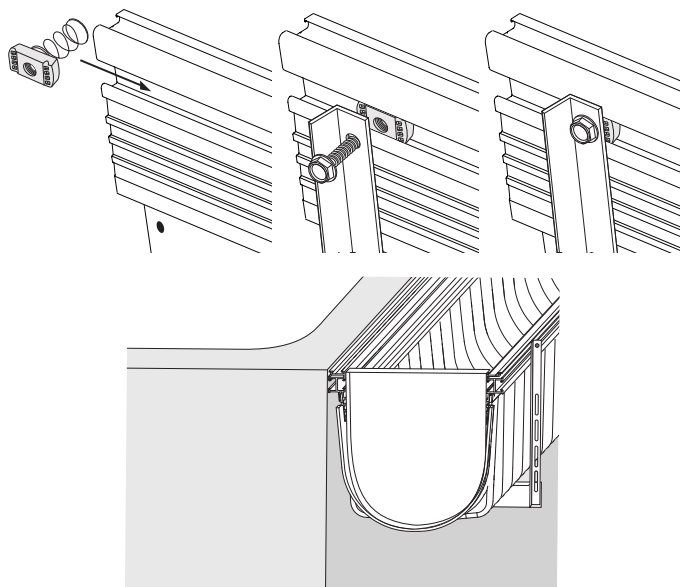
**Step 2.5**



**Step 2.6**



**Step 2.8**



## STEP 3a: STANDARD RISER w/RFC EXTENSION

### INSTRUCTIONS

**Note: If not using Reusable Form Coping (RFC) or Stone Lid Riser (SLR) systems, proceed to step 3.b**

3a.1 Install supplied end plates to the RFC or SLR and fasten to both riser and retainer.

**Note: If using Stone Lid Riser (SLR), proceed to step 3b.1.**  
**If using Reusable Form Coping (RFC) continue with step 3a.2**

3a.2 Cut a 32" riser extension for the motor side and secure to the top of the polymer box using 1/2" TEK Screws.

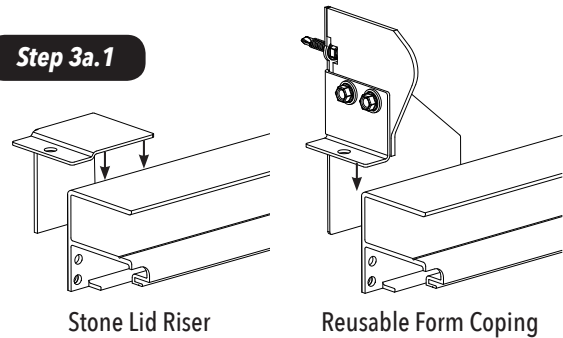
3a.3 Cut a 8" riser extension for the opposite side and secure to the top of the polymer box using 1/2" TEK Screws.

3a.4 Attach the remaining riser extension across the back of the polymer box using 1/2" TEK Screws.

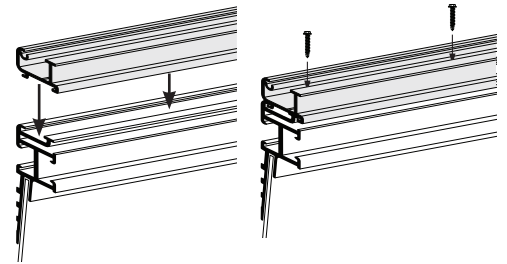
3a.5 Proceed to Step 3b.

**Note: TEK screws are intended only to hold riser extension in place. When installed along line on base of riser, it should not penetrate the rail.**

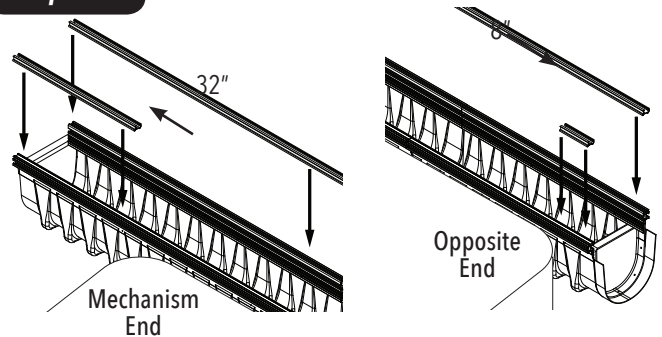
#### Step 3a.1



#### Step 3a.2 & 3a.3



#### Step 3a.4



## STEP 3b: STANDARD RISER & SLR INSTALLATION

### INSTRUCTIONS

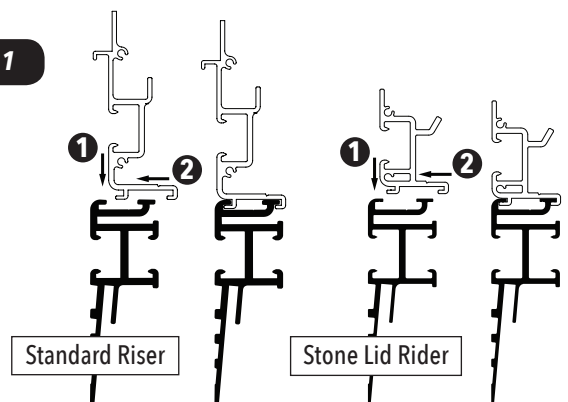
The Riser System consists of:

- Mechanism End Riser (32")
- Opposite End Riser (8")
- Straight Pieces
- 2 Riser End Plates

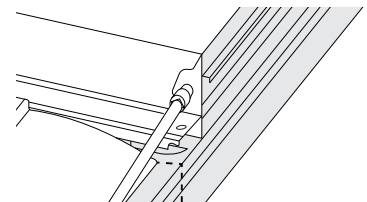
3b.1 Place 2'8" riser on the front side of the polymer box on the motor end. Riser will nest into aluminum top rail of box as shown. Place 8' riser in same manner at opposite end.

3b.2 Fasten to outside of coping with 1" TEK screws. TEK screws will go through pre-drilled holes in outside of coping into channels in riser. Repeat with opposite end riser.

#### Step 3b.1



#### Step 3b.2



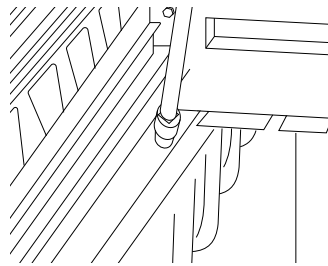
## INSTRUCTIONS (CONTINUED)

- 3b.3 Fasten riser in place with 1/2" TEK screws 1" from both ends and 16"-18" between.

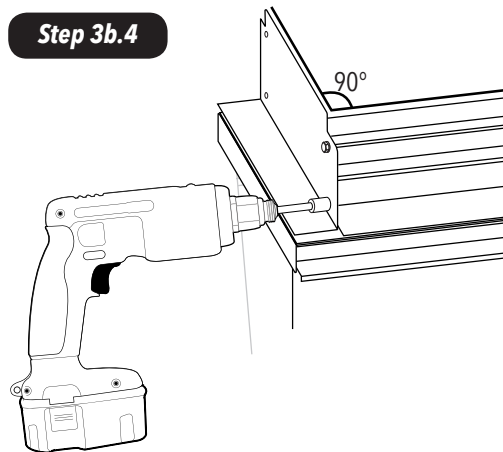
**Note:** TEK screws are intended only to hold riser in place. When installed along line on base of riser, it should not penetrate the rail. Repeat with opposite end riser.

- 3b.4 Fasten riser end plate to mechanism end riser piece through pre-drilled holes in plate and into channels in riser with 1" TEK screws.
- 3b.5 Place full length piece of riser on top of aluminum rail on back side of box so that riser end plate forms 90° to both front and back riser sections. Fasten in place with 1/2" TEK screws 1" from both ends and every 16"-18" between.
- 3b.6 Fasten remaining riser end plate to 8" riser piece on front of box at opposite end. Ensuring 90° angles, measure and cut with a chop saw. Place the last piece of riser on back side of box. Fasten with 1/2" TEK screws.

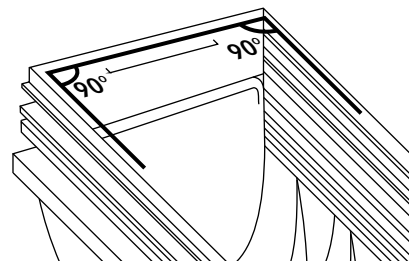
**Step 3b.3**



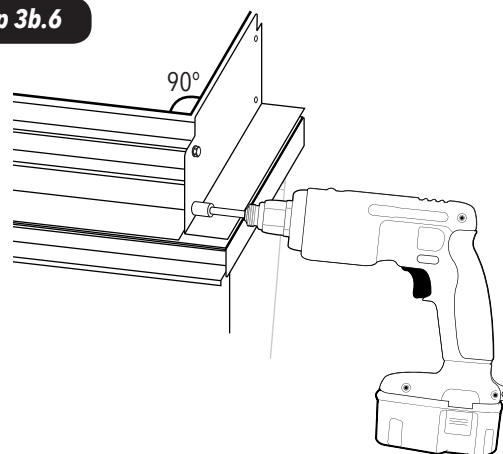
**Step 3b.4**



**Step 3b.5**



**Step 3b.6**



## STEP 4: REUSABLE FORM COPING

### INSTRUCTIONS

#### IF NOT USING RFC, PROCEED TO STEP 5

This section will cover the basic installation of a reusable concrete form system for use with THREE•SIXTY•FIVE applications. Including, forms, shims, locking splices, locking corner brackets, as well as the end plates that will bridge between forms and the riser.

Each section of the forms locks into the retainer and is held in place with shims.

##### 4.1 Corners

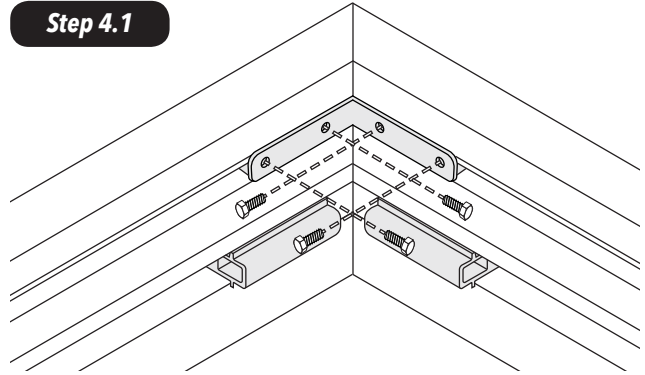
Locate the mitered corner pieces of form and place locking splices in each piece. Place form with splices into retainer and secure with shims.

##### 4.2 Sides

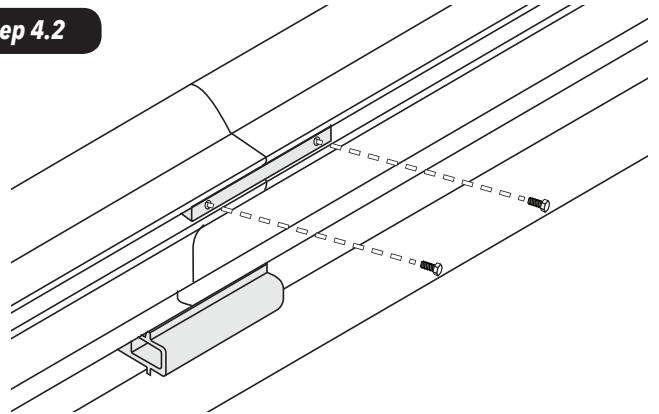
With corners assembled, fill in the remaining lengths of retainer with reusable forms. Secure each butt joint with a shim underneath and a locking splice in the front channel. Trim forms to match retainer lengths exactly.

Note: Use a chop saw if any cuts are necessary.

Step 4.1



Step 4.2



## STEP 5: LID INSTALLATION

### INSTRUCTIONS

The lid system consists of:

- Lid brackets
- Lid
- Lid end

5.1 Install lid brackets in riser on back side of box, evenly spaced within the track width.

**Tip:** Placing one bracket across the butt joint of the riser pieces will help keep pieces firmly aligned.

5.2 Level all lid brackets.

5.3 To ensure the polymer box keeps its form while the concrete is poured, insert the box supports in the top rails of the polymer box. Insert 2 box supports in each section of polymer box.

5.4 Place lid in riser as shown.

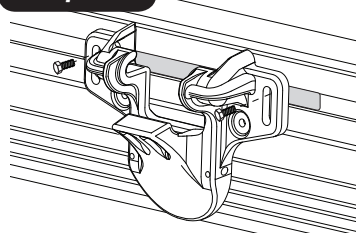
#### IMPORTANT: Do not cut lid

5.5 Measure remaining space for the mechanism end lid and trim accordingly. Install mechanism end lid.

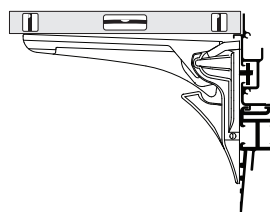
**Tip:** To help keep the risers properly spaced while the concrete is poured, turnbuckles (MZ-0009) are available. These will help increase or decrease the space between the front and the back of the riser and ensure the lid fits properly.

5.6 Check to make sure the box is properly leveled.

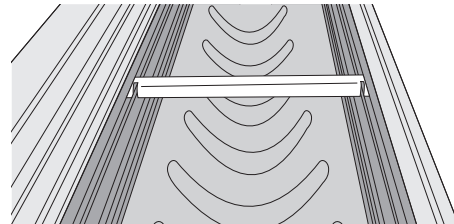
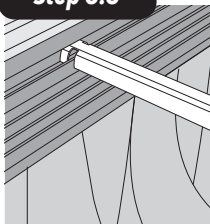
Step 5.1



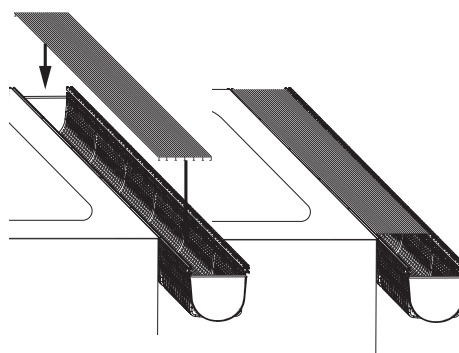
Step 5.2



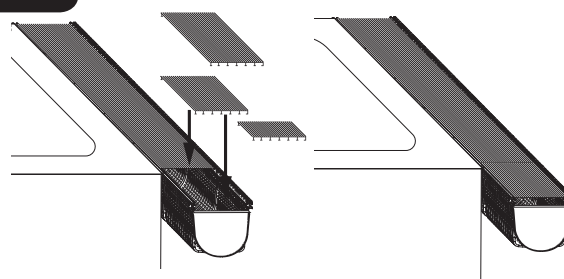
Step 5.3



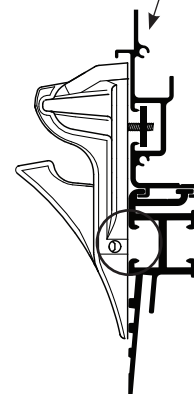
Step 5.4



Step 5.5



Keep a 1/8" gap from top of the base to lip of the riser.



### TECHNICAL SUPPORT

If you have any questions about these installation procedures, please contact Technical Support (800) 878-5789 Monday through Friday, 8 am - 5 pm EST.

**Automatic Pool Covers, Inc.**

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