



DIY PATIO COVERS

INSTALLATION GUIDE

ALUMI-KIT INC.

THE MAIN SOURCE OF
PATIO COVER KITS

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TEL: 954-519-3908



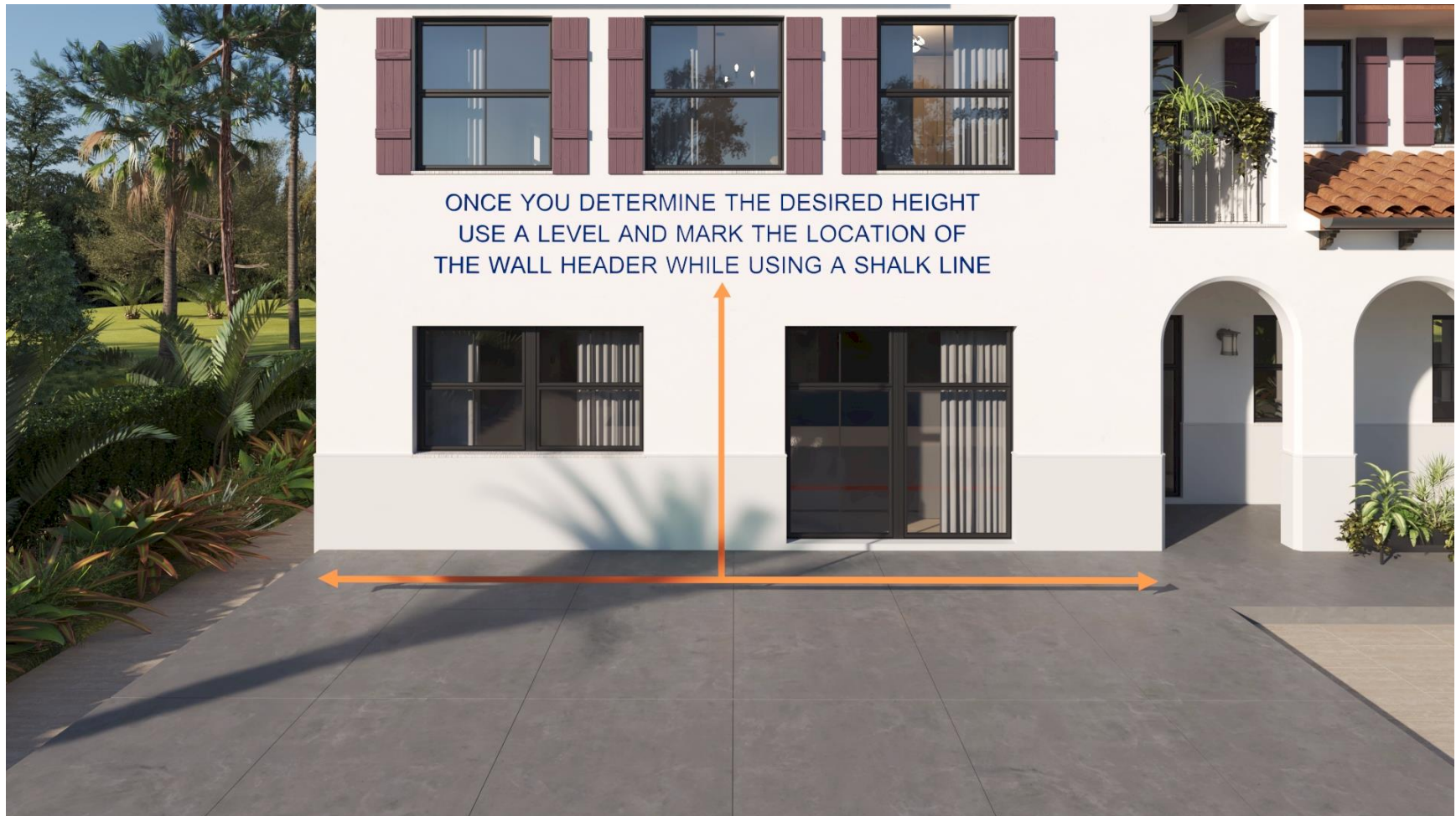
Plan the desired location for your aluminum pergola.

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Measure the width of the desired location; in this case, it's 24 feet.

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Determine the height of your C-channel, use a level, and mark it with a chalk line.

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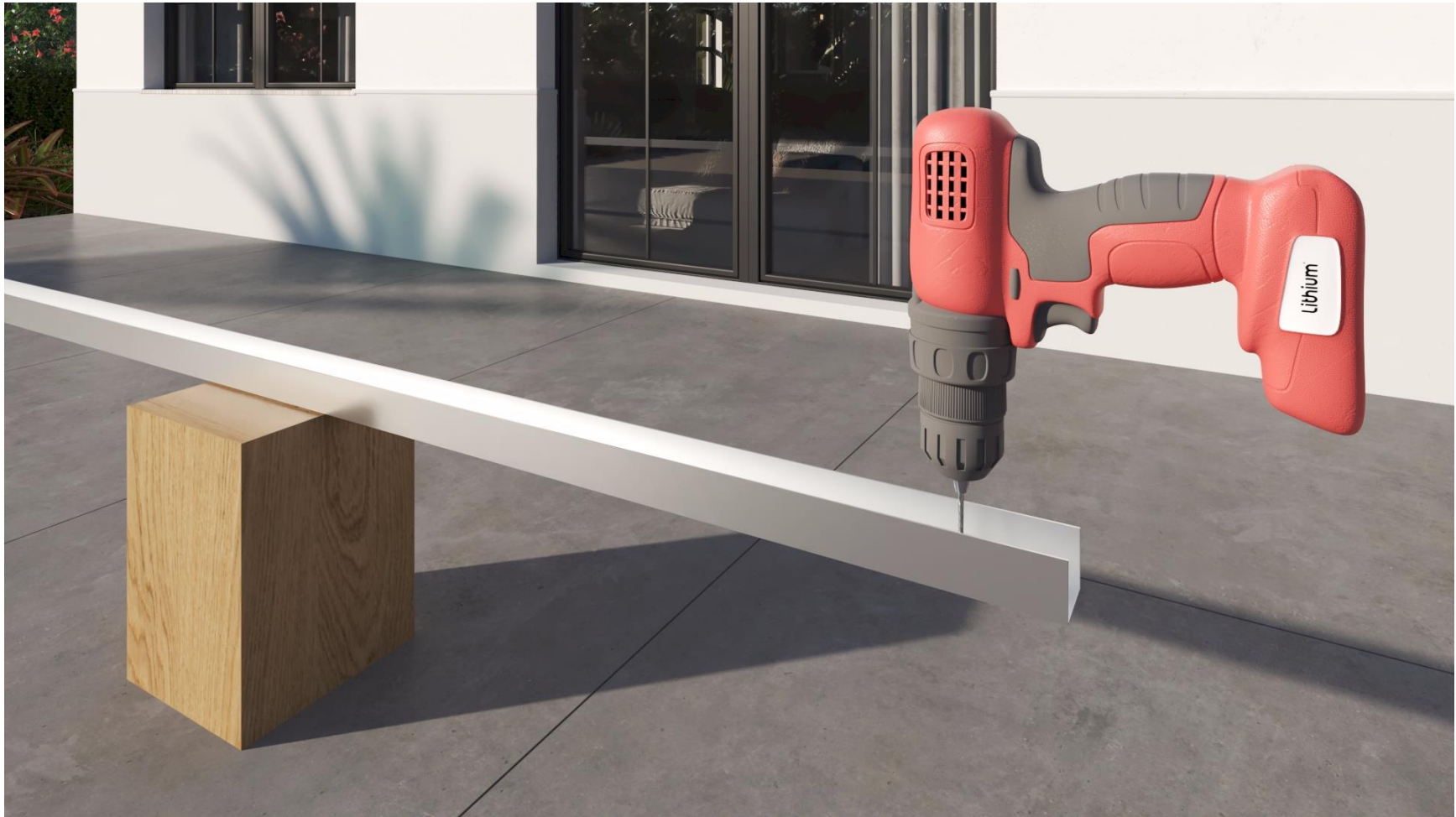
Measure the C-channel and prepare to cut it if necessary.

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Using a miter saw, cut the C-channel to the desired length.

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Prepare to drill holes in the middle of the C-channel.

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Drill the first hole 4 inches from the edge of the C-channel.

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Drill the second hole 4 inches from the opposite edge of the C-channel.

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Maintain the recommended spacing of 12 inches between each hole on the C-channel.

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Prepare to apply caulk to the back of the C-channel using solar seal (included).

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Apply enough caulking to prevent water penetration.

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Use the previous chalk line as a reference to position the C-channel levelly.

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Ensure the longer lip of the C-channel faces upward and secure it with 1/4-inch Tapcons (included).

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Tip: For best results, use a hammer drill with a 1/4-inch concrete drill bit.

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Apply a second layer of caulking between the C-channel and the wall.

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Prepare the Rafter & Beam: Slide the structural 3x8 beam into the rafter.

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Tip: Cut the rafter and beam 2 inches shorter to allow space for installing the side fascias

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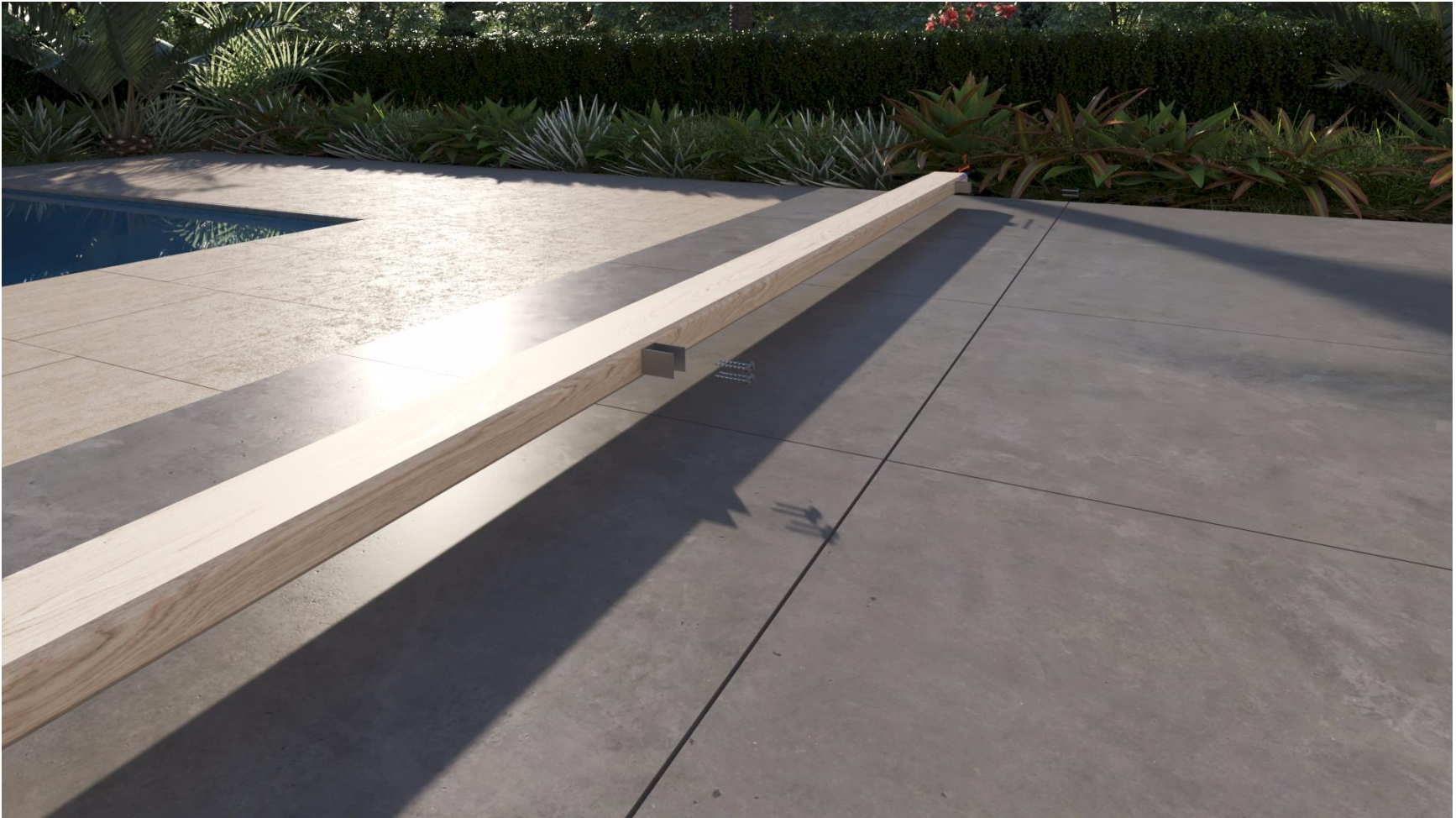
Install the 3x3 post brackets onto the beam, 12 inches from the edge on each side.

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Attach the 3x3 post bracket to the beam using four Tek screws #14x1-inch (included).

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Continue installing the remaining post brackets onto the beam.

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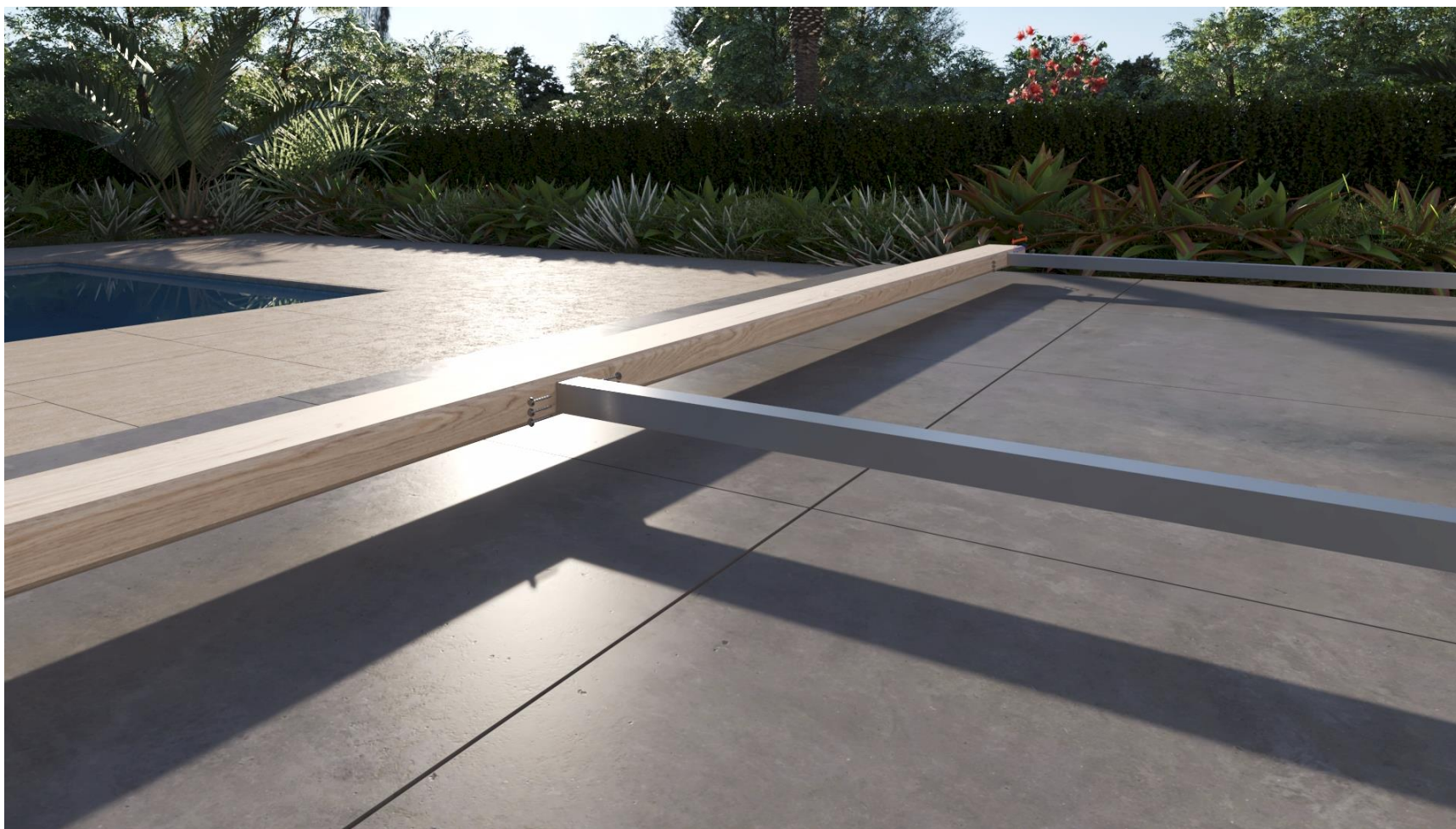
Insert the first post into the bracket attached to the beam.

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*Attach the post to the bracket using three Tek screws (#14x1")
on each side of the post.*

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Follow the same steps for the remaining posts.

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Next, mark the locations for the post brackets. In this example, use equal spacing on the posts and allow a 12-inch overhang for the roof on each side.

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Install the post bracket using either 1/4-inch Tapcons or 3/8-inch Tapcons to secure the brackets to the concrete deck.

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Continue the installation of the post brackets on the concrete deck for the remaining posts.

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Secure the 3x3 post to the concrete bracket using three Tek screws #14x1" on each side face of the post.

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Secure the remaining posts to the brackets using screws #14x1

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Prepare for the installation of the panels with additional help. Ensure that the female side of the first panel faces outward.

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Secure the panel with Tek screws (#12x1") placed 2 inches from the edge on each side.

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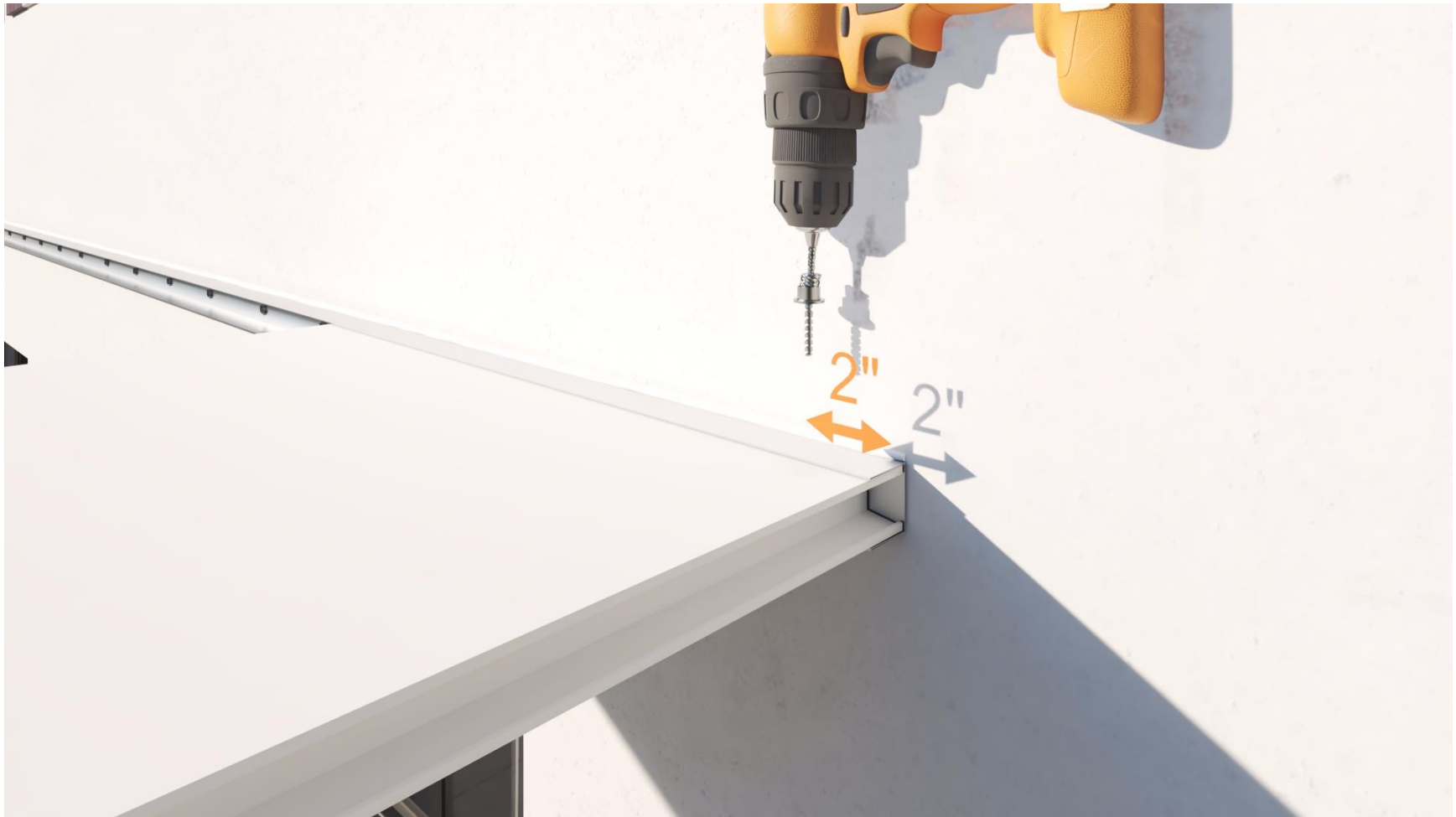
Continue securing the panels using Tek screws every 11 inches.

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Use a total of five screws per panel on the bottom side.

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Use Tek screws (#12x1") placed 2 inches from the edge on each side at the top.

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Continue using the same screw spacing at the top as at the bottom.

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Secure the panels to the beam with Tek screws (#14x5"). Place one screw on each side of the panel, 2 inches from the edge.

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Ensure each post is level on the front side before securing the panel to the beam.

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Continue with the installation of the panels.

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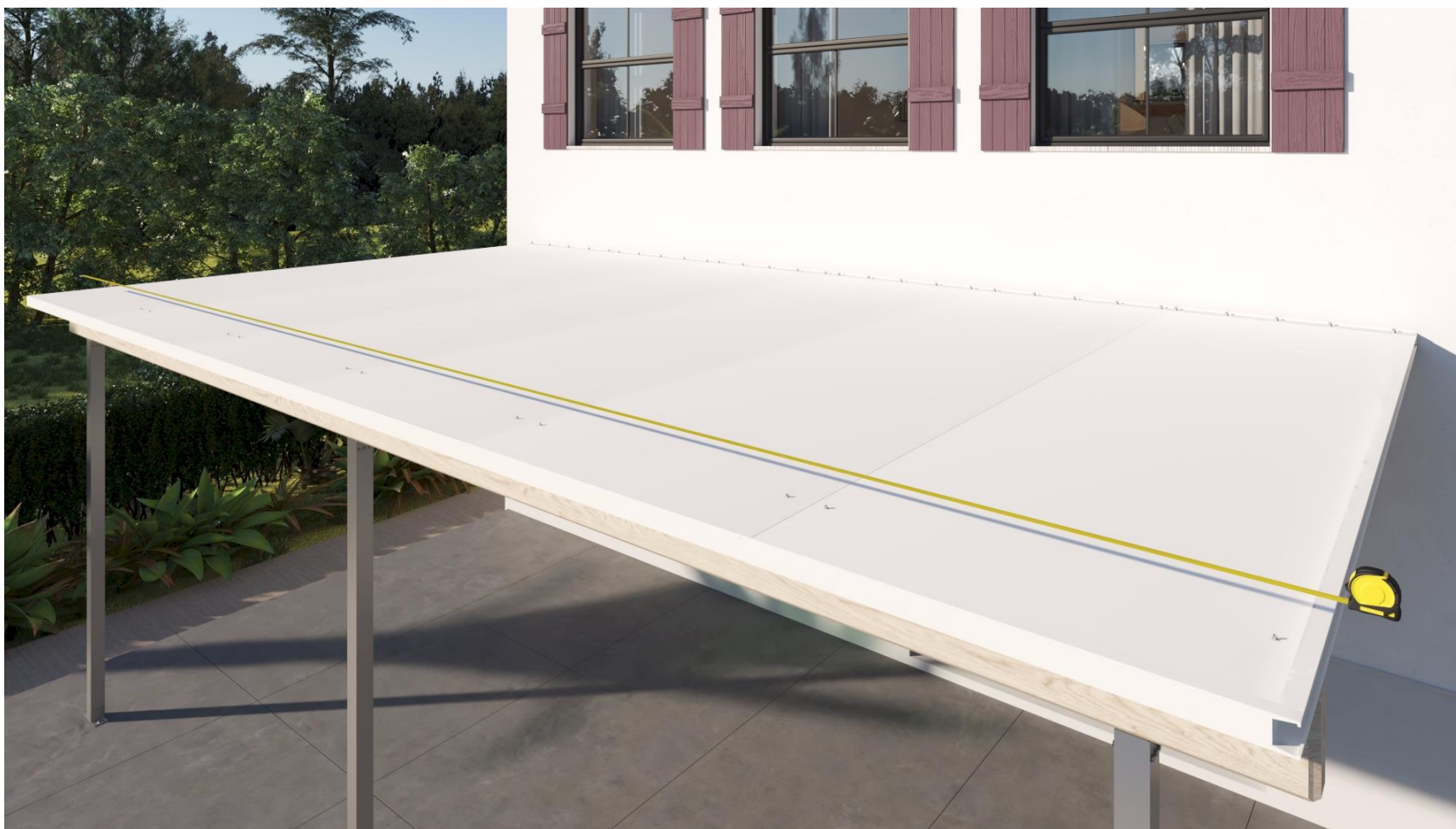
Ensure to cut the male side of the last panel before installation.

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Install and secure the last panel.

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To prepare for the E-gutter installation, measure from side to side across the panels.

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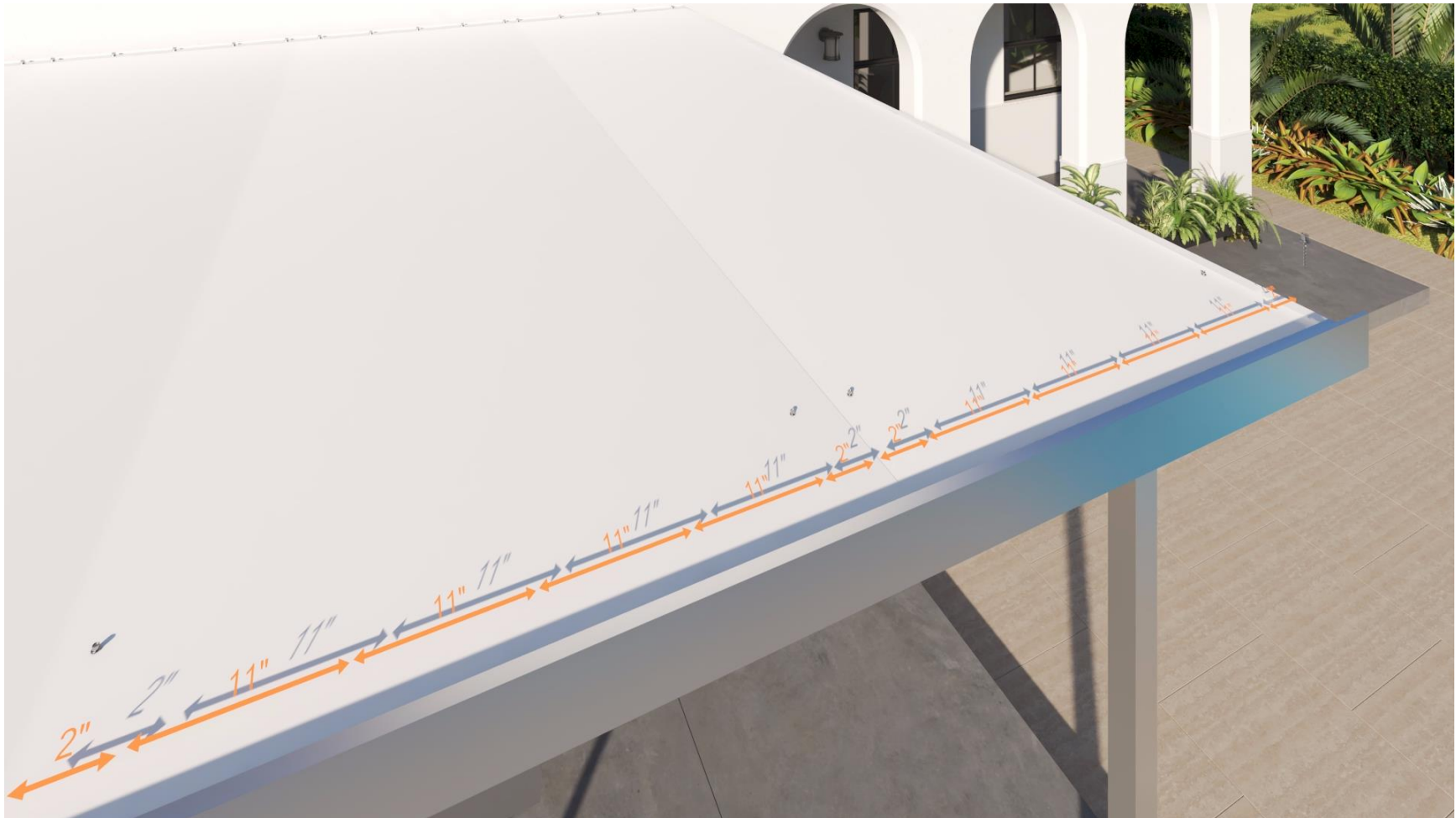
Measure and cut the E-gutter to the necessary size, in this case, 24 feet.

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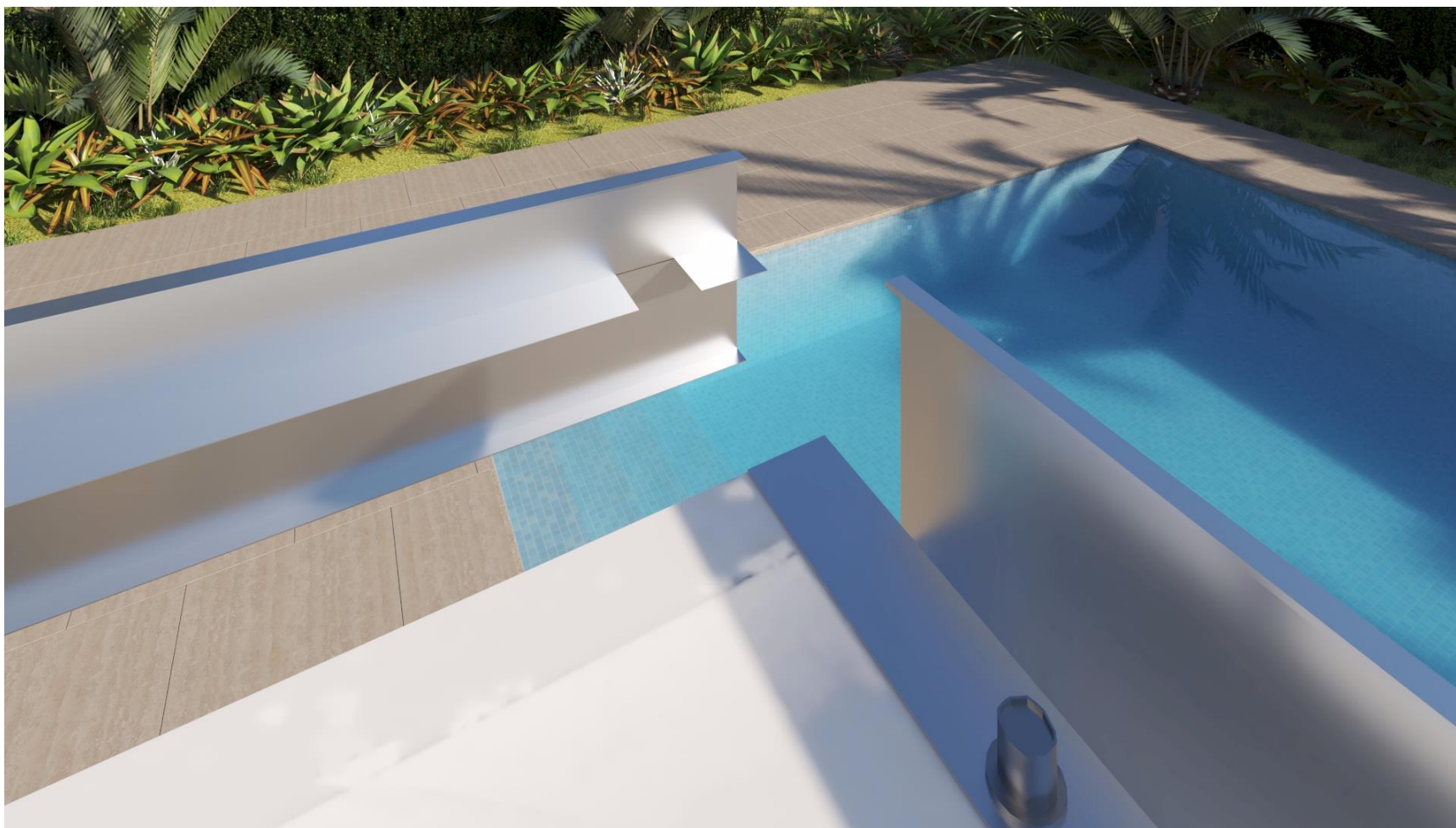
Insert the E-gutters into the panels by pressing forward and ensure no gaps are left.

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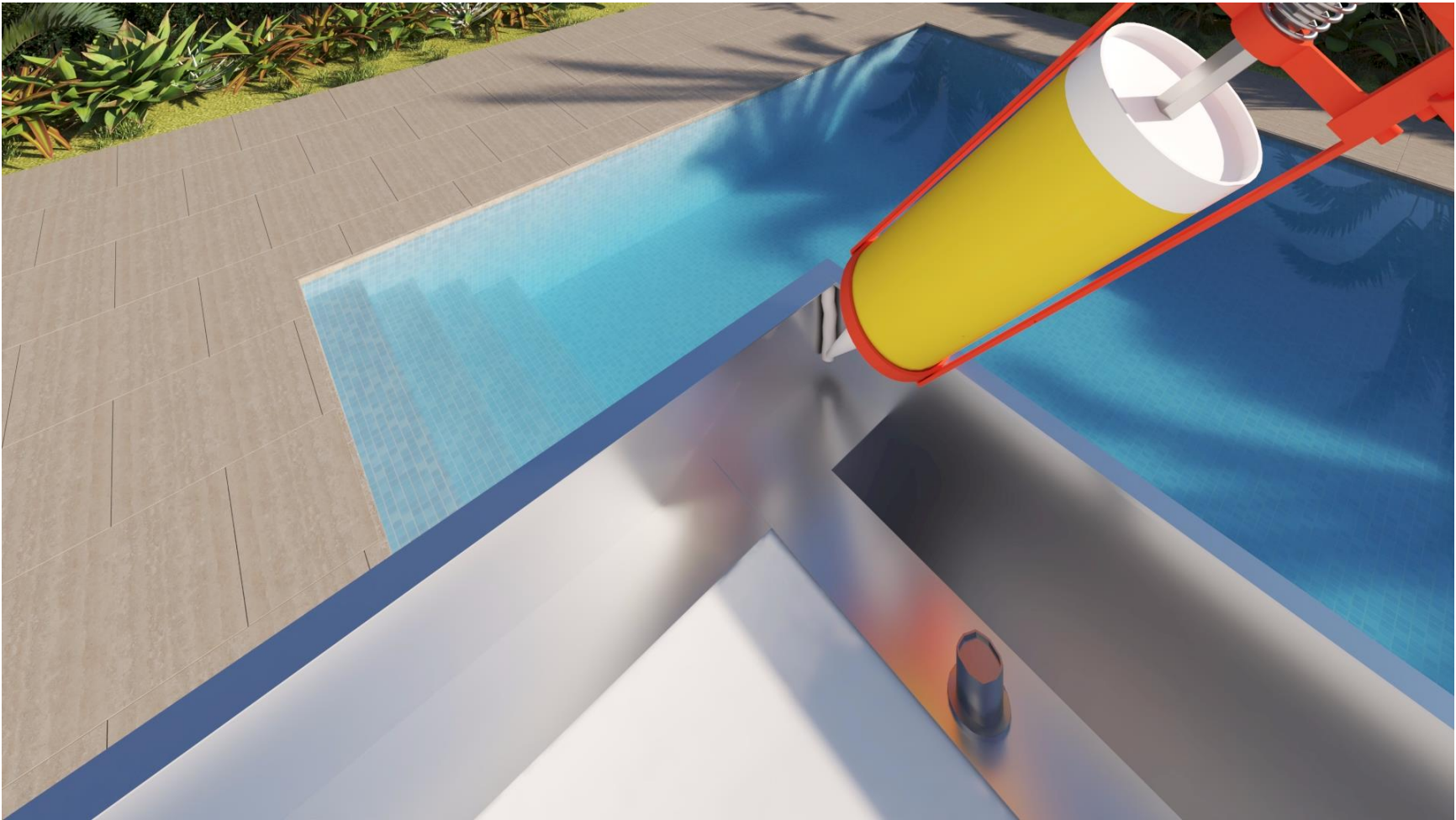
Secure the E-gutter to the panels using Tek screws (#12x1") (included). Use the same screw spacing as the header-to-panel connection.

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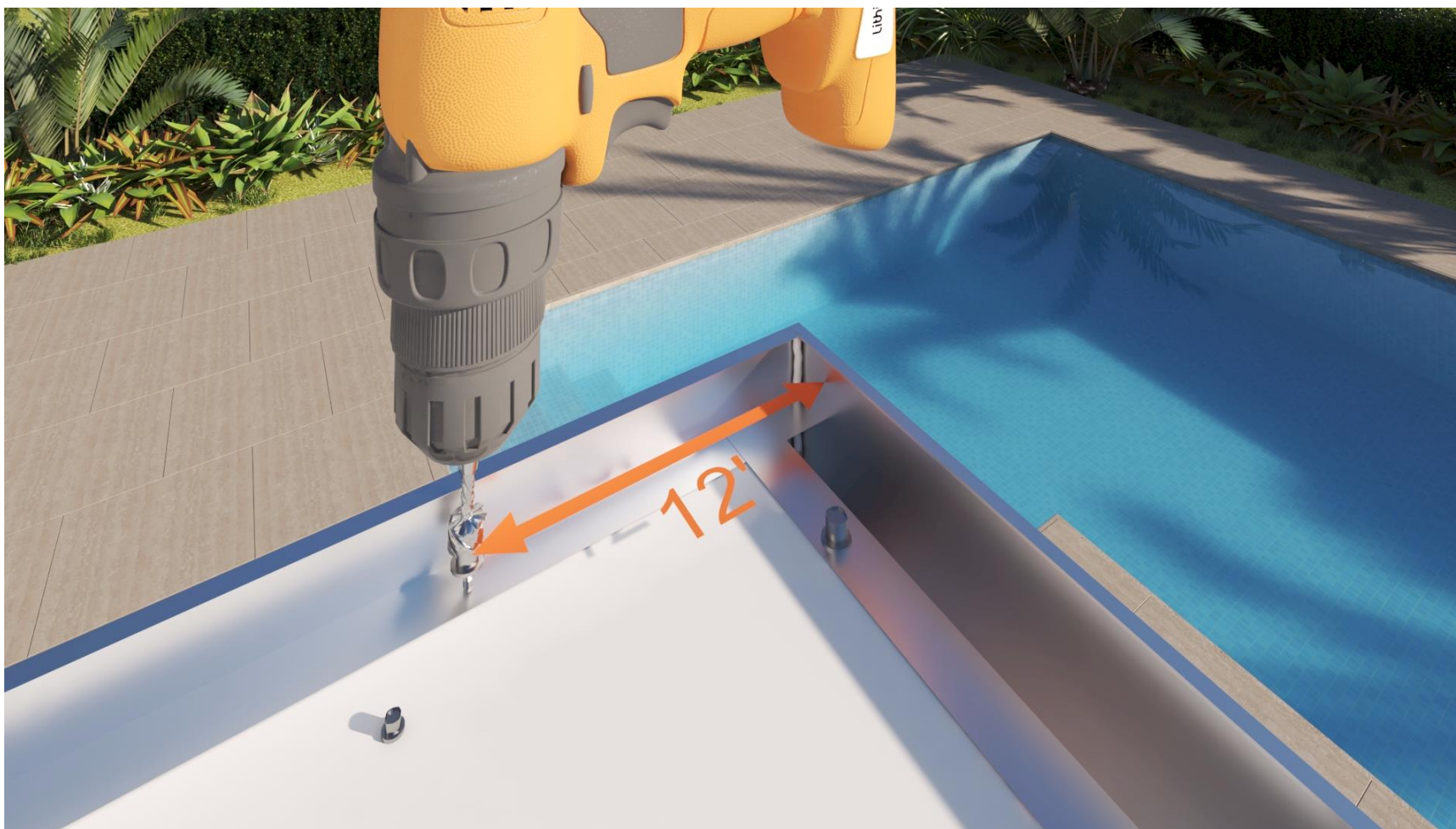
Before installing the side fascia, notch it where it meets the E-gutter so it mounts flush with the panels.

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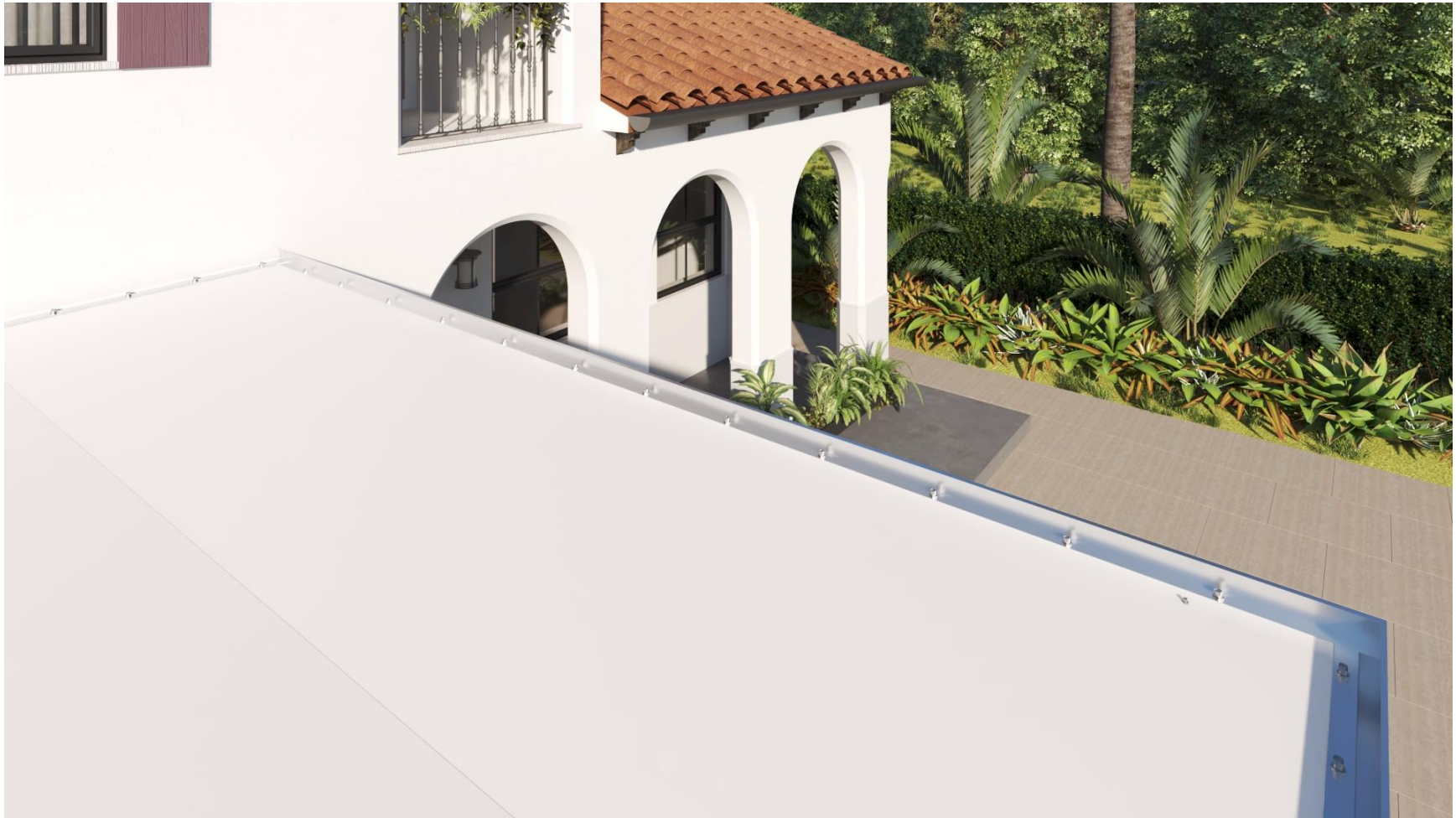
Caulk the corner joints between the fascia and the E-gutters at each corner to ensure waterproofing.

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Secure the fascia to the panels using Tek screws (#12x1", included) spaced every 12 inches.

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Complete the securing of the fascia to the roof panels on both sides.

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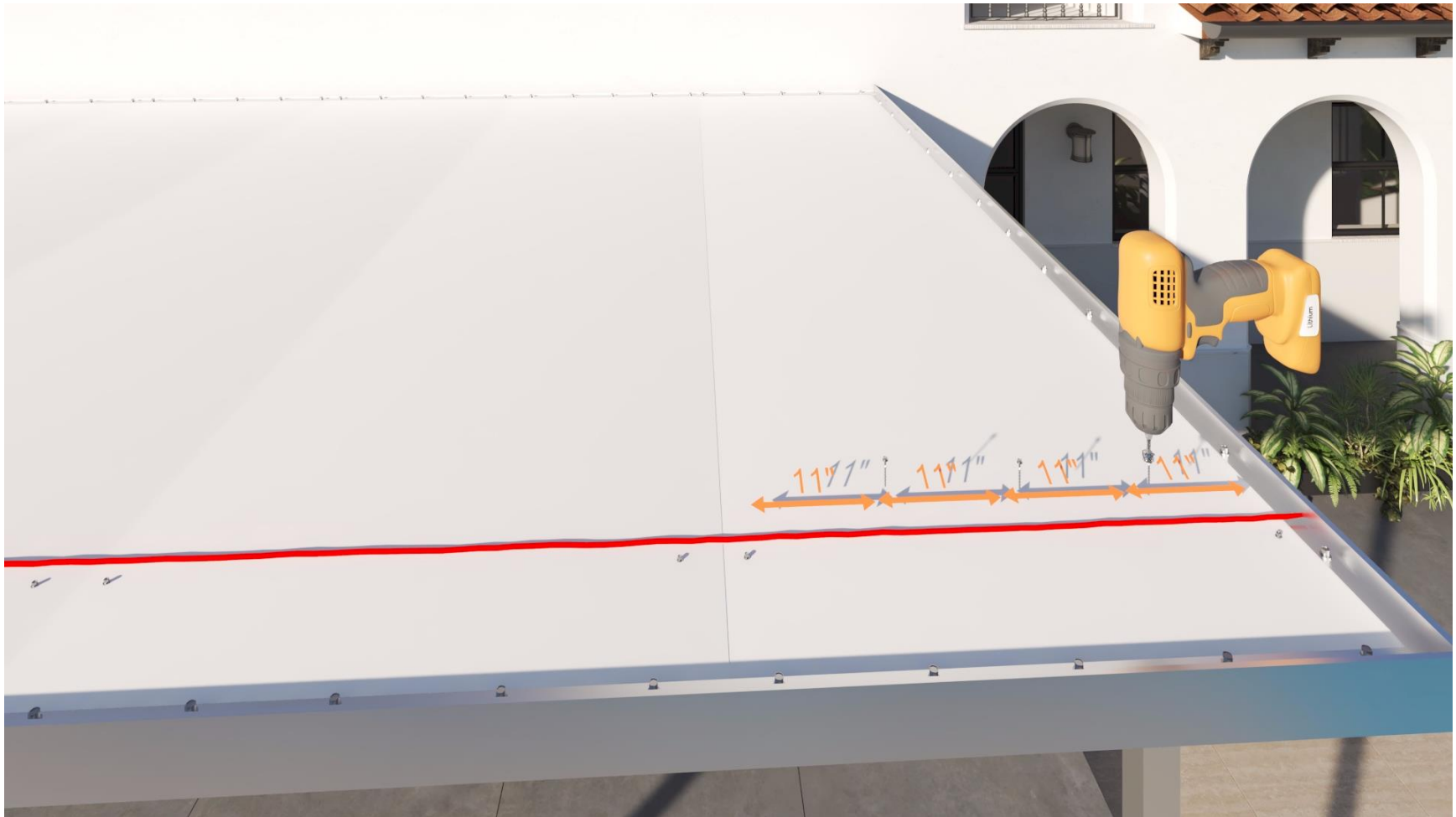
Use three screws (#12x1") to secure the fascia to the panels on the bottom side.

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Finish securing the panels to the beam. Tip: Use a chalk line to mark each end of the panel where screws will be placed as a reference line.

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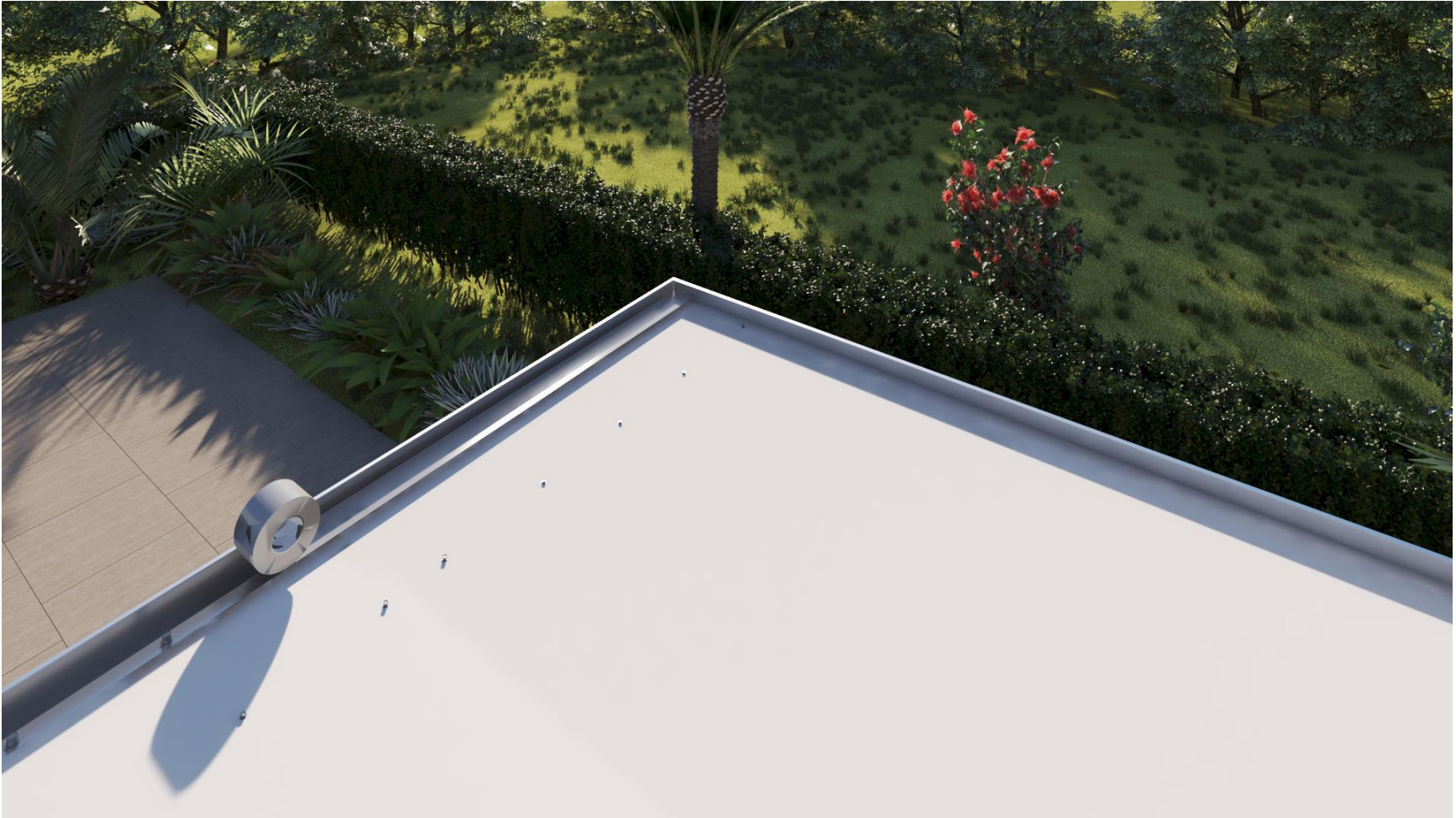
Finish securing the panels to the beam by adding Tek screws, size #14x5", spaced every 11 inches on each panel.

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Continue securing the panels to the beam by adding Tek screws, size #14x5", spaced every 11 inches on each panel.

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Use peel and seal tape to seal the joint connection between the E-gutters and the panels.

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Use peel and seal tape to seal the joint connections between the fascia, the C-channel, and the roof panels.

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Finish sealing the roof by covering the joints between the roof panels with peel and seal tape.

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Install the 2"x6" post rafter kits on both sides of the 3"x3" post using #12x1" Tek screws every 24 inches; cover the holes with the included plastic covers.

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Use #12x1" Tek screws every 24 inches on both sides and cover the holes with the (included) plastic covers.

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*Secure the top rafter to the beam using four #12x1" Tek screws on each side.
Cover the holes with the included plastic covers.*

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Follow these steps to complete the installation of the rafter post kit for the additional posts.

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Follow these steps to complete the installation of the rafter post kit for the additional posts.

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Measure and cut the 2"x6" decorative rafter to size, and secure it to the front of the E-gutter.

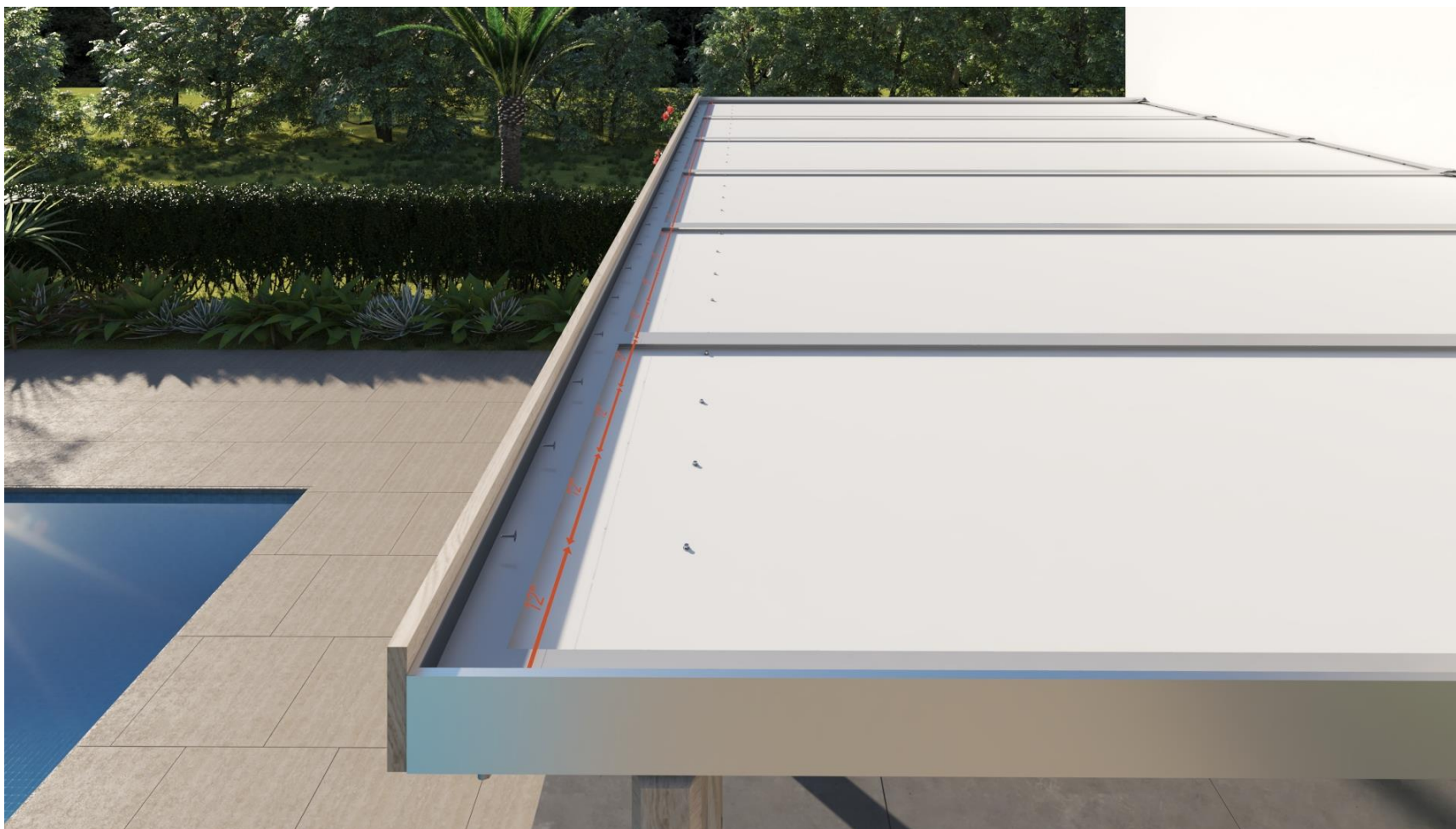
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Prepare the rafter to be secured to the E-gutter.

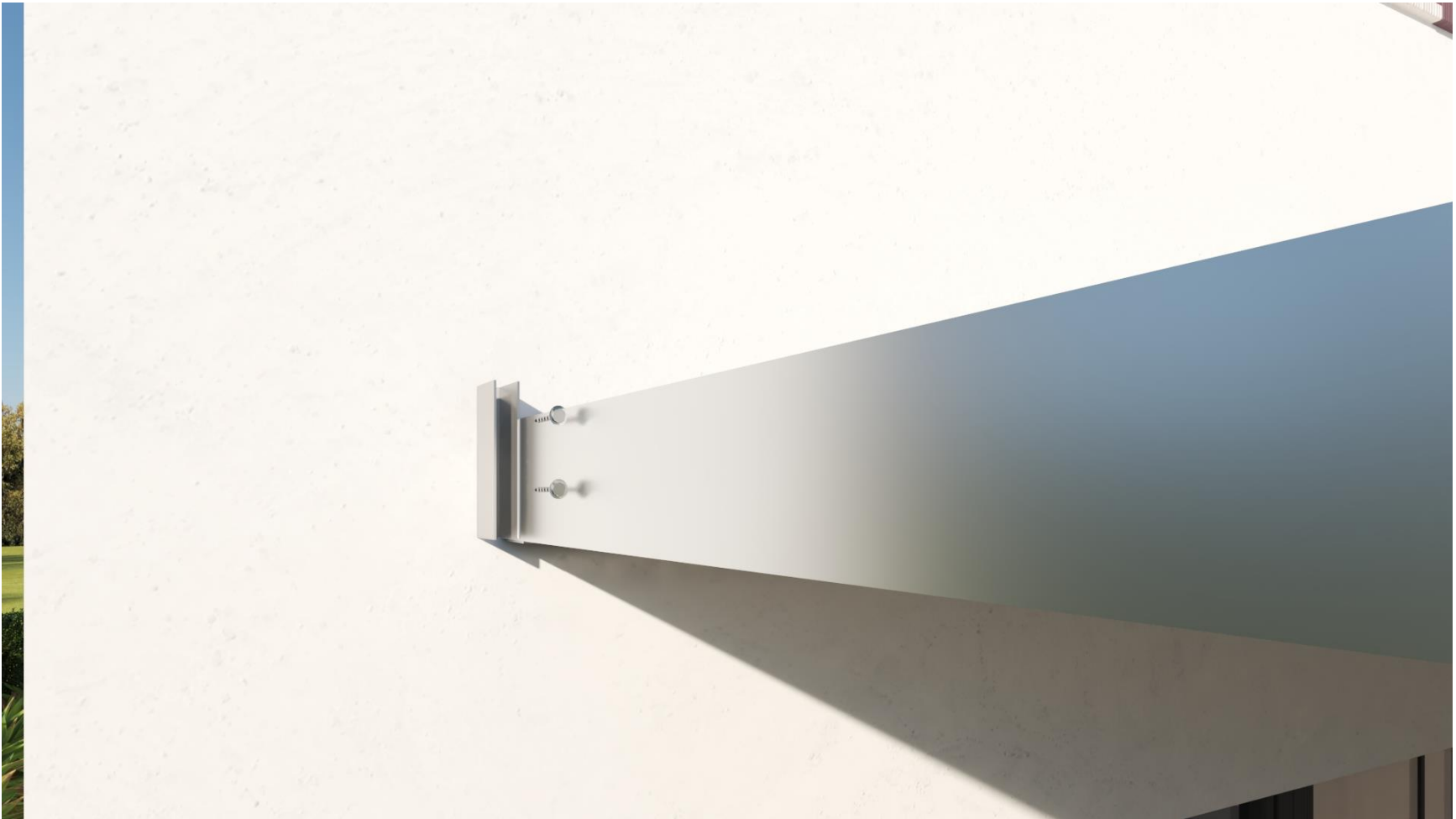
Note: The bottom of the rafter needs to be flush with the bottom of the 2x6 rafter.

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Use #14x1" Tek screws every 12 inches to secure the 2"x6" decorative rafter to the front of the E-gutter. **Note:** Install the screws from the inside of the E-gutter.

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Install the wall channel with two 1/4" Tapcons next to the fascia to secure the 2"x6" left decorative rafter.

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Mount the 2x6 rafter inside the wall channel and secure it using three #12x1" Tek screws.

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Secure the 2"x6" rafter with #14x1" Tek screws, spacing the screws every 12 inches.

Note: Install the screws from the inside of the fascia.

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Install the wall channel with two 1/4" Tapcons next to the fascia to secure the 2"x6" left decorative rafter.



Mount the 2x6 rafter inside the wall channel and secure it using three #12x1" Tek screws.

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*Secure the right Rafter with #14x1" Tek screws, spacing the screws every 12 inches.
Note: Install the screws from the inside of the fascia.*

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*Install the channels that will support the rafter tails using three #12x1" Tek screws for each channel. **Tip:** Space the channels every 24 inches.*

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Insert the rafter tails into the channel and secure them using three Tek screws #12x1" on each face. Repeat the same steps for the rest of the installation of the rafter tails.

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Prepare for the downspout installation: Cut 2" holes in the E-outters (end posts), making sure the holes align with the middle of the posts.

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*For the final step, install the 3"x4" downspouts and elbows on each end post.
Tip: We recommend using a 2" Gutter Outlet Saw to make the cuts in the E-gutter.*

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