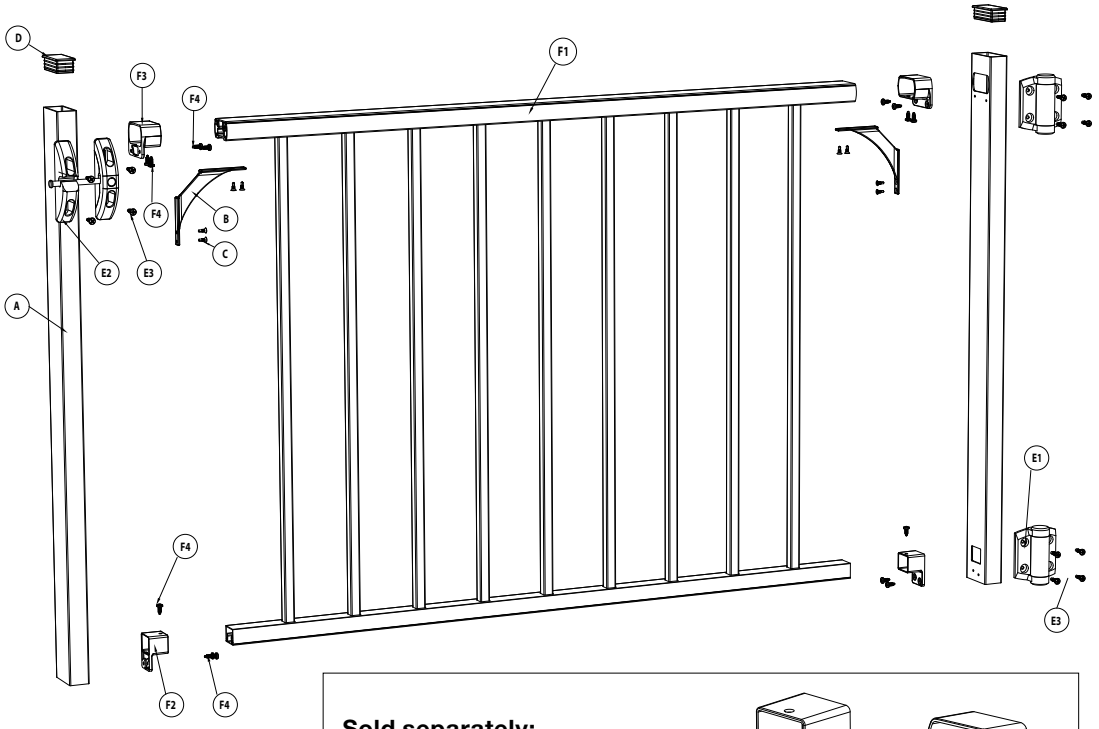
ESSENTIAL ALUMINUM GATE INSTALLATION INSTRUCTIONS

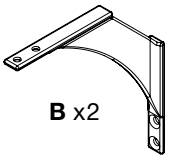
Tools and Items Needed

- Power Drill
- 1/8” Drill Bit, T20 Torx Bit, #2 Phillips Bit
- Rubber Mallet
- Miner Saw
- Pencil
- Tape Measure
- Eye & Ear Protection



Parts included

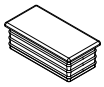
A. Gate Stile
B. Gate Gusset Brace
C. Gusset Screw
D. Cap
E1. Hinge Kit
E2. Latch Kit
E3. Screws for E1/E2



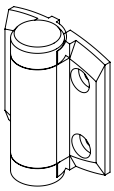
B x2



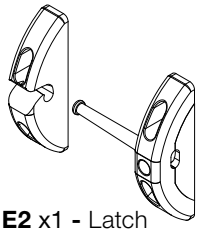
C x8



D x2



E1 x2 **-** Hinge

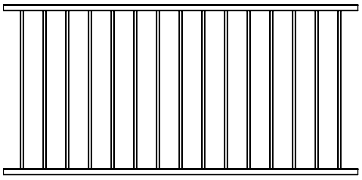


E2 x1 **-** Latch



E3 x12 **-** Hinge/ Latch Screw

Sold separately:



F1 - Aluminum Rail Panel



F2 - Bottom Bracket



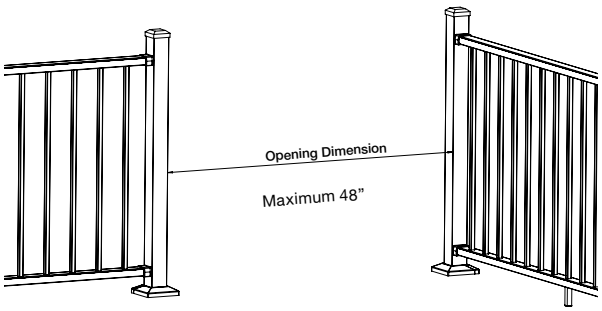
F3 - Top Bracket



F4 - Rail Bracket to Rail Screw

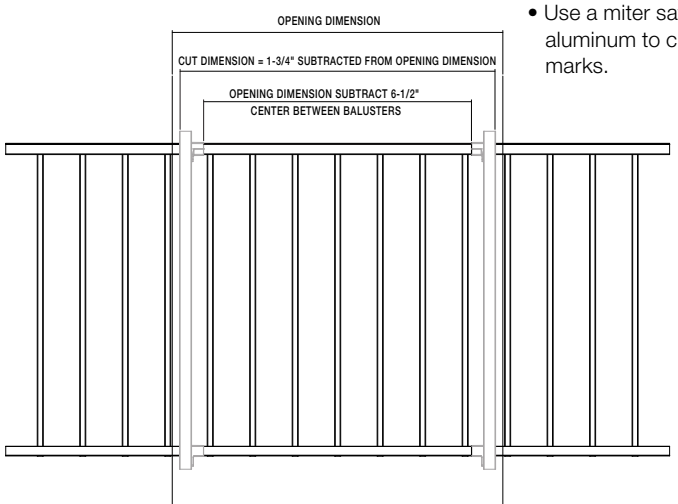
Step 1. Measure Span

- Measure the distance between the faces of the deck mounted railing posts. Maximum span for this gate kit is 48”.



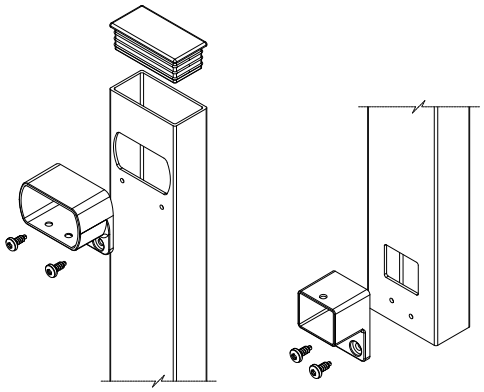
Step 2. Cut rail panel to size

- Subtract 6.5” from the span measured in the previous step. This is your span between brackets - this is NOT your cut length. Locate and mark a section of the rails to this dimension, with equal spacing on both ends to the baluster location.
- Add 2-3/8” to each side of your marks (outwards) made on the rails - these are your cut marks. Double check that your **cut span = opening dimension minus 1-3/4.** If there are any balusters within the first span and second span marks you have made, they must be removed.
- Use a miter saw equipped to cut aluminum to cut the rails on these marks.



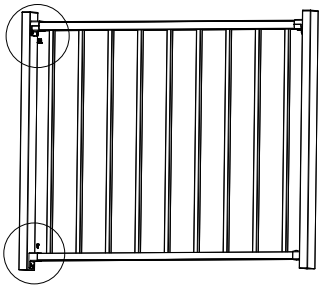
Step 3. Install Caps and Bracket Bases

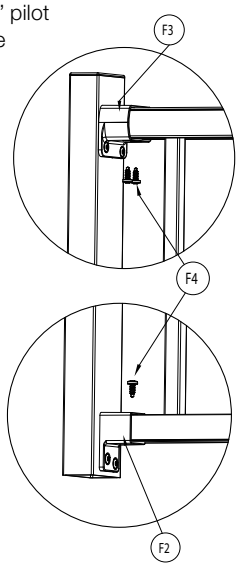
- Insert the cover caps into the top of the gate jamb posts.
- Use a rubber mallet if necessary.
- Align bracket base mounting holes with the pre drilled holes on the Gate Jamb Post. Attach using 1/2" screws (F4) supplied in railing kit.
- Repeat for all four brackets.



Step 4. Install railing panel

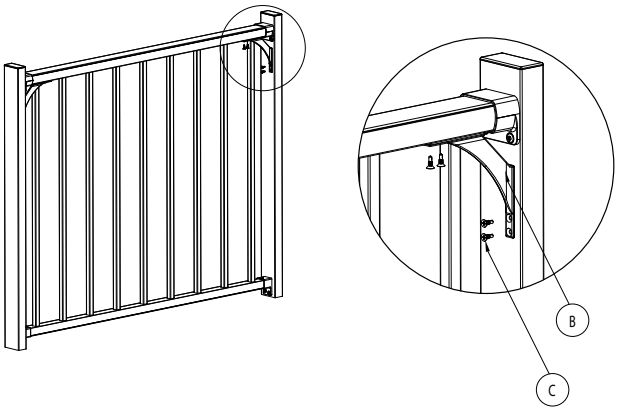
- Slide the Gate Jamb Post assemblies over the ends of the rail until the rails contact the back wall of the jams.
- Attach the rails to the brackets using 1/8" pilot holes and the supplied 1/2" screws in the bracket mounting holes.





Step 5. Install Gate Corner Gussets

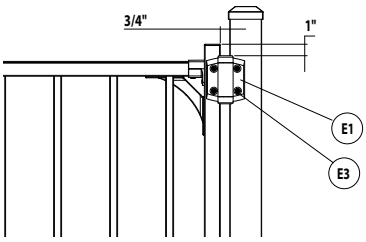
- Position the corner gussets in the top left and right corners of the gate. Mark hole locations.
- Using a 1/8" drill bit, pre-drill the 4 marked hole locations for each gusset.
- Attach both arms of the gusset to the railing and stile using the supplied 1/2" painted screws (C). Repeat for the remaining gusset.



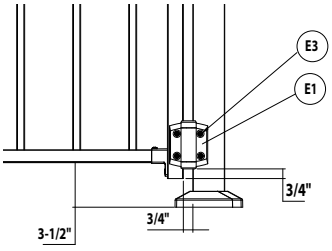
Step 6. Install Gate

- Determine gate opening direction and latch location.
- Attach the hinges: (top hinge: 1" from the end of the gate jamb post; bottom hinge: 3/4" from the end of the gate jamb post) using the supplied screws.
- Position gate and attach the hinges to the railing post using a 1/8" pilot hole and supplied screws.

Note: Gap between the gate and the railing posts should be approx. 3/4"



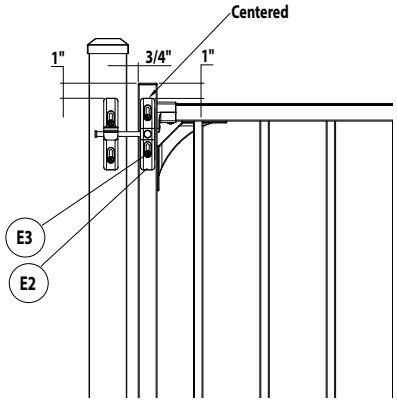
TOP HINGE



BOTTOM HINGE

Step 7. Install Latch

- Latch location: The top screw hole for the latch should be centered with the top rail of the gate panel.
- Using a 1/8" pilot hole and supplied screws, Install latch according to the installation instructions included with the latch assembly.



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