

CertainTeed

Vinyl Gates

Assembly Instructions

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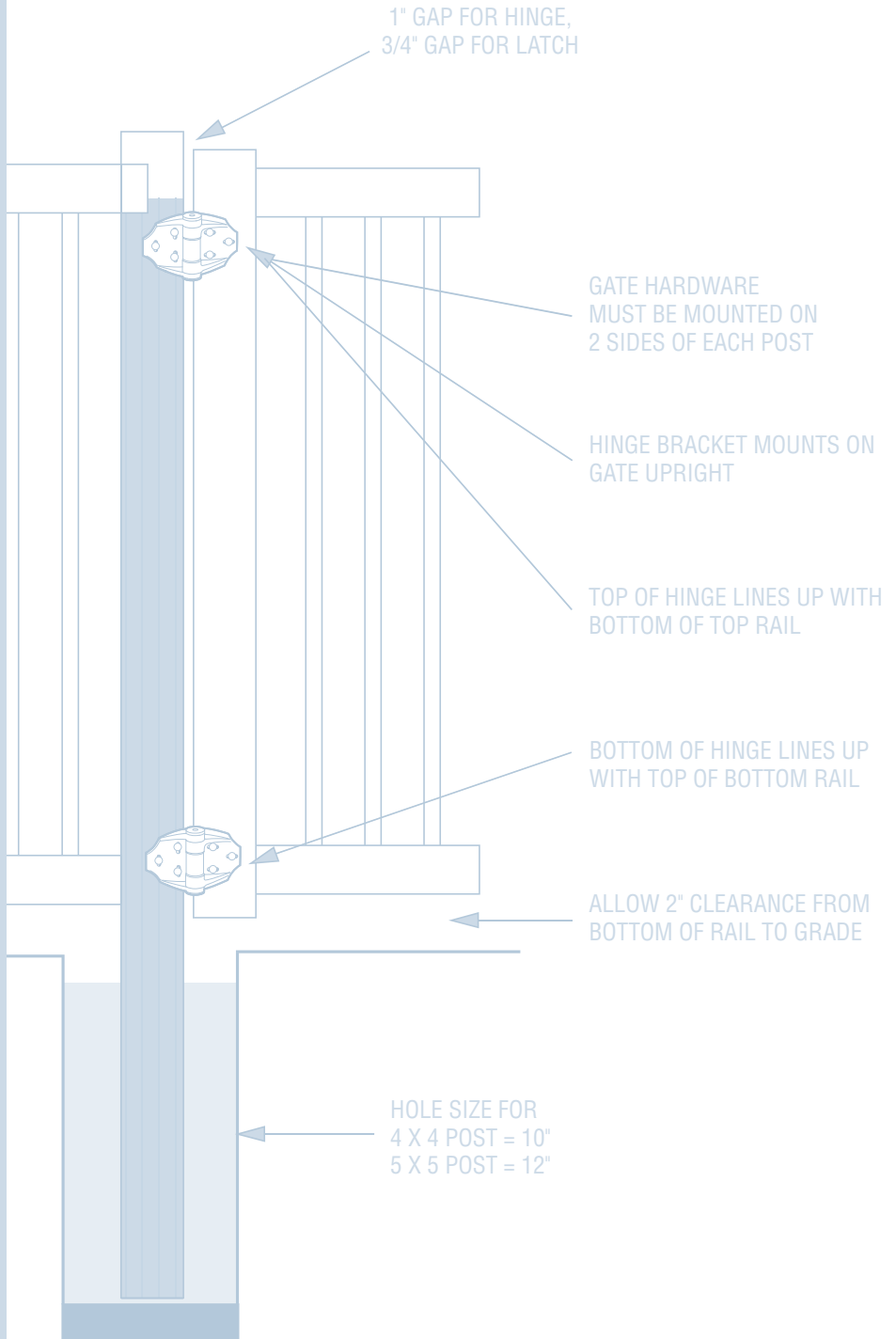
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General Information

Please read these instructions thoroughly before beginning the assembly.

- Use extreme care when applying PVC cement as it dries quickly.
- During assembly, lay PVC components on a non-abrasive surface (such as a drop cloth) to avoid scratching.
- Clean PVC with a mild detergent and plastic scouring pad.
- Assemble PVC components without using excessive force to avoid breakage.
- Socket gate will not rack. Aluminum framed gate may be racked if needed.
- Gate must be assembled prior to fence to accurately locate hinge and latch post.
- Gate horizontal rails will line up with fence horizontal rails.
- Gate requires 2" clearance under bottom rail on level ground.
- Gate hardware requires 1" gap for hinge and 3/4" gap for latch.
- Gate hardware must be mounted on two sides of post.

Tools Required

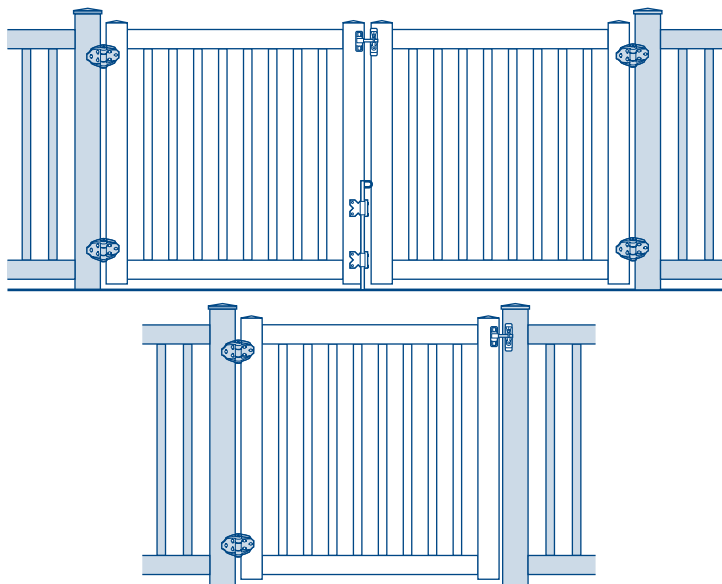
- Measuring tape
- Phillips #2 screwdriver
- Large slot-head screwdriver (to activate spring in hinge)
- Saw with masonry blade
- Drop cloth
- Electric or cordless drill (use low clutch settings)
- Various drill bits (1/8", 3/16", 1/4", 5/32")
- Rubber mallet
- Leveling blocks
- Level
- 7/16" wrench
- Square
- Pencil
- File
- #3 square drive bit

Double Drive Gates

For aluminum frame gates, order two standard gates (does not have opposite gate).

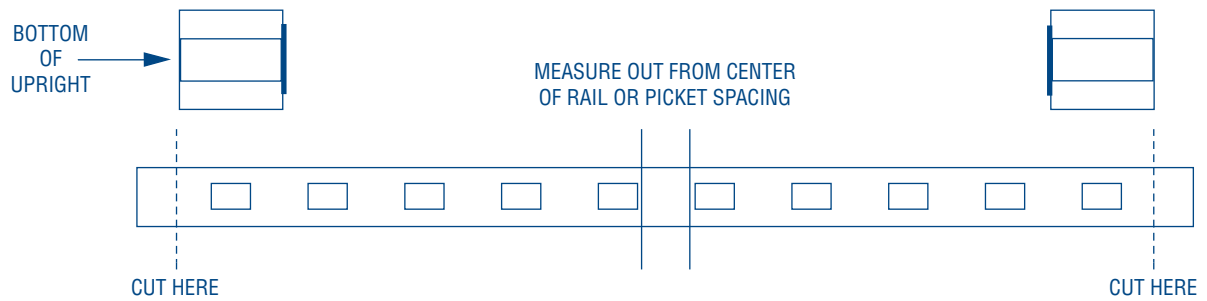
For socket gates:

- Double drive gates require one REGULAR socket gate and one OPPOSITE socket gate (brace holes located on the opposite side).
- Double drive gates require a drop pin kit.
- Allow a space of 2-3/4" between the hinge posts when determining the size of each gate.



Before You Begin

Determine Width of Gate



- Width of gate will be determined by length of horizontal rails.
- Rails must bottom out inside uprights.
- Cut rails to achieve equal picket spacing. Measure out from center of hole cut-out or center of picket spacing.
- Single gates should be made 1-3/4" smaller than the gate opening to allow for hardware.
- Double drive gates require an allowance of 2-3/4" between hinge posts for hardware and drop pin kit.
- When cutting rails, be certain to drill 1/4" holes in bottom rails for water drainage.

For aluminum framed gates, see Section 1. For socket gates, see Section 2.

Section 1: Aluminum Frame Assembly

The Vinyl Gate Kit is designed to build one (1) vinyl gate at the width of the standard walk gate. Extension kits are available for certain styles. Refer to product catalog for offering and maximum width.

Box Contains:

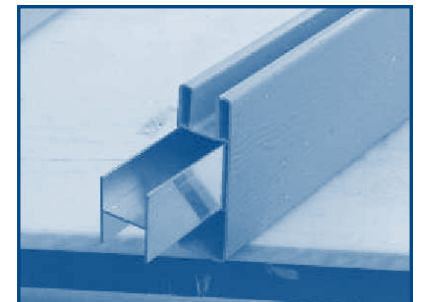
- Vinyl Gate Uprights with Aluminum "U" Channel Inserts
- Aluminum Channel Rail Inserts
- Hardware Bag
- Upright Caps

NOTE: Vinyl rails, pickets and hardware sold separately for fence gates. Railing gates include vinyl rails, balusters and gate hardware.

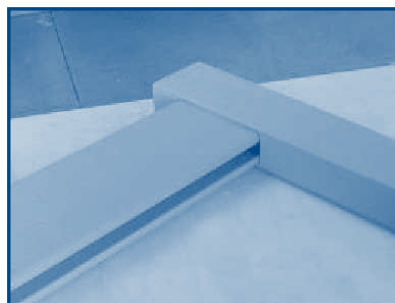
- Remove steel channel from fence rails if previously inserted (fig. 1).
- Cut rails to length – cut rail 1/2" shorter than desired final gate width.
- Insert aluminum channel into rails.
 - Aluminum will also need to be cut to match vinyl rail length (fig. 2).
 - For fence styles with ribbed rails, insert channel in center chamber of rail.
- Drill 1/4" holes in bottom rail for water drainage.
- For privacy gates:
 - Attach vinyl end channel to gate uprights with 4 screws per side.
 - Insert top & bottom rails into one of the gate uprights (fig. 3).
 - Slide pickets into rails. For shorter width gates, picket will need to be ripped.
 - Slide second gate upright over rails (fig. 4).



(fig. 1)



(fig. 2)



(fig. 3)



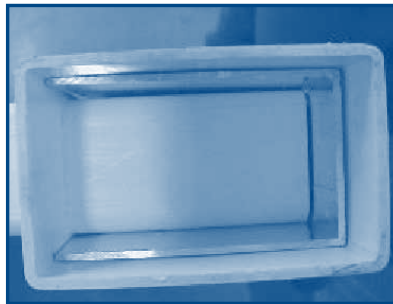
(fig. 4)

- For all other standard gates:
 - Insert pickets/balusters into rails.
 - (For railing gates, refer to the chart to the right for baluster lengths.)
 - Insert rails into one of the uprights.
 - Slide second gate upright over rails.

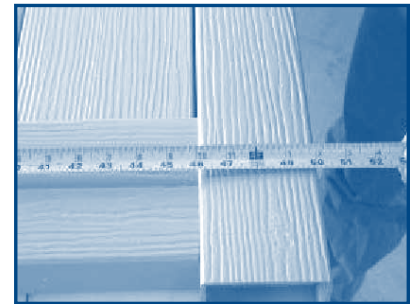
Oxford*	Kingston	Edgewood®
3' high = 33-1/4"	3' high = 31-1/4"	3' high = 31-1/4"
3-1/2' high = 39-1/4"	3-1/2' high = 37-1/4"	3-1/2' high = 37-1/4"

**does not require cutting*

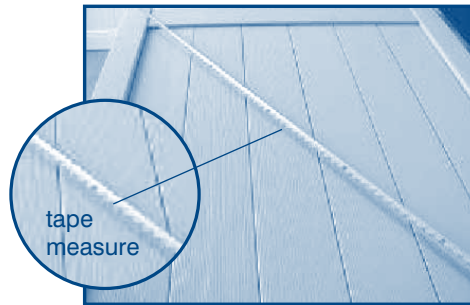
- Ensure rails are inserted all the way into upright and pickets are flush against uprights (fig. 5).
- Check overall width of gate to ensure it meets desired target (fig. 6).
- Square gate by measuring diagonally from one upright to the other in both directions (fig. 7).
- Drill holes and insert 2 screws in each corner of the gate. (Use templates in the back of these instructions for screw placement. See box below for additional information). Screws should be inserted through rail to ensure connection with aluminum channel inside rail (fig. 8a and fig. 8b).
- Flip over the gate assembly and repeat screw insertion for each corner.
- Attach gate upright caps with silicone caulk or PVC cement (fig. 9).
- Proceed to Section 3.



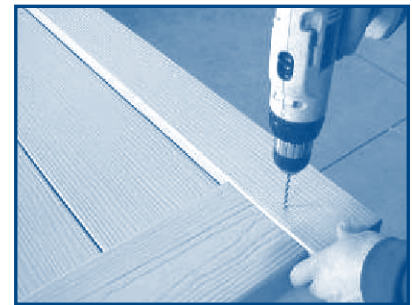
(fig. 5)



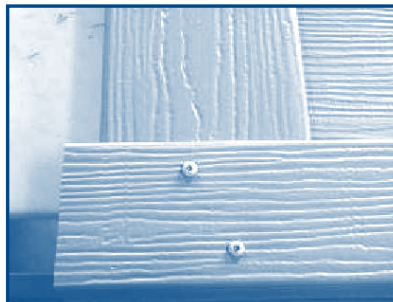
(fig. 6)



(fig. 7)



(fig. 8a)



(fig. 8b)



(fig. 9)

Use the templates in the back of these instructions for proper screw placement.

- Screw templates for 2x6 Ribbed and 2x6 Privacy Rails — see page 7
- Screw templates for 2x3-1/2, 2x4 and 1-1/2x5-1/2 Deco Rails — see page 8
- Screw template for Edgewood® and Kingston Rails - see page 9

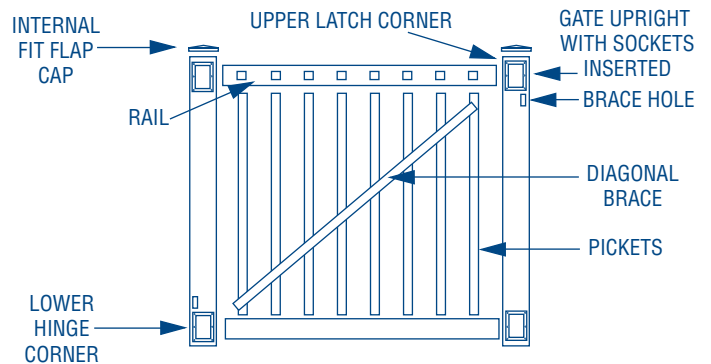


Section 2: Socket Gate Assembly

1. Assemble Gate

Assemble gate to test fit and measure brace prior to applying PVC cement.

- Gate uprights have been pre-routed in the factory with one set of brace holes. The single brace will run from the upper latch corner to the lower hinge corner. Lay brace in position on the side of the gate, mark and cut so that the brace extends 3" into each upright.
- Check for drainage hole in bottom rail.
- Insert pickets in bottom rail. For 5' and 6' high gates, insert middle rail over pickets with larger hole down. Insert pickets in top rail.
- Insert brace and glue rails into gate upright sockets. Glue all joints on one end of gate at same time. Apply glue to socket and rail, and assemble quickly as glue will dry rapidly. Make sure finished gate is square.



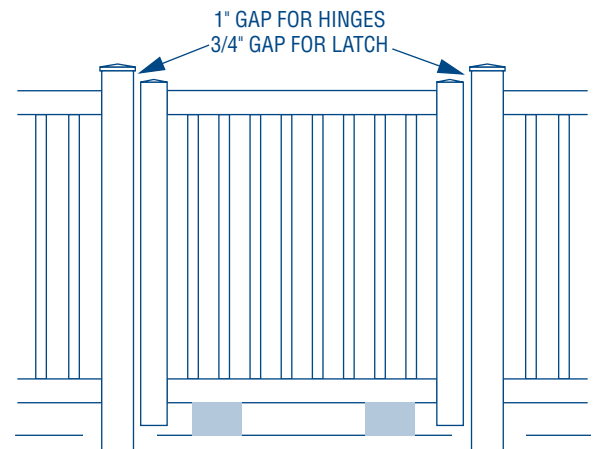
2. Secure Braces in Position

- After gate is glued and assembled, secure braces to pickets and uprights with #8 x 1-1/2" screws, snap caps and washers.
- Determine location of screws. Screws should be located evenly along diagonal brace.
- Drill a 1/8" pilot hole to secure screws.
- Insert two #8 x 1-1/2" screws, with caps and washers, through gate upright where brace inserts.
- Insert two #8 x 1-1/2" screws, with caps and washers, through gate pickets.

Section 3: Installing Gate (for both aluminum and socket applications)

1. Position Gate / Locate Hinge

- Position gate between fence posts. Allow 1" gap on hinge side and 3/4" gap on latch side of the assembled gate for hardware and gate swing.
- Use leveling blocks under gate to square gate with fence posts. Fence and gate horizontal rails should be level.
- Gate hardware must be mounted on two sides of post.
- Locate hinge position on gate upright and hinge post. Top of top hinge is in line with bottom of top rail. Bottom of bottom hinge is in line with top of bottom rail.
- Hinges should be installed as far apart as is practical, for optimal performance.
- To mount the hinges, drill 5/32" pilot holes to accept screws when using aluminum post inserts.



2. Install Hinges

Installation may vary based on gate hardware kit ordered. Refer to manufacturer's recommended installation instructions.

- Works with both left-hand and right-hand gates.
- Hinges must be mounted on two sides of the post.

3. Install Latch

Installation may vary based on gate hardware kit ordered. Refer to latch installation instructions included with your gate hardware for exact instructions.

4. Installation Instructions When Using Aluminum Insert

Optional Post Support

Designed for use in end, hinge and latch post

Installing insert into post (insert into post before setting post)*

Drive a screw through the vinyl into the aluminum in the bottom of post. This will prevent the insert from moving inside the post.

Routed Post

Insert aluminum into post with open end facing routed hole.



Blank Post

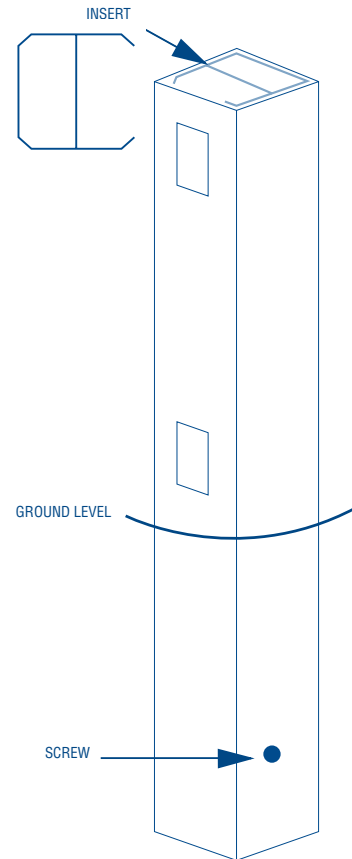
Make sure that you set your post so that you will be attaching the hinge plate to the aluminum in both directions.



Attaching Hinge Plate

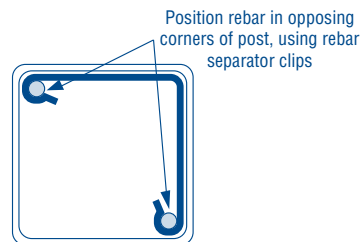
To attach hinge plate to post with insert, pre-drill a 5/32" pilot hole for screws.

*NOTE: Insert will not work in corner, line or 3-way posts.
Refer to rebar separator clip instructions if not using aluminum insert.



5. Installation Instructions When Using Rebar and Concrete in Posts**

- Connect two pieces of 1/2" rebar together with rebar separator clips. Length of rebar should extend from bottom of hole to 12" from top of post.
- Insert rebar in opposing corners of all hinge, latch and end posts.
- The use and placement of rebar is critical for the strength and quality of the fence installation.
- Fill fence posts with concrete mix to cover rebar and gate hardware fasteners.
- Tamp out any air pockets with a rubber mallet.
- Leave gate on blocks for concrete to set up. Remove blocks after 72 hours.

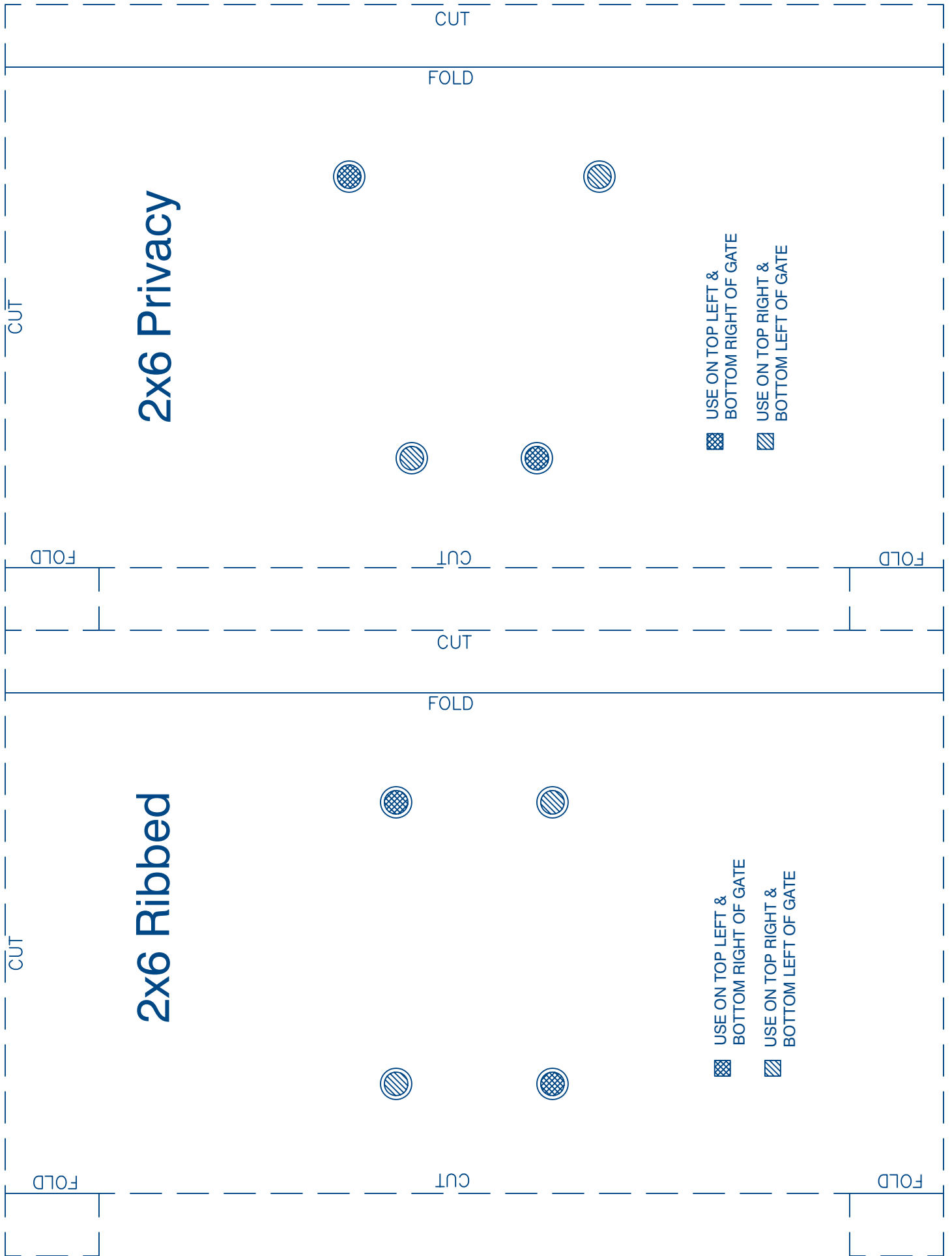


*** Caution – In climates that experience freeze-thaw cycles, this installation method could result in post cracking. This would not be covered by the warranty.*

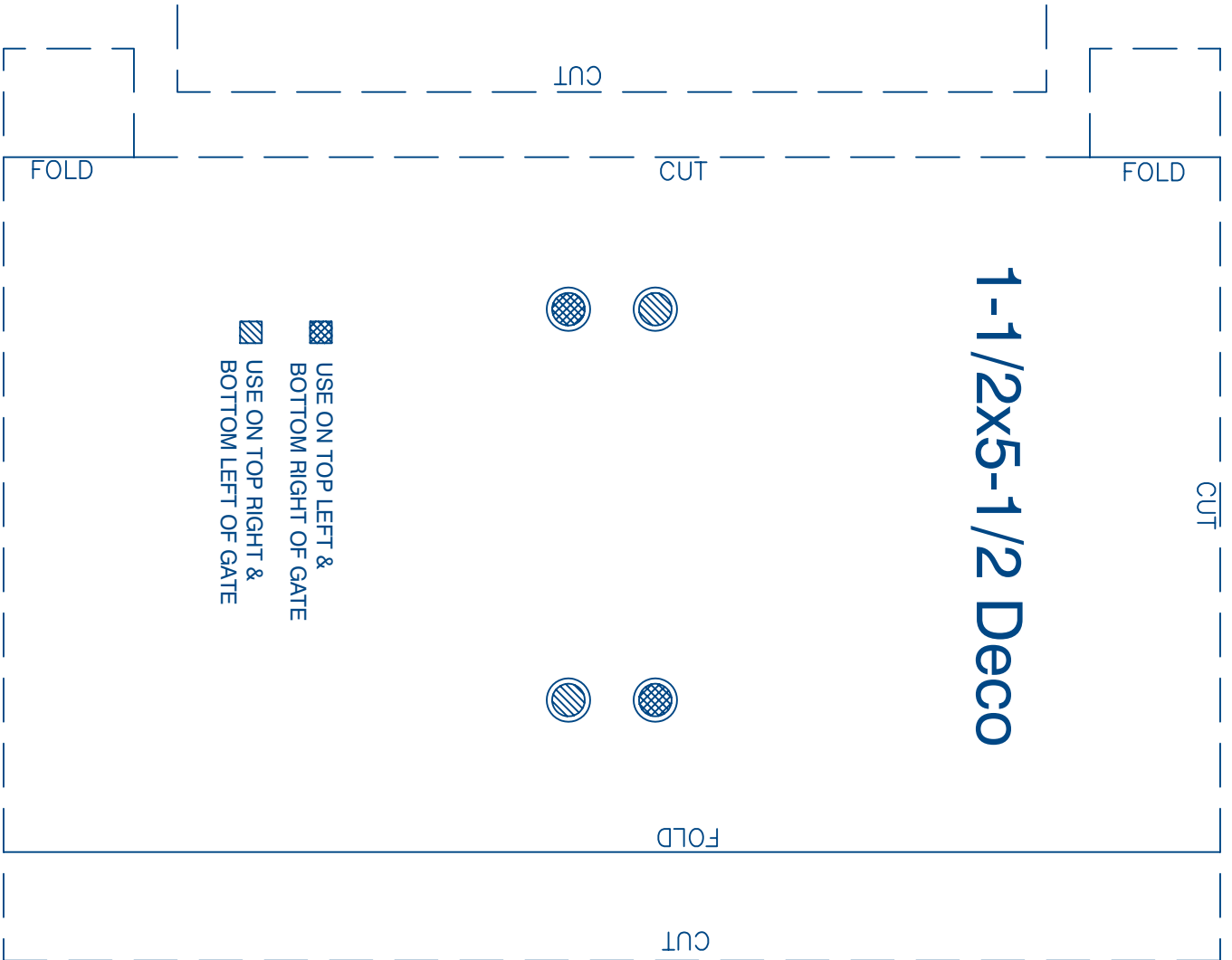
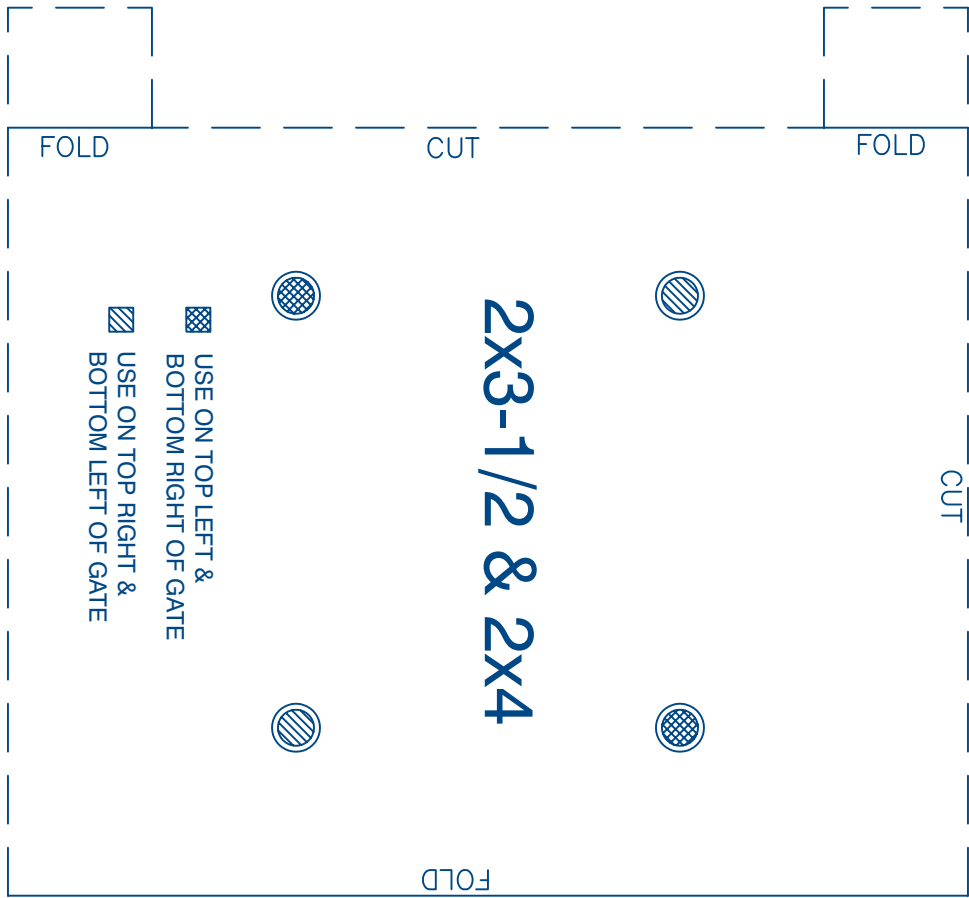
6. Railing Gates

Post should be reinforced with post support kit or sleeved over a wood post.

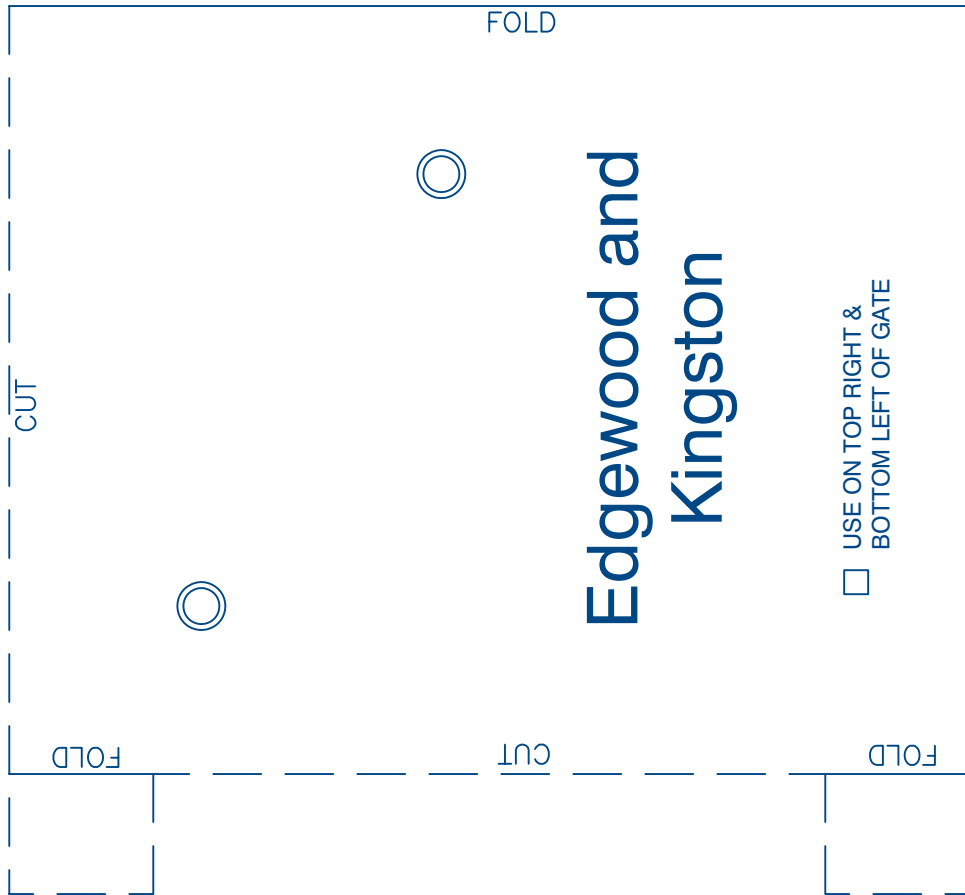
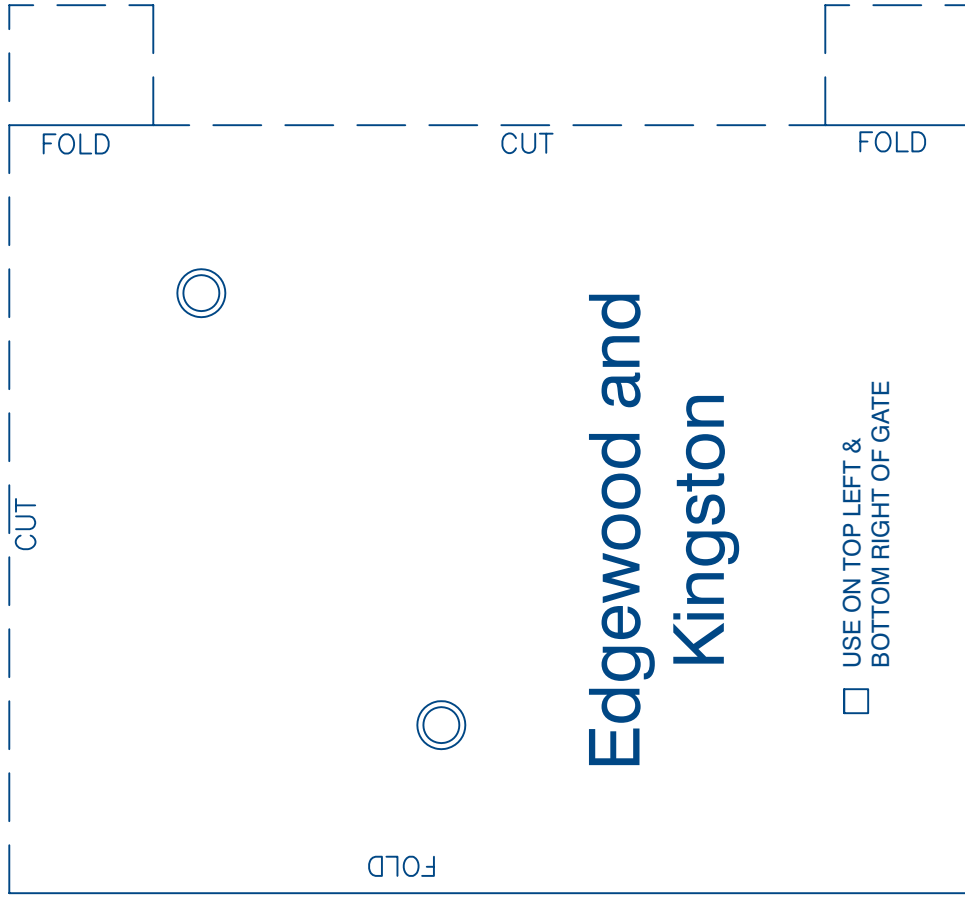
Screw templates for 2x6 Ribbed and 2x6 Privacy Rails



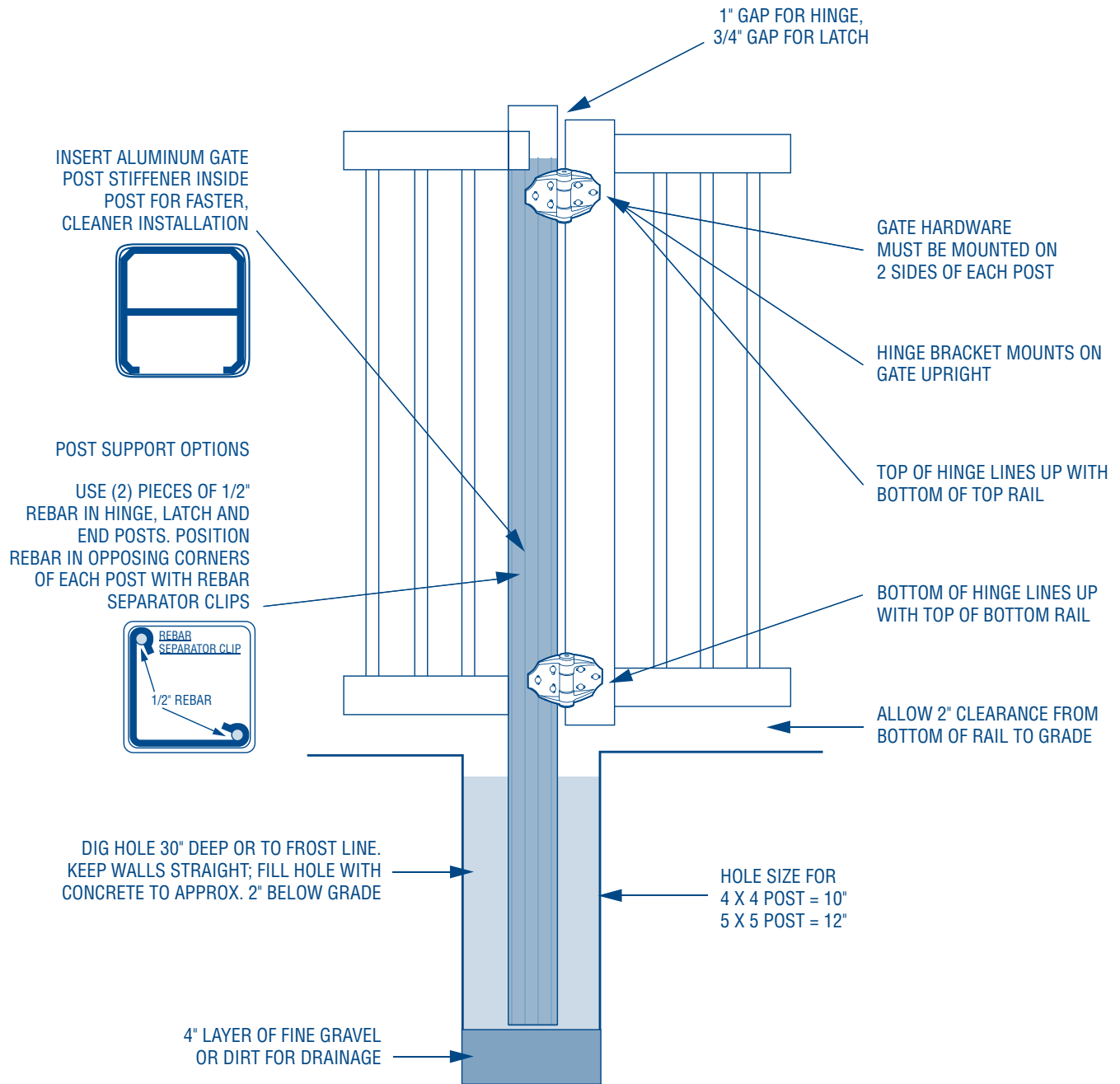
Screw templates for 2x3-1/2, 2x4 and 1-1/2x5-1/2 Deco Rails



Screw template for Edgewood and Kingston Rails



Anatomy of a Gate Hinge and Latch Post



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