



Composite Fence Gate (Model no. FG04) Installation Guide

v01 EN



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Fence Gate Installation Guide

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Important Note

Read All Sections Before You Start

For the latest information, please visit our website @ www.newtechwood.com

Prior to installing any composite product, it is recommended that you check with local building codes for any special requirements or restrictions. The diagrams and instructions outlined in this guide are for illustration purposes only and are not meant or implied to replace a licensed professional. Any construction or use of NewTechWood products must be in accordance with all local zoning and/or building codes. The consumer assumes all risks and liability associated with the construction and use of this product.

Safety

When dealing with any type of construction project, it is necessary to wear appropriate safety equipment to avoid any injuries. NewTechWood recommends the following safety equipment when handling, cutting, and installing NewTechWood products: gloves, respiratory protection, long sleeves, pants, shoes and safety glasses.

Tools

Please select the appropriate tools for installation.

Environment

A clean, smooth, flat, and strong surface is needed for the proper installation of NewTechWood products. Always check with local building codes before installing any type of product. If installation does not occur immediately, NewTechWood products need to be put on a flat surface at all times.

Planning

Plan a layout for your fence gate before starting to ensure the best possible fence gate for your project. We recommend drawing out a site plan of the proposed project to minimize errors and make the perfect fence gate.

Assembly

Before installation, check the parts in the box against the parts list on pages 6-7 of the installation guide. If any are missing, contact the dealer from whom you purchased this product to obtain the missing parts.

Overview of the Installation Procedures

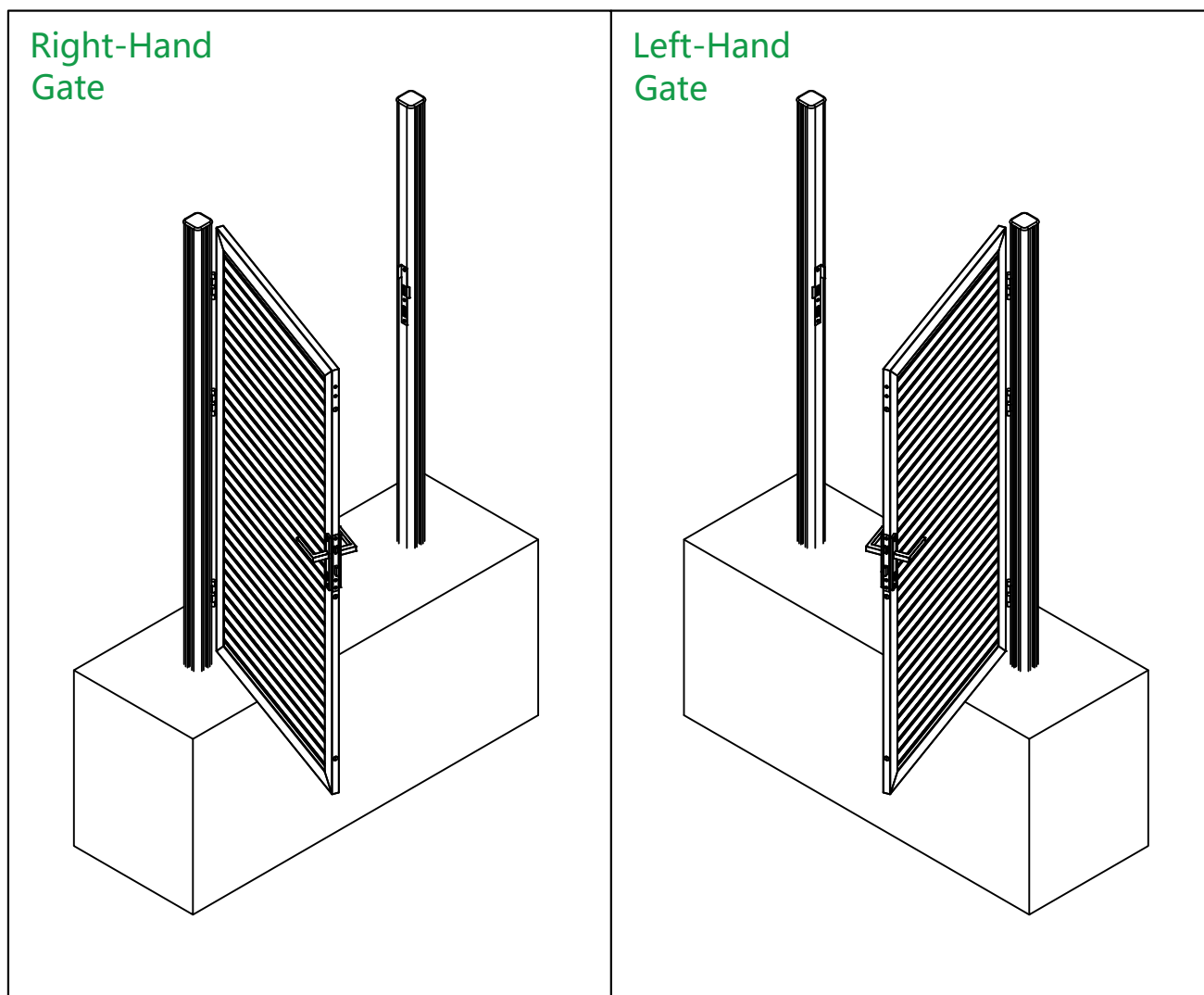
Step 1: Fence Gate Post Installation

- Determine the Direction of the Fence Gate Installation
- Measurement and Position
- Setting the Gate Posts

Step 2: Fence Gate Installation

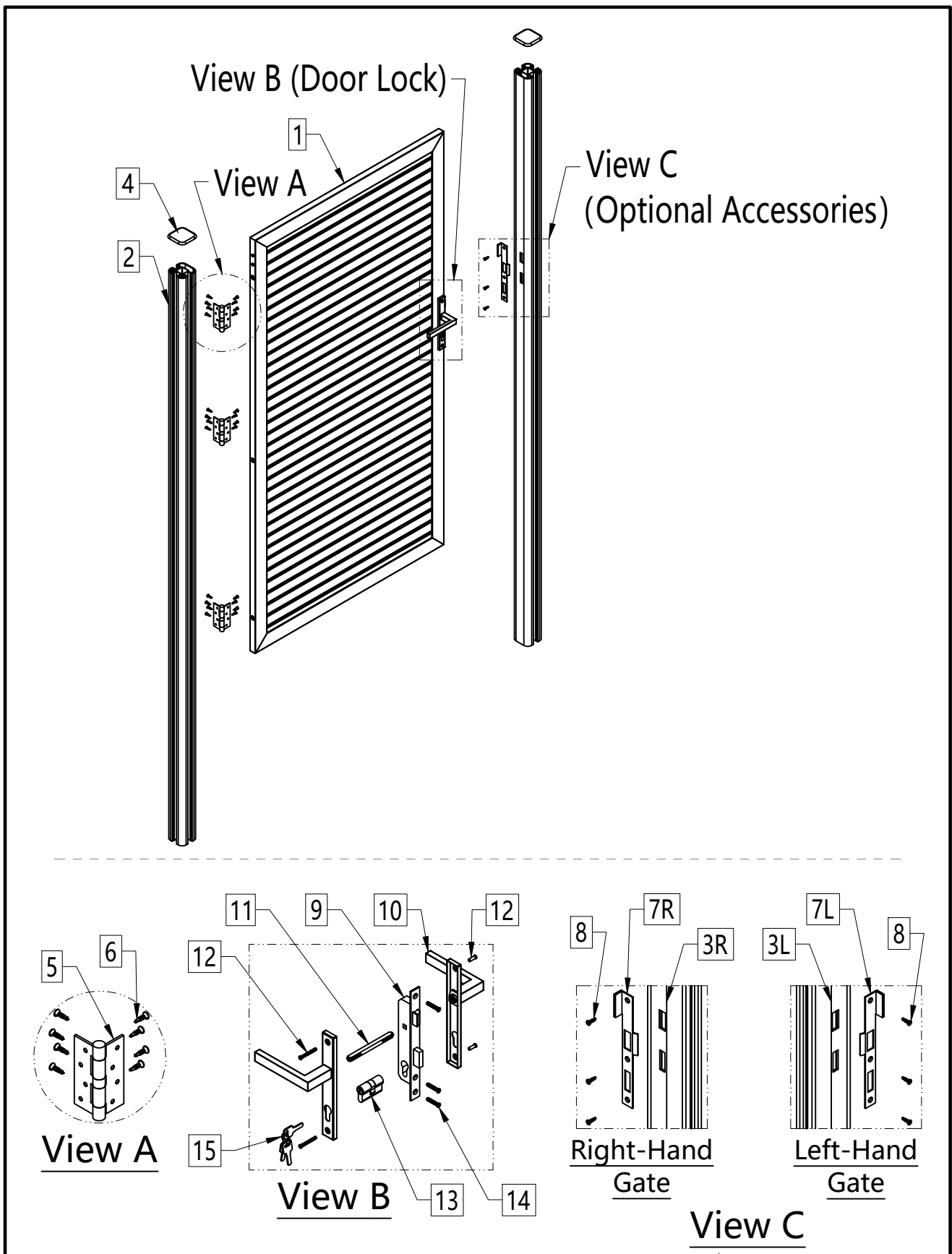
- Gate Hinge Installation
- Strike Plate Installation
- Gate Lock Installation
- Post Cap Installation

Determine the Gate Opening Direction before Installation

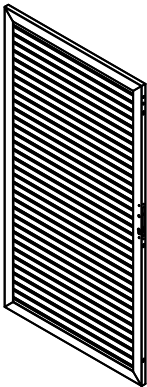
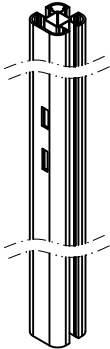
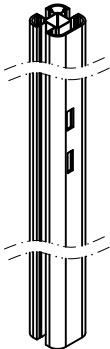


- ① Installation of the fence gate is divided into right-hand and left-hand orientation. Before installation, please determine the direction and install according to the installation guide.

Exploded View



Parts List 1

<u>No.</u>		<u>Qty</u>	<u>Name</u>	<u>Model No.</u>
1		1	Fence Gate	FG04
2		1	Fence Gate Post	AP16-2500
3R		1	Right-Hand Fence Gate Post	AP16-FG04-01R
3L		1	Left-Hand Fence Gate Post	AP16-FG04-01L

Parts List 2

<u>No.</u>		<u>Qty</u>	<u>Name</u>	<u>Model No.</u>
4		2	Post Cap	FN0223R
5		3	Gate Hinge	HG02
6		24	Phillips Recessed Flat Head Self-Drilling Screw	WJ0186
7R		1	Right Strike Plate	BKS-FG04-03R
7L		1	Left Strike Plate	BKS-FG04-03L
8		3	Phillips Recessed Flat Head Self-Drilling Screw	WJ0233
9		1	Lock Case	DL02#4
10		1	Handle	DL02#1
11		1	Handle Spindle Shaft	DL02#3
12		2	Binding Screw	DL02#2
13		1	Key Cylinder	DL02#5
14		3	Phillips Recessed Flat Head Machine Screw	DL02#6
15		1	Lock Key	DL02#7

Fence Gate Installation Guide

Step 1: Fence Gate Post Installation

- 1 Determine the opening direction of the Fence Gate (1#), then select the corresponding Gate Post (3R#/3L#), as shown in Figure 1.1 and Figure 1.2.

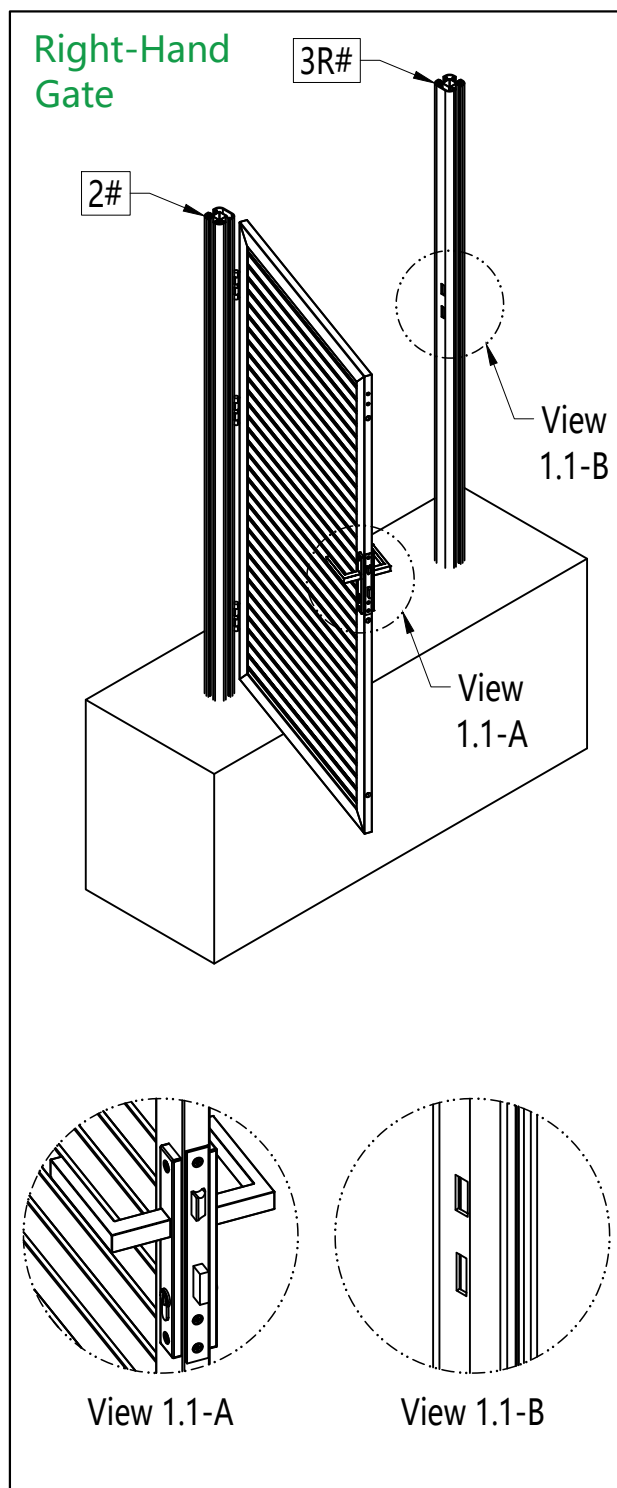


Figure 1.1

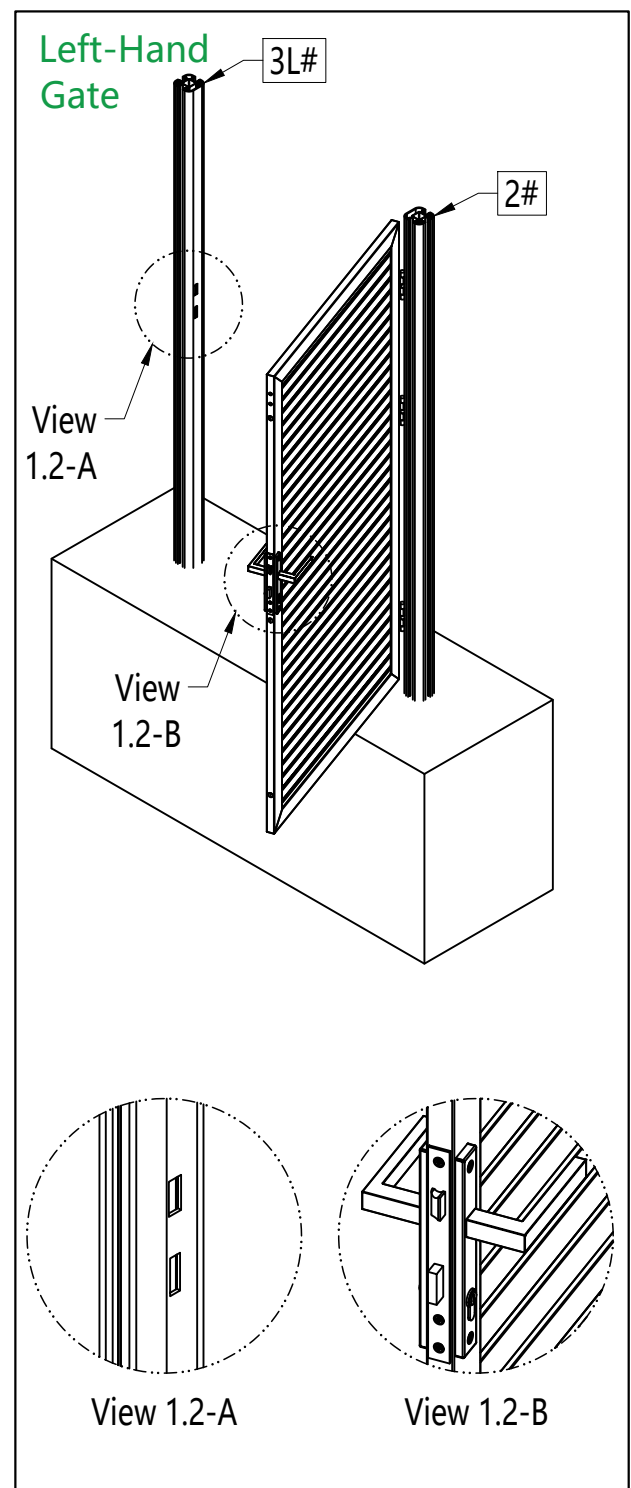


Figure 1.2

- 2 Measure and position the gate posts on the ground at a distance of 41-5/8" (1058 mm) on center. Draw a positioning mark for the fixed center positions, as shown in Figure 2.

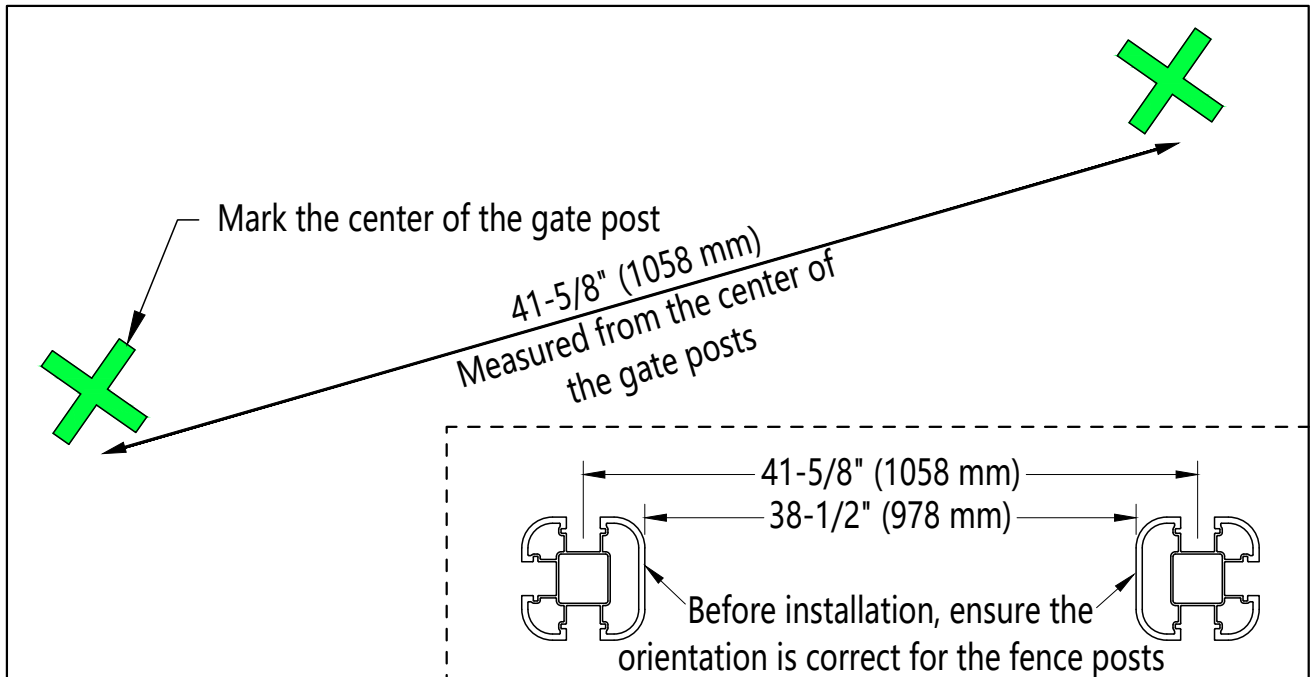


Figure 2

- 3 Dig a 29-1/2" (750 mm) deep hole, approximately one-third the height of the gate post, at the positioning mark. The diameter of the hole should be $\phi 9-7/16"$ ($\phi 240$ mm), three times the width of the posts.

Please Note:

In colder climates regions, digging will need to pass the frost line. Check online for the frost line in your area or contact your local building authority for advice.

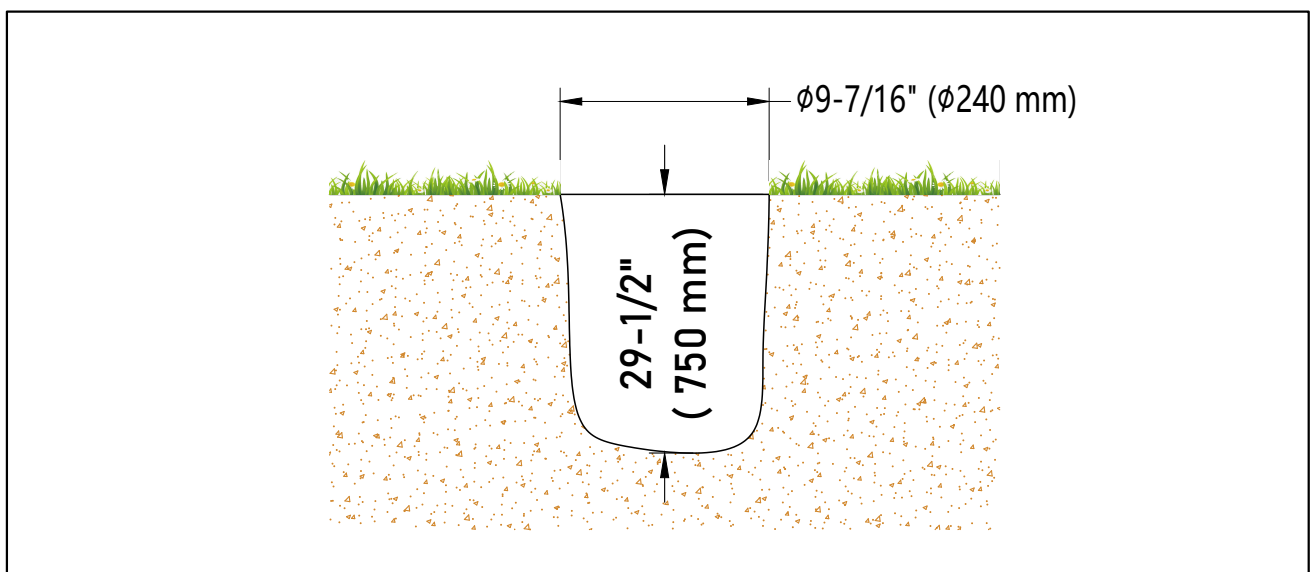


Figure 3

- 4 Lay 5-7/8" (150 mm) of gravel at the bottom of the hole to allow for proper water drainage, as shown in Figure 4.

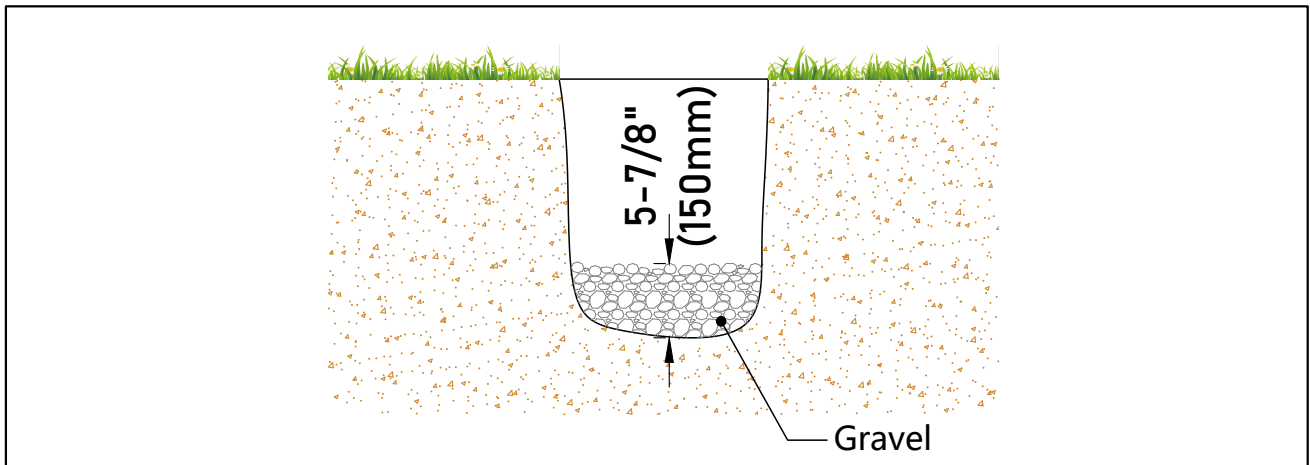


Figure 4

- 5 Place the gate posts in the middle of the gravel and ensure they are plumb. The distance from the post top and the ground should be 74-13/16" (1900 mm), as shown in Figure 5.1.

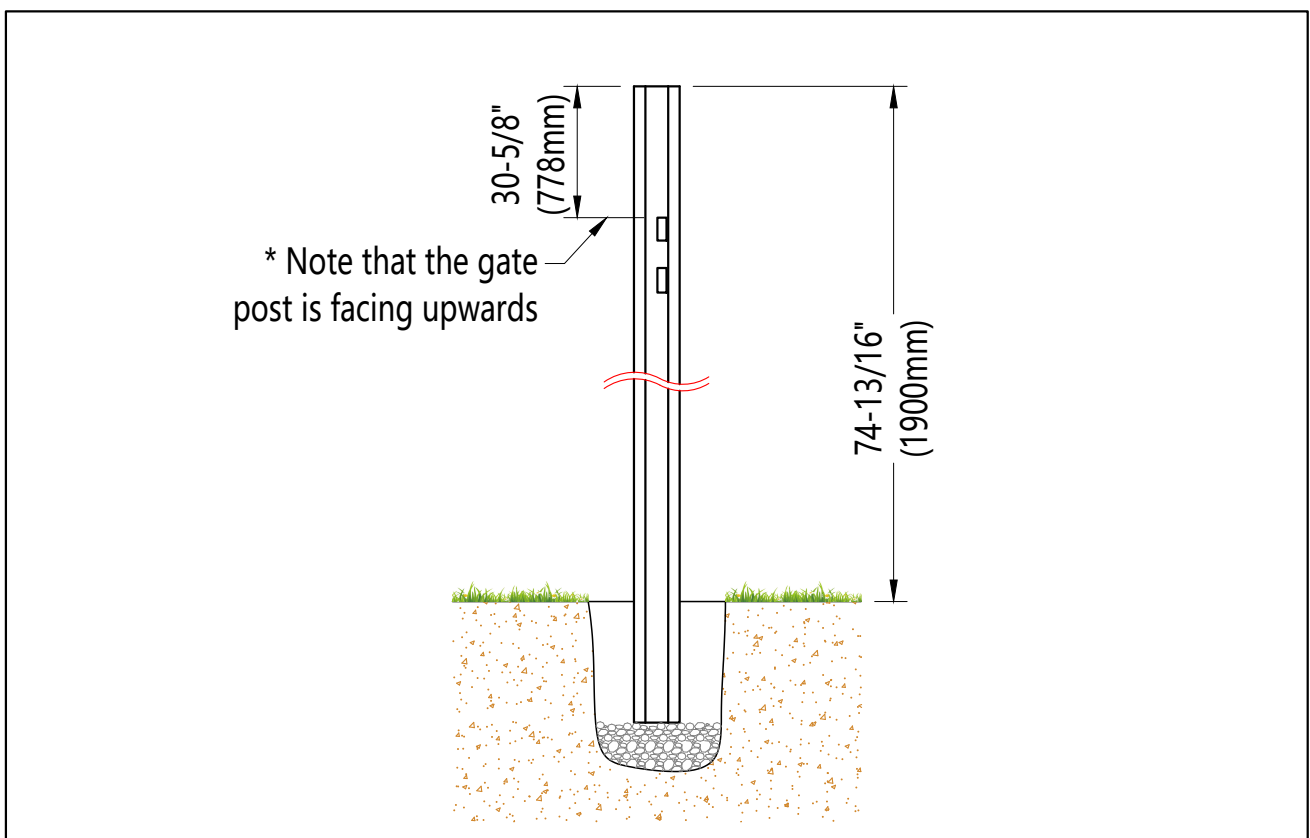


Figure 5.1

5 *Continued*

Insert the Gate Post with the Latch Holes (3R#/3L#) into the hole with the correct orientation, as shown in Figure 5.2 and Figure 5.3.

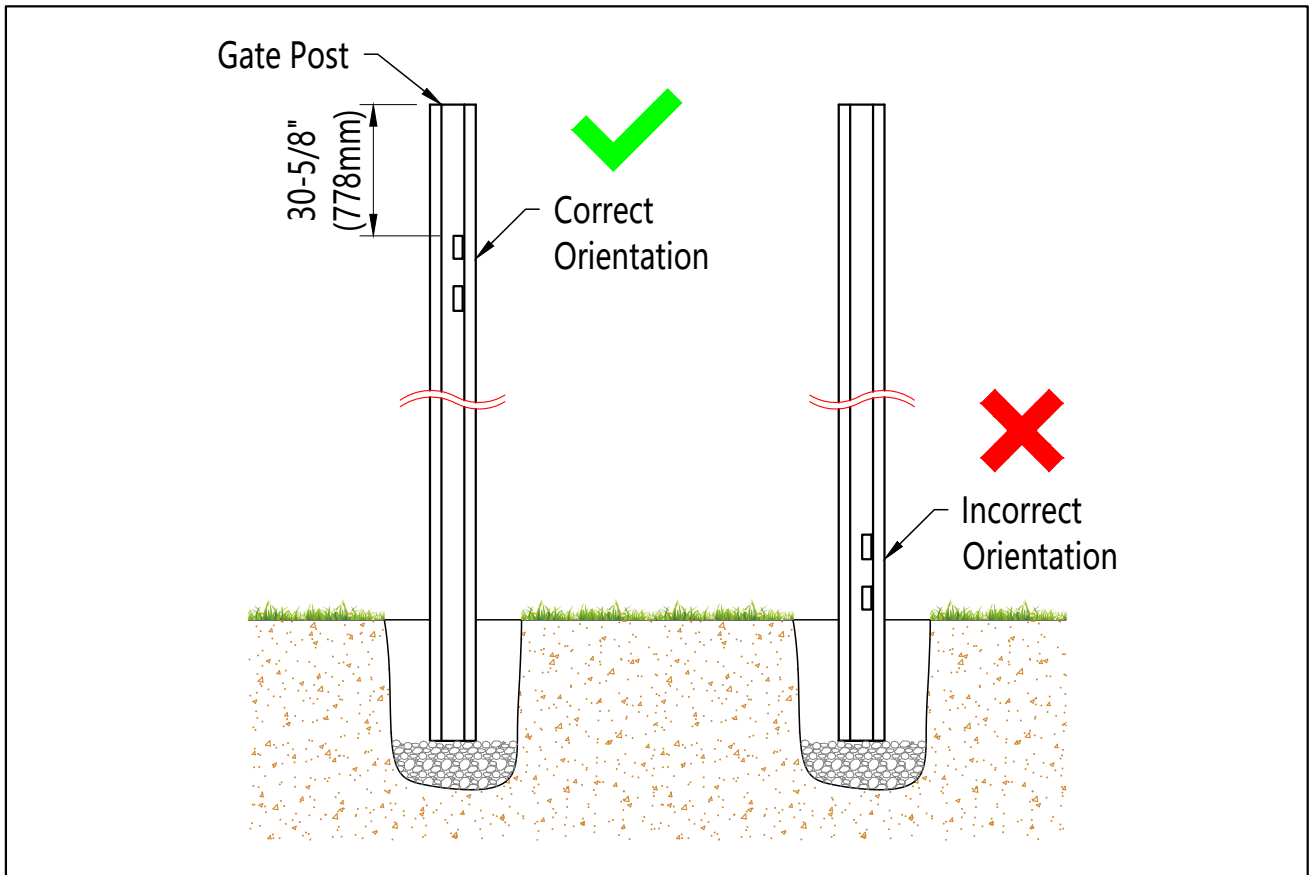


Figure 5.2

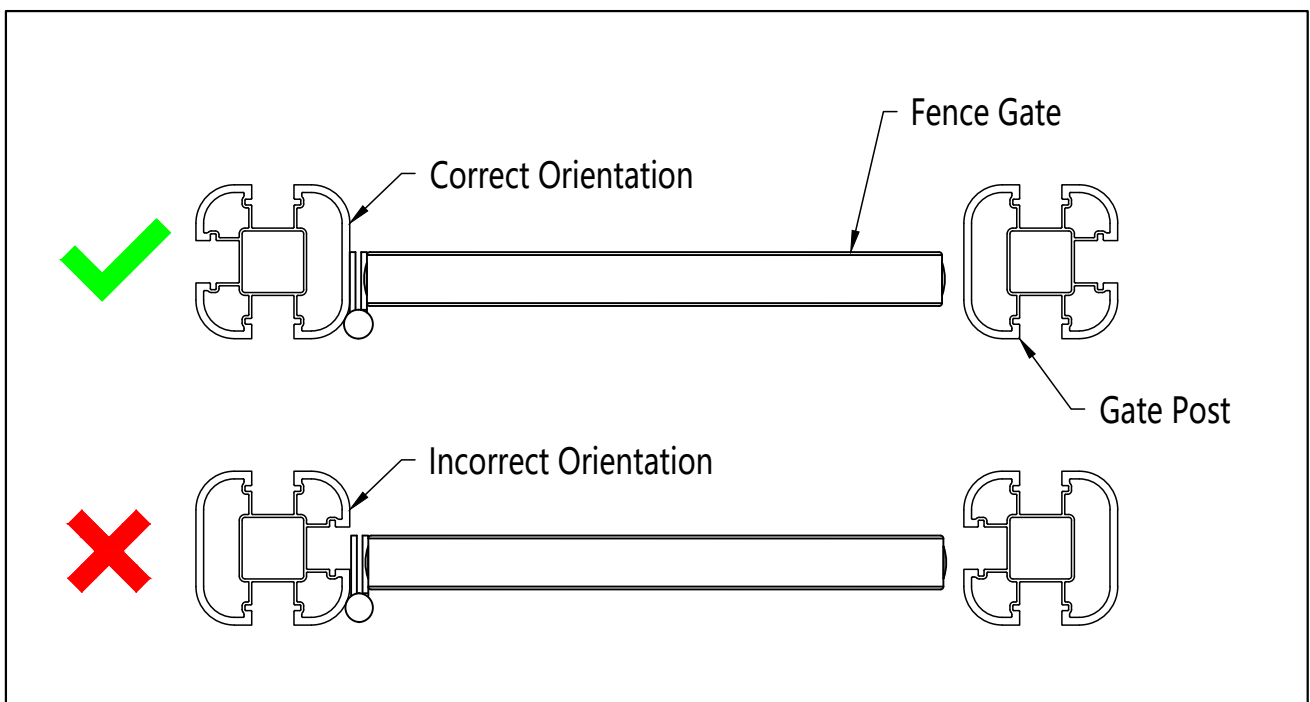


Figure 5.3

- 6 Pour concrete into the hole until it reaches 1-15/16" (50 mm) below ground, as shown in Figure 6.1.

Note: Be sure to pour concrete evenly around the posts.

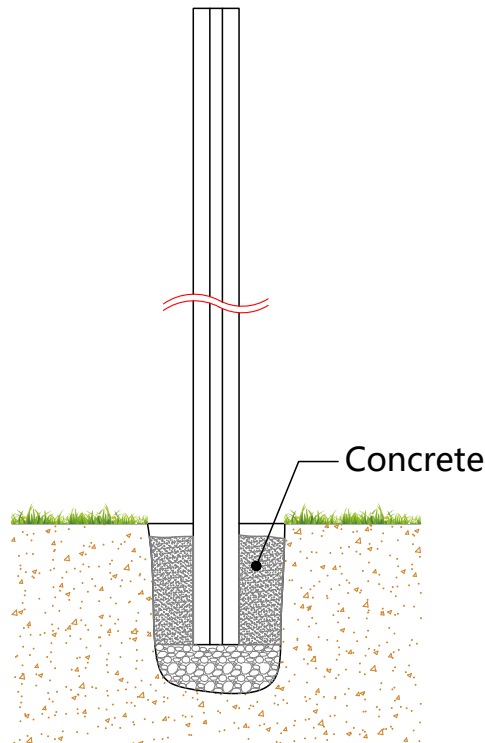


Figure 6.1

6 *Continued*

Please note it is necessary to ensure the gate posts are plumb before the concrete sets, as shown in Figure 6.2 and Figure 6.3.

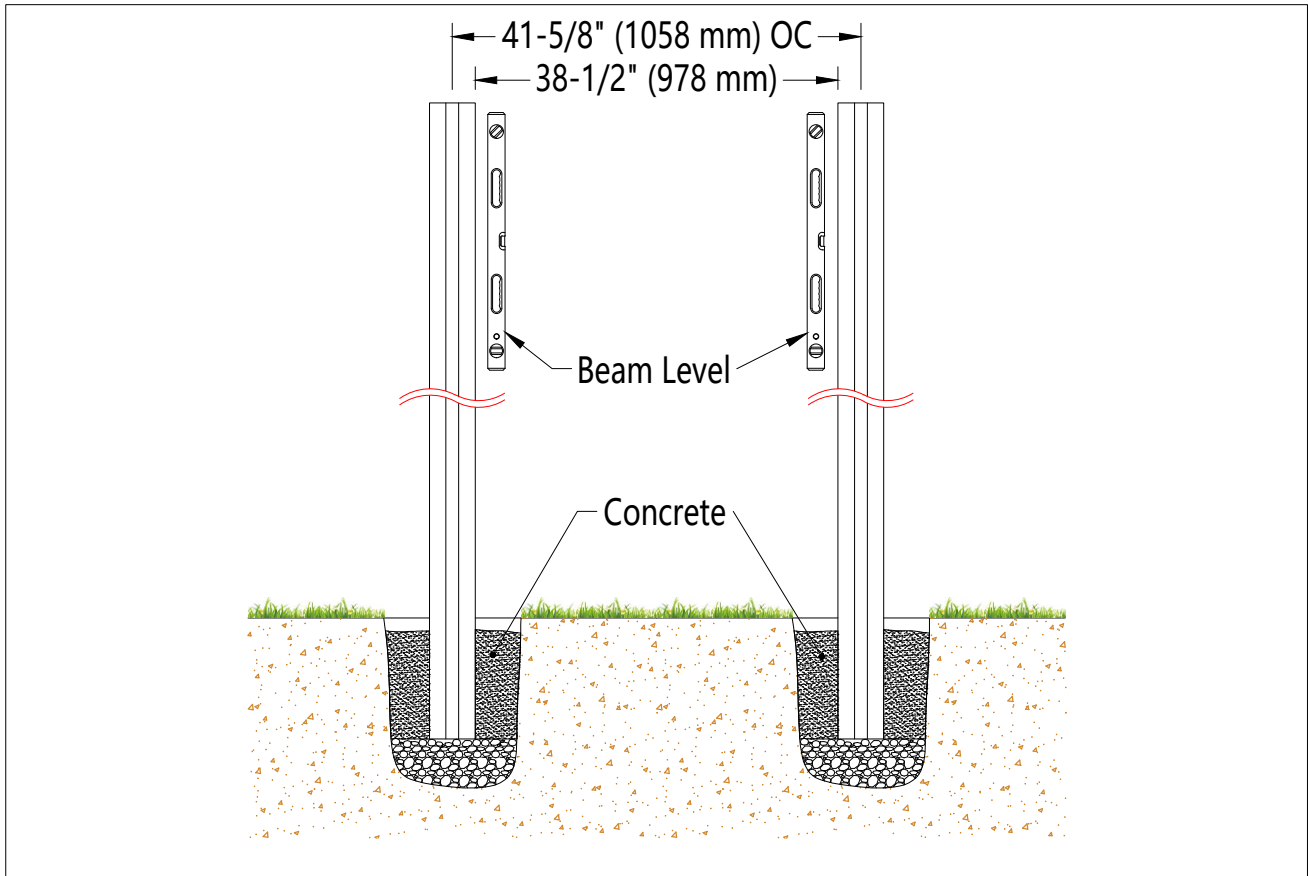


Figure 6.2

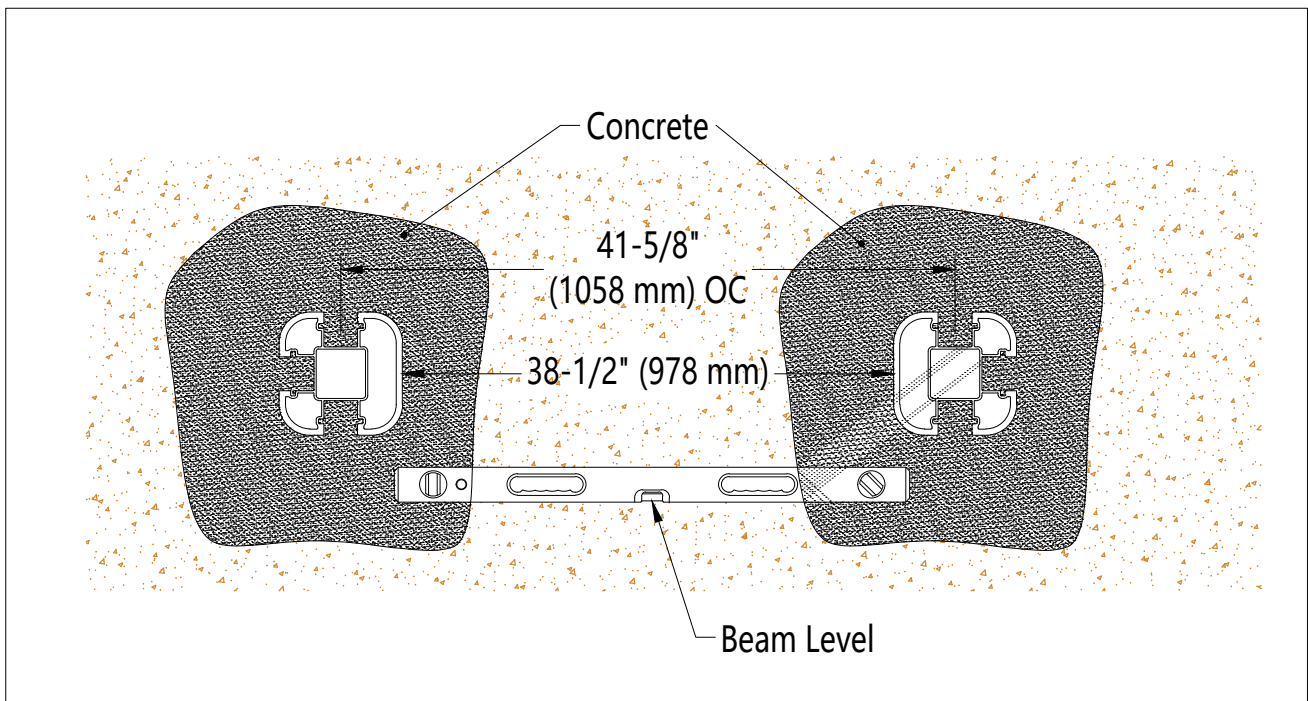


Figure 6.3

- 7 After the concrete has set and hardened, fill the top with soil as shown in Figure 7.

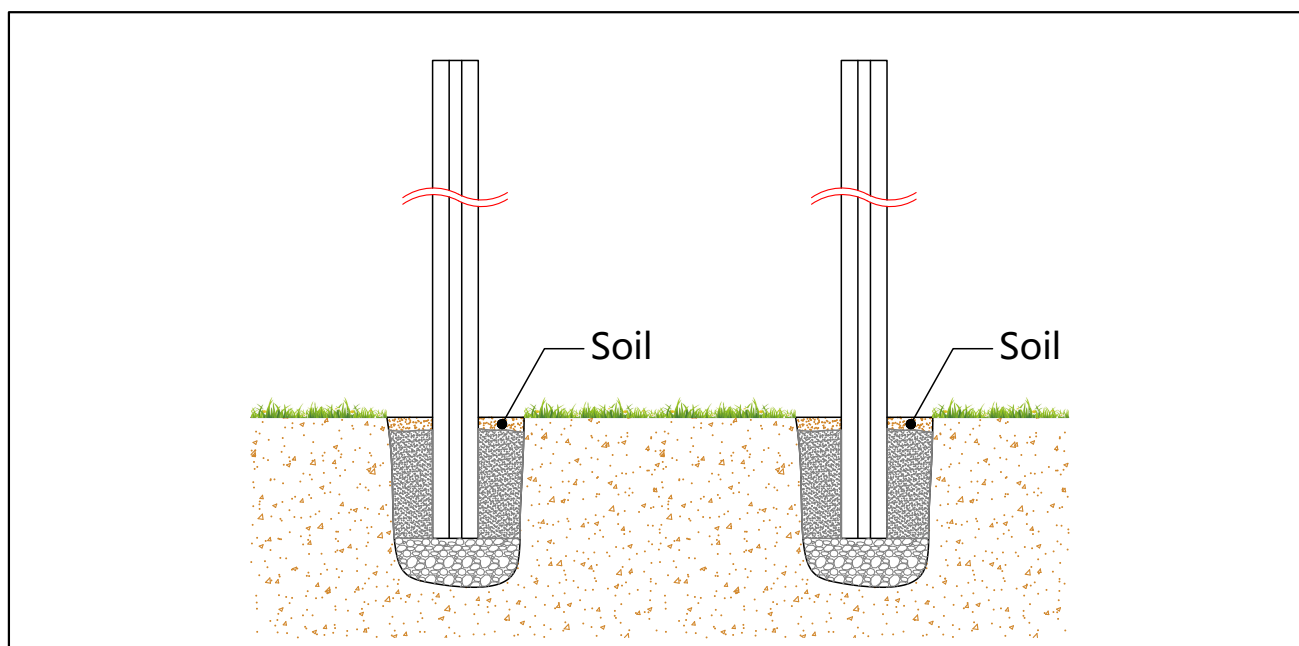


Figure 7

Step 2: Fence Gate Installation

- 8 Determine the Hinge (5#) installation position according to the opening direction of the Fence Gate (1#), as shown in Figure 8.1 and Figure 8.2.

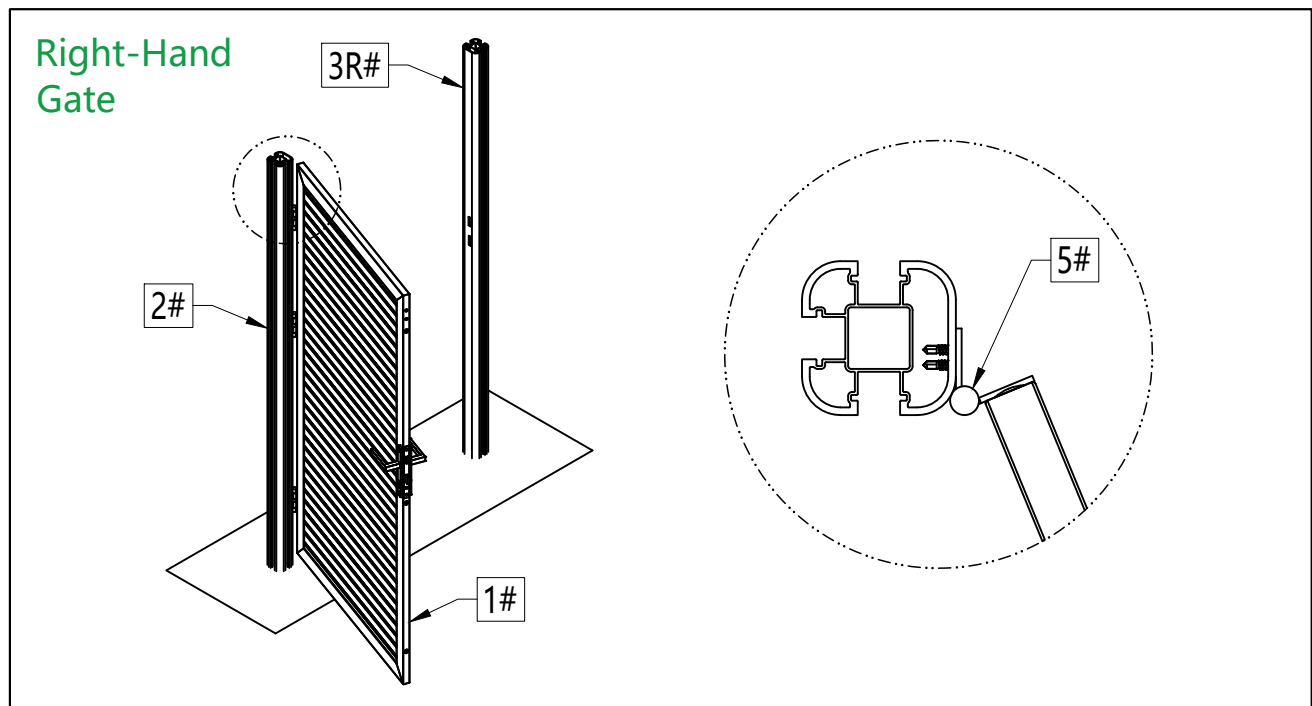


Figure 8.1

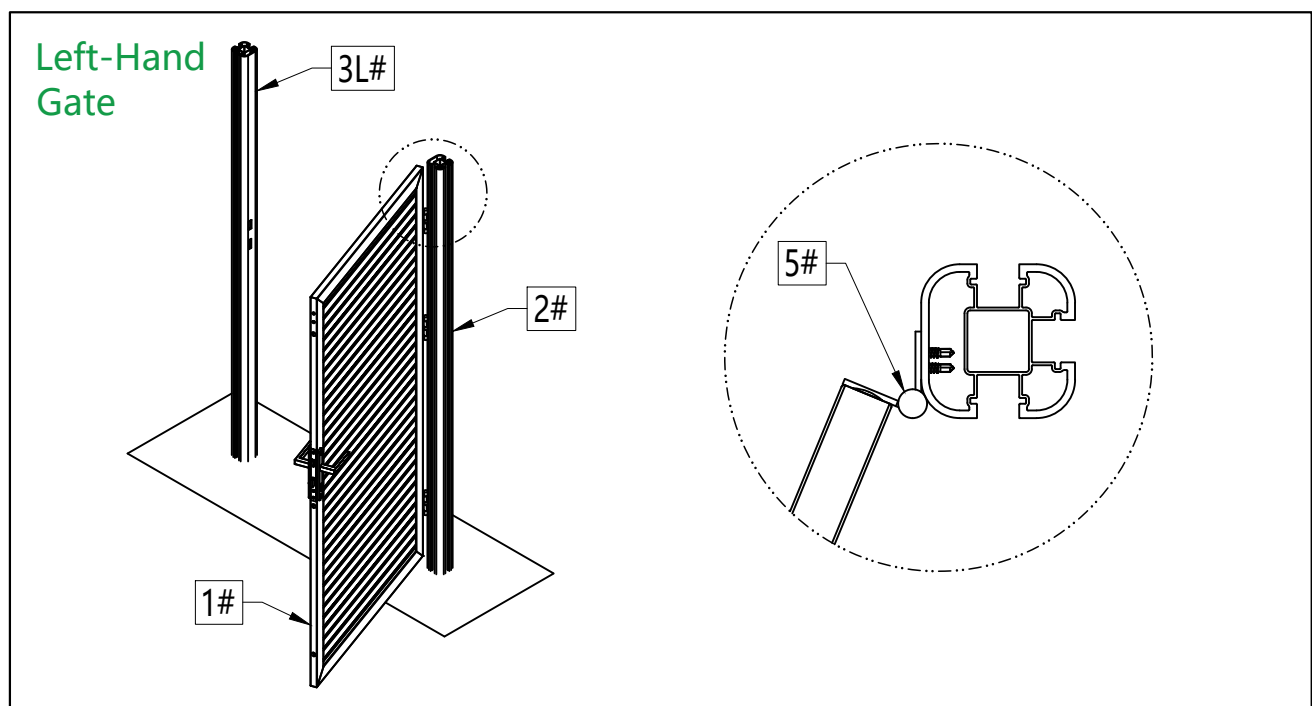


Figure 8.2

- 9 After confirming the direction of the Hinge (5#), measure the position of the hinge on the Fence Gate (1#). Then secure the hinge with Screws (6#), as shown in Figure 9.

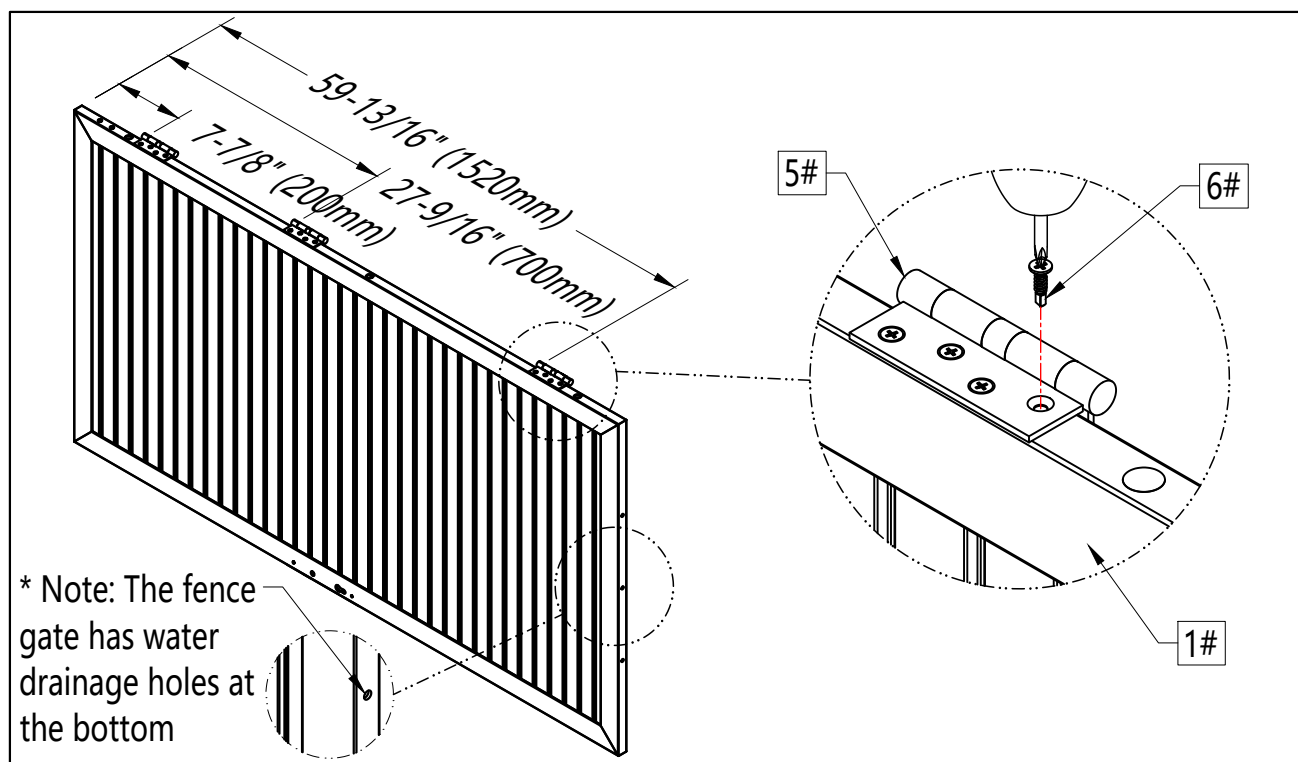


Figure 9

- 10 Put a supporting block under the bottom of the Fence Gate (1#) and adjust the block thickness until the Latch (9#) can go into the Strike Plate (7R#/7L#) lock hole completely. Then fix the fence gate on the posts with Screws (6#), as shown in Figure 10.

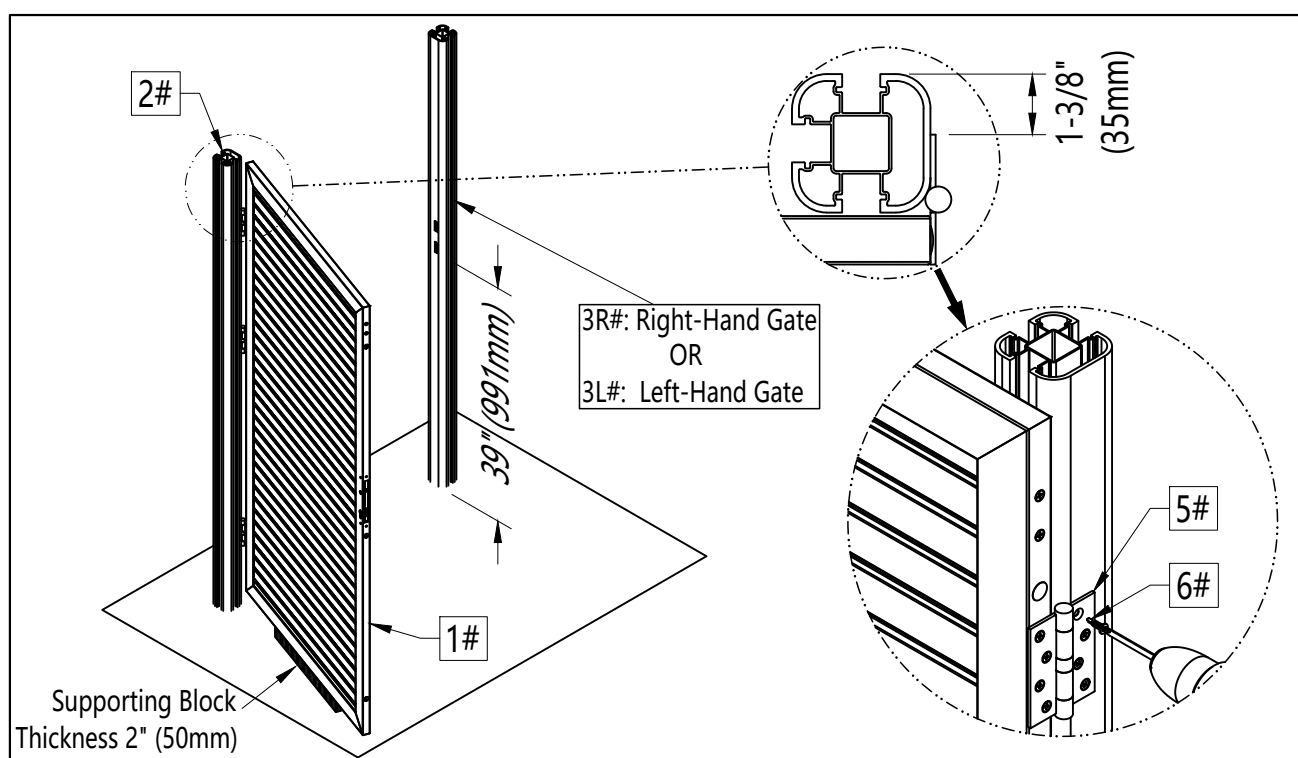


Figure 10

- 11 Put the Strike Plate (7R#/7L#) onto the Gate Post (3R#/3L#) in place and fix it with Screws (8#), as shown in Figure 11.

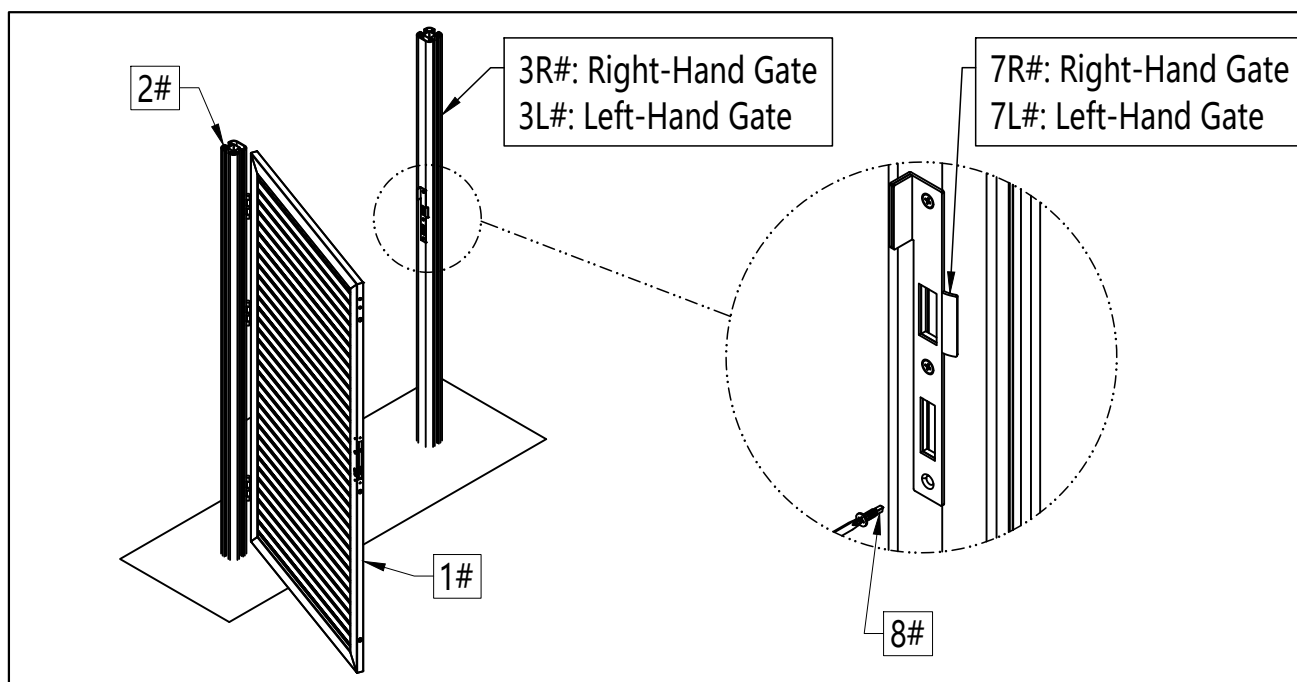


Figure 11

- 12 Check the gate lock's latch orientation to see if it is correct, as shown in Figure 12.1.

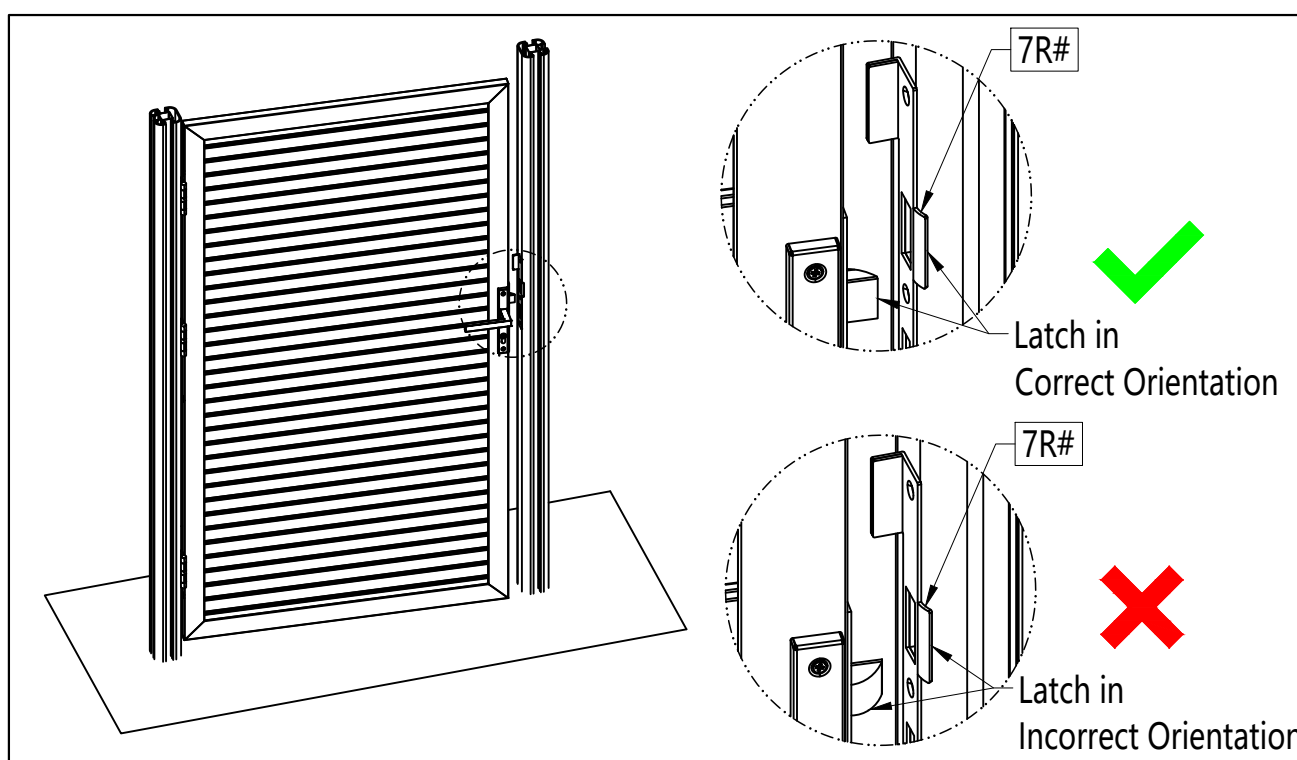


Figure 12.1

12 *Continued*

Adjust the orientation for the gate lock latch following the steps shown in Figure 12.2.

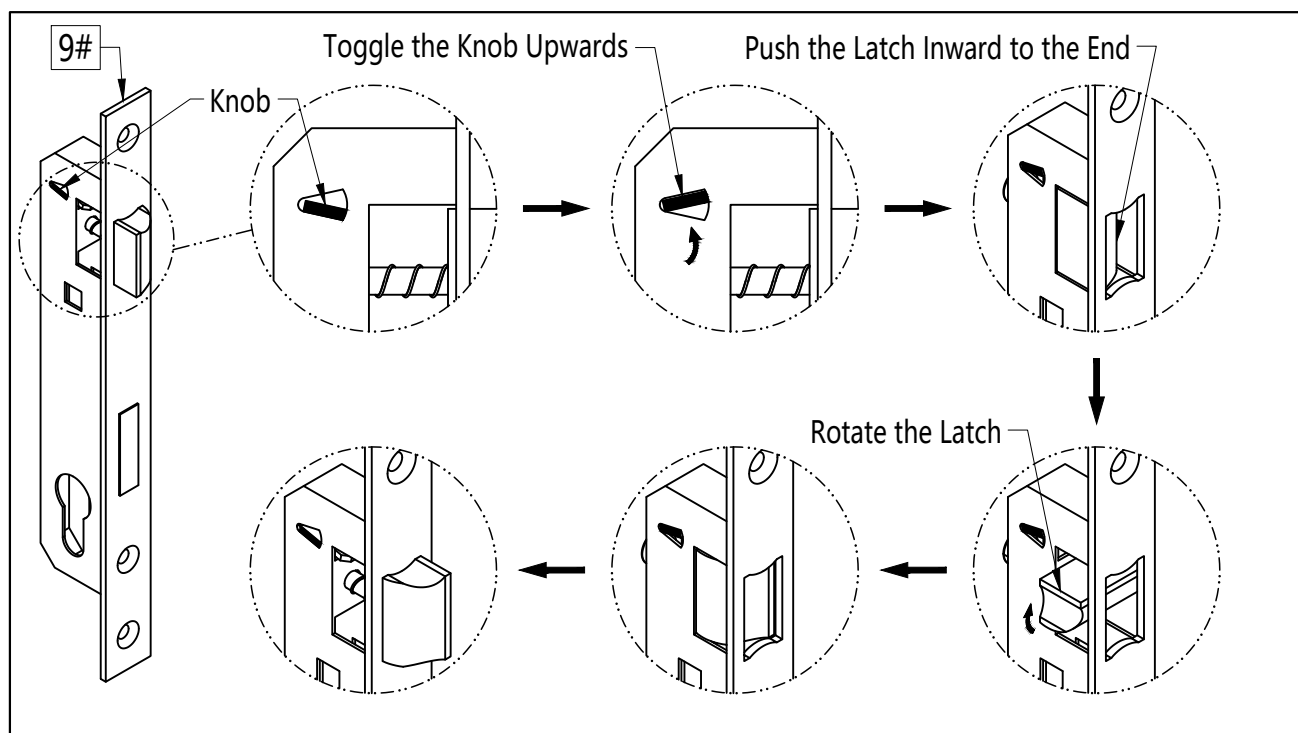


Figure 12.2

- 12 Install the Lock Case (9#) with correct facing latch onto the Fence Gate (1#) with Screws (14#), as shown in Figure 12.3.

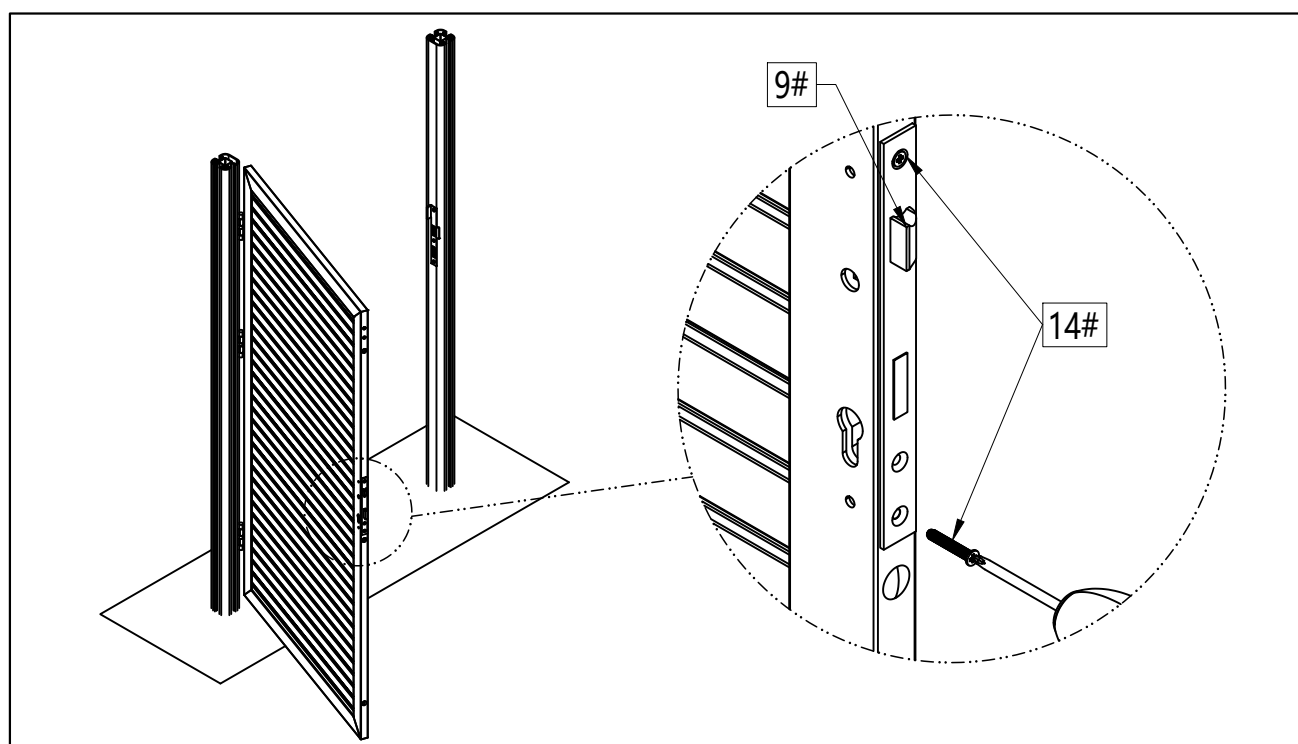


Figure 12.3

- 13



14#

- 14



10#

- 15 Attach the Post Cap (4#) on the top for each gate post to complete the installation, as shown in Figure 15.

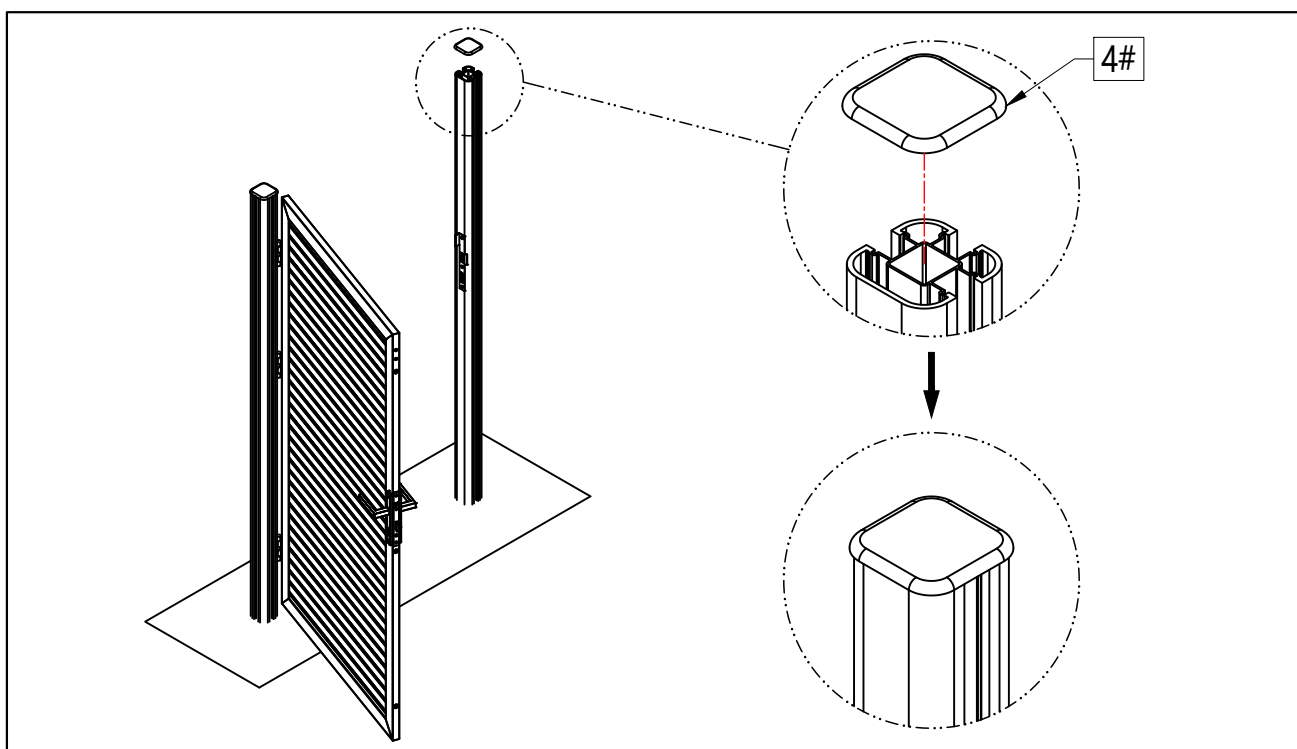


Figure 15



Composite Fence Gate (Model no. FG04) Installation Guide

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