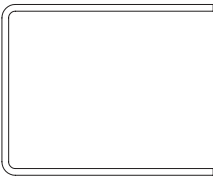# HERITAGE FENCE SYSTEM

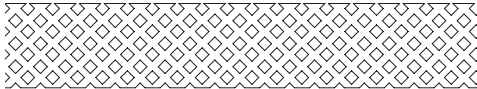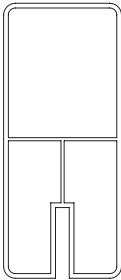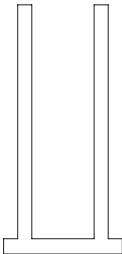## Privacy Fence and Gate Installation Instructions

Knock-Down (KD)
Standard 8-Foot Panels
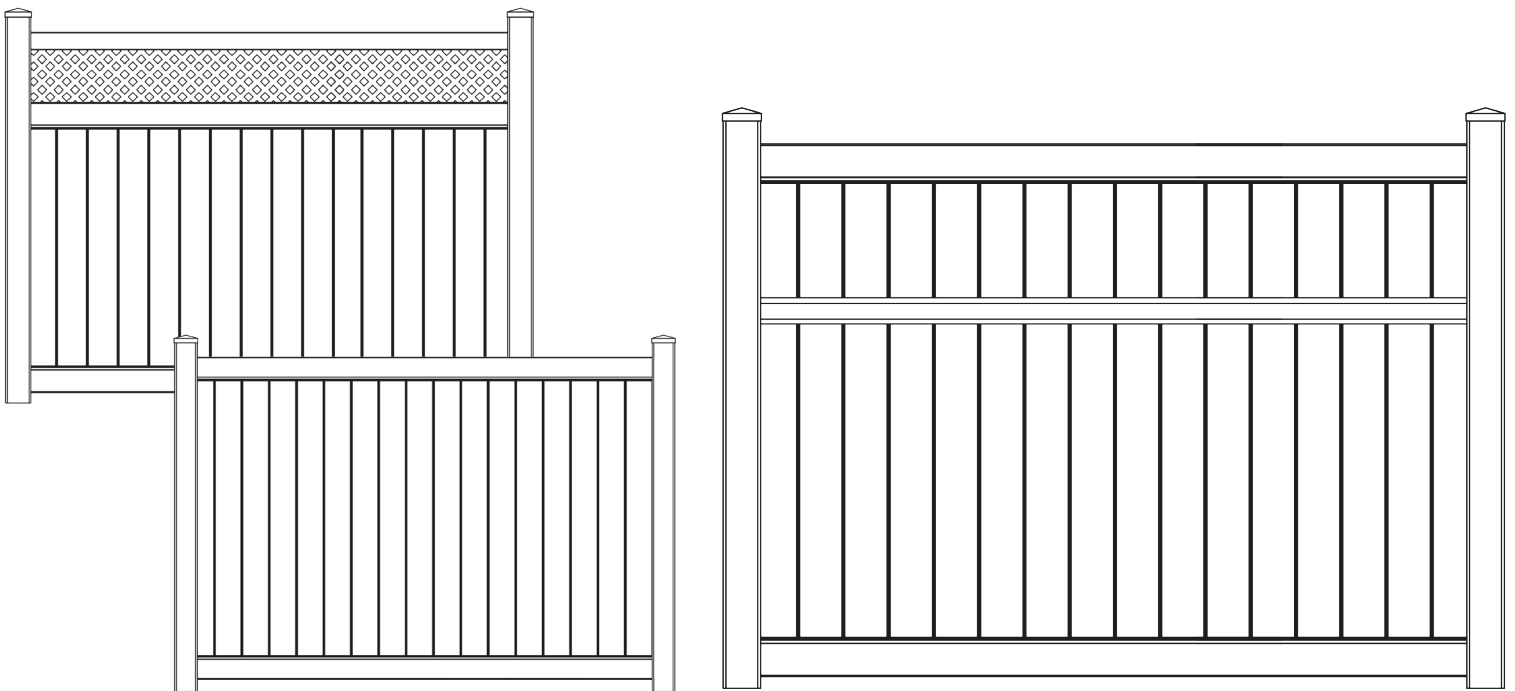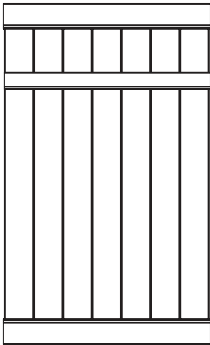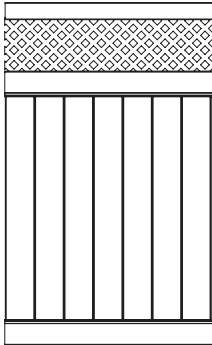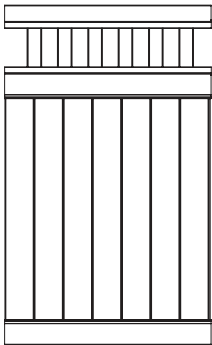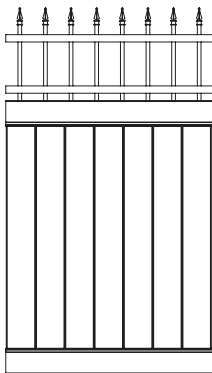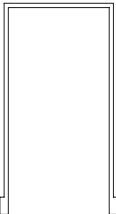
ALLSEASON PVC FENCES
VINYL OUTDOOR PRODUCTS

Standard Parts List for Pre-Assembled Panels (KD)

PROFILES for PANELS	Length
Rail - 1½" x 6"	96"
Picket - ⅞" x 6"	49" 63" 75"
Metal Reinforcement for Bottom Rail 1.27" x 1.57"	96"
Decorative Middle Rail 0.2" x 3½"	96"

TOPS	Length
8-Foot Lattice Top 72½" x 12"	96"
Top Rail 1½" x 3½" 72" Length	96"
Lattice U-Channel Adapter 0.51" x 1.06"	96"

Common Parts

Privacy Gate
48" x 70"

Gate with Lattice Top
48" x 70"

Gate with Picket Top
48" x 70"

Gate with Aluminum Top
48" x 70"

Aluminum
Side Rail
70" Length

Note: Tops come separately for all three available gates, and require minor assembly on the job site.
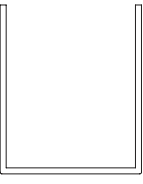
Common Parts

POST		
5" x 5" H-Post	84"	
	108"	
	120"	

POST ACCESSORIES	Length	
Post End Bracket	4"	
	72"	
	84"	
Post End Filler	84"	
	96"	

POST CAP	Length	
Pyramid		
New England		
Deluxe		
Gothic		

GENERAL INFORMATION

Read this instruction manual completely before beginning.

During panel/gate assembly, work on a soft, non-abrasive surface to avoid scratching the PVC.

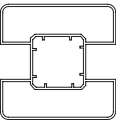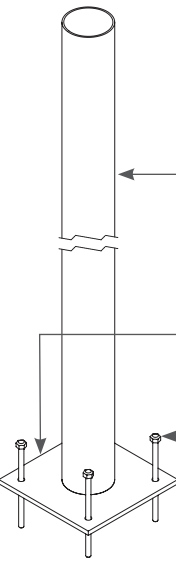When cutting PVC components with a power saw, use a fine-toothed blade (plywood blade, finishing blade, etc.).

Laying out the fence is a critical step towards ensuring a quality installation.

POST REINFORCEMENT	Length
Galvanized Pipe - 1⅞", 16 Gauge	84"
Galvanized Pipe with Flange	42"

Galvanized Steel Pipe
1⅞" 16 Gauge
Length: 42"

Pipe Flange
4½" x 4½" x 0.2"

⅜" Concrete Anchor
Bolt x 4 pcs.

ACCESSORIES	Quantity
SS Screw #10 x 1" (Long Screw)	40/box (2,000)
SS Screw #10 x 2⅛" (Short Screw)	100/bag
Plug	40/box (500)
HInges	2 pcs./bag
Latch	1 pc./bag

Heritage Fence System Anatomy

Primary Components (KD): 5" x 5" H-Post, 1 $\frac{1}{2}$" x 6" Rail, $\frac{7}{8}$" x 6" Picket, 1 $\frac{7}{8}$" 16 Gauge Pipe

The Heritage Fence System is designed for aesthetics, high-performance and easy installation. The "smart and unique" H-Post is engineered for easy and perfect installation; suitable for all landscapes including sloping and uneven terrain, as well as irregular property lot shapes, and does not require routing of the post to accommodate rail assembly. The KD System requires metal reinforcement for the bottom rail. The Heritage Fence System is structurally sound for fence sections up to 8-foot width and 7-foot high.

End Post/Gate Post   Middle Post   Corner Post
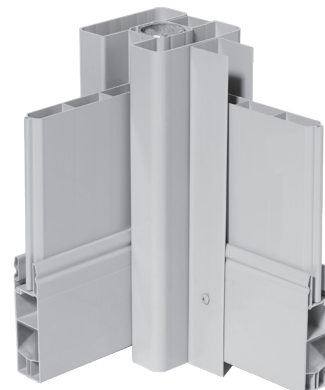
Fence Layout

Before you start, it's important to check:

• That fence footings do not exceed legally established property lines. Consult a professional surveyor.
• Local codes for specifications regarding frontage locations, allowable fence heights, etc. A permit may be required.
• With local utility companies for locations of underground cables or pipelines.

End Post

Middle Post

End Post

String

Gate Post

Corner Post   Middle Post   Corner Post

Centre-to-Centre
Max. Opening
55"

98 5/8"   98 5/8"
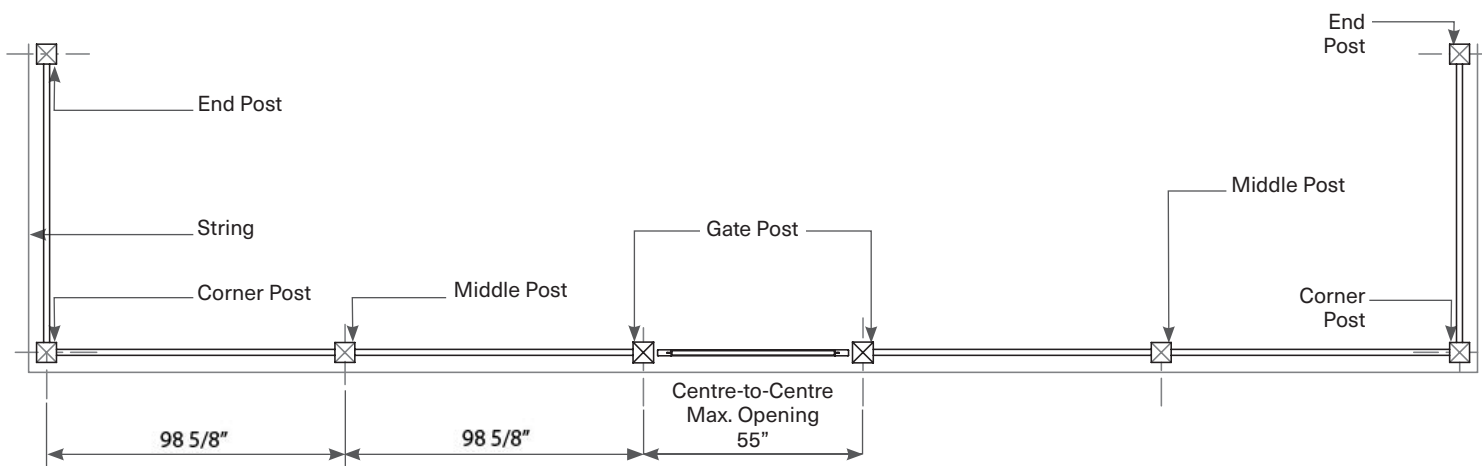
Figure 1: Fence Layout

STEP 1

Locate the boundary lines to your property.

STEP 2

• Drive stakes into the ground along the property line and stretch a sting between each stake.
• Be sure to extend the string about 24" beyond the property line.

STEP 3

Please follow the guideline below to position the posts:

• When using standard 8-ft KD panels, the distance between posts should be 98 5/8" centre-to-centre.
• When using standard 4-ft gates, the distance between the posts should be 55" centre-to-centre.
• In case the overall length of the fence is not exact multiplication of 98 5/8", leave the distance for the corner posts to be less than 98 5/8". Determine these distances, as the panels connected to the corner posts must be cut according to the actual distances. Note for instruction below to determine the length of panels connected to the corner posts.

Post Installation

All Season Fencing recognizes different kinds of installations of post into the ground, including "Dry"/"Post Mount", "Concrete"/"Dig & Pour", and "Anchor to Concrete" methods. Whichever method you choose, please follow the building code requirements in your area to ensure safety and durability. In the areas with ground frost, please ensure meeting the minimum depth for the post and using systems that minimize lifting of the post during frost.

Note that All Season Fencing supplies reinforcing metal tube for its fence post, which is applicable for both the "Concrete" and "Dry" installation of the post. Please contact us for further inquiry.

FLAT TERRAIN INSTALLATION

For typical installations on flat ground, the posts are to be set at an elevation with approximately 2" clearance between the bottom end of the bottom rail and the ground.

Set all posts to the desired elevation. It is recommended that the top level of the posts are between 75" and 77" above the ground.

SLOPED/VARIABLE TERRAIN INSTALLATION

For installation on sloped/variable ground, it is recommended to use "stepped" or "racked" installation method (see illustration below). Note that the clearance under the fence will increase as the grade drops off.
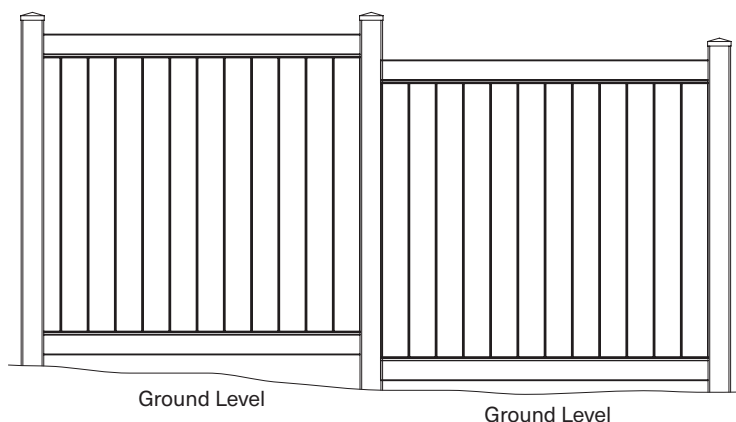

Ground Level   Ground Level   Ground Level   Ground Level

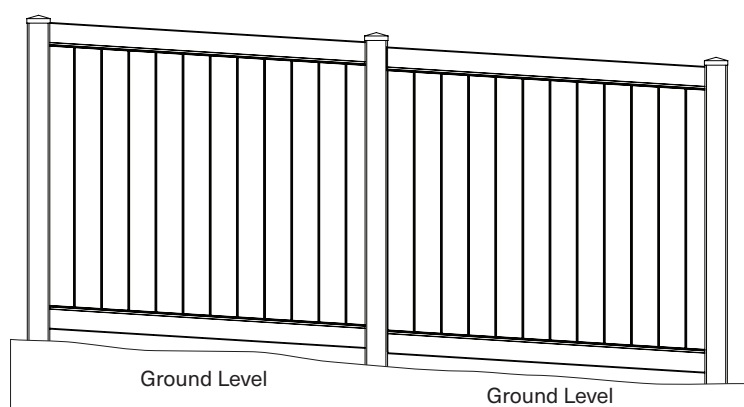**Figure 2: Stepped Installation**   **Figure 3: Racked Installation**

Installation of Privacy Fence Panels

Note:

i) All privacy fence components come as pre-cut profiles or knock-down (KD) components from the factory. Refer to Page 2 for sizes.

ii) When installing Privacy fence with lattice top, install the bottom part of the fence as if to build a 96" x 57" privacy fence.

iii) When installing fence panels, always start at the End Posts and Gate Posts, then Middle Posts. Install the panels connected to the Corner Posts last.

iv) It is recommended to use panels components with full width (96") for most gaps between posts, except those near the Corner Posts. If the gaps near the Corner Posts are less than the standard gap, cut the panel components, especially the horizontal fence components, to fit to those gaps.

INSTALLATION OF BOTTOM HORIZONTAL RAIL TO H-POST

For End Post and Middle Post

Note: **Posts installed with this method have slight rotational wiggle room**

- Insert the metal reinforcement in the bottom rail.
- Insert one end of the bottom rail into the cavities of both H-Posts. The rail profile may have to be inserted into the cavities on a vertical angle.
- Level the horizontal bottom rail with the lowest level of the rail about 2" above the ground. If necessary, put wooden blocks while securing the rail profile to both H-Posts (Figure 4).
- To secure the rail to the H-Posts, start by drilling $5/8$" holes, one for each connection between H-Post and horizontal rail profile, on one side of the H-Post at a location roughly in the middle of the horizontal rails (Figures 5 and 6).

- Use the long screws (#10 – 2½" length) to secure the rail profile into the H-Post.
- Insert the plastic plug to cover the holes on the H-Posts.
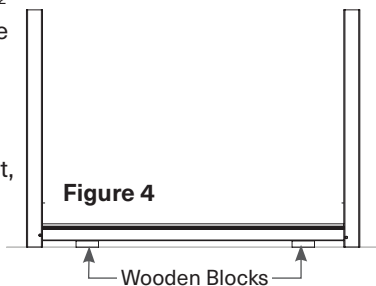- For the End Post and Gate Post, slide Post End Filler into the open groove of the H-Post (see illustration).
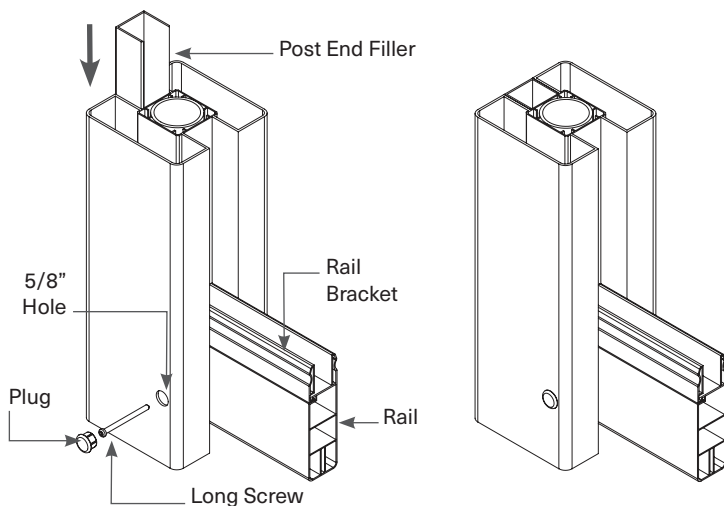

Figure 4

Wooden Blocks

Post End Filler

5/8" Hole

Rail Bracket

Plug

Rail

Long Screw

Figure 5 - Before   **Figure 5 - After**

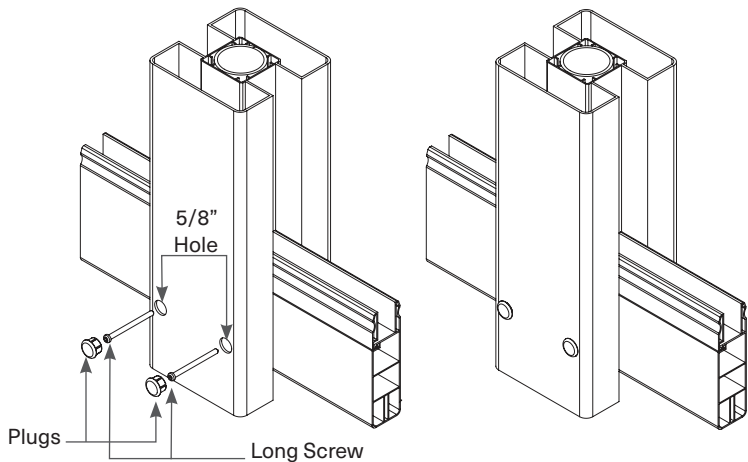5/8" Hole

Plugs

Long Screw

Figure 6 - Before   **Figure 6 - After**

INSTALLATION OF PANELS CONNECTED TO CORNER POST

Note:

i) The fence panels connected to Corner Post may require adjustment in width—cutting the panel to fit the narrower gaps. The width adjustment is different for the two cases below, i.e., for the side with inherent groove and with flat surface of the Corner Post.

ii) One side of the Corner Post will have an inherent groove for the panel, while the side perpendicular (90 degrees) to the previous one is a flat surface. Thus, a groove must be created to accept another fence panel.

A. Installation of the Bottom Horizontal Rail into the Inherent Groove of Corner Post

This procedure should follow the panel installation Bottom Horizontal Rail profile to End Post or Middle Post with the addition of metal for bottom rail reinforcement.

B. Installation of Bottom Horizontal Rail into the Flat Surface of the Corner Post

- Secure Post End Bracket along the flat surface of the H-Post with four short screws spaced equally along the length of the H-Post.
- Insert the Bottom Horizontal Rail profile into the gap between a Corner Post and subsequent post.
- The rail profile is secured to the Corner Post at the Post End Bracket at two locations, roughly the middle of the horizontal rails, using short screws (refer to Figure 7).
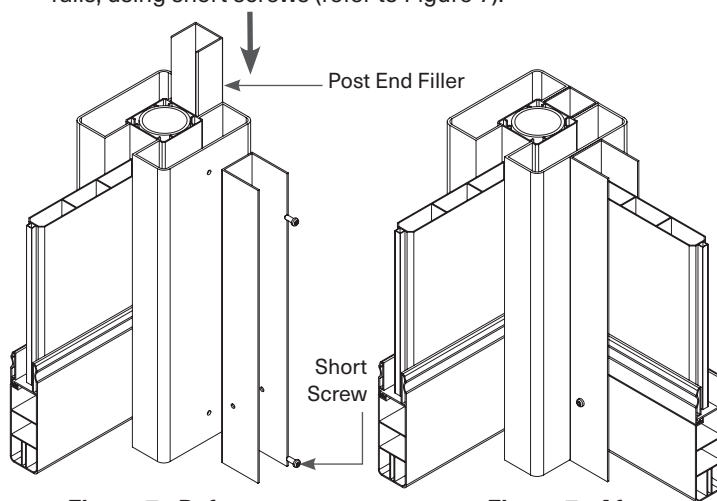

Post End Filler

Short Screw

Figure 7 - Before   **Figure 7 - After**

2. Installation of the Vertical Picket Boards

- Insert the Picket Board by lowering it into the opening of the Bottom Horizontal Rail.
- Start with the first Picket Board closest to the H-Post. Ensure that the first Picket Board goes into the groove on the H-Post.
- Continue inserting the next Picket Boards in the opening of the Bottom Horizontal Rail. Note that the Picket Board is a tongue-and-groove board. Ensure that the tongue of one Picket Board is inserted into the groove of the next Picket Board, as to create an integral wide panel.
- The end of the last Picket Board of a panel section shall be inside the inherent groove of the H-Post.
- In certain circumstances, the last Picket Board may have to be cut along the length of the board, so that the whole fence panel will fit perfectly in the gap between two H-Posts.
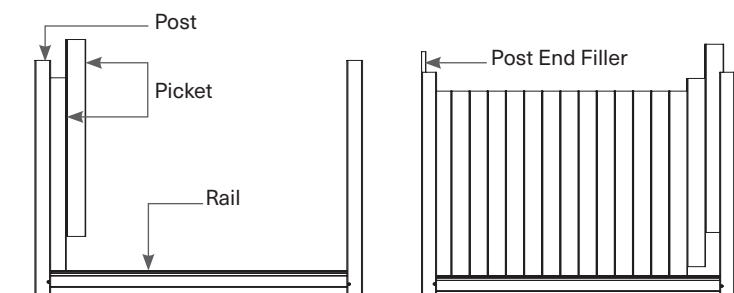

Post

Picket

Rail

Post End Filler

Figure 8

3. **Installation of Top Horizontal Rail**
- To finish off the panel installation, the Top Horizontal Rail must be installed to cover the top of the Picket Boards.
- The Top Horizontal Rail must also fit into the groves of the H-Posts (see illustration Figure 9).
- Finally, the Top Horizontal Rail must be secured to the H-Post in the same manner as the Bottom Horizontal Rail (Figure 5 and Figure 6)
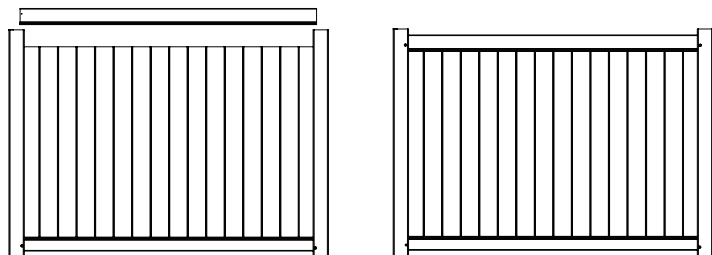
Figure 9

INSTALLATION OF PRIVACY FENCE WITH TOP

A. Installation of Fence Bottom Panel
The Fence Bottom Panel (96" x 57") of a Privacy Fence with Top should be installed in a similar manner as the Privacy Fence Panel.

B. Installation of Top
- A slot must be created on top surface of the top rail of the Fence Bottom Panel, so that the Lattice Top can sit on the top rail profile securely.
- The Lattice U-Channel Adapter must be glued using PVC adhesive, along the top surface and in the centre of the top rail profile of the Fence Bottom Panel (Figure 10A).
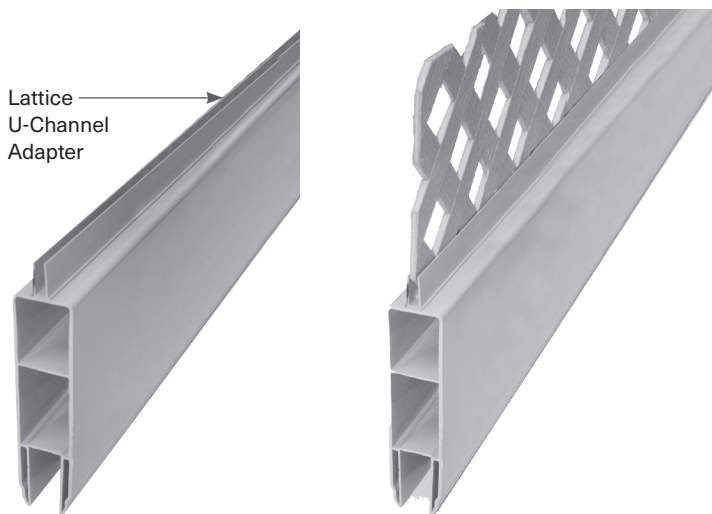
Lattice U-Channel Adapter

Figure 10A   **Figure 10B**

- The Top Rail 1½" x 3½" fits to the top end of the Lattice Top.
- Lower the Lattice Top (with the Top Rail) between the grooves of the H-Posts on top of the Bottom Panel. Push the bottom end of the Lattice Topper into the slot on the top rail of the Bottom Fence Panel (Figure 10B).

- Secure the Lattice Top to the H-Post using a long screw. Follow the procedure of securing a fence panle into the H-Post.
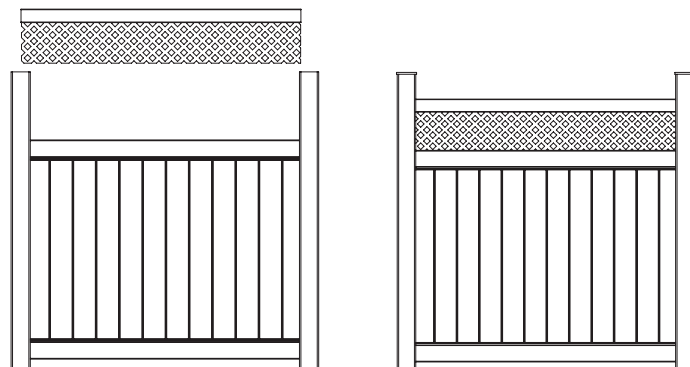
Figure 11: Installation of Lattice Top

INSTALLATION OF DECORATIVE MIDDLE RAIL FOR 3-RAIL PRIVACY FENCE

Note: The Middle Rail is a 3-Rail Privacy Fence intended for decorative purposes only. It is not a load bearing or structural component.

Installation of Decorative Middle Rail
- Decorative Middle Rail can be installed on either side of the fence, or on both sides of the fence.
- First, apply sufficient but not excessive, amount of adhesive on the back side of the Decorative Middle Rail profile. Apply the adhesive along the length of the profile. **Note:** Only use non-dripping adhesive, e.g. contact cement or silicone adhesive.
- Carefully adhere the Decorative Middle Rail profile across the Fence Panel. Note that both ends of the Decorative Middle Rail profiles go into the grooves of the H-Posts.
- It is recommended that the Decorative Middle Rail be placed roughly 2/3 of the height of the Fence Panel for aesthetic reasons.
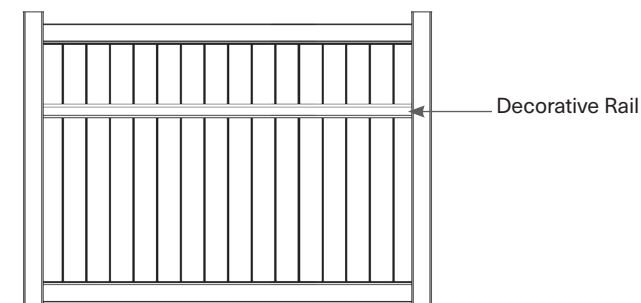
Decorative Rail

Figure 12

Installation of Gate

Note: Standard Gate comes with two Aluminum Side Rails, but they are not attached to the gate. All Standard Gates are 48" x 70". In order to use a standard gate, the centre-to-centre distance between the two Gate Posts should be 55", or the opening between Gate Posts should be 50".

- Insert Post End Fillers to the grooves on both Gate Posts.
- Ensure the opening between Gate Posts is 50" or less.
- If the opening is 50", a Standard Gate can be used by adjusting its width. If the opening is less than 50", the Standard Gate must be cut to adjust to the gate opening.
- Attach two illuminum side rails on both sides of the gate (Figure 12).
- Position the gate in the gate opening and block-up the gate as necessary to line up the top horizontal gate rails with top horizontal rail of the fence. Note that the gate is 1" shorter than the fence panel as to allow extra space at the bottom to allow easy movement of the gate.
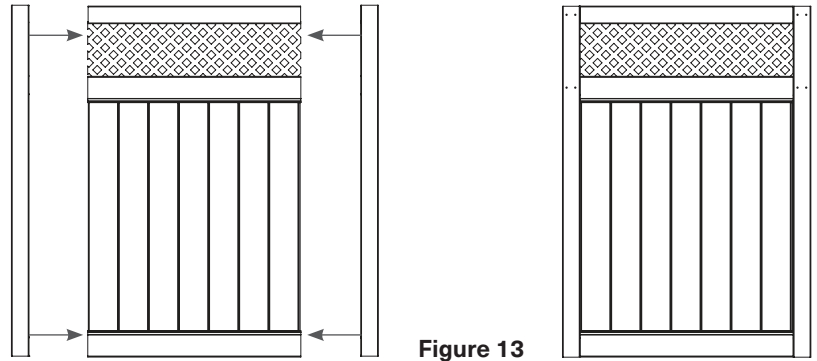- There is an optional post stiffener to secure the hinges into the post.
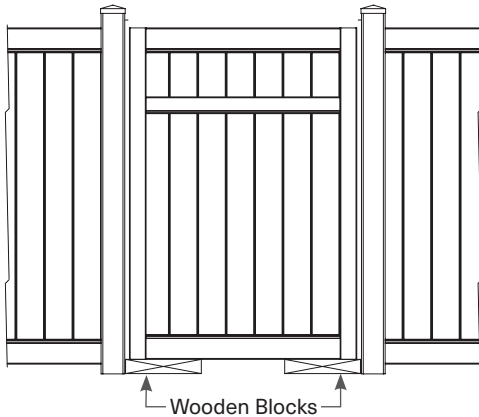
Figure 13

Figure 14

Wooden Blocks
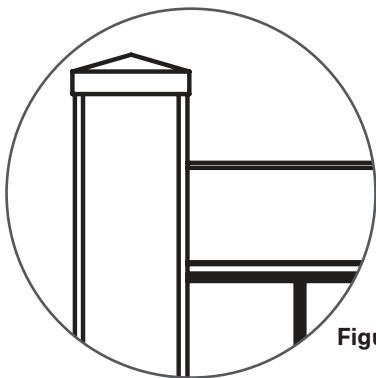
Installation of Post Caps

Figure 15

Note: Do not install post caps on posts until the fence installation is complete.

- Press the post cap completely and securely into the top of the posts.
- Non-dripping adhesive is to be used to permanently secure the post caps into the posts. Apply the adhesive carefully as not to allow the glue to drip on any part of the fence, in particular along the post.
- Note that once adhesive is cured, the post cap may not be able to be removed.

Distributed by:

ALLSEASON
VINYL OUTDOOR PRODUCTS

350 Flint Road | Toronto, ON M3J 2J4 | tel: 416-665-7678
toll-free:1-888-665-7678 | info@allseasonfencing.ca