UltraEasy Fence UH78/FN0249 Installation Guide

v20220928

NewTechWood®

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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 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 risk of injuries. NewTechWood recommends but is not limited to the following safety equipment when handling, cutting, and installing NewTechWood: gloves, a respiratory protection, long sleeves, pants, and safety glasses.

Tools

Standard woodworking tools may be used. It is recommended that all blades have a carbide tip. Standard stainless steel screws are recommended.

Environment

A clean, smooth, flat, and strong surface is needed to install NewTechWood's products correctly. Please check with local building codes before ever installing any type of fencing If installation does not occur immediately NewTechWood's products need to be put on a flat surface at all times. Never ever should it be put on a surface that is NOT flat.

Planning

Plan a layout for your fencing before starting it to ensure the best possible looking fence for your project. Building codes and zoning ordinances generally apply to permanent structures, meaning anything that is anchored to the ground or attached to the house. So nearly every kind of fencing requires permits and inspections from a local building department. We recommend drawing out a site plan of your proposed project that you intend to do to minimize errors and make your perfect fence.

Construction

NewTechWood UltraEasy fencing is NOT intended for use as columns, support posts, beams, joist stringers, support against a force, or other primary load-bearing members. NewTechWood must be supported by a code-compliant substructure. While NewTechWood products are great for retrofits, NewTechWood's products CANNOT be installed on existing siding boards.

Static

Static can also be more prevalent in areas that are of higher altitude because the humidity is lower. For these areas, be careful of using conducive objects such as metal railing and chairs as static shocks might occur more often. A potential way to lower the amount of static shocks occurring is to apply Staticide (www.aclstaticide.com) on your deck or use anti-static mats before doorways.

Ventilation

UltraEasy fencing needs to have at least one of the clips or stopper installed at the bottom of each aluminum post sleeve as well as a starting and ending aluminum trim to work properly.

If one clip or stopper is not installed at the bottom of the post sleeve, there will be not sufficient enough air flow and could result in high wind speeds damaging the fence.

Heat and Fire

Excessive heat on the surface of NewTechWood products from external sources such as but not limited to fire or reflection of focussing sunlight from some optical objects can potentially harm NewTechWood products. This extreme elevation of surface temperatures, which exceeds that of normal exposure, can possibly cause NewTechWood products to melt, sag, warp, discolor, increase expansion/contraction, and accelerate weathering.

Fasteners

When fastening NewTechWood's products all screws that are face fastened should always be driven in at a 90 degree angle to the siding surface. Toe nailing/screwing should never be done to the products. An extra furring strip should be added if a 90 degree angle cannot be driven into the board. All fasteners should be on their own independent furring strips, when two boards ends meet each other there must be a sister furring strip. The end of each board must sit on its own furring strip.

Use white chalk, straight boards, or string lines as templates for straight lines. NEVER USE COLORED CHALK. Colored chalk will permanently stain NewTechWood's products and are highly not recommended.

All screws that are face fixed should always be stainless steel. Depending on the screws that you use when face fixing, there could be potential bulging or mushrooming. It is recommended to take care of these mushrooms/bulges by taking a rubber mallet and patting them down to give your siding a better look.

When choosing which screws to use, always check first with your local home centers and hardware stores to see if they have screws that are engineered specifically for composite wood. These screws will always work and give NewTechWood's products the best looking outcome, using other screws that are not recommended for composite could potentially damage/harm the siding. If you are unsure which screw to use, contact your manufacturer for more information.

UltraEasy Fence Parts
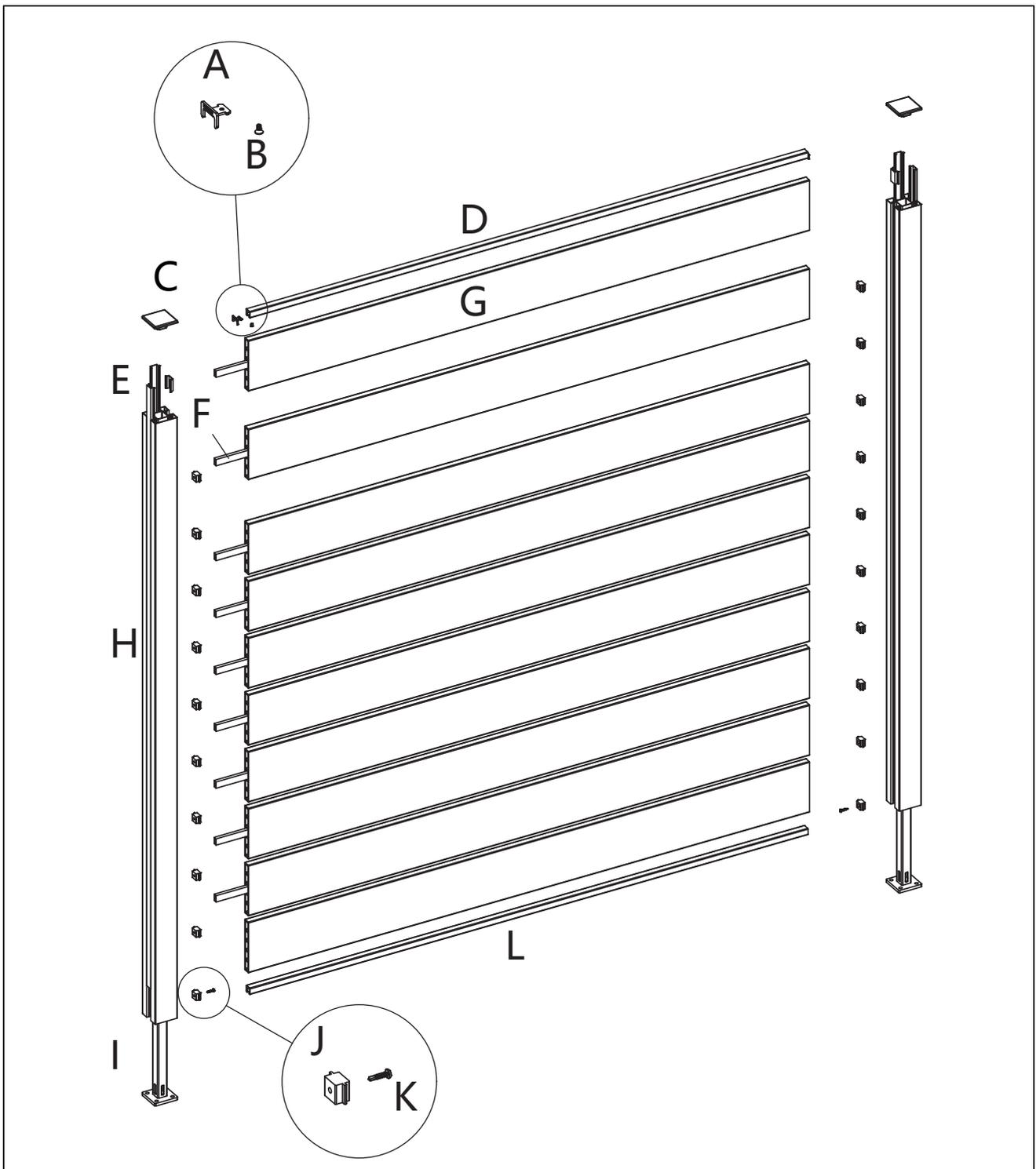
Code		Qty	Description	Parts Number
A		x2	Clip	FN0220
B		x2	Screw ST4 x 8	WJ0128
C		x2	Post Cap	FN0247S
D		x1	Ending Aluminum Trim	FN0250-1745
E		x4	Post Trim	FN0214-1900
F		x9	Galvanized Steel Tube	
G		x10	Fence Board	UH78
H		x2	Post Sleeve	FN0249-1900
I		x2	Post Mount	FN0251-0400
J		x20	Stopper	FN0113
K		x2	Screw ST5 x 20	
L		x1	Starting Aluminum Trim	FN0250-1760
M		x4	Bolt ST8 x 80	WJ0094
N		x4	Plastic Anchor M12 x 75	WJ0095

UltraEasy Fence Installation

Installation Procedure

Step 1: Post Mounts Installation
    - Measure and Position the Post Mounts
    - Fix the Post Mounts

Step 2: Post Sleeves Installation

Step 3: Fence Boards Installation
    - Fixing the First Stopper
    - Installing the Starting Aluminum Trim
    - Installing the Fence Boards
    - Installing the Post Trims
    - Installing the Ending Aluminum Trim
    - Installing the extra piece of Post Trim
    - Installing the Post Cap

Post Mount Installation

1 Measure and position the **Post Mounts (I)** on the ground at a distance of 1.8m on center, and mark the screw holes on the ground, as shown in ***Diagram 1***.

I

Post Mount

1.8 m
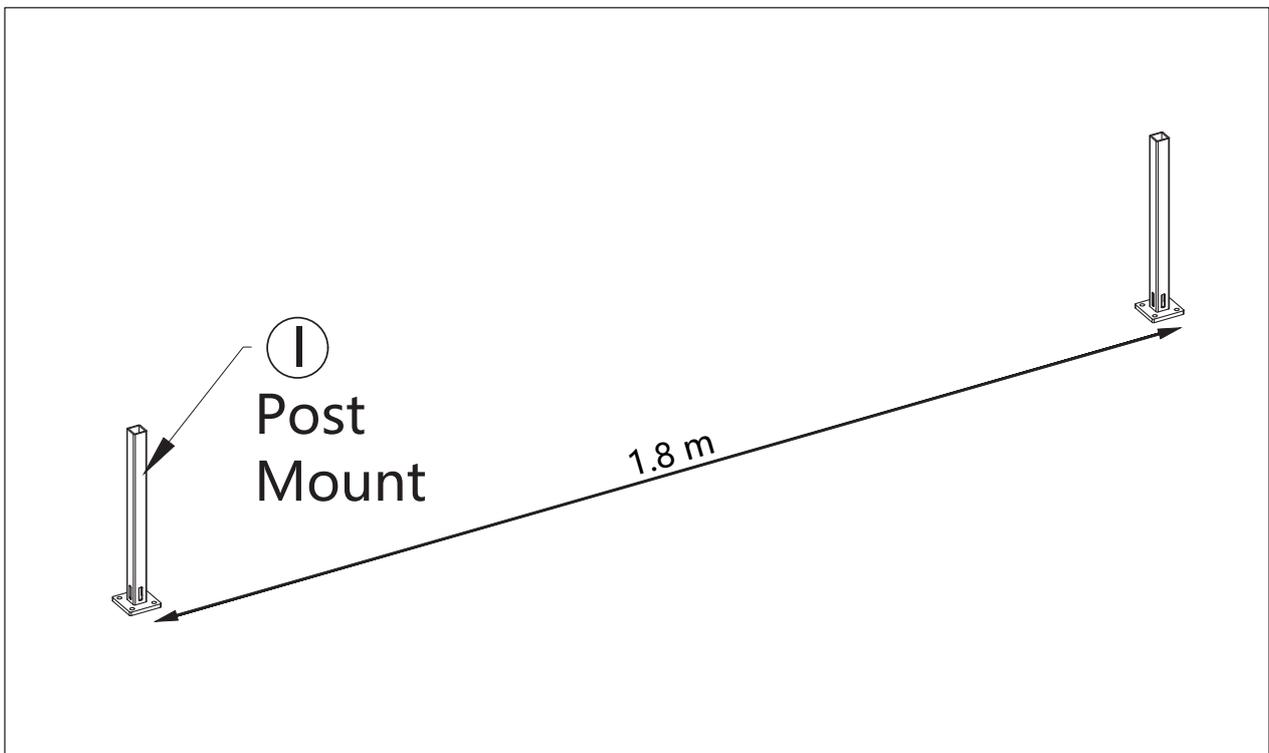
Diagram 1

2 Use an electric drill to drill the screw holes on the ground and put the **Plastic Anchors (N)** inside the screw holes. Then put the **Post Mounts (I)** in place and fix them with **Bolts (M)**, as shown in **_Diagram 2_**.
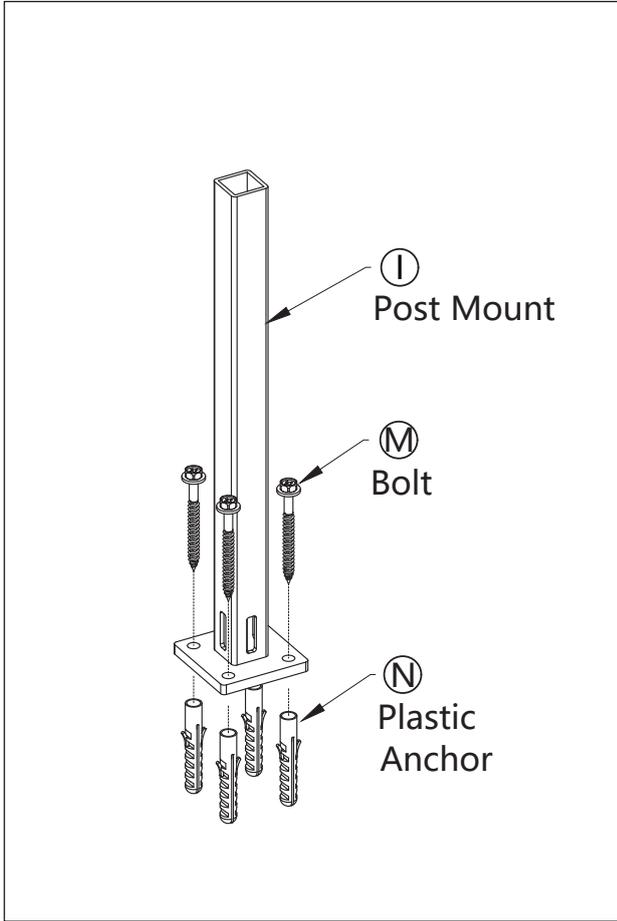
Diagram 2

Post Sleeves Installation

3 Insert the **Post Sleeves (H)** over the **Post Mounts (I)**, as shown in **_Diagram 3_**.

Please Note:

Check whether the Post Sleeves (H) **is appropriately placed with the** Post Mounts (I)**, as shown in** _Detail 3-1_**.**
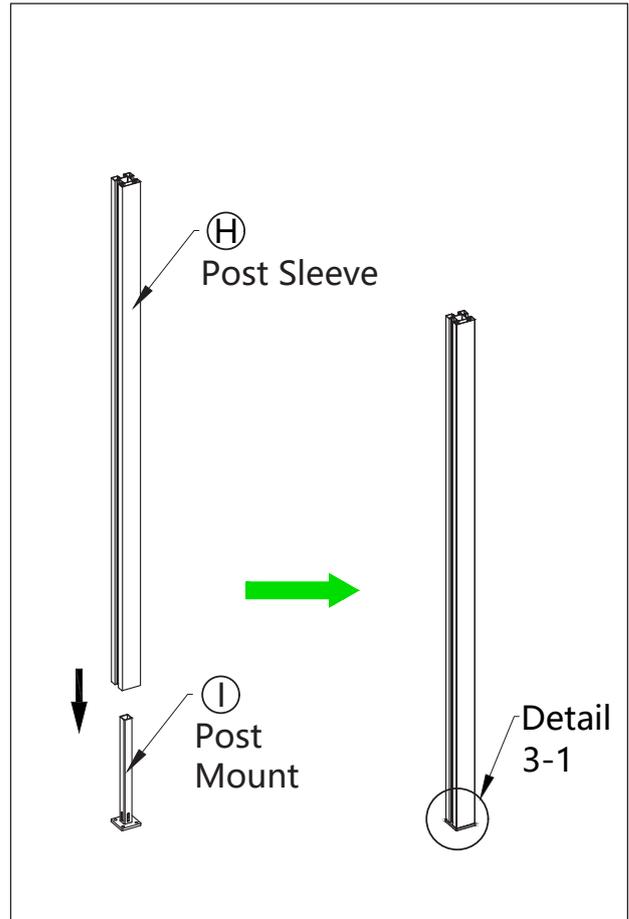
Diagram 3
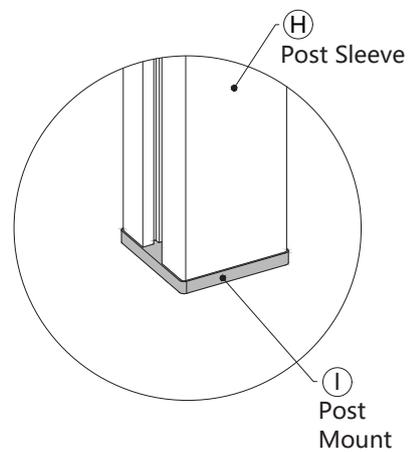
Detail 3-1

Fence Boards Installation

4 Insert a **Stopper (J)** into the bottom of the **Post Sleeves (H)** and fix it with the **Screw (K)**, as shown in *Diagram 4*.

Please Note:

Ensure the Stopper (J) **is placed at the bottom of the** Post Sleeves (H) **properly.**
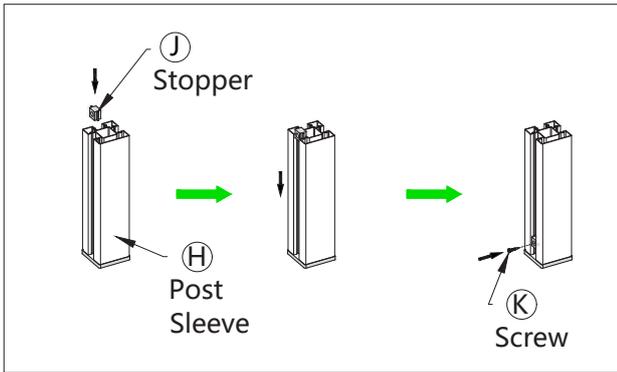
Diagram 4

5 Put the **Starting Aluminum Trim (L)** over the **Stopper (J)**, as shown in *Diagram 5* and *Detail 5-1*.
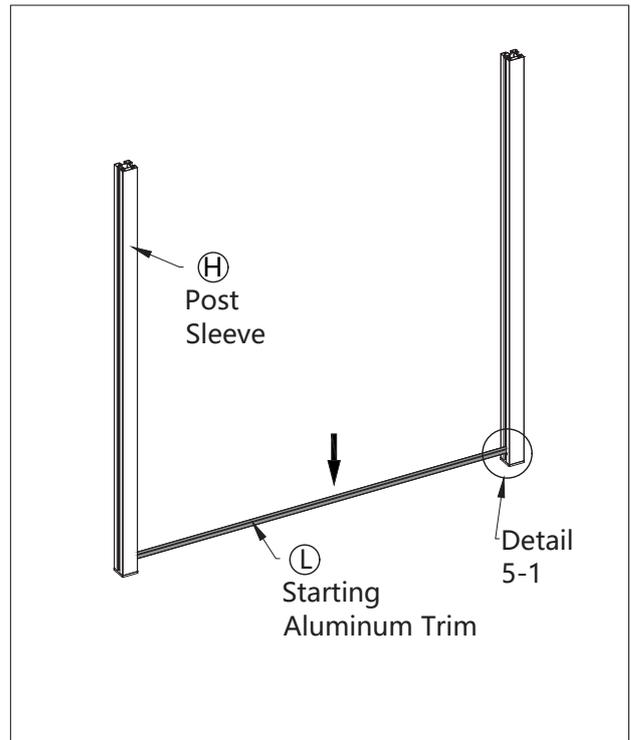
Diagram 5
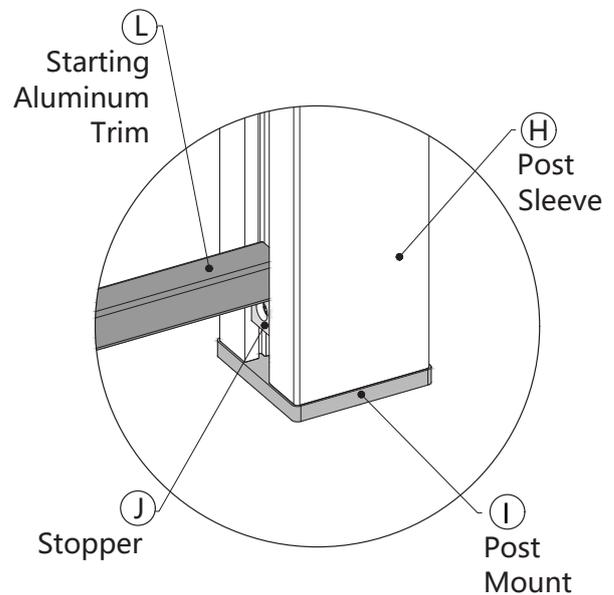
Detail 5-1

6 Put the first **Fence Board (G)** over the **Starting Aluminum Trim (L)**. Then insert a **Stopper (J)** over the first **Fence Board (G)**, as shown in *Diagram 6* and *Detail 6-1*.

Please Note:

It is no need to insert the Galvanized Steel Tube **for the first** Fence Board (G)**.**

H
Post
Sleeve

Detail 6-1

G
Fence
Board

L
Starting
Aluminum Trim

Diagram 6

J
Stopper

G
Fence
Board

H
Post
Sleeve
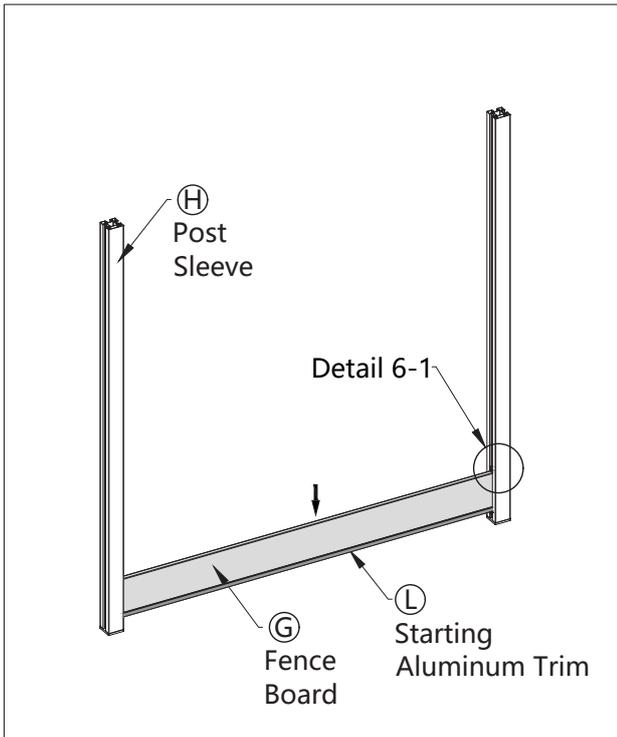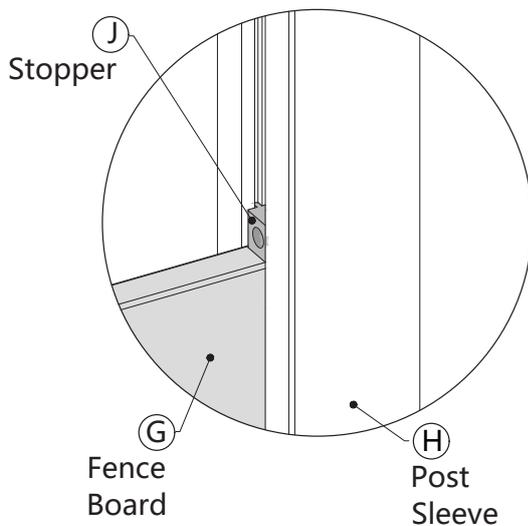
Detail 6-1

7 Insert a **Galvanized Steel Tube** into the central hollow of the rest **Fence Board (G)**, as shown in *Diagram 7*.

G
Fence Board

Galvanized
Steel Tube
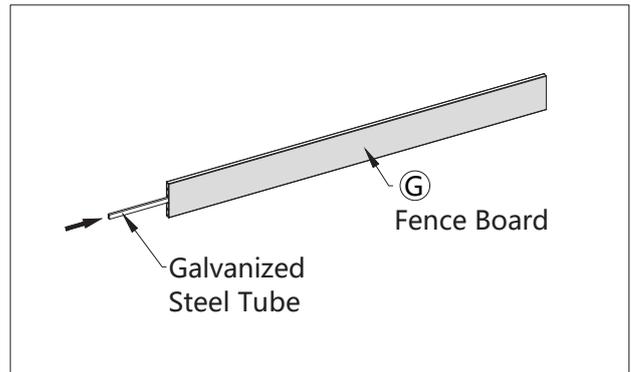
Diagram 7

8 Complete the installation for the rest of the **Fence Boards (G)** as *Step 6*, as shown in *Diagram 8*.

H
Post
Sleeve

G
Fence
Board

Diagram 8

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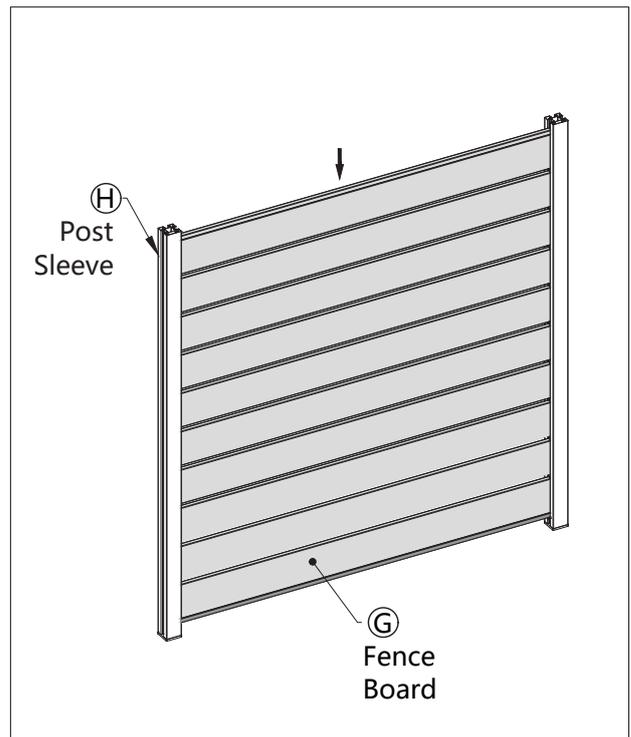
9 Insert the **Post Trim (E)** into the **Post Sleeve (H)**, as shown in *Diagram 9*.
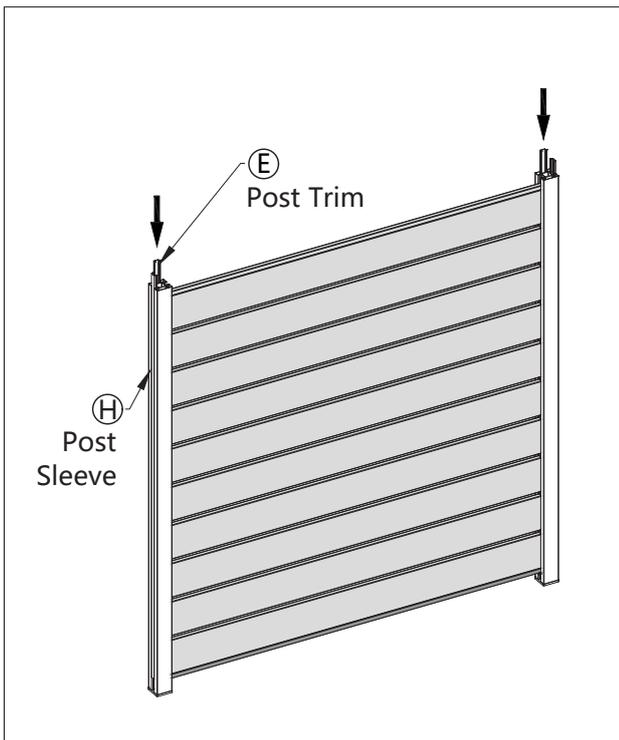

Diagram 9

10 Put the **Clip (A)** inside the **Ending Aluminum Trim (D)** and fix it with the **Screw (B)**, as shown in *Diagram 10*.
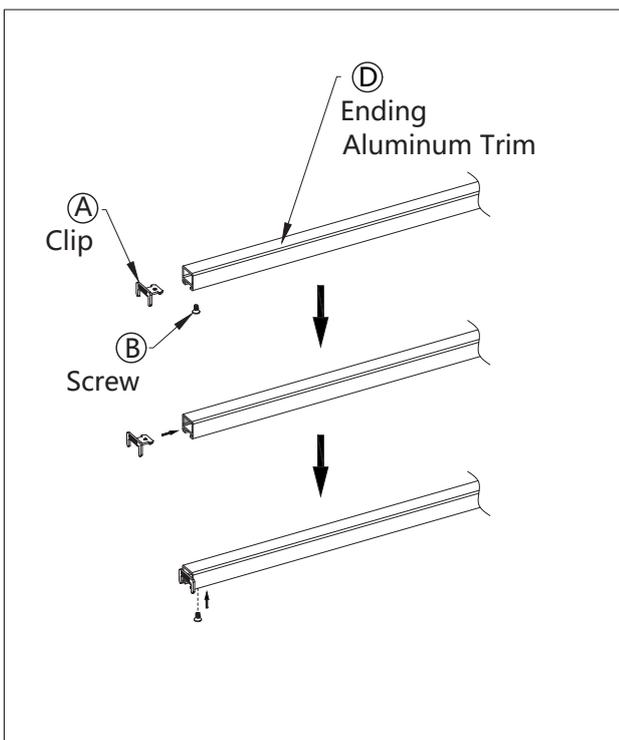

Diagram 10

11 Put the **Ending Aluminum Trim (D)** over the last **Fence Board (G)**, as shown in *Diagram 11* and *Detail 11-1.*
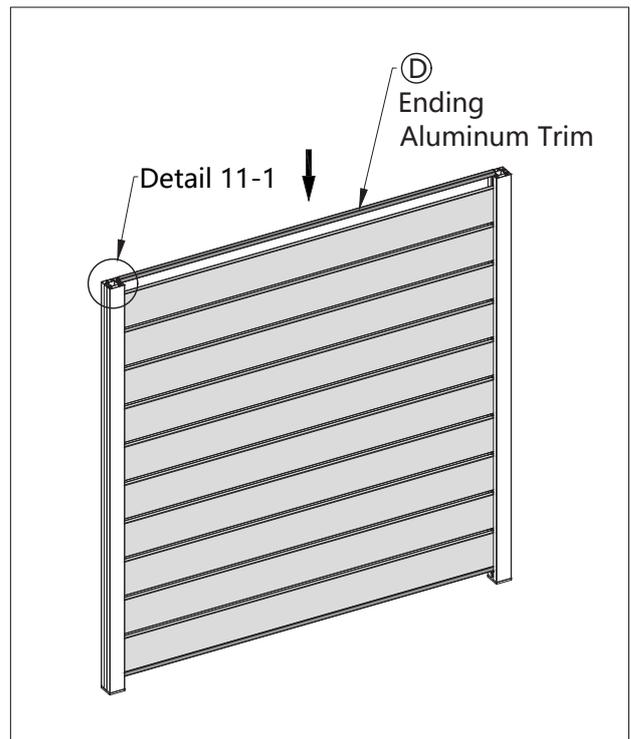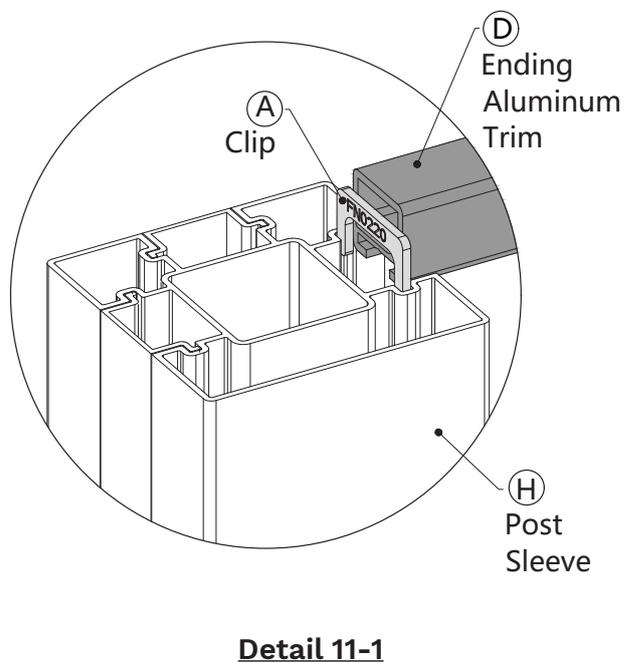

Diagram 11

Detail 11-1

12 Cut a small piece of **Post Trim (E)** and put it over the **Ending Aluminum Trim (D)** to cover the slot between the **Post Sleeve's (H)** top and the **Ending Aluminum Trim (D)**, as shown in *__Diagram 12__* and *__Detail 12-1__*.
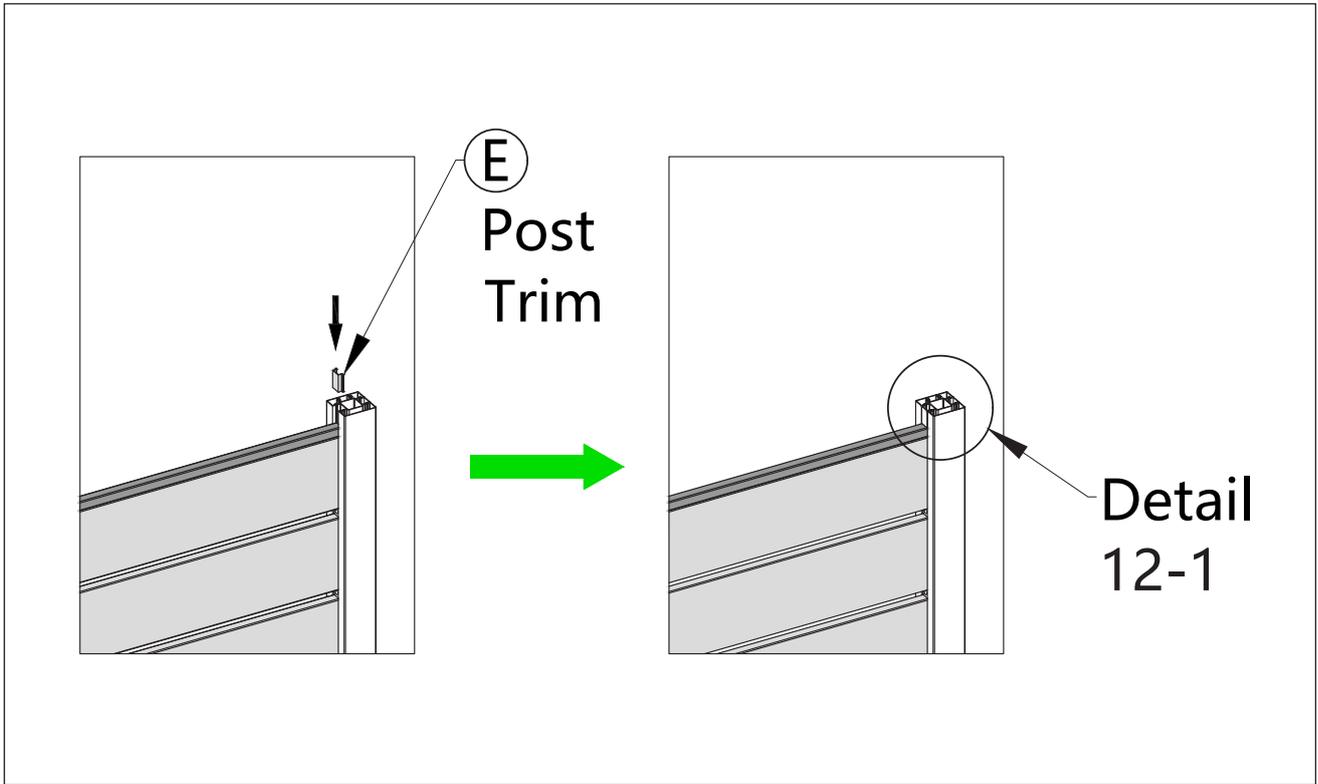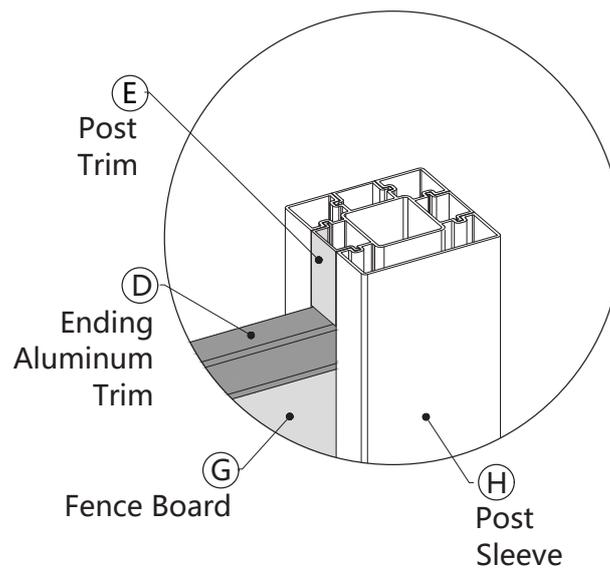
E

Post Trim

Detail 12-1

Diagram 12

E
Post Trim

D
Ending Aluminum Trim

G
Fence Board

H
Post Sleeve

Detail 12-1

13 Put the **Post Cap (C)** on the top of the **Post Sleeve (H)**, as shown in *Diagram 13*.
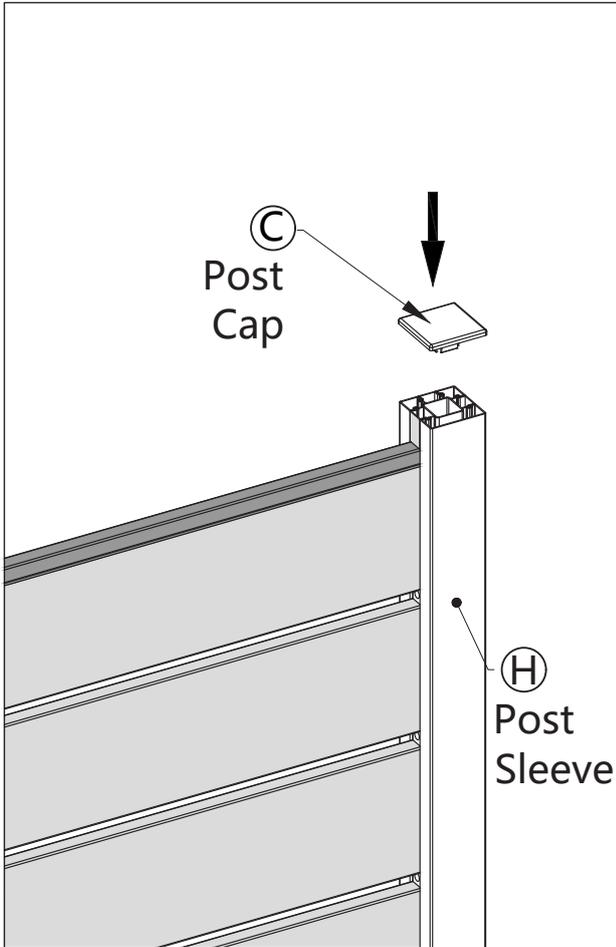

Diagram 13

14 *Diagram 14* presents the final appearance after complete the installation.
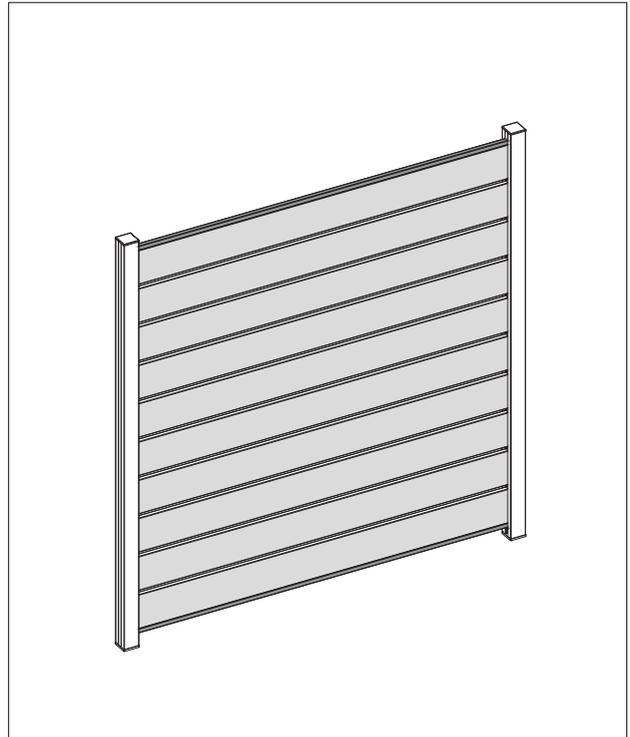

Diagram 14

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