UltraEasy Fence In Ground Installation Guide

v20230906US

NewTechWood®

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IMPORTANT:

Read All Sections Before You Start

For the most up-to-date 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 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

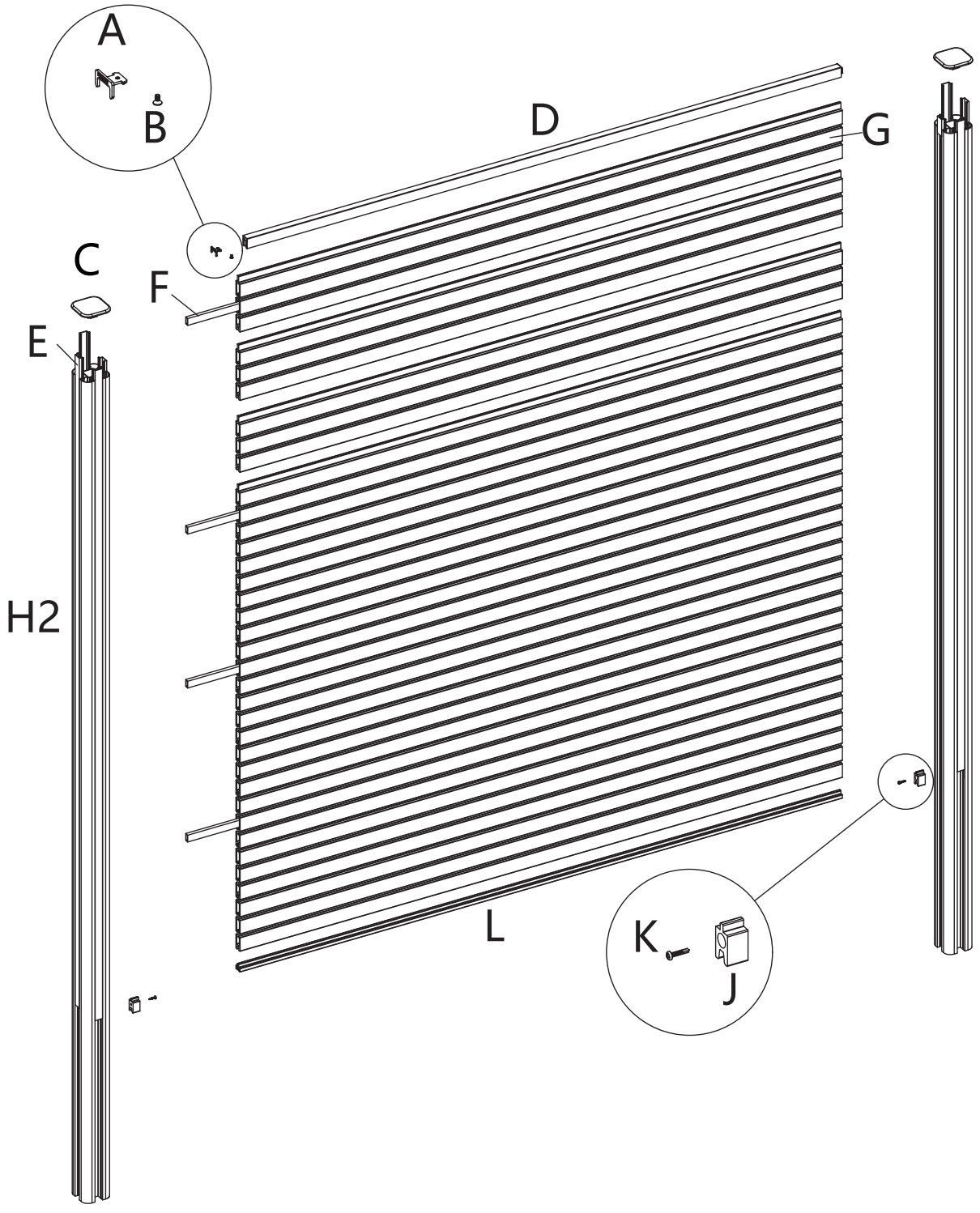
UltraEasy fencing needs to have at least one of the clips or stopper installed at the bottom of each aluminum post sleeve as well as a starting and ending aluminum trim to work properly.

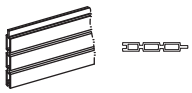
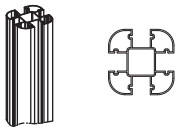
If one clip or stopper is not installed at the bottom of the post sleeve, there will be not sufficient enough air flow and could result in high wind speeds damaging the fence.

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.

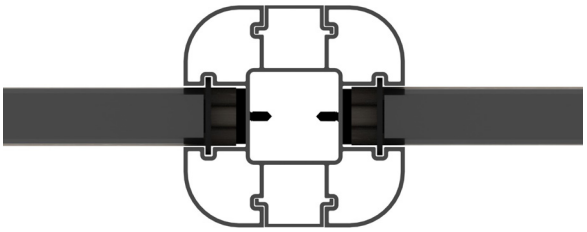
UltraEasy Fence Parts



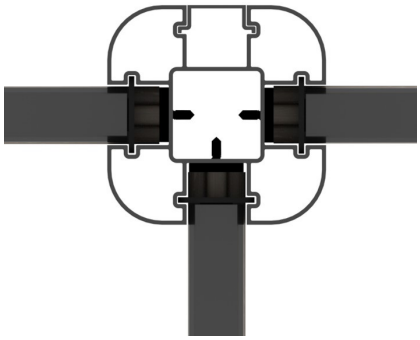
Code	Qty	Description	Parts Number
A	x2	Clip	FN0220
B	x2	Screw ST4 x 5/16" (8mm)	WJ0128
C	x2	Post Cap	FN0223R
D	x1	Ending Aluminum Trim	FN0244-1736
E	x4	Post Trim	FN0214-1900
F	x4	Galvanized Steel Tube	
G 	x12	Fence Board	UH66
H2 	x2	Post Sleeve (For Ground installation)	FN0213R-2400
J	x2	Stopper	FN0105
K	x2	Screw ST4 x 13/16" (20mm)	WJ0127
L	x1	Starting Aluminum Trim	FN0245-1760

Framing Layout for the UltraEasy Fence

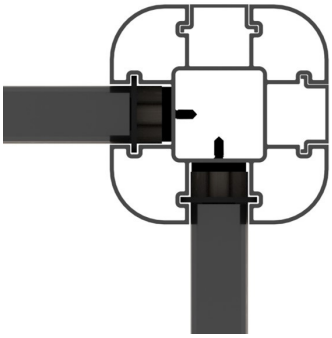
1. Straight Line



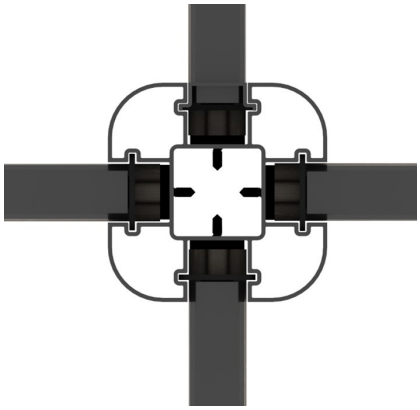
3. T-intersection



2. Right-Angle Corner



4. Cross-intersection



B. Installation Procedure - In Ground

Step 1: Post Installation
- **Measure and Mark the location of the posts**
- **Digging the holes**
- **Setting the Posts**

Step 2: 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 Installation

15 Measure and mark the location of the posts at a distance of 5' 10-7/8" (1.8m) on center of the posts, as shown in ***Diagram 15***.

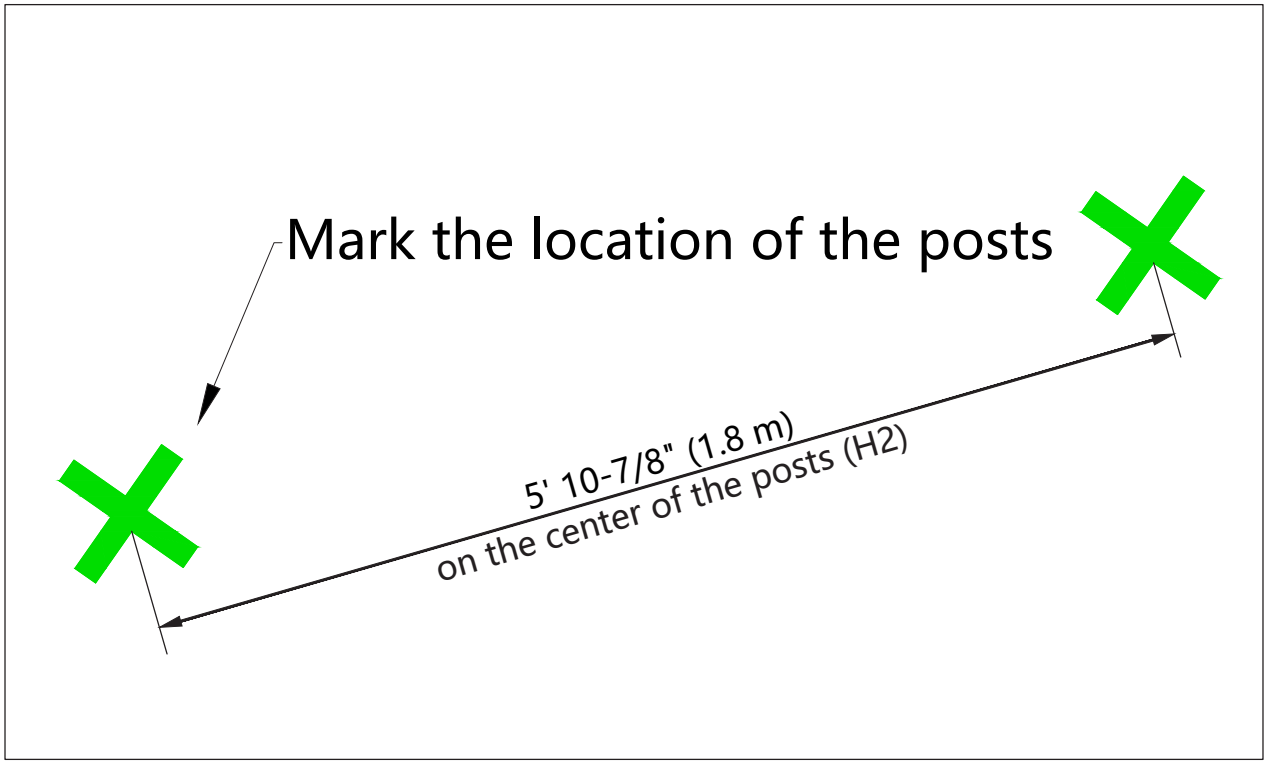


Diagram 15

16 Dig the holes in **25-9/16" (650mm) depth**. It is about a third as deep as the post height. And the diameter of the holes should be **9-7/16" (240mm).** It is about three times the width of the post, as shown in ***Diagram 16***.

Please Note:
In colder climate regions, dig the holes below the frost line. You can get the frost line in your area online or contact your local building office.

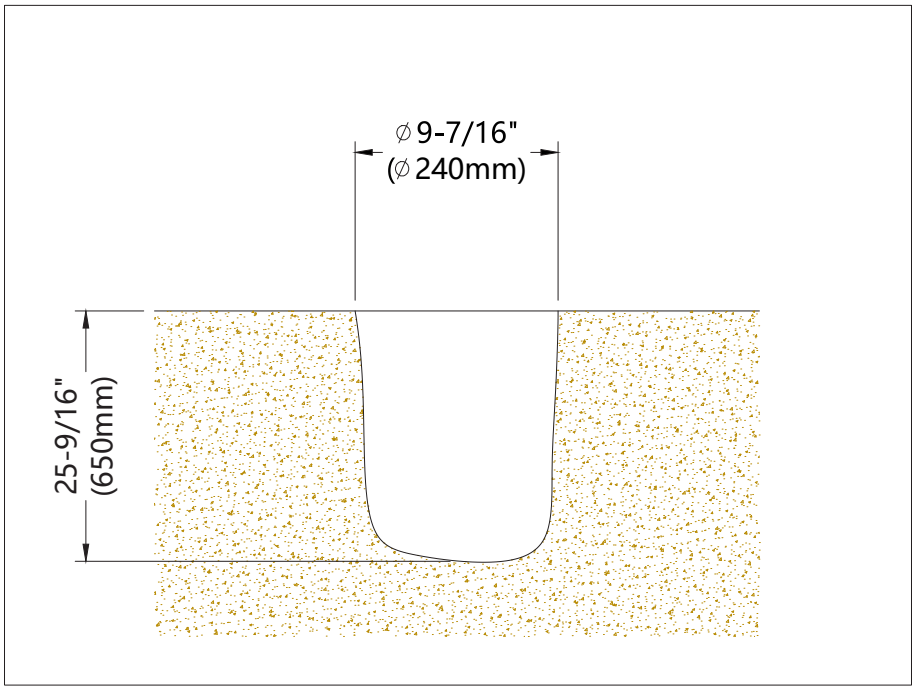


Diagram 16

17 Layer 6" (150mm) of gravel at the bottom of the hole for proper drainage, as shown in ***Diagram 17***.

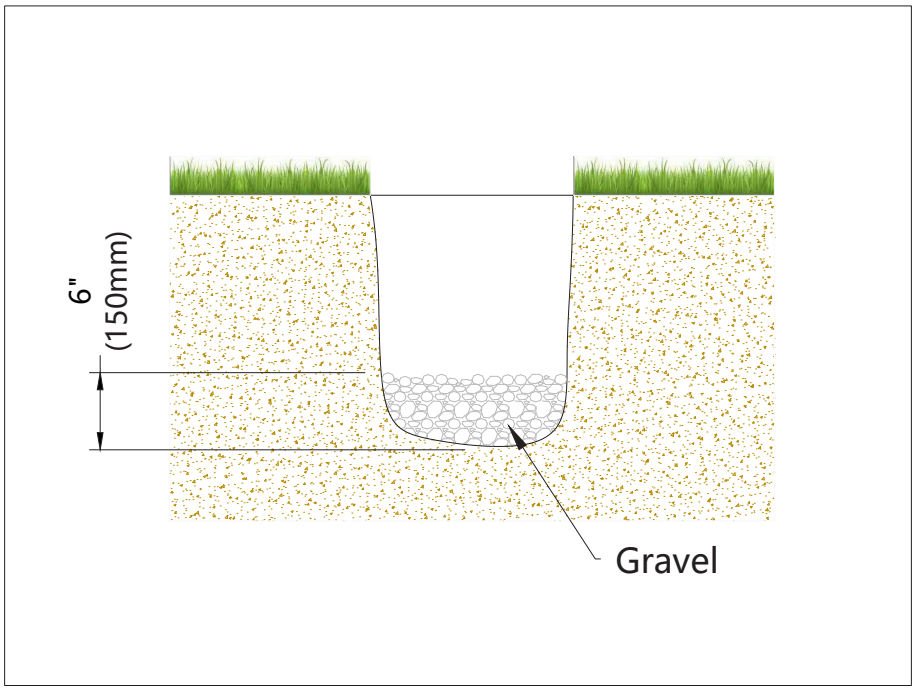


Diagram 17

18 Position the ***Post (H2)*** in the middle of the hole on top of the gravel. Ensure the post are plumb using a two-side post level. Set the post height at **74-13/16" (1900mm),** off the ground, as shown in ***Diagram 18***.

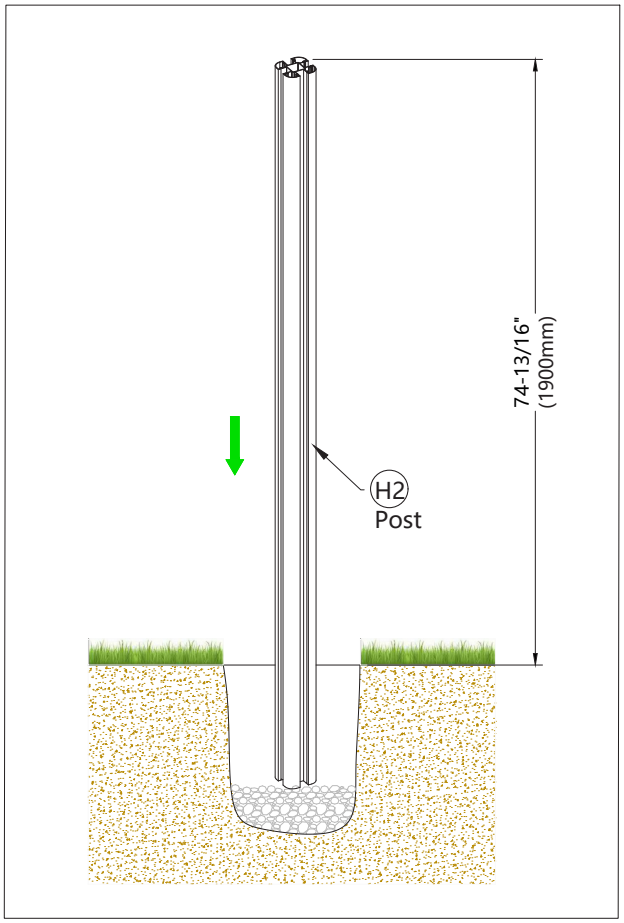


Diagram 18

19 Pour the concrete into the hole until it's 2" (50mm) below the ground level, as shown in ***Diagram 19***.

Please Note:
Make sure to pour the concrete evenly around the post, and the hole fills completely.

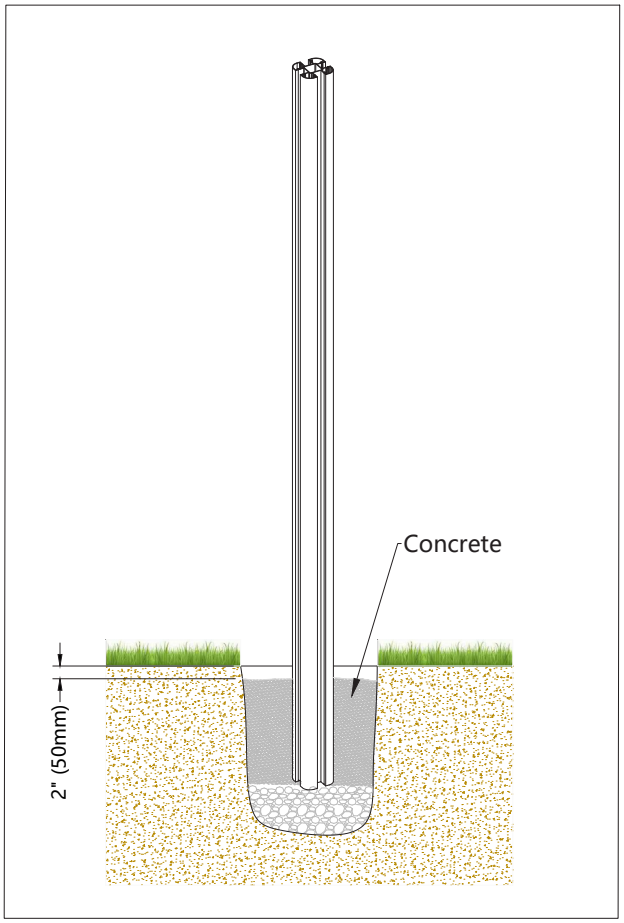


Diagram 19

20 Fill the top of the hole with soil once the concrete is set, as shown in ***Diagram 20***.

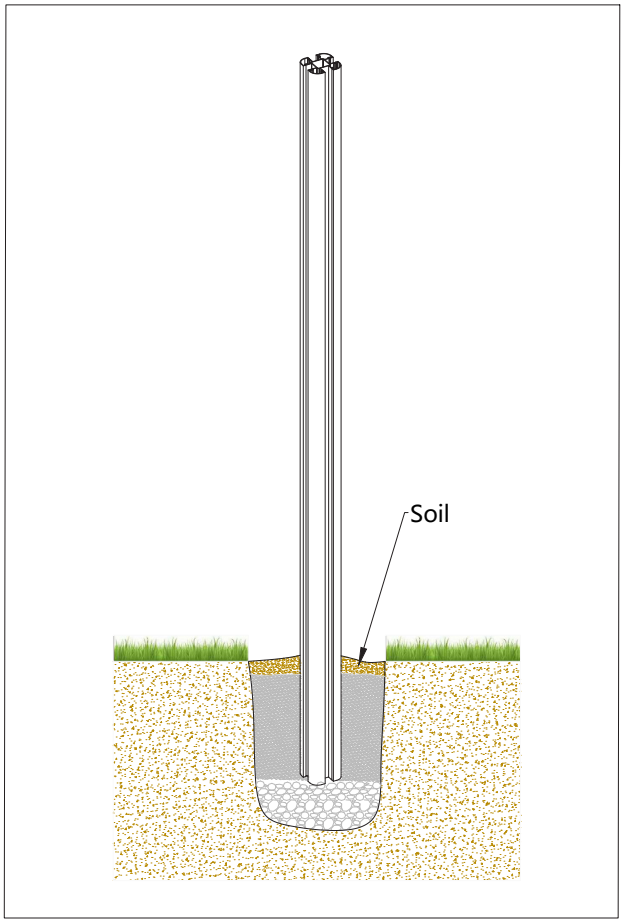


Diagram 20

Fence Boards Installation

21 Insert a **Stopper (J)** into the bottom of the **Post (H2)** and fix it with the **Screw (K)**, as shown in ***Diagram 21***.

Please Note:

Ensure the Stopper (J) **is placed at the bottom of the** Post (H2) **properly.**

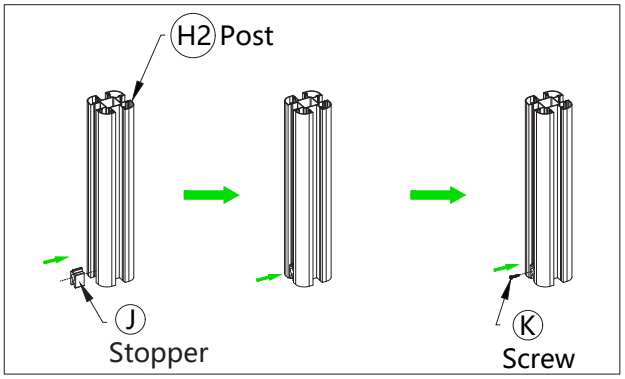


Diagram 21

22 Put the **Starting Aluminum Trim (L)** over the **Stopper (J)**, as shown in ***Diagram 22*** and ***Detail 22-1***.

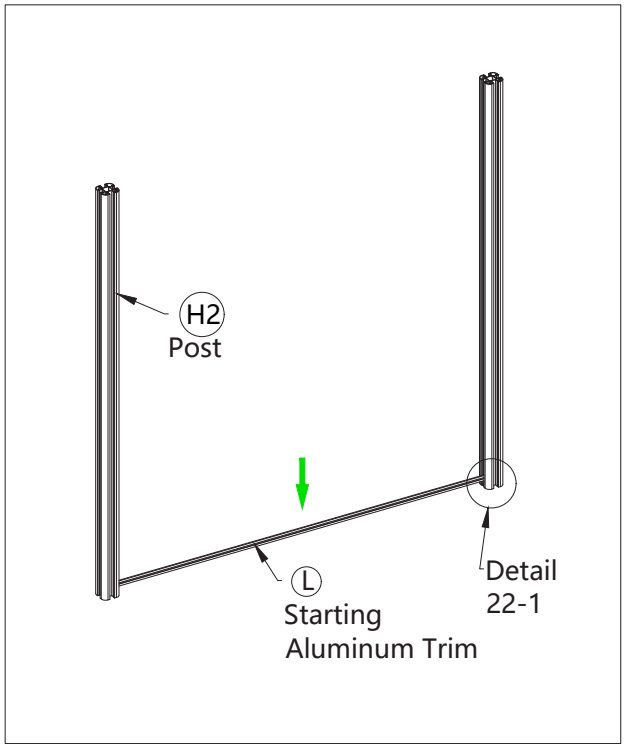
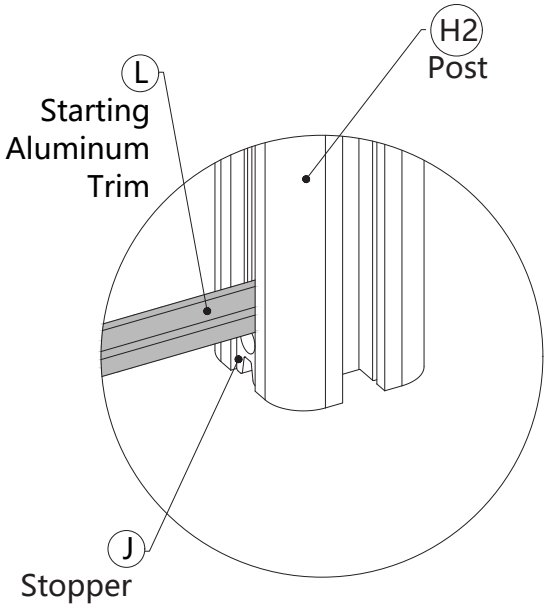


Diagram 22



Detail 22-1

23 Insert a **Galvanized Steel Tube (F)** into the central hollow of the 3rd, 6th, 9th and 12th **Fence Board (G)**, as shown in ***Diagram 23*** and ***Detail 23-1***.

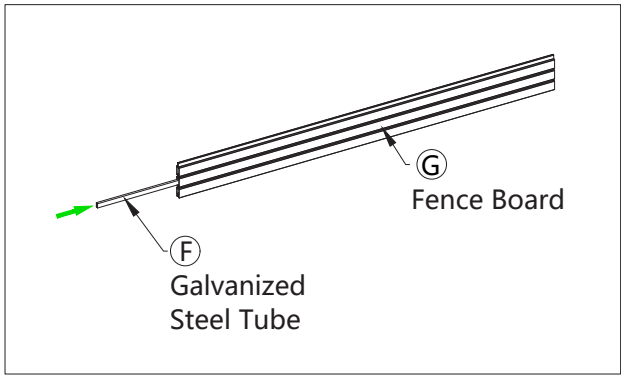
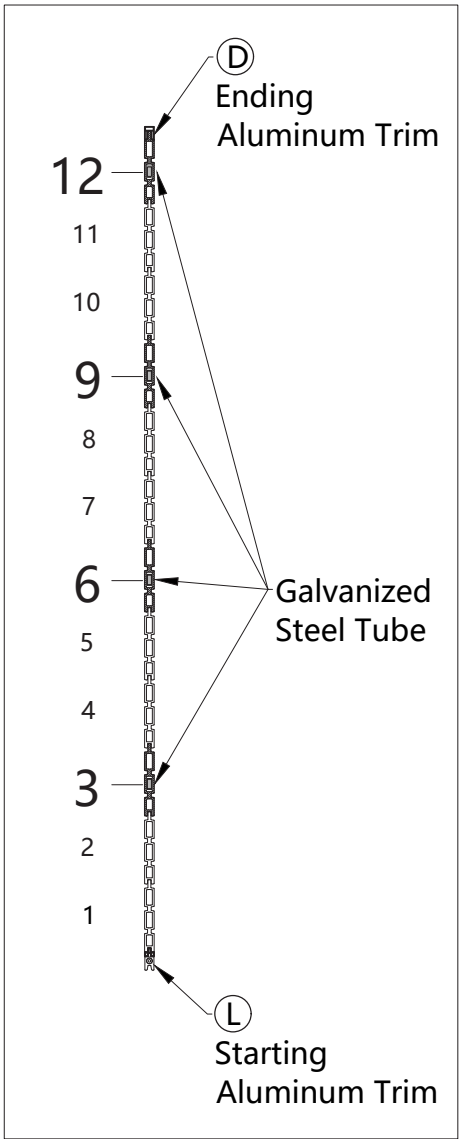


Diagram 23



Detail 23-1

24 Put the first **Fence Board (G)** over the **Starting Aluminum Trim (L)**, as shown in ***Diagram 24***.

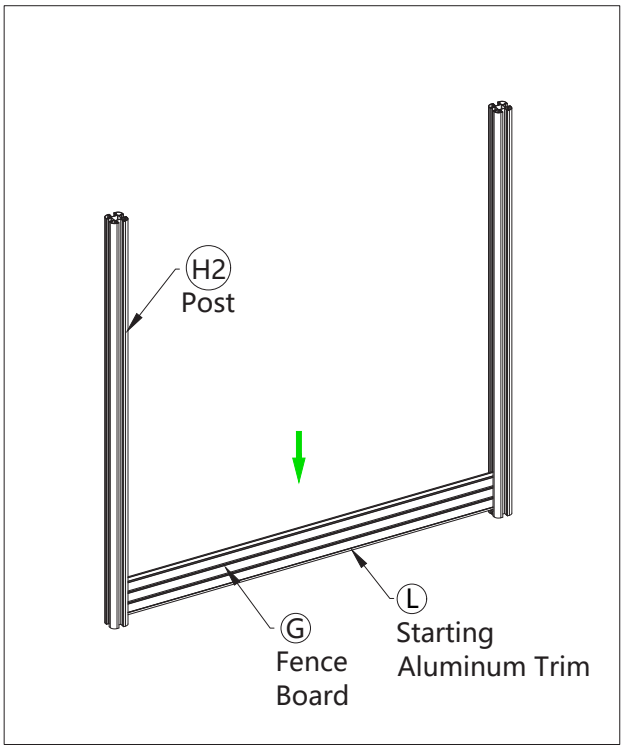


Diagram 24

25 Complete the installation for the rest of the **Fence Boards (G)**, as shown in ***Diagram 25***.

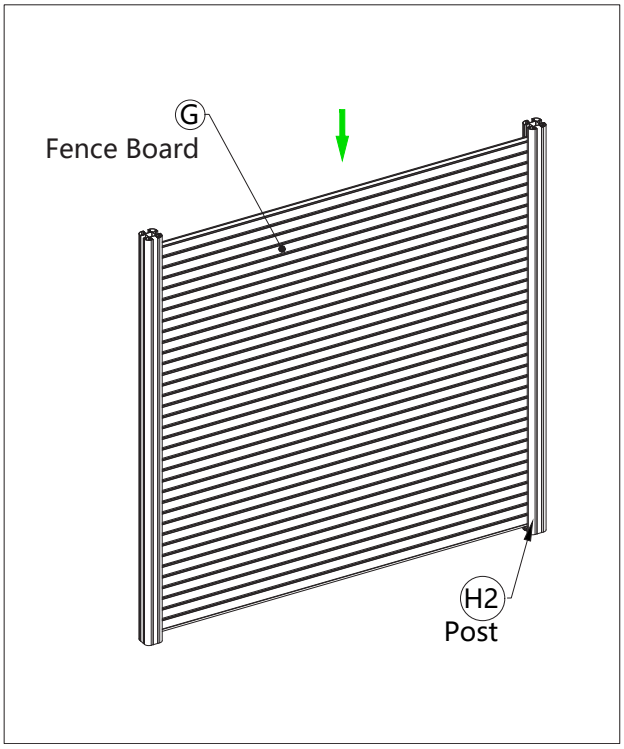


Diagram 25

26 Insert the **Post Trim (E)** into the **Post (H2)**, as shown in ***Diagram 26***.

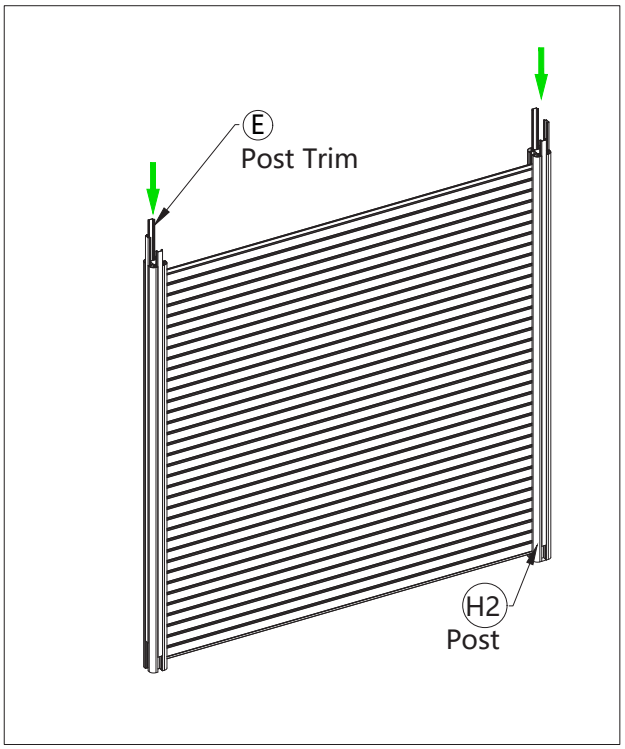


Diagram 26

27 Put the **Clip (A)** inside the **Ending Aluminum Trim (D)** and fix it with the **Screw (B)**, as shown in ***Diagram 27***.

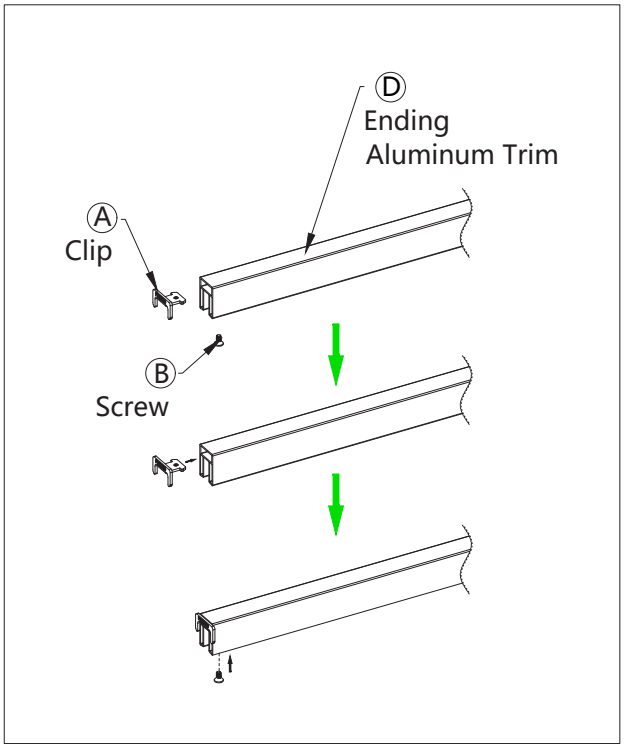


Diagram 27

28 Put the **Ending Aluminum Trim (D)** over the last **Fence Board (G)**, as shown in ***Diagram 28*** and ***Detail 28-1***.

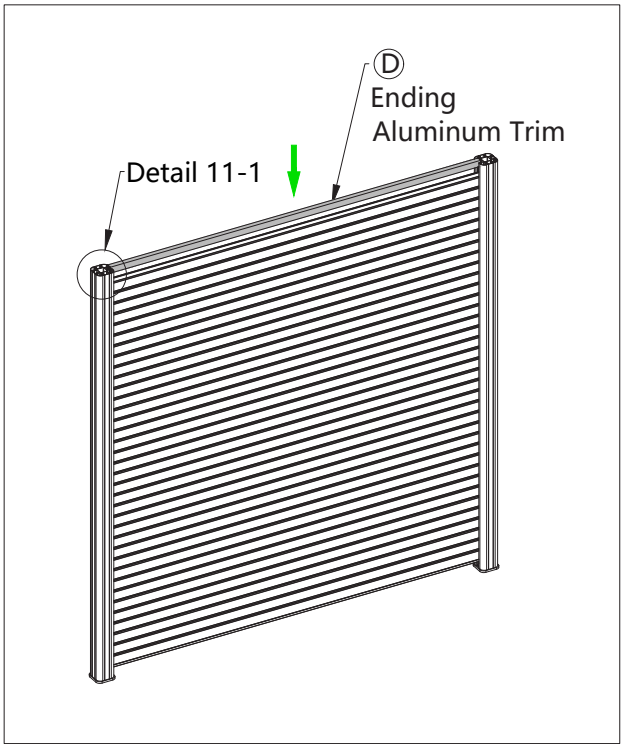
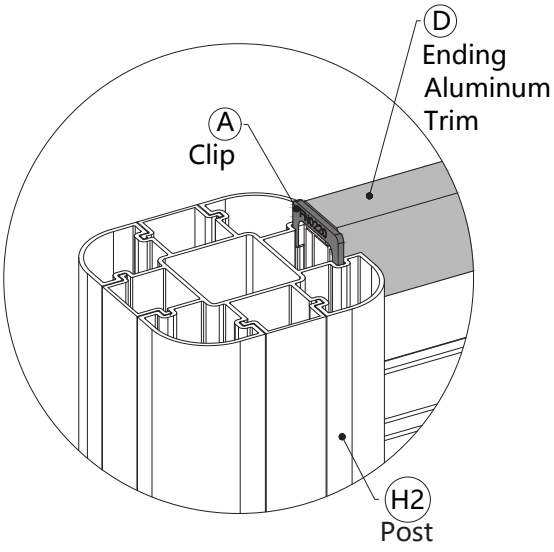


Diagram 28



Detail 28-1

29 Cut a small piece of **Post Trim (E)** and put it over the **Ending Aluminum Trim (D)** to cover the slot between the **Post (H2)** top and the **Ending Aluminum Trim (D)**, as shown in ***Diagram 29*** and ***Detail 29-1***.

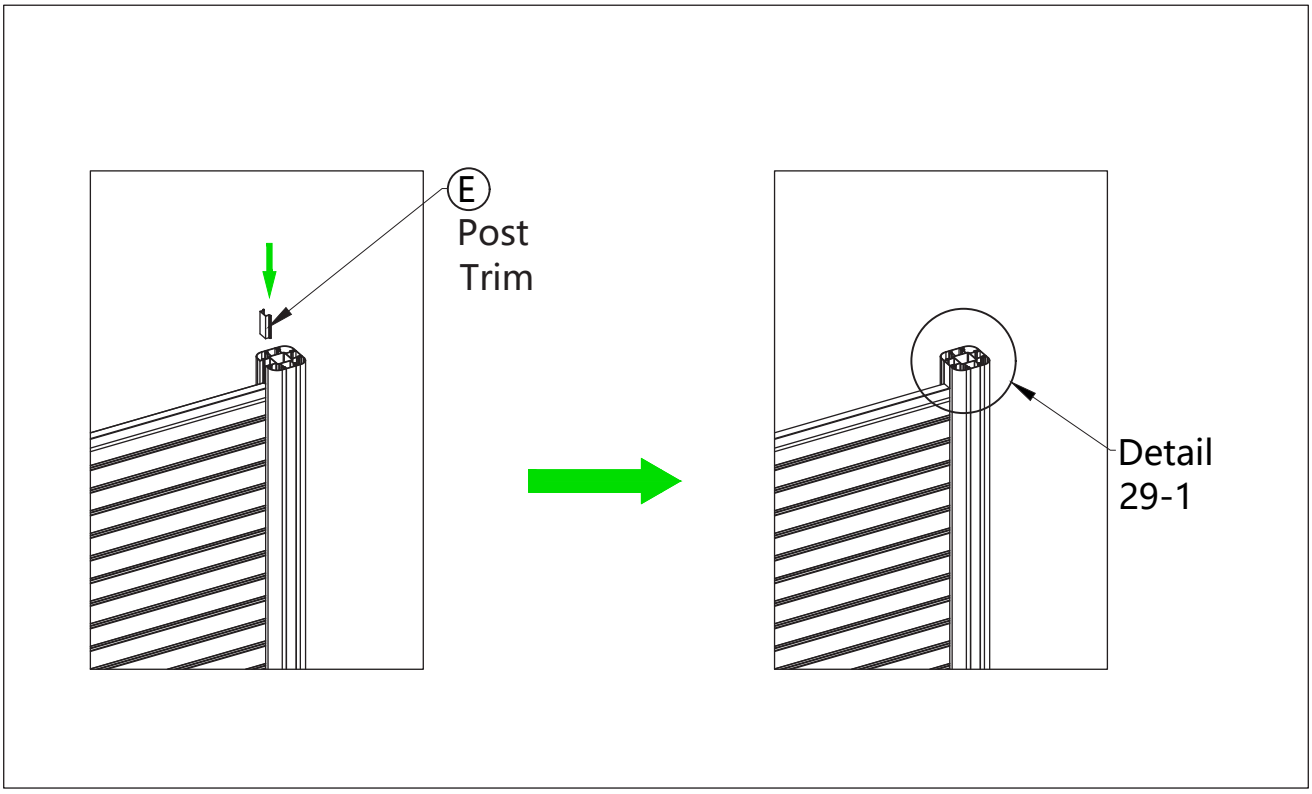
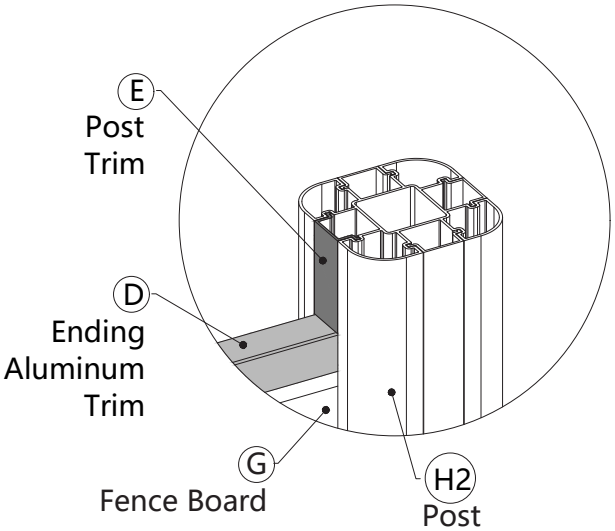


Diagram 29



Detail 29-1

30 Put the **Post Cap (C)** on the top of the **Post (H2)**, as shown in ***Diagram 30***.

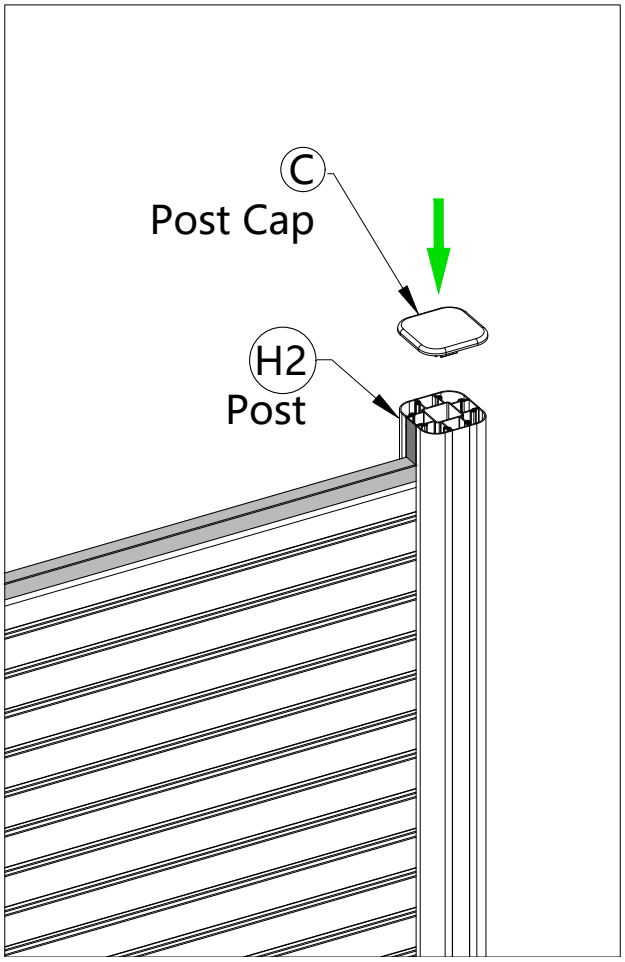


Diagram 30

31 ***Diagram 31*** presents the final appearance after complete the installation.

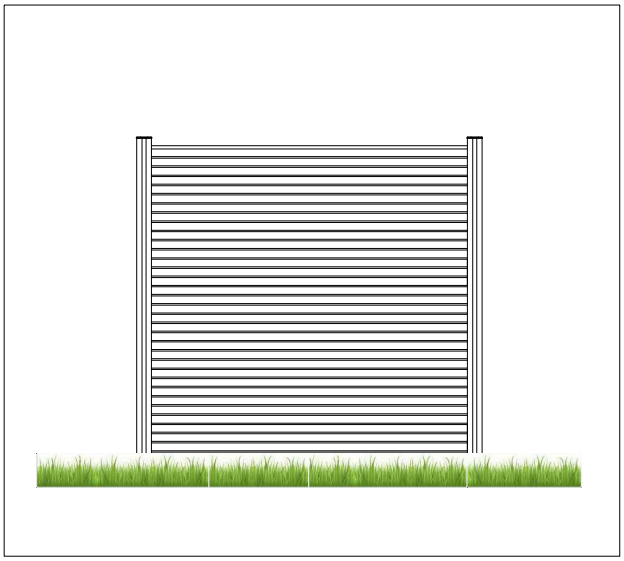


Diagram 31

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