

# aFrame

thermally broken adjustable attachment system



## SYSTEM INFORMATION

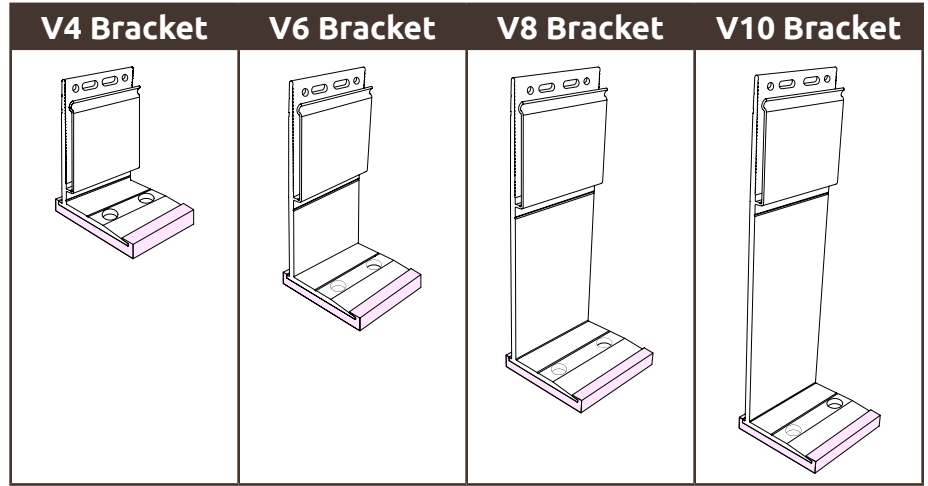
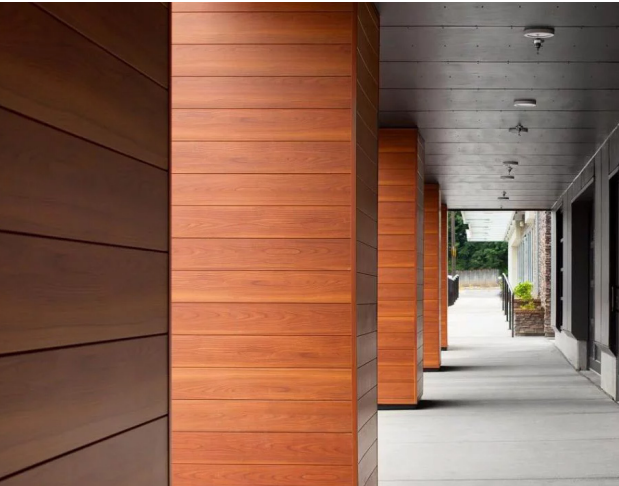
aFrame adjustable subframing is the most adaptable and versatile solution in the industry. aFrame provides a cost-effective thermally broken attachment plane compatible with a wide variety of rainscreen cladding systems.

# aFrame Brackets

The aFrame system includes brackets in easy-to-understand imperial sizing. Each bracket type is available in standard and XL variations. Standard brackets are 3" long, while XL brackets have a 6" length. XL brackets are ideally suited for application with higher imposed wind and cladding loads.

Min/Max System Depth

Size	Min	Max
V4	4"	6"
V6	6"	8"
V8	8"	10"
V10	10"	12"

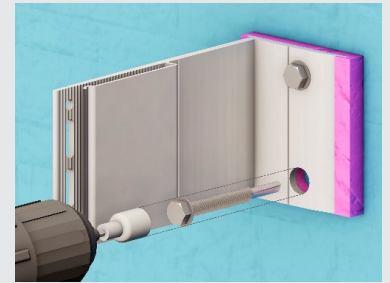


## System Information

### 1. Secure aFrame brackets to the substrate

- 1.1 Position the brackets as per the approved shop drawings.
- 1.2 Secure using the recommended primary fastener.

*Note: Recommended primary fasteners vary dependent on the wall type. Please contact us for recommendations. We recommend that pull-out tests are carried out for attachment into blockwork and brick.*



### 2. Insert profiles into brackets

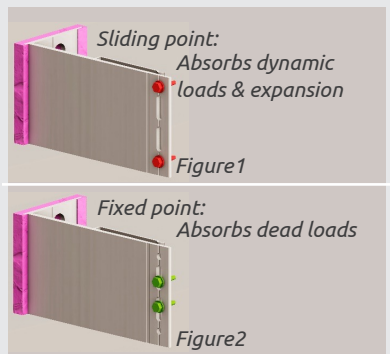
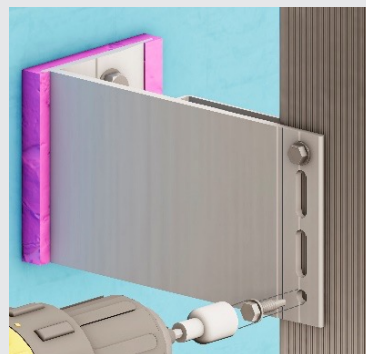
- 2.1 Once the aFrame brackets are aligned in the correct positions, fit the cut length profiles into the helping hand of the bracket, following the shop drawings.
- 2.2 Push the profile into the bracket's helping hand and adjust for line and level.
- 2.3 Check for line and level, ensuring a 1/2" (10-12 mm) gap between the ends of the rails to allow for expansion.



### 3. Attach the profiles to the brackets

- 3.1 Secure the profiles in the correct location using the specified stainless steel fastener. Observe the correct number and attachment location as advised on the shop drawings.

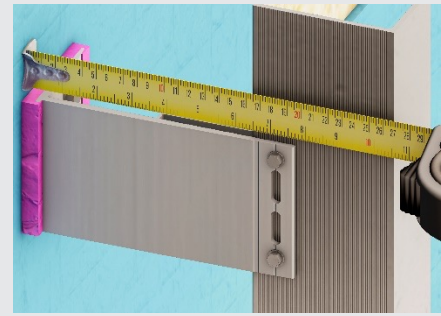
*Note: Only one bracket per profile should have fasteners in the fixed points (round holes) See Figure 1; all subsequent brackets should have fasteners in the sliding points (slots). See Figure 2.*



# Installation Information

## 4. Check over

- 4.1 Once all brackets and profiles are installed to an area of cladding, final checks should be carried out:
- On the primary anchor torque settings
  - To the line and level of the profiles in relation to each other
  - To the number of fasteners and their position in each bracket



## 5. Install panels

- 5.1 Check profile positions in relation to actual panel positions and joints.
- 5.2 Raise the panel and support in horizontal position.
- 5.3 Adjust level and height of panel before fitting next panel above.
- 5.4 Repeat on next panels.
- 5.5 Panel joints should follow manufacturer's recommendations.
- 5.6 The starting and stopping of sub-framing components should align with panel manufacturer's requirements and project engineering.
- 5.7 Ensure movement joints are properly accounted for with project engineering and panel and sub-framing design.

*Note: Typically, profiles are cut so that the panel(s) are located on one set of vertical profiles and do not bridge an expansion gap between two profiles.*

## Notes

### Fasteners

Suitable primary anchors are designed to attach the brackets to a pre-determined grid to suit the cladding panel layout. Stainless steel fasteners also assist in preventing bimetallic corrosion. The size and type of primary fastener for the connectors will always be determined by the dynamic and dead loads they have to resist. Please get in touch if you need further details.

### Insulation

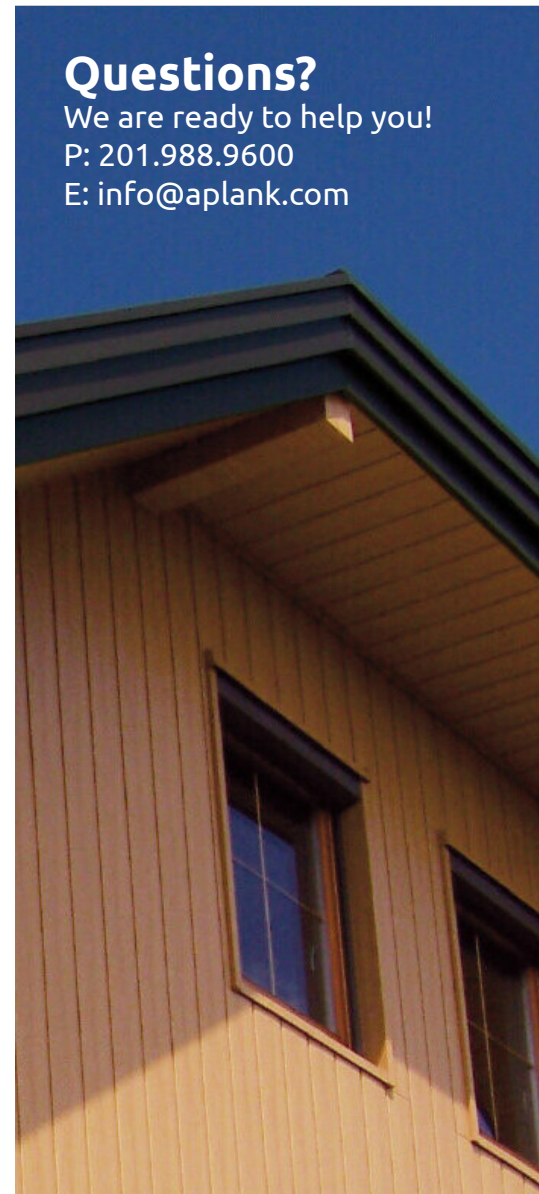
Where insulation is specified, it should be cut and tightly butted around the brackets and secured with the appropriate fasteners. Sufficient insulation fasteners should be provided to ensure that the insulation cannot block the ventilated cavity.

### Product disclaimer

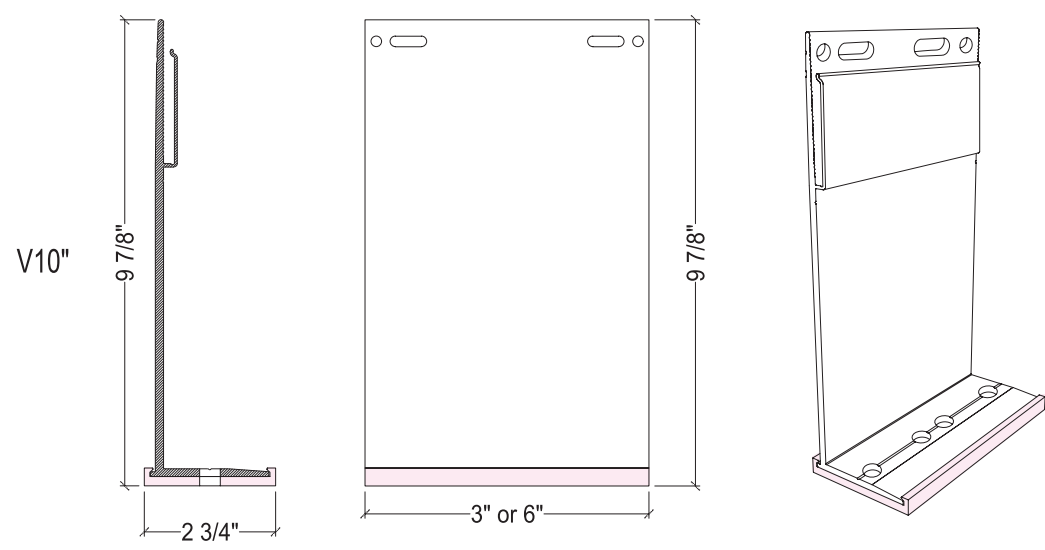
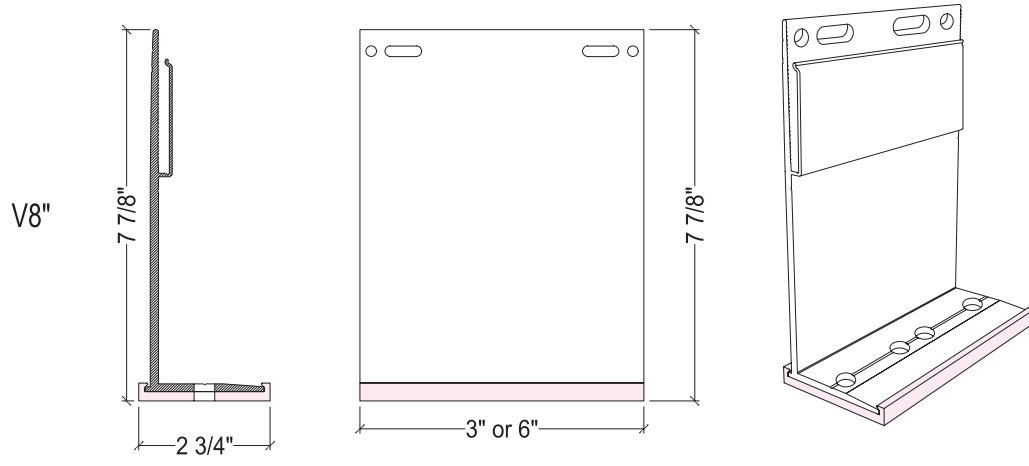
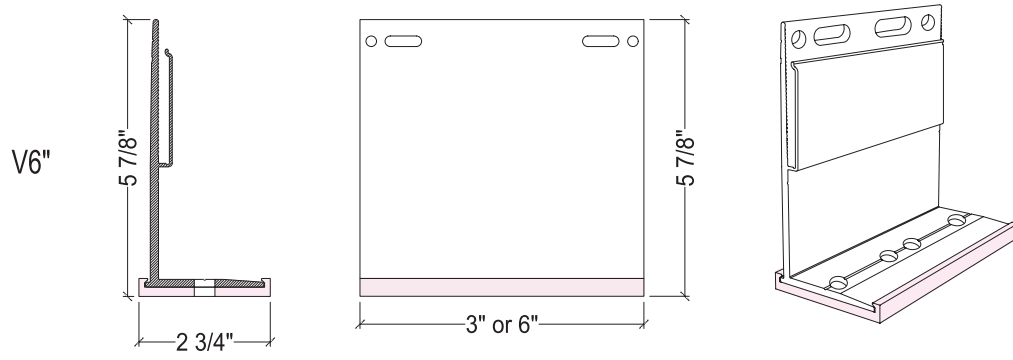
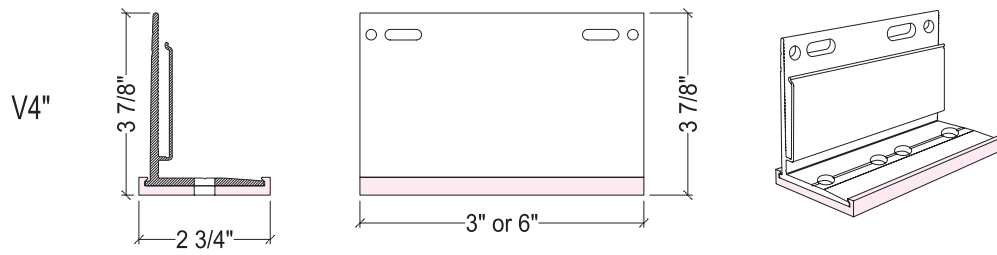
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## Questions?

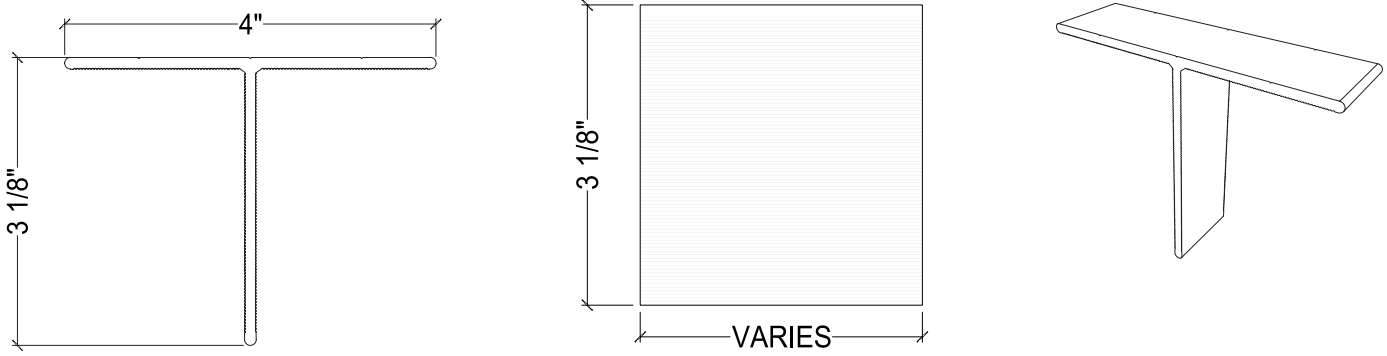
We are ready to help you!  
 P: 201.988.9600  
 E: [info@aplank.com](mailto:info@aplank.com)



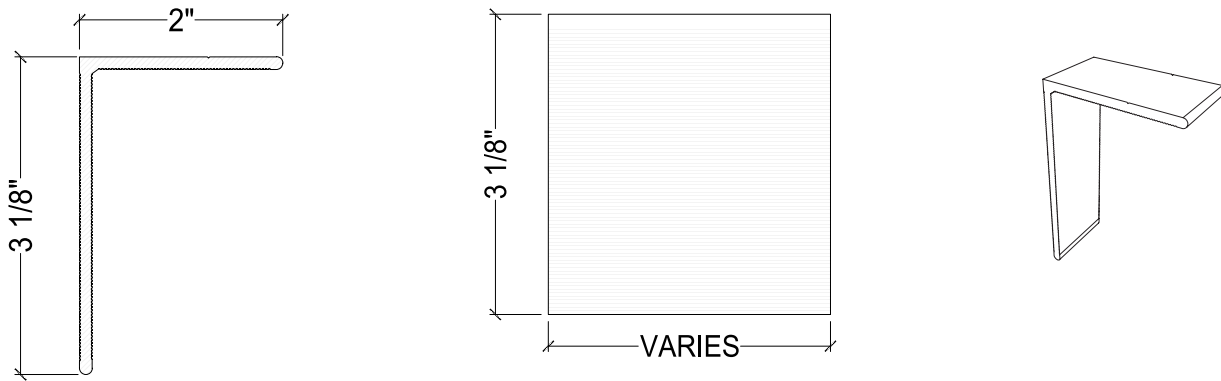
# BRACKET



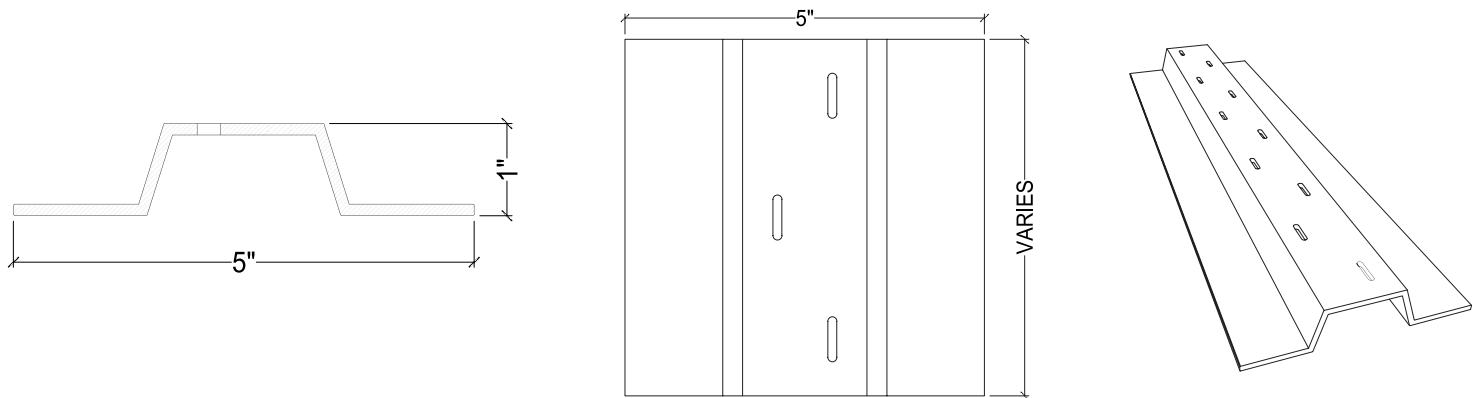
**T-RAIL PRIMARY LAYER**



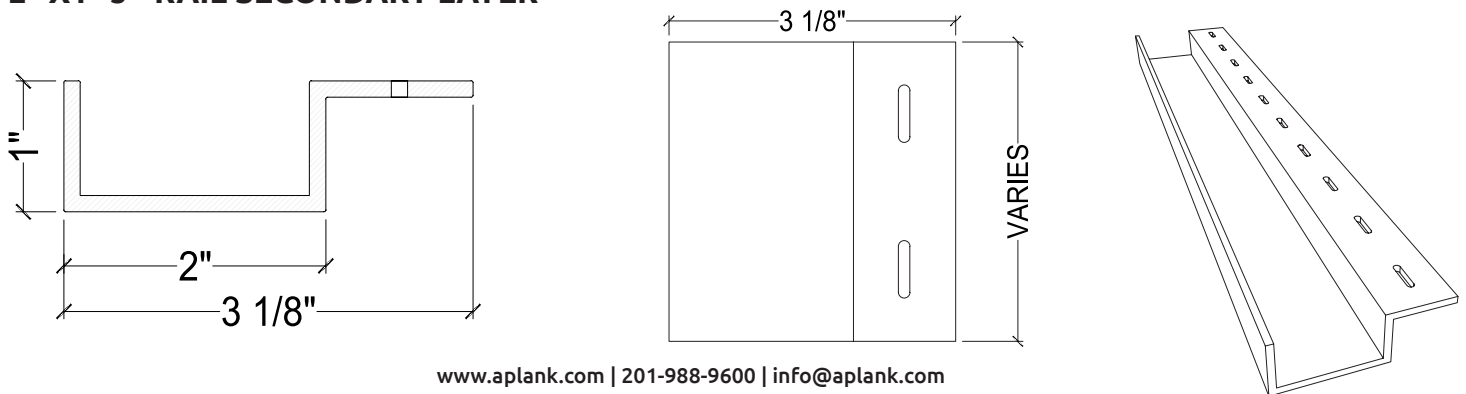
**L-RAIL PRIMARY LAYER**



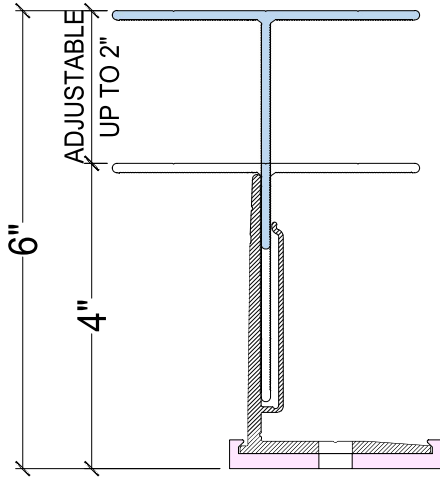
**5" X1" HAT - RAIL SECONDARY LAYER**



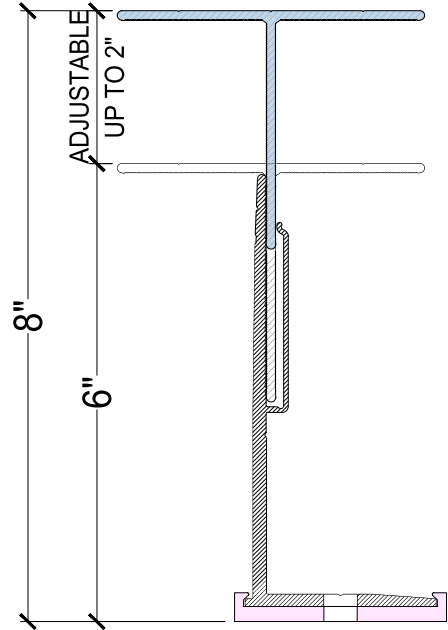
**2" X1" J - RAIL SECONDARY LAYER**



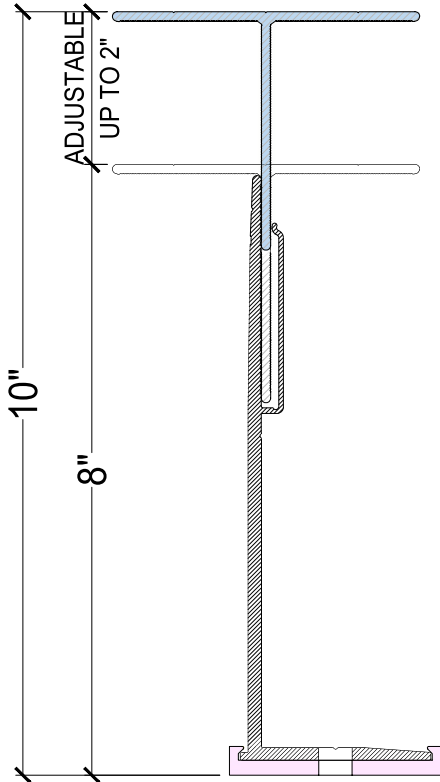
**V4" Bracket System**



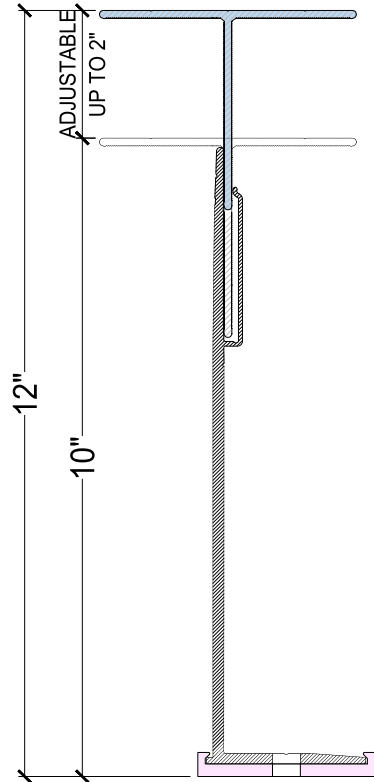
**V6" Bracket System**



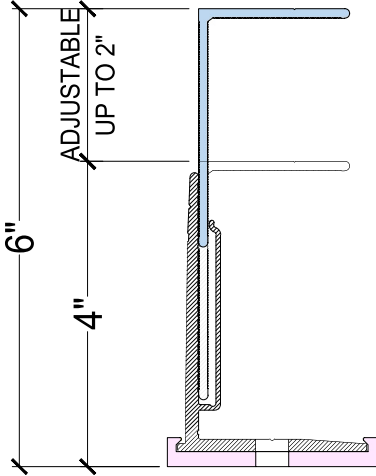
**V8" Bracket System**



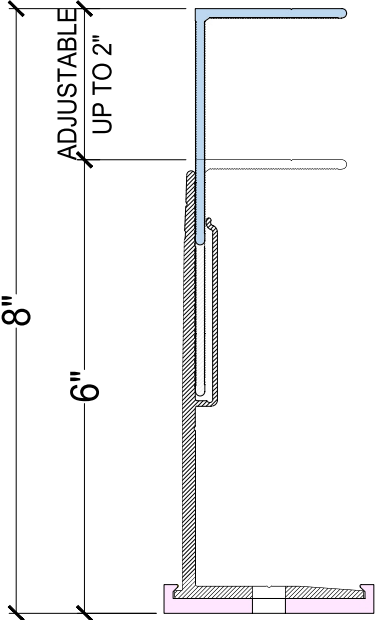
**V10" Bracket System**



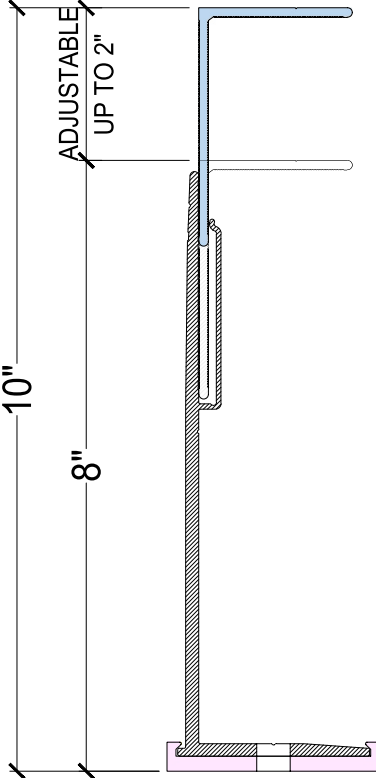
**V4" Bracket System**



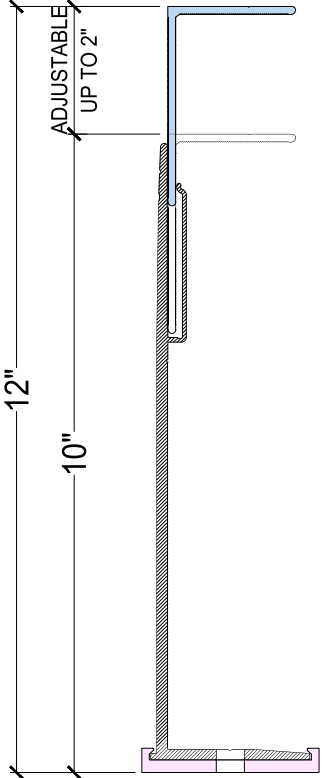
**V6" Bracket System**



**V8" Bracket System**



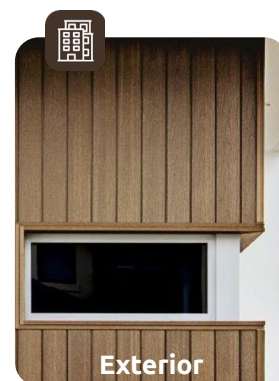
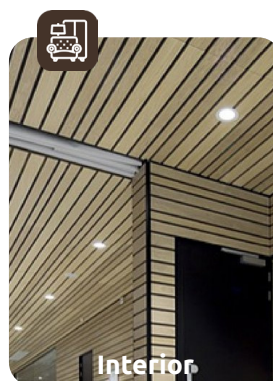
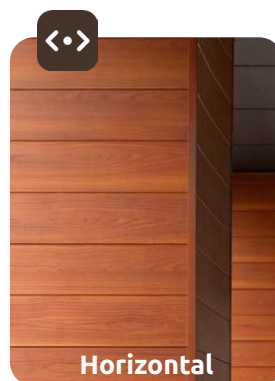
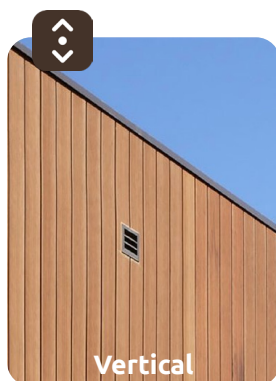
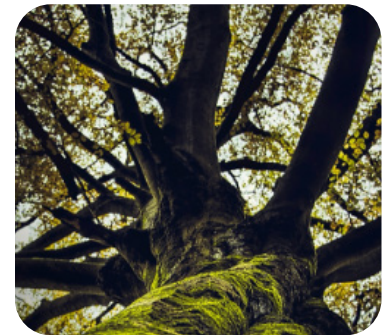
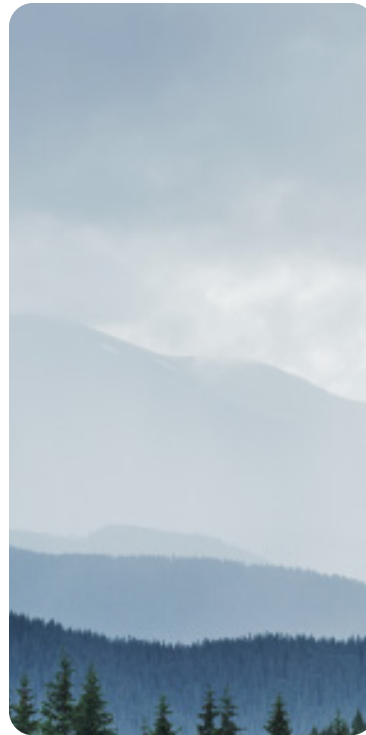
**V10" Bracket System**



# CREATING SUSTAINABLE AND RECYCLABLE PRODUCTS IS OUR PROMISE

aPlank systems are incredibly durable and long-lasting; they require less maintenance and upkeep.

At the end of a building's life, aPlank panels can be reused, repainted, or recycled, with zero material ending up in a landfill.



## VERSATILITY FOR ANY KIND OF APPLICATION

aPlank can be used vertically or horizontally, for both the exterior and interior of your project.