FABRICATED

ACM SYSTEMS

FABRICATED SYSTEMS DATA SHEET

Lumabuilt's Fabricated ACM Systems are engineered to meet project-specific design and performance requirements. Each rainscreen system can be fabricated using panels from our manufacturing partners, and is compatible with both 4mm and 6mm ACM. Panels are delivered with pre-mounted frame and stiffener extrusions, along with all required wall, sill, and modified clip components. Each assembly includes ACM Reveal Color Strips, standard at 1.5" wide for a 0.5" reveal system, with optional widths up to 12" for enhanced design flexibility.

Available Finishes

Fabricated ACM Systems are available in solid, mica pearlescent, brushed, woodgrain, and specialty finishes.

Anodized, copper, and zinc finishes are also available.

Warranty

Lumabuilt Fabricated Assembly: 1 year

ACM Panel Finish: Refer to specific manufactuer's warranty.

ACM Manufacturing Partners

ALPOLIC® METAL COMPOSITE MATERIALS

REYNOBOND®

ALUCOBOND

vitrabond® METAL COMPOSITE MATERIAL

STACBOND

alfrex

Specifications

Maximum Fabricated Panel Size	60" x 192"
ACM Thickness	4m m and 6mm
ACM Core	FR (Fire Resistant Mineral Core)

Fabricated ACM System Testing Information

ESR-5448	Evaluation Service Report published by ICC-ES. Includes FBC not in HVHZ Zone.	
NFPA 285	Fire Performance	Meets Conditions of Acceptance
ASTM E-283	Airflow Penetration Rate	<0.01 cfm/ft² @ 1.57 psf <0.03 cfm/ft² @ 6.2 psf
ASTM E-330	Structural Performance by Uniform Static Air Pressure Difference	Uniform Load Deflection at Vertical +70.18 psf: 0.02" Uniform Load Deflection at Vertical -50.13 psf: 0.02" Uniform Load Deflection at Horizontal +70.18 psf: 0.02" Uniform Load Deflection at Horizontal -50.13 psf: 0.01" Uniform Load Structural at Vertical +100.25 psf: <0.01" Uniform Load Structural at Vertical -75.19 psf: <0.01" Uniform Load Structural at Horizontal +100.25 psf: <0.01" Uniform Load Structural at Horizontal -75.19 psf: <0.01"
ASTM E-331	Water Penetration	No Leakage @ 12.11 psf

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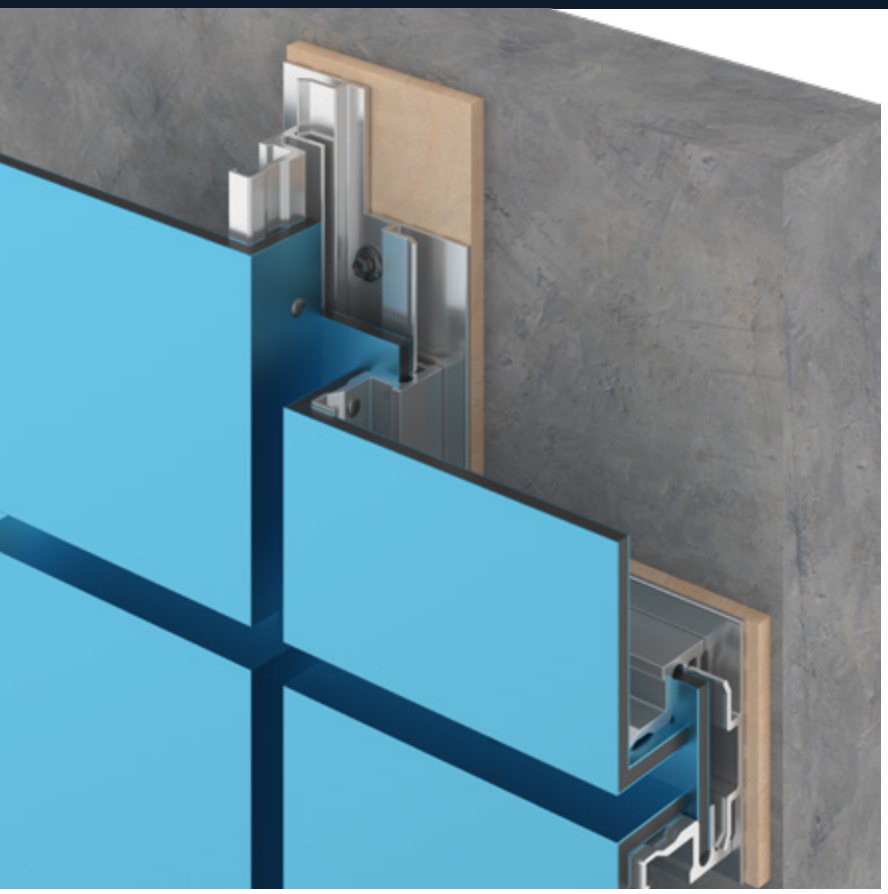
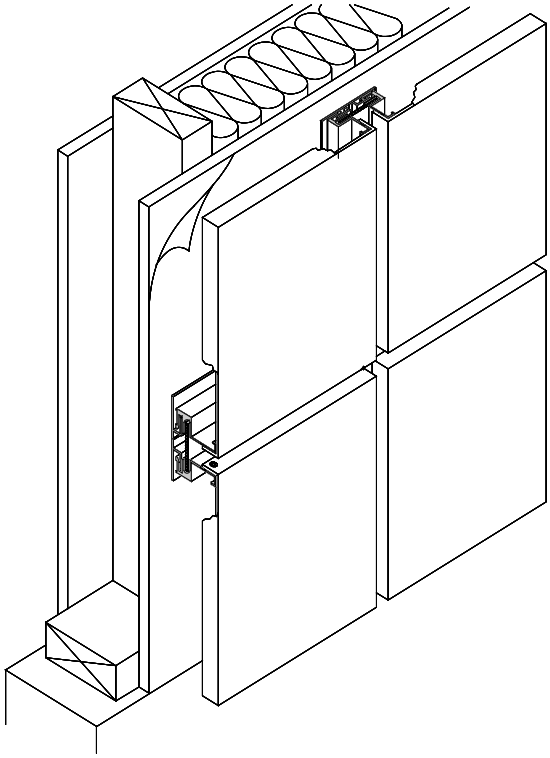
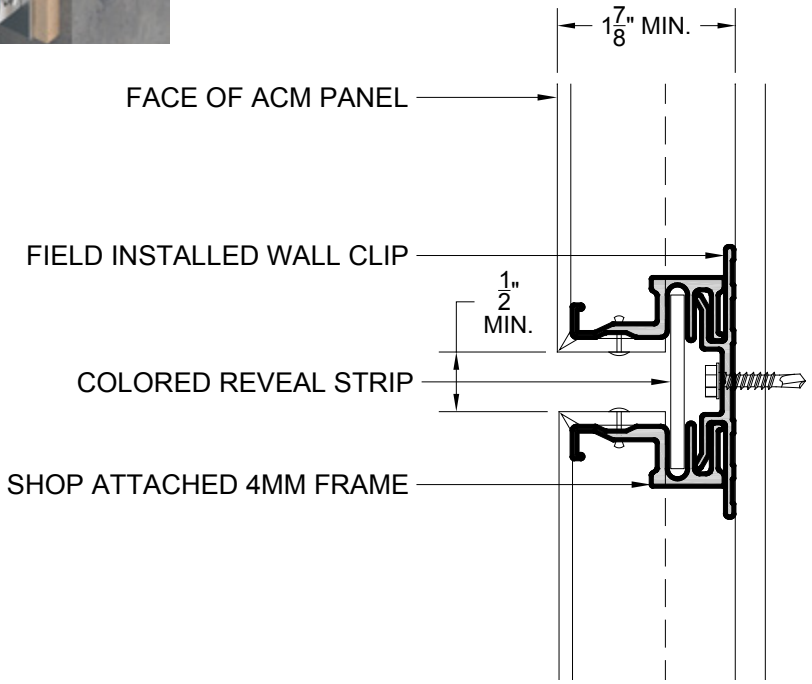


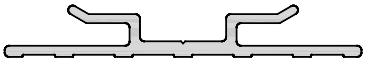
A1000 ACM RAINSCREEN SYSTEM

The A1000 Drain-Back Ventilated Rainscreen System is a cladding solution engineered to manage incidental water through pre-drilled weep holes that allow controlled drainage and ventilation. Each panel assembly includes pre-mounted frame and stiffener extrusions, along with reinforced corner bracing for added structural stability. Designed for straightforward installation using standard tools, the A1000 provides a reliable, high-performance exterior envelope that combines precision fabrication with ease of use.





4MM FRAME



WALL CLIP

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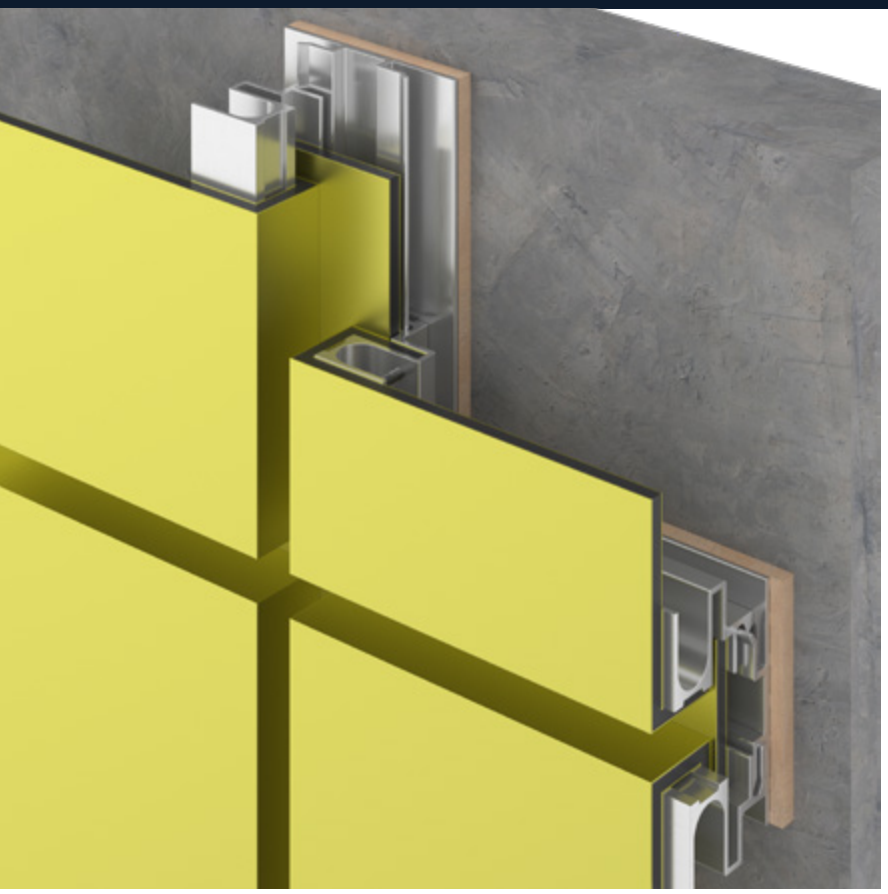
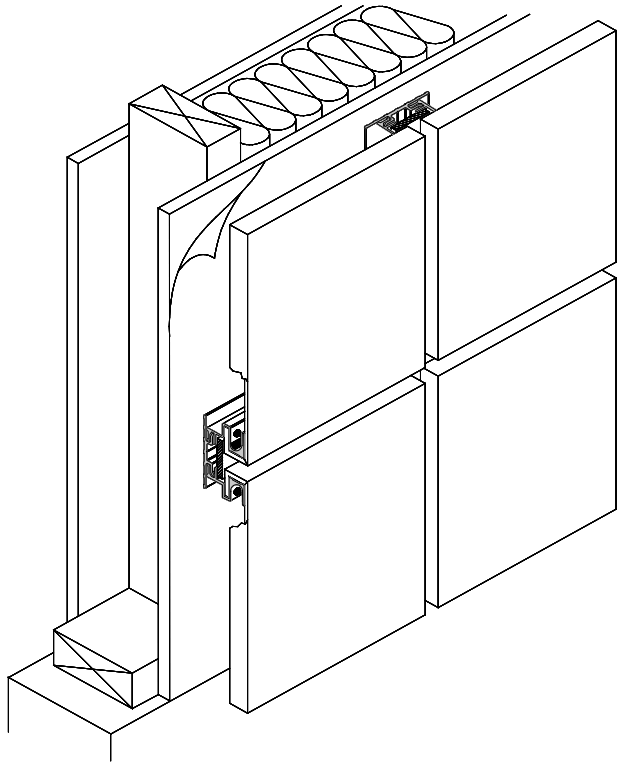
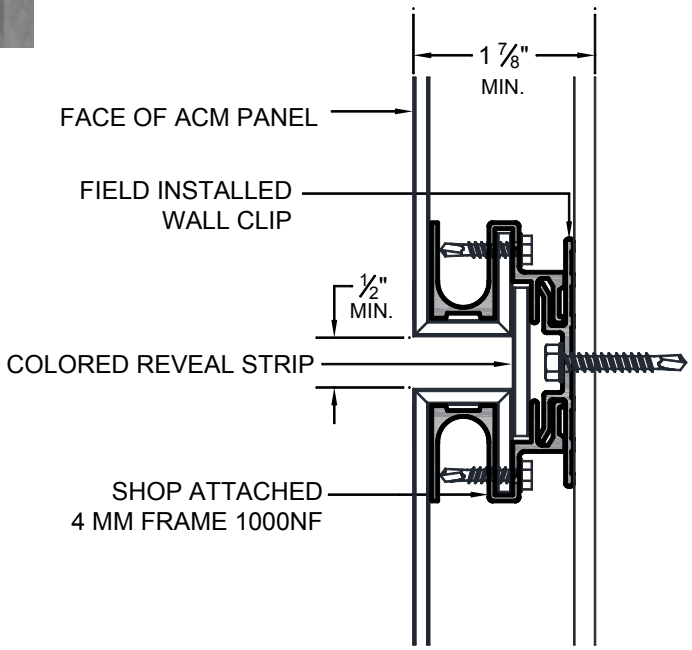
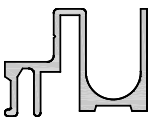


A1000NF ACM RAINSCREEN SYSTEM

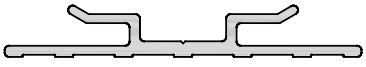
The A1000NF Drain-Back Ventilated Rainscreen System features a concealed-fastener design that delivers a clean, uninterrupted exterior appearance while maintaining the same pressure-equalized performance as the A1000. Incidental water is managed through pre-drilled weep holes, allowing for proper drainage and ventilation. Each panel assembly includes pre-mounted frame and stiffener extrusions with reinforced corner bracing for added rigidity. The system installs easily using standard tools, offering a seamless aesthetic without compromising strength or functionality.







4MM FRAME



WALL CLIP

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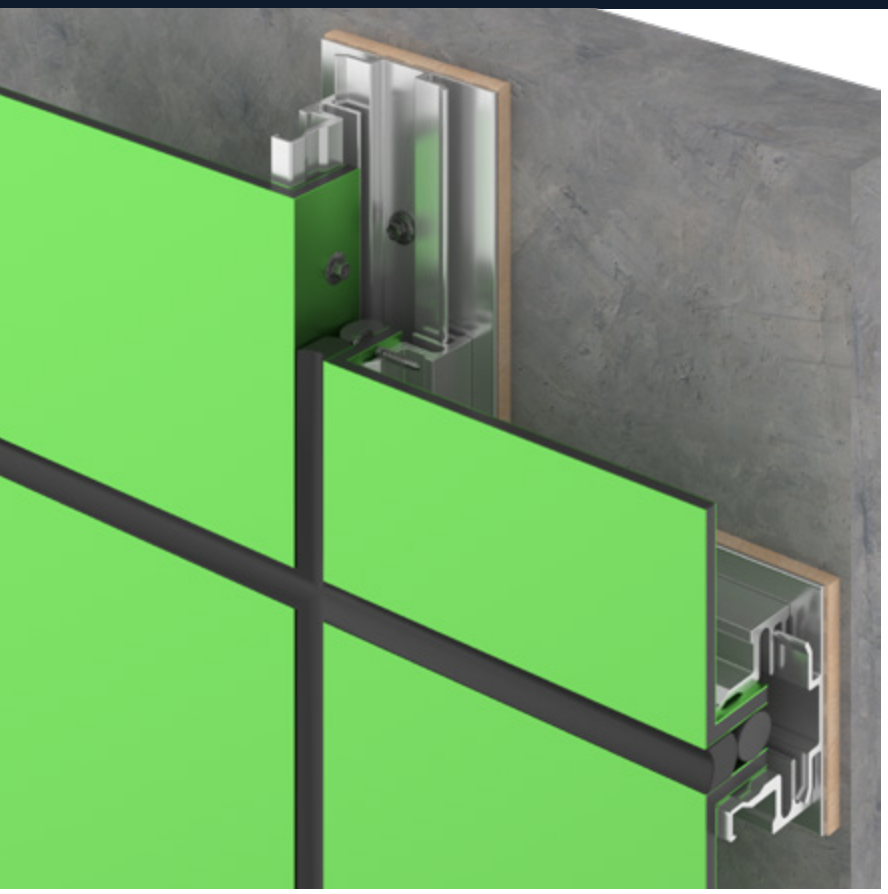
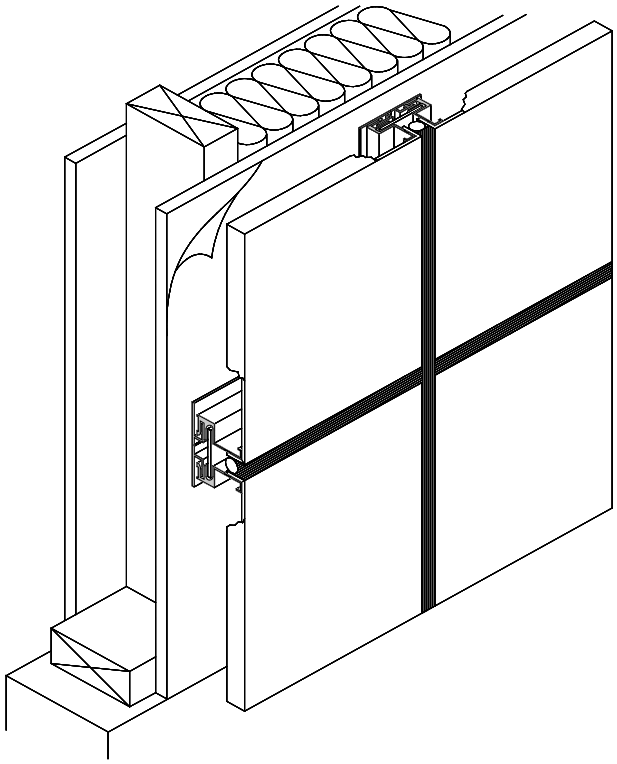
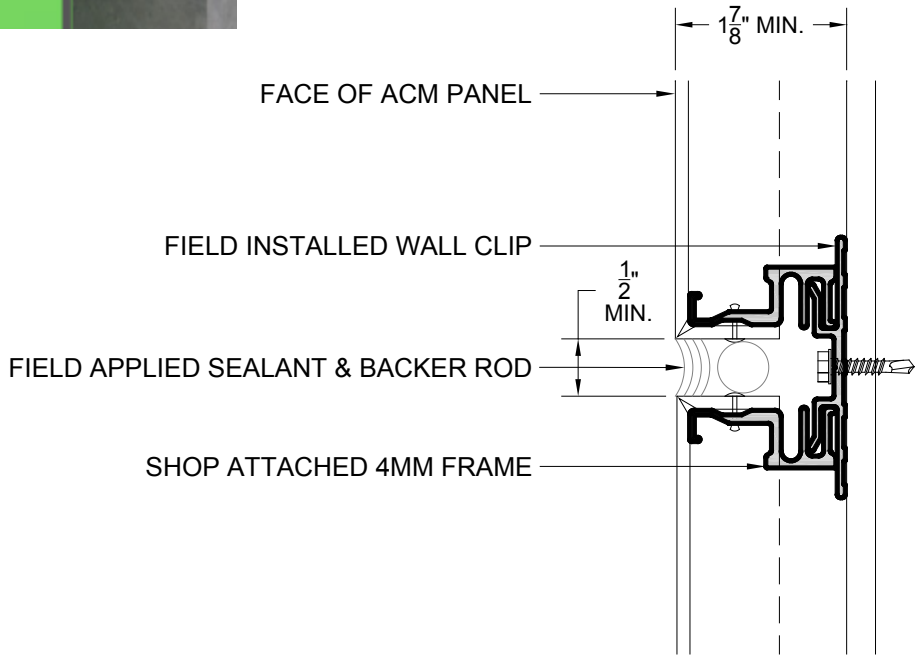


A2000 WET SEAL ACM RAINSCREEN SYSTEM

The A2000 Wet Seal System provides a sealed-joint cladding solution designed to resist air and water infiltration. Using backer rods and approved sealants, this system creates a continuous, weather-tight exterior envelope ideal for applications requiring enhanced moisture protection. Each panel assembly includes pre-mounted frame and stiffener extrusions with reinforced corner bracing for added strength. The A2000 installs easily with standard tools, offering a durable, low-maintenance alternative to open-joint rainscreen designs.





4MM FRAME

WALL CLIP

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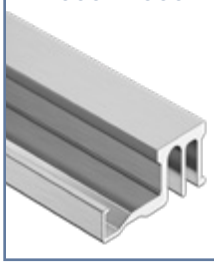
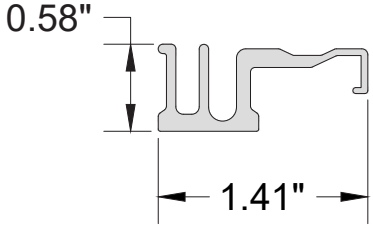
EXTRUSIONS

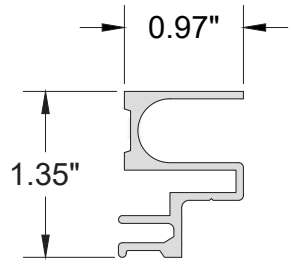
Lumabuilt offers a proprietary line of extrusions for riveted, concealed, and wet systems. Every component is made from 6063-T6 aluminum and is designed for compatability with all major ACM panels availablie on the market. All fabricated systems include the neccesary extrusions for installation.

A1000/A2000 4MM FRAME

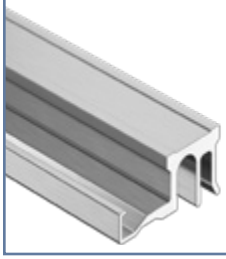


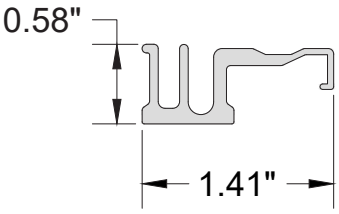


A1000NF 4MM FRAME



A1000 6MM FRAME





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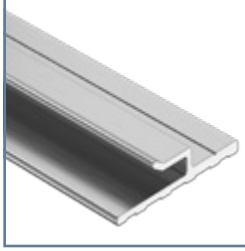

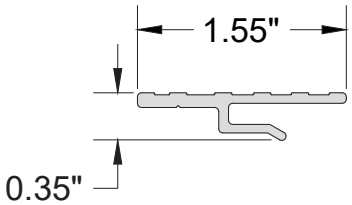

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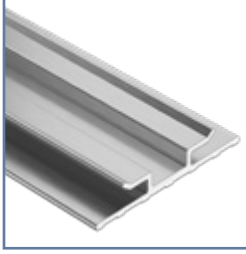
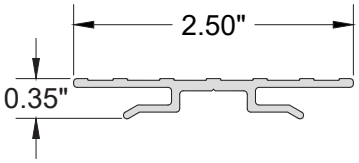
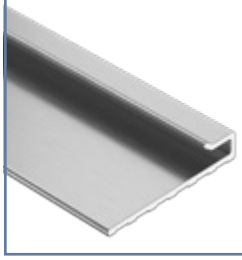
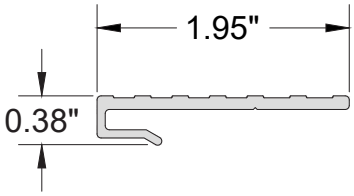


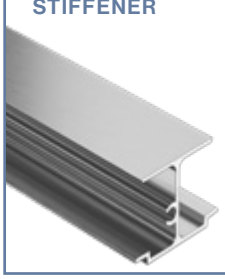


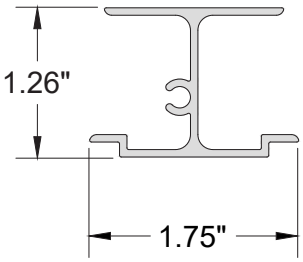
SILL CLIP





STIFFENER





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