

GET TO KNOW ECO

Through 20 years of technical expertise, industry relationships and real-life experience, ECO Cladding continues to offer engineered, single source solutions for any rainscreen.

Our approach to rainscreen sub-framing gives designers the ability to seamlessly interchange multiple cladding materials on the same project and/or elevation with a unified substructure assembly. Design materials such as ACM, metal panels, FRP, fiber cement, HPL, terracotta, natural stone, porcelain ceramic and fiber concrete can all be integrated into a rainscreen wall assembly with one uniform attachment approach.

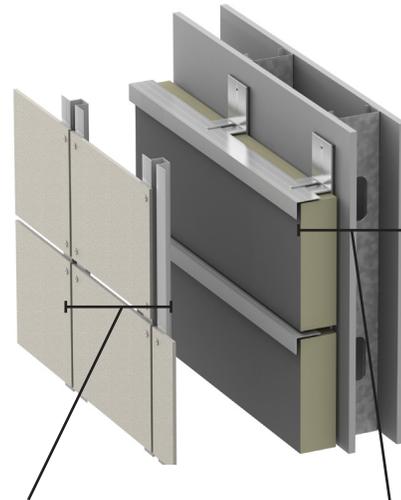
ECO Cladding offers a turn-key solution for the increasingly rigorous demands of engineering and thermal performance.



SUB-FRAMING SOLUTIONS

Wall design has matured. Building designers and owners want a complete, cost-effective wall where all components work together to maximize the wall's performance. Substrate, air-vapor barrier, insulation, sub-framing and exterior facade panels need to be designed as one wall assembly with each element complimenting the other. ECO Cladding sees sub-framing or attachment systems as two parts, what we call "C.I. Sub-framing" and "Panel Sub-framing," working in harmony to create one wall assembly.

With a variety of solutions being offered, ECO Cladding believes that our aluminum "C.I. Sub-framing" provides the best combination of fire safety, engineering and thermal performance at a cost-effective price. When the "Panel Sub-framing" is incorporated into the system, the wall assembly will address all of the wall's design requirements and ensure the façade's exterior panels achieve maximum performance.



PANEL SUB-FRAMING
Panel Sub-framing is incorporated for a full "system" approach to address all of the wall's design requirements and ensure maximum performance for the facade panels.

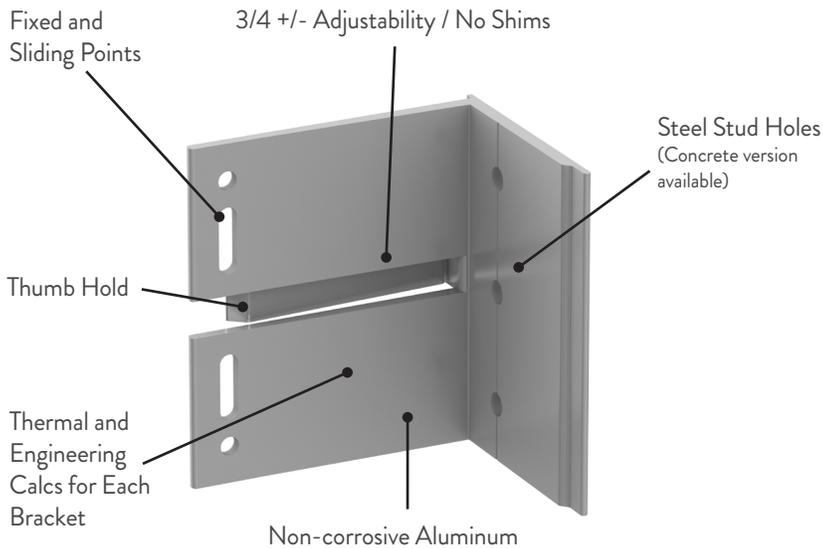
C.I. SUB-FRAMING
C.I. Sub-framing addresses fire safety, engineering and thermal performance. ECO Cladding creates an attachment plane for vertical or horizontal panel layout.

VERTICAL SOLUTION

Alpha brackets are designed to simplify the process of building rainscreen walls of all types. Our Vertical Alpha V brackets are available in twelve sizes to create various cavity depths. The number of fasteners back into the sub-structure will be optimized based on load requirements and back-up wall type.

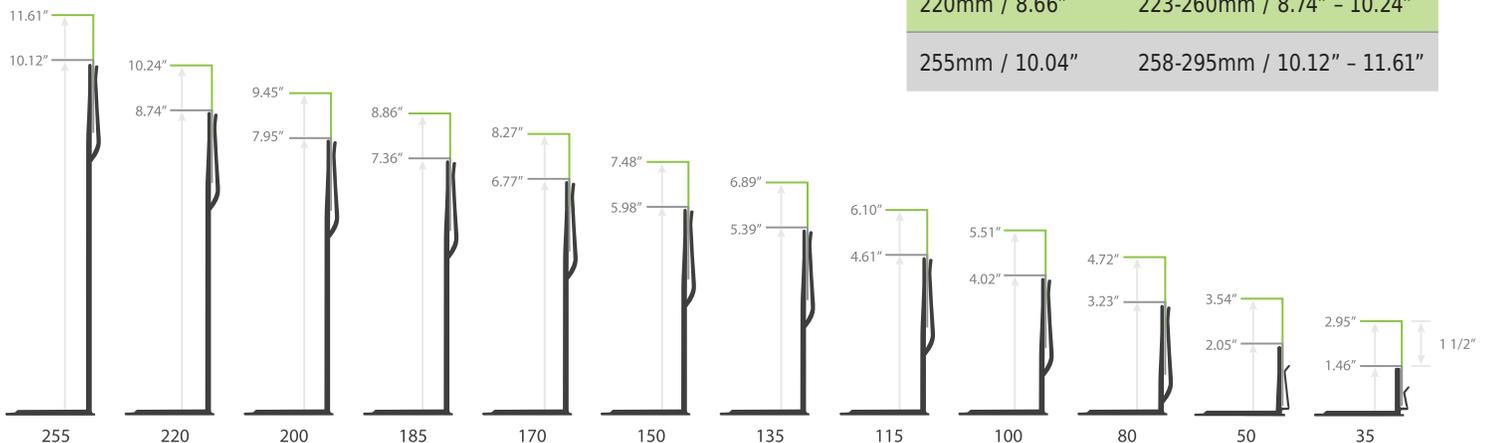
Alpha V+ brackets allow more fastener points and can be used in combination with standard Alpha V brackets to address the cladding material's deadload.

Alpha V WALL BRACKET



Alpha brackets install over multiple surfaces and are NFPA 285 compliant.

Alpha V BRACKET ADJUSTABILITY



Alpha V ADJUSTABILITY CHART

Gain control and ease in creating wall cavity depths. Use the appropriate bracket size to meet your exterior insulation requirements!

BRACKET DEPTH	DEGREE OF ADJUSTABILITY
35mm / 1.38"	38-75mm / 1.46" - 2.95"
50mm / 1.97"	53-90mm / 2.05" - 3.54"
80mm / 3.15"	83-120mm / 3.23" - 4.72"
100mm / 3.94"	103-140mm / 4.02" - 5.51"
115mm / 4.53"	118-155mm / 4.61" - 6.10"
135mm / 5.31"	138-175mm / 5.39" - 6.89"
150mm / 5.91"	153-190mm / 5.98" - 7.48"
170mm / 6.69"	173-210mm / 6.77" - 8.27"
185mm / 7.28"	188-225mm / 7.36" - 8.86"
200mm / 7.87"	203-240mm / 7.95" - 9.45"
220mm / 8.66"	223-260mm / 8.74" - 10.24"
255mm / 10.04"	258-295mm / 10.12" - 11.61"

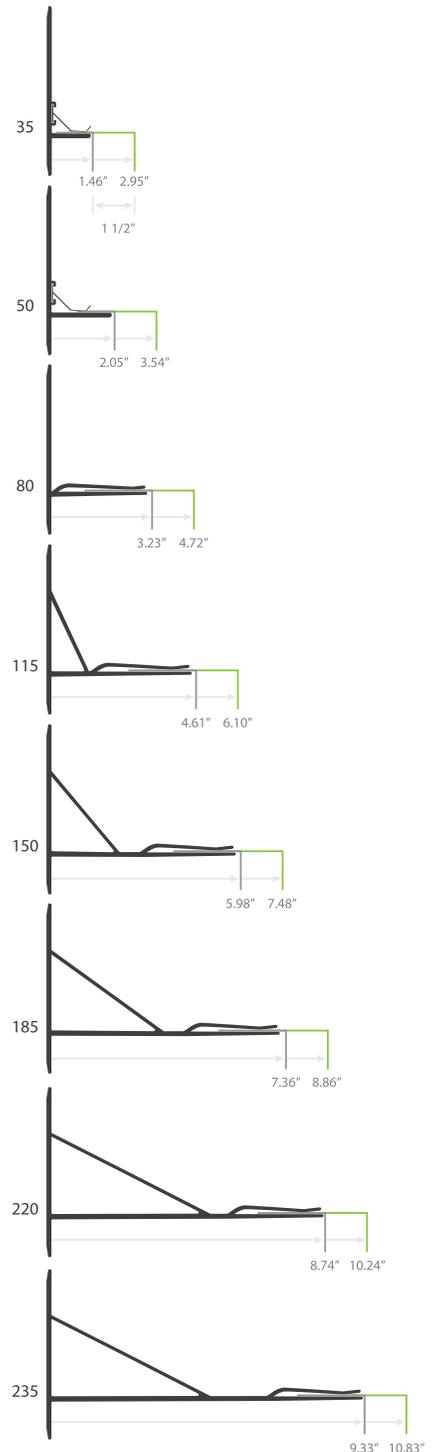
OVERVIEW

HORIZONTAL SOLUTION

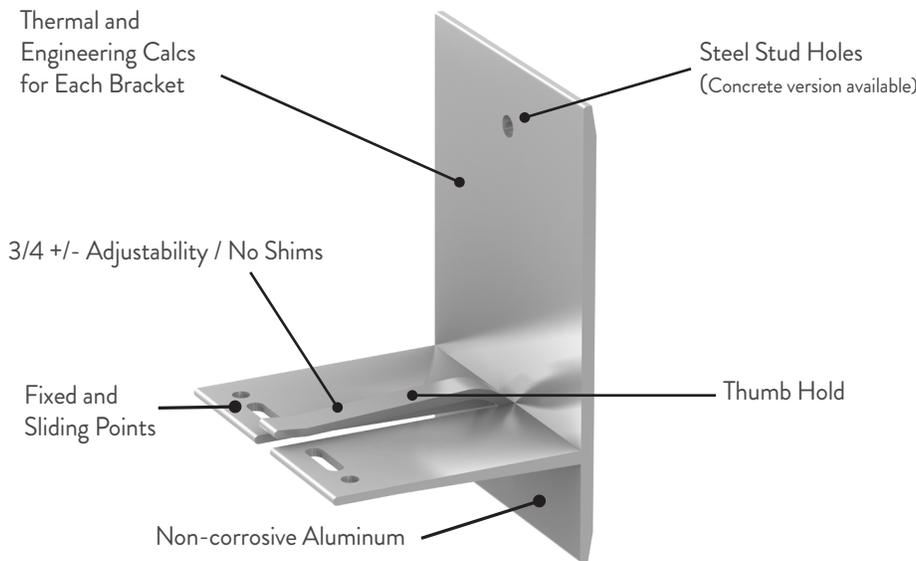
Alpha brackets are designed to simplify the process of building rainscreen walls of all types. Our Horizontal Alpha H brackets are available in eight sizes to create various system cavity depths. The number of fasteners back into the sub-structure will be optimized based on load requirements and back-up wall type.

Alpha H+ brackets allow more fastener points and can be used in combination with standard Alpha H brackets to address the cladding material's deadload, specifically for concrete block construction.

Alpha H BRACKET ADJUSTABILITY



Alpha H WALL BRACKET



Alpha brackets install over multiple surfaces and are NFPA 285 compliant.

Alpha H ADJUSTABILITY CHART

Gain control and ease in creating wall cavity depths using Alpha Hci wall brackets. Use the appropriate bracket size to meet your exterior insulation requirements!

BRACKET DEPTH	DEGREE OF ADJUSTABILITY	BRACKET DEPTH	DEGREE OF ADJUSTABILITY
35mm / 1.38"	38-75mm / 1.46" - 2.95"	150mm / 5.91"	153-190mm / 5.98" - 7.48"
50mm / 1.97"	53-90mm / 2.05" - 3.54"	185mm / 7.28"	188-225mm / 7.36" - 8.86"
80mm / 3.15"	83-120mm / 3.23" - 4.72"	220mm / 8.66"	223-260mm / 8.74" - 10.24"
115mm / 4.53"	118-155mm / 4.61" - 6.10"	235mm / 9.25"	238-275mm / 9.33" - 10.83"

ALUMINUM ADVANTAGE



Non Corrosive Material

Our aluminum is a 6063 T6 architectural marine grade product which provides a level of corrosion resistance superior to other rainscreen attachment metals.



Lifetime Material Consistency

Aluminum does not become brittle over time like fiber glass or plastic products.



Better Spanning Distances

ECO Cladding's engineered solutions allow maximum spanning capability.



Recycled Content

Alpha brackets use 75% post-consumer recycled content, making them the environmental choice.

COST EFFECTIVE



Fewer Holes in Air Vapor Barrier

Alpha brackets maximize the distance between attachment points on the wall, creating fewer penetrations through the continuous insulation (c.i.) plane.



The Cost Effective Sub-Framing!

Alpha brackets are easy to install and more cost-effective in labor man-hours.



In Stock / Short Lead Times!

Time is money. ECO Cladding stocks Alpha brackets, profiles and accessories ready to ship for your project.



20 Years of Rainscreen Experience

ECO Cladding has over 20 years of USA-based technical expertise, industry relationships and real-life experience.

BRACKET DESIGN BENEFITS



Fixed and Sliding Points

The Alpha bracket has both fixed point and sliding points to address expansion or contraction.



Thumb Hold Feature

The thumb hold design feature creates a substantial labor savings and the brackets allow the system to have a +/- 3/4" adjustment.



Bracket Sizes

Shallow or deep, Alpha brackets can accommodate your building's cavity depth.



Engineered System

The entire wall is engineered to accommodate wind and seismic loads, slab to slab deflections and thermal movements of materials.

ECO SUPPORT TEAM



ECO Cladding Calculator

The ECO Calculator is an engineering tool that gives immediate, project-specific sub-framing layouts.



We Embrace Various Claddings on the Same Building

Designers now have the ability to interchange multiple cladding materials on the same elevation seamlessly.



In-House Support

ECO Cladding provides a full range of services as part of our "systems approach" that guarantees proper installation and performance.



Installer Training

ECO Cladding is committed to our subcontractors during every stage of the project installation.