

THERMALLY BROKEN CLADDING SUPPORT SYSTEM



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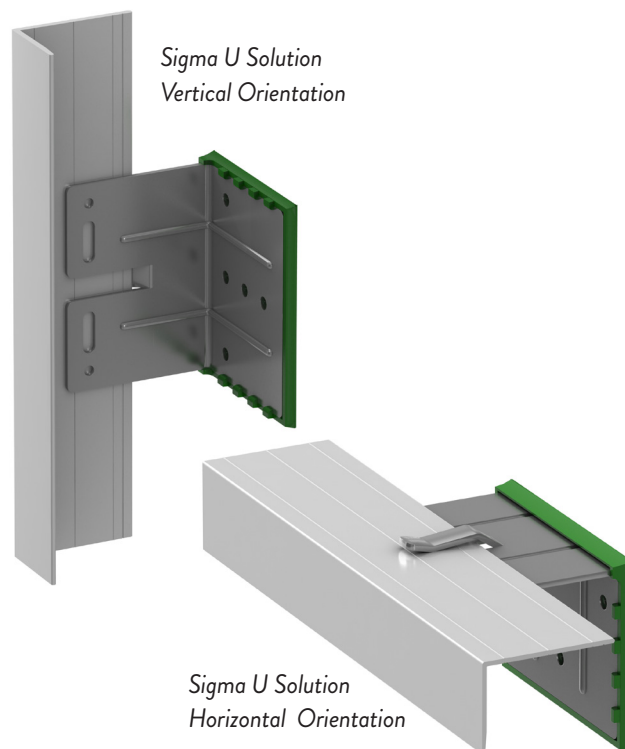
THERMAL PERFORMANCE UPGRADE



Thermal bridging can be responsible for a structure's heat loss. ECO Cladding's Sigma U stainless steel brackets have low thermal conductivity and an isolator pad which reduces heat loss and significantly decreases thermal bridging.

Sigma U Brackets are designed to simplify the building rainscreen walls of all types by providing one 'universal bracket' for both horizontal and vertical orientation. Sigma U Brackets are available in multiple sizes to create various cavity depths. The number of fasteners back into the substructure will be optimized based on load requirements and back-up wall type.

Not just universal... address your building's U-value with Sigma U Brackets.



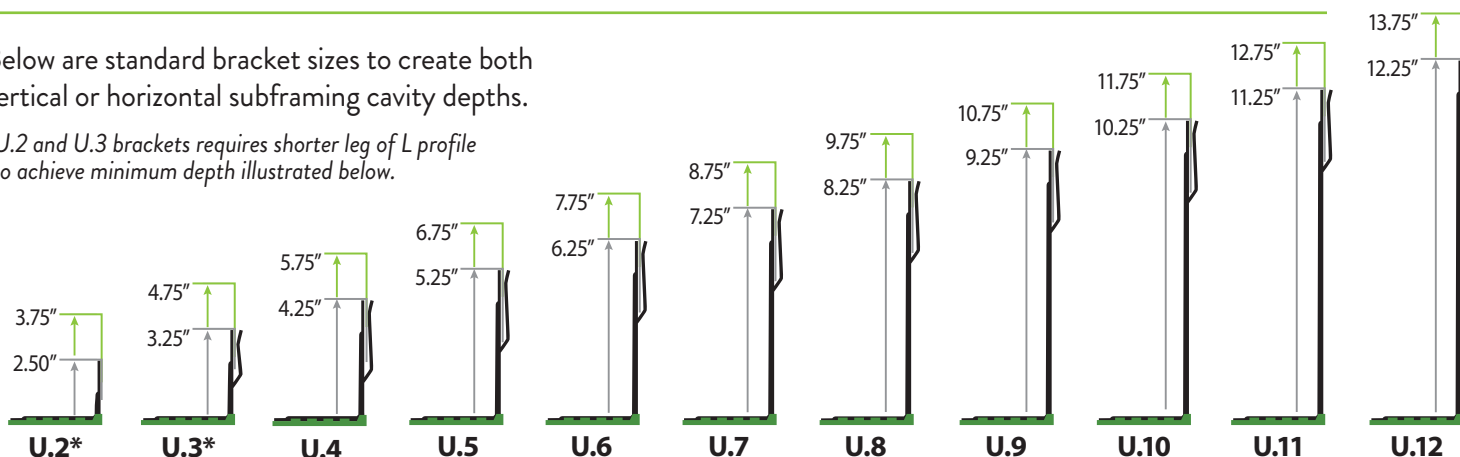
THE VERSATILE BUILDING FAÇADES WE SUPPORT

Designed to handle all types of cladding panel design options including: ACM, fiber cement, fiber concrete, terracotta, high pressure laminate, aluminum, copper, Zinc, GRFC, thin brick, ceramic, porcelain, metal panels, sintered stone, glass, stone, stainless steel, and timber.

BRACKET RANGE

Below are standard bracket sizes to create both vertical or horizontal subframing cavity depths.

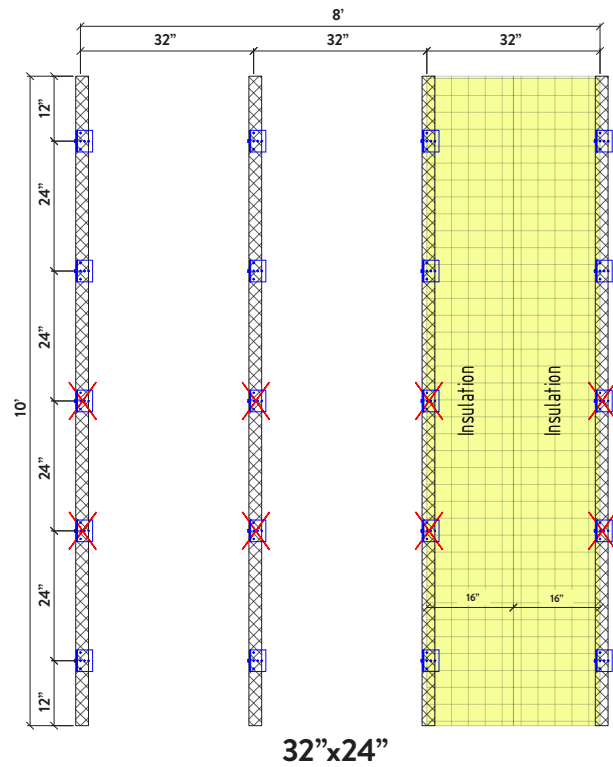
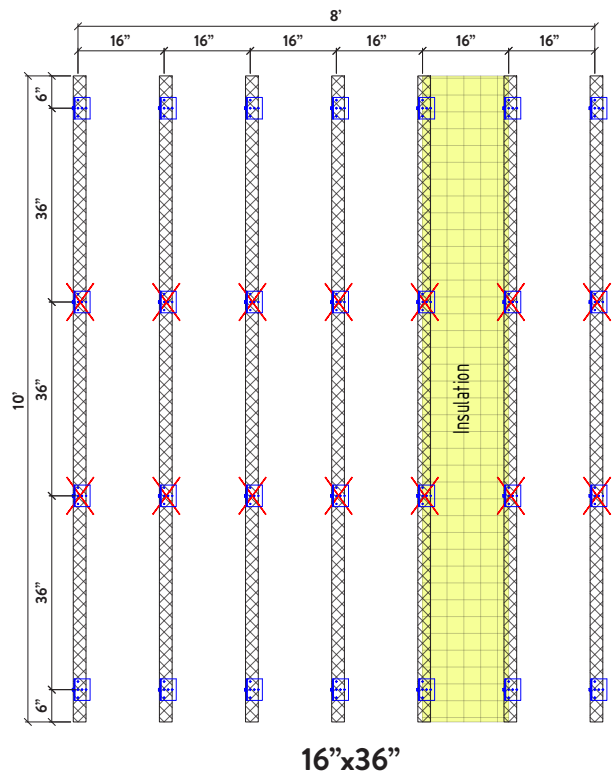
* U.2 and U.3 brackets requires shorter leg of L profile to achieve minimum depth illustrated below.



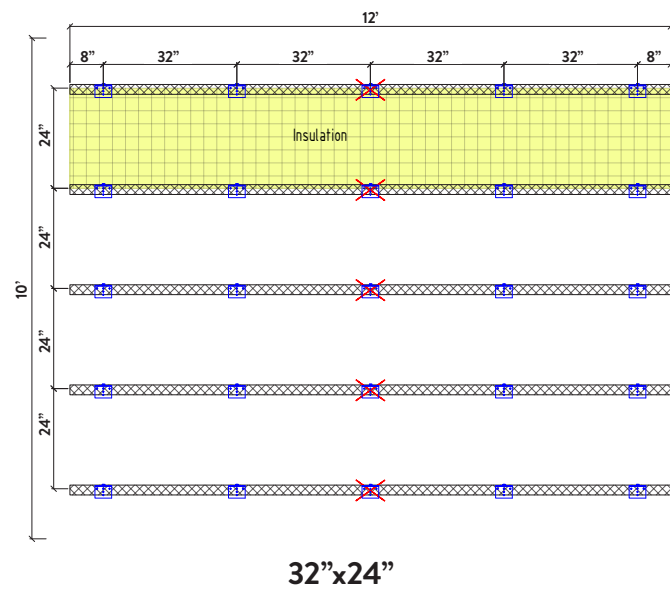
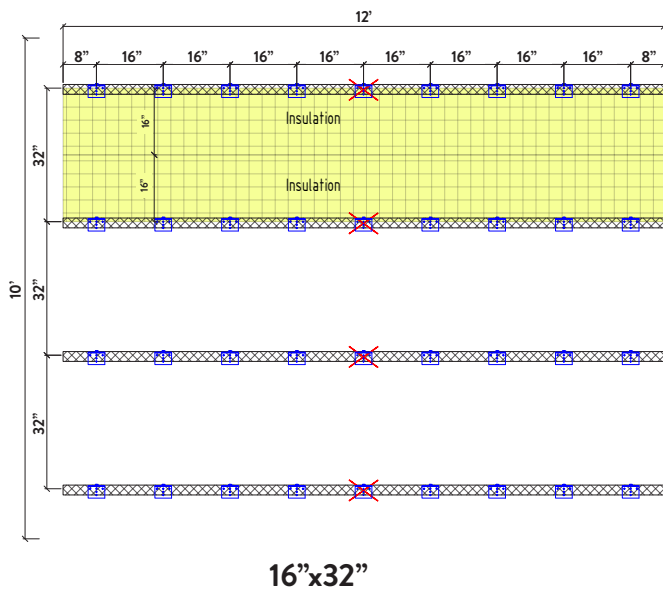
STANDARD LAYOUTS

Below are standard representations for vertical and horizontal cavity design. Bracket spanning is subject to change pending façade attachment requirements. Please contact ECO Cladding for guided reference on appropriate project specific spacing. Compete systems for various panel types are available from ECO Cladding.

VERTICAL



HORIZONTAL



KEY SIGMA FEATURES



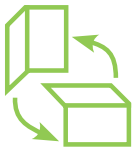
SELF ADJUSTING

Up to 1.5" of internal adjustability.
Level and plumb not a problem.
Cavity depths from 2" to 12".
Helping hand acts like another laborer on your team.



INSULATION FRIENDLY

Insulation 1,2,3 – bracket, rail and insulation sequenced – standard insulation sizes (16" and 24" wide).
90 degree angle - snugly install rigid or semi-rigid insulation.



UNIVERSAL BRACKET

Both vertical and horizontal achieved in one bracket. Stiffening ribs create optimal engineering design.



LIMITED PENETRATIONS

Limited penetrations into air and vapor barrier. Back plate provides water tightness and compressive fit.



THERMALLY BROKEN

Pre-installed isolator pad provides material separation and thermal break. Made of enhanced thermal resistant material. Achieve U-values to meet ASHRAE 90.1. Passive House certified component.



ENGINEERED SYSTEM

Fixed and Sliding points allow for expansion and contraction of subframe system. One to three anchor design creates numerous economically efficient engineering solutions. Building specific calcs.



NON-COMBUSTIBLE

Fire resistance to address fire codes.



SUSTAINABLE

Long term sustainable material. Corrosion resistance – marine grade quality. Most thermally efficient construction metal.



STAINLESS STEEL / HIGH GRADE MATERIAL

Grade 304 stainless steel is pre-punched and accommodates heavy rainscreen panels and high wind loads.



MADE IN USA

USA-made steel. Buy America / Buy American advantage.



RECYCLED CONTENT

Excellent recycled content profile with 18.29% pre-consumer and 63.77% post-consumer.