Trifab® SunShade

When Energy Conservation and Aesthetics are Equally Important

The use of sunshades on building façades continues to increase and move down the building. Traditionally, sunshades were most often seen attached to curtain walls. As energy conservation and aesthetics have become equally important, there has been an increased interest in sunshade applications on storefronts. Kawneer's Trifab® SunShade is an easy-to-install option for our Trifab® 451 and Trifab® 451T Storefront Framing systems.

Aesthetics

In addition to shading interiors and conserving energy, Trifab® SunShade adds additional aesthetic appeal to storefronts. By utilizing existing pre-engineered outriggers, louvers and fascia, designers can mix and match components to maintain consistency between the curtain wall and storefront areas of the overall building façade when sunshades are desired.

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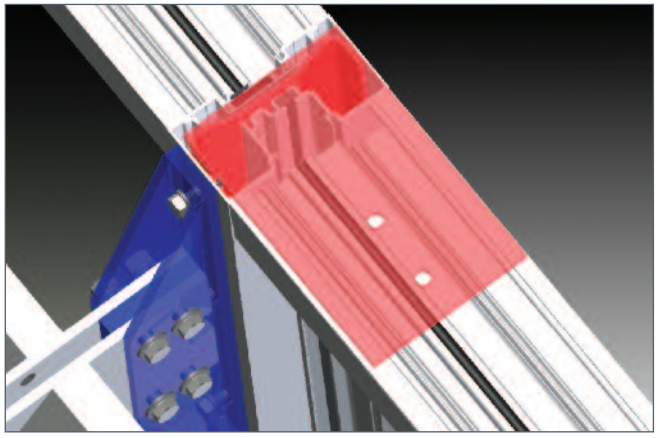
Economy

Trifab® SunShade is pre-engineered and easily assembled using screw spline joinery, then attached to a channel that is bolted to the Trifab® vertical mullion. The result is a 30-inch projection, providing generous shade for interiors of both small and large buildings.

The considerable savings in fabrication and attachment time compared with custom sunshades creates economies in budgets and construction schedules. In turn, these savings allow for the use of sunshades on even the most modest storefronts.

Welding a plate to internal steel (shown in red) provides for secure attachment of the sunshade via mounting brackets (shown in blue) to the framing system. Additionally, the welded plate solidifies attachment of the framing system to the building structure. (Trifab® VG 451T Screw Spline Framing system shown – Trifab® VG 451T Shear Block Framing system similar.)



Performance

The attachment design accommodates both wind loads and snow loads. For design solutions regarding loading, attachment and anchor conditions, please consult with your Kawneer representative.

Energy Savings

Trifab® SunShade reduces solar heat gain on the glazing, which lowers cooling costs — a benefit acknowledged by the International Energy Conservation Code. The reduction is measured by the projection factor, a function of the horizontal projection and height of the window, which takes into account the shading effect, thereby reducing the dependence on glass coatings alone to manage solar heat gain.

LEED Credits

Credits are given for providing building occupants a connection between indoors and outdoors through the introduction of daylight and views into occupied areas of the building. Trifab® SunShade can assist in achieving maximum daylighting while minimizing direct sunlight penetration and solar heat gain.

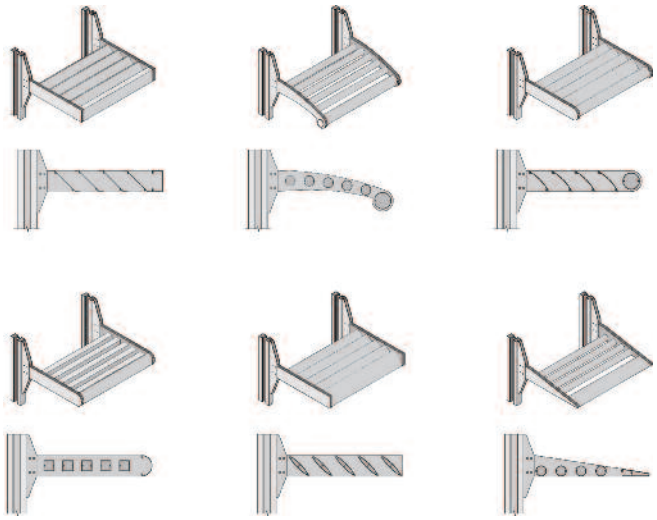
For the Finishing Touch

Permanodic® anodized finishes are available in Class I and Class II in seven different colors.

Painted finishes, including fluoropolymer that meet or exceed AAMA 2605, are offered in many standard choices and an unlimited number of specially designed colors.

Solvent-free powder coatings add the "green" element with high performance, durability and scratch resistance that meet the standards of AAMA 2604.

These drawings illustrate just a few of the ways Trifab® SunShade outriggers, louvers and fascia can be combined to create an almost infinite variety of design elements.



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