

Curtain Wall & Overhead Glazing



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Kawneer offers a comprehensive line of architectural aluminum building products and systems for commercial construction – entrances, framing systems, windows and curtain wall systems. For over a century, Kawneer has been recognized as an innovator. Since that time, we've balanced experience with change and ongoing improvement. We strive every day to develop solutions that promote integrated, sustainable building practices and we are dedicated to providing the tools our customers need to succeed. Thermal breaks, condensation management and building integrated photovoltaic (BIPV) and unitized curtain walls are just a few examples of how we have responded to customer needs.

Hurricane Resistant Products

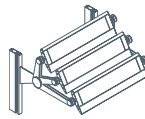
Kawneer offers single-source responsibility with a comprehensive group of independently tested, hurricane resistant products. Many have received Notices of Acceptance (NOAs) issued by Miami-Dade County BCCO and Florida State Approvals. Product testing continues. For more information, visit our website at Kawneer.com.

Custom Curtain Wall

Selected for the world's most recognized buildings
Engineering and design expertise | Worldwide manufacturing and distribution | Established leadership in major applications around the world

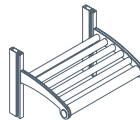
1600 PowerShade®

Provides optimal shade and single-source solution while generating solar power and reducing energy use
Pre-engineered sunshade system effectively reduces solar heat gain | Exclusive dual position pivot system provides optimal angle and extension for shading any location | Produces power/reduces energy consumption and building operating cost | Conserves valuable natural resources, is silent and pollution free | Can be directly connected to 1600 Wall System®1, providing single-source responsibility and total system solution



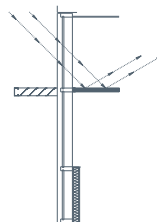
1600 SunShade®

An economical, pre-engineered and integrated sunshade with mix-and-match design choices
Standard sunshade that integrates easily into outside glazed 1600 Wall System®1 or inside glazed 1600 Wall System®5 | Shades interiors and conserves energy with a 30" projection | Creates considerable savings in fabrication and attachment time compared with custom sunshades, thus allowing use on any building | Provides a single-source solution | Outriggers, fascia caps and louvers are available in several shapes



InLighten® Light Shelf

Reduces the need for artificial lighting by passively channeling natural daylight into an occupied space
Light shelf features aluminum chassis and painted Aluminum Composite Material (ACM) panel surfaces | Attaches directly to 1600 Wall System®1 and System®2 | Two designs include fascia cap or continuous panel "Rout and Return" | Four standard and custom fascia profiles available



1600 Wall System®1, 350 Medium Stile Entrances and GLASSvent® frameless ventilators
Greenburgh Public Library, Elmsford, New York
Architect: BH&A Architects, New York, New York
Glazing Contractor: AFI Glass & Architectural Metal, Inc., Poughkeepsie, New York



1600 Wall System®2 with 1600 SunShade®
Arkansas Department of Environmental Quality, Little Rock, Arkansas
LEED Certification - Gold
Architects: Taggart Foster Currence Gray Architects, Inc., North Little Rock, Arkansas and Williams & Dean Associated Architects, Little Rock, Arkansas
Glazing Contractor: ACE Glass Co., Inc., Little Rock, Arkansas



7500 Wall®, 1600 Wall System®1, 2000 Skylight, Trifab® VG 450 Storefront Framing, 190 Narrow Stile Entrances and 8225 TL IsoLock® Windows
Pennsylvania State University - Dickinson School of Law, Lewis Katz Building, University Park, Pennsylvania
Seeking LEED Certification
Architect: Polshek Partnership Architects, LLP, New York, New York
Glazing Contractor: D-M Products, Inc., Bethel Park, Pennsylvania



1600 Wall System®3, 1600 Wall System®4, with AA®3900 Thermal Sliding Doors, 2000T Terrace Doors and 350 Medium Stile Entrances
Glass House, Denver, Colorado
Architect: The Preston Partnership, LLC, Atlanta, Georgia
Glazing Contractor: El Paso Glass Company - Denver, Aurora, Colorado



1600 PowerWall® and 1600 PowerSlope® 08 44 00/KAW
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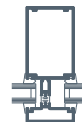
Combines 1600 Wall System®1 and 1600 S.G. and photovoltaic (PV) panels that convert light energy from the sun directly into electricity without using fossil fuels
Conserves valuable natural resources – silent and pollution free | Reduces energy purchased from electric utility especially during peak demand periods | Fully compatible with 1600 Wall System®1 and 1600 S.G. (Sloped Glazing) for incorporating into vertical and sloped glazed applications | Available in a range of sizes compatible with building requirements | Installed with standard glazing procedures and equipment | Easy maintenance

1600 Wall System®1 and 1600 Wall System®2

Reliable systems with versatile features
These are pressure equalized curtain wall systems for low to mid-rise applications
System®1 is an outside glazed, captured curtain wall
System®2 is an outside glazed and structural silicone glazed (SSG) curtain wall
The captured and SSG versions can be used independently or together | Concealed fastener joinery creates a smooth, monolithic appearance | Continuous thermal separator reduces heat gain and loss | Dual finish options, allowing different interior and exterior color finishes | Standard 6", 7-1/2" and 10-1/2" overall system depths | 1600 Wall System®1 and System®2 have been tested for hurricane resistance for both large and small missile impacts | Blast tested to ASTM F 1642 standards

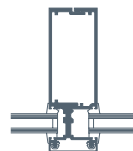


7500 Wall® with 2000 Skylight
PCL Centennial Learning Centre, Edmonton, Alberta, Canada
LEED Certification - Gold
Architects: Cohos Evamy integrateddesign™, Edmonton, Alberta, Canada
Glazing Contractor: Beacon Glass Products Ltd., St. Albert, Alberta, Canada



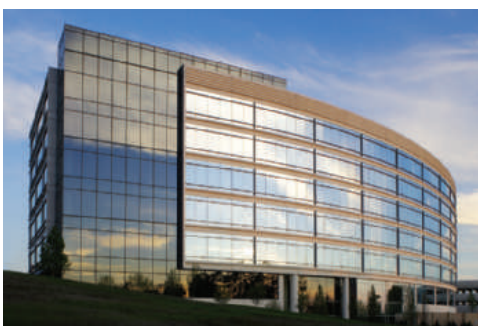
1600 Wall System®3 and 1600 Wall System®4

Inside/outside glazed curtain wall system
System®3 has a 2-1/2" profile
System®4 has a 2-1/4" profile
Incorporates IsoStrut® Thermal Break for superior structural and thermal performance | Design flexibility allows a structural silicone glazing option | Integral exterior cover and thermal isolator reduce installed cost | Inside glazing reduces installation costs | Outside glazing option for spandrel re-glazing

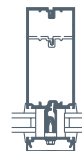


1600 Wall System®5

An inside glazed curtain wall/ribbon window system 2-1/2" profile | Offered in 7-1/2" system depth and optional 6" system depth | Shear block construction for fabrication versatility | Structural silicone glazed option | Optional split mullion design with screw spline construction for ease of installation and fabrication | Allows two-color design options | Thermally improved



Modified 1600 SS™ (Screw Spline) used at horizontal strip application, 1600 Wall System®1, 350 Medium Stile Entrances, 190 Narrow Stile Entrances and Trifab® VG 450 Storefront Framing
77 CityPoint, Waltham, Massachusetts
LEED Certification - Gold
Architect: Tsoi/Kobus & Associates, Cambridge, Massachusetts
Glazing Contractor: Ipswich Bay Glass, Co., Rowley, Massachusetts



1600 SS™ (Screw Spline) / 1600 SS Unitwall™ (Pre-glazed option)

Shop assembled for faster field installation
Outside glazed captured or SSG Curtain Wall | Concealed screw spline joinery allows for shop assembly | Unique interlocking mullion design eliminates the need for anti-buckling clips | System depths and sightline match 1600 Wall System®1 and System®2 | 1600 SS Unitwall™ allows units to be pre-glazed in the shop | 1600 SS™ blast tested per ASTM F 1642 and GSA -TS01-03 standards.



7500 Wall®

Exceptional thermal performance and resistance to condensation
Incorporates high-performance ISOWEB® thermal break | Accommodates 1" double glazed or 2" triple glazed insulating glass units | Exterior pressure glazed system

2500 PG Unitwall™

A high-performance unitized curtain wall system

Available in stock length, fabricated or pre-assembled and glazed units | Unitized construction accelerates installation | Available systems include 4-sided captured, vertical and horizontal SSG (Structural Silicone Glazed) or 4-sided SSG | 2-1/2" x 7-1/2" profile | Suitable for new construction or remodel | Fully tested including thermal and acoustic | Dual finish capabilities

1600 L-R (Low-Rise) Wall®

Economical stock length system for low-rise applications

Outside glazed pressure plate system available in captured or two-sided vertical SSG option | Standard 5-3/4" or 7-1/4" depth systems | Accepts either 1/8", 1/4" or 1" infills | Shear block construction utilizing concealed fasteners

2250 L-R (Low-Rise) Wall

The economical system designed for low-rise applications

2250 L-R has a 2-1/4" sightline

2500 L-R has a 2-1/2" sightline

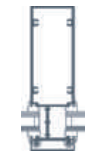
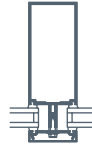
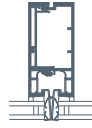
Economical stick system with no compromise performance

| Utilizes a polymer thermal clip, allowing for easier installation and labor savings | Concealed fastener joinery for an unbroken appearance | Accepts either 1/4" or 1" infills | Design flexibility allows a structural silicone glazed option | Mullion drained design

2250 IG (Inside Glazed)

An economical, inside glazed ribbon window/curtain wall system

Narrow 2-1/4" profile | Offered in 4-1/2", 6" and 7-1/2" system depths | Shear block and screw spline construction for easy fabrication | Structural silicone glazed option | Allows two-color design options | Thermally improved



Finishes

Anodized Finishes

Long-lasting, protective coatings resist abrasion, corrosion, UV rays and meet or exceed AAMA 611

Architectural Metals

Light Satin is a Class I finish with a chrome-like brightness and light brushed texture | Available on a variety of products

Clear Finishes

Available in Class I (#14 Clear)

Permanodic® Finishes

Available in Color Anodized Class I (#40 Dark Bronze, #29 Black, #28 Medium Bronze, #26 Light Bronze and #18 Champagne)

Painted Finishes

Fluoropolymer Coatings – Enduring color with high performance and durability

Available in many standard choices and unlimited custom colors | These include Permafluor™ and Permadize® finishes, which meet or exceed AAMA 2604 or AAMA 2605

Powder Coatings – Create a "green" element with solvent-free high performance, durability and scratch resistance

Available in 23 standard colors | Powder Coatings meet or exceed AAMA 2604 or 2605

Notice

Laws and Building and Safety Codes governing the design and use of windows, glazed entrance, framing, curtain wall and overhead glazing products vary widely. Kawneer does not control the selection of product configuration, operating hardware or glazing materials, and assumes no responsibility thereof.

Information contained in this catalog is subject to change without notice.

Kawneer Original Designs and Structures are fully protected by U.S. Patents and Patents Pending.

Other Products from Kawneer

Entrances & Framing 08 41 00/KAW; Windows 08 51 00/KAW in Sweet's.

For More Information

Visit our website at Kawneer.com for more detailed information, including the most current Guide Specifications, CAD libraries and BIM product models.

Overhead Glazing

1600 S.G. (Sloped Glazing) and 2000 Skylight

Curtain wall performance in overhead glazing systems

Stick system – fully factory fabricated | Silicone glazed or captured Purlin options | Flush grid exterior has a 2-1/2" sightline | Various mullion depths to meet wind and snow loads | Handles hip and valley rafter applications

Cover photo:

1600 Wall System®1, 7500 Wall®, 560 Insulclad® Thermal Entrances, 8225TL IsoLock® Windows and 2000T Terrace Doors

Medical Information Technology, Inc. –

MEDITECH Southcoast, Fall River, Massachusetts

Architect: Payette, Boston, Massachusetts

Glazing Contractor: Tower Glass Company

Woburn, Massachusetts

Advanced Facade Engineering Fabricator: Erie

Architectural Products, Inc., Blenheim, Ontario, Canada



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