CURTAIN WALL &
OVERHEAD GLAZING

KAWNEER
AN ALCOA COMPANY

kawneer.com

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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.

1600 SS™ (Screw Spline) Curtain Wall (custom), 360 Insulclad® Doors
Ryerson Image Centre and the School of Image Arts
Architects: Diamond Schmitt Architects Inc., Toronto, Ontario, Canada
Glazing Contractor: Stouffville Glass Inc., Stouffville, Ontario, Canada
Photography: © Arthur Kendrick

1600 Wall System®1 (Impact Resistant), 350 IR Doors
LECOM School of Dental Medicine, Bradenton, Florida
Architect: FAWLEY|BRYANT, Sarasota, Florida
Glazing Contractor: Key Glass LLC, Bradenton, Florida
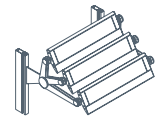**Photography:** © Mark Borosch Photography

Advanced Façades, Dual Custom Unitized Curtain Wall, Custom Vents (chain actuated by building operating system and power button), 360 Insulclad® Doors
Loyola University Chicago Marcella Niehoff School of Nursing, Maywood, Illinois
Architect: Solomon Cordwell Buenz, Chicago, Illinois
Glazing Contractor: Mid-States Glass and Metal, Morton Grove, Illinois
Photography: © FotoGraphix – Viken Djaferian

HURRICANE RESISTANT AND BLAST MITIGATION PRODUCTS

Kawneer offers single-source responsibility with a comprehensive group of independently tested hurricane resistant and blast mitigation products. Many hurricane resistant products have received Notices of Acceptance (NOAs) issued by Miami-Dade County BCCO and Florida State Approvals. Blast mitigation products meet requirements of the General Services Administration (GSA), Interagency Security Committee (ISC) and Department of Defense (DoD). For more information, visit Kawneer.com.
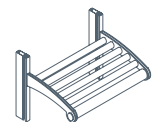
Custom Curtain Wall
Selected for the world's most recognized buildings
Engineering and design expertise I Established leadership in major applications around the world
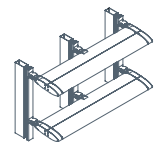
1600 PowerShade®
Provides a single-source solution and optimal shade while generating solar power and reducing energy use
Pre-engineered sunshade system effectively reduces solar heat gain I Dual-position pivot system provides optimal angle and extension for shading any location I Can be directly connected to 1600 Wall System®1
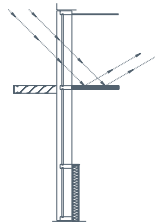
Versoleil™ SunShade – Outrigger System
An economical, pre-engineered and integrated sunshade with mix-and-match design choices
Standardized design compatible with 1600 Wall System®1, 1600 Wall System®2, 1600UT System™1, 1600 Wall System®5 and 1600 SS™ I Shades interiors and conserves energy with 30" and 36" projection options I Provides a single-source solution I Outriggers, fascia caps and louvers are available in several shapes

Versoleil™ SunShade – Single Blade System
Shades of versatility in form and function
Standardized solution for seamless integration with 1600 Wall System®1, 1600 Wall System®2, 1600 Wall System®5, 1600 SS™ and 1600 SS™ SSG curtain wall systems I Highly versatile design allows for blades to be mounted in horizontal or vertical configurations I Innovative mounting design allows for multiple angles in both horizontal and vertical configurations I Multiple blade sizes ranging from 6" to 14" deep

InLighten® Light Shelf
Reduces the need for artificial lighting by passively channeling natural daylight into an occupied space
Leverages minimal material content, sightlines, weight, installation and maintenance efforts, all while maximizing value, daylighting and design options I Light shelf features an extruded aluminum chassis system with several panel choices I Tilt feature for easy cleaning of the top reflective panel surface I Availability of depths of up to 30" allows for maximizing the overall reflective surface area

1600 PowerWall® and 1600 PowerSlope®
Combines 1600 Wall System®1 and 1600 Sloped Glazing and photovoltaic (PV) panels that convert light energy from the sun directly into electricity without using fossil fuels
Fully compatible with 1600 Wall System®1 and 1600 Sloped Glazing for vertical and sloped glazed applications

1600 Wall System®1 and 1600 Wall System®2
Reliable curtain wall systems with versatile features
Pressure equalized systems for low- to mid-rise applications
System1 – outside glazed, captured system
System2 – outside glazed, structural silicone glazed system
Concealed fastener joinery creates a smooth, monolithic appearance I Continuous thermal separator reduces heat gain and loss I Large- and small-missile impact tested I Blast tested to ASTM F 1642 standards
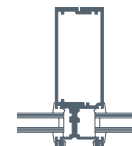
1600UT (Ultra Thermal) System™1 and 1600UT System™2
Ultra-innovative solution raises standards for thermal performance
System1 – outside glazed, captured system
System2 – outside glazed, structural silicone glazed system
Built on the success of the flagship 1600 curtain wall platform, the 1600UT System™ delivers high thermal performance, versatility, reliability and value I Ideal for low- to mid-rise commercial applications where high thermal performing façades are needed I Accepts double or triple glazing

1600 Wall System®3 and 1600 Wall System®4
Inside/outside glazed curtain wall system
System3 has a 2-1/2" profile
System4 has a 2-1/4" profile
Incorporates IsoStrut® Thermal Break for superior structural and thermal performance I Allows for a structural silicone glazing option I Integral exterior cover and thermal isolator reduce installed cost I Inside glazing reduces installation costs I Outside glazing option for spandrel re-glazing

1600 Wall System®5
An inside glazed curtain wall/ribbon window system
2-1/2" profile I Offered in 7-1/2" system depth and optional 6" system depth I Shear block construction for fabrication versatility I Structural silicone glazed option I Optional split mullion design with screw spline construction for ease of installation and fabrication I Allows two-color design options
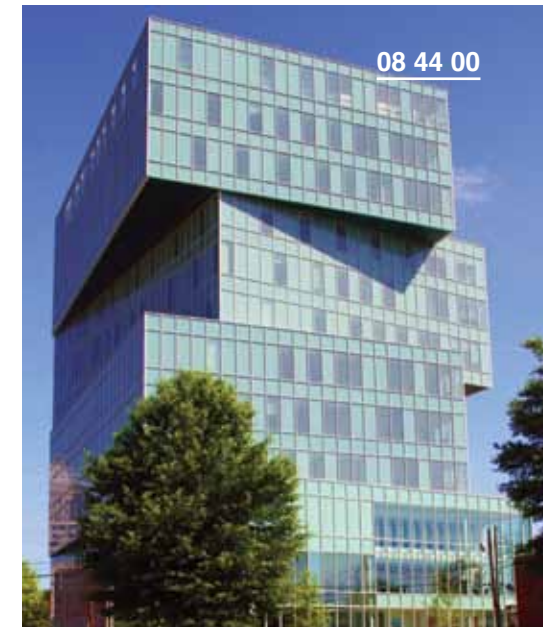
1600 SS™ (Screw Spline) Curtain Wall / 1600 SS Unitwall™ (Pre-glazed option)
Shop assembled for faster field installation
Outside glazed captured or SSG curtain wall I Concealed screw spline joinery allows for shop assembly I Unique interlocking mullion design eliminates the need for anti-buckling clips I System depths and sightline match 1600 Wall System®1 and System®2 I 1600 SS Unitwall™ allows units to be pre-glazed in the shop I 1600 SS™ blast tested per ASTM F 1642 and GSA-TS01-03 standards

Clearwall™ Curtain Wall
Achieves an all-glass monolithic aesthetic in a field glazed, screw spline application
Innovative toggle assembly captures glass, eliminating field application of structural silicone I Six glazing options use the toggle-based glass retention system I No structural silicone required for Clearwall™ SS/SB glazing options, which use the toggle to directly capture recessed spacer glass I Other glazing options use a metal interface attached to standard 1" insulating glass I Screw spline joinery method allows shop assembly of ladder sections, reducing field labor I Deeper mullions with shear block joinery allow for higher free span applications
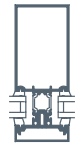
1600 Wall System®3
UNC Charlotte Center City Building, Charlotte, North Carolina
Seeking LEED®* Silver certified
Architect: Gantt Huberman Architects, Charlotte, North Carolina
Glazing Contractor: SPS Corporation, Apex, North Carolina
Photography: © Progress Photo

1600 Wall System®1, 1600 Wall System®2, Trifab® VG (VersaGlaze®) 451T Framing, Trifab® VG (VersaGlaze®) 450 Framing, 350 Medium Stile Doors, 1600 SunShade® (custom), Alcoa – Reynobond® ACM (Aluminum Composite Material) Panels
Georgia Gwinnett College Library and Learning Center, Lawrenceville, Georgia
LEED®* Gold certified
Architect: LEO A DALY, Atlanta, Georgia
Glazing Contractor: Glass Systems, Inc., Lithonia, Georgia
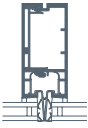**Photography:** © Creative Sources Photography / Rion Rizzo

Clearwall™ Curtain Wall
Port of Nanaimo Cruise Ship Terminal, Nanaimo, British Columbia, Canada
Architects: David Poiron Architect Inc., Nanaimo, British Columbia, Canada
Ben Checkwitch Design, Salt Spring Island, British Columbia, Canada
Glazing Contractor: b3 Glass Ltd, Burnaby, British Columbia, Canada
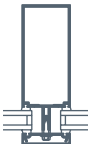**Photography:** Courtesy Nanaimo Port Authority

7500 Wall®
Exceptional thermal performance and resistance to condensation
Incorporates high-performance IsoWeb® Thermal Break **|** Accomodates 1" double-glazed or 2" triple-glazed insulating glass units **|** Exterior pressure glazed system
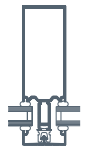
2500 PG Unitwall™
A high-performance unitized curtain wall system
Available in stock length, fabricated or pre-assembled and glazed units **|** Unitized construction accelerates installation **|** Available systems include 4-sided captured, vertical and horizontal SSG (Structural Silicone Glazed) or 4-sided SSG **|** 2-1/2" x 7-1/2" profile **|** Suitable for new construction or remodel **|** Dual finish capabilities
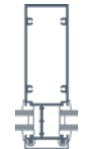
1600 L-R (Low-Rise) Wall®
Economical stock length system for low-rise applications
Outside glazed pressure plate system available in captured or two-sided vertical SSG option **|** Standard 5-3/4" or 7-1/4" system depths **|** Shear block construction utilizing concealed fasteners

2250 L-R (Low-Rise) Wall
The economical system designed for low-rise applications
Economical stick system with no-compromise performance **|** Utilizes a polymer thermal clip, allowing for easier installation and labor savings **|** 2-1/4" sightline **|** 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

OVERHEAD GLAZING

1600 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

FINISHES

ANODIZED FINISHES
Long-lasting, protective coatings resist abrasion, corrosion and 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

Permanodic® Clear Finishes
Available in Anodized Class I (#14) or Class II (#17)

Permanodic® Color Finishes
Available in clear (Class I and Class II) and color (Class I) choices, including champagne, black, light bronze, medium bronze and dark bronze

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
Permacoat™ finishes available in 24 standard colors **|** Powder coatings meet or exceed AAMA 2604

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.

OTHER PRODUCTS FROM KAWNEER
Entrances & Framing 08 41 00; Windows 08 51 00

FOR MORE INFORMATION
Visit Kawneer.com for more detailed information, including the most current Guide Specifications, CAD libraries and BIM product models.

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