NX-3500 Windows, NX-3100 Windows, NX-3800 Windows, NX-8900 Terrace Doors, curtain wall, framing and entrances on lower floors

The Pearl, Silver Spring, Maryland
Architect: Design Collective, Baltimore, Maryland
Photography: © Bob Perzel
Kaunzer offers a comprehensive line of architectural aluminum building products and systems for commercial construction – entrances, framing systems, windows and curtain wall systems.

Over the years, Kaunzer has built a reputation for producing windows that meet the highest quality standards. Today, we continue that tradition with a portfolio of easy-to-maintain window products that demonstrate the superior durability and performance that can only come from more than a century of expertise. Our thermal windows are manufactured with long-lasting finishes and durable hardware to help architects and builders achieve their design objectives.

HURRICANE RESISTANT AND BLAST MITIGATION PRODUCTS

Kaunzer 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 (NOA) 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 Kaunzer.com.

Windows

HUNG AND SLIDING WINDOWS

Our extensive portfolio of hung and sliding window products offers solutions for any building project, whether for new or retrofit applications. Our windows come in a variety of depths and options, and have been tested in accordance with AAMA/SDMA/CSA 1015-1.2/2.4 (AAMA/SDMA) and blast mitigation designations. We offer single hung and double hung windows with both right and side load sash removal and a variety of horizontal sliding windows.

Single hung window: Only the bottom operating sash moves up and down within the master frame. The top of the window is either fixed glass or fixed sash. The weight of the operating sash is counterbalanced to permit easy operation.

Double hung window: Both operating sashes move up and down within the master frame. The weight of each operating sash is counterbalanced to permit easy operation.

Side load (hung window): The sash is removed by extending the jamb balance clips, raising the sash to full window height, supporting the sash weight and moving the sash to one side to remove it from the master frame.

Tilt (hung window): The lower sash is removed by raising the sash 4”, disengaging the tilt release while supporting the weight of the sash, and releasing the sash pivot bars to remove the sash from the master frame. Top sash removal is similar.

Horizontal sliding window: The operating sash slides sideways within the master frame. Each operating sash has glides or rollers to permit easy operation.

AA™5450 THERMAL WINDOWS | 4-5/8" FRAME DEPTH - SIDE LOAD

The industry’s smartest window sets the standard for thermal performance.


TR-9100/9700 SERIES THERMAL WINDOWS | 3-3/4" FRAME DEPTH - SIDE LOAD

Architectural grade single hung window


B40TL, THERMAL WINDOWS | 4’ FRAME DEPTH - SIDE LOAD

For remodel, historic restoration or new construction requiring thermal performance, aesthetic appeal and enough choice to appear custom square or bifold glass stops.

Class 5 balance | Single and double hung, H-AW-70 horizontal single and double slide, HS-AW-70 fixed, AW-PG100-FW

PROJECTED AND CASEMENT WINDOWS

Our comprehensive offering of projected and casement windows provides solutions for any building project, whether new or retrofit applications.

Our windows come in a variety of depths and other options, and have been tested in accordance with AAMA/SDMA/CSA 1015-1.2/2.4 (AAMA/SDMA) and blast mitigation designations. We offer a flash appearance and overlapping vents to suit the needs of any building type or requirement.

Projected window: The operating vent moves out (project out or awning) or in (project in) from the master frame. The vent is hinged on the horizontal axis to permit easy operation.

Casement window: Operating vents move out (casement outswing) or in (casement inswing) from the master frame. Each vent is hinged on the vertical axis to permit easy operation.

Tilt-tum or dual action window: The operating vent tilts in from the top for ventilation and swings in from the side for glass cleaning.

AA™4235 SERIES – OPTIQ™ ULTRA THERMAL WINDOWS | 2-3/4" FRAME DEPTH

Built-in thermal intelligence makes it one of the industry’s smartest windows.

Oversized inswing and outswing casements, AW-PG50-C | Oversize projected window and projected out, AW-PG50-P | Fixed, AW-PG50-F

NX-300 THERMAL SERIES WINDOWS | 3-1/4" FRAME DEPTH

Innovation, preservation and performance for historic results.


AA™3425 SERIES – OPTIQ™ ULTRA THERMAL WINDOWS | 2-3/4" FRAME DEPTH

The comfort of thermal performance and condensation resistance in a masterful design.

5" (105.4 mm), 3" (79.4 mm) or 3-7/8" (98.4 mm) depth (CW) | Architectural grade (AW only), AW-PG90 | High thermal performance | Fixed ribbon window wall application | Available as casement or projecting window options

NX-3500 SERIES THERMAL WINDOWS | 3-1/4" FRAME DEPTH

Best-in-class thermal performance for project out casement windows.

Casement or projecting | AAMA architectural grade ratings up to AW-PG90 | 75° frame depth (5500); 5" frame depth (8225TLF); 3-1/2" frame depth (7225) | High thermal performance (AW-PG50-C) | Fixed ribbon window wall application | Available as casement or projecting window options

SS50 SERIES THERMAL WINDOWS

Delivering thermal performance, economy and ease of installation.

Accommodates projected and casement ventilators | 3-1/4" frame depth (SS50); 5" frame depth (SS52) | Flush appearance with extreme frontplate of glass | Vented rain screen design | Interfaces with building vapor barrier to ensure the continuity of the seal at the window perimeter

516/518 SERIES THERMAL WINDOWS

For high performance in a thermally broken overlap design window system.

Oversized inswing and outswing casement, AW-PG50-C | Project in and project out, AW-PG50-P | Fixed, AW-PG50-AW | 1725 series non-thermal version available

8225TL THERMAL WINDOWS | 2-1/4" FRAME DEPTH

For high performance in a thermally broken flush design window system.

Oversized inswing and outswing casement, AW-PG50-C | Project in and project out, AW-PG50-P | Fixed, AW-PG50-AW

Blast mitigation (AW only), hurricane resistance (AW only)
Windows

Kawneer offers a comprehensive line of architectural aluminum building products and systems for commercial construction – entrances, framing systems, windows, and curtain wall systems.

Over the years, Kawneer has built a reputation for producing windows that meet the highest quality standards. Today, we continue that tradition with a portfolio of easy-to-maintain window products that demonstrate the superior durability and performance that can only come from more than a century of expertise.

**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 (NOA) issued by Miami-Dade County BCCD 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.

**HUNG AND SLIDING WINDOWS**

Our extensive portfolio of hung and sliding window options offers solutions for any building project, whether for new or retrofit applications. Our windows come in a variety of depths and options, and have been tested in accordance with AAMA/SDMA/CWA 1015.1.204/AAMA (NATP) designations. We offer single hung and double hung windows with both side and load shed-sash removal and a variety of horizontal sliding windows.

- **Single hung window:** Only the bottom operating sash moves up and down within the master frame. The weight of the operating sash is counterbalanced to permit easy operation.
- **Double hung window:** Both operating sashes move up and down within the master frame. The weight of each operating sash is counterbalanced to permit easy operation.
- **Side load (hung window):** The sash is removed by extending the jam balance clips, raising the sash to full window height, supporting the sash weight, and moving the sash to one side to remove it from the master frame.
- **Tilt (hung window):** The lower sash is removed by raising the sash 4", disengaging the tilt release while supporting the weight of the sash and releasing the pivot bar to remove the sash from the master frame. Top sash removal is similar.

**Horizontal sliding window:** The operating sash slides sideways within the master frame. Each operating sash has rollers or wheels to permit easy operation.

- **AA4548 THERMAL WINDOWS | 4-5/8" FRAME DEPTH – SIDE LOAD**
  - The industry’s smartest window sets the standard for thermal performance
  - Single and double hung, AW-PGS6-H Fixed, AW-PG50-FW
  - Single and double slide, XD/XX/OXD configuration, AW-PGD5-FX, XX configuration AW-PGD5-HS

- **TR-9100/9700 SERIES THERMAL WINDOWS | 3-1/2" FRAME DEPTH – SIDE LOAD**
  - Architectural grade single hung window
  - TR-9100 single hung, AW-PG30-H Fixed, AW-PG100-FW

- **B440TL THERMAL WINDOWS | 4" FRAME DEPTH – SIDE LOAD**
  - For remodel, historical restoration or new construction requiring thermal performance, aesthetic appeal and enough choice to appear custom
  - Square or bevel glass stops
  - Class 5 balance

**PROJECTED AND CASEMENT WINDOWS**

Our comprehensive offering of projected and casement windows provides solutions for any building project, whether for new or retrofit applications. Our windows come in a variety of depths and options, and have been tested in accordance with AAMA/SDMA/CWA 1015.1.204/AAMA (NATP) designations. We offer a flash appearance and overlapping vents to suit the needs of any building type or requirement.

- **Projected window:** The operating vent moves out (project out or swinging) or in (project in) or hopped from the master frame. The vent is hinged on the horizontal axis to permit easy operation.
  - **Cassement window:** Operating vents move out (casement outswing) or in (casement inswing) from the master frame. Each vent is hinged on the vertical axis to permit easy operation.

**AA4532 SERIES – OPTICO™ ULTRA THERMAL WINDOWS | 2-1/4" FRAME DEPTH**

Built-in thermal intelligence makes it one of the industry’s smartest windows Overlap inswing and casement awns, AW-PG80-C | Overlap project in and project out, AW-PG80-AP | Fixed, AW-PG80-FP

**NX-500 SERIES THERMAL WINDOWS | 3-1/4" FRAME DEPTH**

- Innovation, preservation and performance for historic results
- Overlap awning window as casement outswing, project out and fixed configurations
- Minimal sightlines for historic replication needs
- Putty-glazed, beveled-sash window lock
- AAMA architectural grade ratings up to AW-PG90 on most common configurations
- Configuration are available to suit most applications – puncture openings, vertical or horizontal stacks, structural Mullions for larger unit configurations
- Options for anchoring methods, head and jamb receptors, sub sills and panning types

- **NX-3500 SERIES THERMAL WINDOWS | 3-1/4" FRAME DEPTH**
  - Thermal performance merges with adaptable design to offer more choices
  - Available in overlap, casement, fixed and tilt and turn configurations
  - NX-3100 outswing casement and NX-3200 inswing casement, AW-PG80-C
  - NX-3400 project in and NX-3500 project out, AW-PG80-AP | NX-3300 Fixed
  - NX-3700 tilt-turn, DA-W AW50

**8225TL THERMAL WINDOWS | 2-1/4" FRAME DEPTH**

- For high performance in a thermally broken overlap design window system
- Outswing casement, AW-PG80-C | Project in and project out, AW-PG80-AP

RIBBON WINDOWS

AA46100/8020/8010 THERMAL WINDOWS
The comfort of thermal performance and condensation resistance in a masters design
- 4" (102.4 mm), 5" (127 mm) or 6" (152.4 mm) depth
- Architectural window (AW)
- High thermal performance
- Fixed ribbon window wall application
- Available as casement or projecting window option

**5500 SERIES THERMAL WINDOWS**

- Highest thermal performance for punched openings and ribbon windows
- Accommodates projected and casement ventilators
- 4" frame depth (5520), 5" frame depth (5515)
- Flash appearance with extreme frontal placement of glass
- Vented rain screen design
- Interfaces with building vapor barrier to ensure the continuity of the seal at the window perimeter

**516/518 SERIES THERMAL WINDOWS**

- Delivering thermal performance, economy and ease of installation
- Accommodates 526 series bi-foil™ ventilators
- 4" frame depth and front placement of glass on the 518 thermal window
- “Top hat” feature provides a deeper frame for thicker wall construction, greater structural capability and instant glazing on the 518 thermal window
- Rain screen option

**GLASSVENT™ WINDOWS**

- Windows for curtain wall shown in 1608 Wall Systems
- Atlanta Botanical Gardens – Allen and Gail Hardin Visitors Center, Atlanta, Georgia
- Architect: Jacobs/Smith/Blauker
- Atlanta, Georgia
- Photography: © Callier Photography
Kawneer window walls offer the look of a curtain wall in a slab-to-slab system for dramatic floor-to-ceiling views. Our window walls offer a range of aesthetic options including integrated slab edge covers. Additionally, balcony doors and operable windows can be integrated into our window wall systems.

METROVIEW™ FG 501T WINDOW WALL
Urban elegance with an economical point of view
2-1/4” sightline with standard 5” system depth | Ideal for mid-rise commercial projects and multi-family housing where high thermal performance is required

METROVIEW™ FG 601T PG WINDOW WALL
Economy and performance with an urban view
Sleek, modern lines lend a sophisticated metropolitan appearance to projects | Value-priced window wall, with flexible options and configurations that accommodate Kawneer balcony doors and window products to maximize views | Flush slab edge option and slab edge covers allow for a seamless transition between floors | 2-1/4” sightline with standard 6” system depth | Ideal for urban mixed-use buildings including mid- to high-rise commercial projects

PG 123™ FRAMING
Fixed ribbon window system with pre-glaze capability
2-1/4” x 6” frame members accept 1” infill with 1/4” adaptors for spandrel applications | Structural silicone glazing option

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 Permaflor™ 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
Curtain Walls & Overhead Glazing 08 44 00; Entrances & Framing 08 41 00

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