Trifab™ 451 Framing System, 500 Wide Stile Entrances
with 10" Bottom Rails (interior application shown)
North American corporate headquarters of Saint-Gobain and CertainTeed, Malvern, Pennsylvania
Architects: Bernardon, Kennett Square, Pennsylvania
and Jacobs, Philadelphia, Pennsylvania
Photography: © Jeffrey Totaro
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 built a reputation for producing entrances and framing systems that meet the highest quality standards. Today, we continue that tradition with a dynamic portfolio of solutions that demonstrate the superior innovation, durability and performance that can only come from more than a century of expertise. Our high performance testing entrances and framing systems incorporate groundbreaking testing technology and are manufactured with lasting finishes and durable hardware to help architects and building owners achieve their design objectives.

SAFETY AND PROTECTION

Many of our storefront systems, doors and windows are stringently tested for impact resistance for both large and small missile impact, and blast-tested to ASTM standards. All hurricane-resistant products have received Florida Product Approval and many have been approved for use in the High Velocity Hurricane Zone (HVHZ) of Miami-Dade and Broward counties and have Product Evaluation Reports from the Texas Department of Insurance (TDI). Blast mitigation products meet requirements of the General Services Administration (GSA), Interagency Security Committee (ISC) and Department of Defense (DoD). Kawneer entrances include options such as hardware, door controls and threshold heights that satisfy the guidelines of the Americans with Disabilities Act (ADA). Kawneer’s welded corner construction is easily configured to meet ADA traffic control guidelines and state and local building accessibility codes.

SUSTAINABLE BUILDING CERTIFICATION

Our sustainable products can help contribute to Leadership in Energy and Environmental Design (LEED) points across several categories, assisting in achieving certification, and promoting integrated, whole-building design practices. LEED®-certified projects have demonstrated a 30% to 50% reduction in energy use, which lowers operational costs and allows savings throughout the life cycle of the building.

KAWNEER’S LIMITED LIFETIME WIDDEN DOOR CORNER WARRANTY

Every door with welded corner joins is covered by a limited lifetime warranty, including 190/350/500 Standard Entrances, 350/500 Heavy Wall™ Entrances, 350/500 Trifab™ VG Entrances, Flash™ Entrances, InsuPour™ 250T/350T/500T Thermal Entrances and 350/500/650 InsuPour™ Thermal Entrances. The corner primed lifetime warranty is good for the life of the door under normal operation. The limited lifetime warranty is transferable from building owner to building owner and is in addition to the standard two-year warranty covering each Kawneer door.

190/350/500 STANDARD ENTRANCES

A single-source, easily adaptable package of door, frame and hardware. Our 190/350/500 Standard Entrances have been designed for accessibility, durability, flexibility and continuous use. These entrance systems can be fabricated with a myriad of hardware options to meet the most stringent design requirements.

190 Narrow Stile: engineered for moderate traffic – 2-1/4” vertical stiles and top rail and 3-7/8” bottom rail

350 Medium Stile: provides extra strength for high traffic – 6-1/2” top rail and 3-1/2” bottom rail

500 Wide Stile: monumental visual statement for heaviest traffic – 3-1/2” vertical stiles and top rail with 6-1/2” bottom rail

All these entrances feature welded corner construction with sigma deep penetration and welds, plus corner mechanical fastenings. Door operation is single/double acting with maximum security locks or exit/return devices. Architect’s Classic 1-3/4” round bent bar push/pull hardware in various finishes and hardware finishes and durable hardware to help architects and building owners achieve their design objectives.

INSUPOUR™ 250T/350T/500T THERMAL ENTRANCES

InsuPour™ Thermal Entrances, featuring InsuPour™ thermal break technology, are available in narrow, medium and wide stiles. Designed to accommodate a myriad of hardware options to provide the most design flexibility. InsuPour™ Entrances are tested for hurricane impact and blast applications, thus providing a true measure for the most stringent application situations.

250T: 2-1/2” vertical stiles and top rail with 3-3/8” bottom rail

350T/350T: 2-1/2” vertical stiles and top rail with 3-5/8” bottom rail

500T: 2-1/2” vertical stiles and top rail with 3-1/2” bottom rail

AA™/AAS™ THERMAL ENTRANCES

Narrow and wide stile entrances designed to provide thermal performance to meet the most stringent requirements of the IECC and ASHRAE 90.1 standards.

AA250: 2-3/8” vertical stiles and top rail with 3-3/8” bottom rail

AA425: 4-1/4” vertical stiles and top rail with 6-1/2” bottom rail

Thermal breaks in the door, door frame and threshold isolate the interior metal components from the exterior metal components. Door rail and stile design with a double air cavity provides an added layer to the thermal barrier. Dual weathering around the perimeter of the door in conjunction with a low conductance polymer door stop minimizes air infiltration. Entrance is a single acting and mounted on offset pivot. Both hinges or continuous or swing hinges. Accepts 1” glazing sill. Optional 10” bottom rail.

260/360/560 THERMAL ENTRANCES

Flushline™ Entrances, Insulpour™ 250T/350T/500T Thermal Entrances, featuring InsuPour™ thermal break technology, are available in narrow, medium and wide stile entrances designed to provide for accessibly, durability, flexibility and continuous use. These entrance systems can be fabricated with a myriad of hardware options to meet the most stringent design requirements.

Narrow and wide stile entrances designed to provide for accessibly, durability, flexibility and continuous use. These entrance systems can be fabricated with a myriad of hardware options to meet the most stringent design requirements.

Incorporates Kawneer’s standard welded corner construction. Blast tested per ASTM F 1642. InsuPour™ is Kawneer’s welded corner construction weds both the lever arm and torsion forces all doors experience. InsuPour™ is certified to NFRC thermal standards.

2000T TERRACE DOORS

Designed for high traffic applications such as schools, universities and office buildings. Available in medium and wide stiles, these doors provide quality and durability that lasts. Door frame has 5/16” walls throughout for added durability and strength. Door is 2” deep. Vertical stiles and top rail 3-1/2” and bottom rail 6-1/2”. Accepts glazing sills from 1/4” to 1”. Incorporates Kawneer’s standard welded corner construction. Blast tested per ASTM F 1642.

250/350 TUFFLINE™ ENTRANCES


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Entrances & Framing

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 built a reputation for producing entrances and framing systems that meet the highest quality standards. Today, we continue that tradition with a dynamic portfolio of solutions that demonstrate the superior innovation, durability and performance that can only come from more than a century of expertise. Our high performance entrances and framing systems incorporate groundbreaking technology and are manufactured with lasting finishes and durable hardware to help architects and builders achieve their design objectives.

SAFETY AND PROTECTION

Many of our storefront systems, doors and windows are stringently tested for impact resistance for both large and small missile impact, and blast-tested to ASTM standards. All hurricane-resistant products have received Florida Product Approval and many have been approved for use in the High Velocity Hurricane Zone (HVHZ) of Miami-Dade and Broward counties and have Product Evaluation Reports from the Texas Department of Insurance (TDI). Blast mitigation products meet requirements of the General Services Administration (GSA), Interagency Security Committee (ISC) and Department of Defense (DoD). Kawneer entrances include options such as hardware, door controls and threshold heights that satisfy the guidelines of the Americans with Disabilities Act (ADA). Our rigid, energy-efficient, high-performance façades are vital for indoor temperature access codes. Security Committee (ISC) and Department of Defense (DoD). Kawneer entrances impact resistance for both large and small missile impact, and blast-tested to SAFETY AND PROTECTION.

SUSTAINABLE BUILDING CERTIFICATION

Our sustainable products can help contribute to Leadership in Energy and Occupant Comfort.

Energy-efficient, high-performance façades are vital for indoor temperature access codes. Security Committee (ISC) and Department of Defense (DoD). Kawneer entrances impact resistance for both large and small missile impact, and blast-tested to SAFETY AND PROTECTION.

SUSTAINABLE BUILDING CERTIFICATION

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SUSTAINABLE BUILDING CERTIFICATION

Our sustainable products can help contribute to Leadership in Energy and Environmental Design (LEED®) points across several categories, assisting in achieving certification, and promoting integrated, whole-building design practices.

LEED®-certified projects have demonstrated a 30% to 50% reduction in energy use, which lowers operational costs and allows savings throughout the life cycle of the building.

SAFETY AND PROTECTION

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FLUSHLINE™ ENTRANCES

Single-acting entrances provide durability with design flexibility for applications such as schools and manufacturing facilities and applications where hurricane impact and blast protection are required.

Features a flush appearance with a face sheet of fiberglass-reinforced polyester (FRP) or aluminum in a variety of colors and captured on four sides by integral, extruded reglets. Height range from less than 7’ to a maximum of 10’. Widths vary from approximately 3’ to 4’. Additional strength is achieved by the urethane foam core that intersects with the aluminum and creates an extremely stable, durable entrance door. Paneline™ Exit Device with minimal 1-5/8’ projection is available. Door vision lites are available in aluminum frames with 1/4” or 1” infill. Tested to NFRC thermal standards. 5 lb. per cubic foot poured-in-place closed-cell rigid urethane foam core meets ASTM E84 rating with 450 smoke density and 450 flame spread. Tested for both large and small missile impact for windborne debris and blast mitigation.

HEMPH™ Sliding Doors

For single- and multi-track interior applications. Available with both fixed and operable panels. HPS™ Sliding Door has a low-profile multi-track that can be recessed or surface applied. Interior applications only. Accepts infills from 1/4” to 1”. 1040 Sliding Mall Front is a single-track unit with three stacking options: parallel staggered, parallel even and 90˚. Accepts 1/4” infills.

AA™/3200M THERMAL SLIDING DOORS

A door for all seasons. The AA™/3200M Thermal Sliding Door delivers superior thermal performance at a great price for any type of setting, weather conditions or building type. 3-3/4” sightline at fixed pane | 3-3/4” sightline at sliding panel and interlock | 1” depth. Dual color finish capabilities. A high thermal performance SoftPour™ Thermal Break Technology. Tested per NFPA, AAMA/WDMA/CSA 1015/S0/A-440 | Thermal tested per CAN/CSA A-440, AAMA 1503 and NFRC 100.

AA™/3200 THERMAL SLIDING DOORS

A high-performance sliding door that meets thermal, coastal and impact resistant requirements. Available in both high-performance (HP) and impact resistant (IR) versions. An IsoWeb™ thermal break meets current energy codes and allows a dual finish. Accommodates 1” insulating and 1-5/16” insulating/laminated glass for improved thermal, acoustic and impact performance. Large wheel, stainless steel tandem rollers with precision ground sealed bearings provides smoother operation even on large heavy panels. Corrosion-resistant stainless steel locks and latches | 2-1/4” standard sill provides an aesthetically pleasing smaller sightline. Slab-to-slab operable panels can span up to 10’ tall. Unique beveled profiles creates architectural shadow lines, allowing commercial products to receive mid- to high-rise residential acceptances. Multiple configurations: CRK, RO, DOXO, DROKO. Tested to NFRC thermal standards.

HPS™ and HPS MONUMENTAL SLIDING DOORS

High performance designed to meet extreme conditions. HPS™ and HPS Monumental Sliding Doors have hurricane impact and cycle tested. HPS Sliding Doors are available in four different performance ranges for low- and medium-rise applications. Tested for Performance Class and Grade HC60, HC80, HC100 and HC120. Small-missile impact and cycle tested. HPS Sliding Doors are designed for high-rise coastal applications requiring greater wind load and superior water performance. Tested for Performance Class and Grade HC160. Large- and small-missile impact and cycle tested.

HPS™ Monumental Sliding Doors (modified)

Features an adjustable steel ball bearing, tandem roller assembly to assure trouble-free, smooth operation and positive weather seals on all sides. The manual sliding 990 Sliding Doors are a complete system of door, door frame and hardware, available in four configurations. Stile face width is 2-1/2” (63.5 mm) and the door accepts infills from 3-1/2” to 1”. (4.8 mm to 25.4 mm) Wherein water infiltration at 10 PSF and meets or exceeds all criteria established by AAMA for ratings of C30, HC40 and HC60.
**Entrances & Framing**

**Flushline™ Entrances**
Single-acting entrances provide durability with design flexibility for applications such as schools and manufacturing facilities and applications where hurricane impact and blast protection are required.

Offers a flush appearance with a face sheet of fiberglass-reinforced polyester (FRP) or aluminum in a variety of colors and captured on four sides by integral, extruded rails. Heights range from less than 7' to a maximum of 10'. Widths vary from approximately 2' to 4'. Additional strength is achieved by the urethane foam core that interlocks with the aluminum and creates an extremely stable, durable entrance door. Paneline™ Exit Devices have been large-missile hurricane impact and cycle tested.

Pressure on the push panel quickly releases the door for emergency egress. Offers improved safety since Paneline™ cannot be-channeled or blocked. Available with 190/350/350 Standard Entrances, 350 HeavyWall™ Entrances, 350/500 Tuffline™ Entrances and Flushline™ Exit Devices. Optional matching dummy panels are available for vestibule doors and fixed panels are available for side lites. Available with motorized electric latch (MEL) option for access control.

**Paneline™ and Paneline™ MEL Exit Devices**

The only class that this an exit device are the “push” indication and unlocking action. Paneline™ Exit Devices have been large-missile hurricane impact and cycle tested.

Pressure on the push panel quickly releases the door for emergency egress. Offers improved safety since Paneline™ cannot be-channeled or blocked. Available with 190/350/350 Standard Entrances, 350 HeavyWall™ Entrances, 350/500 Tuffline™ Entrances and Flushline™ Exit Devices. Optional matching dummy panels are available for vestibule doors and fixed panels are available for side lites. Available with motorized electric latch (MEL) option for access control.

**AA™2000 Thermal Sliding Doors**


**AA™1200 Thermal Sliding Doors**

A high-performance sliding door that meets thermal, coastal/impact resistant requirements. Available in both high-performance (HP) and impact resistant (IR) versions. AA™1200 thermal break meets current energy codes and allows a dual finish. Accommodates 1” insulating and 1-5/16” insulating laminated glass for improved thermal, acoustic and impact performance. Large wheel, stainless steel tandem roller with precision ground sealed bearings provides smoother operation even on large/ heavy panels. Corrosion-resistant, stainless steel locks and fasteners. 2-1/4” standard sill provides an aesthetically pleasing smaller sightline. Slab-to-slab operable panels can span up to 10’ tall. Unique beveled profiles create architectural shadow lines, allowing commercial product to receive mid- to high-rise residential acceptance. Multiple configurations: OX, XO, OXO, OXXO and OXOO. Tested to NFRC thermal standards.

**990 Sliding Doors**

Engineered for rain-battered high- and low-rise applications. Features an adjustable steel ball-bearing, tandem-roller assembly to assure trouble-free, smooth operation and positive weather seals on all sides. The manual sliding 990 is a complete system of door, door frame and hardware, available in four configurations. Steel face width is 2-1/2" (63.5 mm) and the door accepts infills from 3-7/16” to 11’ (4.8 mm to 25.4 mm). Whitts and water infiltration at 10 P.S.F. and meets or exceeds all criteria established by AAMA 3200 THERMAL SLIDING DOORS

AA™2000M THERMAL SLIDING DOORS


**AA™1200 THERMAL SLIDING DOORS**

A high-performance sliding door that meets thermal, coastal/impact resistant requirements. Available in both high-performance (HP) and impact resistant (IR) versions. AA™1200 thermal break meets current energy codes and allows a dual finish. Accommodates 1” insulating and 1-5/16” insulating laminated glass for improved thermal, acoustic and impact performance. Large wheel, stainless steel tandem roller with precision ground sealed bearings provides smoother operation even on large/ heavy panels. Corrosion-resistant, stainless steel locks and fasteners. 2-1/4” standard sill provides an aesthetically pleasing smaller sightline. Slab-to-slab operable panels can span up to 10’ tall. Unique beveled profiles create architectural shadow lines, allowing commercial product to receive mid- to high-rise residential acceptance. Multiple configurations: OX, XO, OXO, OXXO and OXOO. Tested to NFRC thermal standards.

**HP™ and HPX Monumental Sliding Doors**

High performance designed to meet extreme conditions. HP™ and HPX Monumental Sliding Doors have been hurricane impact and cycle tested.

HP™ Sliding Doors are available in four different performance ranges for low- and medium-rise applications. Tested for Performance Class and Grade HC60, HC80, HC100 and HC120. Small-missile impact and cycle tested.

HPX Sliding Doors are designed for high-coastal marine applications requiring greater wind load and superior water performance. Tested for Performance Class and Grade HC160. Large- and small-missile impact and cycle tested.

**1010/1010C and 1040 Sliding Mall Fronts**

For single- and multi-track interior applications. Available with both fixed and operable panels. 1010/1010C Sliding Mall Front has a low-profile multi-track that can be recessed or surface applied. Interior applications only. Accepts infills from 1/4” to 1”.

1040 Sliding Mall Front is a single-track unit with three stacking options: parallel staggered, parallel even and 90°. Accepts 1/4” to 1” infills.
TRIFAB™ 400 FRAMING SYSTEM
Proven solution for storefront and low-rise applications. 2-1/2" x 4-1/2" frame members accept 1/8", 1/4", 3/8" and 1/2" monolithic infills. May be flush-glazed from the inside or outside. Choice of screw spline, shear block or stick fabrication. 

TRIFAB™ VG (VERSAGLaze™) 410, TRIFAB™ VG 451T, TRIFAB™ VG 451T/F and TRIFAB™ 451UT FRAMING SYSTEMS
Built on the proven and successful Trifab™ platform, these storefront framing systems offer design versatility with unmatched fabrication flexibility. Trifab™ VG 450, 451T and 451T/F frame members accept 1/8", 1/4" and 3/8" monolithic infills. 

TRIFAB™ VG 451, 601T and 601UT FRAMING SYSTEMS
Larger, more versatile span delivers more thermal options and more design choices. These three frame systems include the non-thermal Trifab™ 601T, the dual IsoLock™ thermal break Trifab™ 601UT and the dual IsoLock™ thermal break Trifab™ 401T/F. The greater system depth combined with these thermal performance options make this one of the most versatile framing systems available. 2" x 6" frame members accept infills up to 1-1/8". Tested to NFRC thermal standards. Glass pockets are aligned to the 4-1/2" deep center set Trifab™ framing systems, allowing integration of the two system depths on the same facade. Screw spline fabrication. High-performance (HP) all-glass and all-flashing with screw applied end dams and new self-configuration eliminates blind seals and weathershield joinery. U-factor, CRF values and STC ratings for Trifab™ 601T and 601UT vary and depend on glass. Project-specific U-factors are easily calculated using technical charts (see Kawneer.com or Architectural Manual). 

ENCORE™ THERMAL FRAMING SYSTEM
The two-piece, face-and-gutter system that offers thermal economy with numerous design options. Offers a broad selection of system depths and a 1-3/4" sightline. Accepts 1/4" and 1" glazing infills and can be quickly adapted to accept other infills in 1/8" increments. Two-piece assembly easily accommodates two-color finish options and curved applications. Glazing plane can be to the exterior or centered in the mullion. Can be structural silicone-glazed. Choice of screw spline, shear block or punched opening fabrication. Type A-6 vertical members run through or Type B (head and sill members run through). Project-specific U-factors are easily calculated using technical charts (see Kawneer.com or Architectural Manual). Tested to NFRC thermal standards. 

IR 501/501T FRAMING SYSTEM
A center-glazed storefront framing system for hurricane impact/hurricane debris requirements. 2-1/2" x 5-1/2" frame members accept 9/16" and 5/8" impact or 1/4" non-impact infills (IR 501) or 1-5/16" impact or 1-1/4" non-impact infills (IR 501T). Flush glazed from the outside, with options for interior silicone seal or dry gasket. Screw spline fabrication. High-performance all-flashing. IR 501 tested to NFRC thermal standards. IR 501 and impact tested. Blast tested per ASTM F 1642. 

INFRAFAB™ INTERIOR FRAMING SYSTEM
An interior framing system that captures drywall in 2" x 4-1/2" deep center set or 2-1/2" x 5-1/2" deep center set framing. Choice of screw spline, shear block or stick fabrication. May be flush-glazed from the inside or outside. May be a multi-plane glass application. Choice of screw spline, shear block, stick or punched opening fabrication. 

IR 501/501T FRAMING SYSTEM
TRIFAB™ 400 FRAMING SYSTEM
A proven solution for storefront and low-rise applications. 1-3/4" x 4" frame members | Accepts 1/8", 1/4" and 3/8" monolithic infills | May be flush glazed from the inside or outside | Choice of screw spline, shear block or stick fabrication

TRIFAB™ VG (VERSAGLAZE™) 410, TRIFAB™ VG 451, TRIFAB™ VG 451T AND TRIFAB™ 45UT FRAMING SYSTEMS
Built on the proven and successful Trifab™ platform, these storefront framing systems offer design versatility with unmatched fabrication flexibility.

Trifab™ VG 450 1-3/4" x 4-1/2" frame members accept 1/8", 1/4" and 3/8" monolithic infills.

Trifab™ VG 451, 451T and Trifab™ 451UT 2" x 4-1/2" frame members accept infills up to 1-1/8" | Tested to NFRC thermal standards.

Trifab™ VersaGlide™ provides a choice of front, center, back or multi-plane glass applications | Choice of screw spline, shear block, stick or punched opening fabrication | High-performance (HP) sill and still flashing with screw applied end dams and new sill configuration eliminates blind seals and are compatible with all glass planes | Flush glazed from either the inside or outside.

Three-in-one framing series includes the non-thermal Trifab™ 451, the single IsoLock™ thermal break Trifab™ 451T and the dual IsoLock™ thermal break Trifab™ 451UT. The greater system depth combined with these thermal performance options make this one of the most versatile framing systems available. 2" x 6" frame members accept infills up to 1-1/8" | Tested to NFRC thermal standards.

Glass pockets are aligned to the 4-1/2" deep center set Trifab™ framing systems, allowing integration of the two system depths on the same facade.

Screw spline fabrication | High-performance (HP) all and still flashing with screw applied end dams and new sill configuration eliminates blind seals | U-factors, CRF values and STC ratings for Trifab™ 601T and 601UT vary and depend on glass.

Project-specific U-factors are easily calculated using technical charts (see Kawneer.com or Architectural Manual).

TRIFAB™ 401, 601T AND 601UT FRAMING SYSTEMS
Larger, more versatile span delivers more thermal options and more design choices.

Three-in-one framing series includes the non-thermal Trifab™ 401, the single IsoLock™ thermal break Trifab™ 401T and the dual IsoLock™ thermal break Trifab™ 401UT. The greater system depth combined with these thermal performance options make this one of the most versatile framing systems available. 2" x 6" frame members accept infills up to 1-1/8" | Tested to NFRC thermal standards.

Glass pockets are aligned to the 4-1/2" deep center set Trifab™ framing systems, allowing integration of the two system depths on the same facade.

Screw spline fabrication | High-performance (HP) all and still flashing with screw applied end dams and new sill configuration eliminates blind seals | U-factors, CRF values and STC ratings for Trifab™ 601T and 601UT vary and depend on glass.

Project-specific U-factors are easily calculated using technical charts (see Kawneer.com or Architectural Manual).

ENCORE™ THERMAL FRAMING SYSTEM
The two-piece, face-and-gutter system that offers thermal economy with numerous design options.

Offers a broad selection of system depths and a 1-3/4" sightline. Accepts 1/8" and 1/4" glazing infills and can be quickly adapted to accept other infills in 1/8" increments.

Two-piece assembly easily accommodates two-color finish options and curved applications. Glazing plane can be to the exterior or centered in the Mullion.

Can be structural silicone glazed | Choice of screw spline, shear block or punched opening fabrication | Type A (vertical members run through) or Type B (head and sill members run through).

Project-specific U-factors are easily calculated using technical charts (see Kawneer.com or Architectural Manual) | Tested to NFRC thermal standards.

IR 500/501 FRAMING SYSTEM
A center-glazed storefront framing system for hurricane impact/windborne debris requirements.

2-1/2" x 5.5" frame members accept 9/16" and 5/8" impact or 1/4" non-impact infills | IR 501 2-1/2" x 5.5" frame members accept 1-5/16" impact or 1" non-impact infills.

IR 501T | Flush glazed from the outside, with options for interior silicone seal or dry gasket.

Glass pockets are aligned to the 2-1/2" deep center set Trifab™ framing systems, allowing integration of the two system depths on the same facade.

Screw spline fabrication | High-performance all and still flashing | IR 501 tested to NFRC thermal standards | Hurricane impact and cycle tested.

Blast tested per ASTM F 1642 | Single or pairs of 350/500 IR Entrances available with 3-point lock, touch bar panic or PanicLINE™ panic.

INFRAME™ INTERIOR FRAMING SYSTEM
An interior framing system that captures drywall.

2" x 8-3/8" sightline x 6-1/2" (152.4 mm) depth members accept 1/8", 1/4" or 3/8" infill | Screw spline joinery | Wraparound perimeter profiles capture drywall.

Accepts 1/4" and 1" glazing infills and can be quickly adapted to accept other infills in 1/8" increments. Two-piece assembly easily accommodates two-color finish options and curved applications. Glazing plane can be to the exterior or centered in the Mullion.

Can be structural silicone glazed | Choice of screw spline, shear block or punched opening fabrication | Type A (vertical members run through) or Type B (head and sill members run through).

STANDARD KAWNEER ENTRANCES | Features perimeter bulb gasket to compensate for variations in drywall thickness and inconsistencies.

IR 501T/501UT THERMAL FRAMING SYSTEM
A center-glazed, thermally broken storefront framing system for hurricane impact/windborne debris and blast mitigation projects.

2-3/4" x 5" frame members accept 1-5/16" tunneling laminated glass | Flush glazed from the exterior.

Screw spline fabrication | High-performance all and still flashing | Single IsoLock™ thermal break IR 501T and dual IsoLock™ thermal break IR 501UT for maximum thermal performance.

Large- and small-missile hurricane impact and cycle tested | Tested to NFRC thermal standards | Blast tested per ASTM F 1642.

TRIFAB™ VG 500 Interior Framing System used in interior application | Standard Kawneer entrances | Features perimeter bulb gasket to compensate for variations in drywall thickness and inconsistencies.

INFRAME™ INTERIOR FRAMING SYSTEM
An interior framing system that captures drywall.

2" x 8-3/8" sightline x 6-1/2" (152.4 mm) depth members accept 1/8", 1/4" or 3/8" infill | Screw spline joinery | Wraparound perimeter profiles capture drywall.

Accepts 1/4" and 1" glazing infills and can be quickly adapted to accept other infills in 1/8" increments. Two-piece assembly easily accommodates two-color finish options and curved applications. Glazing plane can be to the exterior or centered in the Mullion.

Can be structural silicone glazed | Choice of screw spline, shear block or punched opening fabrication | Type A (vertical members run through) or Type B (head and sill members run through).

STANDARD KAWNEER ENTRANCES | Features perimeter bulb gasket to compensate for variations in drywall thickness and inconsistencies.

IR 501T/501UT THERMAL FRAMING SYSTEM
A center-glazed, thermally broken storefront framing system for hurricane impact/windborne debris and blast mitigation projects.

2-3/4" x 5" frame members accept 1-5/16" tunneling laminated glass | Flush glazed from the exterior.

Screw spline fabrication | High-performance all and still flashing | Single IsoLock™ thermal break IR 501T and dual IsoLock™ thermal break IR 501UT for maximum thermal performance.

Large- and small-missile hurricane impact and cycle tested | Tested to NFRC thermal standards | Blast tested per ASTM F 1642.

TRIFAB™ VG 500 Interior Framing System used in interior application | Standard Kawneer entrances | Features perimeter bulb gasket to compensate for variations in drywall thickness and inconsistencies.

INFRAME™ INTERIOR FRAMING SYSTEM
An interior framing system that captures drywall.

2" x 8-3/8" sightline x 6-1/2" (152.4 mm) depth members accept 1/8", 1/4" or 3/8" infill | Screw spline joinery | Wraparound perimeter profiles capture drywall.

Accepts 1/4" and 1" glazing infills and can be quickly adapted to accept other infills in 1/8" increments. Two-piece assembly easily accommodates two-color finish options and curved applications. Glazing plane can be to the exterior or centered in the Mullion.

Can be structural silicone glazed | Choice of screw spline, shear block or punched opening fabrication | Type A (vertical members run through) or Type B (head and sill members run through).

STANDARD KAWNEER ENTRANCES | Features perimeter bulb gasket to compensate for variations in drywall thickness and inconsistencies.
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
Curtain Wall & Overhead Glazing 08 44 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.