


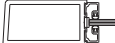



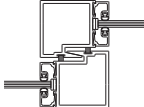


# ENTRANCE DOORS PRODUCT SELECTION GUIDE



ENTRANCES	DETAIL	STILES	TOP RAIL	BOTTOM RAIL	APPLICATIONS	PRODUCT DESCRIPTIONS
<b>SERIES 250 NARROW STILE</b>		2" (51 mm)	2-1/8" (54 mm)	3-3/16" (81 mm)	Light to Moderate Traffic	These Doors are among our most popular models. All doors offer clean lines and are supplied with push/pull hardware and maximum security locks. Standard features include pressure type glass stops with E.P.D.M. glazing gasket. All pairs of doors come with spring-loaded fully adjustable dual weatherstripped astragals for optimum air resistance. All doors feature proven CRL-U.S. Aluminum CORNER-LOC® Technology, the strongest corner construction in the industry.
<b>SERIES 400 MEDIUM STILE</b>		3-1/2" (89 mm)	3-3/16" (81 mm)	6-1/2" (165 mm)	Moderate to Heavy Traffic	
<b>SERIES 550 WIDE STILE</b>		5" (127 mm)	5-1/2" (140 mm)	6-1/2" (165 mm)	Heavy Traffic	
<b>SERIES 800 DURAFRONT MEDIUM STILE</b>		3-1/2" (89 mm)	3-11/32" (85 mm)	6-1/2" (165 mm)	Extremely Heavy Traffic	Durafront Doors and Frames are fabricated from tubular aluminum extrusions with a wall thickness of 3/16" (4.8 mm). These extra strong, long-lasting entrance packages are ideal for locations subjected to extremely high traffic flow. Durafront Entrance Packages are offered for center and offset hung doors. Offset Hung Doors are supplied with a pair and a half of heavy-duty hinges, pivot sets, or a continuous gear hinge. A variety of custom hardware is available upon request.
<b>SERIES 850 DURAFRONT WIDE STILE</b>		5" (127 mm)	5-1/2" (140 mm)	6-1/2" (165 mm)		
<b>VANGUARD SECURITY ASTRAGAL</b>		3-1/4" (83 mm) or 5" (127 mm)	As selected	As selected	Security Astragal for Pairs of Doors With Panic Exit Devices	The Vanguard is a continuous rotary astragal that deters the use of a tripping device from being inserted between meeting stiles on panic doors. When the panic device is in the exit only mode, access through Vanguard Doors will only be possible by forced entry. Available for Series 250, 400, 550, 800 and 850 Entrances.
<b>SERIES 1000 FLUSH PANEL</b>		2" (51 mm) or 3-1/2" (89 mm) or 5" (127 mm)	2-1/8" (54 mm) or 3-3/16" (81 mm) or 5-1/2" (140 mm) or 6-1/2" (165 mm) or 8-1/2" (215 mm)	3-3/16" (81 mm) or 5-1/2" (140 mm) or 6-1/2" (165 mm) or 7-1/2" (190 mm) or 9-1/2" (241 mm)	Light to Heavy Traffic	The Series 1000 Flush Panel Door features an extruded aluminum perimeter with foam panel inserts available in several types of facing, plain or ribbed aluminum sheet in clear or bronze anodized finishes. It's a functional component that contributes significantly to the durability of the Flush Panel Door. Available as a solid door or with options for Vision Lites. Stock or special hardware can be readily adapted for exterior or interior applications. Job tested mechanically fastened and welded corners create a rugged structural assembly.
<b>SERIES 2000 SLIDING DOOR</b>		2-1/16" (52 mm)	2-1/8" (54 mm)	3-3/16" (81)	Interior Applications Only	This Multi-Track Slider is engineered with stacking head channels and bottom tracks allowing multiple slider combinations. Rugged overall construction coupled with heavy wall stiles and interlocks create a truly monumental sliding unit. Doors are equipped with flush finger pulls, hook locks, and cylinders. Adjustable tandem rollers and floor tracks with stainless steel caps ensure smooth operation and durability.

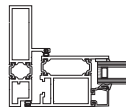



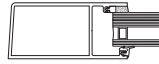
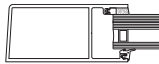
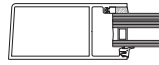
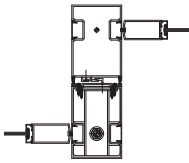
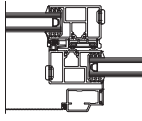
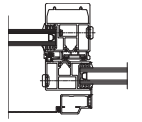
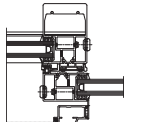
# ENTRANCE DOORS PRODUCT SELECTION GUIDE



ENTRANCES	DETAIL	STILES	TOP RAIL	BOTTOM RAIL	APPLICATIONS	PRODUCT DESCRIPTIONS
ENTICE™ SERIES		1-3/16" (31 mm)	4-3/16" (107 mm)	4-3/16" (107 mm)	Exterior Storefront	Entice™ is the only storefront solution that delivers the aesthetically pleasing qualities of a monolithic frameless glass entrance, plus satisfies new energy code requirements and ASHRAE 90.1 air infiltration criteria. The first premium storefront of its kind, the Entice™ Series retains the elegant appearance of heavy glass storefronts with minimal vertical lines, and features the unique ability to support door handle hardware on 1" insulating glass panels that accommodate all high solar and thermal efficient glass options, including low-e coatings and tints. The Entice™ Series is clad with finely finished materials of your choice, and does not have break lines where common doors would have removable stops. The system also features proven CRL-U.S. Aluminum CORNER-LOC® Technology, the strongest corner construction in the industry.
BALANCER SERIES		3-1/2" (89 mm)	3-9/16" (85 mm)	5-1/2" (140 mm)	Balanced Door with Concealed Hinge Tube Jamb	In a Balanced Door the door panel rotates around a rolling pivot in an elliptical path to provide the widest possible opening with the smallest swing arc. This design neutralizes two naturally occurring pressures, atmospheric (wind) and interior stack pressure, allowing effortless opening and positive closing. Balanced Doors are typically required when a commercial project has a monumental entrance, requiring an oversized, heavy door. The 'balanced' principle permits the use of these monumental doors where ordinary closer mechanisms would fail to offer adequate control.
		5-1/2" (140 mm)	6" (152 mm)	7" (178 mm)	Balanced Door with Exposed Hinge Tube Jamb	
SERIES S55 AND S55R MONTEREY		2-1/2" (64 mm)	2-1/2" (64 mm)	3-7/8" (98 mm)	Light to Moderate Traffic	CRL-U.S. Aluminum Monterey Bi-Folding Glass Wall Systems are award-winning innovative solutions that create uninterrupted transformative living spaces by providing striking hybrid environments with spectacular views. Suitable for both residential and commercial applications, our systems feature clean, modern aesthetics with precision-engineered components that allow window, wall, and door panels to slide smoothly with minimal effort. The Monterey allows you to bring the outdoors in while providing resistance to undesirable weather conditions, and provide security with standard two point interior lever latches, and available three point keyed locks on select Monterey configurations. The Monterey Series Top Hung Bi-Folding Wall System has been engineered to meet strict quality and performance standards through cycle, air, water, and sound infiltration testing for various applications.
SERIES S80 AND S80R MONTEREY		3-1/2" (89 mm)	3-1/2" (89 mm)	6-1/2" (165 mm)	Moderate to Heavy Traffic	
SERIES 250-T NARROW STILE THERMAL		3" (76 mm)	2-7/8" (73 mm)	4-5/16" (110 mm)	Light to Moderate Traffic	Our Series 250-T and 400-T Thermal Entrance Doors provide high thermal resistance by utilizing a two glass stop design. Polyamide Nylon thermal break and mechanically fastened corners with patented CORNER-LOC® technology offer one of the best thermal properties available in commercial entrance doors. All doors offer clean lines and are supplied with push/pull hardware and maximum security locks. These entrance doors can easily accommodate a wide variety of custom hardware for specific job requirements. An optional 10" (254 mm) bottom rail is available for A.D.A. requirements.
SERIES 400-T MEDIUM STILE THERMAL		4-1/4" (108 mm)	4-5/16" (110 mm)	7-1/4" (184 mm)	Moderate to Heavy Traffic	
SERIES 550-T WIDE STILE THERMAL		5-1/2" (140 mm)	6" (152 mm)	7" (178 mm)	Heavy Traffic	Our Series 550-T Thermal Entrance Doors provide high thermal resistance by utilizing polyurethane polymer thermal break mechanically fastened corners with patented CORNER-LOC® technology. This results in one of the best thermal properties available in Commercial Entrance Doors. All doors offer clean lines and are supplied with push/pull hardware and maximum security locks. These entrance doors can easily accommodate a wide variety of custom hardware for specific job requirements. An optional 10" (254 mm) bottom rail is available for A.D.A. requirements.
SERIES 650-T HIGH PERFORMANCE NARROW STILE THERMAL		2-1/2" (64 mm)	2-1/2" (64 mm)	3-7/8" (98 mm)	Light to Moderate Traffic	Our Series 650-T, 700-T, and 750-T High Performance Thermal Entrance Doors are filled and debridged with a Polyurethane Polymer Thermal Break, and mechanically fastened and welded at the corners with patented CORNER-LOC® technology, offering the best thermal properties available in Commercial entrance doors. All doors offer clean lines and are supplied with push/pull hardware and maximum security locks. These entrance doors can easily accommodate a wide variety of custom hardware for specific job requirements. An optional 10" (254 mm) bottom rail is available for A.D.A. requirements.  Standard Features: <ul style="list-style-type: none"> <li>• 2-1/4" deep rails thermally broken for High Performance Thermal Isolation.</li> <li>• Pressure type glass stops with bulb weatherstrip glazing gaskets permit time saving installation of 1" (25 mm) thick glass standard.</li> <li>• Optional glass stops for 1-1/2" (38 mm) triple glazing infills are available.</li> <li>• Setting blocks for glass are pre-set at the factory.</li> <li>• Adjustable Leveling Screw concealed in the top rail of the door compensates for minor variances in door openings after installation.</li> <li>• Adjustable Astragal on all pairs come with spring-loaded fully adjustable dual weathered thermally broken astragals for optimum air resistance.</li> </ul>
SERIES 700-T HIGH PERFORMANCE MEDIUM STILE THERMAL		3-1/2" (89 mm)	3-1/2" (89 mm)	6-1/2" (165 mm)	Moderate to Heavy Traffic	
SERIES 750-T HIGH PERFORMANCE WIDE STILE THERMAL		4-1/4" (108 mm)	4-1/4" (108 mm)	6-1/2" (165 mm)	Heavy Traffic	

# ENTRANCE DOORS PRODUCT SELECTION GUIDE

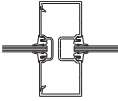
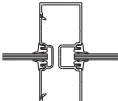
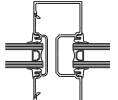
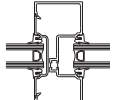

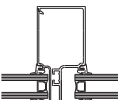
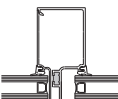
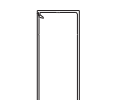




ENTRANCES	DETAIL	STILES	TOP RAIL	BOTTOM RAIL	APPLICATIONS	PRODUCT DESCRIPTIONS
<b>SERIES 900 TERRACE DOOR</b>		3-3/4" (95 mm)	3-3/4" (95 mm)	3-3/4" (95 mm)	Condominiums, Lofts, Hotels, and High-Rise Apartments	The Series 900 Terrace Door is high performance, rated AW-PG55 for use in hotels, lofts, condominiums, and high-rise apartments. The Terrace Door will withstand heavy traffic and the worst of weather conditions while maintaining its elegant styling.
<b>SERIES BAL-350 HURRICANE RESISTANT TERRACE DOOR</b>		3-3/4" (95 mm)	4-7/16" (113 mm)	8" (203 mm)	Condominiums, Lofts, Hotels, and High-Rise Apartments	The BAL-350 Hurricane Resistant Balcony/Terrace Door is elegantly designed for high-rise applications such as hotels, condominiums, and office buildings. Tested for both small and large missile impact resistance, as well as for air, water, and structural performance. The BAL-350 meets Miami-Dade County Florida requirements with the highest level of quality.
<b>SERIES DH-350 HURRICANE RESISTANT ENTRANCE DOOR</b>		3-3/4" (95 mm)	3-3/8" (86 mm)	8" (203 mm)	Coastal Areas	The DH-350 High Performance Hurricane Resistant Storefront Entrance Door is designed for all commercial entrance applications including retail space, hotels, condominiums, office buildings, institutional facilities, and industrial structures. The DH-350 complies with the stringent requirements of Florida's Miami-Dade County Building Codes, making it the top choice for installation in areas battered by hurricanes.
<b>SERIES IG500 HURRICANE RESISTANT ENTRANCE DOOR</b>		4-5/8" (118 mm)	4-11/16" (119 mm)	7-5/16" (186 mm)	Coastal Areas	These High Performance Hurricane Resistant Storefront Entrance Doors are designed for all commercial entrance applications including retail space, hotels, condominiums, office buildings, institutional facilities, and industrial structures. Both the IG500 and IG600 Storm Front™ Doors comply with the stringent requirements of Florida's Miami-Dade County Building Codes, making them the top choice for installations in areas battered by hurricanes. The IG500 and IG600 are intended to be installed in punched openings or as liner frames within other CRL-U.S. Aluminum Impact Framing Systems.
<b>SERIES IG600 HURRICANE RESISTANT ENTRANCE DOOR</b>		4-5/8" (118 mm)	4-11/16" (119 mm)	7-5/16" (186 mm)		
<b>SERIES BR604 BLAST RESISTANT ENTRANCE DOOR</b>		4-5/8" (118 mm)	4-11/16" (119 mm)	7-5/16" (186 mm)	Blast Resistant 4.4 PSI Blast Load	BR604 and BR606 Blast Resistant Entrance Systems are engineered and successfully tested to withstand blast pressures of 1 to 6 psi. These unique entrance systems utilize our Storm Front™ Entrance and feature screw spline assembly for panel erection, insulating and laminated glass siliconed in place, high performance subsill, and steel reinforced mullions.
<b>SERIES BR606 BLAST RESISTANT ENTRANCE DOOR</b>		4-5/8" (118 mm)	4-11/16" (119 mm)	7-5/16" (186 mm)	Blast Resistant 6.0 PSI Blast Load	
<b>SERIES E1200 OPERABLE STOREFRONT SYSTEM</b>		3-3/4" (95 mm)	3-3/16" (81 mm)	7-5/16" (186 mm)	Mall Fronts, Dealerships, Convention Centers	Our Series E1200 Elephant Door Operable Storefront System is a sliding/pivoting entrance system designed and engineered with versatility and economics in mind. This system is ideally suited for monumental applications requiring a sliding storefront with functional pivoting doors. Its rugged overall construction coupled with heavy wall stiles and interlocks, heavy-duty tandem rollers, and a concealed floor track, offers smooth operation and durability.
<b>SERIES 3000 MODEL 3025 SLIDING DOOR LC-PG25</b>		3-1/16" (78 mm)	1-11/16" (43 mm)	3-3/8" (87 mm)	Condominiums, Lofts, Hotels, and Apartments	Our Series 3000 High Performance Sliding Door is an elegant high thermal multi-track sliding door designed for exterior applications. This high performance slider is designed for either fin or block frame applications, has thermally broken stacking head channels and bottom tracks to provide exceptional thermal performance, allowing for multi-slider combinations. It's rugged overall construction coupled with heavy wall stiles and interlocks, create a truly monumental thermal sliding unit. Doors are equipped with multi-point locking system, heavy-duty adjustable tandem rollers, and floor track with stainless steel caps to ensure smooth operation during years of service.
<b>SERIES 3000 MODEL 3040 SLIDING DOOR CW-PG40</b>		3-1/16" (78 mm)	1-11/16" (43 mm)	4-7/16" (113 mm)		
<b>SERIES 3000 MODEL 3060 SLIDING DOOR CW-PG60</b>		3-1/16" (78 mm)	1-11/16" (43 mm)	4-7/16" (113 mm)		

# STOREFRONTS

## PRODUCT SELECTION GUIDE



STOREFRONTS	DETAIL	WIDTH	DEPTH	GLAZING INFILL	GLAZING METHOD	THERMAL BREAK	APPLICATIONS	PRODUCT DESCRIPTIONS
<b>SERIES 400</b> <b>SERIES 400-S</b>		1-3/4" (45 mm)	4" (102 mm)	1/4" (6 mm) or 3/8" (10 mm)	Exterior or Interior	No	Center Glaze Storefront	Our Series 400, 450, and 451 are a panel type installation featuring screw race joinery which may be shop fabricated and shipped to the job site partially or totally assembled into panels. The assembled panel units are then snapped together into long runs.
<b>SERIES 450</b> <b>SERIES 450-S</b>		1-3/4" (45 mm)	4-1/2" (114 mm)	1/4" (6 mm) or 3/8" (10 mm)	Exterior or Interior	No	Center Glaze Storefront	Our Series 400-S, 450-S and 451-S are a Stacking System which has continuous head and sill channels spliced together with extruded aluminum splice sleeves as required for thermal expansion. Vertical mullions are stacked into the head and sill channels without mechanical fastening to provide for metal expansion and building deflection. Infiltrated water is weeped to the exterior through weep holes located approximately 6" (152 mm) on each side of vertical mullions.
<b>SERIES 451</b> <b>SERIES 451-S</b>		2" (51 mm)	4-1/2" (114 mm)	1" (25 mm)	Exterior or Interior	No	Center Glaze Storefront	
<b>SERIES IT451</b> <b>SERIES IT451-S</b>		2" (51 mm)	4-1/2" (114 mm)	1" (25 mm)	Exterior or Interior	Yes	Thermally Improved Center Glaze Storefront	
<b>SERIES FF450</b>		1-3/4" (45 mm)	4-1/2" (114 mm)	1/4" (6 mm) or 3/8" (10 mm)	Exterior or Interior	No	Offset Glaze Storefront for Fixed Horizontal Ribbon Windows	Our Flush Front™ Systems allow the plane of the glass to be reversed from exterior to interior or any combination to give these standard systems a custom look. Flush Front™ is ideal for use in storefront and punched opening or ribbon window applications. Flush Front™ Systems accommodate most U.S. Aluminum Entrance Doors.  These systems feature screw race joinery with split vertical mullions which allows for framing to be shop fabricated and shipped to the job site partially or totally assembled into panels. The assembled panel units are then snapped together into long runs. Subsills with factory pre-punched weep slots must be used with these systems.
<b>SERIES FF451</b>		2" (51 mm)	4-1/2" (114 mm)	1" (25 mm)	Exterior or Interior	No	Offset Glaze Storefront for Fixed Horizontal Ribbon Windows	
<b>SERIES FT451</b>		2" (51 mm)	4-1/2" (114 mm)	1" (25 mm)	Exterior or Interior	Yes	Thermally Improved Storefront for Fixed Horizontal Ribbon Windows	
<b>SERIES FF600</b>		1-3/4" (45 mm)	6" (152 mm)	1/4" (6 mm) or 3/8" (10 mm)	Exterior or Interior	No	Storefront for Fixed Horizontal Ribbon Windows	
<b>SERIES FF601</b>		2" (51 mm)	6" (152 mm)	1" (25 mm)	Exterior or Interior	No	Thermally Improved Storefront for Fixed Horizontal Ribbon Windows	
<b>SERIES FT601</b>		2" (51 mm)	6" (152 mm)	1" (25 mm)	Exterior or Interior	Yes	Thermally Improved Storefront for Fixed Horizontal Ribbon Windows	Series FT451 and FT601 are designed for geographic areas requiring a thermal break. These systems feature the Poly-Aluminizer™ and Lancer™ Thermal Break Technologies.



# STOREFRONTS PRODUCT SELECTION GUIDE



STOREFRONTS	DETAIL	WIDTH	DEPTH	GLAZING INFILL	GLAZING METHOD	THERMAL BREAK	APPLICATIONS	PRODUCT DESCRIPTIONS
SERIES IG500		2-1/2" (64 mm)	5" (127 mm)	9/16" (14 mm)	Exterior	No	Impact Resistant Storefront	The Storm Front® System is a dry glazed system that saves both time and money at installation. The IG500 and IG600 Storm Front® Systems have passed the stringent requirements of the Miami/Dade County protocol for maximum protection from high winds and wind-borne debris. These systems are center glazed and utilize the Storm Front Entrance™ Doors.
SERIES IG600		2-1/2" (64 mm)	5" (127 mm)	1-5/16" (33 mm)	Exterior	No	Impact Resistant Storefront	
SERIES IT600		2-1/2" (64 mm)	5" (127 mm)	1-5/16" (33 mm)	Wet Glaze	Yes	Impact Resistant Storefront	Series IT Storefronts feature the Poly-Aluminizer™ and Lancer™ Thermal Break Technologies, engineered to satisfy the increasing demands for energy conservation.
SERIES DHS-500		1-3/4" (45 mm)	5" (127 mm)	9/16" (14 mm) or 1-5/16" (33 mm)	Wet Glaze	No	Impact Resistant Storefront	The DHS-500 is an Impact Resistant Storefront System achieving very high wind loads and providing maximum protection against wind-borne debris. This product is conceptually engineered to deliver simplicity of installation, high visual elegance, strength, durability, and maximum performance.
SERIES BR604		2-1/2" (64 mm)	5" (127 mm)	1-5/16" (33 mm)	Exterior	No	Blast Resistant Storefront	BR604 and BR606 are Blast Resistant Storefront Systems engineered and successfully tested to withstand blast pressures of 1 to 6 P.S.I. Some features are screw spline assembled for panel assembly and erection, insulated and laminated glass siliconed in place, high performance subsill and steel reinforced mullions. BT601 Systems feature the Poly-Aluminizer™ and Lancer™ Thermal Break Technologies, engineered to satisfy the increasing demands for energy conservation.
SERIES BR606		2-1/2" (64 mm)	5" (127 mm)	1-5/16" (33 mm)	Exterior	No	Blast Resistant Storefront	
SERIES BT601		2-1/2" (64 mm)	5" (127 mm)	1-5/16" (33 mm)	Exterior	Yes	Blast Resistant Storefront	

# WINDOW WALLS

## PRODUCT SELECTION GUIDE

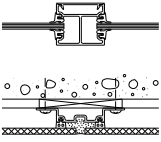
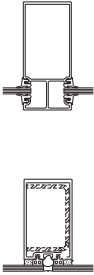

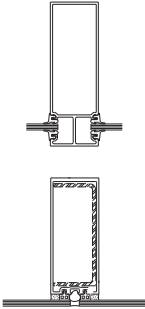
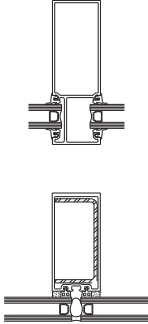


WINDOW WALLS	DETAIL	WIDTH	DEPTH	GLAZING INFILL	GLAZING METHOD	THERMAL BREAK	APPLICATIONS	PRODUCT DESCRIPTIONS
SERIES BG450		2-1/4" (57 mm)	4-1/2" (114 mm)	1/4" (6 mm)	Exterior or Interior	No	Structural Silicone Glazed Window Wall	<p>Our BG and BT Systems are vertically butt glazed horizontal Ribbon Window Systems that are ideal for low to mid-rise applications. The BG and BT Systems are engineered for continuous long runs of glass creating a monolithic appearance. Intermediate horizontals can be added for accenting horizontal bands, and designed for three types of configuration; two-sided structural silicone support, captured glazing, or a combination of these two configurations.</p> <p>Dual or two-tone colors can be achieved by specifying different finishes for the exterior face covers and interior mullions. When intermediate horizontals are used, system must be exterior glazed.</p> <p>BT Systems feature the Poly-Aluminizer™ and Lancer™ Thermal Break Technologies. They were especially engineered to satisfy the increasing demands for energy conservation. Both series may be glazed from the interior or exterior, and are well suited for storefront applications requiring increased thermal performance.</p>
SERIES BG520		2-1/4" (57 mm)	5-1/4" (133 mm)	1" (25 mm)	Exterior or Interior	No	Structural Silicone Glazed Window Wall	
SERIES BG525		2-1/4" (57 mm)	6" (152 mm)	1/4" (6 mm)	Exterior or Interior	No	Structural Silicone Glazed Window Wall	
SERIES BG600		2-1/4" (57 mm)	6" (152 mm)	1" (25 mm)	Exterior or Interior	No	Structural Silicone Glazed Window Wall	
SERIES BT525		2-1/4" (57 mm)	5-1/4" (133 mm)	1" (25 mm)	Exterior or Interior	Yes	Thermally Improved Structural Silicone Glazed Window Wall	
SERIES BT600		2-1/4" (57 mm)	6" (152 mm)	1" (25 mm)	Exterior or Interior	Yes	Thermally Improved Structural Silicone Glazed Window Wall	

# WINDOW WALLS

## PRODUCT SELECTION GUIDE



WINDOW WALLS	DETAIL	WIDTH	DEPTH	GLAZING INFILL	GLAZING METHOD	THERMAL BREAK	APPLICATIONS	PRODUCT DESCRIPTIONS
SERIES OS175 / OS175SG		2" (51 mm)	2" (51 mm)	1/4" (6 mm)	Exterior or Interior <hr/> Exterior	No	Offset Glazed Window Wall	<p>The OS-2 Offset Glazing System offers a captured shallow face reveal creating a flush exterior appearance. OS-2 is designed for labor-saving stacking type installations, and may be interior or exterior glazed using top load E.P.D.M. glazing gaskets. Verticals for structural silicone glazing create the look of a true glass wall with the same labor saving installations. Horizontal framing members are set continuous between wall jambs to accomplish a horizontal band appearance. Glazing is performed from the exterior. Internal water deflectors at intersections of intermediate horizontal and vertical mullions allow infiltrated water to be drained into a continuous sill gutter and weeped to the exterior. Optional vertical mullions for structural silicone glazing are available. OS-2 is suitable for storefront or window wall applications, and accommodate most U.S. Aluminum Entrance Doors.</p>
SERIES OS450 / OS450SG		2" (51 mm)	4-3/4" (121 mm)	1/4" (6 mm) or 1" (25 mm)	Exterior or Interior <hr/> Exterior	No	Offset Glazed Window Wall	
SERIES OS451 / OS451SG		2" (51 mm)	4-3/4" (121 mm)	1" (25 mm)	Exterior or Interior <hr/> Exterior	No	Offset Glazed Window Wall	
SERIES OS600 / OS600SG		2" (51 mm)	6-1/4" (159 mm)	1/4" (6 mm)	Exterior or Interior <hr/> Exterior	No	Offset Glazed Window Wall	
SERIES OS601 / OS601SG		2" (51 mm)	6-1/4" (159 mm)	1" (25 mm)	Exterior or Interior <hr/> Exterior	No	Offset Glazed Window Wall	

# WINDOW WALLS

## PRODUCT SELECTION GUIDE



WINDOW WALLS	DETAIL	WIDTH	DEPTH	GLAZING INFILL	GLAZING METHOD	THERMAL BREAK	APPLICATIONS	PRODUCT DESCRIPTIONS
SERIES TN451		2-1/4" (57 mm)	4-1/2" (114 mm)	1" (25 mm)	Interior	No	Offset Glazed Window Wall	<p>The Top Notch Systems offer a shallow face reveal that creates a flush exterior appearance. These systems are designed for labor saving stacking type installations that require glazing from the interior. Series TN451 and TT451 utilize top load gaskets. Series TN601 and TT601 utilize wedge-type molded corner exterior sponge gaskets for superior air and water performance. Internal water deflectors at intermediate horizontal to vertical intersections allow infiltrated water to be drained into a continuous sill gutter and weeped to the exterior. Vertical mullions for structural silicone glazing are also available. The Top Notch Systems are designed for fixed horizontal window wall or punched opening applications.</p>
SERIES TT451		2-1/4" (57 mm)	4-1/2" (114 mm)	1" (25 mm)	Interior	Yes	Offset Glazed Window Wall	
SERIES TN601		2-1/4" (57 mm)	6" (152 mm)	1" (25 mm)	Interior	No	Offset Glazed Window Wall	
SERIES TT601		2-1/4" (57 mm)	6" (152 mm)	1" (25 mm)	Interior	Yes	Offset Glazed Window Wall	
SERIES TT601 UNIT GLAZE		2-1/4" (57 mm)	6" (152 mm)	1" (25 mm)	Interior	Yes	Offset Glazed Window Wall	



# CURTAIN WALLS

## PRODUCT SELECTION GUIDE



CURTAIN WALLS	DETAIL	WIDTH	DEPTH	GLASS INFILL	GLAZING METHOD	THERMAL BREAK	APPLICATION	PRODUCT DESCRIPTIONS
<b>SERIES 2100</b>		2" (51 mm)	4-15/16" (125 mm) or 6-1/16" (154 mm) or 7-1/16" (179 mm)	1" (25 mm)	Exterior	Yes	Low-Rise to Mid-Rise Buildings Where Exterior Glazing is Desired	Series 2100/2200 Curtain Walls are designed for both Shear Block and Screw Spline installation. The Screw Spline System incorporates a unique split vertical mullion for straight-in installation of each bay, special perimeter members for easy anchorage to the structure, and the option to shop install and seal end dams.
<b>SERIES 2200</b>		2" (51 mm)	4-15/16" (125 mm) or 6-1/16" (154 mm) or 7-1/16" (179 mm)	1" (25 mm)	Exterior	Yes		
<b>SERIES 2202</b>		2" (51 mm)	7" (177 mm)	1" (25 mm)	Exterior	Yes	Low-Rise to Mid-Rise Buildings Where Exterior Glazing is Desired	The Series 2202 Curtain Wall design is nearly identical to our time-tested Series 3250 Curtain Wall System used in structures around the world. The primary difference is the addition of a skip and debridge Polyurethane Polymer Thermal Break to complement the continuous thermal spacer from the 2200 System. By employing an innovative thermal break configuration the Series 2202 System, combined with insulating glazing, can provide an ultra-efficient U-Value to satisfy the most demanding project requirements.
<b>SERIES 3150</b>		2-1/2" (64 mm)	6" (152 mm) or 7" (177 mm) or 10" (254 mm)	1/4" (6 mm) or 1" (25 mm)	Exterior	Yes	Low-Rise to Mid-Rise Buildings Where Exterior Glazing is Desired	Series 3150/3250 are among our most popular Curtain Walls. Both series are designed for stick erected offering a combination of functional silicone vertical glazing to create the appearance of a glass wall with horizontal feature strips or captured vertical glazing. These systems feature a thermally improved continuous thermal spacer interlocked with the horizontal and vertical pressure plates providing exceptional thermal performance. Dual or two-tone colors can be achieved by specifying different finishes for the exterior face covers and mullions. Two piece horizontals and extruded shear blocks allow for a concealed horizontal to vertical joinery without exposed screws.
<b>SERIES 3250</b>		2-1/2" (64 mm)	6" (152 mm) or 7" (177 mm) or 10" (254 mm)	1/4" (6 mm) or 1" (25 mm)	Exterior	Yes		
<b>SERIES 3252</b>		2-1/2" (64 mm)	7" (177 mm) or 10" (254 mm)	1" (25 mm)	Exterior	Yes	Low-Rise to Mid-Rise Buildings Where Exterior Glazing is Desired	Complementing the efficiency of insulating glass, Series 3252/3252SG Curtain Wall Systems are thermally broken by a continuous Thermal Spacer interlocked with pressure plates and add our Fill and Debridge Technology. The 3252 uses one Fill and Debridge pocket along with the Thermal Spacer, providing two Thermal Break Points. Dual colors can be achieved by specifying different finishes for the exterior face covers and interior mullions. Two piece horizontals and extruded Shear Blocks allow for a concealed horizontal to vertical joinery without exposed screws. These joint intersections also have concealed injection molded End Dams for controlling any infiltrated water.
<b>SERIES 3252SG</b>		2-1/2" (64 mm)	8" (203 mm)	1" (25 mm)	Exterior	Dual		

# CURTAIN WALLS

## PRODUCT SELECTION GUIDE



CURTAIN WALLS	DETAIL	WIDTH	DEPTH	GLASS INFILL	GLAZING METHOD	THERMAL BREAK	APPLICATION	PRODUCT DESCRIPTIONS
<b>SERIES HP3253</b>		2-1/2" (64 mm)	8" (203 mm)	2" (51 mm)	Exterior	Three	Low-Rise to Mid-Rise Buildings Where Exterior Glazing is Desired	The Series HP3253 High Performance Curtain Wall System for 2" (51 mm) energy efficient triple-glazed infills features dual thermal barrier technology employing two fill and debridge pockets and three thermal break points. Thermally isolated by a continuous thermal spacer and especially engineered to satisfy the increasing demands for energy conservation, a driven design from the beginning. Two-tone colors can be achieved by specifying different finishes for exterior face members and interior mullions. The system features stick erection with no exposed joint fasteners.
<b>SERIES HP3253SG</b>		2-1/2" (64 mm)	8" (203 mm)	2" (51 mm)	Exterior	Three		
<b>SERIES IW3250</b>		2-1/2" (64 mm)	6-1/4" (159 mm) or 7" (177 mm)	7/16" (11 mm) or 1-5/16" (33 mm)	Exterior	Yes	Low to Mid-Rise Buildings Where Protection From High Winds and Wind-borne Debris is Required	The Storm Wall® Series IW3250 Curtain Wall offers protection from high winds and wind-borne debris in low-rise applications. Series IW3250 is thermally improved using a continuous thermal spacer interlocked with the horizontal and vertical pressure plates. Dual or two-tone colors can be achieved by specifying different finishes for the exterior face covers and interior mullions. Two piece horizontals and extruded shear blocks allow for a concealed horizontal to vertical joinery without exposed screws.
<b>SERIES BW3250</b>		2-1/2" (64 mm)	8" (203 mm)	1" (25 mm)	Exterior	Yes	Low to Mid-Rise Buildings Where Protection From Blast Shock Wave is Required	Strength, versatility, and economics make Series BW3250 Blast Resistant Curtain Wall an industry standard for low to mid-rise applications where blast protection is required. BW3250 offers the blast mitigation protection required by the Unified Facilities Criteria 4-010-01. Series BW3250 is thermally improved by a continuous thermal spacer interlocked with horizontal and vertical pressure plates. Dual or two-tone colors can be achieved by specifying different finishes for the exterior face covers and interior mullions. Two piece horizontals and extruded shear blocks allow for a concealed horizontal to vertical joint.
<b>SERIES 4500</b>		2-1/4" (57 mm)	6" (152 mm) or 7" (177 mm) or 10" (254 mm)	1/4" (6 mm) or 1" (25 mm)	Exterior	Yes	Low-Rise to Mid-Rise Buildings Where Exterior Glazing is Desired	The Series 4500 & 4500SG Curtain Wall features pressure-relieved horizontals with a unique, integral UNiflash™ System to literally sweep infiltrated water to the exterior. UNiflash™ eliminates the secondary operation of installing rigid vinyl internal flashing in horizontals as required by similar systems. Exterior and interior members are internally joined by non-conductive injection-molded thermoplastic connectors providing total thermal insulation which allows superior thermal performance. Two-tone colors can be achieved by specifying different finishes for exterior face members and interior mullions. The system features either stick or panel type erection with no exposed joint fasteners. Series 4500SG is a stick or panel erected system combining the horizontal members with structural silicone-glazed vertical mullions.
<b>SERIES 4500SG</b>		2-1/4" (57 mm)	6" (152 mm) or 7" (177 mm)	1/4" (6 mm) or 1" (25 mm)	Exterior	Yes		

# WINDOWS PRODUCT SELECTION GUIDE



WINDOWS	DETAIL	RATING	DEPTH	GLAZING INFILL	THERMAL BREAK	APPLICATIONS	PRODUCT DESCRIPTIONS
SERIES 7200		C70	2" (51 mm)	1" (25 mm)	Yes	Fixed and Operable	All Series 7200 and Series 7300 Window Units are dry glazed with tape at the outside and E.P.D.M. elastomeric wedge on the inside. Vent construction is accomplished with tubular members, mitered and reinforced with an extruded aluminum corner key, and hydraulically crimped. Operating hardware options include 90° Egress Four-Bar Hinges, 5 or 3 Knuckle Butt Hinges, Roto Operators, Friction Adjusters, and Stop Limit Arms. Locking hardware options include Cam Locking Handles, Two-Point Locking Handles, and Security Locks.
SERIES 7300		C90	2" (51 mm)	1" (25 mm)	Yes	Operable	
SERIES 7400		AW75	2" (51 mm)	1" (25 mm)	Yes	Fixed and Operable	The Series 7400 is a 2-1/4" (57 mm) Operable Window that was successfully tested to ANSI/AAMA/NWWD-1011.5 2-97 requirements. The 7400 Window is constructed using extruded tubular members mitered and crimped with corner keys. These windows are offered in projected, fixed, and casement configurations. Series 7400 also features the Struct-Link II™ Thermal Break Design to provide maximum thermal properties.
SERIES 7500		C75	3" (76 mm)	1" (25 mm)	Yes	Operable	The Series 7500 is a minimal site line Operable Window perfect for use in Storefront, Ribbon Window, and Curtain Wall openings. Stainless steel Four-Bar Hinges and Cam Locking Handles complete the standard hardware. As with all of our operable windows, vent construction is accomplished with tubular vent components, mitered, reinforced with corner keys, and crimped at all corners. When closed, the vent is sealed to the frame with Santoprene bulb gaskets, ensuring an airtight seal. The glass is held in place with structural silicone. 1/4" or 1" (6 or 25 mm) glass can be used. The Impact versions require 1" (25 mm) laminated glass.
SERIES 7600		CW100	3" (76 mm)	1" (25 mm)	Yes	Operable	The Series 7600 Concealed Vent is a minimal site line window perfect for use in Storefront, Ribbon Window and Curtain Wall openings. Standard hardware includes a single Multi-Point Locking Handle. As with all of our operable windows, vent construction starts with tubular vent components that are mitered, reinforced with corner keys, and crimped at all corners. When closed, the vent is sealed to the frame with bulb gaskets ensuring an airtight seal. The impact version requires 1" (25 mm) laminated glass.
SERIES 8000		CW60	4-1/2" (114 mm)	1" (25 mm)	Yes	Single Hung (Block Frame or Fin Frame)	The 8000 Single Hung Window uses a Class 5 Balance for smooth operation. The 4-1/2" (114 mm) deep frame is designed to match typical building conditions, including our Entrances and Storefronts. An efficient thermally insulated frame accepts 1" (25 mm) glazing, with extruded pulls at the interlock and bottom rail. The window features a self-locking latch.
SERIES 8100		CW60	4-1/2" (114 mm)	1" (25 mm)	Yes	Fixed (Block Frame or Fin Frame)	The Series 8100 Fixed Window has a 4-1/2" (114 mm) deep frame designed to match typical building conditions, including our Entrances and Storefronts. An efficient thermally insulated frame accepts 1" (25 mm) glazing. Available in an array of architectural coatings and anodized finishes.
SERIES 8200		CW60	4-1/2" (114 mm)	1" (25 mm)	Yes	Horizontal Slider (Block Frame or Fin Frame)	The 8200 Horizontal Sliding Window offers smooth operation, durability, and toughness. It has a 4-1/2" (114 mm) deep frame designed to match typical building conditions, including our Entrances and Storefronts. An efficient thermally insulated frame accepts 1" (25 mm) glazing. Available in an array of architectural coatings and anodized finishes. Available in OX, XO, OXO, or XO configurations.

# WINDOWS PRODUCT SELECTION GUIDE



WINDOWS	DETAIL	RATING	DEPTH	GLAZING INFILL	THERMAL BREAK	APPLICATIONS	PRODUCT DESCRIPTIONS
<b>SERIES IW8000</b>		CW60	4-1/2" (114 mm)	1-5/16" (33 mm)	Yes	Impact Resistant Single Hung Window  (Block Frame or Fin Frame)	The IW8000 Hurricane Resistant Single Hung Window offers a 4-1/2" (114 mm) deep frame designed to match typical building conditions, including our Entrances and Storefronts. An efficient thermally insulated frame accepts 1-5/16" (33 mm) glazing, with extruded pulls at the interlock and bottom rail. The window features a self-locking latch and Class 5 Balances for ease of operation. Accessories such as Mulling Bars, Subsills, and Head and Jamb Channels are available.
<b>SERIES IW8100</b>		CW60	4-1/2" (114 mm)	1-5/16" (33 mm)	Yes	Impact Resistant Fixed Window  (Block Frame or Fin Frame)	The Series IW8100 Fixed Window offers that rare combination of durability and toughness to meet stringent requirements of the Miami/Dade County protocol for maximum protection from high winds and wind-borne debris.
<b>SERIES IW8200</b>		CW60	4-1/2" (114 mm)	1-5/16" (33 mm)	Yes	Impact Resistant Horizontal Slider  (Block Frame or Fin Frame)	The IW8200 Horizontal Sliding Window offers that rare combination of smooth operation, durability, and toughness to meet stringent requirements of the Miami/Dade County protocol for maximum protection from high winds and wind-borne debris. Available in OX, XO, OXO, or XOX Configurations.
<b>SERIES BW8000</b>		DoD Blast Rated for 1 psi	4-1/2" (114 mm)	1-1/32" (26 mm)	Yes	Blast Resistant Single Hung  (Block Frame or Fin Frame)	The BW8000 Blast Mitigation Single Hung Window offers a DoD 1 psi Blast Resistance capability. The 4-1/2" (114 mm) deep frame is designed to match typical building conditions, including our Entrances and Storefronts. An efficient thermally insulated frame accepts glazing infills 1-1/32" (26 mm), with extruded pulls at the interlock and bottom rail. The window features a self-locking latch and Class 5 Balances for ease of operation. Accessories such as Mulling Bars, Subsills, and Head and Jamb Channels are available. The high performance BW8000 Window is both AAMA CW60 Rated and NFRC Certified.
<b>SERIES BW8100</b>		DoD Blast Rated for 1 psi	4-1/2" (114 mm)	1-1/32" (26 mm)	Yes	Blast Resistant Fixed  (Block Frame or Fin Frame)	The Series BW8100 Fixed Window offers both durability and toughness to meet blast mitigation requirements. The Defender Series of Blast Mitigation products are designed to provide protection for DoD and private sector facilities. Other Defender Series products include Storefront, Curtain Wall, Projected Windows, Horizontal Sliding, and Single Hung Windows.
<b>SERIES BW8200</b>		DoD Blast Rated for 1 psi	4-1/2" (114 mm)	1-1/32" (26 mm)	Yes	Blast Resistant Horizontal Slider  (Block Frame or Fin Frame)	The BW8200 Horizontal Sliding Window offers smooth operation, durability, and toughness to meet Blast Mitigation requirements. The Defender Series of Blast Mitigation products are designed to provide protection for DoD and private sector facilities. Other Defender Series products include Storefront, Curtain Wall, Projected, Fixed, and Single Hung Windows. Available in OX, XO, or XOX Configurations.

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