



OPTIMUM

STEEL WINDOWS



ENDLESS POSSIBILITIES







*“Optimum delivers high performance and structural excellence together with beauty and style to make every idea a reality.”*

- Candido Perez









## AMERICA'S MOST DIVERSIFIED WINDOW AND DOOR MANUFACTURER

Established in 1985, **Optimum Window** has made its mark in the Steel Window industry as the largest and most diversified manufacturer of Fire-Rated Windows in the United States.

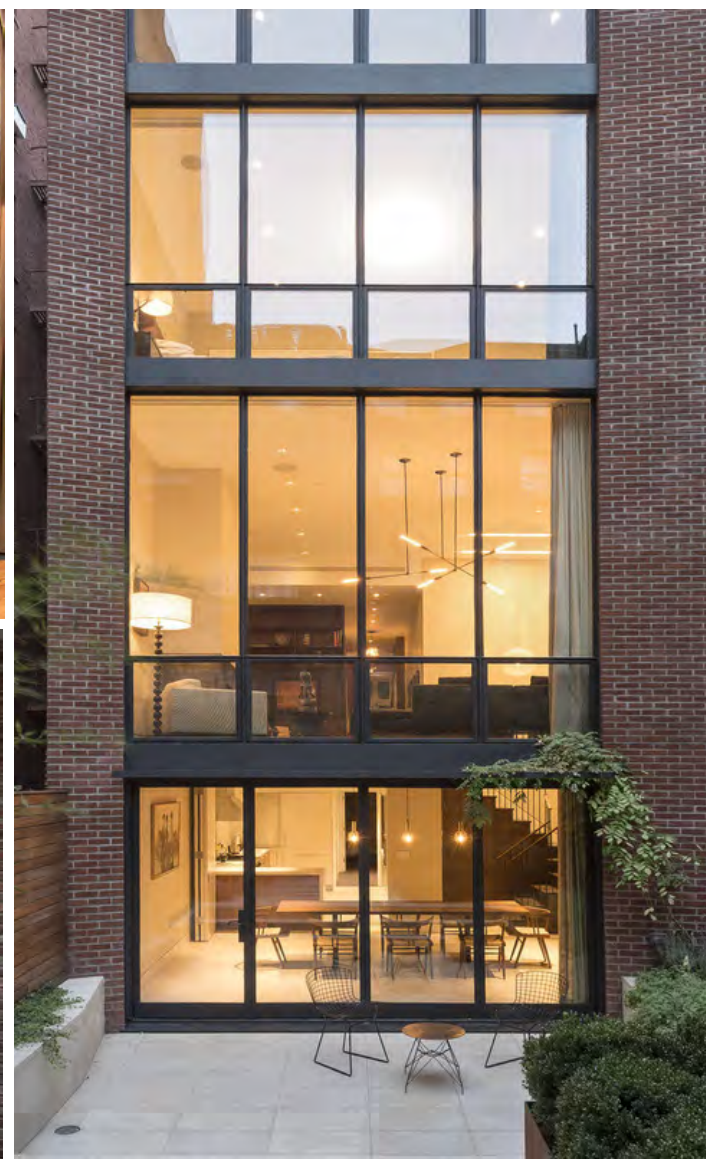
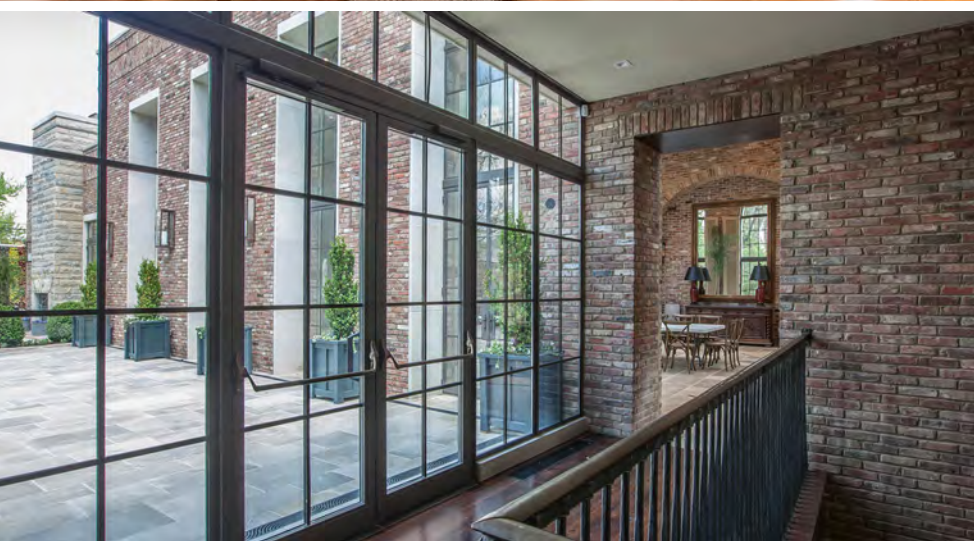
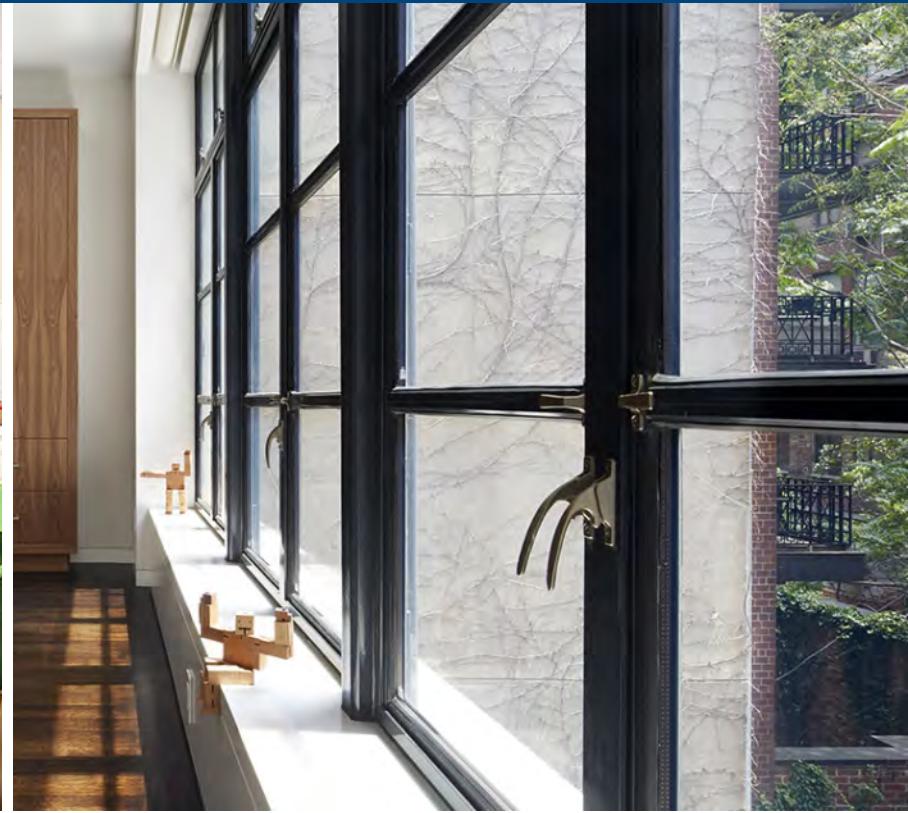
Competitive drive being the motivation for all entrepreneurs, Optimum has continued its growth with a series of custom, high-tech metal window and door systems designed for commercial, high-end residential and even landmark applications.

With our versatility and knowledge in engineering, manufacturing and customer service, Optimum has its focus on producing top of the line products in high-performance steel, bronze, stainless steel and aluminum.

Optimum continues to work with architects that require custom designs for their applications, therefore bringing performance and structural excellence together with beauty and style, making every idea a reality through the use of new computerized machinery used for cutting, welding, punching, etc. All products are custom made per specifications and shop drawings.

*Optimum is a family owned business. It is now entering its 33rd year of creative ingenuity, revamped engineering and great customer service.*







# Building Green

---

For over 33 years, Optimum has been creating works of art. Its' through our Artisans on the shop floor and our extensive testing, research and development that we have been able to pioneer some firsts in the Steel Window industry, such as:

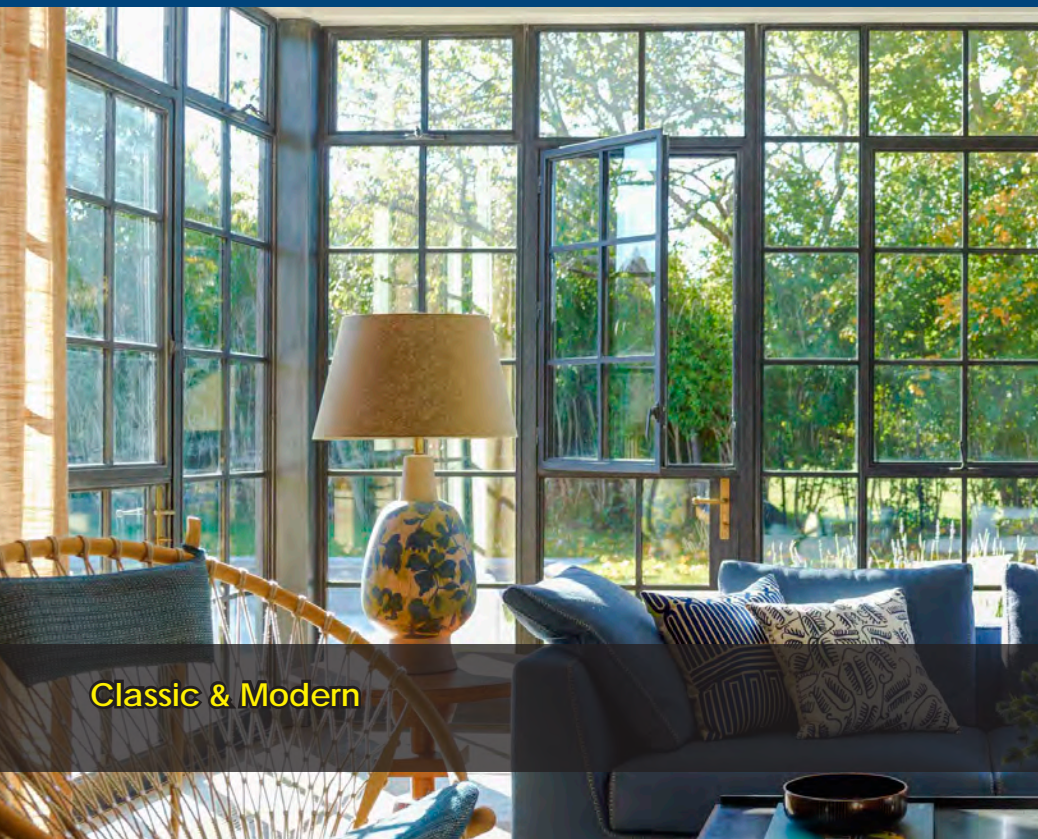
- Powder coating finishes
- Extruded silicone weather stripping
- Multi-point locks for both windows and doors
- Thermally broken steel

We have been able to adapt to an ever-evolving world that continues to present us with new challenges. Energy efficiency is at the forefront of our goals, as well as sustainability, recycling and reducing unnecessary waste. By applying advanced, environmentally-friendly paint finishes, new gasket technology and the use of multi-point locks as a standard, Optimum has raised the bar in energy-efficiency and overall window and door performance in the Steel Window industry. All of our rolled, formed products are produced from 100% recycled steel, allowing Optimum to proudly participate in conserving our world's natural resources. Due to its inherit strength and durability, custom projects utilizing steel outperform all other window and door framing material (vinyl, wood and aluminum).

You no longer have to pay more for custom-made steel windows and doors. Optimum's products are competitively priced and are produced in a timely manner. This combination allows for the dreams of designers and architects to become a reality.







**Classic & Modern**

Optimum's Reliant Line of Steel Windows and Doors offers reliability and versatility. These characteristics are key when designing a project. These series have been used in countless applications, ranging from high-end homes to commercial and even industrial applications. One major quality associated with our units are their narrow sight lines. Architects have incorporated this attribute into all aspects of the building process for over a hundred years and have designed the seamlessness and grace of steel windows into countless architectural styles. The system's large opening casements and slim frame make it particularly popular amongst conservationists and even planners as well. This advantage allows the use of immense glass lites, often in spectacular openings, whilst maintaining narrow sight lines. The look is not simply distinctive, it is also unique. Our steel windows and doors have been selected for use in the most contemporary of settings, as well as traditional, ranging to even Gothic structures.

No other steel window system can offer such an extensive range of sections as well as the variety of options for factory-applied-corrosion-inhibiting-finishes' including galvanizing, E-coating (electro-coat) primer, powder coatings, urethane enamels and more. In addition, we offer countless styles of hardware options that allow the designer an opportunity to create unique custom styles.

Optimum is proud to say that our hot-rolled steel windows are manufactured from 100% recycled steel. These windows and doors are inherently more durable than almost any alternative material used in construction, their life-cycle is unsurpassed. The environmental benefits of using recycled steel can be found on the steel website at [www.recycle-steel.org](http://www.recycle-steel.org)



Window and Door Systems

Fully Welded

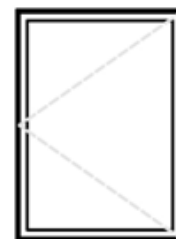
Features:

- Hot-Rolled Steel
- Warranty on Finish up to 10 Years
- Glazing from 1/4" up to 1 3/8"

AVAILABLE MODELS:



FIXED



CASEMENT



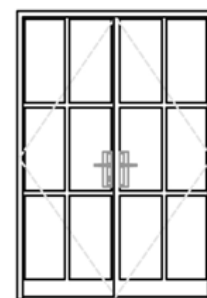
PROJECT IN



PROJECT OUT



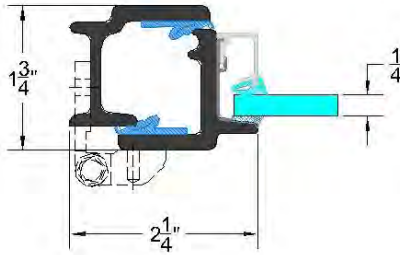
SINGLE DOOR



FRENCH DOOR



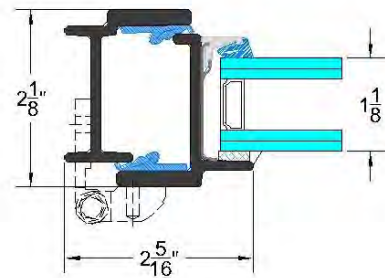
## HR4500 Series



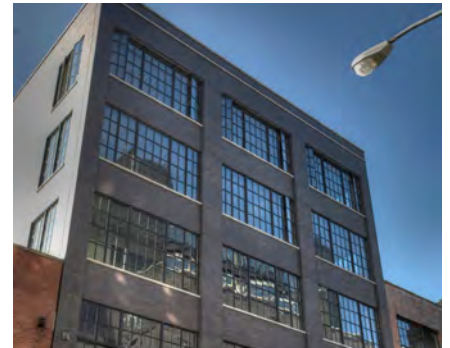
- Fully welded section (flash weld)
- True muntin grids. (Fenestra joint available)
- Double weather stripping (advanced technology)
- Multi-point locking hardware on windows and doors
- Under coatings available (Galvanizing/ E-coat/Zinc enriched primer)
- 10 Year warranty
- Insulated glass available up to 3/4"



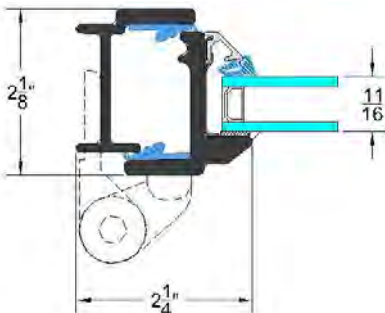
## HR4700 Series



- Fully welded section (flash weld)
- Fenestra joint available
- Double weather stripping (advanced technology)
- Multi-point locking hardware on windows and doors
- Under coatings available (Galvanizing/ E-coat/Zinc enriched primer)
- 10 Year warranty
- Insulated glass available up to 1 1/8"



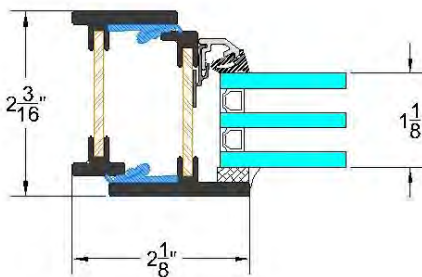
## Princeton Series



- Fully welded section (flash weld)
- True muntin grids. Fenestra joint available
- Double weather stripping (advanced technology)
- Multi-point locking hardware on windows and doors
- Under coatings available (Galvanizing/ E-coat/Zinc enriched primer)
- 10 Year warranty
- Insulated glass available up to 1"



## RTS430 Series



- Thermally Broken Frame
- Meets NFRC Rating
- Durable weather stripping
- Multi-point locking hardware
- Stainless Steel 304
- SS is fully welded
- Never rusts
- True divided lites & SDL available
- 10 year finish warranty
- Insulated glass up to 1 3/8"







CELEBRATING  
of Creative Ingenuity

MANUFACTURING





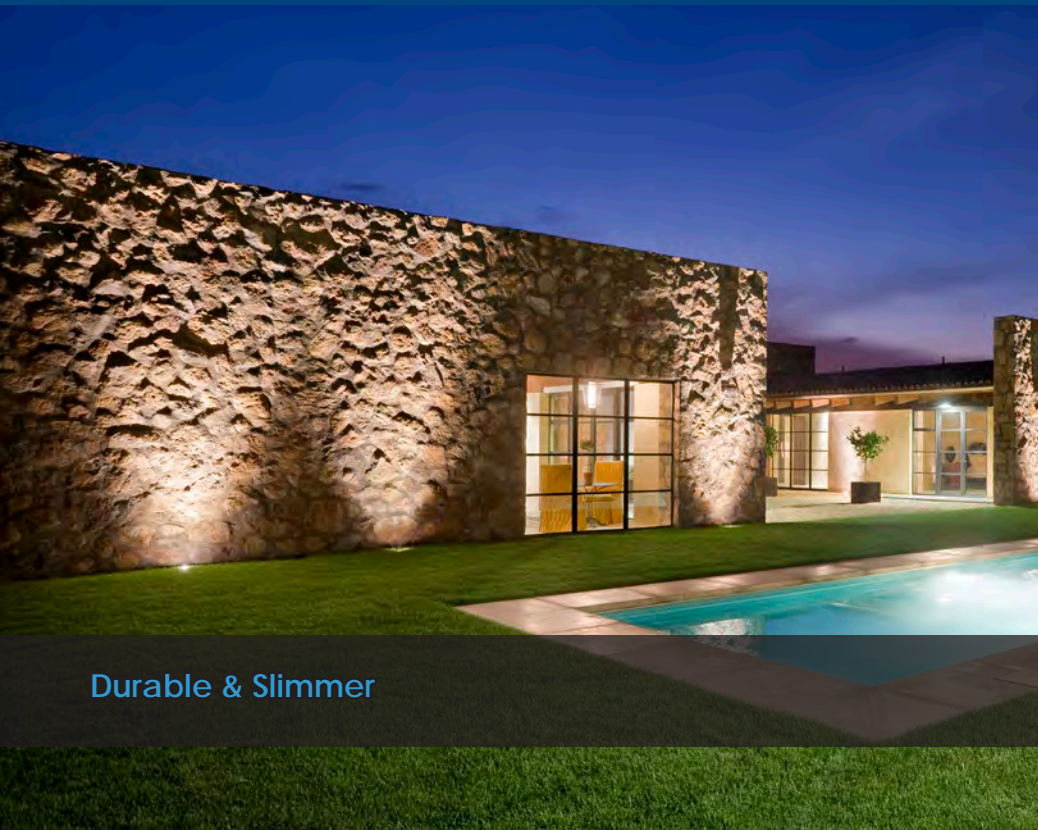


3 3 Y E A R S

S T E E L W I N D O W S & D O O R S







**Durable & Slimmer**



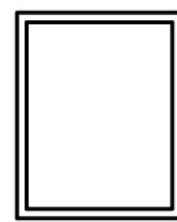
## Window and Door Systems

Thermally  
&  
Non-Thermally Broken

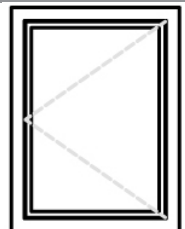
### Features:

- Cold-Rolled Steel
- Flush Exterior
- Glazing up to 1 1/4"

### AVAILABLE MODELS:



FIXED



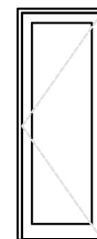
CASEMENT



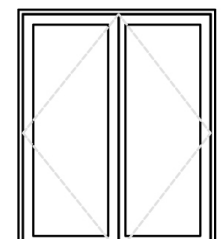
PROJECT IN



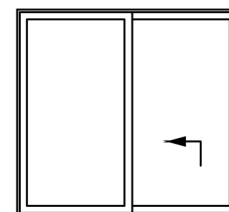
PROJECT OUT



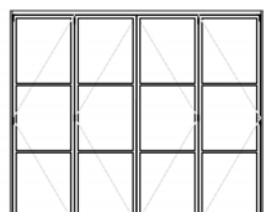
SINGLE DOOR



FRENCH DOOR



LIFT & SLIDE



BI-FOLD

**Optimum Window Manufacturing Corp.** has made its mark in the window industry as the largest and most diversified manufacturer of fire-rated windows. Over the last 16 years, the product offering has grown to include the dynamic FLEX systems. This new family of products entails 2 different series, which are:

- Flex 5500 non-thermally broken system
- Flex 6500 medium style thermally broken system

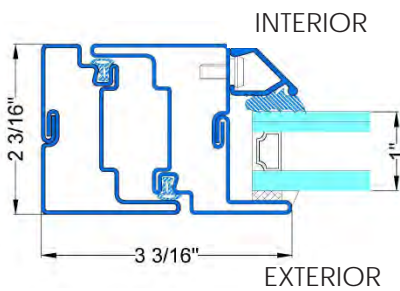
These various series can be produced in cold-rolled steel, stainless steel, Cor-Ten steel and architectural BRONZE. Through the properties of their respective materials, structural strength, and the variety of finishes, these four materials can be used by designers to achieve almost any type of project.

The process of translating the architectural vision of a project into reality is conducted by our intuitive engineering staff, that specialize in converting architectural renderings into CAD drawings. The plans are then executed using special window and door engineering software that projects the order from inception to completion on the factory floor.

Let Optimum join you in creating your next project, whether it's institutional, commercial, or high-end residential in scope or scale. Optimum is ready to become your single source for custom metal windows and doors.



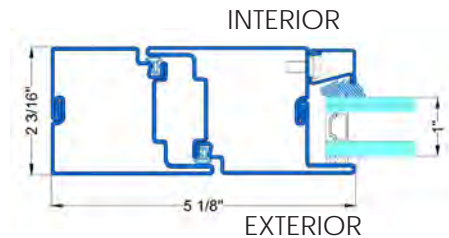
## 5500 SB Series



- Fully Welded Frame
- True Muntin Grids
- Dual Weather Stripping
- Cold-Rolled Steel
- Dual Weather Stripping
- Multi-Point Hardware (Standard)
- Reinforced Corners
- Residential Applications
- Undercoat Galvanized Steel
- Insulated Glass From 1/4" up to 1" overall thickness
- Paint (Powder Coating)
- 10 Year Paint Warranty
- Over-Sized Doors and Windows
- Available in Additional Metals (Bronze, Stainless Steel, Core-Ten)



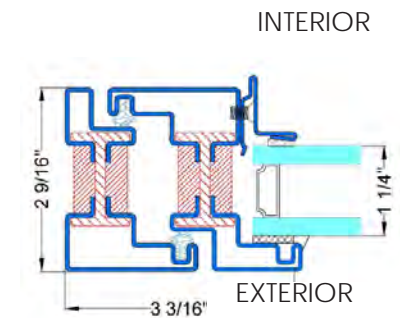
## 5500 Series



- Fully Welded Frame
- Cold-Rolled Steel
- True Muntin grids
- Dual Weather Stripping
- Multi-Point Hardware (Standard)
- Reinforced Corners
- Commercial Applications
- Undercoat Galvanized Steel
- Insulated Glass From 1/4" up to 1" overall thickness
- Paint (Powder Coating)
- 10 Year Paint Warranty
- Over-Sized Doors and Windows
- Available in Additional Metals (Bronze, Stainless Steel, Core-Ten)



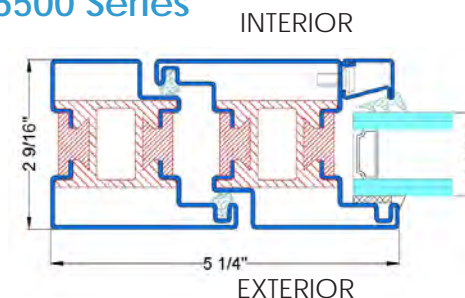
## 6500 SB Series



- Fully Welded Frame
- Cold-Rolled Steel
- True Muntin Grids
- Dual Weather Stripping
- Multi-Point Hardware (Standard)
- Reinforced Corners
- Residential Applications
- Undercoat Galvanized Steel
- Insulated Glass From 1" up to 1 5/8" overall thickness
- Paint (Powder Coating)
- 10 Year Paint Warranty
- Over-sized Doors and Windows
- Available in Additional Metals (Bronze, Stainless Steel, Core-Ten)
- Bi-Metals Capabilities



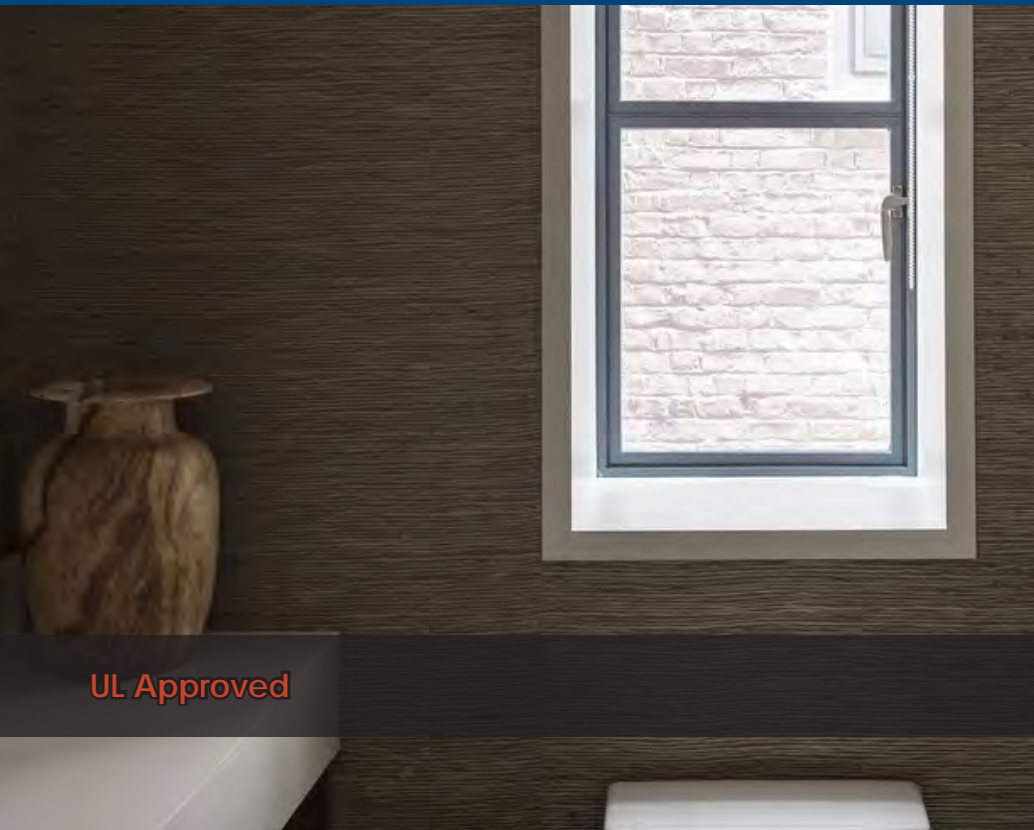
## 6500 Series



- Fully Welded Frame
- Cold-Rolled Steel
- True Muntin Grids
- Dual Weather Stripping
- Multi-Point Hardware (Standard)
- Reinforced Corners
- Commercial Applications
- Undercoat Galvanized Steel
- Insulated Glass From 1" up to 1 5/8" overall thickness
- Paint (Powder Coating)
- 10 Year Paint Warranty
- Over-Sized Doors and Windows
- Available in Additional Metals (Bronze, Stainless Steel, Core-Ten)
- Bi-Metals Capabilities







UL Approved

Optimum has **revolutionized** the construction industry by offering the most comprehensive line of steel fire-rated windows. Today, we are the largest and most efficient manufacturer in our field, with fire-ratings ranging from 45 to 60 minutes; all the way up to 90 minutes. Optimum's multiple window and door series are used in non-temperature rise applications and through the use of various glazing options, can be modified to address applications such as:

- Thermal performance (insulated glass)
- Impact resistance (Category II)
- Sound transmission
- Ballistics

All window and door series can be installed in both interior and exterior applications and are fully tested and listed by UL (Underwriters Laboratories). Optimum's fire-rated windows and doors are MEA approved for use in the City of New York.

Optimum's windows and doors are produced from 100% recycled steel. With the exception of the FR4700, the fire-rated series is galvanized and then undergoes through a rigorous 7 stage pre-treatment. They are then primed and painted with electro-statically applied powder, a process considered an environmentally friendly finishing process, with a focus on reducing waste. All units come in a variety of standard colors as well as custom options. All windows and doors are shipped completely finished (assembled, painted and glazed), reducing and/or eliminating additional labor on site.



## Window and Door Systems

Systems available  
with ratings ranging from  
45 to 90 Minutes  
Fire-Rated

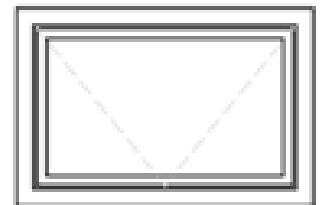
### Features:

- Cold or Hot-Rolled Steel
- Warranty on Finish up to 10 Years
- Glazing from 3/16" up to 1 1/4" in overall thickness
- Insulated glass available

### AVAILABLE MODELS:



FR6000



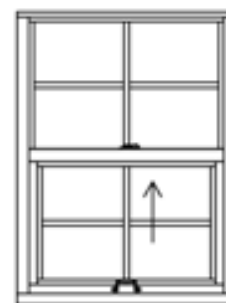
FR8600



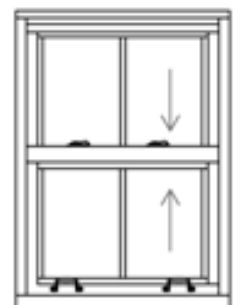
FR4700



FR7600 TSS



FR7650TSH



FR765 TDH



## FR55

Fixed Window & Door

- Self-Closing Door
- Cold-Rolled Steel
- UL Approved Windows & Doors

Spec. Summary:  
Ratings up to 1 1/2 hours  
Glazing up to 1 1/4" OA thick  
Max door dim. 46" x 98"



## FR4700

Casement Window

- Self-Closing casement
- Hot-Rolled Steel
- UL Approved Windows & Doors

Spec. Summary:  
Ratings up to 3/4 hour  
Glazing up to 1" OA thick  
Max casement dim : 36" x 60"



## FR6000/ FR55

Fixed Window

- Self-Closing Door
- Cold-Rolled Steel
- UL Approved Windows & Doors

Spec. Summary:  
Ratings up to 3/4 hour  
Glazing up to 1 1/4" OA thick  
Max fixed dim. 60" x 120"



## FR7650TDH

Double Hung Window

- Self-Closing Double Hung
- Cold-Rolled Steel
- UL Approved Window
- Certified for NY Schools

Spec. Summary:  
Ratings up to 1 1/2 hours  
Glazing up to 3/4" OA thick  
Max window dim. 56" x 120"



## FR8600

Projecting Window

- Self-Closing out/ in
- Cold-Rolled Steel
- UL Approved window

Spec. Summary:  
Ratings up to 3/4 hour  
Glazing up to 1 1/4" OA thick  
Max door dim. 66" x 126"  
Max frame dim. 66" x 48"



## FR7650TSH

Single Hung Window

- Self-Closing Door
- Cold-Rolled Steel
- UL Approved Windows & Doors

Spec. Summary:  
Ratings up to 1 1/2 hours  
Glazing up to 3/4" OA thick  
Max Window dim. 66" x 126"  
for up to 3/4 hour rating  
Max window dim. 56" x 120"



## FR7600TSS

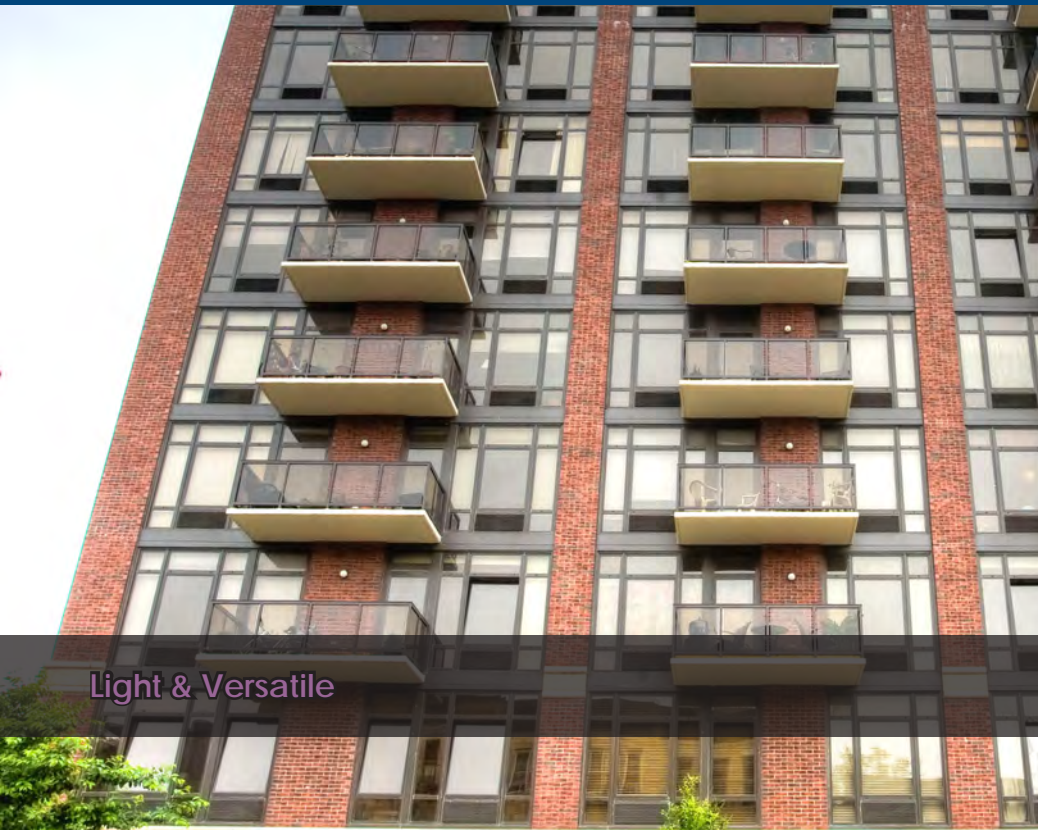
Sliding Window

- Self-Closing sliding
- Cold-Rolled Steel
- UL Approved Window

Spec. Summary:  
Ratings up to 3/4 hour  
Glazing up to 3/4" OA thick  
Max frame dim. 72" x 72"







Light & Versatile



## Window and Door Systems

Powder-Coated  
Aluminum

### Features:

- Tilt & Turn
- Aluminum
- Up to 1" Insulated Glass

## AVAILABLE MODELS:

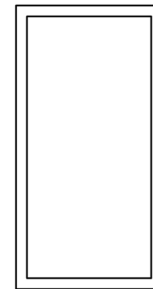
For over 16 years, Optimum Window has been manufacturing custom tilt and turn windows and terrace doors. We have been committed to utilizing the latest in thermal technologies, such as insulating struts; commonly known as a thermal break. As energy costs continue to rise, thermal performance is more important than ever. It remains equally important to maintain structural integrity and the architect's aesthetic vision. As such, the struts utilized provide more thermal, structural and aesthetic benefits than any other thermal break system, delivering unmatched flexibility for system design.

For its fabrication, Optimum uses its new machining center to create the necessary holes and slots required for different types of hardware. All of our units are meticulously and proudly produced in the USA.

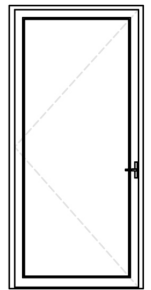
Our continued focus on custom hardware applications and our ability to offer custom powder coatings keeps our products at the forefront of their industries.

Optimum is persistent in its efforts to continue our goal of being an environmentally conscious company. Just like our steel, our aluminum windows and doors are manufactured using recycled aluminum.

In addition, we solidify our commitment to the environment and the future by recycling all aluminum scrap produced.



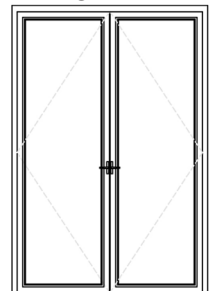
Fixed



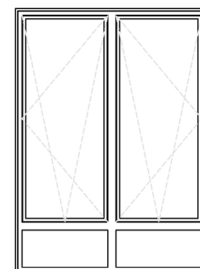
Single Door



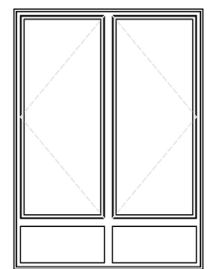
Tilt & Turn



French Door



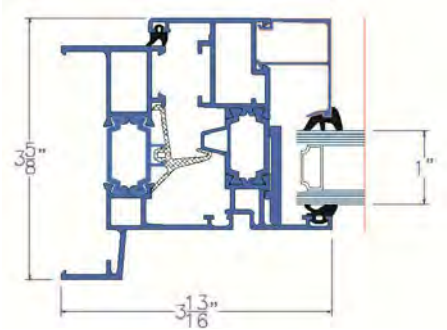
Double Tilt & Turn



Double Casement



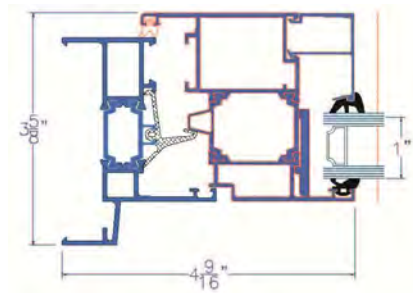
## 680 Series Window



- Thermally Broken Aluminum
- Optional hardware finish
- Custodial lock on handle
- AW 50 performance



## 680TD Series Door



- Thermally Broken Aluminum
- Dual Finish
- Optional hardware finish
- Multi-point lock

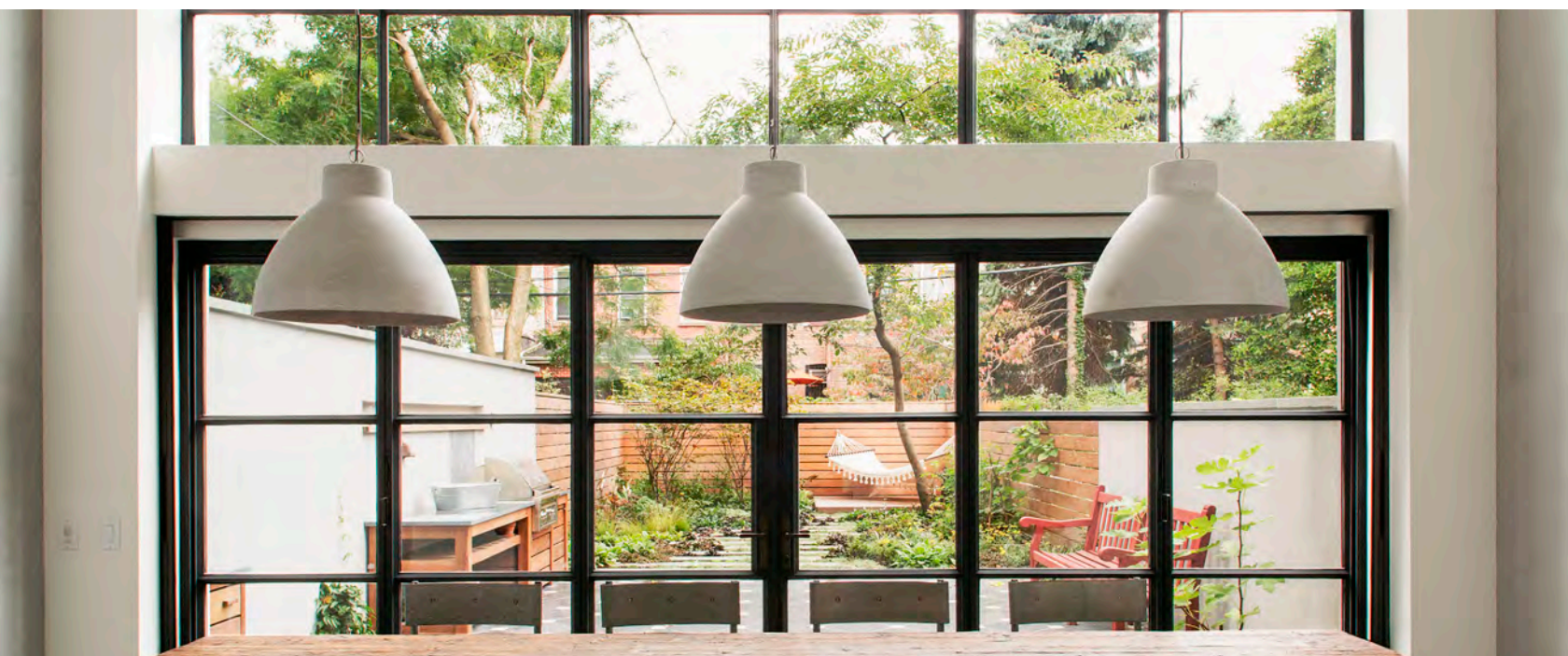






*"We were extremely pleased with the professionalism and craftsmanship of Optimum Window. The entire process was a pleasure and the finished product exceeded our high expectations...Please thank everyone for us who was involved at the company for their fine work."*

Hildie and Bill Lyddan  
WCL Properties





# news & press



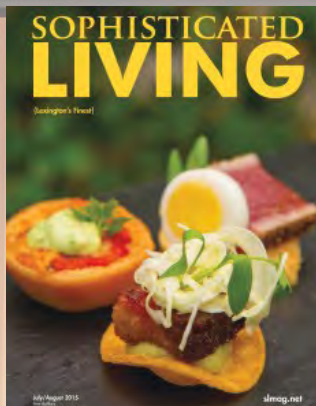
JULY/AUGUST 2017



MAY/JUNE 2017



NOVEMBER 2015



JULY 2015



Mar/Apr 2015



SEPTEMBER 2014





[www.OptimumWindow.com](http://www.OptimumWindow.com)

[sales@optimumwindow.com](mailto:sales@optimumwindow.com)

28 CANAL STREET  
ELLENVILLE, NEW YORK 12428

P: 845.647.1900 | F: 845.647.1494



contact