

Architectural Windows and Doors



Energy Innovation from the Heartland of America

Peerless
ARCHITECTURAL WINDOWS & DOORS



From The Heartland Of America

Peerless Architectural Windows and Doors, founded in Fort Scott, Kansas in 1952, is a manufacturer of high performance aluminum architectural and commercial windows for new, replacement and historical construction.

We have evolved our product development through the years to meet the custom needs of the Architectural community. The primary goal is to continually provide products offering maximum energy efficiency and superior air, water and acoustical performance. Ease of installation and maintenance is designed into every Peerless product.

The complete line of Peerless products includes—single and double hung windows, sliding windows, casement windows, projected windows, terrace and sliding glass doors and window wall. Peerless provides blast, impact, acoustical and historical products for the Education, Healthcare, Government, Hospitality, Office and Multi-Family markets.

Oronoco, Alexandria, VA



Capabilities

Peerless Products is one of the few vertically integrated window companies in North America. All aluminum profiles are designed and extruded in-house, including custom panning, trims, sills, receptors and structural mullions. We offer polyamide strips as part of a comprehensive thermal technology package. We also electrostatically paint in house architectural finishes that meet AAMA 2605 quality standards, with warranties to meet your project requirements. This vertical integration along with Lean Manufacturing, engineering and production controls in a teamwork environment allow us to produce high quality products with on time delivery to our customers.

- A. 401 Grove St. Apartments, San Francisco, CA
- B. 120 Kingston, Boston, MA
- C. Kinzie Park Tower, Chicago, IL
- D. Texas A&M Residence Hall, College Station, TX

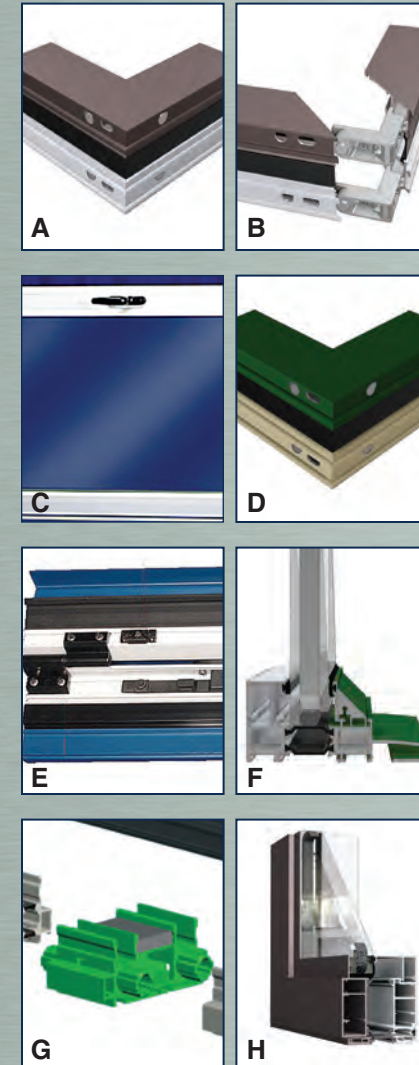
Cutting Edge Technology-ENERGSAVE

Utilizes our exclusive technology that reduces energy use through lower heat flow and reduced air leakage. The ENERGSAVE series offers U values as low as .15 — the lowest U-values available for AW-rated products in the industry. ENERGSAVE windows and doors provide architects, building owners and managers—design flexibility, Green building enrichment, lower operating costs and ease of installation.



GrandMarc, Boston, MA

The Peerless Advantage



- U values as low as .15 for increased energy efficiency — the lowest in the industry
- Unique frame design that utilizes Peerless innovative technology of lower heat flow and reduced air leakage
- A Polyamide Thermal Break System allows for a variety of frame options and enhanced performance
- Mitered Corners with no exposed edges for a clean architectural design (A)
- Adjustable Corner keys allowing miter joint to be aligned and fastened tightly (B)
- 3D extrusion modeling
- Meeting rail without fasteners that penetrate frame for superior air and water performance
- Master Frame option with multiple units for ease of installation
- Projected Window Hardware Systems that eliminate the need for Wicket Screens and provide multiple lock points and one single-action handle (C)
- Industry leading design flexibility and application innovation
- Different exterior and interior paint coatings/finishes in one unit for design flexibility (D)
- Euro-Groove hardware eliminates frame penetrations (E)
- Co-extruded panning and trim for ease of installation and an optional slide in grid (F)
- T-REX device component that makes horizontal sliding windows a truly thermally broken system (G)
- ADA 1/2" sill that meets AAMA rated 12 pound water test (H)
- Blast windows that need anchoring at only the Head and Sill for reduced field labor and costs
- Stringent Quality Control Standard Operating Procedures that include daily audits
- Dry glazed product design for ease of maintenance

Johnson & Wales University
Triangolo Hall, Denver, CO



HURRICANE Impact-Resistant Products

Added Protection with Peerless Hurricane Impact Products

Hurricanes can devastate an area with injuries, loss of lives, building damage and destroyed land. Hurricanes have caused more than 230 billion dollars worth of damage in the USA since 2001. Impact Resistant Windows and Doors can provide added protection during the severest winds, storms and hurricanes.

Peerless offers a wide variety of Hurricane Products to meet the growing demand for high performing Impact windows and doors. Our Hurricane Resistant products meet the stringent AAMA 506 specifications including — ASTM 1996 and 1886 for large missile impact requirements. Peerless products are also approved for statewide use in Florida. Peerless Hurricane products also meet the Texas Department of Insurance regulations. Additionally, many of our products are tested as Hurricane Blast products — to meet the needs of Coastal Blast Projects.



A. *Hilton Garden Inn, Tampa, FL*
 B. *Homewood Suites, Tampa, FL*
 C. *Holiday Inn Hotel and Suites, Tallahassee, FL*



*Somerset Condo
Hilton Head, SC*

Peerless **BLAST** Windows — Designed For The Toughest Challenges

Peerless Architectural Windows and Doors is one of the most trusted sources for Blast Resistant Window and Door products in the industry. Peerless products are developed and tested to the most stringent Blast requirements — and additionally offer the lowest U values in the industry.

Energy Efficient and Blast

Peerless offers the Aluminum Architectural rated Blast series, which meets DoD UFC 4-010-01 and can achieve U values as low as .15 — unequalled in the industry. Peerless Blast products are anchored inward to allow the product to flex thereby absorbing energy and preventing transfer to the wall for increased structural integrity. The unit is also anchored at only the Head and Sill, which reduces field labor and costly installation mistakes. Peerless offers innovative framing options that allow increased absorption and can drastically reduce the total number of field anchors required for installation. Installation is simplified with Integral blast trim and the option of pre-drilled installation screw holes. This simplified installation provides a substantial labor savings. All Peerless Blast products are shock tube tested for added durability and reliability.



A. *Camp Pendleton, CA*
 B. *Fort Belvoir, VA*
 C. *Fort Bliss, TX*
 D. *Fort McPherson, GA*

Historic **TIMELESS** – ENERGSERVE

AW Window Series

The Peerless ENERGSERVE TIMELESS Historic Series features narrower sightlines that match both wood and steel replacement applications. The innovative historic window offers co-extruded panning for ease of installation and an optional slide in grid that is cost effective, eliminates potential leak spots and minimizes sightlines. The exterior plus internal plus interior 3-part grid system has been designed to maintain the historical integrity of the building.

The Peerless Historic grid system is designed to avoid touching the glass to prevent compromising the total thermal performance of the window unit. This system allows for the slide-in grid framing to be completely mitered-giving the historic design a very clean appearance. The interior trim is positioned to hide the exposed fasteners for a greater aesthetic appeal. The ENERGSERVE TIMELESS Historic Series offers a full line of scrolled panning and trim to closely match exterior profiles along with diverse selection of exterior, between glass and interior grids.



TRT Project,
Dallas, TX

Background photo:
Con Edison Substation, Mott Haven, NY, NY




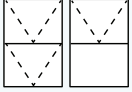


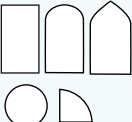





ACOUSTICAL Abatement Products

Peerless acoustical abatement products are used for multi-family and commercial applications near airports, railways, high traffic areas and buildings with reduced noise requirements. Common commercial uses include hotels, downtown multi-family structures, hospitals and office buildings. Peerless high performing ENERGSERVE products are ideal for acoustical abatement applications with STC ranges of 30-50.



Above - Waltham Watch Factory, Waltham, MA
Left - Byers Junior High School, Denver, CO

PRODUCT Selection Guide

ENERGYSAVE	Model No.	Frame Depth	AAMA Rating	Water Resistance (PSF)	U-Value Range	STC Range	Security	
							Blast	Hurricane
Project Out								
	G201	3-1/4"	AW 100	15	0.363	27-35	Y	Y
	G301	3-1/4"	AW 100	15	0.334	27-35	Y	Y
	G501	4-1/4"	AW 100	15	0.237	27-35	Y	Y
	G601	3-1/4"	AW100	15	0.392	27-35	A	A
Project In								
	G211	3-1/4"	AW 100	15	0.375	27-35	A	A
	G311	3-1/4"	AW 100	15	0.346	27-40	A	A
	G511	4-1/4"	AW 100	15	0.19	27-43	N	N
	G611	3-1/4"	AW100	15	0.343	27-35	A	A
Casement								
	G251/61	3-1/4"	AW 100/AW 80	15	0.363/0.349	27-35	Y	Y/A
	G351/61	3-1/4"	AW 100/ AW 80	15	0.334/0.326	27-46/27-40	Y/A	Y/A
	G551/61	4-1/4"	AW 100/AW 80	15	0.237/0.176	27-46	Y/A	Y/A
	G651/61	3-1/4"	AW90/AW100	15	0.392/0.343	27-35	A	Y/A
Dual Action								
	G2T1	3-1/4"	AW 60/80	15	0.327	27-35	Y	A
	G3T1	3-1/4"	AW 60/80	15	0.309	27-40	Y	A
	G5T1	4-1/4"	AW 60/80	15	0.16	27-40	Y	A
Fixed								
	G241	3-1/4"	AW 70	15	0.309	27-40	Y	Y
	G341	3-1/4"	AW 70	15	0.30	27-36	Y	Y
	G541	4-1/4"	AW 70	15	0.15	27-36	Y	Y
	G641	3-1/4"	AW70	15	0.304	27-35	Y	Y
Single Hung								
	GSH3	3-1/4"	AW 50	10	0.347	34-40	Y	Y
	GSH5	4-1/4"	AW 50	10	0.28	34-43	Y	Y
	GSH6	3-1/4"	AW 50	12	0.383	27-37	A	A
Double Hung								
	GDH3	3-1/4"	AW 50	10	0.355	33-38	A	A
	GDH5	4-1/4"	AW 50	10	0.299	33-41	A	A
Horiz. Slider								
	GSL2	4-1/4"	AW 80	12	0.349	35-40	Y	A
Sliding Door								
	GSD2	4-1/4"	AW 40	12	0.331	35-40	A	Y
Terrace Door								
	GTD2	3-1/4"	AW 100	12	0.365	27-35	A	Y
	GTD3	3-1/4"	AW 100	12	0.358	27-35	A	Y
	GTD5	4-1/4"	AW 100	12	0.305	27-35	A	A

NOTES:
All thermal tests performed with 1" insulated glass consisting of 1/4" Softcoat Low-E (#2) / Argon with TGI Spacer / 1/4" Clear annealed (Except the G500 Series. Contact us for the glass make up for this series). All thermal tests performed using in-house software recognized by NFRC. Peerless windows are tested to AAMA A440-08.

03-04-16R



Prince Frederick, College Park, MD

Preserving the Future Through Innovation

Peerless has taken a leadership position in architectural window and door innovation. Aluminum products that enrich and enhance the Green attributes of building design and renovation have been at the core of the Peerless Research and Development process. Peerless products offer the lowest U values in the industry—in addition to superior air, water and acoustical performance. Peerless Architectural Windows and Doors will continue to evolve products that satisfy and exceed the ever-changing codes and market requirements.

The ENERGYSAVE Series has been designed for strength and unmatched energy efficiency. The architect is provided with design flexibility including—narrower sightlines, hundreds of size, configuration and muntin possibilities, different interior and exterior paint and finish options and green enhancements. The Building Owner is offered heightened security features and lower maintenance requirements. The ENERGYSAVE Series is ideal for installers because of the ease of installation due to reduced parts and pieces, flange and master frame design options and labor reduction. ENERGYSAVE products have been designed for the most stringent codes of tomorrow and the toughest challenges of today.

Ever Peerless...Ever Green



The Victor, Boston, MA



VA Butler Healthcare, Butler, PA



450 K Street, Washington DC



Hilton Garden Inn, Washington DC



701 2nd St., Minneapolis, MN



Fiori at Vitruvian Park, Addison, TX



Westchester Courthouse, White Plains, NY



Hotel Indigo, NY, NY



Sheraton Tribeca Hotel, NY, NY

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