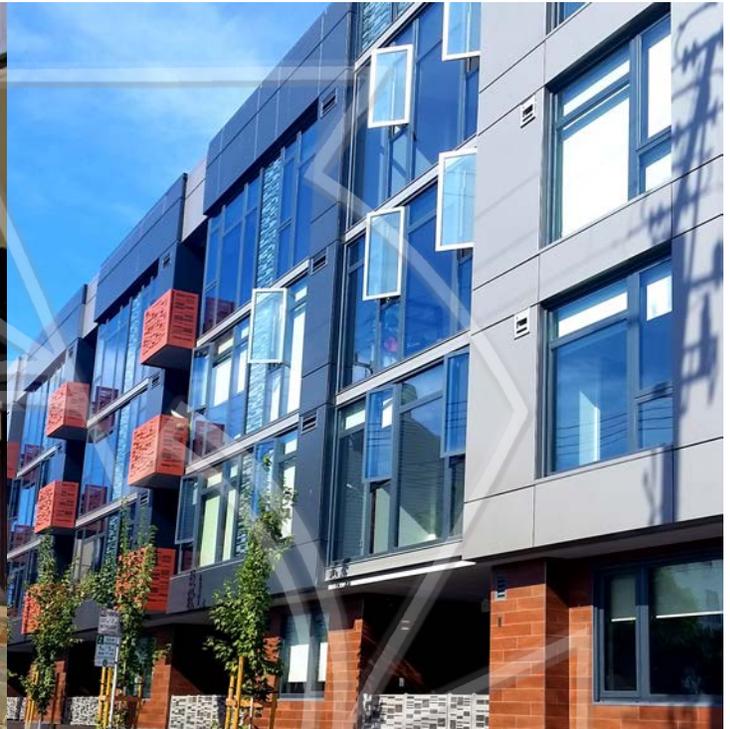


U-Series Windows



Polyamide Thermal Strut Casement and Projected Windows for Retrofit and New Construction



(top) Highview Towers, Washington, DC - Series 800, 810, 525 and 550, Creme
(bottom) 3 Tree Flats, Washington, DC - Series 800, 825, 850, 526C, Black

(top) 923 Folsom Street, San Francisco, CA - Series 800U, 850U, 1400F, 1401F, 1450, Cosmic Gray
(bottom) Legacy on the Lake, Austin, TX - Series 835 and 850, Sandstone

The U series blends the strength and proven structural performance of our classic thermal barrier aluminum windows with technologically advanced polyamide thermal struts.

Integrated throughout the frame and sash, this new system enables these windows to achieve the required performance for your project.



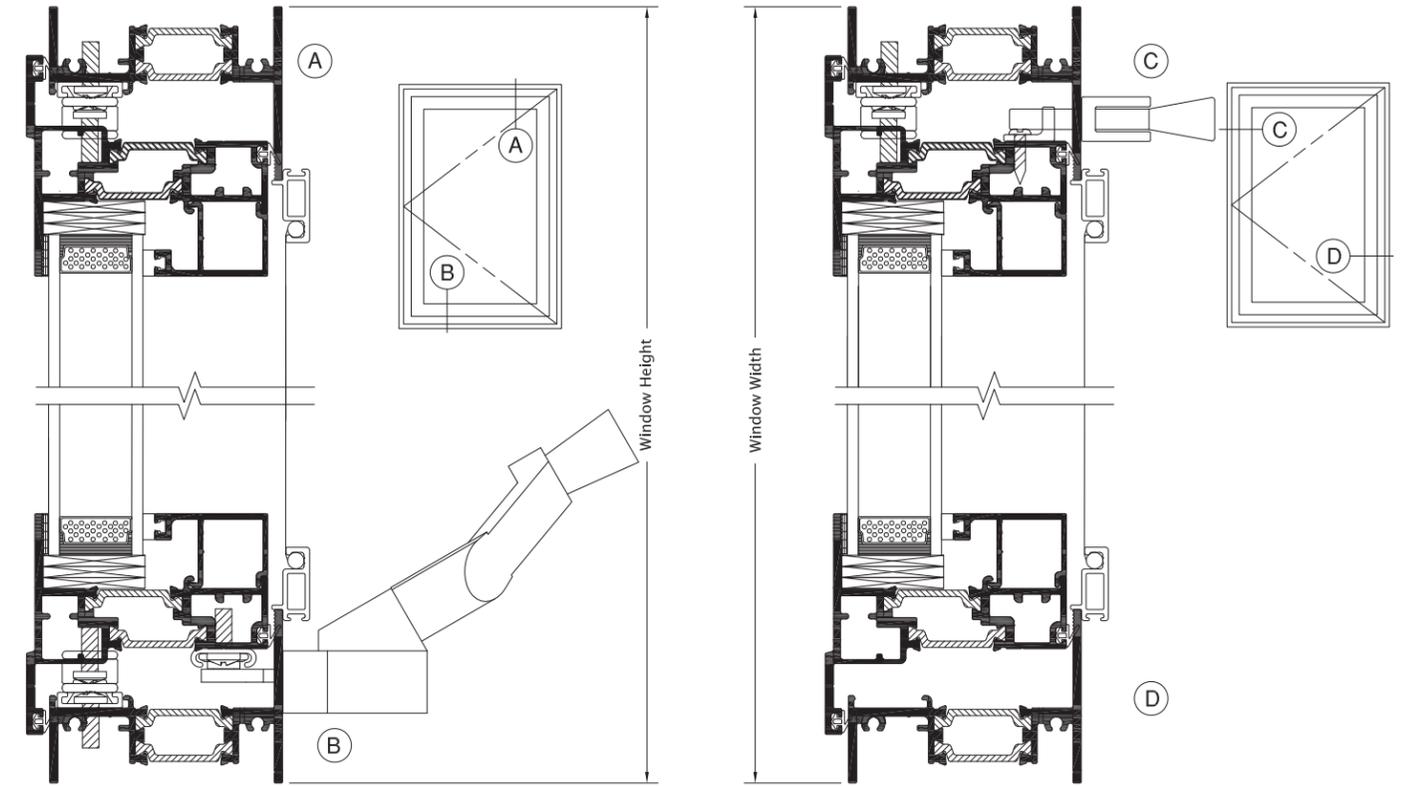
Standard Features

- Custom Sizes
- Integral Polyamide Strut Thermal Barrier throughout frame and sash
- AAMA 2604 organic powder coat finish
- 5 standard powder coat finish colors
- Tested to AAMA specifications
- 2⁵/₈" Frame Depth
- 1" Insulated glass
- Extruded screen frame with fiberglass mesh

Available Options

- Dual seal insulated glass
- Anodized finishes
- AAMA 2605 high-performance finishes
- Tier 2 colors (minimums apply)
- Hundreds of special colors
- Low-E glass; tinted glass; obscure (frosted) glass
- Spandrel glass; insulating panels
- Open (no glass)
- Wire screen mesh
- Panning, receptor systems, snap trim, angle trim
- Internal, external and special angled mullions
- Pole operators
- Crank, manual or motorized operators
- Internal and external applied muntins
- 1¹/₆" Insulated glass (Improved sound performance)

CAD Details*



* CAD files in DWG and PDF format and specifications for most products can be downloaded from www.thermalwindows.com/cad

Polyamide thermal breaks allow us to manufacture the entire product line in dual colors.



Top view



Side view

Product Selection Guide

	Series	Description	AAMA Rating	Uniform Structural Load (psf)	Air Infiltration (cfm/sq.ft.)	Water Resistance (psf)	U-factor ¹	STC Rating	Frame Depth	Max I.G. Thickness
	800U	Single Outswing Casement ✓	AW70	105	.01	12	.45 / .38 / .33	31-41 ◊	2 ⁵ / ₈ "	1 ¹ / ₆ "
	825U	Projected (Awning) ✓	AW80	120	.01	12	.46 / .39 / .33	31-41 ◊	2 ⁵ / ₈ "	1 ¹ / ₆ "
	835U	Projected (Hopper)	AW80	120	.01	12	.46 / .39 / .33	31-41 ◊	2 ⁵ / ₈ "	1 ¹ / ₆ "
	850U	Fixed ✓	AW75	112.5	.01	12	.37 / .26 / .20	32-40 ◊	2 ⁵ / ₈ "	1 ¹ / ₆ "

¹ NFRC 100 simulation results from certified testing labs. First u-factor: Low-E / Clear insulated glass, aluminum spacer, no argon. Second u-factor: Low-E on two surfaces with warm-edge spacer and argon. Third u-factor: Low-E / Clear / Low-E triple-glazed unit with warm-edge spacer and argon.

Many glazing combinations are available. Call our Contract Sales department at (800) 259-7580 for specific values.

AAMA 2604 Powder Coat Finishes*

Tier 1 Colors¹



White



Almond



Sandstone



Bronze

Tier 2 Colors²



Light Green



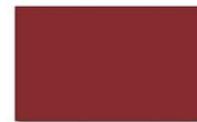
Dark Green



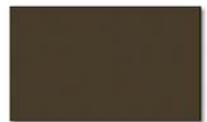
Medium Blue



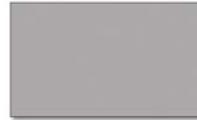
Bone White



Brick Red



Medium Bronze



Dauphin Gray



Dark Gray



Black



Crema

* AAMA 2605 finishes are also available.

Custom colors are available. Minimums apply - Contact us for details.

¹ No Minimum Volume Requirement applies to Tier 1 finishes.

² Minimum Volume Requirements Apply to Tier 2 finishes. 3,000 sq.ft. or more at standard pricing. Smaller quantities are available at an additional cost.

Hardware and vinyl colors are subject to manufacturer specifications. Colors shown are for general information only. It cannot be assumed that final finishes will match these examples.

About Thermal Windows, Inc.

Thermal Windows, Inc. is celebrating over 40 years of quality window design and production. We manufacture energy efficient aluminum windows, sliding glass doors and terrace doors for commercial and residential retrofit and new construction. Founded by Bob G. Pool in 1979, the company has grown steadily to become one of the top window manufacturers in America. Sales and manufacturing operations in Tulsa, Oklahoma occupy over 300,000 sq.ft. There are company showrooms in Tulsa and Oklahoma City, as well as dealers in nearly every state.

Our in-house research, design and testing programs provide continuous quality assurance. Our testing equipment is calibrated by a certified AAMA laboratory. All testing is conducted by certified AAMA technicians. In manufacturing, we monitor quality in our powder coat, debridging and insulating glass facilities to maintain a high degree of control over critical areas of window production. Our insulating glass line consistently provides Class "A" certification I.G. units.

In addition to our commitment to testing and upgrading existing products, we continue to design new products to meet the fenestration needs of the residential, commercial and heavy commercial markets.



Corporate headquarters, manufacturing plant and showroom in Tulsa, Oklahoma



Our central location allows us to ship economically throughout the U.S.A.



Scan the QR code above to visit our website.

Corporate Headquarters & Manufacturing Plant

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**THERMAL
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