

Fixed Windows



Commercial Fixed Windows for Retrofit and New Construction



(top) Cameron House, Silver Spring, MD - Series 550 and 750 Silver Gray
(bottom) WinStar World Casino Hotel, Thackerville, OK - Series 750, White

(top) Parc Meridian, Washington, DC - Series 550 and 750, Light Gray and Dark Gray
(bottom) Aurora at North Bethesda Center, N. Bethesda, MD - Series 550 and 750, Graphite Gray

Product Selection Guide

Selected CAD Details*

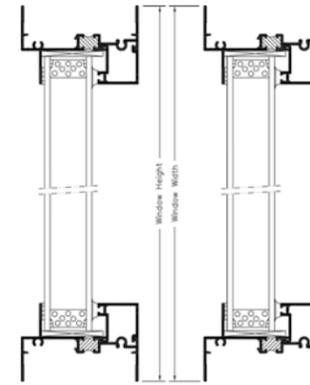
Fixed Windows

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
550	Fixed ✓ Fl.	CW80	120	<.01	12	.37 / .30 / .26	32-36	2 ⁵ / ₈ "	1" •
750	Fixed ✓	CW80 / AW80	120	.01	12	.41 / .32 / .32	31-33	3 ¹ / ₄ "	1" •
850	Fixed ✓	AW75	112.78	<.01	12.11	.41 / .31 / .28	32-41 ◊	2 ⁵ / ₈ "	1" •
1450	Terrace Door Fixed Panel	AW60	90	<.01	12	.38 / .28 / .28		3 ¹ / ₄ "	1"
4150	Fixed ✓	AW80	120	<.01	12	.42 / .32 / .32	31-33	4"	1" •
4151	SGD Transom ✓	AW80	120	<.01	12	.42 / .32 / .32	31-33	4 ³ / ₈ "	1" •

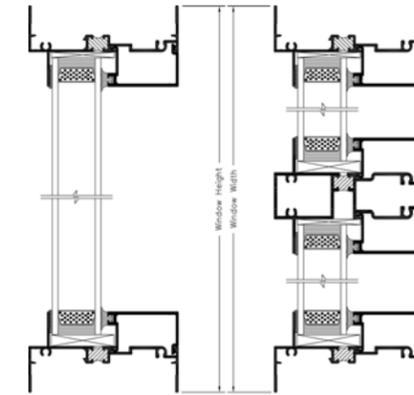
✓ Forced Entry Tested Fl. Florida approved ✕ Tests Pending ◊ Laminated glass • Single Glazed available

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-pane unit with warm-edge spacer and argon.

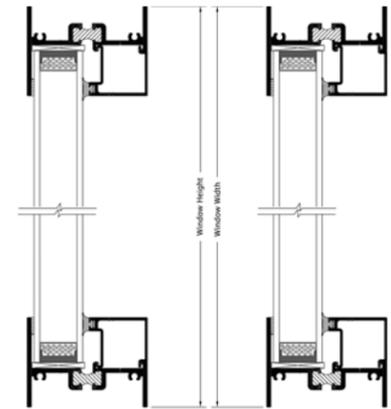
Due to the large number of glazing combinations available, please call our Contract Sales department at (800) 259-7580 for specific values.



Series 550
(Scale 1/4"=1")
2⁵/₈" frame depth



Series 755 (True D/L)
(Scale 1/4"=1")
3¹/₄" frame depth



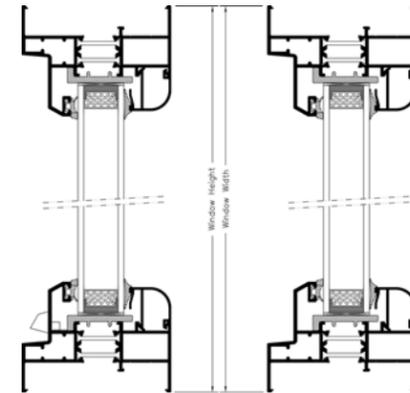
Series 850
(Scale 1/4"=1")
2⁵/₈" frame depth



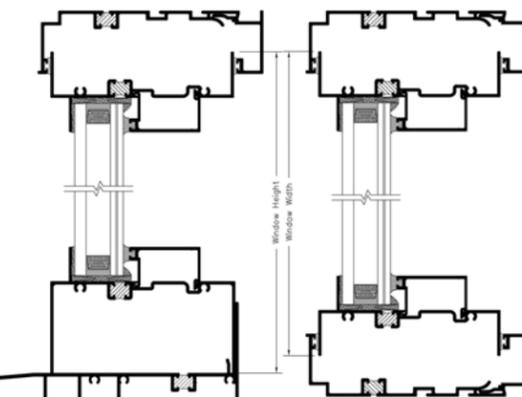
100 Eye Street – Washington, DC
Series 550, Dark Gray



Jersey & K Street – Washington, DC
Series 550, Light Gray



Series 1450
(Scale 1/4"=1")
3¹/₄" frame depth



Series 4150 (Impact)
(Scale 1/4"=1")
4" frame depth
Shown with Receptor

Anti-Terrorism / Force Protection (ATFP) Products

Series	Description	AAMA Rating	Calculated Pressures	Meets UFC 4-010-01 and ASTM F2248-03*	ASTM 1642/ GSA Protection Level	Frame Depth
750	Fixed	CW80	210 psf (max) / 1.45 psi	Yes	✕	3 ¹ / ₄ "
850	Fixed	AW75	144 psf / 1 psi	Yes	✕	2 ⁵ / ₈ "
4150	Fixed	AW80	144 & 210 psf (max) / 1 psi+	Yes	Minimal Hazard	4"

* Per UFC 19 Jan '07 / ASTM 2248-03

Hurricane / Impact Products

Series	Description	Rating / Test Size	Design Pressure (psf)	Uniform Structural Load (psf)	Water Resistance (psf)	Force Protection Qualified (UFC/ATFP)	Frame Depth	Maximum I.G. Thickness
4150	Fixed Large and Small Missile (FL state approval #13735.2)	AW80 48" x 84"	+80/-100	+120/-150	12	Yes	4"	1" •

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

AAMA 2604 Powder Coat Finishes*

Tier 1 Colors¹



White



Almond



Sandstone



Bronze

Tier 2 Colors²



Light Green



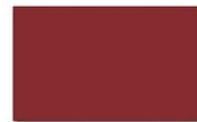
Dark Green



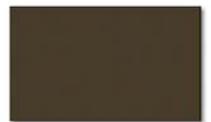
Medium Blue



Bone White



Brick Red



Medium Bronze



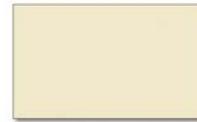
Dauphin Gray



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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