

Casement and Projected Windows



Commercial Casement and Projected Windows for Retrofit and New Construction



(top) 2001 Clarendon, Arlington, VA - Series 800, 810, 825 and 850, Pewter
(bottom) 1010 Massachusetts Ave, Washington, DC - Series 900, Black

(top) 1340 Figueroa, Los Angeles, CA - Series 825 and 850, Clear Anodized
(bottom) Yale Apartments, Washington, DC - Series 810 and 825, Super Dark Bronze

Product Selection Guide

Selected CAD Details*

Casement and Projected 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
800	Single Outswing Casement ✓	AW70	105	.05	12	.53 / .46 / .43	31-40 ◇	2 ⁵ / ₈ "	1" •
800U	Single Outswing Casement ✓	AW70	105	.04	12	.47 / .39 / .32	31-40	2 ⁵ / ₈ "	1 ³ / ₄ "
810	Dual Outswing Casement	AW70	105	.05	12	.53 / .46 / .46	31-40	2 ⁵ / ₈ "	1" •
820	Single Inswing Casement	AW80	120.3	.35	12.11	.52 / .45 / .45	31-40	2 ⁵ / ₈ "	1" •
900	Single Outswing Casement ✓	CW60	90.23	.10	12.11	.55 / .48 / .47	34	3 ¹ / ₄ "	7 ⁷ / ₈ " •
910	Dual Outswing Casement ✓	CW60	90.23	.10	12.11	.55 / .48 / .47	34	3 ¹ / ₄ "	7 ⁷ / ₈ " •
826	Projected (Awning) ✓	AW80	120.3	.01	12.11	.53 / .47 / .47	31-40 ◇	2 ⁵ / ₈ "	1" •
925	Projected (Awning)	CW60	90.23	.05	12.11	.56 / .50 / .50	34	3 ¹ / ₄ "	7 ⁷ / ₈ " •
835	Projected (Hopper) ✓	AW80	120.3	0.03	12.11	.46 / .37 / .37	31-40 ◇	2 ⁵ / ₈ "	1" •
875	Fixed over Awning ✓	AW75	112.5	<.01	12	⊘		2 ⁵ / ₈ "	1" •
885	Fixed over Hopper	⊘				⊘		2 ⁵ / ₈ "	1" •
850	Fixed ✓	AW75	112.78	<.01	12.11	.41 / .31 / .28	32-41 ◇	2 ⁵ / ₈ "	1" •

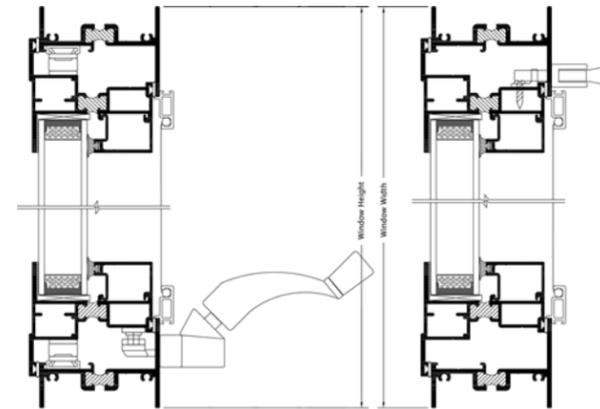
✓ Forced Entry Tested f Fair Housing sill available FL Florida approved ⊘ Tests Pending ◇ Laminated glass • Single Glazed available

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.

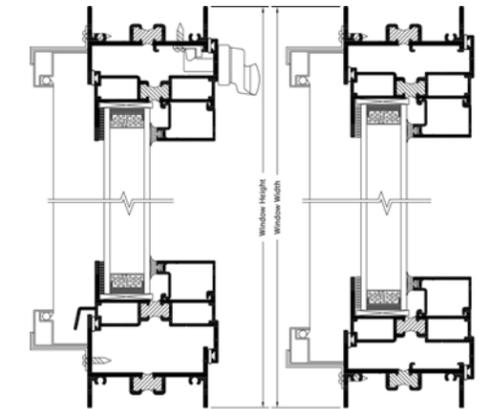
Due to the large number of glazing combinations available, please call our Contract Sales department at (800) 259-7580 for specific values.



Series 800 Single Outswing Casement
White powder coat finish



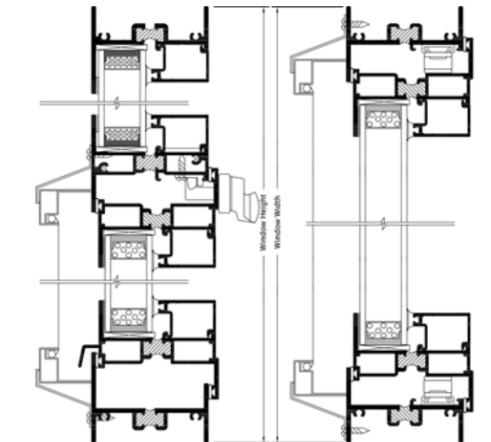
Series 800
(Scale 1/4"=1")
2⁵/₈" frame depth



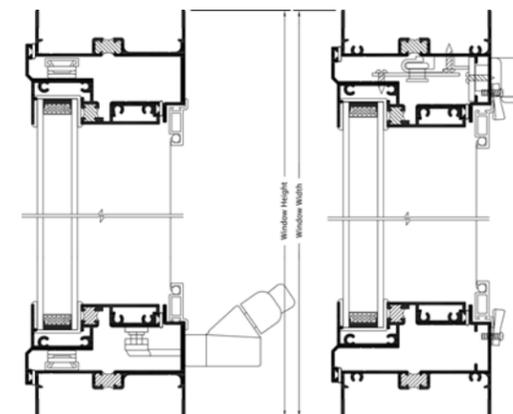
Series 835
(Scale 1/4"=1")
2⁵/₈" frame depth



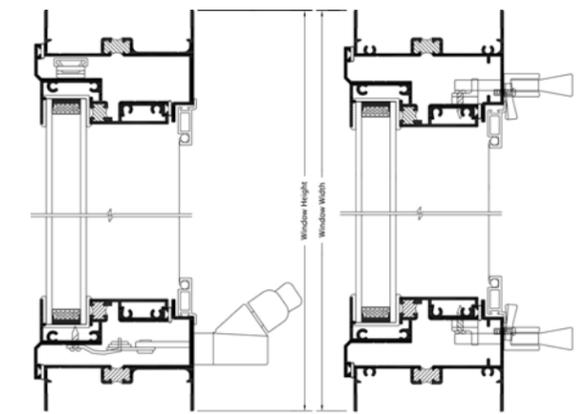
Legacy on the Lake - Austin, TX
Series 835, 850, Sandstone



Series 885
(Scale 1/4"=1")
2⁵/₈" frame depth



Series 900
(Scale 1/4"=1")
3¹/₄" frame depth



Series 925
(Scale 1/4"=1")
3¹/₄" frame depth

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
800	Single Outswing Casement	AW70	210 psf (max) / 1.45 psi	Yes	⊘	2 ⁵ / ₈ "
825	Projected (Awning)	AW80	144 psf / 1 psi	Yes	⊘	2 ⁵ / ₈ "
827	POB over POB (Dual Awning)	AW80	144 psf / 1 psi+	Yes	⊘	2 ⁵ / ₈ "
850	Fixed	AW75	144 psf / 1 psi	Yes	⊘	2 ⁵ / ₈ "
875	Fixed over POB	AW75	Project Pressures	Yes	Minimal Hazard	2 ⁵ / ₈ "

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

* 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

* 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.

Tier 2 Colors²



Light Green



Dark Green



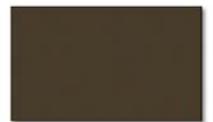
Medium Blue



Bone White



Brick Red



Medium Bronze



Dauphin Gray



Dark Gray



Black



Creme

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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