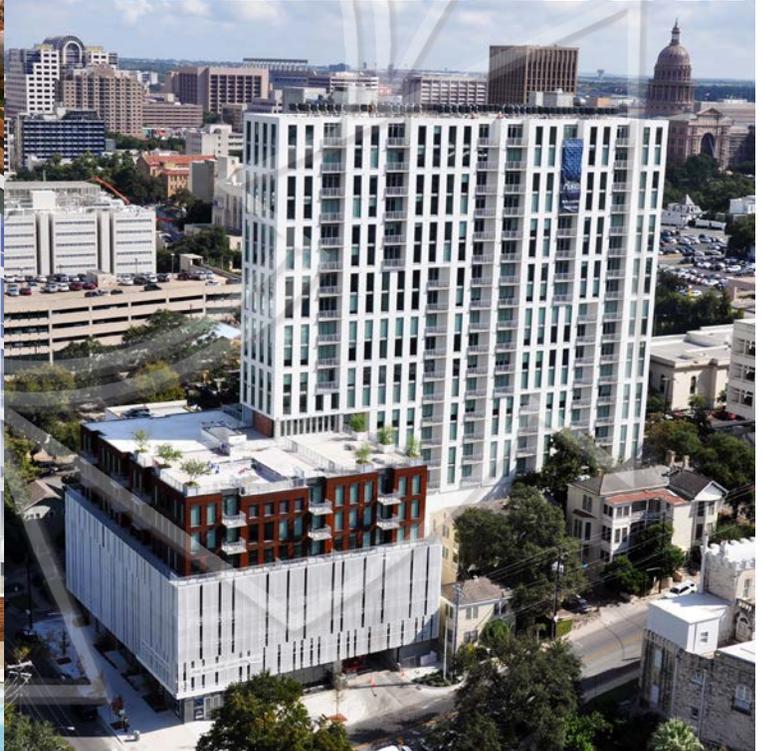


# Terrace Doors



## Commercial and Impact Rated Terrace Doors for Retrofit or New Construction



(top) Janelia Farms, Ashburn, VA - Series 1401F, Clear Anodized  
(bottom) 8th & Nueces, Austin, TX - Series 1401F and 1402F, Dove Gray and Satin Gray

(top) Eden St Apartments, Baltimore, MD - Series 1401, Essex Green  
(bottom) 8th & Nueces, Austin, TX - Series 1401F and 1402F, Dove Gray and Satin Gray

# Product Selection Guide

# Selected CAD Details\*

(Scale 1/4"=1")

## Terrace Doors

Series	Description	AAMA Rating	Uniform Structural Load (psf)	Air Infiltration (cfm/sq.ft.)	Water Resistance (psf)	U-factor <sup>1</sup>	STC Rating	Frame Depth	Max I.G. Thickness
1400F	Inswing Terrace Door <i>f</i>	AW60	90.23	<.01	12.11	.41 / .38 / .38	32-40 ◊	3 1/4"	1"
1401	Outswing Terrace Door <i>f</i>	AW60	90	<.01	12	.45 / .34 / .34	32-40	3 1/4"	1"
1401F	Outswing Terrace Door <i>f</i>	AW60	90	<.01	12	.45 / .34 / .34	32-40	3 1/4"	1"
1420	Dual Inswing Terrace Door <i>f</i>	HC40	60	.01	12	.45 / .37 / .35		3 1/4"	1"
1421F	Dual Outswing Terrace Door <i>f</i>	AW40	60	.01	12	.43 / .35 / .35	32-38	3 1/4"	1"
1422F	Dual Inswing Terrace Door <i>f</i> FL	AW40	60	.01	12	.43 / .35 / .35	32-38	3 1/4"	1"
1450	Terrace Door Fixed Panel	AW60	90	<.01	12	.38 / .28 / .28		3 1/4"	1"

✓ Forced Entry Tested   *f* Fair Housing sill available   FL Florida approved   ✕ Tests Pending   ◊ Laminated glass   • Single Glazed available

<sup>1</sup> 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.

## Hurricane / Impact Products

Series	Description	Rating / Test Size	Design Pressure (psf)	Uniform Structural Load (psf)	Water Resistance (psf)	Frame Depth	Maximum I.G. Thickness
1401	Terrace Door (Outswing) Large Missile	C50 / 42" x 96"	+80/-100	+120/-150	12	3 1/4"	1"

Series 1400 Terrace Doors are the perfect solution for balcony access in high-rise buildings where space is at a premium.

Series 1400 blends the strength and proven structural performance of 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.

Inswing and outswing models are available with single or dual operation.

Color-matched windows and slab covers allow great design flexibility.

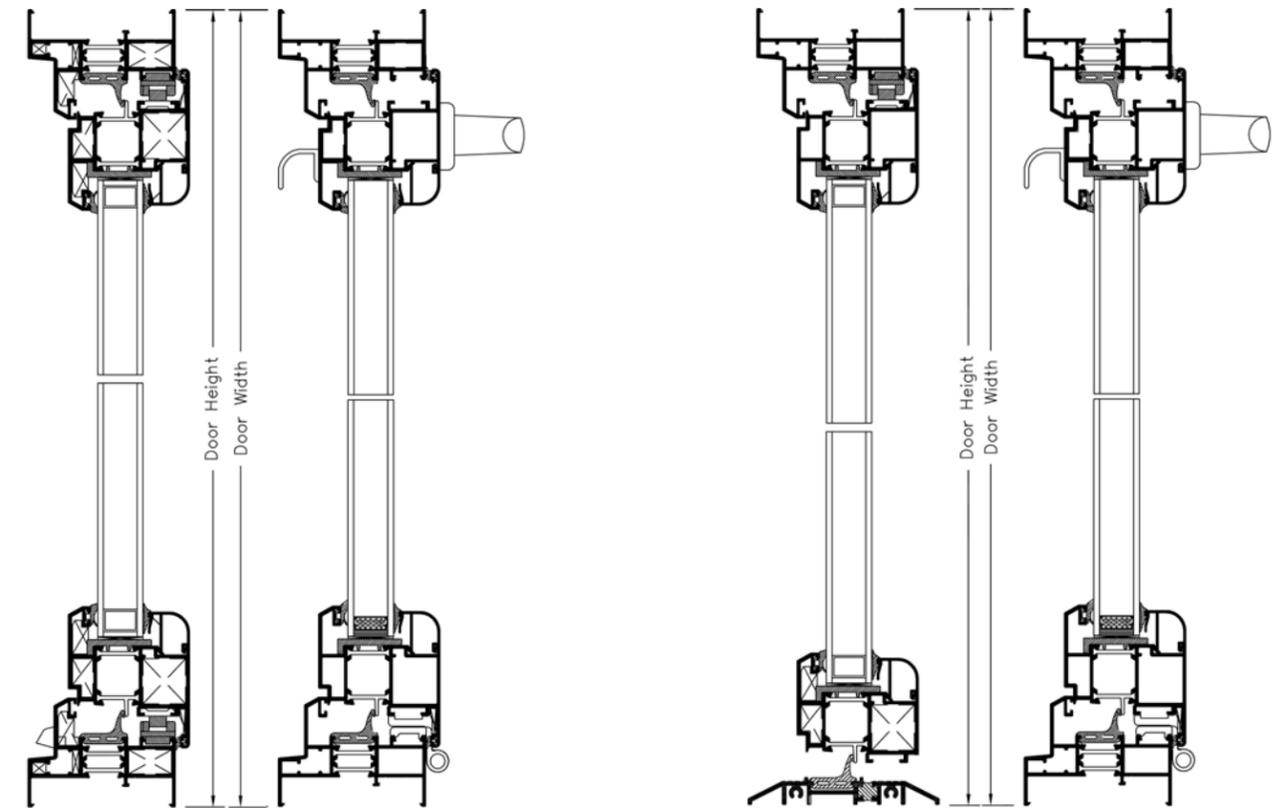


### Standard Features

- Integral Thermal Barrier throughout frame and sash
- Custom sizes
- 1" Tempered Insulated glass
- AAMA 2604 organic powder coat finish
- 5 Tier 1 standard colors
- Painted or pre-finished handles
- Multipoint locking system

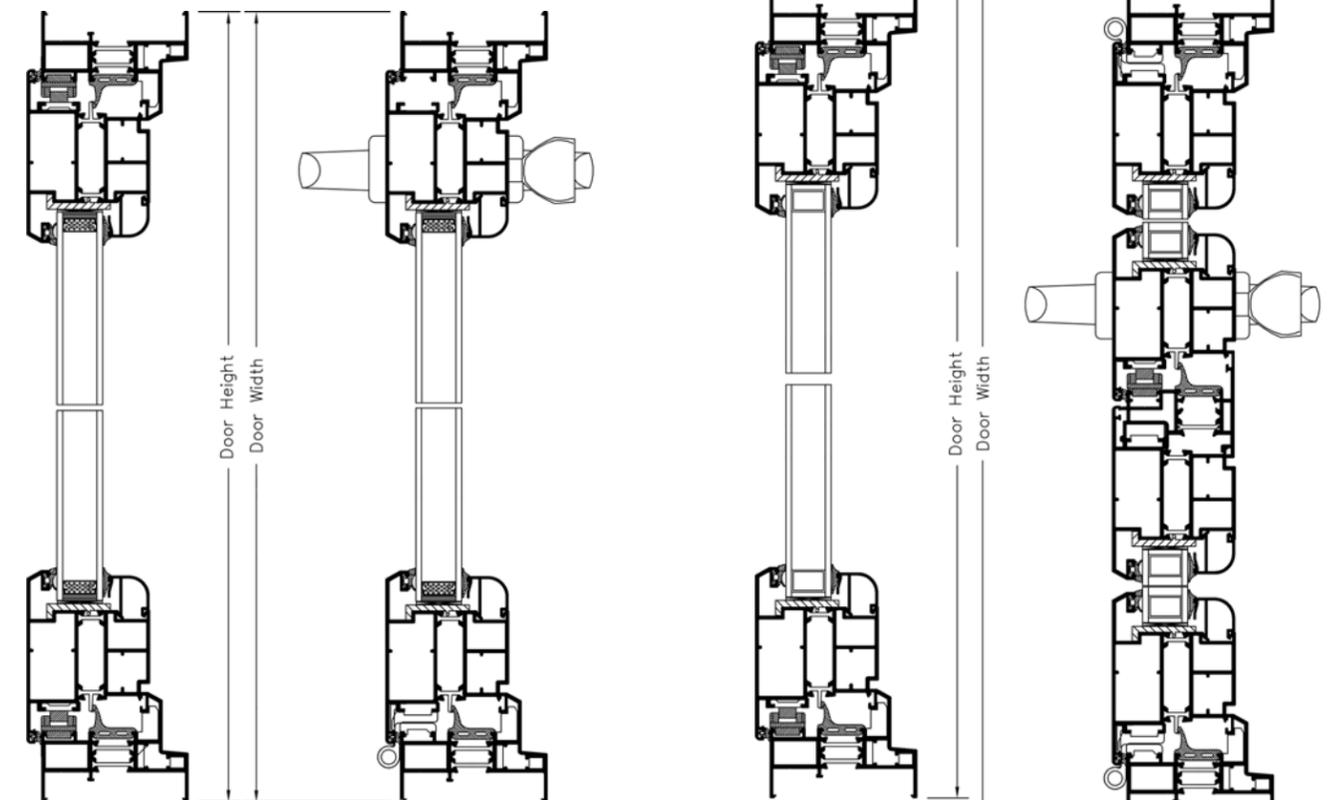
### Available Options

- Fair Housing threshold
- X, XO, OX and XX operating configurations
- 9 Tier 2 colors at no additional charge (minimums apply)
- Hundreds of special colors; Anodized finishes
- AAMA 2605 high-performance finishes
- Low-E glass; tinted glass; obscure glass
- Contoured internal muntins; External applied muntins



Series 1400 Inswing

Series 1400F Inswing



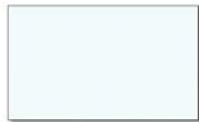
Series 1401 Outswing

Series 1421 Dual Outswing

\* CAD files in DWG and PDF format and specifications for most products can be downloaded from [www.thermalwindows.com/cad](http://www.thermalwindows.com/cad)

# AAMA 2604 Powder Coat Finishes\*

## Tier 1 Colors<sup>1</sup>



White



Almond



Sandstone



Bronze

## Tier 2 Colors<sup>2</sup>



Light Green



Dark Green



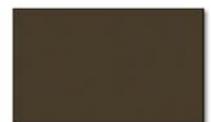
Medium Blue



Bone White



Brick Red



Medium Bronze



Dauphin Gray



Dark Gray



Black

\* AAMA 2605 finishes are also available.

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

<sup>1</sup> No Minimum Volume Requirement applies to Tier 1 finishes.

<sup>2</sup> 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.



Crema

## 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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