

# Sliding Glass Doors



# THERMAL WINDOWS

## Commercial and Impact Rated Sliding Glass Doors for Retrofit or New Construction



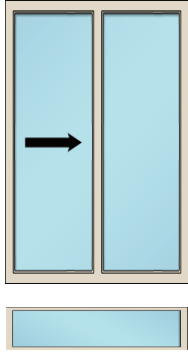
(top) View 14, Washington, DC - Series 9910, Light Gray  
(bottom) Acadia Three Metropolitan, Arlington, VA - Series 9910, Sandstone

(top) Argent Apartments, Silver Spring, MD - Series 9910, Dark Green  
(bottom) Avalon Sunset Towers, San Francisco, CA - Series 9910, Clear Anodized



# Product Selection Guide

## Sliding Glass 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 |
|----------------------------------------------------------------------------------|--------|--------------------------|-------------|-------------------------------|-------------------------------|------------------------|-----------------------|------------|-------------|--------------------|
|  | 9910   | Sliding Glass Door ✓     | CW30        | 60                            | .09                           | 7.5                    | .43 / .33 / .33       | 31         | 4⅜"         | ⅞"                 |
|                                                                                  | 9950   | Sliding Glass Door ✓ Fl. | CW50        | 75                            | .12                           | 12                     | .46 / .36 / .34       | 31-35 ◇    | 4⅜"         | 1"                 |
|                                                                                  | 9950B  | Sliding Glass Door ✓     | CW80        | 120                           | .12                           | 12                     | .46 / .36 / .34       | 31-35 ◇    | 4⅜"         | 1"                 |
|                                                                                  | 9950B5 | Sliding Glass Door ✓     | AW50        | 75                            | .16                           | 12                     | .46 / .36 / .34       | 31-35 ◇    | 4⅜"         | 1"                 |
|                                                                                  | 9950B8 | Sliding Glass Door ✓     | AW80        | 120                           | .07                           | 12                     | .46 / .36 / .34       | 31-35 ◇    | 4⅜"         | 1"                 |
|                                                                                  | 9950D  | Sliding Glass Door ✓     | CW45        | 75                            | .20                           | 7.5                    | .46 / .36 / .34       | 31-35 ◇    | 4⅜"         | 1"                 |
|                                                                                  | 4151   | SGD Transom ✓            | AW80        | 120                           | <.01                          | 12                     | .43 / .33 / .31       |            | 4⅜"         | 1" •               |

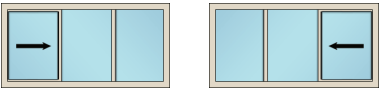
✓ Forced Entry Tested   Fl. Florida approved   ✕ Tests Pending   ◇ Laminated glass   • Single Glazed available

<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.

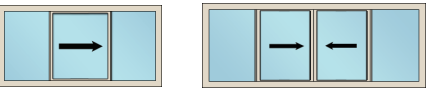
Due to the large number of glazing combinations available, please call our Contract Sales department at (800) 259-7580 for specific values.

## Hurricane / Impact Products

| Series | Description                         | Rating / Test Size | Design Pressure (psf) | Uniform Structural Load (psf) | Water Resistance (psf) | Frame Depth | Maximum I.G. Thickness |
|--------|-------------------------------------|--------------------|-----------------------|-------------------------------|------------------------|-------------|------------------------|
| 9950   | Sliding Glass Door<br>Large Missile | C50<br>85" x 97"   | +60/-60               | +90/-90                       | 12                     | 4⅜"         | 1"                     |



Most models are also available in XOO, OOX, OXO and OXXO configurations.



### Standard Features

- 4⅜" frame depth
- Integral Thermal Barrier throughout frame and sash
- AAMA 2604 organic powder coat finish
- 4 Tier 1 standard colors
- ⅞" Tempered insulated glass (1" in Series 9950)
- Extruded screen frame with fiberglass mesh

### Available Options

- Dual seal
- Hurricane-resistant glazing
- Receptor systems, snap trim
- XO, OX, OXO, OXXO and other operating configurations
- 10 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 (frosted) glass
- Handle finishes available: brass, brushed nickel and more
- Nailing fin; Flush fin
- Contoured internal muntins; External applied muntins

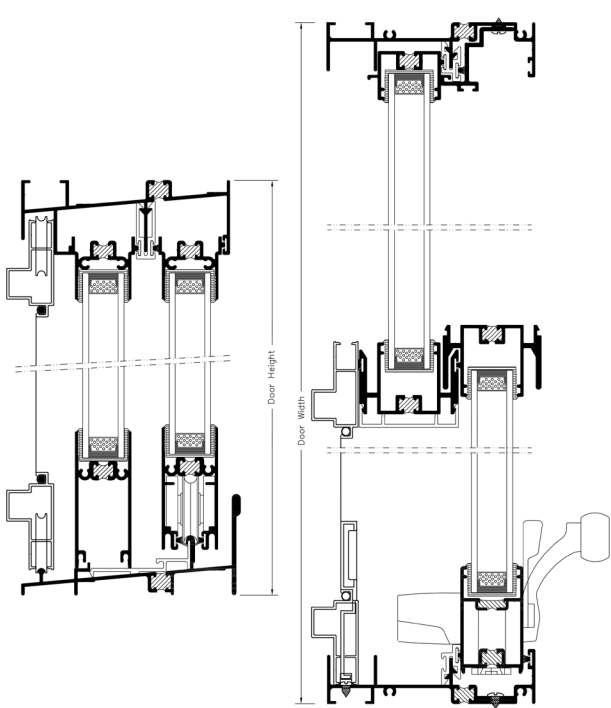


Elegant and durable hardware is available in painted finishes, as well as brass, brushed nickel and others.

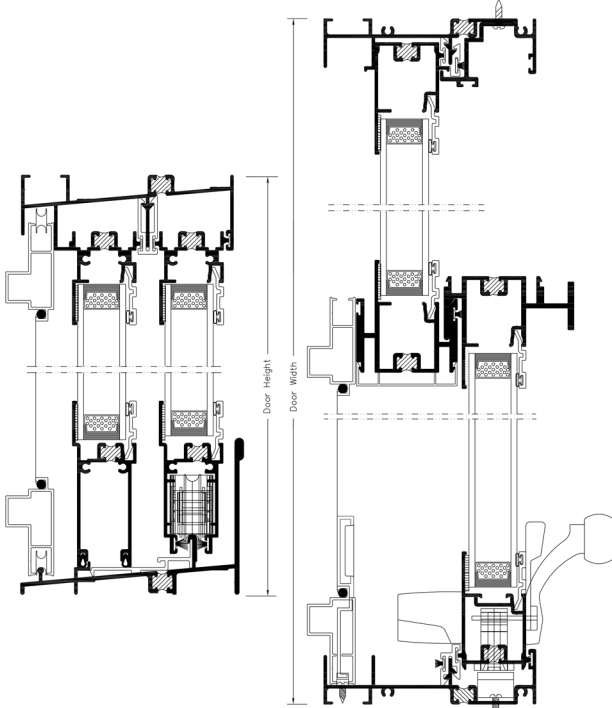


Series 9900B - Exterior  
Shown with standard bronze painted finish and black hardware.

# Selected CAD Details\*



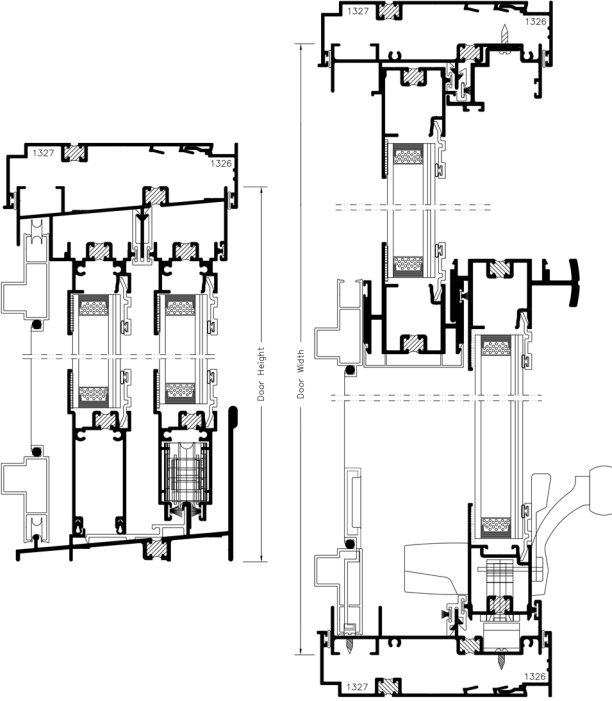
Series 9910  
(Scale ¼"=1")  
4⅜" frame depth



Series 9950  
(Scale ¼"=1")  
4⅜" frame depth



Aloft Hotel – Oklahoma City, OK  
Series 9910, Clear Anodized



Series 9950 (Impact)  
(Scale ¼"=1")  
4⅜" frame depth

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

# AAMA 2604 Powder Coat Finishes\*

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



White



Almond



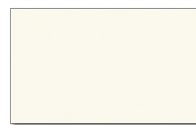
Sandstone



Bronze



Light Green



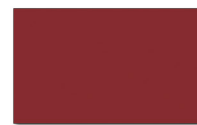
Bone White



Dauphin Gray



Dark Green



Brick Red



Dark Gray



Medium Blue



Medium Bronze



Black



Creme

\* 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.

## About Thermal Windows

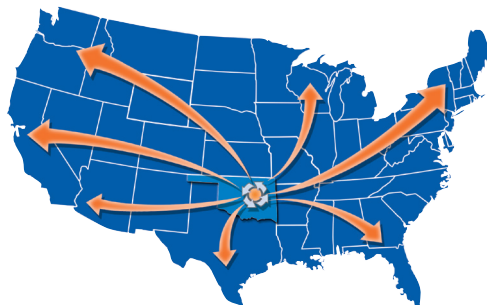
Thermal Windows is well into our fourth decade of quality window design and production. We manufacture energy efficient aluminum windows, sliding glass doors and terrace doors for commercial and residential retrofit and new construction. Founded by Bob G. Pool in 1979, the company has grown steadily 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.



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