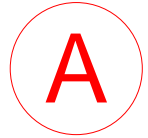




## D'HANIS CLAY PRODUCTS, INC.

311 E. NAKOMA ♦ SAN ANTONIO, TEXAS 78216  
(210) 525-8142 ♦ (800) 299-9399 ♦ FAX (210) 349-2833



### Face Brick & Dry Press Brick

July 15, 2010

### D'HANIS BLOCK

D'Hanis *Cored Architectural Face Brick* is intended for use in the construction of homes, schools, and commercial buildings where clean architectural lines and a distinctive harmonious color range is desired.

D'Hanis *Solid Dry Press Brick* has the unique patina and look of brick manufactured decades ago. It is one of the few pressed brick still manufactured in the United States today.

**SPECIFICATIONS** - D'Hanis' dry press brick, antique dry press brick and tumbled dry press brick, meet ASTM C216 (Facing Brick), Grade MW (moderate weathering), Type FBS based on usage in Texas. D'Hanis cored brick meet Grade SW. D'Hanis' brick were tested in accordance with ASTM C67 for compressive strength and absorption. Unlike most brick manufactured to C652 standards, D'Hanis brick are still manufactured to C216 specifications for coring and bed-depth, providing greater sound attenuation, greater unit compressive strength and greater resistance to water penetration.

**CHARACTERISTICS** - D'Hanis' brick is a Texas hard-fired clay product and is available in several textures and sizes including many unique designs and sizes such as zig-zag, fluted, castle, sawtooth and Roman brick. For modest quantities, D'Hanis will create a special shape or design for your project.

#### TEXTURES & SHAPES

Dry Press Brick - Smooth Patina only

Cored Brick

Smooth ♦ Wirecut ♦ Vertical Scratch

Fluted ♦ ZigZag ♦ Roman ♦ Sawtooth

#### COLORS

Natural Terra Cotta

Mocha / Tobacco Brown

Indian Red (Dry Press brick only)

Moroccan Red (Dry Press brick only)

<u>Size</u>	<u>Name of Brick</u>	<u>In wall psf</u>	<u>Nominal Size</u>	<u>Actual D-H-L</u>
Modular	Dry Press solid	6.75	4" x 2-1/4" x 8"	3-5/8" x 2-1/4" x 7-5/8"
Modular	Dry Press tumbled	6.75	4" x 2-1/4" x 8"	3-5/8" x 2-1/4" x 7-5/8"
Modular	Dry Press slurried antique	6.75	4" x 2-1/4" x 8"	3-5/8" x 2-1/4" x 7-5/8"
Modular or Shaped	3-Hole cored	6.75	4" x 2-1/4" x 8"	3-5/8" x 2-1/4" x 7-5/8"
Queen	3-Hole cored	5.30	3" x 3" x 8"	2-7/8" x 2-5/8" x 8"
Roman	Solid or cored	6.00 / 5.00	4" x 2" x 12"	3-5/8" x 1-5/8" x 11-5/8"
King	5-Hole cored	4.80	3" x 3" x 10"	3" x 2-5/8" x 9-5/8"
Shaped	5-Hole cored	4.60	3" x 3" x 12"	3 1/2" x 2-1/4" x 11-5/8"

<u>TEST DATA</u>		
<u>Test Criteria</u>	<u>Dry Press Brick</u>	<u>Cored Brick</u>
Compressive Strength	4,290 lbs psi	7,950 lbs psi
Absorption	21.2%	11.3%
Initial Rate of Absorption	34.8%	14.1%
Freeze-Thaw Test	Not tested – Not recommended	Passed
Modulus of Rupture	1,140 lbs	Not tested
Comment	Grade MW Suitable for moderate weathering	Grade SW Suitable for severe weathering



## Clay Solar Screen Tile

June 1, 2020

D'Hanis Terra Cotta clay "Solar Screen Tile" is ideal for screen walls around patios and outdoor living areas to provide privacy or to hide exterior mechanical systems that require ventilation. D'Hanis Terra Cotta Solar Screen Tiles are consistently blended with natural shading variations, do not fade or discolor, and shed oil & dust.

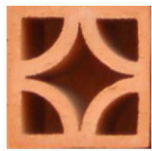
### SPECIFICATIONS

D'Hanis Solar Screen Tile is a specialty product designed for non-loading bearing walls as a screenwall for privacy or to hide mechanical systems, but to allow ventilation. D'Hanis Solar Tile meets ASTM C530-10 (*American Society for Testing & Materials for Structural Clay Nonloadbearing Screen Tile*), Grade ME, Type STA, specifications for absorption and dimensional tolerance. D'Hanis Solar Tile is not recommended in freeze-thaw climates.

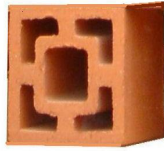
	Actual D-H-W	Nominal D-H-W	Pieces psf
Circle – Square - X	5" or 8" x 7-9/16" x 7-9/16"	5" or 8" x 8" x 8"	2.25
Solar Rectangle	5-5/8" x 5-5/8" x 9-5/8"	5-5/8" x 6" x 10"	2.40
Solar-V	5" or 8" x 4-13/16" x 11-9/16"	5" or 8" x 5-1/4" x 12"	2.30
Octagon	7-1/2" x 8" x 8"	7-1/2" x 8-3/8" x 8-3/8"	2.15
Hex	7-1/2" x 4-3/16" x 4-3/16"	7-1/2" x 4-5/8" x 4-5/8"	Dry 9.00 – Mortar 7.90

Call for availability. Special shapes available on request.

Solar Circle



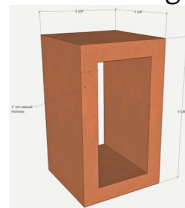
Solar Square



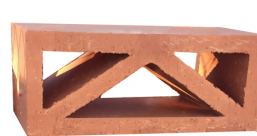
Solar X



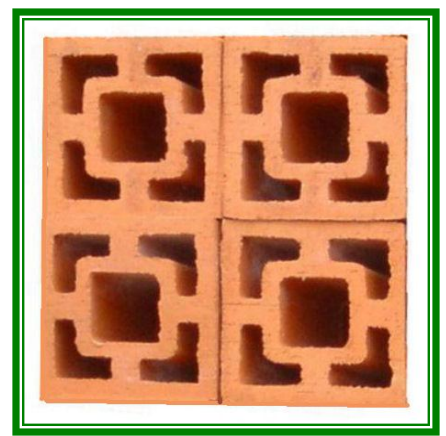
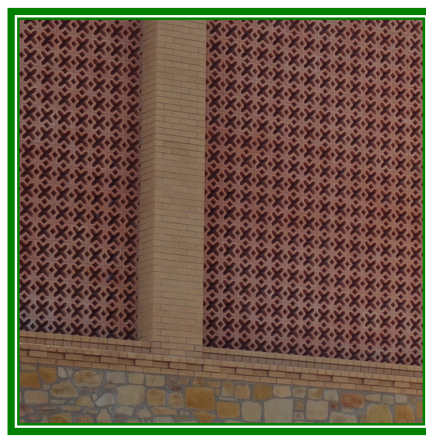
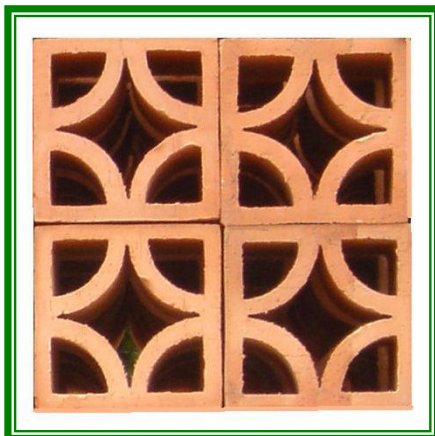
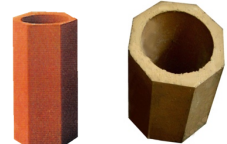
Solar Rectangle



Solar-V



Hex/Octagon Tube





# D'HANIS CLAY PRODUCTS, INC.

311 E. Nakoma ♦ San Antonio, Texas 78216  
(210) 525-8142 ♦ Fax (210) 349-2833 ♦ [www.DHanisBrickTile.Com](http://www.DHanisBrickTile.Com)



## Structural & Veneer Clay Tile

May 2020

**D'HANIS BLOCK**

D'Hanis Structural Clay Tile may be used in load-bearing or nonload-bearing interior or exterior unplastered or plastered walls and partitions of buildings. It has a variety of specialty applications for fire & humidity control in warehouses, research facilities and medical laboratories. The tile can be used for through-the-wall construction resulting in substantial labor savings when compared to layers of a CMU backup and a veneer, or CMU alone which must be maintained with periodic painting or sealing. The high thermal resistance of fired clay also reduces roof & structural shifting, roof leaks & wall cracks, and shifts peak cooling & heating loads thereby reducing energy consumption. The vibrant terra cotta peach color of D'Hanis' tile can make any project unique and attractive.

**SPECIFICATIONS** – As applicable, D'Hanis Structural Clay Tile & Veneer Tile meet or exceed **ASTM C34** (Structural Clay Load-Bearing Wall Tile), Grade LB, **ASTM C56** (Structural Clay Non-Load Bearing Tile), **ASTM C212** (Structural Clay Facing Tile) Type FTS Rough/Altered Standard Class, and **ASTM C652** (Hollow Brick) Type HBS Rough/Altered Class, tested in accordance with ASTM C67 and suitable for general use in masonry construction where not exposed to frost action. All tile including tile with a smooth texture, will be manufactured to the rough/altered standards of ASTM C212 Type FTS Rough/Altered class, and ASTM C652 Type HBS Rough/Altered class. Contact D'Hanis regarding sealing requirements where tile may be exposed to frost action. D'Hanis tile is manufactured to and will meet the requirements of **ASTM C212**, Tables 3, 4, 5, & 6 for chippage, and dimensional and distortional tolerance.

Nominal Size Depth-Ht-Length	Actual Size Depth-Ht-Length	Pcs PSF
8" x 5" x 12"	7½" x 4⅓ <sup>1</sup> / <sub>16</sub> " x 11 <sup>9</sup> / <sub>16</sub> "	2.25
8" x 4" x 12" <sup>1</sup>	7½" x 3 <sup>9</sup> / <sub>16</sub> " x 11 <sup>9</sup> / <sub>16</sub> "	3.00
8" x 8" x 12" <sup>1</sup>	7½" x 7 <sup>9</sup> / <sub>16</sub> " x 11 <sup>9</sup> / <sub>16</sub> "	1.50
8" x 12" x 12" <sup>2</sup>	7½" x 11 <sup>9</sup> / <sub>16</sub> " x 11 <sup>9</sup> / <sub>16</sub> "	1.00
ZigZag 8" x 4" x 12" <sup>1</sup>	7½" x 3 <sup>9</sup> / <sub>16</sub> " x 11 <sup>9</sup> / <sub>16</sub> "	3.00
ZigZag (or 2-side) 8 x 8 x 12" <sup>1</sup>	7½" x 7 <sup>9</sup> / <sub>16</sub> " x 11 <sup>9</sup> / <sub>16</sub> "	1.50

Nominal Size Depth-Ht-Length	Actual Size Depth-Ht-Length	Pcs PSF
4" x 4" x 12"	3½" x 3 <sup>9</sup> / <sub>16</sub> " x 11 <sup>9</sup> / <sub>16</sub> "	3.00
4" x 8" x 12"	3½" x 7 <sup>9</sup> / <sub>16</sub> " x 11 <sup>9</sup> / <sub>16</sub> "	1.50
Utility 4" x 5" x 12"	3½" x 4⅓ <sup>1</sup> / <sub>16</sub> " x 11 <sup>9</sup> / <sub>16</sub> "	2.25
Shotgun 4" x 5" x 12"	3½" x 4⅓ <sup>1</sup> / <sub>16</sub> " x 11 <sup>9</sup> / <sub>16</sub> "	2.25
Lintel 8" x 5" x 12"	7½" x 4⅓ <sup>1</sup> / <sub>16</sub> " x 11 <sup>9</sup> / <sub>16</sub> "	2.25
Lintel 8" x 8" x 12" <sup>1</sup>	7½" x 7 <sup>9</sup> / <sub>16</sub> " x 11 <sup>9</sup> / <sub>16</sub> "	1.50

Units are designed to be laid with a  $\pm \frac{3}{8}$ " to  $\frac{7}{16}$ " mortar joint. <sup>1</sup>Special production.

In addition to standard sizes, D'Hanis manufactures special shapes, sizes, and textures for commercial projects that add flare and beauty to the project.

Smooth texture is standard production. Fluted or vertical scratch textures add beautiful shadow to the wall and are available as special production.

**WARRANTY & QUALITY** – D'Hanis warrants that its structural clay tile products are free from latent defects in quality and workmanship which impair their usefulness for a period of 25 years. D'Hanis has and assumes no liability for any damage to its products resulting from incorrect installation or inappropriate use or acts of war or God. No other warranty, express or implied, shall exist in respect to D'Hanis' products and D'Hanis' liability to buyer, user, or any other person shall not exceed the purchase price of any defective products.

D'Hanis tile shall be as perfect as is practical to manufacture. The colors and shades shall be harmonious but will vary from the tile samples. The tile shall be without facial imperfections visible within a distance of fifteen feet. It shall be free from structural defects. Tile will vary in color intensity and hue from tile to tile, run to run, and within individual tile and is inherent in all natural clay products and mined clay. Minor warpage and facial imperfections are characteristic of real clay products.

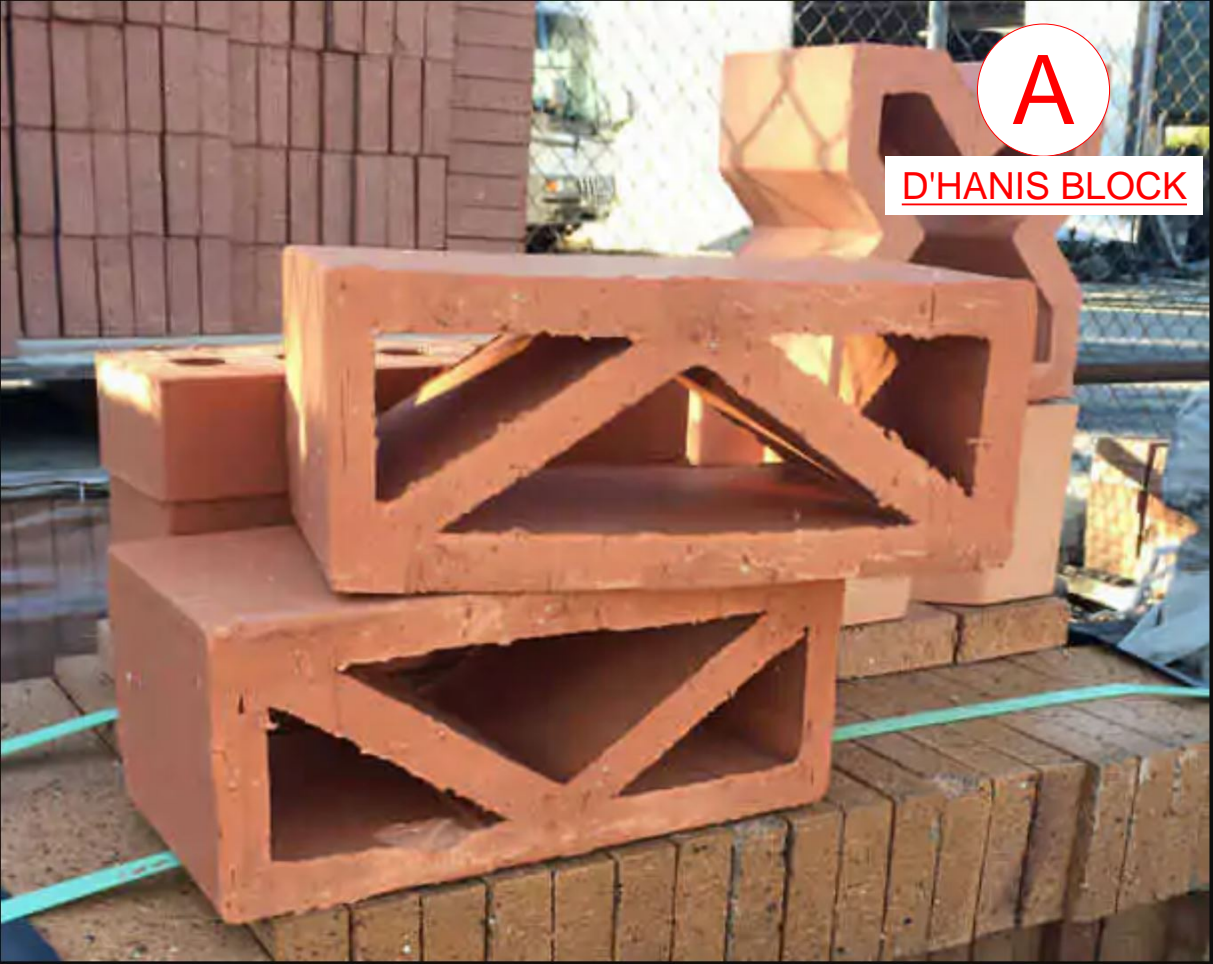






A

D'HANIS BLOCK







B

WESTERN  
SIMULATED  
STEEL  
WINDOWS

## Simulated Steel Moving Glass Walls and Windows

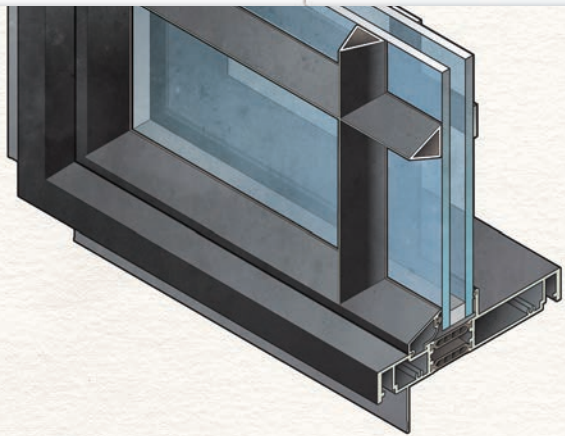




B

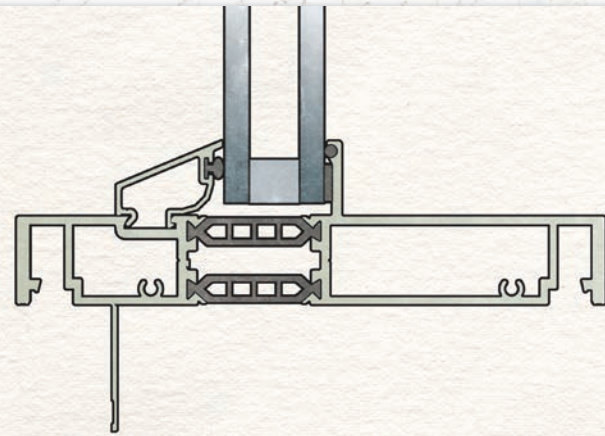
WESTERN  
SIMULATED  
STEEL  
WINDOWS

## The Features You Want, the Capabilities You Expect



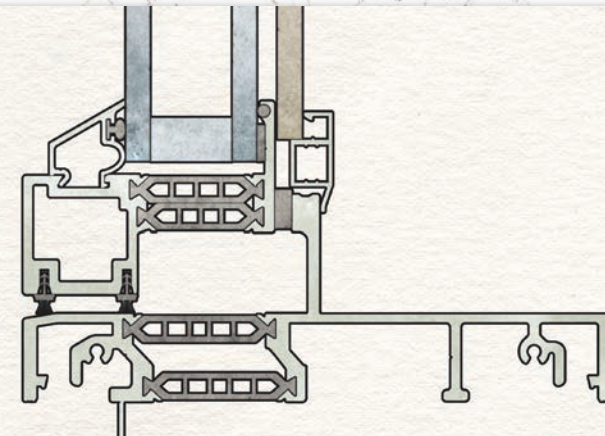
### Narrow, Clean Profiles

Decidedly design-forward, the simulated steel line is all about detail, such as beveled glass stops and .875" simulated divided lites (SDLs) designed to emulate a steel putty glaze.



### High-Performance Glass

Options from Cardinal IG include laminated glass, solar- and glare-control glass, enhanced winter performance glass, and low-maintenance glass.



### Oversized Glass

Multi-slide doors can go up to an incredible 17 feet tall. Window walls are available up to 120 square feet.



### Easy Integration

Simulated steel doors and windows easily integrate to form a unified look.



B

WESTERN  
SIMULATED  
STEEL  
WINDOWS



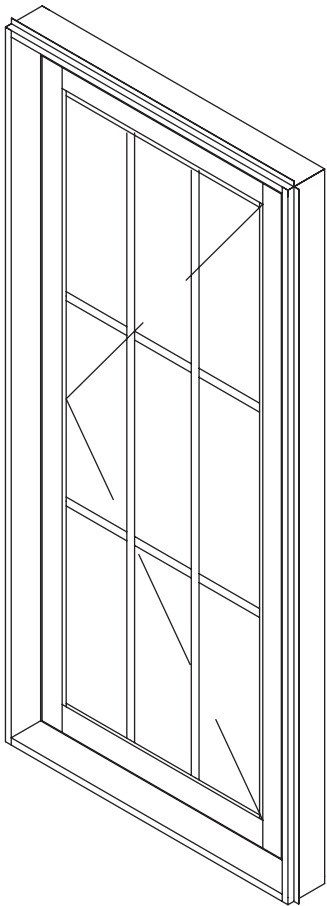
## Make a Statement on an Epic Scale

Designed around narrow sightlines, beveled glass stops, and coped muntin bars, our simulated steel line replicates the existing steel profiles used in many historic buildings, universities, and commercial projects. Thermally broken aluminum, low U-values, and superior design pressure ratings mean you have the strength and performance to bring your biggest ideas to life.



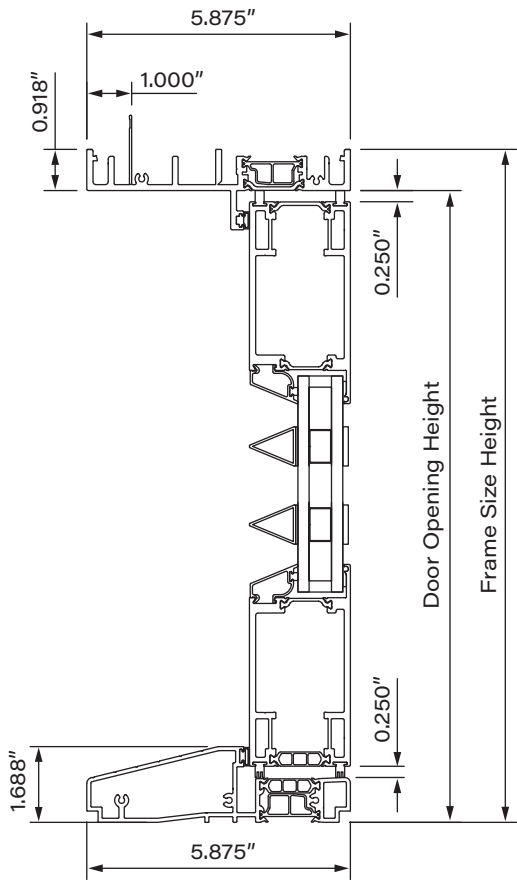
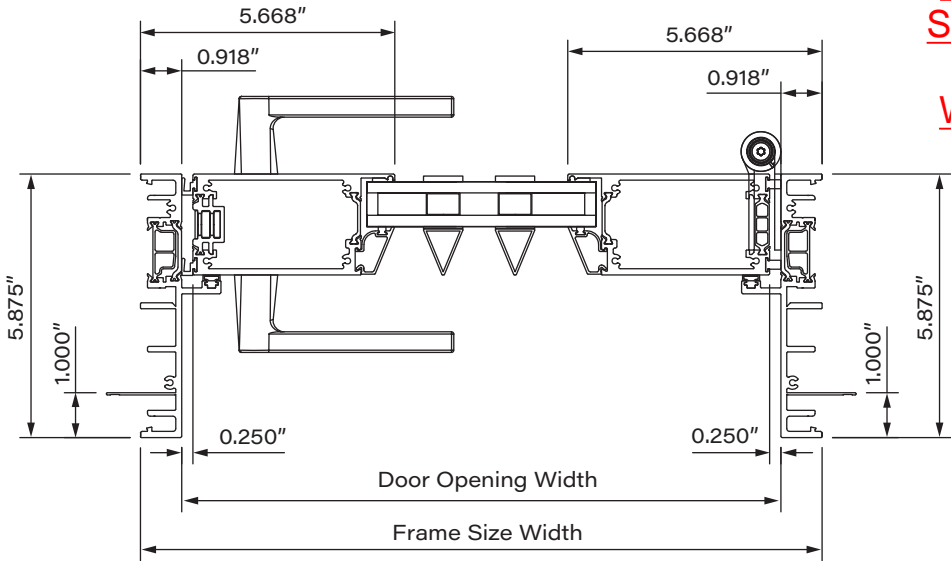
B

WESTERN  
SIMULATED  
STEEL  
WINDOWS

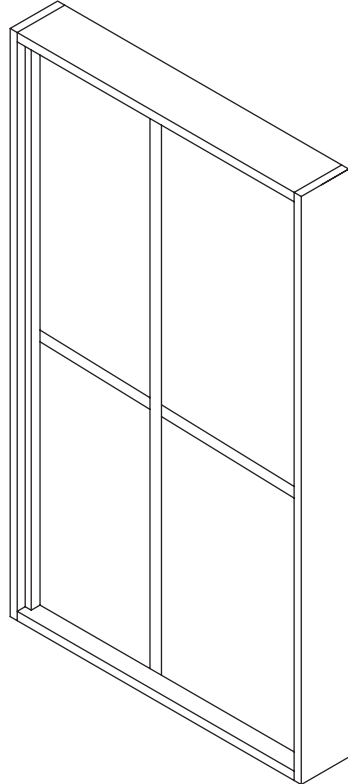


Features

- .30 U-value for standard low-E, argon-filled dual-pane glass
- .21 U-value for high-performance triple-pane glass
- All-climate coated or high-performance glass from Cardinal IG
- Glass can be customized and includes options such as laminated glass, solar- and glare-control glass, enhanced winter performance glass, and low-maintenance glass
- Pre-applied Cardinal Preserve film protects glass during installation
- Currently available in 4' x 12' panel sizes
- Performance-rated at DP50 (inswing) and DP50 (outswing)
- Standard and commercial threshold options
- Four locking options
- Heavy-duty hardware
- In-stock, designer, split, and custom finishes
- Title 24 compliant (California)

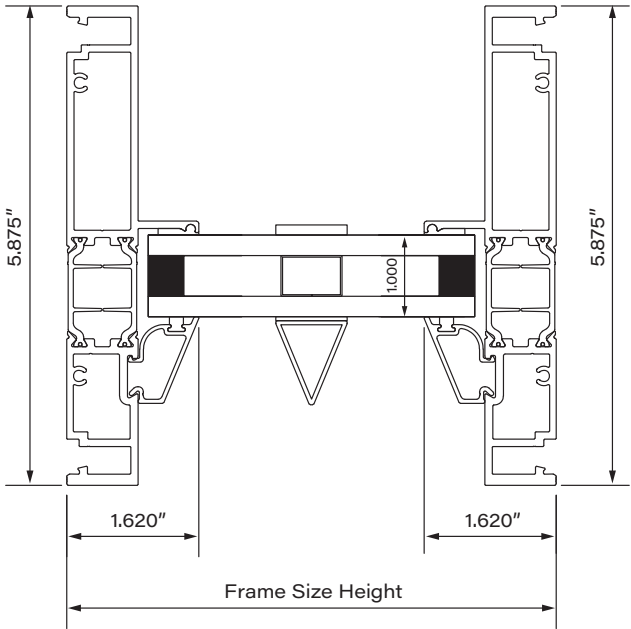
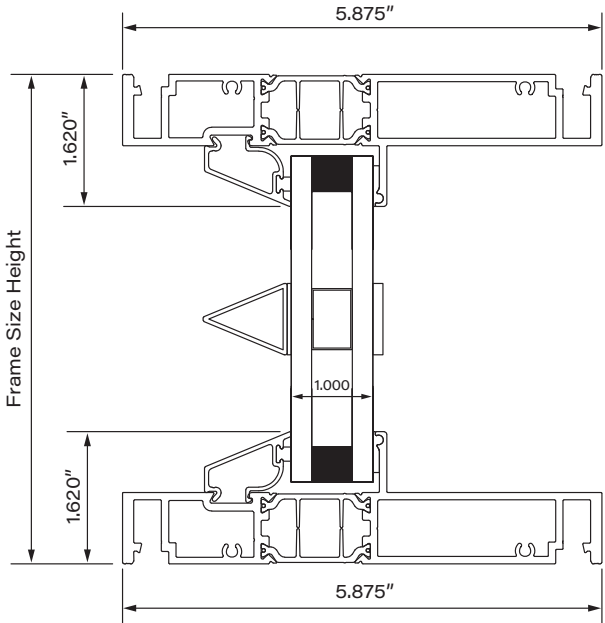






Features

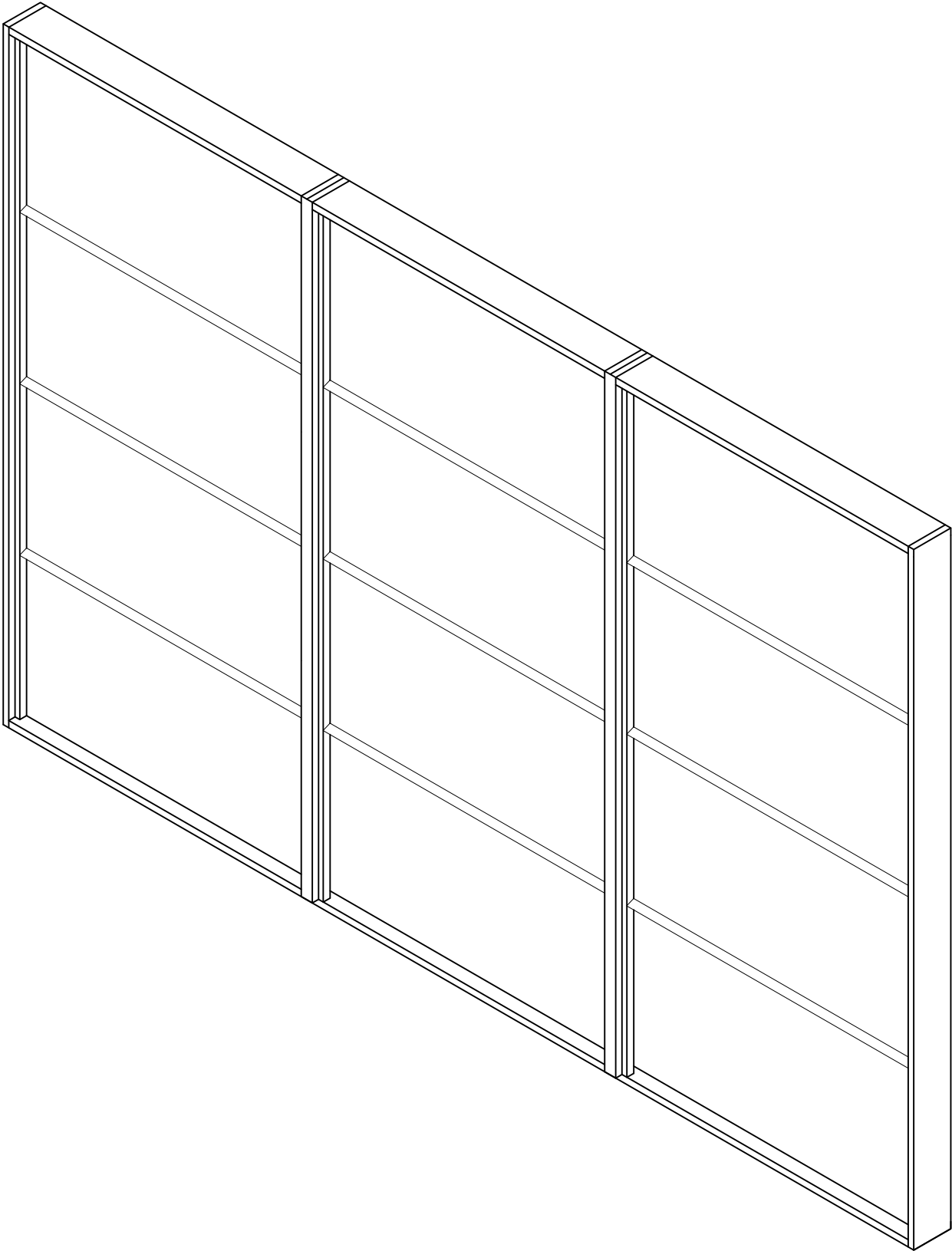
- .29 U-value for standard low-E, argon-filled dual-pane glass
- .17 U-value for high-performance triple-pane glass
- All-climate coated or high-performance glass from Cardinal IG
- Glass can be customized and includes options such as laminated glass, solar- and glare-control glass, enhanced winter performance glass, and low-maintenance glass
- Pre-applied Cardinal Preserve film protects glass during installation
- Performance grade of CW-PG100 at sizes up to 60" x 120"
- Available in sizes up to 16 feet in most markets
- Available in sizes up to 17 feet tall with low-E glass
- 5.875" frame depth
- Standard and high-base sill options
- In-stock, designer, split, and custom finishes
- Title 24 compliant (California)





Thermal Break - Provided  
Equal Leg Frame - Provided

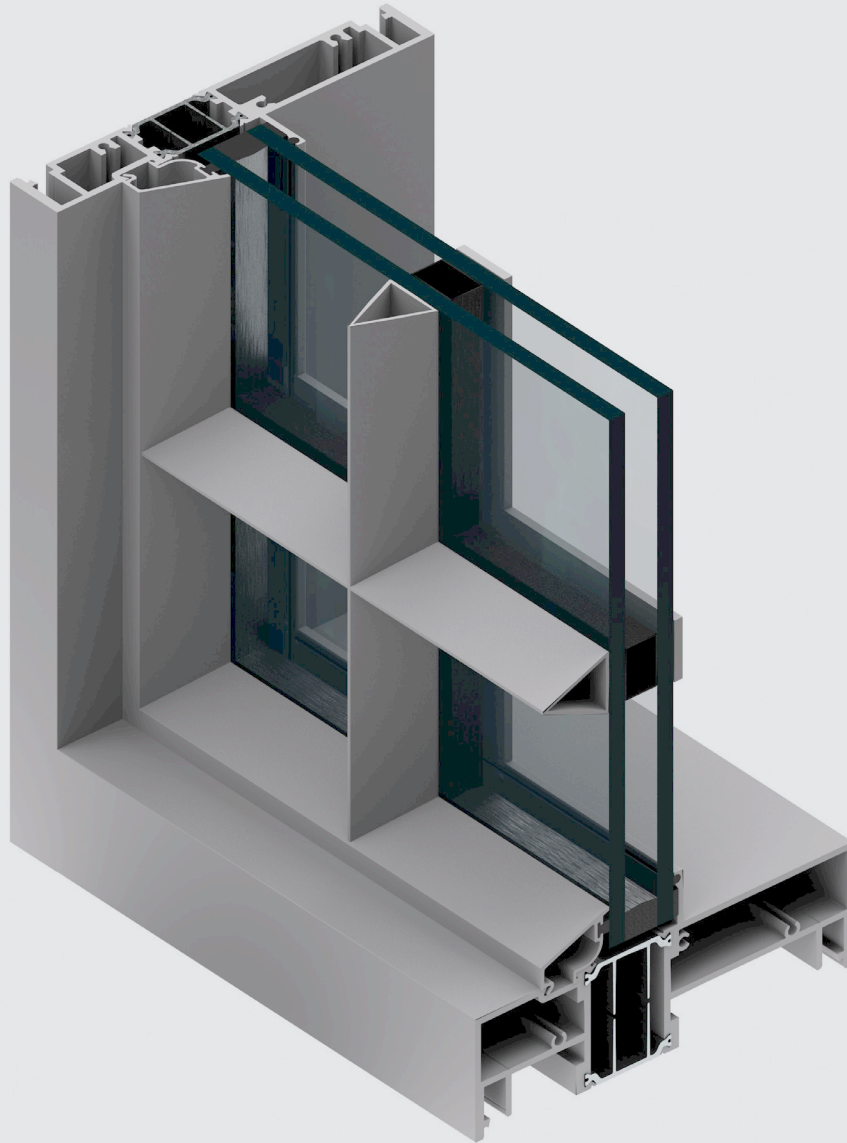
**B**  
WESTERN  
SIMULATED  
STEEL  
WINDOWS



Series 7630 Direct Set Window - Triple Vertical Stacked (3-O) - 1 3/4" Vertical Mull - SSL



# Series 7630s Window Wall



## Build Better

**SIMULATED STEEL LINE:** Energy-smart, design-forward aluminum doors and windows that look like steel but are far more affordable.



## Series 7630s Window Wall

The Series 7630s Window Wall provides you the opportunity to replace a traditional exterior wall with high low-E dual-pane glass. With its ability to integrate with various ventilating window styles and our hinge a it's flexible as well as functional. Available up to heights of 16 feet (depending on the application) and with depth, the window wall allows any of our Series 7000s sliding doors, hinged doors, and ventilating windows to be mullered to it. The window wall is tested for durability and features a performance grade of CW-PG100 (inc sizes up to 60" by 120". Narrow sightlines, beveled glass stops, and coped muntin bars replicate the profiles of steel putty glazed windows used in historic buildings, universities, and commercial projects. The thermally broken aluminum frames feature high-quality anodized or painted finishes.

### ENERGY EFFICIENCY

A .29 U-value for standard low-E, dual-pane glass gives the door excellent energy efficiency. Glass can be customized in a variety of coatings, tints, and thicknesses for improved privacy, protection, and thermal efficiency. Our signature aluminum extrusion design further reduces energy consumption. The Series 7630s features Energy Star-qualified options and complies with California's rigorous Title 24 requirements.

### OPTIONS

The standard base sill is .875" tall. An optional high base sill is 1.75" tall and is perfect for window walls that sit directly on a finished floor. The standard stop features a classic stepped profile with removable stops for ease of re-glazing and a weeped glazing pocket.

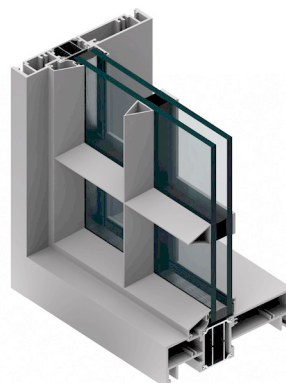
### FINISHES AND COLORS

Finishes are available in-stock or as designer selections, and they can be customized to match nearly any color. Split finishes are available in many combinations. Bronze Anodized and Satin Anodized come standard with a Class 1 coating thickness for increased smoothness and durability. Our designer colors include a high-quality paint finish that conforms to a minimum rating of AAMA-2605, currently the highest rating for organic finishes.

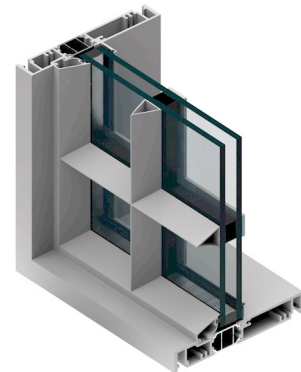
### PERFORMANCE

Frame Depth	5 7/8"
AAMA Product Designation (AAMA/WDMA/CSA101/I.S.2/A440 Designation)	CW-PG100-60x120-FW
Test Configuration	60" x 120" O
Air Infiltration (Per ASTM E 283)	.01 cfm/sf @1.57 psf
CSA A440 Air	Fixed
Water Resistance (Per ASTM E 547)	12.1 psf
Uniform Load Deflection (Per ASTM E 330)	100 psf
Uniform Load Structural (Per ASTM E 330)	150 psf
Forced Entry Resistance	ASTM F588 Type D Grade 40
U-Factor (Per NFRC 100)*	0.29
CR (Per NFRC 500)*	66
CRF Frame (Per AAMA 1503)	75

Actual values may vary depending on product specifications and configuration.  
\*Glass Makeup = 1" OA E366/Argon/Clear



Series 7630s Direct Set Window - High Base Sill



Series 7630s Direct Set Window - Standard Sill