

# MODEL 500 WS (WIDE STILE) TRADITIONAL COMMERCIAL ALUMINUM DOOR



## Built to a Higher Standard. Because Quality Isn't Optional.

Experience the difference of an entrance system engineered for the relentless demands of high-traffic environments.

The Capitol 500 WS Wide Stile door is built to a higher standard, delivering superior impact resistance, enhanced security, and reliable operation day after day.

Because quality isn't optional for performance you can trust, choosing the 500 WS offers more than just a door – it provides assured peace of mind that your entry point is equipped to perform flawlessly, year after year.

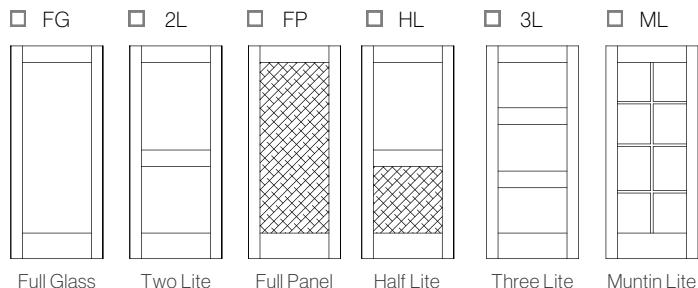
## Warranty Protection

We stand behind the quality of our products with comprehensive warranties. Our focus on reliability and longevity help minimize contractor callback and ensure long-term customer satisfaction.

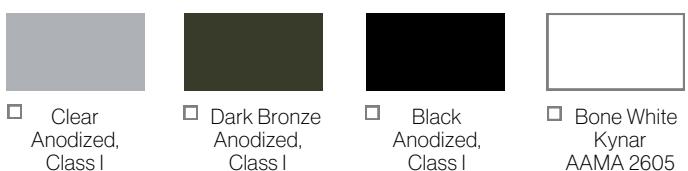


- WS Doors - 5 years
- Anodize - 5 years
- Kynar 2605 - 10 years

## Standard Door Configurations



## Door Finish Color Selections



## 1" Panel Color Selections



\* Custom color selections available upon request.

# MODEL 500 WS (WIDE STILE) ENGINEERED, RESILIENT, + DEFINITIVE

The Capitol 500 WS Wide Stile is built to a higher standard, establishing it as the definitive choice for enduring performance, seamless integration, and lasting security. For your most critical entrances, quality is never an option, and anything less is a compromise.



## Architectural Statement

The distinguished, wide stile profile of the Capitol 500 WS creates a prominent aesthetic, ensuring a lasting impression of substantial design and enduring quality.



## Enduring Resilience

Built to a higher standard with exceptionally durable extruded aluminum, the 500 WS offers exceptional resistance to high traffic and daily impacts, ensuring superior longevity.



## Integrated Protection

Beyond its commanding presence and inherent structural strength, the 500 WS readily accommodates diverse hardware and access systems. This unified strength delivers genuine protection and lasting peace of mind.



## Consistent Operation

Engineered to exceed typical industry benchmarks for commercial entrances. Our commitment to higher standards ensures reliable performance and lasting functionality.



# MODEL 500 WS (WIDE STILE) TECHNICAL SPECS + HIGHLIGHTS

## MATERIAL STANDARDS

Architectural quality tubular extruded aluminum, ASTM B 221, 6063-T5 alloy and temper. Rails and stiles of the door are 0.125" wall thickness and glazing stops are 0.60" thick.

- 1-3/4" overall depth door
- 6-1/2" head rail
- 6-1/2" mid-rail (optional)
- 10" bottom rails
- 4-1/2" vertical stiles

## GLAZING STOPS

Exterior glazing stops shall be non-removable. Glazing gaskets shall be EPDM elastomeric extrusion.

## MECHANICAL JOINTS

Features extruded aluminum shear blocks with rugged concealed 5/16" tie-rod corner construction for added durability and stability.

## WEATHER SEAL + BULLNOSE

Equipped with deep pile weatherstripping to minimize air and water infiltration. Dual Ultra Fin® weather seal and adjustable bullnose standard at meeting stiles of paired doors where no center post is provided.

## SURFACE APPLIED SWEEP

An exterior applied sweep is included on each 500 WS door. The sweep screw holes are slotted for adjustment.

## HARDWARE REINFORCEMENT

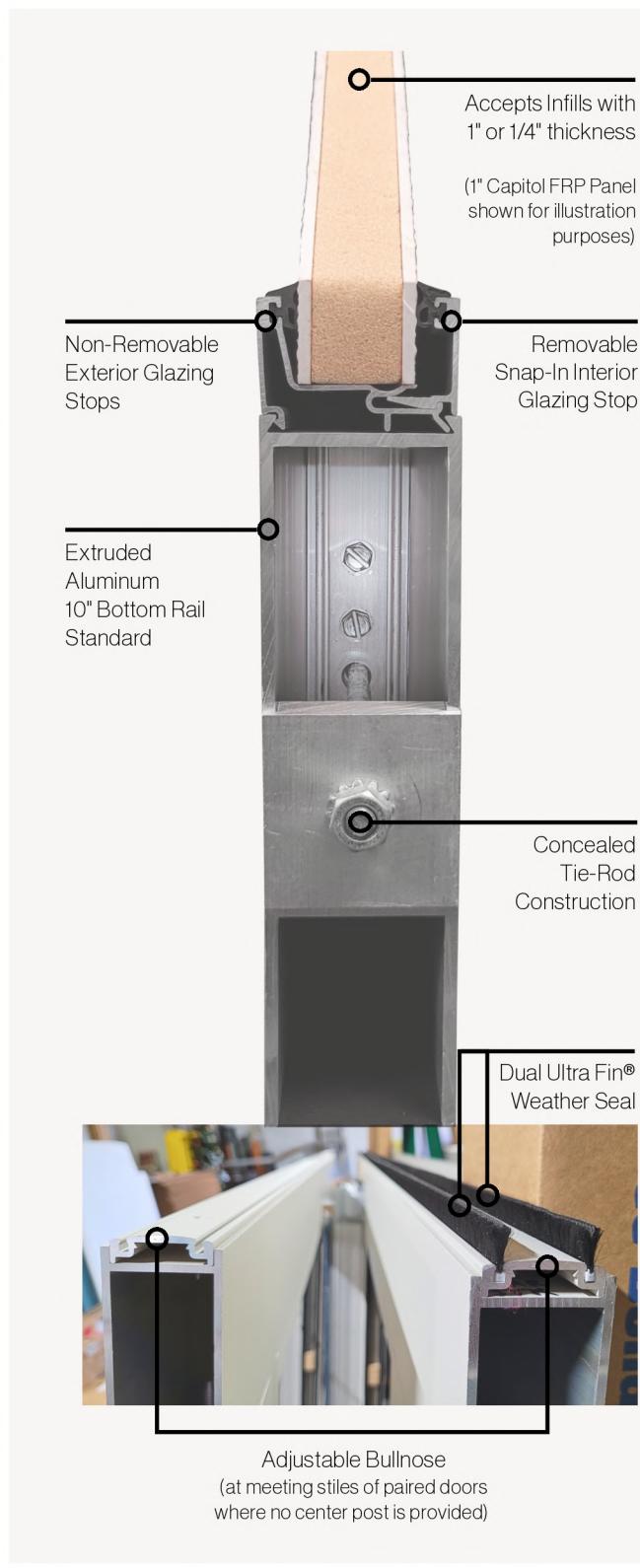
Reinforcing plates shall be installed in the door head rail to accept closer fasteners. When using butt hinges, the top hinge is reinforced with 1/8" steel plate behind the hinge leaf in both the door member and frame member at the point where the hinge is mortised into each member. The hinge screws are tapped into the reinforcing plate as well as the hinge leaf.

## COMPLEMENT WITH FRAMING

Couple with Capitol's storefront or curtain wall thermally broken framing systems to enhance any building's design and aesthetics.

## UNIQUE DOOR SERIAL NUMBER

Every Capitol manufactured door has a unique serial number etched on the inside jamb. This marking allows for efficient tracing back to Capitol project drawings should questions or additional information be required.



# MODEL 500 WS (WIDE STILE) TEST RESULTS SUMMARY

 = Structural Test

 = Performance Test

## ARCHITECTURAL TESTING PERFORMED

**ASTM E 283-04:** Determines rate of airflow through exterior doors under specified pressure differences across the specimen.

**ASTM E 330-02:** Test method for structural performance of exterior doors by uniform static air pressure difference.

SUMMARY OF RESULTS	TEST METHOD
Air Infiltration 1.8 L/s/m <sup>2</sup> (0.36 cfm/ft <sup>2</sup> ) 0.7 L/s/m (0.43 cfm/ft)	ASTM E283 
Design Pressure +/- 2160 Pa (+/- 45.11 psf)	ASTM E330 
Uniform Load Structural Test Pressure +/- 3240 Pa (+/- 67.67 psf)	ASTM E330 



## ARCHITECTURAL TESTING NFRC 100/200 COMPUTER SIMULATION

**NFRC 100/200:** A computer simulation test method that measures a door's energy performance (U-Factor, SHGC, VT, CR) based on computer simulations. It uses NFRC standards (100 for U-Factor, 200 for SHGC/VT) to ensure accurate ratings.

**U-Factor (U-Value):** The U-factor measures how well a door prevents heat from escaping. A lower U-factor means better insulation.

**Solar Heat Gain Coefficient (SHGC):** The SHGC indicates how much solar heat a door lets in. A higher SHGC means more heat gain. This is affected by glazing, number of panes, and coatings.

**Visible Transmittance (VT):** VT measures how much visible light passes through a door. A higher VT allows more daylight. Coatings and extra glass layers can reduce VT.

CONFIGURATION	GLAZING INFILL	U-FACTOR	SHGC	VT
Full Panel (FP)	No Lite	0.88	0.07	0.00
Full Glass (FG)	1" Clear Low-E SN68 #2 IGU 1" Bronze Low-E SN68 #3 IGU	0.79 0.79	0.22 0.19	0.31 0.18
Two Lite (2L)	1" Clear Low-E SN68 #2 IGU 1" Bronze Low-E SN68 #3 IGU	0.82 0.82	0.21 0.19	0.29 0.17
Half Lite (HL)	1" Clear Low-E SN68 #2 IGU 1" Bronze Low-E SN68 #3 IGU	0.83 0.83	0.21 0.19	0.29 0.17

# MODEL 500 WS (WIDE STILE) EXPLORE THE POSSIBILITIES



**Explore Our Website for Additional  
Capitol Manufactured Products!**



## SUITABLE APPLICATIONS FOR WIDE STILE DOORS!

### Commercial Entrances

- Main entry doors
- Storefront entrances
- Office building entrances

### Institutional Buildings

- School entrances
- University buildings
- Public libraries

### Healthcare Facilities

- Hospital entrances
- Clinic entrances
- Assisted living facilities

### Hospitality Settings

- Hotel entrances
- Restaurant entrances
- Event venues

### High-Traffic Areas

- Retail malls
- Airports
- Transportation hubs
- Financial institutions
- Vestibule Entryways

AND MORE!



<https://www.capitol-windows.com>



## WINDOWS

Discover quality and customization in our diverse range of window systems. Whether your project demands energy savings or unique aesthetics, our windows provide the perfect fit for the owner's specific architectural needs and long-term value.



## STOREFRONTS

Make a powerful first impression with Capitol's high-performance storefront solutions. Engineered for both stunning aesthetics and lasting durability, our systems seamlessly integrate with our window and door products, enhancing the building's appeal and long-term value for the owner.

## ENTRANCES

Create impactful and secure entrances with Capitol's versatile door systems. Designed for diverse commercial applications, our doors offer a blend of style, durability, and security, backed by expert project support ensuring the best long-term solution for the building owner.



## CURTAIN WALLS

Unleash your design potential with our versatile and sustainable curtain wall systems. Designed for seamless integration and large-scale impact, our solutions offer exceptional thermal performance and weather protection, contributing to long-term energy savings and occupant comfort.