

MODEL 453 WIND LOAD ALUMINUM FULL-VIEW



MODERN APPEAL FOR WIND LOAD AREAS

Wayne Dalton's Aluminum Full-View doors are the preferred choice when visibility and light transmission are just as important as design. Perfect for commercial applications such as auto dealerships, car washes and restaurant patios where aesthetics are a priority, Model 453 is weather-resistant, and virtually maintenance-free.

This door is built to meet local building codes, including Florida Building Code, Static and Impact approvals, providing protection from a variety of wind conditions, such as hurricane force winds.

- » STANDARD SIZES UP TO 20'1" HIGH AND 20'2" WIDE
- » VARIETY OF GLASS AND FINISH OPTIONS
- » DURABLE CONSTRUCTION
- **» WIND LOAD PROTECTION**

MODEL 453

STANDARD FEATURES OVERVIEW

THERMAL EFFICIENCY

R-VALUE*

Up to 4.09 (optional insulation)

CONSTRUCTION

20′ 1″ (6,121 mm)
20′ 2″ (6,157 mm)
Stile and rail assembly of extruded 6061-T6 aluminum, $1^{3}/8''$ thick stiles and rails, joined with self-tapping screws
Top and bottom rails with 2 $3/8"$ wide, lower intermediate rail 1 $19/32"$, upper rail 2 $3/8"$, minimum wall thickness 0.062"
Single end stiles are 3 ⁵ /16" wide, center stile 2 ¹¹ /16" wide, minimum wall thickness 0.062"
10,000 cycles
¹ /8" (3mm) in 4 options, ¹ /4" (6 mm) in 6 options, ³ /8" (10 mm) in 2 options, ⁵ /8" (16 mm) in 2 options
Clear Anodized
Provide to meet the design/performance requirements specified
Galvanized, interior-mounted single unit
Flexible bulb-type strip at bottom section
2″ (51 mm)
Manual pull rope or chain hoist

WARRANTY

TERMS

One (1) year limited warranty on door systems

OPTIONS

- Springs: 25,000, 50,000, 75,000 or 100,000 cycles
- Electric motor operation: Provide UL listed electric operator, equal to Genie Commercial Operators, size and type as recommended by manufacturer to move door in either direction at not less than 2/3 foot or more than 1 foot per second
- Lock options: Interior mounted slide lock with interlock switch for automatic operator, keyed lock, keyed lock with interlock switch for automatic operator
- Bottom sensing edge
- Weather stripping: Jamb and header seals
- Powder coat finishes: Color as selected by architect from manufacturer's standard colors
- Anodized finishes: Light Bronze, Medium Bronze, Dark Bronze, Black
- Exhaust ports
- Bracket mounting
- 3" track

*Wayne Dalton uses a calculated door section R-value and U-value for our insulated doors.

FINISH OPTIONS

Anodized Finishes







Medium Bronze





Actual door colors may vary from brochure photos due to fluctuations in the printing process. Always request a color sample from your Wayne Dalton Dealer for accurate color matching.

RAL POWDER COAT FINISHES

Approximately 200 optional RAL powder coat colors are also available.



WIND LOAD ALUMINUM FULL-VIEW

GLASS OPTIONS



Clear** (Standard)



Green Tint



Obscure



Satin Etched

White Laminated



Gray Tint



Bronze Tint

Impact Option

Get the same light infiltration with an impact-rated design.

- Impact design with pressures of +48/-54 psf
- Polycarbonate glazing is lighter than glass and meets Florida Building Code impact designs approvals up to 18'2" wide and 20'1" high
- Design includes reinforcement struts for added protection without protruding into the vision panels

Additional Specialty Glass Options

Low E glass** – thermal efficiency Tempered glass – enhanced safety

Glass Alternatives

- Clear Lexan[®] Polycarbonate** shatter resistant
- Multi Wall Polycarbonate superior strength with UV protection; color options: Clear, White, Bronze
- Plexiglas[®] Acrylic** shatter resistant
- Impact Clear and Frosted Polycarbonate 0.250" minimum

Actual glass may vary from brochure photos due to fluctuations in the printing process. Check with your Wayne Dalton Dealer to view a glass sample.

**Insulated options available.

WIND LOAD OPTIONS

Wind Load Option Code	0465	0464	0463	0462	0461	0466	0467	0460
Design Pressure (psf)	+18.0/-18.0	+22.0/-22.0	+26.0/-26.0	+31.0/-31.0	+37.0/-37.0	+48.0/-54.0	+43.0/-48.0	+50.0/-50.0
Impact	NO	NO	NO	NO	NO	YES	YES	NO
Maximum Door Width	22'2"	20'2"	18'2"	16'2"	14'2"	16'2"	18'2"	10'2"
Agency Approvals	FBC							



Architect Resource Center

Visit **wayne-dalton.com/architect-resource-center** to find our Architect Resource Center. In this tool, you will quickly find all of the specifications, drawings and documents you need to complete your project.



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