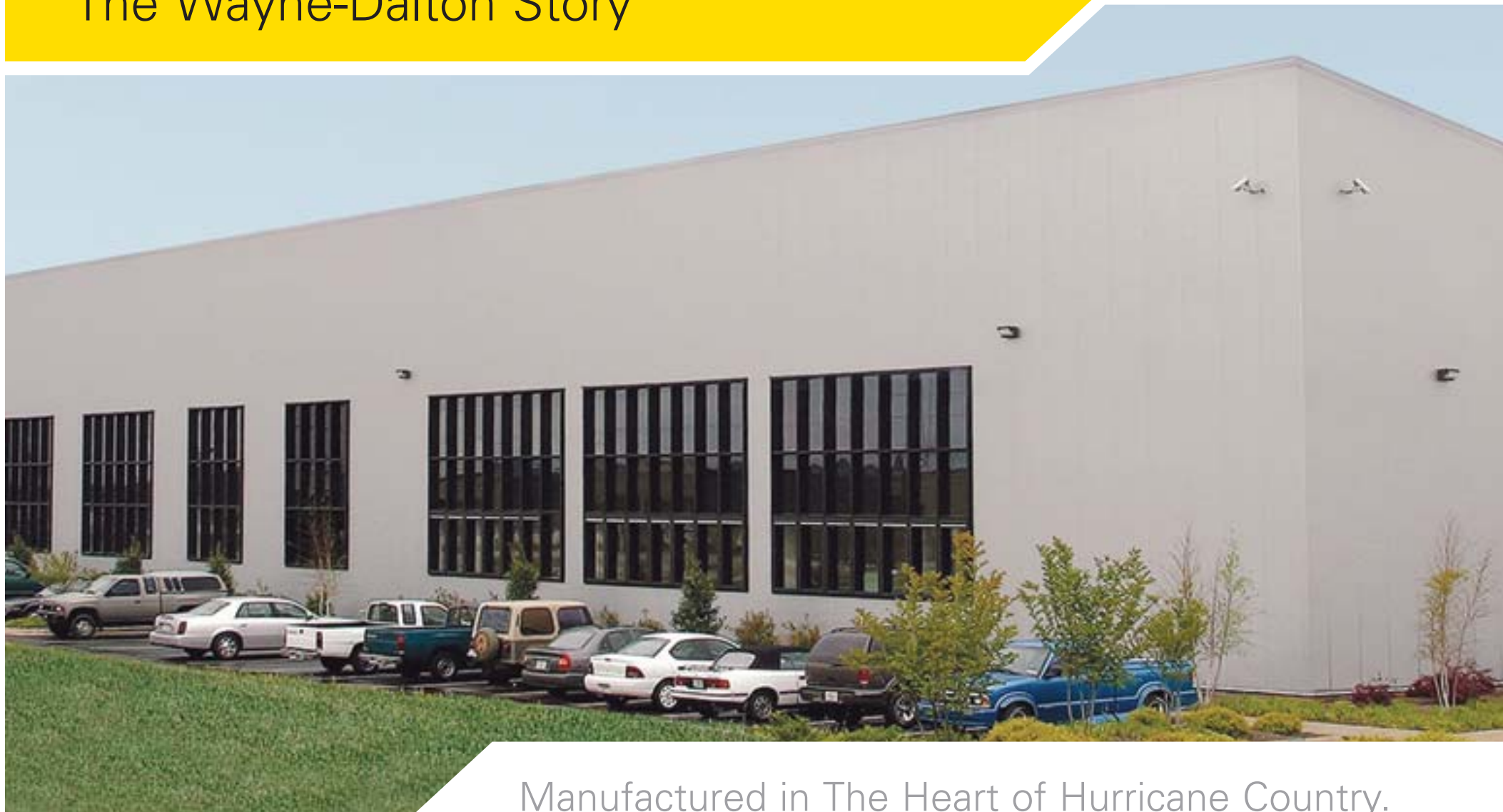


# Windload-Rated Residential Garage Doors



STORM PROTECTION PRODUCTS

# The Wayne-Dalton Story



Manufactured in The Heart of Hurricane Country.

Tropical weather systems are as much a part of our lives as sunshine and palm trees. Our Pensacola, Florida manufacturing facility is in the heart of "hurricane alley" – where we face the same wind risks that you do each season. Here, we engineer and manufacture door systems that meet federal, state and local building code requirements. We know the impact that storm season can have on a home – and we know how to build garage doors that minimize the impact.

## Lose the Garage Door, Lose the Home

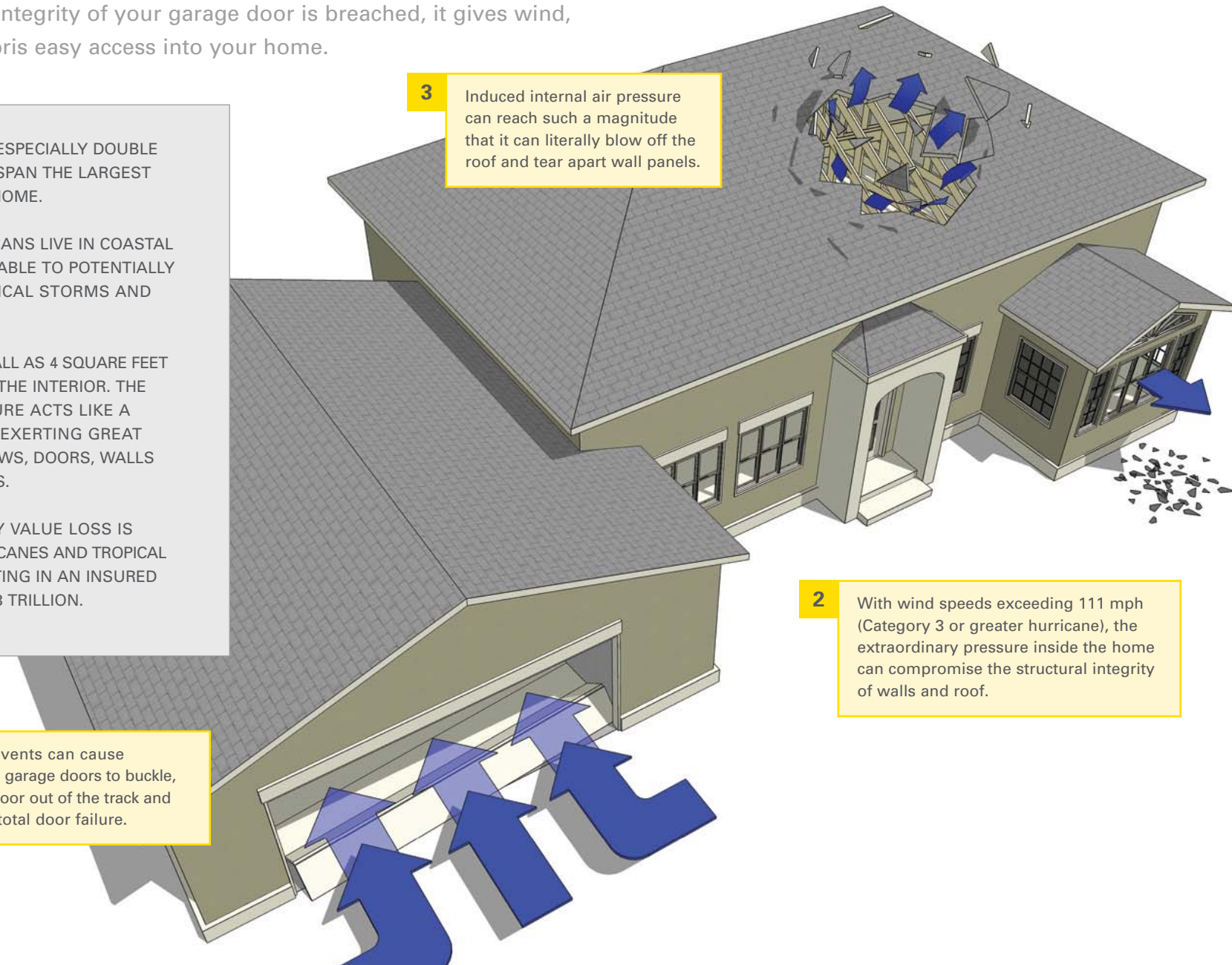
Risk analysts know that 80% of residential hurricane damage begins with wind entry into the garage. Typically, a garage door is the largest single opening in a home. Larger than entry doors or windows. If the integrity of your garage door is breached, it gives wind, rain and blown debris easy access into your home.

- GARAGE DOORS (ESPECIALLY DOUBLE WIDE) TYPICALLY SPAN THE LARGEST OPENING IN THE HOME.
- 44,000,000 AMERICANS LIVE IN COASTAL REGIONS VULNERABLE TO POTENTIALLY DAMAGING TROPICAL STORMS AND HURRICANES.
- OPENINGS AS SMALL AS 4 SQUARE FEET CAN PRESSURIZE THE INTERIOR. THE EXTREME PRESSURE ACTS LIKE A TURBINE ENGINE EXERTING GREAT FORCE ON WINDOWS, DOORS, WALLS AND ROOF PANELS.
- 53% OF PROPERTY VALUE LOSS IS CAUSED BY HURRICANES AND TROPICAL STORMS – RESULTING IN AN INSURED EXPOSURE OF \$3.3 TRILLION.

**1** High wind events can cause unreinforced garage doors to buckle, forcing the door out of the track and resulting in total door failure.

**3** Induced internal air pressure can reach such a magnitude that it can literally blow off the roof and tear apart wall panels.

**2** With wind speeds exceeding 111 mph (Category 3 or greater hurricane), the extraordinary pressure inside the home can compromise the structural integrity of walls and roof.



# Why A Wayne-Dalton Windload-Rated Door?



We begin with an engineering philosophy of improving safety, durability and security. Doors must meet our standards, as well as federal standards, before we'll affix the windload rating seal.

WAYNE-DALTON HAS ENGINEERED APPLICATIONS TO MEET WINDLOAD CODE REQUIREMENTS THROUGHOUT THE NATION

## This is How We Build Windload-Rated Doors.

Wayne-Dalton windload-rated doors are engineered to provide better protection for homes in hurricane and northern storm areas. They meet the Florida Building Code, ICC (International Code Council), TDI (Texas Department of Insurance) and Dade County (FL) PSF requirements.



Top section roller brace resists inward and outward force



High-grade carbon steel hinges add stability



3" commercial grade U-bars provide improved horizontal stability



Heavy-duty jamb brackets provide for more secure attachment of the tracks to the door jambs



Pinch-resistant door panels push fingers out of harm's way (available on 9700, 9600 and 9100)



Full-width bottom weather seal stops most wind-driven rains

## Beautiful and Strong.

You don't have to give up great design to get a windload-rated door.

Many Wayne-Dalton door models, styles and colors are available to deliver the strength of windload rating without compromising style. The only time anyone will know it's a windload-rated door is when the wind blows.



**BEST**

## Model 9700 Windload-Rated Garage Door

Choose a garage door that's truly a reflection of you. Wayne-Dalton lets you create the look of a traditional swing door, an elegant cross-buck design or a simple rail and stile pattern.

### MODEL 9700

- > R-10 FOAMED-IN-PLACE POLYURETHANE INSULATION
- > PINCH-RESISTANT DOOR PANELS
- > CUSTOMIZE DESIGN DOZENS OF DIFFERENT WAYS
- > LIFETIME LIMITED WARRANTY



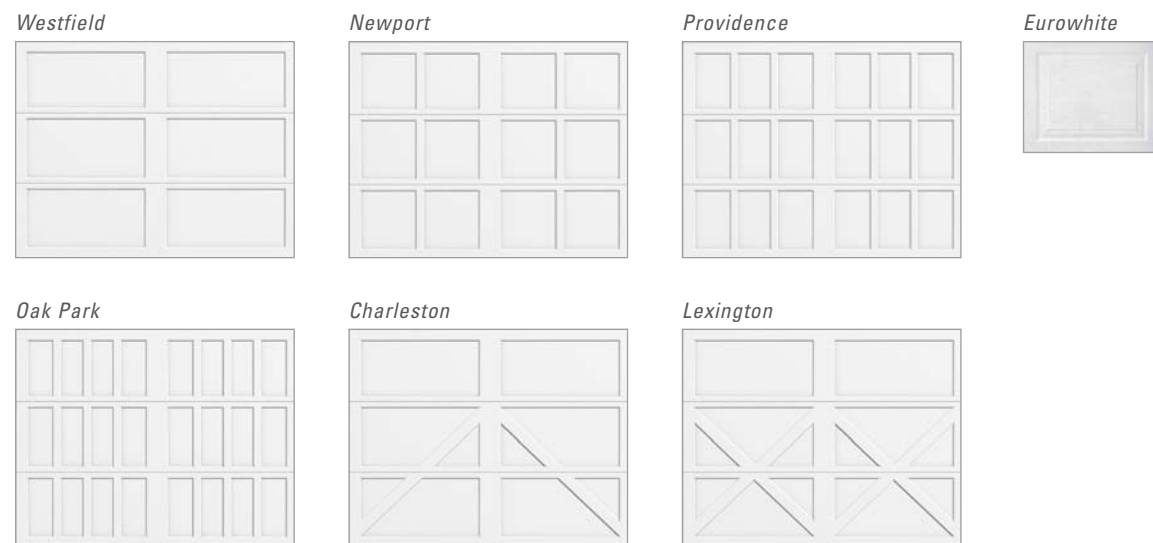
**BETTER**

## Series 9000 Windload-Rated Garage Door

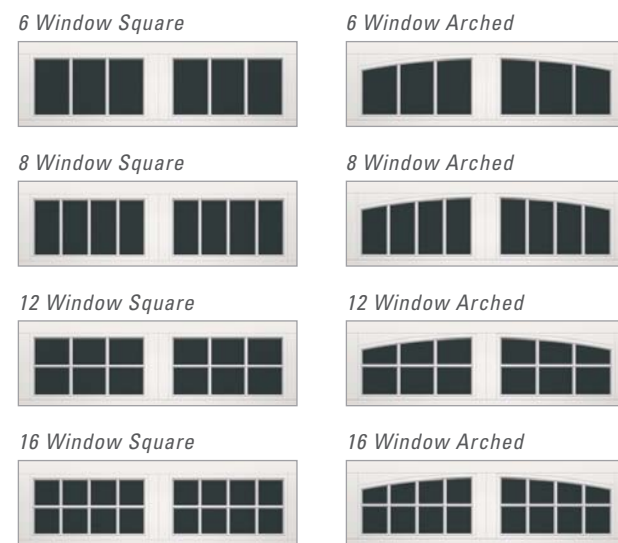
Series 9000 doors have a deeply embossed panel design that adds an architectural dimension to your home. Door panels are finished on both sides to give a cleaner look to your garage interior. You have a choice of insulation grades that are more energy-efficient than non-insulated doors. Homeowners and builders choose Series 9000 doors for their strength, durability, gracious design and award-winning safety features – they're America's most popular garage doors.

- Deep wood grain embossing
- Pinch resistant door panel joints
- Hot dipped galvanized steel panels
- SilentGlide™ rollers (on some windload models)

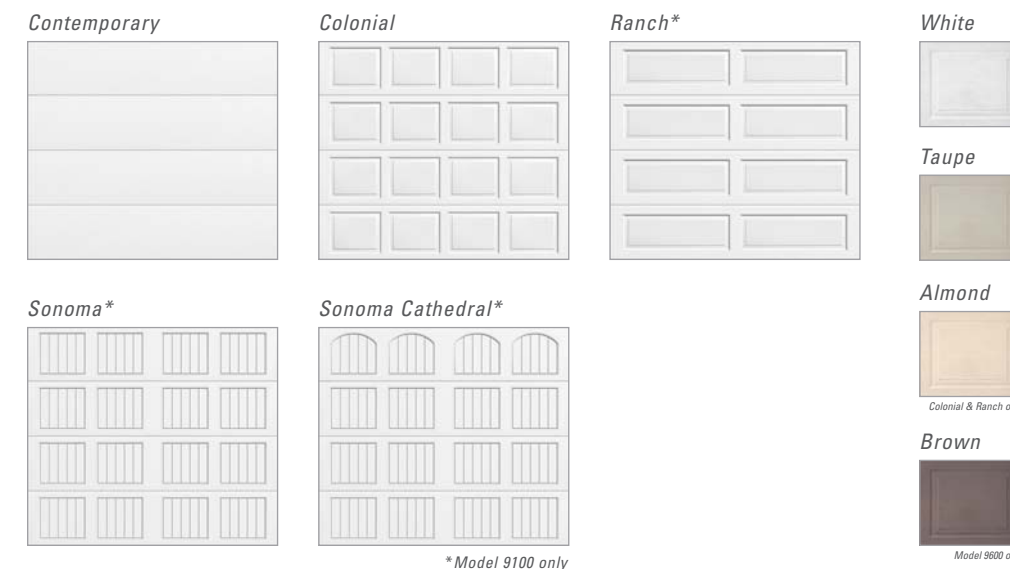
Panel Styles & Colors



Window Options



Panel Styles & Colors



### MODEL 9600

- > R-10 FOAMED-IN-PLACE POLYURETHANE INSULATION
- > AVAILABLE IN DISTINCTIVE SONOMA STYLING
- > TORQUEMASTER™ SAFETY SEALED SPRINGS
- > LIFETIME LIMITED WARRANTY



### MODEL 9100 – America's Best-Selling Door

- > R-8 FOAMED-IN-PLACE POLYURETHANE INSULATION
- > AVAILABLE IN DISTINCTIVE SONOMA STYLING
- > TORQUEMASTER™ PLUS FEATURING AN ANTI-DROP SAFETY DEVICE
- > LIFETIME LIMITED WARRANTY



GOOD

## Series 8000 Windload-Rated Garage Door

Series 8000 doors have been tested to the highest sustained wind pressure code requirements. If you want a well-insulated door with design options, choose Model 8300. For a basic steel door with polystyrene insulation, choose Model 8100. Or for a low-maintenance, non-insulated steel door, pick the reliable Model 8000. With Series 8000 doors, you have choices.

- Deep wood grain embossing
- Hot-dipped galvanized steel panels
- TorqueMaster™ safety sealed springs
- Full bottom weather stripping
- True thermal break (Model 8300)
- Tongue-in-groove door panels

<b>MODEL 8300</b>	
<ul style="list-style-type: none"> <li>&gt; R-11 FOAMED-IN-PLACE POLYURETHANE INSULATION</li> <li>&gt; LIFETIME LIMITED WARRANTY</li> </ul>	
<b>MODEL 8100</b>	
<ul style="list-style-type: none"> <li>&gt; &lt;R-5 EXPANDED POLYSTYRENE INSULATION</li> <li>&gt; 10-YEAR WARRANTY</li> </ul>	
<b>MODEL 8000</b>	
<ul style="list-style-type: none"> <li>&gt; NON-INSULATED</li> <li>&gt; 10-YEAR WARRANTY</li> </ul>	



### Panel Styles & Colors









WINDOWS

## Customize Your Door with Beautiful Windows







### StyleLine™ Glass Windows

Distinctive style with convenient snap-in design grilles.






FOR COLONIAL RAISED PANEL AND CONTEMPORARY DOORS

<i>Cascade I</i> 	<i>Cathedral I</i> 	<i>Sherwood I</i> 
<i>Stockton I</i> 	<i>Waterton I</i> 	<i>Williamsburg I</i> 

FOR RANCH DOORS

<i>Cascade II</i> 	<i>Cathedral II</i> 	<i>Sherwood II</i> 
<i>Stockton II</i> 	<i>Waterton II</i> 	<i>Williamsburg II</i> 





FOR SONOMA DOORS

<i>Cascade III</i> 	<i>Stockbridge</i> 	<i>Arched Stockton</i> 
<i>Stockton III</i> 	<i>Waterton III</i> 	Also available: <i>Cascade I Cathedral I</i> <i>Stockton I Waterton I</i>

### Radiance™ Windows

The look of beveled glass for less. Enhanced with 3M™ Accentrim™ technology.

FOR MODELS 9600 AND 9100 ONLY - AVAILABLE ON ALL PANEL STYLES

<i>Mission I</i> 	<i>Kensington I</i> 	<i>Prairie I</i> 	<i>Diamond I</i> 
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### Décor™ Beveled Acrylic Windows

Elegant cut-glass design with genuine brass or lead detailing.

AVAILABLE ON ALL PANEL STYLES

<i>Majestic</i>  Brass	 Lead	<i>Reflections</i>  Brass	 Lead
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### Model Features and Benefits

Use the chart below to find the right door for you.

CONSULT DISTRIBUTOR TO CONFIRM GLAZING OPTIONS AVAILABLE FOR YOUR WINDLOAD AREA

	9700	9600	9100	8300	8100	8000
Colonial raised panel	Custom	•	•	•	•	•
Ranch raised panel			•			
Contemporary panel		•	•			
Sonoma/Sonoma Cathedral			•			
Polyurethane foamed-in-place insulation	R-10	R-10	R-8	R-11		
Polystyrene Styrofoam board insulation					R-5	
Pinch-resistant door panels	•	•	•			
Tongue-in-groove joints				•	•	•
TorqueMaster Plus w/ anti-drop device			•			
TorqueMaster safety sealed springs		•	•			
Bottom weather seal	•	•	•	•	•	•
Finished interior	•	•	•	•	•	•
Extra-deep panel embossing	•	•	•	•	•	•
Integral horizontal supports		•	•			
Wraparound end caps on panel edges	•	•	•	•	•	•
Heavy-duty trim caps on supports		•	•			
Factory pre-painted steel	•	•	•	•	•	•
Galvanized hardware	•	•	•	•	•	•
Cascade I, II		•	•	•	•	•
Cascade III		•	•			
Cathedral I, II		•	•	•	•	•
Sherwood I, II		•	•	•	•	•
Stockbridge		•	•			
Arched Stockton		•	•			
Stockton I, II		•	•	•	•	•
Stockton III		•	•			
Waterton I, II		•	•	•	•	•
Waterton III		•	•			
Williamsburg I, II		•	•	•	•	•
Mission I, II		•	•			
Kensington I, II		•	•			
Prairie I, II		•	•			
Diamond I, II		•	•			
Majestic (Brass or Lead)		•	•	•		
Reflections (Brass or Lead)		•	•	•		

• Available only for Models 9100 with Sonoma styling

# There's more to a Wayne-Dalton Door.



## TORQUEMASTER™ PLUS

America's safest spring system is now even safer. Engineered with an anti-drop safety device that prevents the door from falling uncontrollably in the event of spring failure. Available first on Model 9100.



## TOTAL PACK – QUICK INSTALL SYSTEM

Many hardware parts are factory-installed for faster installation. The door sections, track, spring, and door seal are then packed together for convenience and smoother installation – all part of the quick install system, exclusively from Wayne-Dalton.

## OTHER WAYNE-DALTON STORM PROTECTION PRODUCTS



### ROLL-UP STEEL DOORS

Available in windload rated sizes up to 16'x16'. The corrugated door curtain is hot-dipped, galvanized 26-Ga. Steel. Roll-up self-storage doors are also available.



### COMMERCIAL SECTIONAL DOORS

Available in insulated models up to R-17.59 as well as aluminum full-view doors and wood doors.

Learn more at [www.wayne-dalton.com](http://www.wayne-dalton.com)



### COMMERCIAL ROLLING DOORS

Including counter shutters, service and fire-rated doors as well as rolling/accordion grilles.



### FABRIC SHIELD™ STORM PANELS

PVC-coated woven fabric panels improve impact resistance to storm-driven projectiles. Panels block most wind and rain yet are lightweight, easy to handle and allow light to enter your home.

## Residential Garage Door Windsafe™ Safety Levels

ASCE 7-98 / ASCE 7-02 EXPOSURE B <sup>1</sup>							
Mean Roof Height	90 MPH	100 MPH	110 MPH	120 MPH	130 MPH	140 MPH	150 MPH
≤30' One & Two Story	SL1	SL2	SL3	SL4	SL5	SL6	SL7

ASCE 7-98 / ASCE 7-02 EXPOSURE C <sup>2</sup>								
Mean Roof Height	90 MPH	100 MPH	110 MPH	120 MPH	130 MPH	140 MPH	146 MPH	150 MPH
≤15' One Story	SL2	SL3	SL5	SL6	SL7	SL8	SL8	SL9
≤25' Two Story	SL3	SL4	SL5	SL6	SL8	SL9	SL10	SL11

- The above tables may be used for determining the safety level for residential garage doors installed on buildings with any roof slope and commercial doors installed on buildings with roof slope ≤10°.
- Tables applicable to enclosed structures with an importance factor of 1.0 and assume a maximum of 2' of the door is located within the end zone of a structure.
- Exposure B applies to urban and suburban areas, wooded areas, or other terrain with numerous closely spaced obstructions having the size of single-family dwellings or larger.
- Exposure C applies to open terrain with scattered obstructions having heights generally less than 30'. This includes flat open country, grasslands, and all water surfaces in hurricane-prone regions.
- These tables may not be applicable for your project. Contact your local building official for wind speed and permitting requirements. A registered architect or structural engineer may also determine applicability for project specific conditions other than those listed.
- Winds in excess of the door rating can result in destruction of the door and the structure.
- <sup>†</sup> Doors tested for large missile impact and cyclone wind pressure per Miami-Dade protocols PA201 and PA203.

## Models 8000 / 8100

<b>6' - 9' WIDE</b>	Safety Level	<b>SL2</b>	<b>SL3</b>	<b>SL4</b>	<b>SL5</b>	<b>SL6</b>	<b>SL6</b>	<b>SL10</b>	<b>SL10</b>
	Drawing #	0357	0109	0108	0304 Post	0105	0119 <sup>†</sup>	0305 Post	0120 / 0212* <sup>†</sup>
	PSF Design	+15.9 / -18.2	+25 / -25	+29.3 / -29.3	+31 / -36	+36.6 / -36.6	+37 / -37	+46 / -52	+46 / -52
<b>10' - 16' WIDE</b>	Safety Level	<b>SL1</b>	<b>SL2</b>	<b>SL4</b>	<b>SL4</b>	<b>SL5</b>	<b>SL6</b>	<b>SL7</b>	<b>SL8</b>
	Drawing #	0354	0218	0028	0223 Post	0110	0432	0400 Post	0219 Post
	PSF Design	+12.4 / -13.8	+16 / -17	+22 / -24.6	+22 / -24.6	+27 / -29	+30 / -33.5	+34.4 / -38.3	+40 / -44.5
<b>10'2" - 16'2" WIDE</b>	Safety Level	<b>SL5</b>	<b>SL10</b>						
	Drawing #	0121 / 0211* <sup>†</sup>	0122 / 0213* <sup>†</sup>						
	PSF Design	+31 / -33	+44 / -49						
<b>17' - 18' WIDE</b>	Safety Level	<b>SL1</b>	<b>SL2</b>	<b>SL7</b>					
	Drawing #	0358	0134	0303 Post					
	PSF Design	+12.4 / -13.8	+18.5 / -20.5	+34.4 / -38.3					
<b>17'2" - 18'2" WIDE</b>	Safety Level	<b>SL5</b>							
	Drawing #	0123 / 0214* <sup>†</sup>							
	PSF Design	+30 / -32							

\*With lites only

## Model 8300

<b>6' - 9' WIDE</b>	Safety Level	<b>SL3</b>	<b>SL5</b>	<b>SL10</b>
	Drawing #	0133	0132	0127 <sup>†</sup>
	PSF Design	+23 / -26	+31 / -36	+46 / -52
<b>10' - 16' WIDE</b>	Safety Level	<b>SL4</b>	<b>SL5</b>	<b>SL6</b>
	Drawing #	0125	0124	0126 Post <sup>†</sup>
	PSF Design	+22 / -24.6	+27 / -29	+33 / -37.5
<b>17' - 18' WIDE</b>	Safety Level	<b>SL4</b>	<b>SL8</b>	
	Drawing #	0130	0131 Post <sup>†</sup>	
	PSF Design	+22 / -24.6	+40 / -44.5	

## Models 9100 / 9600

<b>6' - 9' WIDE</b>	Safety Level	<b>SL2</b>	<b>SL5</b>	<b>SL4</b>	<b>SL10</b>
	Drawing #	0356	0228**	0220 Post	0226 Post
	PSF Design	+15.9 / -18.2	+26.9 / -30.8	+26.7 / -30.2	+46 / -52
<b>10' - 16' WIDE</b>	Safety Level	<b>SL1</b>	<b>SL2</b>	<b>SL5</b>	
	Drawing #	0355	0229**	0230**	
	PSF Design	+12.4 / -13.8	+15.3 / -17	+25.9 / -28.8	
<b>10' - 18' WIDE</b>	Safety Level	<b>SL4</b>	<b>SL5</b>	<b>SL8</b>	
	Drawing #	0221 Post	0300 Post	0301 Post	
	PSF Design	+22 / -24.6	+31 / -33.1	+40 / -44.5	
<b>17' - 18' WIDE</b>	Safety Level	<b>SL1</b>	<b>SL3</b>		
	Drawing #	0232**	0233**		
	PSF Design	+12.4 / -13.8	+18.5 / -20.7		

\*\*Model 9100 only

## Model 9700

<b>9' WIDE</b>	Safety Level	<b>SL1</b>	<b>SL4</b>	<b>SL5</b>	<b>SL6</b>	<b>SL7</b>	<b>SL10</b>
	Drawing #	0500 / 0501*	0502 / 0503*	0504 / 0505*	0506 / 0507*	0508	0509
	PSF Design	+12.8 / -14.8	+22.9 / -26.3	+26.9 / -30.8	+31.2 / -35.8	+35.7 / -41	+45.3 / -51.2
<b>10' WIDE</b>	Safety Level	<b>SL1</b>	<b>SL3</b>	<b>SL4</b>	<b>SL5</b>	<b>SL6</b>	<b>SL8</b>
	Drawing #	0510 / 0511*	0512 / 0513*	0514 / 0515*	0516 / 0517*	0518	0519
	PSF Design	+12.8 / -14.8	+19.2 / -22	+22.9 / -26.3	+26.9 / -30.8	+31.2 / -35.8	+41 / -46.3
<b>16' WIDE</b>	Safety Level	<b>SL1</b>	<b>SL2</b>	<b>SL3</b>	<b>SL4</b>	<b>SL4</b>	<b>SL5</b>
	Drawing #	0520*	0521 / 0522*	0523 / 0524*	0525	0529*	0530
	PSF Design	+12.4 / -13.8	+15.3 / -17	+18.5 / -20.7	+22 / -24.5	+23 / -25	+25.9 / -28.8
<b>18' WIDE</b>	Safety Level	<b>SL2</b>	<b>SL3</b>	<b>SL4</b>			
	Drawing #	0527*	0526 / 0528*	0532			
	PSF Design	+15.3 / -17	+18.5 / -20.7	+22 / -24.5			

\*With lites only

## In her own words...

*"We took a direct hit from Charley and our home survived with no damage!"*

"In 2001, we built our new home with Wayne-Dalton windload-rated garage doors as part of the builder's total wind-resistant design. Our neighborhood took a direct hit from Hurricane Charley on August 13, 2004. Only our home and a neighbor's (also with Wayne-Dalton doors and similar wind-resistance engineering) completely escaped damage. This is a hurricane-prone area but I feel more confident because of our Wayne-Dalton doors."

**Tara Cudjo**  
**Punta Gorda, Florida**

**Wayne  
Dalton**

STORM PROTECTION PRODUCTS