

WINDCODE®

ARE YOU READY FOR THE STORM?



windload compliant doors

 **Clopay®**



WINDCODE[®] COMMERCIAL DOORS

Clopay is the leader in WindCode[®] sectional door approvals, product innovations and support. Our commitment to this important and critical component of the building envelope includes investments in an ISO-approved testing facility with staffing consisting of both internal and independent Licensed Professional Engineers. This ensures complete compliance with all building code requirements.

Clopay's WindCode[®]-rated doors are tested and approved for wind speeds up to 195 MPH. With a full line of WindCode[®]-rated and approved sectional doors in varying sizes, designs, insulation types and pressure ratings, we make it easy to provide your facility with the most cost effective, attractive, durable and energy efficient WindCode[®] doors on the market.



T-STRUT



IMPACT WINDOW

CLOPAY'S PATENTED T-STRUT

Used on most WindCode[®] doors, the patented T-Strut takes up less space than many conventional reinforcement techniques, providing a cleaner, more attractive interior, with more usable space for the building owner.

CLOPAY'S PATENTED IMPACT WINDOW ASSEMBLY

Allows availability of multiple window sizes that are approved for applications requiring an impact rating.

Clopay patents are 9,022,091 for impact windows and D719,280 and D755,409 for the tapered strut.

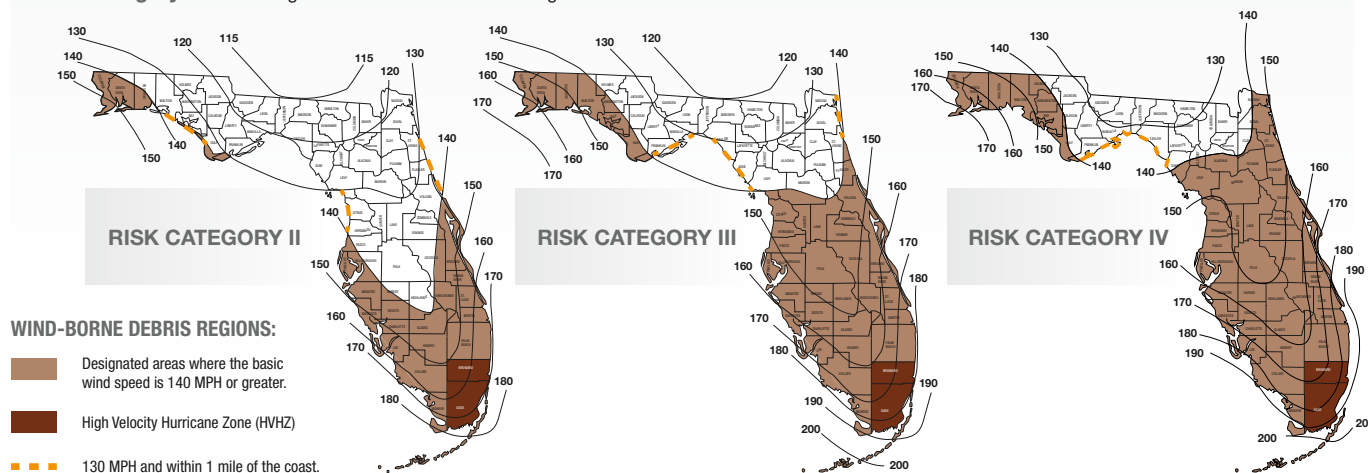
DETERMINE YOUR WINDCODE[®] RATING

Clopay assigns a WINDCODE[®] "W" rating to our doors based on code requirements determined by wind speed in miles per hour (MPH), exposure and structural type.

STEP 1:

- Determine risk category.

- Category I** Buildings having low hazard to human life in the event of a failure. Potentially lower wind speeds refer to ATC site at www.atcouncil.org/windspeed.
- Category II** Buildings and other structures except those listed in Risk Categories III and IV.
- Category III** Buildings and other structures such as schools.
- Category IV** Buildings and other structures designated as essential facilities.



WIND-BORNE DEBRIS

Any location rated for 130 MPH winds and within 1 mile of the coast requires this reinforcement in addition to any area rated for 140 MPH, or more, impact rating. Per ASCE 7-16.

Miami-Dade and Broward Counties require all overhead doors meet the large missile impact rating, regardless if the overhead door has windows or not.

STEP 2:

- Determine if your building is in an Exposure B, Exposure C or Exposure D region.

Exposure B is defined as urban and suburban areas, wooded areas or other terrain with numerous closely spaced obstructions.

Exposure C is defined as open terrain with scattered obstructions including flat open ground and grasslands.

All of Miami-Dade and Broward Counties is Exposure C, unless it meets Exposure D definition.

Exposure D is defined as being within 600 feet of the ocean front or other large body of water measuring at least 5,000 feet across.

STEP 3:

- Using wind speed (MPH) and exposure, find your required design pressure and WINDCODE[®] "W" rating in the charts on page 3 or visit www.clopaydoor.com/commercial/architects-corner and use the WINDCODE[®] calculator.

explore your choices

Clopay offers a diverse selection of commercial sectional and rolling steel doors that are uniquely suited to meet a wide array of specifications. Whether your primary need is durability, energy efficiency or versatility, Clopay has a door that will help you transform your space.

4

ARCHITECTURAL SERIES

Aluminum Full-View Doors

- 2-1/8" thick aluminum frame construction
- Multiple glazing and finishing options



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ARCHITECTURAL SERIES

Steel Full-View Doors

- 3-layer (steel + insulation + steel) construction
- Multiple glazing, insulation and finishing options



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ENERGY SERIES WITH INTELICORE

Polyurethane Insulated Steel Doors

- 3-layer (steel + insulation + steel) construction
- R-values up to 27.2*



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ENERGY SERIES

Polystyrene Insulated Steel Doors

- 3-layer (steel + insulation + steel) construction
- R-values up to 9.1*



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INDUSTRIAL SERIES

Ribbed Steel Doors

- 2-layer and 1-layer construction options
- R-values up to 6.6*

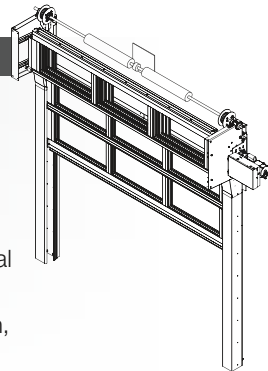


14

STACKING SERIES

VertiStack™ Compact Vertical Stacking Sections

- Unique compact stacking sections that take up minimal ceiling space
- Available in a variety of finish, glass and color options



16

EXTREME™ SERIES

High Performance Sectional Door System

- Opening speed 24" per second
- Closing speed 15" per second



21

ROLLING STEEL SERIES

Rolling Steel Doors

- Full-duty service doors available for a variety of commercial applications



*Calculated door section R-value is in accordance with DASMA TDS-163.

architectural series



Model 904, 12'2" x 14' Clear Aluminum Doors; Shown with Tempered Insulated Glass

ALUMINUM FULL-VIEW DOORS

Clopay's Aluminum Full-View doors offer flexibility to allow varying degrees of light while complementing the surrounding structure. A wide selection of standard and custom glazing types and finishes make a bold statement in retail, service stations, restaurants and other environments requiring visibility or light.

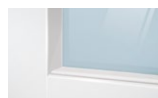
MAXIMUM DURABILITY

- 2-1/8" (54 mm) thick section construction, 6063-T5 extruded aluminum alloy frame. Interior reinforcing fin standard on Models 904/904U where necessary.
- Tongue-and-groove meeting rail.
- Models 904/904U features contemporary boxed frame design with integral section joint seal.
- Model 904U features Intellicore® polyurethane insulated rails and stiles. R-value 3.8/U-factor 0.86 when glazed with clear insulated glass.

VERSATILITY AND DESIGN FLEXIBILITY

- Numerous glazing options include insulated, Low-E, frosted, mirrored, tinted and polycarbonate panels in various colors. Most glass types include tempered option.
- Wide variety of anodized, powder-coated and painted options, including Color Blast® finish.
- 904U/904 has consistent panel widths and heights.

Calculated door section R-value is in accordance with DASMA TDS-163.



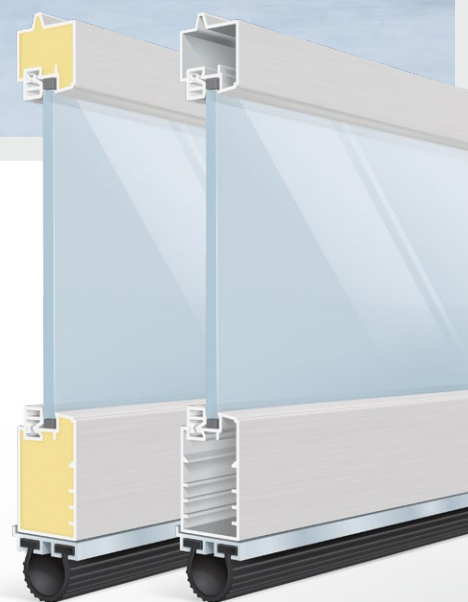
Frame Detail



Section Joint Seal



Reinforcing Fin
(Where applicable)



MODEL 904U

MODEL 904

*Model 904U R-value 3.8 with clear insulated glass.

PANEL OPTIONS



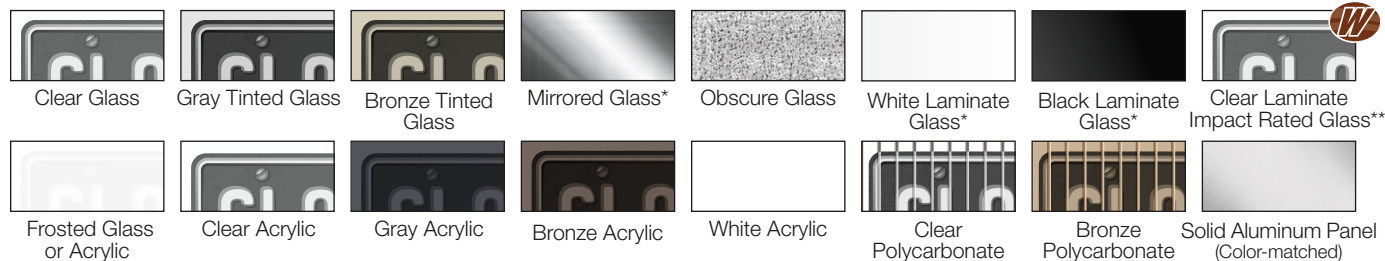
Aluminum Full-View



Solid Aluminum

Acrylic windows require special cleaning. Never use products that contain ammonia or petroleum products to clean acrylic. Please visit clopaydoor.com/acrylic for complete details.

GLASS/PANEL OPTIONS




*Mirrored and laminated glass not available in 1/2".

**5/16" clear laminate impact rated glass is available only on 904W8/904UW8.

Glass thickness available in 1/8", 1/4" and 1/2". Low-E available on insulated glass. Tri-wall polycarbonate thickness available in 1/2".

Panels can be aluminum to match the aluminum frame. Glass/acrylic panels may be combined with aluminum panels.

 Impact rated windows available







FRAME/SOLID PANEL COLOR OPTIONS




†Additional cost and lead time may apply.

Due to the anodizing process, slight color variation may occur. The use of "Bronze (Painted)" is recommended for a more consistent bronze finish color. Custom powder coat and anodized finishes available. See your Clopay Dealer for details. Model 904U is not available with powder coat finish.

WINDCODE® AVAILABILITY							
	Model	Drawing #	Max. Width	Max. Height	PSF	Reinforcement	Florida Approved STANDARD
W4	904U/904	105334	12'2"	20'0"	+25/−25	Standard	■
		105581	16'2"	20'0"	+25/−25	1-1/4" L-Angle (2-1-1-1)	■
		105619	18'2"	20'0"	+25/−25	2" L-Angle (2-1-1-1)	■
		105633	20'2"	20'0"	+25/−25	4" 80 KSI T-strut (1-1-1-1)	■
	904	105620	24'2"	20'0"	+25/−25	4" 80 KSI T-Strut (1-1-1-1) and 3" 50 KSI U-Bar (1-1-1-1)	■
W5	904U/904	105621	10'2"	20'0"	+30/−30	Standard	■
		105622	12'2"	20'0"	+32/−32	1-1/4" L-Angle (2-1-1-1)	■
		105525	16'2"	20'0"	+32/−32	2" L-Angle (2-1-1-1)	■
		105623	20'2"	20'0"	+30/−30	4" 80 KSI T-Strut (1-1-1-1)	■
	904	105624	22'2"	20'0"	+30/−30	4" 80 KSI T-Strut (1-1-1-1) and 3" 50 KSI U-Bar (1-1-1-1)	■

	Models	Drawing Number	Max. Width	Max. Height	PSF	Reinforcement	Florida Approved STANDARD	Florida Approved IMPACT RATED	Miami-Dade County
W6	904U/904	105824	9'2"	20'0"	+40/−44	2" L-Angle (2-1-1-1)	■		
		105825	12'2"	20'0"	+40/−44	3" x 2" L-Angle (2-1-1-1)	■		
		105826	16'2"	20'0"	+40/−42	3" x 2" L-Angle (2-1-1-1)	■		
		105827	18'2"	20'0"	+36/−40	3" x 2" L-Angle (2-1-1-1)	■		
		105882	20'2"	20'2"	+36/−40	3" x 2" L-Angle (2-1-1-1)	■		
W8	904U/904	105611	9'2"	20'2"	+52/−58	2" L-Angle (2-1-1-1)		■ 	■ 
		105608	12'2"	20'2"	+52/−58	3" x 2" L-Angle (2-1-1-1)		■ 	■ 
		105609	16'2"	20'2"	+46/−52	3" x 2" L-Angle (2-1-1-1)		■ 	■ 

 Impact rated windows available

architectural series

STEEL FULL-VIEW DOORS

Clopay's steel full-view doors are durable, energy efficient and offer excellent visibility and design options. These doors are a perfect fit for commercial, retail, restaurant and industrial facilities where ease of maintenance, versatility, energy efficiency and durability considerations are all important.

MAXIMUM DURABILITY AND ENERGY EFFICIENCY

- Three-layer construction with thermal break section joints.
- 2" (50.8 mm) thick models with Intellicore® polyurethane insulation bonded to the interior and exterior steel skins.
- R-value 18.4*.

LOW MAINTENANCE WITH LASTING FINISH

- Hot-dipped galvanized steel skin with a baked-on primer and top coat.

VERSATILITY AND DESIGN FLEXIBILITY

- Injection-molded window frames with multiple glazing, size and visibility options.
- New 37" x 8" contemporary slim window frame in black or silver aluminum. Many glass options available.
- Impact rated window options available.
- Minor ribbed or flush exterior skin.
- Variety of color options.

PEACE OF MIND

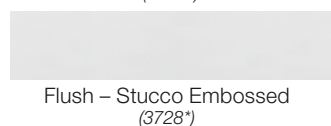
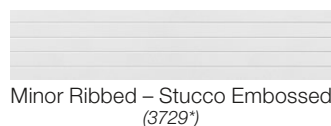
- Ten-year paint and delamination warranty.

*R-value is impacted by the number of windows and window type per section. Calculated R-values for doors featuring a full row of windows, in both insulated and non-insulated glass, is available on our website. Calculated door section R-value is in accordance with DASMA TDS-163. Intellicore® insulation and polystyrene insulation CFC and HCFC free.

For more information about Intellicore® polyurethane insulation see page 8.



PANEL OPTIONS



*Exterior steel surface on a Lustra™ finish door has a smooth texture.
Window heights may vary based on section height.
To view window glazing material options, see page 14.












 Impact rated windows available

WINDOW OPTIONS





Model 3729, 12' x 14' Doors;
Shown with 42" x 16" Lites

WINDCODE® AVAILABILITY									
	Model	Drawing Number	Max. Width	Max. Height	PSF	Reinforcement	Florida Approved STANDARD	Florida Approved IMPACT RATED	Miami-Dade County
W4	3728, 3729	105868	9'2"	18'0"	+38/-42	2-1/4" 30 KSI U-Bar (1-1-0-1)	■		
		105898	16'2"	18'0"	+26/-28	(2) 3" 80 KSI U-Bar per Section	■		
		105847	18'2"	18'0"	+25/-25	(2) 3" 80 KSI U-Bar per Section	■		
		105894	20'2"	18'0"	+38/-42	(1) 4" 80 KSI T-Strut per Section and (1) 3" 80 KSI U-Bar (Bottom Section)	■		
W6	3728, 3729	104859	9'2"	18'0"	+38/-42	3" U-Bar (2-1-2-1)	■	■ 	
		105042	16'2"	18'0"	+38/-42	80 KSI T-Strut (1-1-1-1) 80 KSI 3" U-Bar (1-1-1-1)	■	■ 	
		105188	16'4"	18'2"	+38/-42	80 KSI T-Strut (1-1-1-1) 80 KSI 3" U-Bar (1-1-1-1)	■	■ 	
W8	3728, 3729	105024	9'2"	18'0"	+54/-62	50 KSI T-Strut (1-1-1-1) 80 KSI 3" U-Bar (1-1-1-1)		■ 	■ 
		105050	12'2"	18'0"	+50/-56	50 KSI T-Strut (1-1-1-1) 80 KSI 3" U-Bar (1-1-1-1)		■ 	■ 
		105019	14'2"	18'0"	+46/-52	80 KSI T-Strut (1-1-1-1) 80 KSI 3" U-Bar (1-0-1-0)		■ 	■ 
		105002	16'2"	18'0"	+46/-52	80 KSI T-Strut (1-1-1-1) 80 KSI 3" U-Bar (1-1-1-1)		■ 	■ 

energy series with intellicore

POLYURETHANE INSULATED STEEL DOORS

Clopay's polyurethane insulated steel premier doors provide increased energy savings and advanced comfort using our innovative Intellicore® insulation technology. These doors are a smart choice for climate-controlled manufacturing facilities, warehouses, schools, office spaces and retail facilities.

MAXIMUM DURABILITY AND ENERGY EFFICIENCY

- Three-layer construction with thermal break section joints.
- 3" (76.2 mm), 2" (50.8 mm) or 1-3/4" (44.5 mm) thick models with Intellicore® polyurethane insulation bonded to the interior and exterior steel skins.
- Exterior skin gauge options include 20, 24 or 27 gauge.
- R-values up to 27.2.

(Calculated door section R-value is in accordance with DASMA TDS-163. Intellicore® insulation CFC and HCFC free.)

LOW MAINTENANCE WITH LASTING FINISH

- Hot-dipped galvanized steel skin with a baked-on primer and top coat.

VERSATILITY AND DESIGN FLEXIBILITY

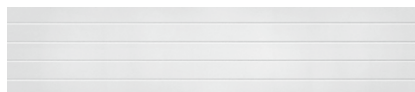
- Injection-molded window frames with multiple glazing and window sizes.
- Multiple steel texture embossments, panel designs and window options.
- Variety of color options.

PEACE OF MIND

- Ten-year paint warranty.



PANEL OPTIONS



Minor Ribbed – Stucco Embossed
(3717, 3720, 3724, 3730)

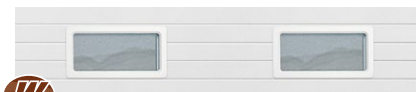


Flush – Stucco Embossed
(3718, 3722)

WINDOW OPTIONS



24" x 8"




24" x 12"



Aluminum Full-View†



26" x 13"

 Impact rated windows available

†Higher wind loads may require extra center stiles.

To view window glazing material options, see page 14.

intellicore®
insulation technology

WARMER. QUIETER. STRONGER.

Commercial doors featuring Intellicore® insulation technology represent the ultimate smart choice. Clopay's Intellicore® insulation is a proprietary polyurethane foam that is injected into the door, expanding to fill the entire structure. The result is a door with incredible strength and durability. Its dense insulation also produces a quieter door, while its industry-leading R-values (up to 18.4) provide year-round comfort and improved energy efficiency.



WARMER OR COOLER

Energy efficiency provides year-round comfort

QUIETER

Dense insulation reduces noise by up to 16 decibels

STRONGER

Enhanced strength resists everyday wear and tear

















Thermal Break



Corrosion-Resistant Retainer




Model 3724, 22'2" x 14' Doors; Shown with 24" x 8" Lites

WINDCODE® AVAILABILITY									
	Model	Drawing #	Max. Width	Max. Height	PSF	Reinforcement	Florida Approved STANDARD	Florida Approved IMPACT RATED	Miami-Dade County
W4	3717, 3718, 3720, 3722, 3724	104993	9'2"	18'0"	+25/-25	None	■		
		104040	10'2"	18'0"	+25/-25	2-1/4" U-Bar (1-0-1-0)	■		
		104640	12'2"	18'0"	+25/-28	2-1/4" U-Bar (2-1-1-1)			
		104956	14'2"	18'0"	+25/-25	3" U-Bar (2-1-1-1)	■		
		105087	20'2"	18'0"	+25/-28	80 KSI T-Strut (1-1-1-1)	■		
		105225	24'2"	18'0"	+25/-25	80 KSI T-Strut (1-1-1-1) 3" U-Bar (1-1-1-1)	■		
W5	3717, 3718, 3720, 3722, 3724	104044	14'2"	18'0"	+30/-34	3" U-Bar (2-1-2-1)	■		
		104643	16'2"	18'0"	+30/-32	3" U-Bar (2-2-2-2)			
		105073	22'2"	18'0"	+30/-30	80 KSI T-Strut (1-1-1-1) 3" U-Bar (1-1-1-1)	■		
W6	3717, 3718, 3720, 3722, 3724	104039	10'2"	18'0"	+37/-44	3" U-Bar (2-1-1-1)	■	■ 	■ 
		104043*	14'2"	18'0"	+37/-42	3" U-Bar (2-2-2-2)	■		■ 
		104861	14'2"	18'0"	+36/-40	3" U-Bar (2-2-2-2)	■	■ 	
		104801	16'2"	18'0"	+37/-42	80 KSI T-Strut (1-1-1-1)	■	■ 	■ 
		104826	18'2"	18'0"	+36/-40	80 KSI T-Strut (1-1-1-1) 3" U-Bar (1-1-1-1)	■	■ 	■ 
W8	3717, 3718, 3720, 3722, 3724	104815	12'2"	18'0"	+52/-58	50 KSI T-Strut (1-1-1-1)		■ 	■ 
		104842	14'2"	18'0"	+52/-58	80 KSI T-Strut (1-1-1-1)		■ 	■ 
	3720, 3722, 3724	104900	16'2"	18'0"	+50/-58	80 KSI T-Strut (1-1-1-1) 80 KSI 3" U-Bar (1-1-1-1)		■ 	■ 

*Not available on 3724.

†Dade Approval PSF is +36/-40.

Model 3730 Florida approval pending.

 Impact rated windows available

POLYSTYRENE INSULATED STEEL DOORS

Clopay's Energy Series doors provide durability and enhanced comfort using our high-quality polystyrene insulation, three-layer construction and thermally broken section joints. These doors are an effective choice for industrial facilities, municipal buildings, warehouses and shipping docks under demanding conditions.

DURABILITY AND ENERGY EFFICIENCY

- Three-layer construction with thermal break section joints.
- 2" (50.8 mm) or 1-3/8" (34.9 mm) thick models with polystyrene insulation bonded to the interior and exterior steel skins.
- Exterior skin gauge options include 20, 24 or 27 gauge.
- R-values up to 9.1*.

LOW MAINTENANCE WITH LASTING FINISH

- Hot-dipped galvanized steel skin with a baked-on primer and top coat.

VERSATILITY AND DESIGN FLEXIBILITY

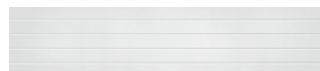
- Injection-molded window frames with multiple glazing and window sizes.
- Multiple steel texture embossments, panel designs and window options.
- Variety of color options.

PEACE OF MIND

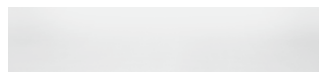
- Ten-year paint and delamination warranty.

*Calculated door section R-value is in accordance with DASMA TDS-163. Polystyrene CFC and HCFC free.

PANEL OPTIONS



Minor Ribbed – Stucco Embossed
(3200)



Flush – Stucco Embossed
(3220)



Elegant Raised – Woodgrain Embossed
(3203)

WINDOW OPTIONS



24" × 8"



24" × 12"



Aluminum Full-View[†]



19-1/2" × 12"

[†]Higher wind loads may require extra center stiles.
To view window glazing material options, see page 14.

RUST-PREVENTION SYSTEM



Steel skins are protected through a tough, layered coating system, including a hot-dipped galvanized layer, a protective metal oxide pretreatment and a baked-on primer and top coat. Ten-year warranty against rust-through.



Model 3200, 12' 2" × 14' Doors; Shown with 24" × 8" Lites





WINDCODE® AVAILABILITY									
	Model	Drawing #	Max. Width	Max. Height	PSF	Reinforcement	Florida Approved STANDARD	Florida Approved IMPACT RATED	Miami-Dade County
W4	3200, 3220	104994	9'2"	18'0"	+25/-25	None	■		
		101687	12'2"	18'0"	+25/-28	2-1/4" U-Bar (2-1-1-1)	■		
		104971	14'2"	18'0"	+25/-25	3" U-Bar (2-1-1-1)	■		
		105198	20'2"	18'0"	+25/-28	80 KSI T-Strut (1-1-1-1)	■		
		105197	24'2"	18'0"	+25/-25	80 KSI T-Strut (1-1-1-1) 3" U-Bar (1-1-1-1)	■		
	3203	101758	9'0"	14'0"	+28/-29	2-1/4" U-Bar (varies)	■		
		101760	16'2"	14'0"	+25.5/-25.5	3" U-Bar (2-1-1-1)	■		
W5	3200, 3220	200040	16'2"	18'0"	+30/-32	3" U-Bar (2-2-2-2)	■		
W6	3200, 3220	101617	10'2"	18'0"	+37/-40	3" U-Bar (2-1-1-1)	■		
		101678	12'2"	18'0"	+40/-40	3" U-Bar (2-1-2-1)	■		
W8	3200	101705	12'2"	18'0"	+52/-58	4" C-Channel (1-1-1-1)		■	

industrial series

RIBBED STEEL DOORS

Clopay's Industrial Series doors feature a variety of panel designs and a wide selection of steel gauges to meet your design, durability and budget requirements. These doors are a great choice for high traffic applications including industrial facilities, warehouses, distribution centers and loading docks.

DURABILITY AND ENHANCED COMFORT

- One or two-layer construction in 20, 24 and 25 gauge options.
- Two-layer models with optional vinyl or steel back polystyrene insulation.
- R-values up to 6.6*.

EASE OF MAINTENANCE WITH LONG LASTING FINISH

- Hot-dipped galvanized steel skin with a baked-on primer and top coat.

DESIGN FLEXIBILITY

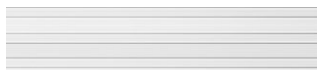
- Multiple steel texture embossments and panel designs.
- Multiple window options.
- Variety of color options.

PEACE OF MIND

- Ten-year paint warranty.

*Calculated door section R-value is in accordance with DASMA TDS-163.

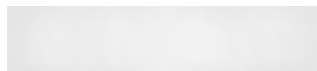
PANEL OPTIONS



Deep Ribbed – Smooth Surface
(525, 524, 520)



Classic Raised – Woodgrain Embossed
(664, 664V)



Flush (4F)

WINDOW OPTIONS



24" × 6"



24" × 12"



Aluminum Full View†



19-1/2" × 12"

†Higher wind loads may require extra center stiles.
To view window glazing material options, see page 14.

RUST-PREVENTION SYSTEM



Steel skins are protected through a tough, layered coating system, including a hot-dipped galvanized layer, a protective metal oxide pretreatment and a baked-on primer and top coat. Ten-year warranty against rust-through.



2" ribbed steel doors are available
with polystyrene insulation or non-insulated

WINDCODE® AVAILABILITY

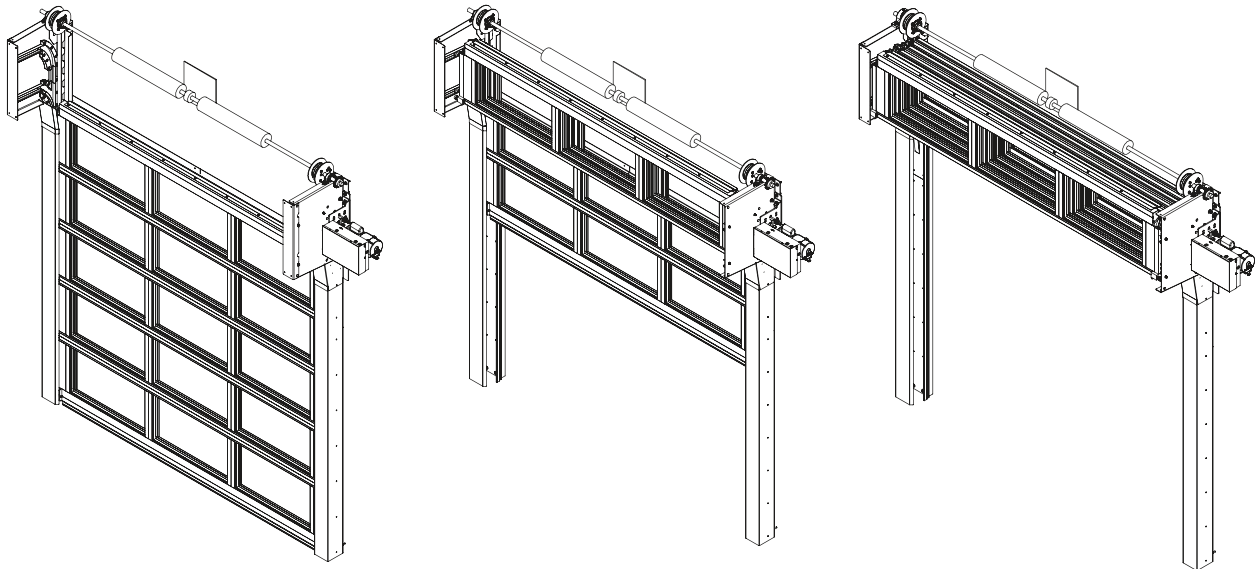
	Model	Drawing #	Max. Width	Max. Height	PSF	Reinforcement	Florida Approved STANDARD	Florida Approved IMPACT RATED	Miami-Dade County
W4	524, 524V, 524S, 520, 520S	105412	9'2"	18'0"	+25/-25	2-1/4" U-Bar (1-1-1-1)	■		
	525, 525V, 525S, 524, 524V, 524S, 520, 520S	101856	12'2"	18'0"	+25/-25	3" U-Bar (2-1-1-1)	■		
	524, 524V, 524S, 520, 520S	105032	16'2"	18'0"	+25/-25	50 KSI T-Strut (1-1-1-1)	■		
		105077	20'2"	18'0"	+25/-25	80 KSI T-Strut (1-1-1-1)	■		
		105196	24'2"	18'0"	+25/-25	80 KSI T-Strut (1-1-1-1) 3" U-Bar (1-1-1-1)	■		
W5	525, 525V, 525S	105676	9'2"	18'0"	+30/-30	2-1/4" U-Bar (1-1-1-1)	■		
	524, 524V, 524S, 520, 520S	101874	8'2"	18'0"	+30/-30	2-1/4" U-Bar (1-1-1-1)	■		
		101875	10'2"	18'0"	+30/-30	3" U-Bar (1-1-1-1)	■		
		101869	12'2"	18'0"	+30/-30	3" U-Bar (2-2-2-2)	■		
		105033	16'2"	18'0"	+32/-32	80 KSI T-Strut (1-1-1-1)	■		
		105064	22'2"	18'0"	+30/-30	80 KSI T-Strut (1-1-1-1) 3" U-Bar (1-1-1-1)	■		
W6	524, 524V, 524S, 520, 520S	102445	10'2"	18'0"	+37/-42	3" U-Bar (2-1-2-1)	■	■	■
		102446	12'2"	18'0"	+37/-42	3" U-Bar (2-2-2-2)	■		
		104811	12'2"	18'0"	+36/-42	3" U-Bar (2-2-2-2)		■	
		104924	14'2"	18'0"	+38/-42	50 KSI T-Strut (1-1-1-1)		■	■
	524, 520	104858	16'2"	18'0"	+38/-42	80 KSI T-Strut (1-1-1-1)		■	■
	4F	104753	16'2"	16'0"	+38/-42	50 KSI T-Strut (1-1-1-1)	■	■	■
		104761	18'2"	16'0"	+36/-42	80 KSI T-Strut (1-1-1-1) 80 KSI 3" U-Bar (1-0-1-0)	■	■	■
W7	4F	101702	9'0"	16'0"	+42/-48	2-1/4" U-Bar (1-1-0-1)		■	■
W8	524, 520	104813	12'2"	18'0"	+52/-58	50 KSI T-Strut (1-1-1-1)		■	■
		104812	14'2"	18'0"	+52/-58	80 KSI T-Strut (1-1-1-1) 80 KSI 3" U-Bar (1-1-1-1)		■	■
	4F	103547	9'0"	16'0"	+48/-54	3" U-Bar (2-2-2-2)		■	■
		104754	16'2"	16'0"	+46/-20	80 KSI T-Strut (1-1-1-1)		■	■
W9	4F	104847	9'0"	16'0"	+62/-72	50 KSI T-Strut (1-1-1-1)		■	■

STACKING SERIES



VERTISTACK™ CLEAR DOOR – MODEL VS904

The VertiStack™ Clear door utilizes unique, compact stacking sections that take up minimal ceiling space, so it won't interfere with mechanical, electrical or plumbing fixtures. Vertically stacked sections with minimal projection on the wall allow for a clear and open ceiling. The sections can even be recessed into the ceiling if desired. Designed to operate smoothly and quietly, the door will not disturb patrons when operating.

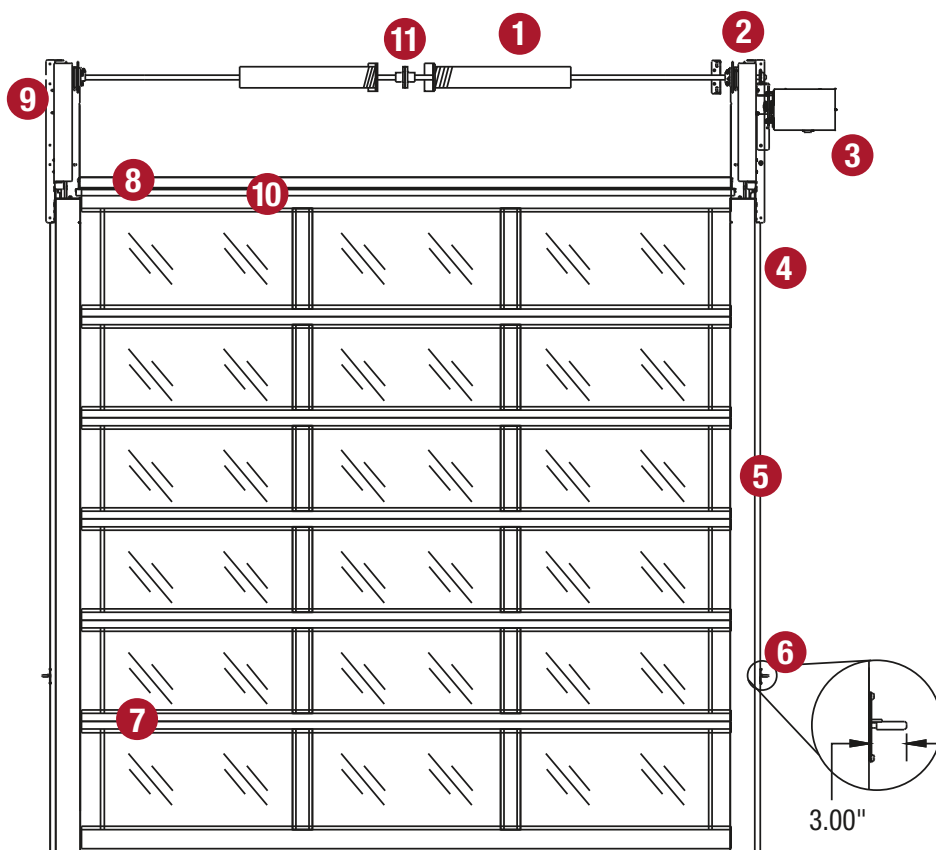


WINDCODE® AVAILABILITY

	Models	Drawing Number	Max. Width	Max. Height	PSF	Reinforcement	Florida Approved STANDARD	Florida Approved IMPACT RATED	Miami-Dade County	TDI Listed STANDARD	TDI Listed IMPACT RATED
W4	VS904, VS904U	105829	14'6"	16'0"	+25/-25	None	■				

STANDARD COMPONENT MATERIALS AND FINISHES

1. **TORSION SPRINGS**
25,000-cycle springs
2. **STRAP SPOOL**
2" nylon strap in lieu of cable
3. **OPERATOR**
Side mount shown
Top and front mounts are also available
4. **GUIDE COVERS**
Slip-on design with no visible fasteners,
powder coated in RAL 9005 (Jet Black)
5. **VINYL WEATHER SEAL**
Clips onto guide channel
ASTM E283 Air Leakage Rating
6. **MANUAL LOCK**
Integrated into guide cover (1 per guide)
7. **SECTIONS**
Clear anodized aluminum (standard)
8. **HEADER CHANNEL**
For top seal contact, cable
management and installation tool
9. **HEAD PLATES**
Powder coated in RAL 9005 (Jet Black)
10. **TOP SEAL**
Mounts to top section
11. **SHAFT COUPLER**



OPERATION AND STRUCTURAL REQUIREMENTS

Motor operation required.

The standard VertiStack™ operator includes an auxiliary hand chain for emergency use only. This product is supported by a guide assembly attached to the jamb construction. Header support is required for mounting counterbalance system as would be required with any standard sectional door. Adding an optional hood to a wider door may require hood supports.

For interior mount only.

OPTIONAL GLASS AND FINISHES

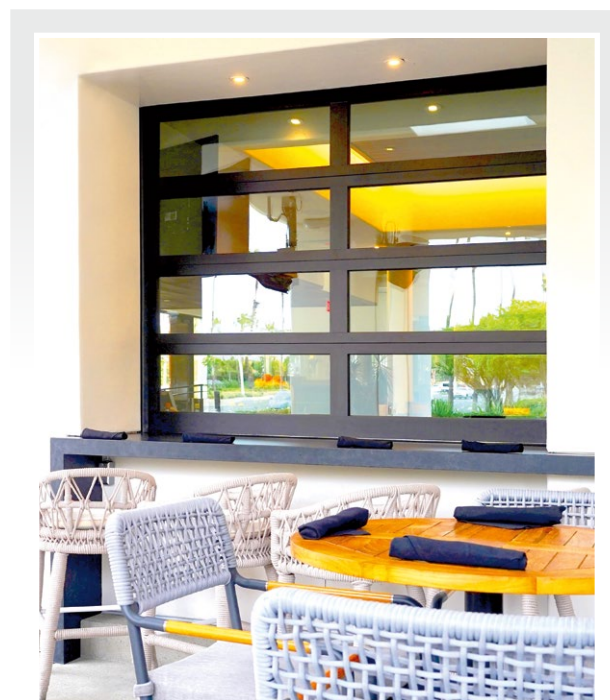
- A variety of glass and acrylic panels are available, including tempered, insulated, frosted and Low-E options available in thicknesses of 1/8", 1/4", 1/2" and 5/8"
- Anodized finishes: Clear, Black, Bronze, Dark Bronze
- Paint finishes: Chocolate, White and Bronze

AVAILABLE SAFETY FEATURES

- Photo eye sensors (concealed by guide covers)
- Wireless sensing edge (only available on doors over 53" high)

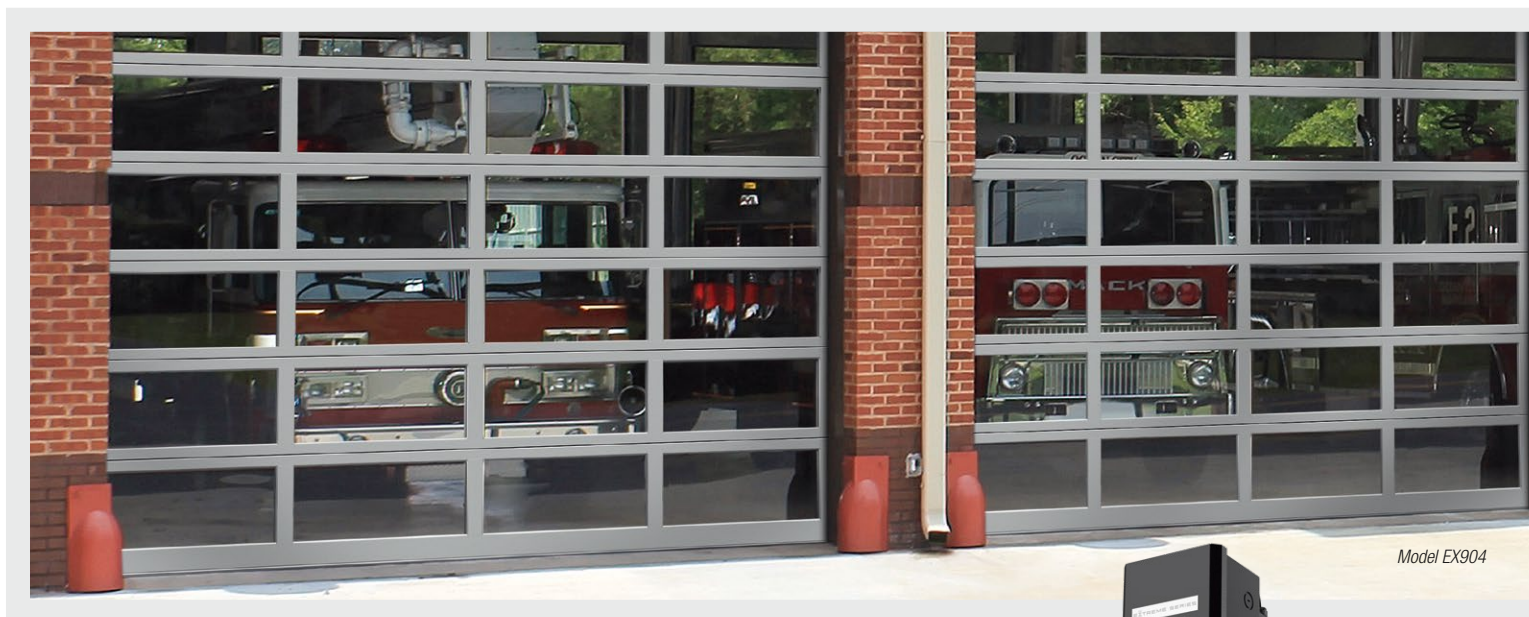
CERTIFICATIONS AND LISTINGS

- ±25 PSF Design Pressure – WindCode® W4
- Meets ASHRAE® 90.1, Title 24 and IECC® (International Energy Conservation Code) 2021 Section C406.9 Air Infiltration requirements with an independently tested value of 0.2 cfm/ft²



EXTREME SERIES

POWERED BY **LiftMaster**



HIGH PERFORMANCE SECTIONAL DOOR SYSTEM

The Clopay® Extreme™ Series High Performance Sectional Door System boasts an average opening speed of 24" per second, allowing productivity to flourish while also delivering the aesthetic you're looking for. Tandem nylon rollers improve roller life and reduce running noise for smooth, quiet operation while safety stays top of mind with enhanced features such as 3' of light curtain protection, a cable management system and standard cable tension monitors.



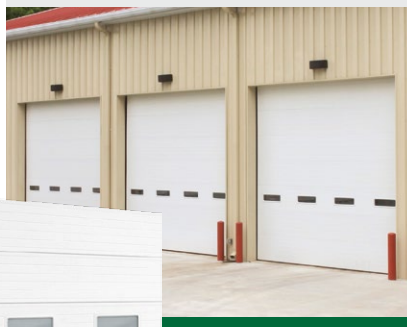
EXTREME™ SERIES AVAILABILITY

architectural series



EX904, EX904U

energy series with intellicore



EX3724, EX3722,
EX3720, EX3717,
EX3718

energy series



EX3200, EX3220

Visit clopaycommercial.com for series product details or for more information,
reference product spreads throughout this brochure



WINDCODE® AVAILABILITY											
	Models	Drawing Number	Max. Width	Max. Height	PSF	Reinforcement	Florida Approved STANDARD	Florida Approved IMPACT RATED	Miami-Dade County	TDI Listed STANDARD	TDI Listed IMPACT RATED
W4	EX3200, EX3220	104994	9'2"	14'0"	+25/-25	None	■				
		101687	12'2"	14'0"	+25/-28	2-1/4" U-Bar (2-1-1-1)	■			■	
		104971	14'2"	14'0"	+25/-25	3" U-Bar (2-1-1-1)	■				
	EX3717, EX3718, EX3720, EX3722, EX3724	104993	9'2"	14'0"	+25/-25	None	■				
		104040	10'2"	14'0"	+25/-25	2-1/4" U-Bar (1-0-1-0)	■				
		104640	12'2"	14'0"	+25/-29	2-1/4" U-Bar (2-1-1-1)	■				
		104956	14'2"	14'0"	+25/-25	3" U-Bar (2-1-1-1)	■				
	EX904, EX904U	105334	12'2"	14'0"	+25/-25	None	■			■	
		105581	16'2"	14'0"	+25/-25	1-1/4" L-Angle (2-1-1-1)	■				
W5	EX3200, EX3220	200040	16'2"	14'0"	+30/-30	3" U-Bar (2-2-2-2)	■			■	
	EX3717, EX3718, EX3720, EX3722, EX3724	104044	14'2"	14'0"	+30/-34	3" U-Bar (2-1-2-1)	■	■			
		104643	16'2"	14'0"	+30/-30	3" U-Bar (2-2-2-2)	■	■			
	EX904, EX904U	105621	10'2"	14'0"	+30/-30	None	■				
		105622	12'2"	14'0"	+32/-32	1-1/4" L-Angle (2-1-1-1)	■				
		105525	16'2"	14'0"	+32/-32	2" L-Angle (2-1-1-1)	■				



GLAZING MATERIAL OPTIONS – SECTIONAL DOORS

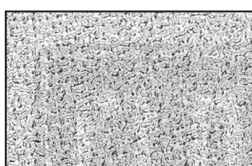
ARCHITECTURAL SERIES STEEL FULL-VIEW, ENERGY SERIES WITH INTELICORE®, ENERGY SERIES AND INDUSTRIAL SERIES



Clear Glass



Frosted Glass



Obscure Glass



Narrow Reed Glass



Clear Acrylic

Tempered glass options available.

For full-view glass options, see Architectural Series Aluminum Full-View Doors page 5.

IMPACT WINDOW OPTIONS

ARCHITECTURAL SERIES STEEL FULL-VIEW AND ENERGY SERIES WITH INTELICORE®



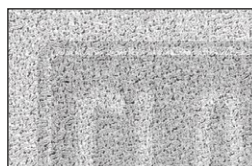
Clear Polycarbonate



Bronze Polycarbonate



Matte
Polycarbonate



Pebble
Polycarbonate

COLOR OPTIONS – STEEL SECTIONAL DOORS



*Additional charges apply.
Due to the printing process, colors may vary.

AVAILABILITY		Standard White	Almond	Desert Tan	Sandtone	Commercial Tan	Bronze	Chocolate	Mocha Brown	Hunter Green	Gray	Charcoal	Black	Trinar® White	Trinar® Beige	Lustra™ Black	Lustra™ Charcoal	Lustra™ Silver
ARCHITECTURAL SERIES	3728, 3729	■	■	■	■		■	■	■		■	■	■	■		■	■	■
	3717, 3718	■				■	■	■	■		■	■		■	■			
ENERGY SERIES WITH INTELLICORE	3720	■				■	■	■	■		■	■		■	■			
	3722	■						■										
	3724	■				■		■			■		■	■				
	3730	■						■										
	3200	■				■		■			■		■	■				
ENERGY SERIES	3220	■						■										
	3203	■	■	■	■			■						■	■			
	525, 525V, 525S	■						■										
INDUSTRIAL SERIES	524, 524V, 524S	■				■					■			■				
	520, 520S	■						■										
	664, 664V	■	■	■	■			■										
	4F	■	■	■	■			■										

For Model 904U/904 color availability please refer to page 5.

CUSTOM PAINT OPTION

Color Blast® finish offers more than 1,500 Sherwin-Williams® color options to complement your building's color scheme. The resilient two-part polyurethane based paint system is specially formulated for excellent adhesion and stability on steel, aluminum, vinyl and plastics. This provides a high-quality, durable and professional finish for your garage door.

- Available on most sectional steel, overlay and aluminum commercial door models. (Not available on flush Models 522 and 522S, and breakaway bottom sections.)
- Backed by a five-year warranty.
- Meets American Architectural Manufacturing Association 2604 standards.
- Solar reflective paint technology results in lower surface temperatures compared with standard paints and may be required on some products to allow darker colors to be used.
- Provide the Sherwin-Williams® 4-digit color code to get started with your match.

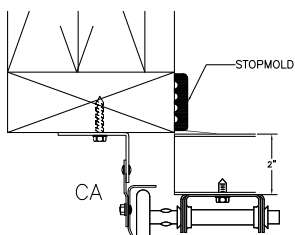
Some colors may not be available as an exact match. These include, but are not limited to, some bright colors such as reds, blues and greens required in solar reflective formulation, metallic colors or non-solid colors like woodgrains.

For more information visit: www.clopaydoor.com/colorblast

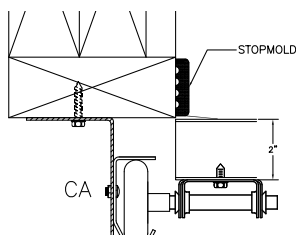


FRAMING AND TRACK OPTIONS

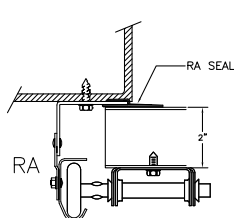
JAMB TYPES (shown from above)



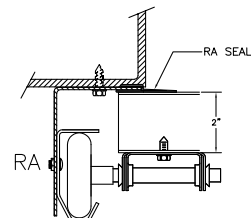
2" WOOD JAMB



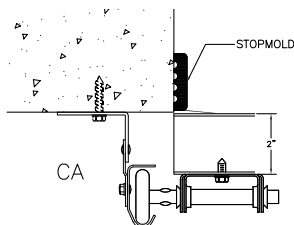
3" WOOD JAMB



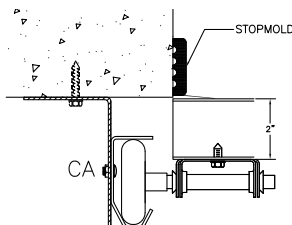
2" STEEL JAMB



3" STEEL JAMB

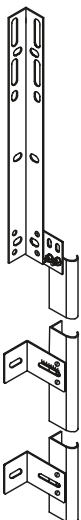


2" MASONRY JAMB

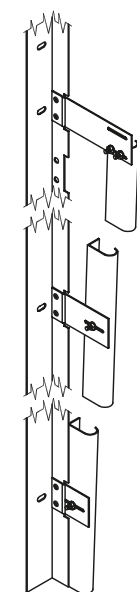


3" MASONRY JAMB

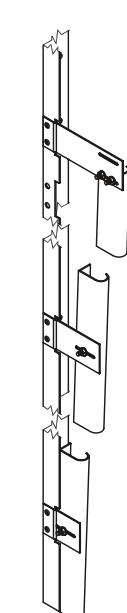
VERTICAL TRACK MOUNTING OPTIONS



2" BRACKET MOUNT



2" OR 3" CLIP MOUNT CONTINUOUS ANGLE



2" OR 3" CLIP MOUNT REVERSE ANGLE



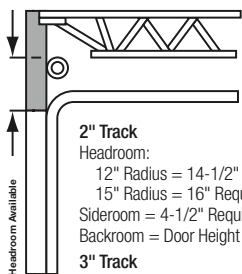
3" FULL TAPERED REVERSE OR CONTINUOUS ANGLE

HIGH CYCLE SPRINGS



25,000, 50,000 or 100,000 cycle springs available.

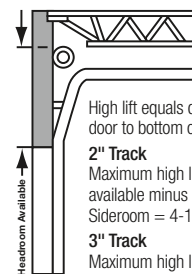
STANDARD RADIUS



2" Track
Headroom:
12" Radius = 14-1/2" Required
15" Radius = 16" Required
Sideroom = 4-1/2" Required
Backroom = Door Height + 23" Required

3" Track
Headroom = 18" Required
Sideroom = 5-1/2" Required
Backroom = Door Height + 25" Required

HIGH LIFT

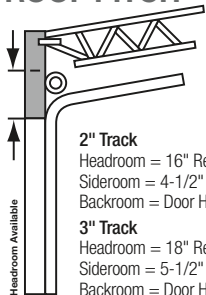


High lift equals distance from top of door to bottom of horizontal track.

2" Track
Maximum high lift equals headroom available minus 14"
Sideroom = 4-1/2" Required

3" Track
Maximum high lift equals headroom available minus 15"
Sideroom = 5-1/2" Required
(Minimum high lift = 12" Required)

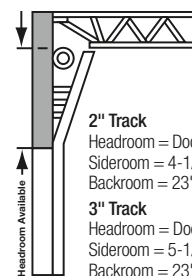
ROOF PITCH



2" Track
Headroom = 16" Required
Sideroom = 4-1/2" Required
Backroom = Door Height + 23" Required

3" Track
Headroom = 18" Required
Sideroom = 5-1/2" Required
Backroom = Door Height + 25" Required

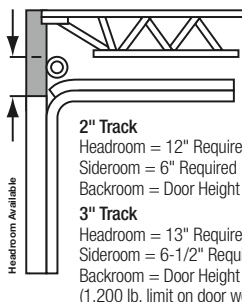
VERTICAL LIFT



2" Track
Headroom = Door Height + 12" Required
Sideroom = 4-1/2" Required
Backroom = 23" Required

3" Track
Headroom = Door Height + 12" Required
Sideroom = 5-1/2" Required
Backroom = 23" Required

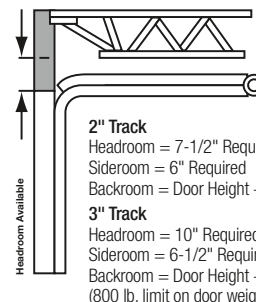
LOW HEADROOM FRONT MOUNT



2" Track
Headroom = 12" Required
Sideroom = 6" Required
Backroom = Door Height + 23" Required

3" Track
Headroom = 13" Required
Sideroom = 6-1/2" Required
Backroom = Door Height + 25" Required
(1,200 lb. limit on door weight)

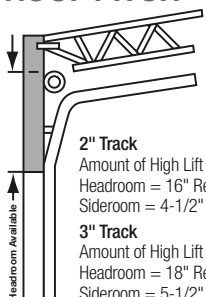
LOW HEADROOM REAR MOUNT



2" Track
Headroom = 7-1/2" Required
Sideroom = 6" Required
Backroom = Door Height + 30" Required

3" Track
Headroom = 10" Required
Sideroom = 6-1/2" Required
Backroom = Door Height + 32" Required
(800 lb. limit on door weight)

HIGH LIFT WITH ROOF PITCH



2" Track
Amount of High Lift + 16"
Headroom = 16" Required
Sideroom = 4-1/2" Required

3" Track
Amount of High Lift + 18"
Headroom = 18" Required
Sideroom = 5-1/2" Required

Headroom = Top of door to nearest obstruction (truss)

Up to 4" of additional headroom may be required for a trolley door opener.

Note: These are general headroom requirements. Additional headroom may be required depending on door type, door height, drums, spring type or other options selected.

rolling steel series

ROLLING SERVICE DOORS

Clopay's rolling service doors are designed with ease of maintenance and longevity in mind. These doors are perfect for providing security against entry and weather protection for exterior or interior openings in industrial, commercial, institutional and other buildings.

WINDCODE®

- Options available to meet the full scope of wind load requirements for general wind load, Texas Department of Insurance (TDI) and Florida Building Code (FBC).
- PSF for TDI will vary based on the door size and gauge:
 - Service Door – up to 65 PSF
 - Insulated Service Door – up to 120 PSF
- PSF for FBC will vary based on the door size, gauge and mounting:
 - Service Door – up to 100 PSF
 - Insulated Service Door – up to 120 PSF
- Available with 50 FPS or 80 FPS missile impact rating (varies by the gauge of the curtain slat).

DURABILITY

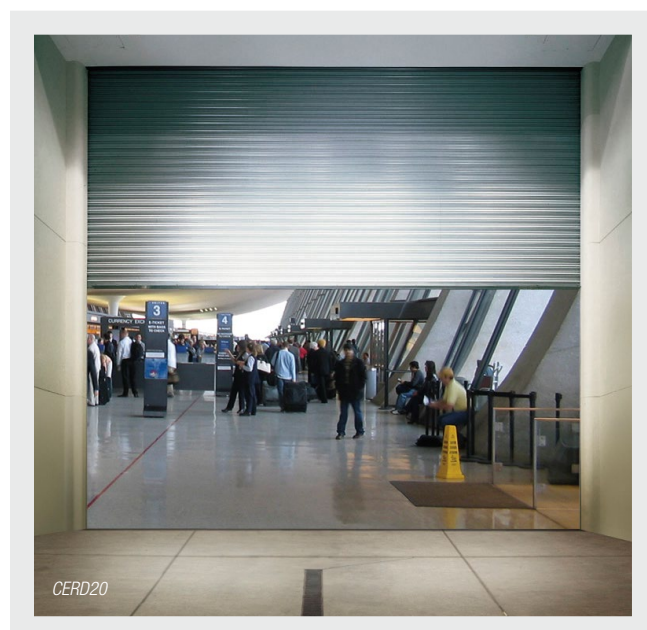
- Available in galvanized or stainless steel, with optional insulation.
- Powder-coated guides, bottom bars and head plates.

FLEXIBILITY

- Available for operation by motor, hand-chain, crank and push-up.
- Can be mounted to steel, masonry or CMU.

PEACE OF MIND

- Two-year material and workmanship warranty.
- Rated for 50,000 cycles.



FIRE-RATED DOORS

Clopay's fire-rated doors are an exceptional choice for providing fire protection and security against entry at exterior or interior openings in industrial, commercial, institutional and other buildings.

FIRE RATING

- Factory Mutual Approved and UL listed.
- Fire protection ratings of 3/4, 1-1/2, 3 and 4 hours.

WINDCODE®

- Options available to meet the full scope of wind load requirements for general wind load, Texas Department of Insurance (TDI) and Florida Building Code (FBC).
- PSF for TDI will vary based on the door size and gauge:
 - Service Door – up to 65 PSF
 - Insulated Service Door – up to 120 PSF
- PSF for FBC will vary based on the door size, gauge and mounting:
 - Service Door – up to 100 PSF
 - Insulated Service Door – up to 120 PSF
- Available with 50 FPS or 80 FPS missile impact rating, which will vary by the gauge of the curtain slat.

DURABILITY

- Available in galvanized and stainless steel, with optional insulation.
- Powder-coated guides, bottom bars and head plates.

FLEXIBILITY

- Available for activation by alarm or thermally, both with motor or manual operation.
- Can be mounted to steel, masonry or CMU.

PEACE OF MIND

- Two-year material and workmanship warranty.
- Rated for 50,000 cycles.

COLOR OPTIONS – ROLLING DOORS



Custom powder coat RAL colors available. Due to the printing process, colors may vary.

rolling steel series

ROLL-UP SHEET DOORS

Clopay Roll-Up Sheet Doors are low maintenance, have a long lasting finish and are designed for easy installation. These doors are ideal for mini-warehouse and storage facilities.

WINDCODE®

- W3 to W8 doors available up to 43 PSF in many sizes and colors. Ratings vary for other opening widths; consult factory.

LOW MAINTENANCE WITH LASTING FINISH

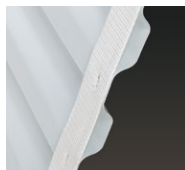
- 26 gauge (24 for W8 WindCode® rating) hot-dipped galvanized steel curtain with a baked-on silicone polyester finish inside.
- Hot-dipped galvanized steel roll-formed guides (18 gauge 150C, 16 gauge 157C and 12 gauge 160C).
- Self-lubricating wear strips on curtain prevent metal-to-metal contact, providing quieter operation.
- Heavy-duty bottom bar withstands the external elements.
- Full bulb bottom weather-strip helps ensure proper fit along irregular floors.

DESIGN OPTIONS

- Multiple color options (W8 doors available in White only).

PEACE OF MIND

- Forty-year chalking warranty, twenty-five year anti-fade warranty.
- Three-year hardware warranty (150C), one-year hardware warranty (157C, 160C).



CORRUGATED PANEL DESIGN

26 or 24 gauge steel, roll formed from ASTM A653 grade 80 full hard steel, interlocked and seamed together to make a continuous curtain for full height of door. *Model 157C shown.*



Model 157C, Roll-Up Sheet Door

COLOR OPTIONS – ROLL-UP DOORS

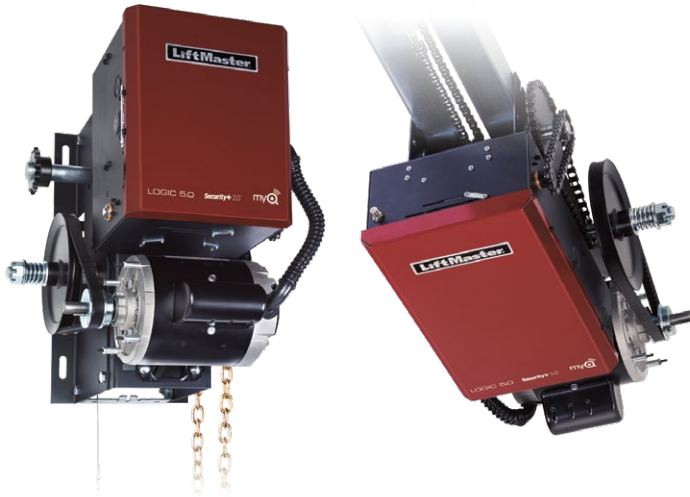
			
Glossy White	White	Silhouette Gray	Light Stone
			
Desert Tan	Sandstone	Bronze	Continental Brown
			
Maroon	Cedar Red	Valentine Red	Sierra Sunset
			
Sunset Orange	Teal	Dark Teal	Fern Green
			
Evergreen	Forest Green	Royal Blue	Polar Blue

Due to the printing process, colors may vary. Color availability may vary on WindCode® models.

All colors are backed by a film integrity warranty for 40 years guaranteed to hold up against cracking, checking or peeling. In addition, these colors are guaranteed not to chalk or fade for 25 years.

COMMERCIAL OPERATORS

LiftMaster
GARAGE DOOR OPENERS



Clopay offers a full line of commercial openers designed to fit most applications.

- Jackshaft and trolley-driven openers to meet design and power requirements.
- Latest technology including MyQ® Technology to monitor or control the operator with Wi-Fi and smartphone capabilities.
- Available for single or three-phase power.
- Belt driven or gear driven to meet your specification requirements.
- Solenoid brakes are available on most models.
- Full line of safety equipment and accessories.



OPERATOR ACCESSORIES

- Sensing edges.
- Red/green traffic lights.
- Loop detectors.
- Damp environment/corrosion resistant modification.
- Many other modifications and accessories to meet your project requirements.



PRODUCT SELECTION CHART

ARCHITECTURAL SERIES (ALUMINUM FULL-VIEW DOORS)								
Model	Steel Emboss	Exterior Skin Pattern	Gauge	Section Thickness	Insulation	Max. Width*	Max. Height*	R-value
904U	–	Aluminum/Glass	–	2-1/8"	Intellicore® Polyurethane	20'2"	20'0"	3.8
904	–	Aluminum/Glass	–	2-1/8"	–	24'2"	20'0"	–

ARCHITECTURAL SERIES (STEEL FULL-VIEW DOORS)								
Model	Steel Emboss	Exterior Skin Pattern	Gauge	Section Thickness	Insulation	Max. Width*	Max. Height*	R-value
3728†	Stucco	Flush	27	2"	Intellicore® Polyurethane	20'2"	18'0"	18.4‡
3729†	Stucco	Minor Ribbed	27	2"	Intellicore® Polyurethane	20'2"	18'0"	18.4‡

ENERGY SERIES WITH INTELICORE®								
Model	Steel Emboss	Exterior Skin Pattern	Gauge	Section Thickness	Insulation	Max. Width*	Max. Height*	R-value
3730†	Stucco	Minor Ribbed	27	3"	Intellicore® Polyurethane	30'2"	18'0"	27.2
3722†	Stucco	Flush	20	2"	Intellicore® Polyurethane	24'2"	18'0"	18.4
3724†	Stucco	Minor Ribbed	24	2"	Intellicore® Polyurethane	24'2"	18'0"	18.4
3720†	Stucco	Minor Ribbed	27	2"	Intellicore® Polyurethane	24'2"	18'0"	18.4
3717†	Stucco	Minor Ribbed	27	1-3/4"	Intellicore® Polyurethane	24'2"	18'0"	16.2
3718†	Stucco	Flush	27	1-3/4"	Intellicore® Polyurethane	24'2"	18'0"	16.2

ENERGY SERIES								
Model	Steel Emboss	Exterior Skin Pattern	Gauge	Section Thickness	Insulation	Max. Width*	Max. Height*	R-value
3220†	Stucco	Flush	20	2"	Polystyrene	24'2"	18'0"	9.1
3200†	Stucco	Minor Ribbed	24	2"	Polystyrene	24'2"	18'0"	9.1
3203†	Woodgrain	Raised Panel	24	2"	Polystyrene	16'0"	14'0"	9.1

INDUSTRIAL SERIES								
Model	Steel Emboss	Exterior Skin Pattern	Gauge	Section Thickness	Insulation	Max. Width*	Max. Height*	R-value
520 (S)	Smooth	Minor+Deep Ribs	20	2"	Polystyrene or Non-insulated	24'2"	18'0"	6.6**
524 (S,V)	Smooth	Minor+Deep Ribs	24	2"	Polystyrene or Non-insulated	24'2"	18'0"	6.6**
525 (S,V)	Smooth	Minor+Deep Ribs	25	2"	Polystyrene or Non-insulated	14'2"	18'0"	6.6**
664 (V)	Woodgrain	Raised Panel	24	2"	Polystyrene or Non-insulated	16'2"	14'0"	6.3**
4F	Woodgrain	Flush	24	2"	Non-insulated	18'2"	16'0"	–

ROLLING STEEL DOORS

Service Doors

Model	Description	Insulation	Gauge	R-value	Slat Material
CESD10	Heavy Duty Service Door	Non-insulated	18 to 24	–	Aluminum, Galvanized or Stainless Steel
CESD20	Heavy Duty Service Door	Insulated	18 to 24	8.1	Aluminum, Galvanized or Stainless Steel
CERD10	Heavy Duty Fire Rated Service Door	Non-insulated	18 to 22	–	Galvanized Steel or Stainless Steel
CERD20	Heavy Duty Fire Rated Service Door	Insulated	18 to 22	8.1	Galvanized Steel or Stainless Steel
CERD11	Heavy Duty Fire and Smoke Rated Service Door	Non-insulated	18 to 22	–	Galvanized Steel or Stainless Steel
CERD21	Heavy Duty Fire and Smoke Rated Service Door	Insulated	18 to 22	8.1	–

Rolling Sheet Doors

Model	Description	Insulation	Curtain Gauge	Coil	Material
160C	Heavy Duty	Available	26	12"	Galvanized Steel
157C	Medium Duty	Available	26	12"	Galvanized Steel
150C	Light Duty	Available	26	9"	Galvanized Steel

*All widths may not be available in all heights. Consult the factory for more details. Maximum sizes vary by door WindCode® rating. **For insulated models (S, V) only.

†Clipay complies with the 2015 IECC (International Energy Conservation Code) with an air infiltration rating of .40 cfm/ft² or less (IECC, Section 402.5.2), and also meets the U-factor requirement of .37 or less (IECC, Section C402.4, for Climate Zones 1 through 8).

‡R-value is impacted by the number of windows and window type per section.
Calculated R-values for doors featuring a full row of 3/4" (19.1 mm) insulated windows is available on our website.
Depending on wind load requirements, some sizes may not be available.

Find Your Solution With Clipay



Our team of Clipay commercial door experts is always ready to assist. To find the Clipay commercial door that's right for your application, visit clipaycommercial.com or architectdoorhelp.com. To locate a dealer go to clipaydoor.com/where-to-buy/commercial or call 1-800-2CLOPAY (225-6729).



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