

WIND CODE[®]

ARE YOU READY FOR THE STORM?



upgrade
your expectations



WINDCODE[®] COMMERCIAL DOORS

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 the minimum wind speed (MPH) your door must meet or exceed from the map.

This map is to help determine your “W” rating, and should be used as a guideline only. Contact your local building code official to determine the proper wind load requirements in your area. For Florida, please refer to the Florida WINDCODE[®] Edition.



STEP 2:

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

Exposure B typically urban or suburban setting or wooded terrain.

Exposure C open terrain with scattered obstructions, flat open ground, grasslands or shorelines in hurricane-prone regions.

STEP 3:

- Using wind speed (MPH) and exposure, find your required design pressure and WINDCODE[®] “W” rating in the charts on page 3.



APPROXIMATE DESIGN PRESSURES

The design wind load pressure rating of a door is expressed in PSF (pounds per square foot). The design pressure of the door must equal or exceed the design pressure for the garage door opening in which a door is to be installed. Design pressure has positive and negative values.

For exact pressure go to the Clopay WINDCODE® Calculator at www.clopaydoor.com/commercial-support-center.

COMMERCIAL DOOR WIND LOAD GUIDE – VALUES IN PSF									
Mean Roof Height	Door Size	Based on ASCE7-98, ASCE7-02, ASCE7-05 Exposure B, 85 – 150 MPH Basic Design Wind Speed, MPH							
		Nominal Wind Speed →	85 MPH	90 MPH	100 MPH	110 MPH	120 MPH	130 MPH	140 MPH
15 Feet One Story	8' x 8'	10.5 -11.9	11.7 -13.3	14.5 -16.4	17.5 -19.9	20.9 -23.6	24.5 -27.7	28.4 -32.2	32.6 -36.9
	10' x 10'	10.1 -11.4	11.4 -12.7	14.0 -15.7	17.0 -19.0	20.2 -22.7	23.7 -26.6	27.5 -30.8	31.6 -35.4
	14' x 14'	10.0 -10.7	10.8 -12.0	13.3 -14.8	16.1 -17.9	19.2 -21.4	22.5 -25.1	26.1 -29.1	30.0 -33.4
25 Feet Two Story	8' x 8'	10.5 -11.9	11.7 -13.3	14.5 -16.4	17.5 -19.9	20.9 -23.6	24.5 -27.7	28.4 -32.2	32.6 -36.9
	10' x 10'	10.1 -11.4	11.4 -12.7	14.0 -15.7	17.0 -19.0	20.2 -22.7	23.7 -26.6	27.5 -30.8	31.6 -35.4
	14' x 14'	10.0 -10.7	10.8 -12.0	13.3 -14.8	16.1 -17.9	19.2 -21.4	22.5 -25.1	26.1 -29.1	30.0 -33.4
Mean Roof Height	Door Size	Based on ASCE7-98, ASCE7-02, ASCE7-05 Exposure C, 85 – 150 MPH Basic Design Wind Speed, MPH							
		Nominal Wind Speed →	85 MPH	90 MPH	100 MPH	110 MPH	120 MPH	130 MPH	140 MPH
15 Feet One Story	8' x 8'	12.7 -14.4	14.3 -16.1	17.6 -19.9	21.3 -24.1	25.4 -28.7	29.8 -33.7	34.5 -39.1	39.6 -44.8
	10' x 10'	12.3 -13.8	13.8 -15.5	17.0 -19.1	20.6 -23.1	24.5 -27.5	28.8 -32.3	33.4 -37.5	38.3 -43.0
	14' x 14'	11.7 -13.0	13.1 -14.6	16.2 -18.0	19.6 -21.8	23.3 -25.9	27.3 -30.4	31.7 -35.3	36.4 -40.5
25 Feet Two Story	8' x 8'	14.1 -15.9	15.8 -17.8	19.5 -22.0	23.6 -26.7	28.0 -31.7	32.9 -37.2	38.2 -43.2	43.8 -49.6
	10' x 10'	13.6 -15.3	15.3 -17.1	18.8 -21.1	22.8 -25.6	27.1 -30.4	31.8 -35.7	36.9 -41.4	42.4 -47.6
	14' x 14'	12.9 -14.4	14.5 -16.1	17.9 -19.9	21.6 -24.1	25.8 -28.7	30.2 -33.7	35.1 -39.0	40.3 -44.8

Design Pressure based on flat roof (roof slope of less than 10 degrees).

WINDCODE® “W” RATING GUIDE										
EXPOSURE B										
Structural Type	115 MPH	120 MPH	130 MPH	140 MPH	150 MPH	160 MPH	170 MPH	180 MPH	190 MPH	200 MPH
One Story	W1	W4	W4	W4	W4	W5	W5	W6	W6	W8
Two Story	W1	W4	W4	W4	W4	W5	W5	W6	W6	W8
EXPOSURE C										
Structural Type	115 MPH	120 MPH	130 MPH	140 MPH	150 MPH	160 MPH	170 MPH	180 MPH	190 MPH	200 MPH
One Story	W4	W4	W4	W4	W5	W6	W6	W8	W8	W8
Two Story	W4	W4	W4	W5	W5	W6	W6	W8	W8	W8

The design pressures listed are the minimum required. Recommended WINDCODE® levels meet or exceed the required design pressures.
MPH = miles per hour PSF = pounds per square foot

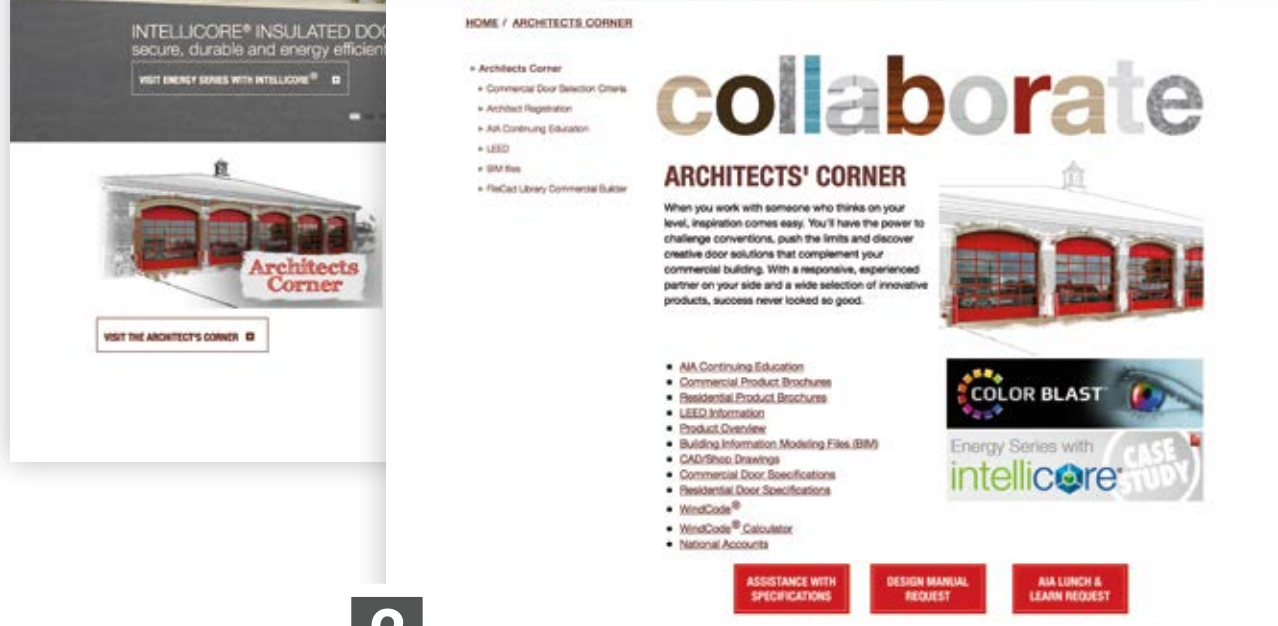
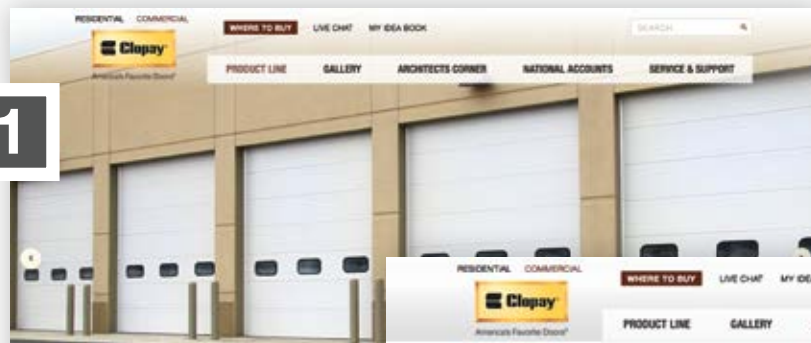
making WINDCODE® easy

determine the WINDCODE® calculation for your door

Clopay has created the WINDCODE® Calculator to make this process easier for you.

STEP 1:

Visit the Clopay Commercial website at www.clopaycommercial.com.



STEP 2:

Click on Architects' Corner to access the WINDCODE® Calculator.



STEP 3:

Fill out the WINDCODE® Calculator form to get your door wind load results at www.clopaydoor.com/commercial-support-center.

3

RESIDENTIAL COMMERCIAL WHERE TO BUY LIVE CHAT MY IDEA BOOK

SEARCH

Clopay
America's Favorite Doors®

PRODUCT LINE GALLERY ARCHITECTS CORNER NATIONAL ACCOUNTS SERVICE & SUPPORT

HOME / WINDCODE COMMERCIAL / WINDCODE CALCULATOR

WINDCODE CALCULATOR

Enforcing Code Body
Select

Wind Speed
Enter value in mph

Exposure Category
Select

Building Length
Ft In

Building Width
Ft In

Mean Roof Height (Maximum 60')
Ft In

Roof Angle
Select

Enclosure Classification
Enclosed

Importance Factor
(Not Applicable for FL, Miami-Dade County, IBC 2015, and IBC 2012)
Select

DOOR INFORMATION

Opening Width
Ft In

Opening Height
Ft In

Distance from Edge of Door to Corner of Building
Ft In

Positive Design Pressure
PSF value

Negative Design Pressure
PSF value

CLICK TO CALCULATE

The output from the WindCode Calculator (the "output") provided on this website is approximate in nature, intended for preliminary design purposes only, and dependent on the accuracy of the information you provide. Please note that the local building official is the final determiner of the suitability of an installed garage door and its connections to any particular structure. Clopay Building Products offers no warranty or representation – express or implied – that use of the output will result in approval by the applicable governing building code body. Accordingly, users of any output from this website assume all liability arising from such use.



Model 3724, 24'2" x 18' doors;
shown with 24" x 12" Lites

Storm Ready® – No Posts, Pins Or Extra Setup. Just Close And Lock Your Door.

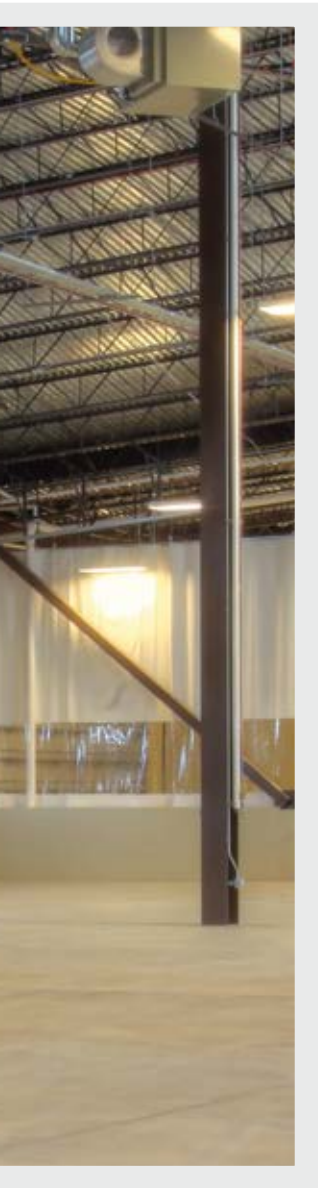
Clopay has been at the forefront of developing reinforced sectional doors that meet and exceed building codes around the globe. Our continued focus on this important issue puts our doors ahead of the competition when it comes to product approvals in hot zones like Miami-Dade County, Florida and Texas.

With a full line of overhead sectional doors in many different sizes, designs, insulation values and pressure ratings, we make it easy to protect your building with a Storm Ready WINDCODE® door.



- The patented T-Strut design helps make installation of WINDCODE® doors easier and faster. In addition, doors with the T-Strut take up less space than previous reinforcement techniques, providing a cleaner look inside the garage and more usable space for the owner.
- The new patented assembly for impact windows includes valuable features like the window frame sub-assemblies being interchangeable in a variety of sectional door panel thicknesses.

Clopay's patents mentioned throughout are 9,022,091 for impact windows, D719,280 and D755,409 for tapered strut.



explore your choices

Clopay offers a diverse selection of commercial 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.



	ARCHITECTURAL SERIES Aluminum Full-View Doors	ARCHITECTURAL SERIES Steel Full-View Doors	ENERGY SERIES WITH INTELICORE® Polyurethane Insulated Steel Doors	ENERGY SERIES Polystyrene Insulated Steel Doors	INDUSTRIAL SERIES Ribbed Steel Doors	ROLLING STEEL SERIES Rolling Steel Doors
EASE OF OPERATION	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★
APPEARANCE/DESIGN	★★★★★	★★★★★	★★★★	★★★★	★★★	★★
DURABILITY	★★★★★	★★★★★	★★★★★	★★★★	★★★	★★★★★
COST OF OWNERSHIP	★★★	★★	★★	★★	★★★	★
ENERGY EFFICIENCY	★★	★★★★	★★★★★	★★★★	★★★	★★
INITIAL COST	★★★★	★★★★	★★★	★★	★★	★★★★★

architectural series



Model 903, 12'2" x 14' black anodized doors; shown with tempered insulated glass

ALUMINUM FULL-VIEW DOORS

Clopay Aluminum Full-View doors offer designers the flexibility to let varying degrees of light in while complementing the surrounding structure. A wide selection of standard and custom glazing types make a bold statement in retail and store environments.

- 2-1/8" (54 mm) thick construction, 6063-T5 extruded aluminum alloy with integral reinforcing fin for maximum durability.
- Exclusive, capped rail construction helps seal out the elements and adds to door durability.
- Tongue-and-groove meeting rail.
- Available in a wide variety of powder-coated and anodized finish colors.
- Many glazing options available, including thermal glass, Low-E glass and polycarbonate panels in various colors.
- Model 902 features 44" (1.1 m) on center panel spacing with limited glazing options. Model 903 is fully customizable and features equal panel spacing.



Integral reinforcing fin adds durability and strength.

PANEL OPTIONS



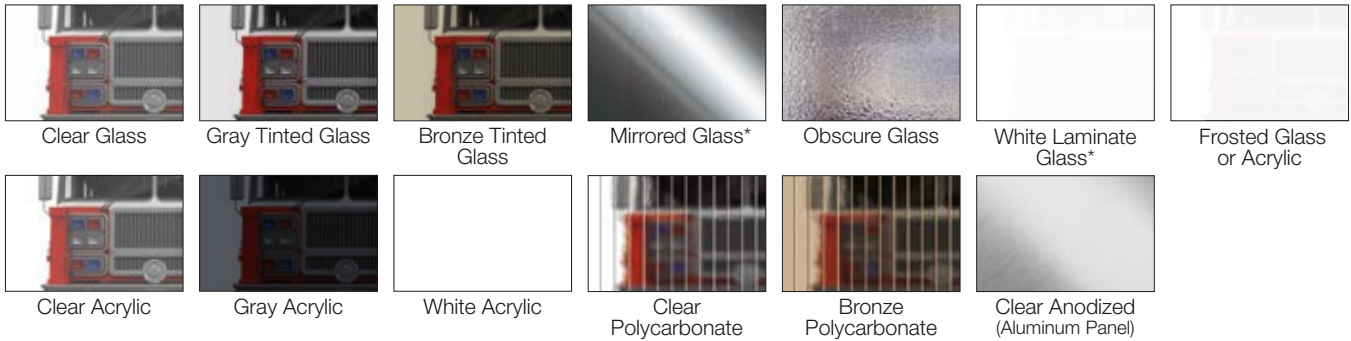
Full View



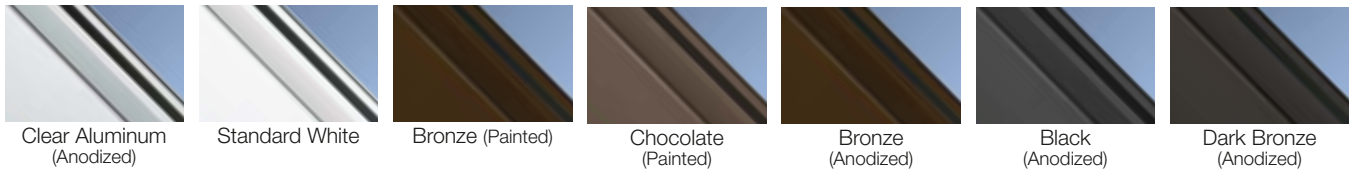
Solid Aluminum

Higher wind loads may require extra center stiles.

GLASS/PANEL OPTIONS



FRAME/SOLID PANEL COLOR OPTIONS



*Mirrored and laminate not available in 1/2".

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.

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.

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.

WINDCODE® AVAILABILITY

Model	Drawing #	Max. Width	Max. Height	PSF	Reinforcement	
W1	902/903	103291	12'2"	18'0"	+16.5/-16.5	Standard
		103292	14'2"	18'0"	+13.5/-13.5	Standard
		103610	16'2"	18'0"	+13.5/-13.5	Standard
		103617	20'2"	18'0"	+13.5/-13.5	2" x 2" L-Angles (1-1-1-1) 3" U-Bar (2-1-1-1)
		104367	24'2"	18'0"	+13.3/-13.3	2" x 2" Aluminum Angle (2-1-1-1) with offset plates

Model	Drawing #	Max. Width	Max. Height	PSF	Reinforcement	Florida Approved STANDARD	TDI Listed STANDARD	
W4	902/903	103332	24'2"	18'0"	+25/-25	6" C-Channel (1-1-1-1) 3" U-Bar (1-1-1-1)	■	■
W5	902/903	103275	12'2"	18'0"	+32/-32	2" x 2" Aluminum Angle (2-1-1-1)	■	■
		103294	16'2"	18'0"	+32/-32	4" C-Channel (1-1-1-1)	■	■
		103295	16'2"	18'0"	+30/-30	2" x 2" Aluminum Angle (2-1-1-1) with offset plates	■	■
		103296	20'2"	18'0"	+30/-30	6" C-Channel (1-1-1-1)	■	■
		103324	22'2"	18'0"	+30/-30	6" C-Channel (1-1-1-1) 3" U-Bar (1-1-1-1)	■	■
W6	902/903	103800	22'2"	18'0"	+33/-34	6" C-Channel (1-1-1-1) 3" U-Bar (2-2-2-2) 2" x 2" Aluminum Angle (1-1-1-0)	■	■

Essential facilities require 15% higher than standard PSF.

architectural series

Model 3728, 12' x 14' doors;
shown with 42" x 16" Lites



STEEL FULL-VIEW DOORS

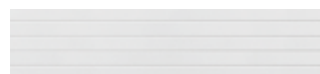
Clopay Steel Full-View doors are high quality doors designed for commercial and industrial facilities where ease of maintenance, versatility and durability considerations are all important.

- Sandwich construction – Intellicore® polyurethane 1-3/8" (34.9 mm), or 2" (50.8 mm) insulation, provides maximum strength and energy efficiency.
- Sandwich construction – polystyrene insulation 1-3/8" (34.9 mm), or 2" (50.8 mm) consists of exterior and interior steel skins pressure bonded to an environmentally safe polystyrene core for strength and quieter operation.
- Steel-sandwich construction enhances durability and strength.
- Foamed-in-place Intellicore® polyurethane adds R-value up to 18.4*.
- Thermal break enhances insulating properties for extreme energy efficiency.
- Door includes hardware, track and springs.
- Ten-year paint and delamination warranty.

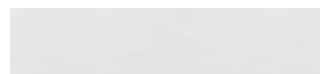
*R-value is impacted by the number of windows and window type per section. Calculated R-values for doors featuring a full row of windows, in both insulated and non-insulated glass, is available on our website. Calculated door section R-value is in accordance with DASMA TDS-163.



PANEL OPTIONS



Minor Ribbed
(3159, 3209, 3709, 3729)



Flush – Stucco Embossed
(3158, 3208, 3708, 3728)

WINDOW OPTIONS



19-1/2" x 16"
(3158, 3159, 3208, 3209, 3708, 3709, 3728, 3729)













42" x 16"
(3158, 3159, 3208, 3209, 3708, 3709, 3728, 3729)


Impact rated windows available

WINDCODE® AVAILABILITY

	Model	Drawing Number	Max. Width	Max. Height	PSF	Reinforcement
W1	3208, 3209	102887	10'2"	18'0"	+20/-21	None
		102881	12'2"	18'0"	+13.5/-13.5	None
		102883	14'2"	18'0"	+13.5/-13.5	3" U-Bar (1-1-1-1)
		103611	16'2"	16'2"	+13.5/-13.5	2-1/4" U-Bar (1-1-0-1)
		103619	20'2"	18'0"	+13.5/-13.5	3" U-Bar (2-1-1-1)
	3158, 3159	102964	10'2"	18'0"	+13.5/-13.5	None
		102965	12'2"	18'0"	+13.5/-13.5	2-1/4" U-Bar (1-1-1-1)
		102966	14'2"	18'0"	+13.5/-13.5	2-1/4" U-Bar (1-1-1-1)
	3708, 3709	104356	9'0"	16'0"	+13.5/-15	2-1/4" U-Bar (1-1-0-1)
		104329	16'0"	16'0"	+12.5/-14	2-1/4" U-Bar (2-1-2-1)
		104358	18'2"	16'0"	+12.5/-14	3" U-Bar (2-1-2-1)
	3728, 3729	104091	12'2"	18'0"	+13.5/-13.5	None
		104092	14'2"	18'0"	+13.5/-13.5	3" U-Bar (1-0-1-0)
		104083	16'2"	18'0"	+13.5/-13.5	3" U-Bar (1-1-1-1)
		104094	20'2"	18'0"	+13.5/-13.5	3" U-Bar (2-1-1-1)

Model	Drawing Number	Max. Width	Max. Height	PSF	Reinforcement	Florida Approved STANDARD	Florida Approved IMPACT RATED	TDI Listed STANDARD	TDI Listed IMPACT RATED	Miami-Dade County	
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) 3" U-Bar (1)	■	■ 			■ 
		105188	16'4"	18'2"	+38/-42	80 KSI T-Strut (1-1-1-1) 3" U-Bar (1)	■	■ 			■ 
W8	3728, 3729	105024	9'2"	18'0"	+54/-62	50 KSI T-Strut (1-1-1-1) 3" U-Bar (1)		■ 			■
		105050	12'2"	18'0"	+50/-56	50 KSI T-Strut (1-1-1-1) 3" U-Bar (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)		■ 			■

Essential facilities require 15% higher than standard PSF.

 Impact rated windows available

energy series with intellicore®

POLYURETHANE INSULATED STEEL DOORS

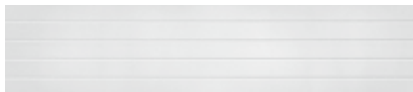
Innovative Intellicore® insulation technology with a polyurethane core increases energy savings and provides enhanced comfort. Our premier Model 3700 Series is a smart choice for climate-controlled warehouses, schools, office spaces and retail locations.

- Sandwich construction – Intellicore® polyurethane 1-3/4" (44.5 mm) Models 3717 and 3718, or 2" (50.8 mm) Models 3720, 3722, 3723 and 3724 insulation, with prepainted steel on the inner skin provides maximum strength and energy efficiency inside and out.
- Embossed steel increases strength and improves aesthetics.
- Foamed-in-place Intellicore® polyurethane adds R-value up to 18.4*.
- Tongue-and-groove section joint for exceptional strength and thermal sealing.
- Door includes hardware, track and springs.
- Ten-year paint and delamination warranty.

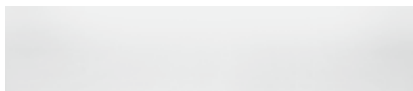
*Calculated door section R-value is in accordance with DASMA TDS-163.



PANEL OPTIONS



Minor Ribbed (3717, 3720, 3724)



Flush (3718, 3722)



Elegant Raised (3723)

WINDOW OPTIONS



24" x 8"



24" x 12"



Full View†



26" x 13"

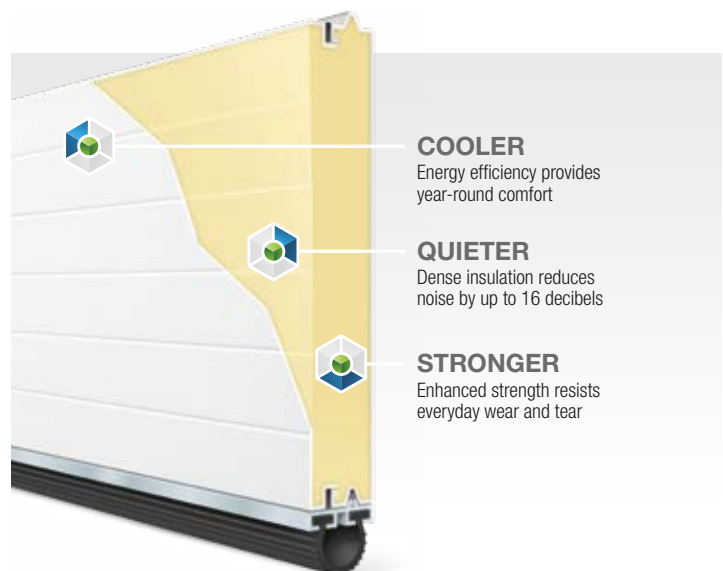
W Impact rated windows available

†Higher wind loads may require extra center stiles.

intellicore®
insulation technology

COOLER. QUIETER. STRONGER.

Commercial doors featuring Intellicore® insulation technology represent the ultimate smart choice. Clopay's Intellicore® 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.



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




Model 3724, 22'2" x 14' doors; shown with 24" x 8" Lites

WINDCODE® AVAILABILITY

	Model	Drawing Number	Max. Width	Max. Height	PSF	Reinforcement
W1	3717, 3718, 3720, 3722	104091	12'2"	18'0"	+13.5/-13.5	None
		104092	14'2"	18'0"	+13.5/-13.5	3" U-Bar (1-0-1-0)
		104083	16'2"	18'0"	+13.5/-13.5	3" U-Bar (1-1-1-1)
		104094	20'2"	18'0"	+13.5/-13.5	3" U-Bar (2-1-1-1)
		104368	24'2"	18'0"	+13.3/-13.3	3" U-Bar (2-2-2-2)

	Model	Drawing Number	Max. Width	Max. Height	PSF	Reinforcement	Florida Approved STANDARD	Florida Approved IMPACT RATED	TDI Listed STANDARD	TDI Listed IMPACT RATED	Miami-Dade County
W4	3717, 3718, 3720, 3722	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)	■				
		104101	20'2"	18'0"	+25/-28	6" C-Channel (1-1-1-1)					
		104642	24'2"	18'0"	+25/-25	6" C-Channel (1-1-1-1) 3" U-Bar (1-1-1-1)					
W5	3717, 3718, 3720, 3723	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)					
		104644	22'2"	18'0"	+30/-30	6" C-Channel (1-1-1-1) 3" U-Bar (1-1-1-1)					
W6	3717, 3718, 3720, 3722	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	104815	12'2"	18'0"	+52/-58	50 PSI T-Strut (1-1-1-1)		■ 			■ 
		104842	14'2"	18'0"	+52/-58	80 KSI T-Strut (1-1-1-1)		■ 			■ 
		3720, 3722	104900	16'2"	18'0"	+50/-58	80 KSI T-Strut (1-1-1-1) 80 KSI 3" U-Bar (1-1-1-1)		■ 		

Essential facilities require 15% higher than standard PSF.

 Impact rated windows available

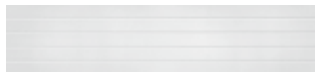
POLYSTYRENE INSULATED STEEL DOORS

The Energy Series features high-quality, insulated, thermally broken steel doors providing energy efficiency and long service under demanding conditions. For use in many applications including municipal buildings, warehouses and shipping docks.

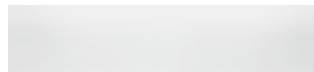
- Sandwich construction – polystyrene insulation 1-3/8" (34.9 mm), 2" (50.8 mm) thick insulated "sandwich" construction consists of exterior and interior steel skins pressure bonded to an environmentally safe polystyrene core for strength and quieter operation.
- Polystyrene insulation adds R-value up to 9.1*.
- Prepainted inside and out for a durable and virtually maintenance-free finish.
- Ten-year warranty against delamination and rust-through.

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

PANEL OPTIONS



Minor Ribbed (3200)



Flush (3220)

WINDOW OPTIONS



24" x 8"



Full View[†]



24" x 12"



19-1/2" x 12"

[†]Higher wind loads may require extra center stiles.

RUST-PREVENTION SYSTEM



Panels are prepainted inside and out to inhibit rust. Hot-dipped, galvanized steel is painted with primer and given a tough oven-baked polyester top coat to provide the most rust-resistant steel door available. Ten-year warranty against rust-through.



Model 3200, 12' x 14' doors; shown with 24" x 8" Lites

WINDCODE® AVAILABILITY

	Model	Drawing Number	Max. Width	Max. Height	PSF	Reinforcement
W1	3150	102964	10'2"	18'0"	+13.5/-13.5	None
		102965	12'2"	18'0"	+13.5/-13.5	2-1/4" U-Bar (1-0-1-0)
		102966	14'2"	18'0"	+13.5/-13.5	2-1/4" U-Bar (1-1-1-1)
	3200, 3220	102887	10'2"	18'0"	+20/-21	None
		102881	12'2"	18'0"	+13.5/-13.5	None
		102883	14'2"	18'0"	+13.5/-13.5	3" U-Bar (1-1-1-1)
		103611	16'2"	18'0"	+13.5/-13.5	2-1/4" U-Bar (1-1-0-1)
		103619	20'2"	18'0"	+13.5/-13.5	3" U-Bar (2-1-1-1)
	3200, 3220	104366	24'2"	18'0"	+13.3/-13.3	3" U-Bar (2-2-2-2)
	3154, 3155	102981	9'0"	14'0"	+13/-15	2-1/4" U-Bar (1-0-1-0)
		102982	16'0"	14'0"	+12.5/-14	2-1/4" U-Bar (2-1-2-1)
		102983	18'0"	14'0"	+12.5/-14	3" U-Bar (2-1-1-1)
	3211	102884	9'0"	14'0"	+13/-15	None
		102885	16'0"	14'0"	+12.5/-14	2-1/4" U-Bar (1-0-1-0)
		102886	18'0"	14'0"	+12.5/-14	3" U-Bar (1-1-1-1)

	Model	Drawing Number	Max. Width	Max. Height	PSF	Reinforcement	Florida Approved STANDARD	Florida Approved IMPACT RATED	TDI Listed STANDARD	TDI Listed 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)	■				
		101682	20'2"	18'0"	+25/-28	6" C-Channel (1-1-1-1)	■		■		
		103334	24'2"	18'0"	+25/-25	6" C-Channel (1-1-1-1) 3" U-Bar (1-1-1-1)	■		■		
W5	3200, 3220	200040	16'2"	18'0"	+30/-32	3" U-Bar (2-2-2-2)	■		■		
		103320	22'2"	18'0"	+30/-30	6" C-Channel (1-1-1-1) 3" U-Bar (1-1-1-1)	■		■		
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)		■		■	

Essential facilities require 15% higher than standard PSF.

industrial series

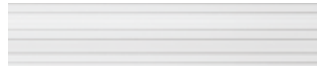
RIBBED STEEL DOORS

Industrial Series doors feature a variety of standard ribbed, flush and embossed patterns such as stucco and woodgrain. Available in a wide selection of gauges for pro-grade durability, this series is a great choice for high-traffic applications including warehouses, distribution centers and loading docks.

- Clopay's 20, 24 and 25 gauge steel sectional doors are prepainted inside and out for a virtually maintenance-free, durable finish.
- Tog-L-Loc® construction eliminates welds and rivets for rust-resistant and leak-proof joints.
- Available with insulation on models 520S, 524V, 524S, 525V, 525S, 664V and 4F for maximum energy efficiency. R-value up to 6.6*.
- Ten-year warranty against rust-through.

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

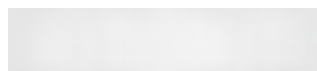
PANEL OPTIONS



Deep Ribbed (525, 524, 520)



Classic Raised (664, 664V)



Flush (4F)

WINDOW OPTIONS



24" x 6"



24" x 12"



Full View†



19-1/2" x 12"

†Higher wind loads may require extra center stiles.

RUST-PREVENTION SYSTEM



Panels are prepainted inside and out to inhibit rust. Hot-dipped, galvanized steel is painted with primer and given a tough oven-baked polyester top coat to provide the most rust-resistant steel door available. Ten-year warranty against rust-through.



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

WINDCODE® AVAILABILITY

	Model	Drawing Number	Max. Width	Max. Height	PSF	Reinforcement
W1	524, 524S, 524V, 520, 520S	104853	9'2"	18'0"	+13.5/-13.5	None
	524, 524S, 524V, 525, 525S, 525V, 520, 520S	102961	10'2"	18'0"	+13.5/-13.5	2-1/4" 24 Gauge U-Bar (1-0-1-0)
		102963	14'2"	18'0"	+13.5/-13.5	3" U-Bar (1-1-1-1)
	524, 524S, 524V, 520, 520S	103056	16'2"	18'0"	+13.5/-13.5	3" U-Bar (2-1-1-1)
		103618	20'2"	18'0"	+13.5/-13.5	3" U-Bar (2-2-2-2)
		104365	24'2"	18'0"	+13.3/-13.3	6" C-Channel (1-1-1-1)
	520, 520S	102967	10'2"	18'0"	+16.5/-16.5	None
	664, 664V	102894	9'0"	14'0"	+13/-15	2-1/4" U-Bar (1-1-0-1)
		102895	16'0"	14'0"	+12.5/-14	3" U-Bar (2-1-1-1)
		102899	18'0"	14'0"	+12.5/-14	3" U-Bar (2-1-2-1)

	Model	Drawing Number	Max. Width	Max. Height	PSF	Reinforcement	Florida Approved STANDARD	Florida Approved IMPACT RATED	TDI Listed STANDARD	TDI Listed IMPACT RATED	Miami-Dade County
W4	525, 525V, 525S, 524, 524V, 524S, 520, 520S	101856	12'2"	18'0"	+25/-25	3" U-Bar (2-1-2-1)	■		■		
		101886	16'2"	18'0"	+25/-25	4" C-Channel (1-1-1-1)	■		■		
	524, 524V, 524S, 520, 520S	102126	20'2"	18'0"	+25/-25	6" C-Channel (1-1-1-1)	■		■		
		103333	24'2"	18'0"	+25/-25	6" C-Channel (1-1-1-1) 3" U-Bar (1-1-1-1)	■		■		
W5	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)	■		■		
		101885	16'2"	18'0"	+32/-32	4" C-Channel (1-1-1-1)	■		■		
		103319	22'2"	18'0"	+30/-30	6" C-Channel (1-1-1-1) and 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)		■	■		■
		102585	14'2"	18'0"	+37/-38	4" C-Channel (1-1-1-1)	■		■		
		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	102645	12'2"	18'0"	+50/-56	4" C-Channel (1-1-1-1)		■			
		104813	12'2"	18'0"	+52/-58	50 KSI T-Strut (1-1-1-1)		■		■	■
		103288	14'2"	18'0"	+50/-56	4" C-Channel (1-1-1-1) 3" U-Bar (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)		■			■

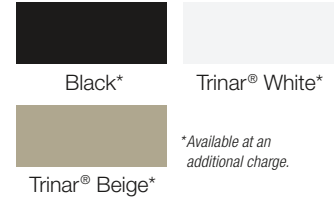
Essential facilities require 15% higher than standard PSF.

COLOR OPTIONS – SECTIONAL DOORS

STANDARD COLORS



PREMIUM COLORS



Due to the printing process, colors may vary.

**Available at an additional charge.*

AVAILABILITY	Standard White	Glacier White	Almond	Desert Tan	Sandtone	Commercial Tan	Bronze	Chocolate	Mocha Brown	Hunter Green	Gray	Black	Trinar® White	Trinar® Beige
525, 525V, 525S	■							■						
524, 524V, 524S	■					■		■			■		■	
520, 520S	■							■						
4F	■		■	■	■			■						
3150	■	■				■		■	■		■			
3200	■					■		■			■	■	■	●
3220	■							■						
3154, 3155	■		■		■		■	■		■	■			
664, 664V	■		■	■	■			■						●
3211	■		■	■	■			■				■	■	■
3717, 3718	■	■				■		■	■		■		■	■
3720	■	■				■		■	■		■		■	■
3722	■							■						
3723	■		■	■	■	■		■						
3724	■					■		■			■	■	■	
3158, 3159	■	■	■	■	■		■	■	■		■	■	■	
3208, 3209	■							■			■	■	■	
3708, 3709	■	■	■	■	■		■	■	■		■	■	■	
3728, 3729	■	■	■	■	■		■	■	■		■	■	■	

For Model 902/903 color availability please refer to page 9.

CUSTOM PAINT OPTION



Color Blast® offers more than 1,500 Sherwin-Williams® color options to complement your building design. Clopay's durable factory finish has been thoroughly tested and is backed by a five-year warranty. To view color offering visit sherwin-williams.com/architects-specifiers-designers.

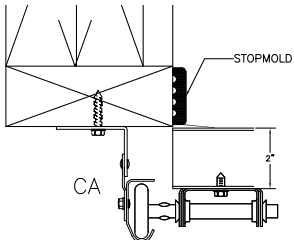
- High-quality durable two-part Polane® paint system meets American Architectural Manufacturing Association 2604 standards.
- Touch-up paint available at local Sherwin-Williams stores.
- Solar reflective paint technology results in lower surface temperatures compared with standard paints.
- Provide the Sherwin-Williams 4-digit color code to get your perfect match.

Due to solar reflective formulation to meet greater than a 38 LRV some colors may not be available.

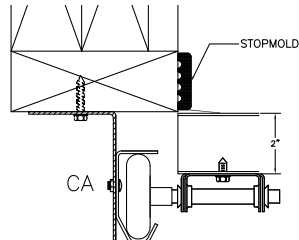


FRAMING AND TRACK OPTIONS

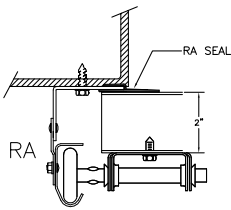
JAMB TYPES (shown from above)



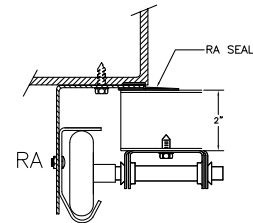
2" WOOD JAMB



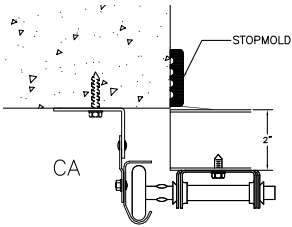
3" WOOD JAMB



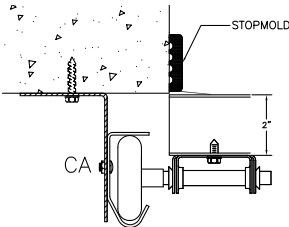
2" STEEL JAMB



3" STEEL JAMB

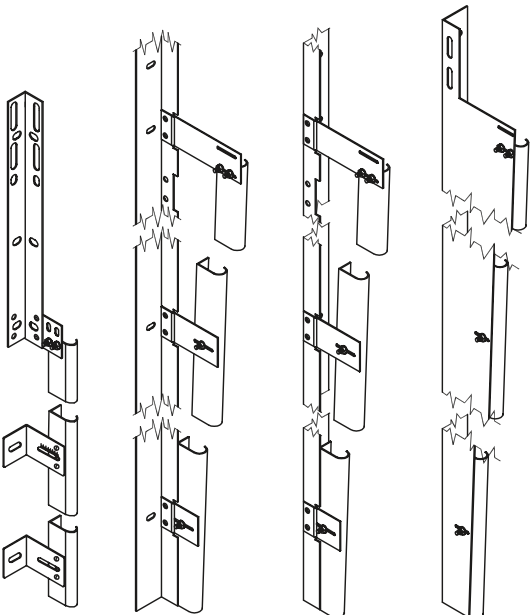


2" MASONRY JAMB



3" MASONRY JAMB

VERTICAL TRACK MOUNTING OPTIONS



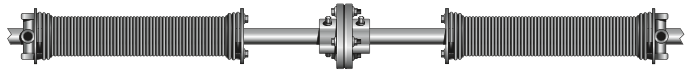
BRACKET MOUNT

CONTINUOUS ANGLE MOUNT

REVERSE ANGLE MOUNT

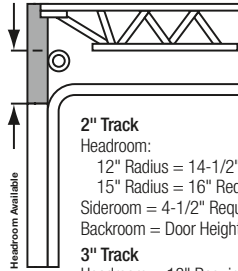
TAPERED REVERSE ANGLE MOUNT

HIGH CYCLE SPRINGS



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

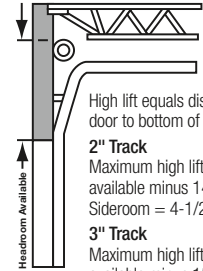
STANDARD RADIUS



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

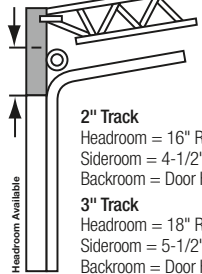


High lift equals distance from top of door to bottom of horizontal track.

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)

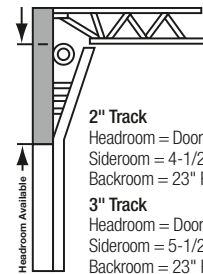
ROOF PITCH



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

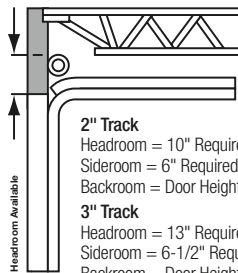
VERTICAL LIFT



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

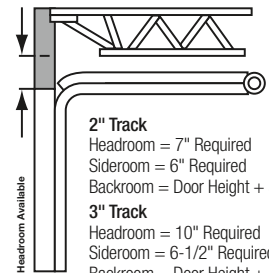
LOW HEADROOM FRONT MOUNT



2" Track
 Headroom = 10" 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)

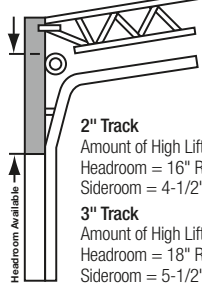
LOW HEADROOM REAR MOUNT



2" Track
 Headroom = 7" 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

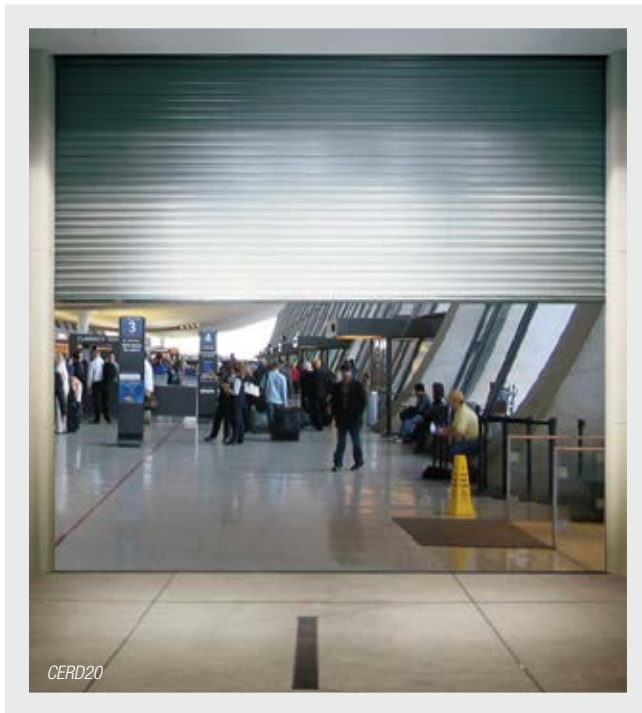
Headroom = Top of door to nearest obstruction (truss)

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

rolling steel series

ROLLING SERVICE DOORS

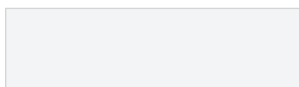
- Constructed of a high percentage of recycled material and designed with ease of maintenance and longevity in mind, increasing the sustainability of most applications.
- Curtains are available in prefinished galvanized steel, stainless steel or anodized aluminum finishes. Guides, bottom bars and headplates are powder-coat finished for aesthetics and increased durability.
- Practical innovations enhanced by the aesthetic appeal ensure that a Clopay door adds value to any building exterior, combining maximum security with modest operating costs.
- Doors can be operated manually with standard chain hoist, or they can be motor operated. Optional manual crank operation is also available.



FIRE-RATED DOORS

- Manufactured to the stringent qualities of full-duty service doors, yet easily meet the most current fire protection standards.
- Operational choices include fail-safe motor-operated systems, hand crank (manual) and standard chain hoist operated systems.
- UL, FM and ULC labeled for fire protection up to four hours to meet today's fire protection demands.
- Clopay fire doors may be easily and repeatedly drop tested and reset from the floor with no tool or equipment requirements.
- The service durability, simplicity of ownership and proven fire protection with E-Z reset option [standard on doors larger than 9' x 9' (2.7 m x 2.7 m)] make Clopay fire doors a logical choice for informed design professionals.

COLOR OPTIONS – ROLLING DOORS



White



Tan



Gray

Custom powder coat
RAL colors available.

Due to the printing process, colors may vary.

rolling steel series

ROLL-UP SHEET DOORS

- 26 gauge hot-dipped galvanized steel curtain with a baked-on silicone polyester top coat.
- Roll-formed guides of hot-dipped galvanized steel (18 gauge 150C, 16 gauge 157C and 12 gauge 160C).
- Self-lubricating wearstrips on curtain prevent metal-to-metal contact and muffle door noise.
- Curtains are prepainted inside and out to inhibit rust. Hot-dipped, galvanized steel is painted with primer and given a tough oven-baked silicone polyester top coat to provide the most rust-resistant steel door available.
- Heavy-duty bottom bar withstands the external elements.
- Full bulb-type bottom weatherstrip ensures proper fit along irregular floors.
- WindCode® doors are available in many sizes and pressure ratings. See your Clopay Dealer for details.

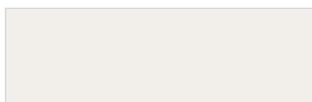


CORRUGATED PANEL DESIGN

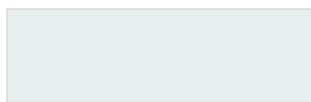
26 gauge sheets, roll formed from ASTM A653 grade 80 full hard steel, interlocked and seamed together to make a continuous curtain for full height of door. *Model 157C shown.*



COLOR OPTIONS – ROLL-UP DOORS



Glossy White



White



Silhouette Gray



Desert Tan



Continental Brown



Bronze



Cedar Red



Valentine Red



Sunset Orange



Teal



Dark Teal



Fern Green



Evergreen



Forest Green



Royal Blue



Polar Blue

Due to the printing process, colors may vary.

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 smart phone 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.
- Car wash/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
902	–	Aluminum/Glass	–	2"	–	24'2"	18'0"	–
903	–	Aluminum/Glass	–	2"	–	24'2"	18'0"	–

ARCHITECTURAL SERIES (STEEL FULL-VIEW DOORS)

Model	Steel Emboss	Exterior Skin Pattern	Gauge	Section Thickness	Insulation	Max. Width*	Max. Height*	R-value
3158 [†]	Stucco	Flush	27	1-3/8"	Polystyrene	18'2"	16'0"	6.5 [†]
3159 [†]	Stucco	Minor Ribbed	27	1-3/8"	Polystyrene	18'2"	16'0"	6.5 [†]
3208 [†]	Stucco	Flush	24	2"	Polystyrene	20'2"	18'0"	9.1 [†]
3209 [†]	Stucco	Minor Ribbed	24	2"	Polystyrene	20'2"	18'0"	9.1 [†]
3708 [†]	Stucco	Flush	27	1-3/8"	Intellicore® Polyurethane	18'2"	16'0"	12.9 [†]
3709 [†]	Stucco	Minor Ribbed	27	1-3/8"	Intellicore® Polyurethane	18'2"	16'0"	12.9 [†]
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
3722 [†]	Stucco	Flush	20	2"	Intellicore® Polyurethane	24'2"	18'0"	18.4
3724 [†]	Stucco	Minor Ribbed	24	2"	Intellicore® Polyurethane	22'2"	18'0"	18.4
3723 [†]	Woodgrain	Raised Panel	27	2"	Intellicore® Polyurethane	16'2"	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
3150 [†]	Stucco	Minor Ribbed	27	1-3/8"	Bonded Polystyrene	18'2"	16'0"	6.5
3154 [†]	Woodgrain	Raised Panel	27	1-3/8"	Bonded Polystyrene	18'2"	16'0"	6.5
3155 [†]	Woodgrain	Flush	27	1-3/8"	Bonded Polystyrene	18'2"	16'0"	6.5
3200 [†]	Stucco	Minor Ribbed	24	2"	Polystyrene	24'2"	18'0"	9.1
3211 [†]	Woodgrain	Flush	24	2"	Bonded Polystyrene	24'2"	18'0"	9.1
3220 [†]	Stucco	Flush	20	2"	Polystyrene	24'2"	18'0"	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"	16'0"	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

*Consult CIA for large sizes. All widths may not be available in all heights. **For insulated models (S, V) only.

[†]Clopay 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.

Model 903, 16'2" x 20' clear anodized doors;
shown with tempered insulated glass

finding the right solution

Find Your Solution With Clopay



Our team of Clopay commercial door experts is always ready to assist. To find the Clopay commercial door that's right for your application, call 1-800-526-4301, visit clopaycommercial.com or email CIA@clopay.com. To locate a dealer go to clopaydoor.com/where-to-buy/commercial or call 1-800-2CLOPAY (225-6729).



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