

upgrade

your expectations.



WINDCODE[®]

ARE YOU READY FOR THE STORM?
Florida Edition – Based on ASCE7-10 Code

Clopay[®]

COMMERCIAL DOORS



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.

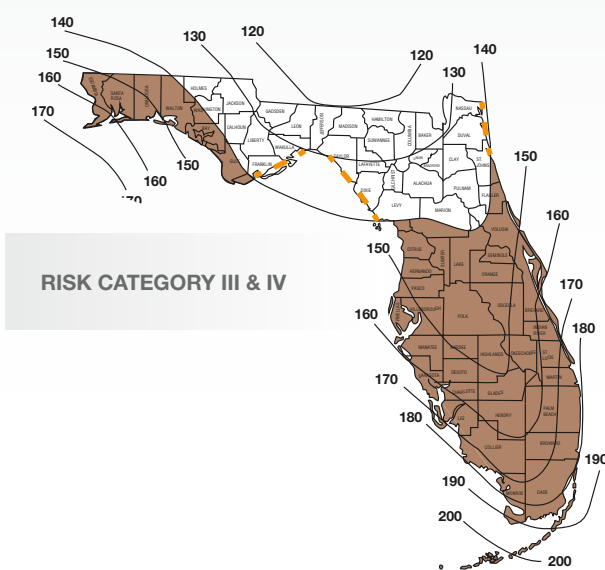
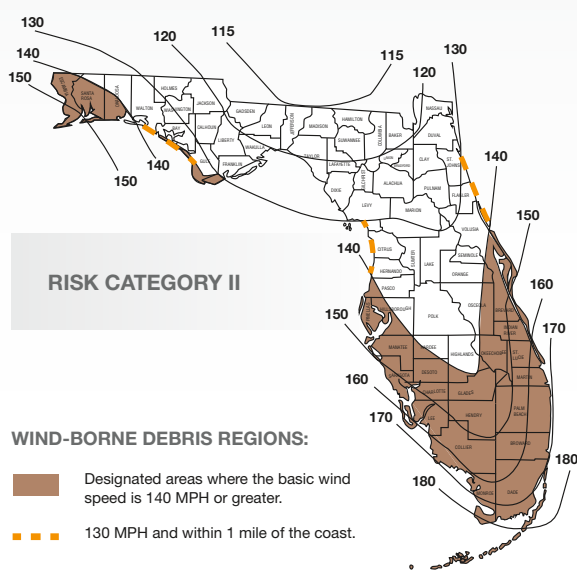
STEP 1:

- Determine Risk Category.

Category II All 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

The wind-borne debris region is also known as those areas that require the large missile impact rated windows. In Florida, being farther south and closer to the shoreline, it is more likely a home or building will be in the wind-borne debris region.

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 ft. 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 and use the WINDCODE® calculator in the WINDCODE® commercial section under service and support.

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.

COMMERCIAL DOOR WIND LOAD GUIDE – VALUES IN PSF													
Mean Roof Height	Door Size	Based on the 2014 Florida Building Code, Exposure B, 100 – 200 MPH Ultimate Design Wind Speed, MPH (V _{ult})											
Ultimate Wind Speed →		110 MPH	115 MPH	120 MPH	130 MPH	140 MPH	150 MPH	160 MPH	170 MPH	180 MPH	186 MPH	190 MPH	200 MPH
Less Than 30 Feet	8' x 8'	10.5 –11.9	11.5 –13.0	12.5 –14.2	14.8 –16.7	16.9 –19.1	19.5 –22.1	22.3 –25.2	25.3 –28.6	28.0 –31.7	30.0 –33.9	31.3 –35.5	34.8 –39.4
	10' x 10'	10.1 –11.4	11.1 –12.5	12.1 –13.6	14.3 –16.1	16.4 –18.4	18.9 –21.2	21.6 –24.2	24.4 –27.4	27.1 –30.4	29.0 –32.5	30.3 –34.0	33.7 –37.8
	14' x 14'	9.6 –10.7	10.6 –11.8	11.5 –12.8	13.6 –15.1	15.5 –17.3	17.9 –20.0	20.5 –22.8	23.2 –25.8	25.7 –28.7	27.5 –30.7	28.8 –32.1	32.0 –35.6
Equivalent Nominal Wind Speed →		85 MPH	89 MPH	93 MPH	101 MPH	108 MPH	116 MPH	124 MPH	132 MPH	139 MPH	144 MPH	147 MPH	155 MPH

Mean Roof Height	Door Size	Based on the 2014 Florida Building Code, Exposure C, 100 – 200 MPH Ultimate Design Wind Speed, MPH (V _{ult})											
Ultimate Wind Speed →		110 MPH	120 MPH	130 MPH	140 MPH	150 MPH	160 MPH	165 MPH	170* MPH	175** MPH	180 MPH	190 MPH	200 MPH
15 Feet Single Story	8' x 8'	12.7 –14.4	15.2 –17.2	18.0 –20.3	20.5 –23.2	23.7 –26.8	27.1 –30.6	28.8 –32.6	30.7 –34.7	32.3 –36.6	34.0 –38.5	38.0 –43.1	42.3 –47.9
	10' x 10'	12.3 –13.8	14.7 –16.5	17.4 –19.5	19.9 –22.3	22.9 –25.7	26.2 –29.4	27.9 –31.3	29.7 –33.3	31.3 –35.1	32.9 –36.9	36.8 –41.3	40.9 –45.9
	14' x 14'	11.7 –13.0	14.0 –15.6	16.5 –18.4	18.9 –21.0	21.8 –24.2	24.9 –27.7	26.5 –29.5	28.2 –31.4	29.7 –33.1	31.3 –34.8	35.0 –38.9	38.9 –43.3
25 Feet Double Story	8' x 8'	14.1 –15.9	16.8 –19.1	19.9 –22.5	22.7 –25.7	26.2 –29.7	29.9 –33.9	31.9 –36.1	33.9 –38.4	35.7 –40.5	37.6 –42.6	42.1 –47.6	46.8 –52.9
	10' x 10'	13.6 –15.3	16.3 –18.3	19.2 –21.6	22.0 –24.7	25.4 –28.4	29.0 –32.5	30.9 –34.6	32.8 –36.8	34.6 –38.8	36.4 –40.8	40.7 –45.7	45.3 –50.8
	14' x 14'	12.9 –14.4	15.5 –17.2	18.2 –20.3	20.9 –23.2	24.1 –26.8	27.5 –30.6	29.3 –32.6	31.2 –34.7	32.8 –36.6	34.6 –38.5	38.7 –43.0	43.0 –47.9
Equivalent Nominal Wind Speed →		85 MPH	93 MPH	101 MPH	108 MPH	116 MPH	124 MPH	128 MPH	132 MPH	136 MPH	139 MPH	147 MPH	155 MPH

Mean Roof Height	Door Size	Based on the 2014 Florida Building Code, Exposure D, 100 – 200 MPH Ultimate Design Wind Speed, MPH (V _{ult})											
Ultimate Wind Speed →		110 MPH	120 MPH	130 MPH	140 MPH	150 MPH	160 MPH	165 MPH	170 MPH	175 MPH	180 MPH	190 MPH	200 MPH
15 Feet Single Story	8' x 8'	15.4 –17.4	18.5 –20.9	21.8 –24.6	24.9 –28.2	28.7 –32.5	32.8 –37.1	35.0 –39.6	37.2 –42.1	39.2 –44.3	41.2 –46.7	46.1 –52.2	51.3 –58.0
	10' x 10'	14.9 –16.7	17.9 –20.0	21.1 –23.6	24.1 –27.0	27.8 –31.2	31.7 –35.6	33.8 –37.9	36.0 –40.4	37.9 –42.5	39.9 –44.7	44.6 –50.0	49.6 –55.6
	14' x 14'	14.2 –15.8	17.0 –18.9	20.0 –22.3	22.9 –25.5	26.4 –29.4	30.1 –33.6	32.1 –35.8	34.2 –38.0	36.0 –40.1	37.9 –42.2	42.4 –47.2	47.1 –52.4
25 Feet Double Story	8' x 8'	16.8 –19.0	20.1 –22.7	23.7 –26.8	27.1 –30.6	31.2 –35.3	35.7 –40.4	38.0 –43.0	40.4 –45.7	42.6 –48.2	44.8 –50.7	50.1 –56.7	55.7 –63.1
	10' x 10'	16.2 –18.2	19.4 –21.8	22.9 –25.7	26.2 –29.4	30.2 –33.9	34.5 –38.7	36.8 –41.3	39.1 –43.9	41.2 –46.2	43.4 –48.7	48.5 –54.4	53.9 –60.5
	14' x 14'	15.4 –17.1	18.4 –20.5	21.7 –24.2	24.9 –27.7	28.7 –31.9	32.8 –36.5	34.9 –38.9	37.1 –41.4	39.1 –43.6	41.2 –45.9	46.1 –51.3	51.2 –57.0
Equivalent Nominal Wind Speed →		85 MPH	93 MPH	101 MPH	108 MPH	116 MPH	124 MPH	128 MPH	132 MPH	136 MPH	139 MPH	147 MPH	155 MPH

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	175** MPH	180 MPH	190 MPH	200 MPH
One Story	W4	W4	W4	W4	W5	W6	W6	W8	W8	W8	W8
Two Story	W4	W4	W4	W5	W5	W6	W6	W8	W8	W8	W8
EXPOSURE D											
Structural Type	115 MPH	120 MPH	130 MPH	140 MPH	150 MPH	160 MPH	170 MPH	175 MPH	180 MPH	190 MPH	200 MPH
One Story	W4	W4	W4	W5	W6	W6	W8	W8	W8	W8	W8
Two Story	W4	W4	W5	W5	W6	W8	W8	W8	W8	W8	NA

*Broward County is 170 MPH, Exposure C for most buildings. **Miami-Dade County is 175 MPH, Exposure C for most buildings.

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



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

Clopay has been at the forefront of developing reinforced garage 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 Florida, Miami-Dade County.

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. The glazing element is held entirely by the front frame without the need for a structural back frame.

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



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

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	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	★★★★	★★★	★★	★★	★★★★★



ALUMINUM FULL VIEW DOORS

Clopay 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



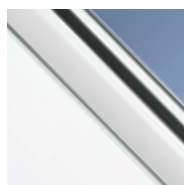
Solid Aluminum

Higher windloads may require extra center stiles.

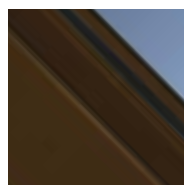
FRAME/SOLID PANEL COLOR OPTIONS



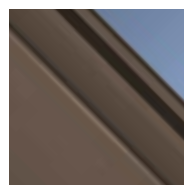
Clear Aluminum
(Anodized)



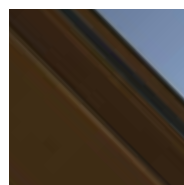
Standard White



Bronze (Painted)



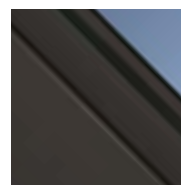
Chocolate (Painted)



Bronze (Anodized)



Black (Anodized)



Dark Bronze
(Anodized)

GLASS/PANEL OPTIONS



Clear Glass



Tinted Glass



Frosted Glass
or Acrylic



Clear Anodized
(Aluminum Panel)

- Glass thickness available in 1/8", 1/4" and 1/2". Low-E available on insulated glass.
- Tri-wall polycarbonate thickness available in 5/8".
- Panels can be aluminum to match the aluminum frame.
- Reinforcements may be visible through aluminum panels.
- Glass/acrylic panels may be combined with aluminum panels.
- Custom powder coat and anodized finishes available.

*Due to the anodizing process, color variation may occur.
The use of "Bronze (Painted)" is recommended for a more consistent
bronze finish color. See your Clopay Dealer for details.*

WINDCODE® AVAILABILITY

	Model	Drawing #	Max. Width	Max. Height	PSF	Reinforcement	Florida Approved 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)	■

energy series with intellicore®

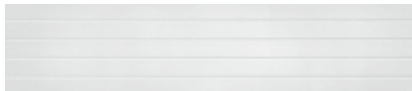
POLYURETHANE INSULATED STEEL DOORS

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.

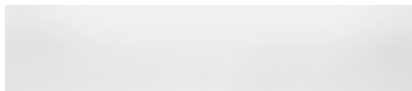
- Sandwich construction – Intellicore® polyurethane 1-3/4" (44.5 mm) Models 3717 and 3718 or 2" (50.8 mm) Models 3720, 3722, 3723 and 3724 insulation, with prepainted steel on the inner skin provides maximum strength and energy efficiency inside and out.
- Embossed steel increases strength and improves 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"



Full View*



19-1/2" x 12"



24" x 12"



26" x 13"

 Impact rated windows available

*Higher windloads may require extra center stiles.

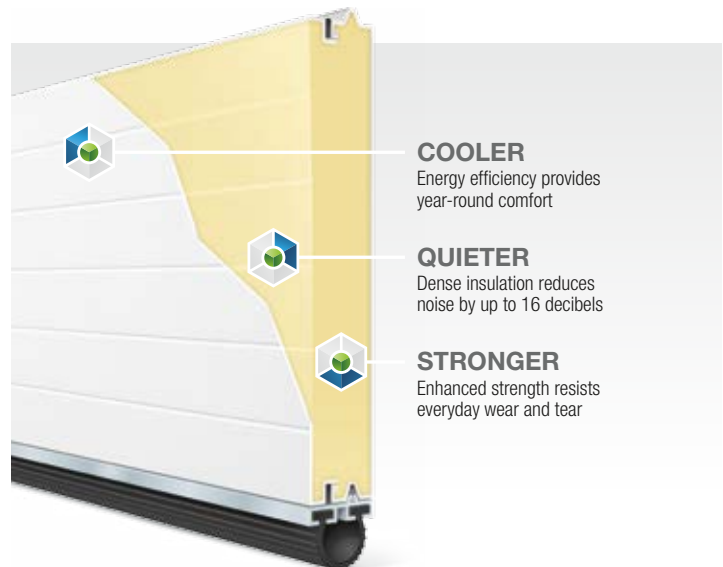


Model 3724, 10'2" x 14' doors, shown with 24" x 8" Lites

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.





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

WINDCODE® AVAILABILITY									
	Model	Drawing #	Max. Width	Max. Height	PSF	Reinforcement	Florida Approved STANDARD	Florida Approved IMPACT RESISTANT	Dade Listed
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, 3722	104044	14'2"	18'0"	+30/-34	3" U-Bar (2-1-2-1)	■		
	3717, 3718, 3720, 3723	104643	16'2"	18'0"	+30/-32	3" U-Bar (2-2-2-2)			
	3717, 3718, 3720, 3724	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 KSI 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)		■ 	■ 

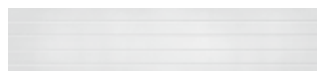
POLYSTYRENE INSULATED STEEL DOORS

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.

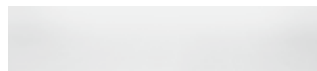
- Sandwich construction – polystyrene insulation 2" (50.8 mm)
Models 3220, 3200, 3203; thick insulated "sandwich" construction consists of exterior and interior steel skins pressure bonded to an environmentally safe polystyrene core for strength and quieter operation.
- Polystyrene insulation adds R-value up to 9.1*.
- Prepainted inside and out for a durable, 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)



Elegant Raised (3203)

WINDOW OPTIONS



24" x 8"



24" x 12"



Full View*



19-1/2" x 12"

*Higher windloads 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' 2" x 14' doors, shown with 24" x 8" Lites



3-Layer polystyrene doors are 2" sandwich construction



WINDCODE® AVAILABILITY									
	Model	Drawing #	Max. Width	Max. Height	PSF	Reinforcement	Florida Approved STANDARD	Florida Approved IMPACT RESISTANT	Dade Listed
W4	3203	101758	9'0"	14'0"	+28/-29	2-1/4" U-Bar (varies)	■		
	3203	101760	16'0"	14'0"	+25.5/-25.5	3" U-Bar (2-1-1-1)	■		
	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)		■	■

industrial series

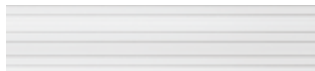
RIBBED STEEL DOORS

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 maintenance-free, durable finish.
- Tog-L-Loc™ construction eliminates welds and rivets for rust-proof and leak-proof joints.
- Available with insulation on models 520S, 524V, 524S, 525V, 525S and 664V 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

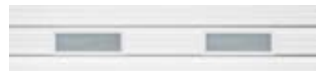


Deep Ribbed (525, 524, 520)



Classic Raised (664, 664V)

WINDOW OPTIONS



24" x 6"



24" x 12"



Full View*



19-1/2" x 12"

*Higher windloads 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 520, 10'2" x 14' doors, shown with 24" x 6" Lites

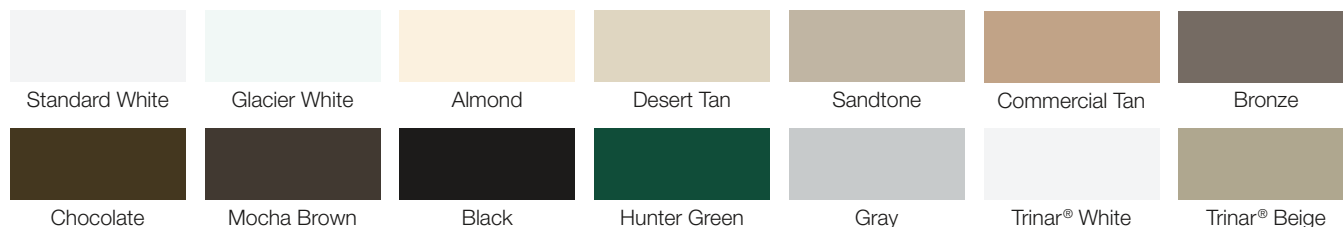


2" ribbed steel doors are available with polystyrene insulation or non-insulated

WINDCODE® AVAILABILITY

	Model	Drawing #	Max. Width	Max. Height	PSF	Reinforcement	Florida Approved STANDARD	Florida Approved IMPACT RESISTANT	Dade Listed
W4	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	101886	16'2"	18'0"	+25/-25	4" C-Channel (1-1-1-1)	■		
		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)	■		■
		102445	10'2"	18'0"	+37/-44	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/-48	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)		■	■
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)		■	
		103288 104812	14'2"	18'0"	+52/-58	80 KSI T-Strut (1-1-1-1) 80 KSI 3" U-Bar (1-1-1-1)		■	■

COLOR OPTIONS – SECTIONAL DOORS



Due to the printing process, colors may vary.

AVAILABILITY	Standard White	Glacier White	Almond	Desert Tan	Sandtone	Commercial Tan	Bronze	Chocolate	Mocha Brown	Black	Hunter Green	Gray	Trinar® White	Trinar® Beige
525, 525V, 525S	●							●						
524, 524V, 524S	●					●		●				●	●	
520, 520S	●							●						
3200	●					●		●		●		●	●	
3220	●							●						
664, 664V	●		●	●	●			●						
3203	●		●	●	●	●		●		●	●		●	●
902*, 903*	●							●						
3717, 3718	●	●				●		●	●			●	●	●
3720	●	●				●		●	●			●	●	●
3722	●							●						
3723	●		●	●	●	●		●						
3724	●					●		●		●		●	●	

*Standard in Clear Anodized; Also available in Bronze Anodized, Black Anodized, Dark Bronze Anodized and Bronze Paint.

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.

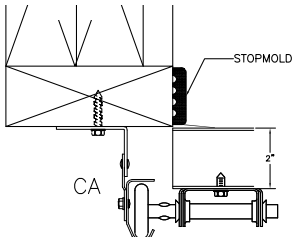
- High-quality durable two-part Polane® paint system meets American Architectural Manufacturing Association 2604 standards.
- Touch-up paint available at local Sherwin-Williams stores.
- Solar reflective paint technology results in lower surface temperatures compared with standard paints.
- Provide the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

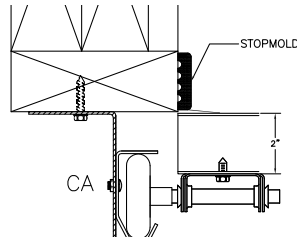


FRAMING AND TRACK OPTIONS

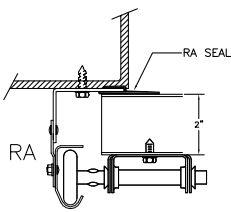
JAMB TYPES (shown from above)



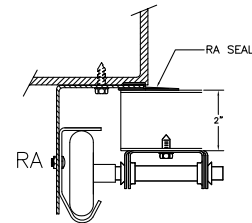
2" WOOD JAMB



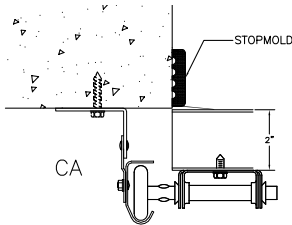
3" WOOD JAMB



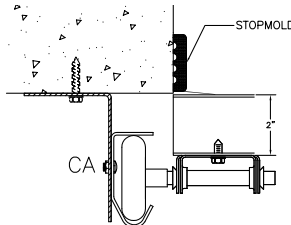
2" STEEL JAMB



3" STEEL JAMB

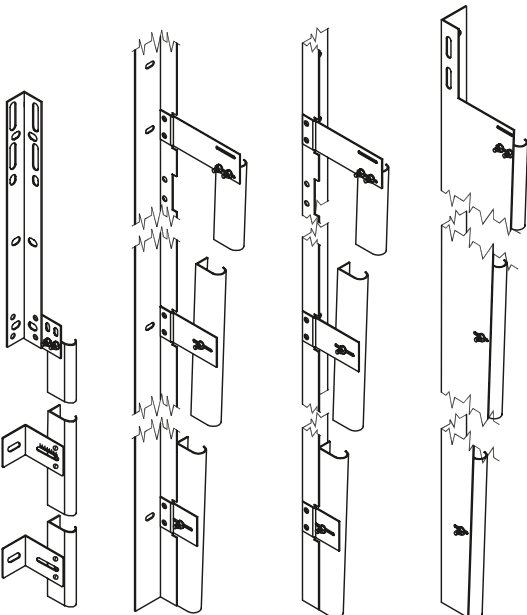


2" MASONRY JAMB



3" MASONRY JAMB

VERTICAL TRACK MOUNTING OPTIONS



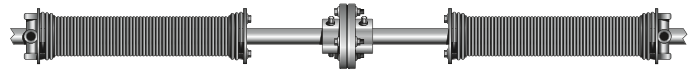
BRACKET MOUNT

CONTINUOUS ANGLE MOUNT

REVERSE ANGLE MOUNT

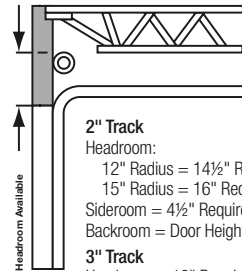
TAPERED REVERSE ANGLE MOUNT

HIGH CYCLE SPRINGS



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

STANDARD RADIUS



2" Track

Headroom:

12" Radius = 14½" Required

15" Radius = 16" Required

Sideroom = 4½" Required

Backroom = Door Height + 23" Required

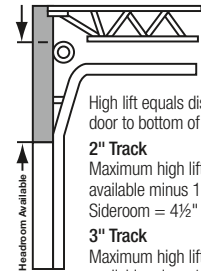
3" Track

Headroom = 18" Required

Sideroom = 5½" 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 = 4½" Required

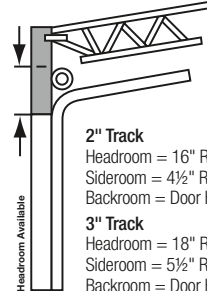
3" Track

Maximum high lift equals headroom available minus 15"

Sideroom = 5½" Required

(Minimum high lift = 12" Required)

ROOF PITCH



2" Track

Headroom = 16" Required

Sideroom = 4½" Required

Backroom = Door Height + 23" Required

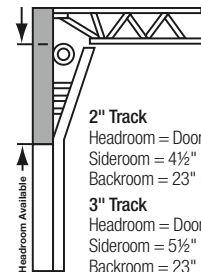
3" Track

Headroom = 18" Required

Sideroom = 5½" Required

Backroom = Door Height + 25" Required

VERTICAL LIFT



2" Track

Headroom = Door Height + 12" Required

Sideroom = 4½" Required

Backroom = 23" Required

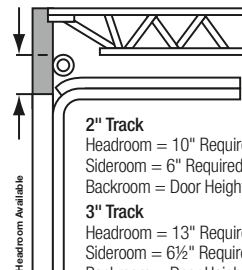
3" Track

Headroom = Door Height + 12" Required

Sideroom = 5½" Required

Backroom = 23" Required

LOW HEADROOM FRONT MOUNT



2" Track

Headroom = 10" Required

Sideroom = 6" Required

Backroom = Door Height + 23" Required

3" Track

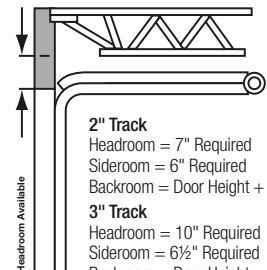
Headroom = 13" Required

Sideroom = 6½" 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

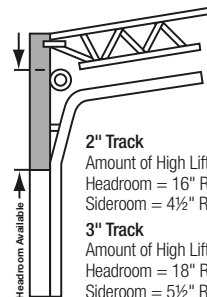
Headroom = 10" Required

Sideroom = 6½" 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 = 4½" Required

3" Track

Amount of High Lift + 18"

Headroom = 18" Required

Sideroom = 5½" Required

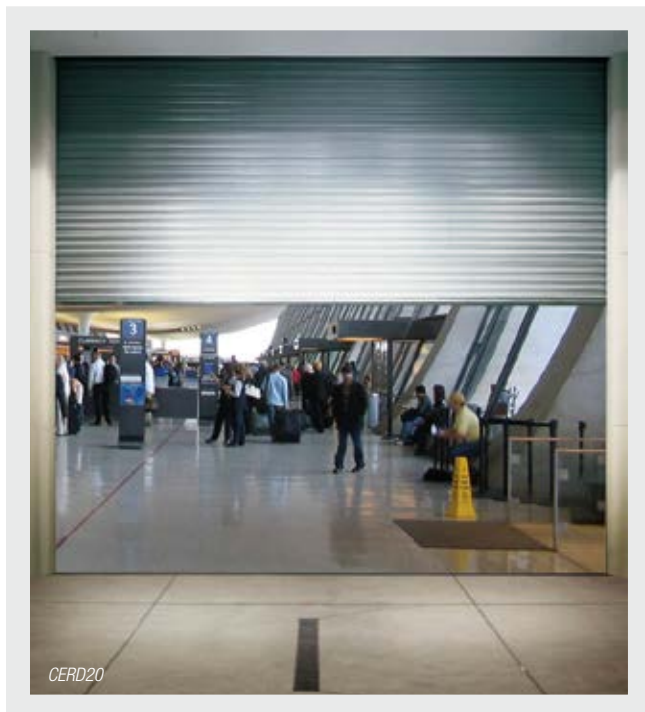
Headroom = Top of door to nearest obstruction (truss)

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

rolling steel series

ROLLING SERVICE DOORS

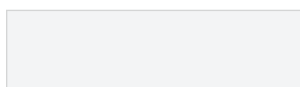
- Constructed of a high percentage of recycled material and designed with ease of maintenance and longevity in mind, increasing the sustainability of most applications.
- Curtains are available in prefinished galvanized steel, stainless steel or anodized aluminum finishes. Guides, bottom bars and headplates 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.



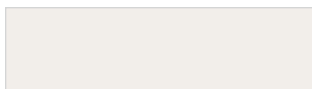
CORRUGATED PANEL DESIGN

26 gauge sheets, roll formed from ASTM A 653 grade 80 full hard steel, interlocked and seamed together to make a continuous curtain for full height of door. *Model 157C shown.*

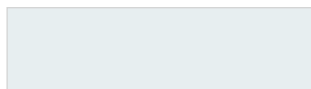


Model 157C, Roll-Up Sheet Door

COLOR OPTIONS – ROLL-UP DOORS



Glossy White



White



Silhouette Gray



Buckskin



Desert Tan



Continental Brown



Bronze



Cedar Red



Valentine Red



Tangerine



Sunset Orange



Marine Green



Teal



Dark Teal



Fern Green



Evergreen



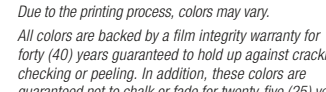
Forest Green



Royal Blue



Polar Blue



Due to the printing process, colors may vary. All colors are backed by a film integrity warranty for forty (40) years guaranteed to hold up against cracking, checking or peeling. In addition, these colors are guaranteed not to chalk or fade for twenty-five (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

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"	–

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
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"	16'0"	6.6**
664 (V)	Woodgrain	Raised Panel	24	2"	Polystyrene or Non-insulated	16'2"	14'0"	6.3**

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 & Smoke Rated Service Door	Non-insulated	18 to 22	–	Galvanized Steel or Stainless Steel
CERD21	Heavy Duty Fire & 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.
Depending on windload requirement 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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