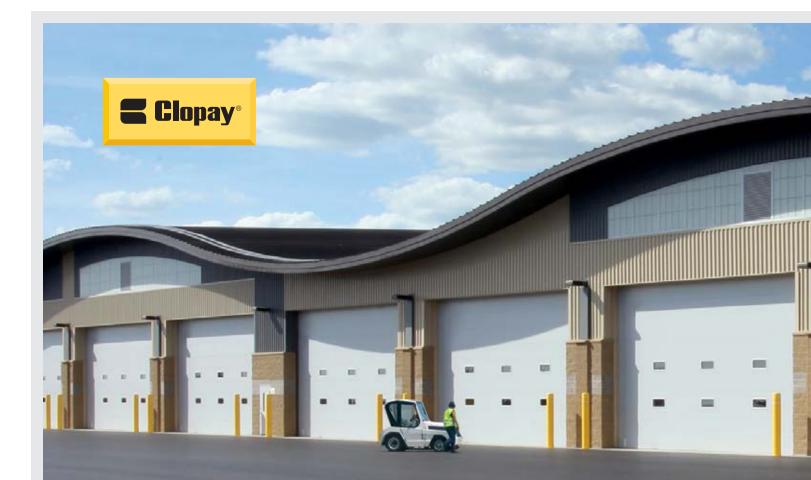
# ransform your expectations



commercial doors





# collaboration



### A New Perspective

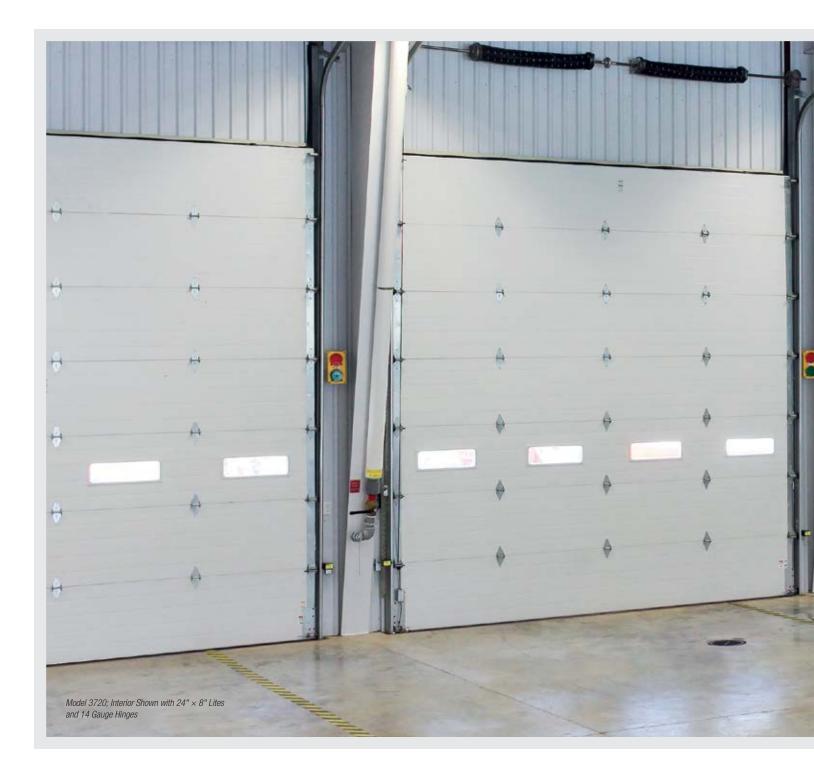
Opening up new possibilities and pushing the limits are easy with Clopay's diverse line of commercial doors. You'll have an award-winning selection to choose from that can help you redefine how others see your building.



# on every level



When you choose Clopay for your commercial doors, you'll have access to a network of dealers who are ready to provide one-on-one collaboration. You'll work directly with a commercial door expert who will take the time to show you inspiring choices and help you reinvent your space with creative options. Whether your goal is to improve energy efficiency, let in more light or transform your space for a new application, Clopay will help you find the perfect solution on your terms.



### Commercial-Grade Tools

Clopay collaborates with popular online resources to provide architects, specifiers, building owners and contractors the tools needed to properly specify commercial products and learn about LEED credits. Clopay offers Continuing Education with AIA certified courses on topics including wind load, fire doors and sectional door basics.

Need help with a specification?

Visit clopaycommercial.com or architectdoorhelp.com

Specification Tools





Building Information Management



<u>aia.org</u>



usgbc.org/leed

4

# 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.

				COMMERCIAL				
			-	-				
	ARCHITECTURAL	ARCHITECTURAL	ENERGY SERIES	ENERGY SERIES	INDUSTRIAL	ROLLING	STACKING SERIES	EXTREME <sup>™</sup> SERIES
	SERIES Aluminum Full-View Doors	SERIES Steel Full-View Doors	WITH INTELLICORE Polyurethane Insulated Steel Doors	Polystyrene Insulated Steel Doors	SERIES Ribbed Steel Doors	STEEL SERIES Rolling Steel Doors	VertiStack™ Compact Vertical Stacking Sections	High Performance Sectional Door System
EASE OF OPERATION	****	****	****	****	****	***	****	****
APPEARANCE/DESIGN	****	****	****	****	***	**	****	****
DURABILITY	****	****	****	****	***	****	***	****
COST OF OWNERSHIP	\$\$\$	\$\$	\$\$	\$\$	\$\$\$	\$	\$\$\$	\$\$
ENERGY EFFICIENCY	**	****	****	****	***	**	**	***
INITIAL COST	\$\$\$\$	\$\$\$\$	\$\$\$	\$\$	\$\$	\$\$\$\$\$	\$\$\$\$	\$\$\$\$
			1					

# architectural series



# **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 Model 904/904U where necessary.
- Tongue-and-groove meeting rail.
- Model 904/904U features contemporary boxed frame design with integral section joint seal.
- Model 904U features Intellicore<sup>®</sup> polyurethane insulated rails and stiles. R-value 3.8/U-factor 0.86 when glazed with clear insulated glass.

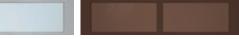
#### VERSATILITY AND DESIGN FLEXIBILITY

- 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<sup>®</sup> Finish.
- 904U/904 has consistent panel widths and heights.

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



### PANEL OPTIONS



Aluminum Full-View



#### **GLASS/PANEL OPTIONS**

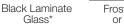


















White Acrylic





Clear Laminate Impact Rated Glass<sup>†</sup>



Glass\*

Clear Polycarbonate

Bronze Polycarbonate

Aluminum Panel (Color-matched)

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

<sup>†</sup> 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". Aluminum panels can be color matched to frame. Glass/acrylic panels may be combined with aluminum panels. 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.

# FRAME/SOLID PANEL COLOR OPTIONS



\*\*Additional cost may apply.

<sup>†</sup>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 Color Blast® finish available. See your Clopay Dealer for details. Model 904U is not available with powder coat finish.

# architectural series



# **ALUMINUM FULL-VIEW DOORS**

Clopay Models 905 and 906 are now available with a sleek panel design offering fewer lines and angles. The proportional rail and stile profiles, along with equal spacing, provide an aesthetically pleasing appearance. This sleek door is ideal in applications such as restaurants, auto dealerships and fire stations.

#### MAXIMUM DURABILITY

- 2-1/8" (54 mm) thick section construction, 6063-T5 extruded aluminum alloy frame. Interior reinforcing fin standard where necessary.
- Tongue-and-groove meeting rail.
- Models 905/905U/906/906U feature contemporary boxed frame design with integral section joint seal.
- Models 905U/906U feature Intellicore<sup>®</sup> polyurethane insulated rails and stiles.

#### VERSATILITY AND DESIGN FLEXIBILITY

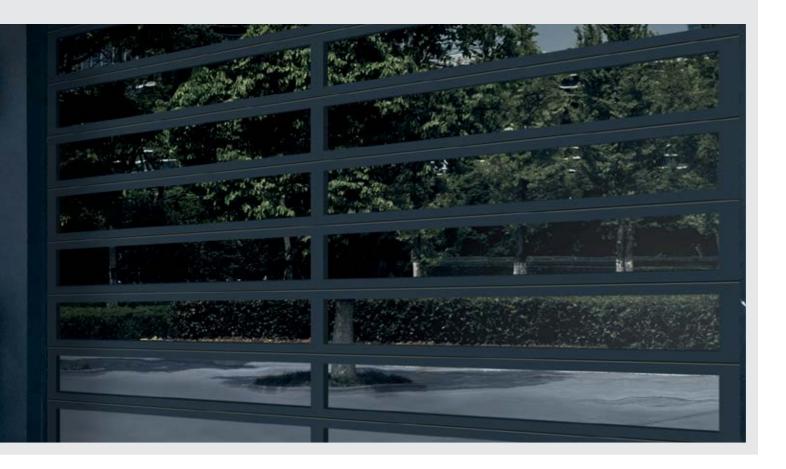
- Glass types available include, acrylic, tempered and insulated tempered glass. Glazing options available in low E, frosted, mirrored and various colors.
- Wide variety of anodized, powder-coated and painted options, including Color Blast<sup>®</sup> Finish.
- 905/906 offers fewer stiles, creating a modern full-view aesthetic.



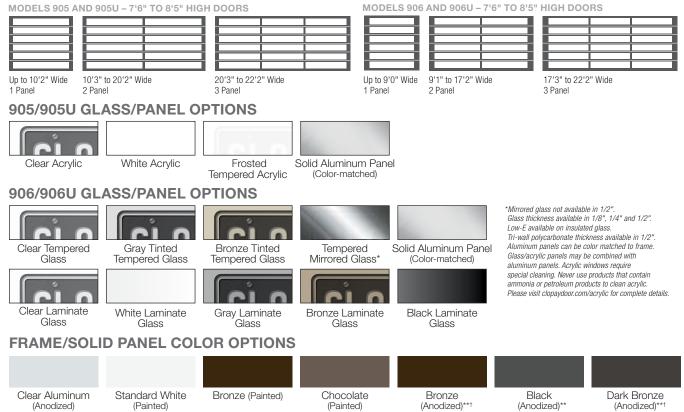
### PANEL OPTIONS



8



#### PANEL CONFIGURATIONS



\*\*Additional cost 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 Color Blast® finish available. See your Clopay Dealer for details. Models 905U/906U are not available with powder coat finish.

# 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) or 1-3/8" (34.9 mm) thick models with Intellicore® polyurethane or polystyrene insulation bonded to the interior and exterior steel skins.
- R-values up to 18.4\*.

#### LOW MAINTENANCE WITH LASTING FINISH

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

Minor Ribbed - Stucco Embossed

(3159, 3209, 3709, 3729\*)

Flush – Stucco Embossed

(3158, 3208, 3708, 3728\*)

#### VERSATILITY AND DESIGN FLEXIBILITY

- Injection-molded window frames with multiple glazing, size and visibility options.
- 37" × 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<sup>†</sup>.

\*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.
<sup>1</sup> Five-year delamination warranty for Models 3159, 3158, 3209, 3209 and ten years for Models 3709, 3708, 3728, 3729.

#### WINDOW OPTIONS



19-1/2" × 16" – Injection Molded Frames (3158, 3159, 3208, 3209, 3708, 3709, 3728, 3729)



42" × 16" – Injection Molded Frames (3158, 3159, 3208, 3209, 3708, 3709, 3728, 3729)



37" × 8" – Slim Windows with Aluminum Frame (3208, 3209, 3728, 3729)





## PANEL OPTIONS

\*Exterior steel surface on a Lustra™ finish door has a smooth texture.

To view window glazing material options, see page 21.



# 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<sup>®</sup> 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 1-3/8"
   (34.9 mm) thick models with Intellicore<sup>®</sup> polyurethane insulation bonded to the interior and exterior steel skins.
- R-values up to 27.2\*.
- Exterior skin gauge options include 20, 24 or 27 gauge.

#### LOW MAINTENANCE WITH LASTING FINISH

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

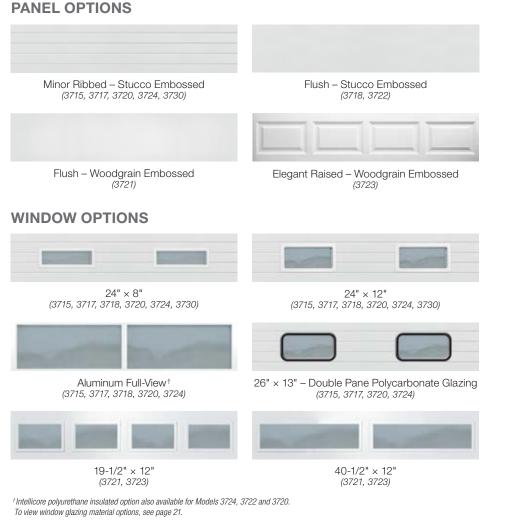
#### VERSATILITY AND DESIGN FLEXIBILITY

- Injection-molded window frames with multiple glazing and window sizes.
   Aluminum full-view sections available in clear anodized and painted standard white and chocolate.
- Glazing options include DSB, tempered, plexiglass, insulated, insulated tempered and polycarbonate.
- 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.





2



durable and

energy efficient

# intellic re 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 27.2) provide year-round comfort and improved energy efficiency.

# energy series

## 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. Full-view section options in pre-painted Standard White or Chocolate available.
- Multiple steel texture embossments, panel designs and window options.
- Variety of color options.

#### PEACE OF MIND

Ten-year paint and five-year delamination warranty.

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

#### PANEL OPTIONS

### WINDOW OPTIONS



Model 3150: Shown with 24" × 8" Lites



*3-layer bonded polystyrene doors are 2" or 1-3/8" sandwich construction* 

<sup>†</sup>Intellicore polyurethane insulated option also available for Models 3220 and 3200. To view window glazing material options, see page 21.



# 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 include polystyrene insulation with optional vinyl (524V, 525V and 664V) or steel back (520S, 522S, 524S and 525S).
- 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. Full-view section options in pre-painted Standard White or Chocolate available.
- 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

#### WINDOW OPTIONS



Classic Raised - Woodgrain Embossed (664, 664V)

To view window alazina material options, see page 21.

(520, 522, 524, 525)



24" × 12" (520, 522, 524, 525)



Aluminum Full-View (520, 522, 524, 525)



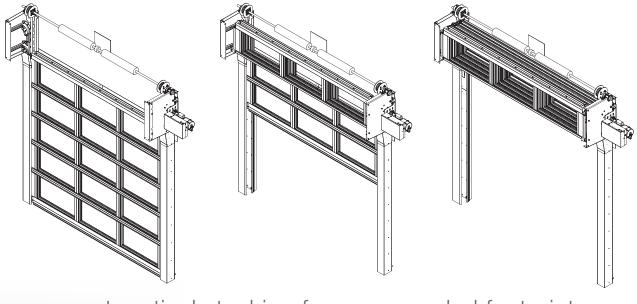
19-1/2" × 12" (664)

# STACK NG SERIES



# VERTISTACK<sup>™</sup> 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.



compact vertical stacking for an expanded footprint BRINGING THE OUTSIDE IN

## 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<sup>®</sup> 90.1, Title 24 and IECC<sup>®</sup> (International Energy Conservation Code) 2021 Section C406.9 Air Infiltration requirements with an independently tested value of 0.2 cfm/ft<sup>2</sup>





#### COMPLETE EXTREME SERIES DOOR SYSTEM INCLUDES:

**CLOPAY COMMERCIAL DOOR** 

**HEAVY DUTY COMPONENTS** 

**DIRECT DRIVE OPERATOR** 

. . . . . . . . . . .

IDEAL FOR EMERGENCY SERVICES, MANUFACTURING, DISTRIBUTION AND AUTOMOTIVE FACILITIES

# HIGH PERFORMANCE SECTIONAL DOOR SYSTEM

The Clopay<sup>®</sup> Extreme<sup>™</sup> 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.

- Heavy duty components improve door life and promote smooth, quiet operation.
- Available as an insulated model to control temperature and noise reduction.
- Design pressures (DP) up to 36 PSF depending on door size, configuration and exposure. Models tested 50% greater than DP.
- 2 year/50,000 cycle warranty. See warranty document for more information.



## EXTREME<sup>™</sup> SERIES AVAILABILITY



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

Model EX904

## **POWERED BY LIFTMASTER®**

The Extreme<sup>™</sup> Series High Performance Sectional Door System features a direct drive operator with an opening speed of 24" per second and up to 600 cycles per day. The display's easy-to-read user interface provides ease of limit-setting at floor level and can connect to the operator via Wi-Fi to myQ<sup>®</sup> Facility.

#### SAFETY FEATURES



UL325 approved light curtain that reverses the door's downward motion when the beam is broken

Cable tension monitor that mitigates door operation when cable slackening occurs

Optional wireless bottom safety edge that reverses the door's downward motion upon contact with an object

#### 24 IN/SEC OPENING SPEED



SECTIONAL DOOR

\*When compared to a 10'×10' door with a Logic 5.0™ Operator set to an average of 8" per second

0

7

#### **PERFORMANCE REQUIREMENTS**

Average Opening Speed	24" per second
Average Closing Speed	15" per second
Daily Duty Cycles	600 cycles/day
Max. Door Weight	1,000 lbs.
Warranted Cycles	600 cycles per day over 2-year warranty period
Drive System	Direct drive

Visit clopaycommercial.com for complete details or for more information scan the code shown



# specialty sectional options

# ADDITIONAL SECTIONAL DOOR OPTIONS



#### REPLACEMENT SLAB SOLUTIONS

Replacement slabs feature 1-5/8" (41.3 mm) thick, CFC-free polyurethane insulation with a 14.86 R-value\*. A ribbed design and shiplap section joint make it a versatile replacement solution for many commercial service applications.

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

#### BREAK-AWAY BOTTOM SECTION

Break-away bottom sections are excellent in high-traffic dock areas where damage to the bottom sections of doors is a common occurrence.











#### HIGH PERFORMANCE HARDWARE

High performance hardware features 10 gauge end hinges, heavy-duty top bracket and 3" (7.6 cm) sealed roller with 5/8" (15.9 mm) stem.

#### REMOVABLE CENTER MULLION

For openings that are wider than standard door width, consider using a carry-away, roll-away or swing-up mullion that enables two or more doors to close one opening.

#### CONTROLGARD<sup>®</sup> SD CHAIN HOIST

Hand chain hoist with an integral braking system providing controlled descent for sectional doors.

#### EXTENDED 8-YEAR HARDWARE WARRANTY

Offers an 8-year limited warranty on all on-door hardware. Upgrades include 11 gauge hinges and 3" (76.2 mm) track.

#### ADAPTER RAILS

Shiplap to tongue-and-groove. 16' (4.9 m) length prepainted Standard White.

2" (50.8 mm) tongue-and-groove to tongue-and-groove. 16'2" (4.9 m) length prepainted Standard White or Chocolate.



### PASS DOOR

Pass doors are fitting for applications where space is too limited for the installation of a standard entry door. They conserve energy by allowing building access via a smaller opening versus the entire sectional door.



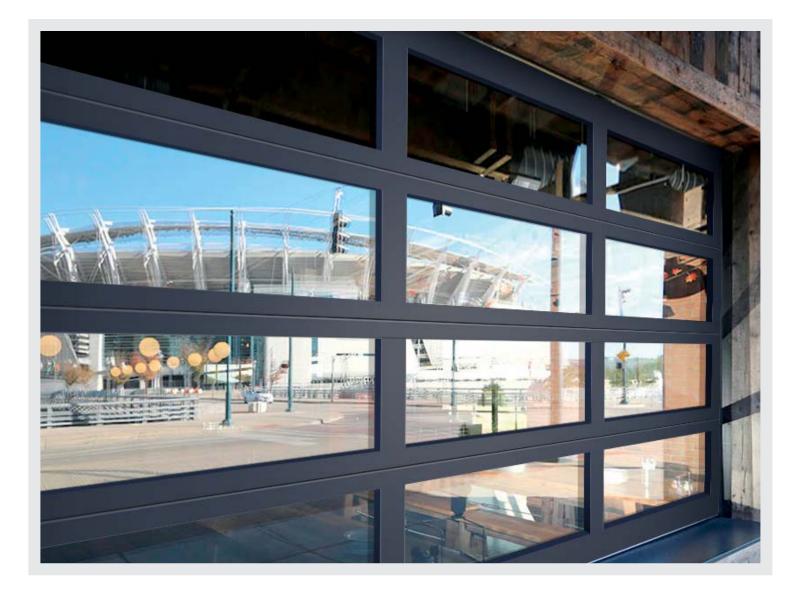


#### EXHAUST PORT

Can be cut into any type of sectional door. Available in 3" (7.6 cm) and 4" (10.2 cm) sizes.

#### **SPRING BUMPERS**

Standard on high lift and vertical lift tracks, optional on standard radius and low headroom tracks.



# **GLAZING MATERIAL OPTIONS – SECTIONAL DOORS**

ARCHITECTURAL SERIES STEEL FULL-VIEW, ENERGY SERIES WITH INTELLICORE, ENERGY SERIES AND INDUSTRIAL SERIES





Frosted Glass





Narrow Reed Glass



Clear Acrylic

Tempered glass options available.

For full-view glass options, see Architectural Series Aluminum Full-View Door pages 7 and 9.

# **IMPACT WINDOW OPTIONS**

ARCHITECTURAL SERIES STEEL FULL-VIEW AND ENERGY SERIES WITH INTELLICORE





Bronze Polycarbonate

Matte Polycarbonate



Pebble Polycarbonate

# **COLOR OPTIONS – 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	<sup>Trinar®</sup> White	<sup>Trinar®</sup> Beiqe	Lustra™ Black	<sup>Lustra™</sup> Charcoal	Lustra™ Silver
ARCHITECTURAL SERIES	3158, 3159						•		•		•		•					
	3208, 3209							-						-				
	3708, 3709											-		-				
	3728, 3729				-			-				-						
	3715											-						
щ	3717, 3718																	
ENERGY SERIES WITH INTELLICORE	3720														-			
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_>	3724																	
	3730																	
	3150																	
RIES	3200																	
3Y SE	3220																	
energy series	3154, 3155				•													
	3211, 3213																	
ŝ	525, 525V, 525S																	
INDUSTRIAL SERIES	524, 524V, 524S																	
RIAL	522, 522S																	
DUST	520, 520S																	
2	664, 664V																	

For Models 904/904U color availability please refer to page 7. For Models 905/905U/906/906U color availability please refer to page 9.

## **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.

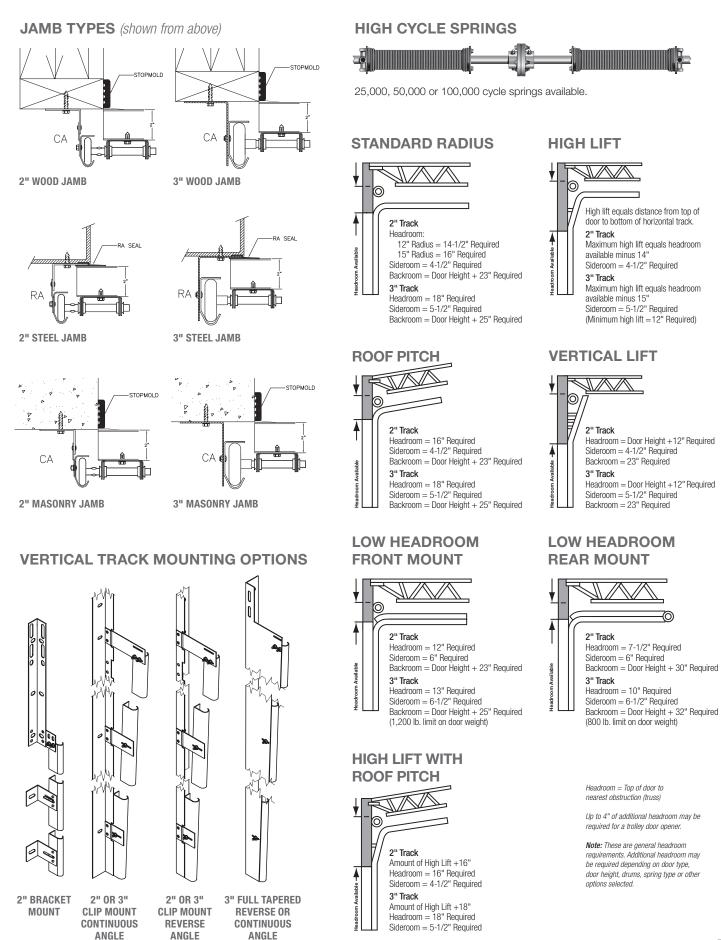
- Available on most sectional steel, overlay and aluminum commercial door models. (Not available on flush models 522 and 522S, commercial pass doors and breakaway bottom sections.)
- Backed by a five-year warranty.
- Meets American Architectural Manufacturing Association 2604 standards.
- Solar reflective 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



# rolling steel series

# **ROLLING SERVICE DOORS**

- Requires minimal maintenance for the lifespan of the door due to the sturdy-commercial grade construction.
- Provide security against entry as well as weather protection in a variety of industrial and commercial applications.
- Incorporate guides, bottom bars and headplates that are powder-coat finished for enhanced aesthetics and increased durability.
- Feature galvanized steel, aluminum or stainless steel finishes.
- Operate manually with hand-chain, hand-crank, or push-up; motor options are also available.

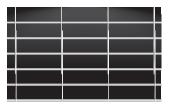




## **SECURITY GRILLES**

- Separate and secure designated spaces while maintaining airflow and visibility.
- Maximize the use of the interior space; curtain sits in a compact coil at the head of an opening.
- Built to order; available in a straight or brick pattern; flame-retardant glaze with polycarbonate protection is also optional.
- Offer low lifecycle cost due to the use of quality materials and heavy-duty construction.
- Finishes include polished stainless and anodized aluminum in a clear or colored anodized finish, adding beauty as well as security to the interior or exterior of a building.

#### **GRILLE PATTERNS**



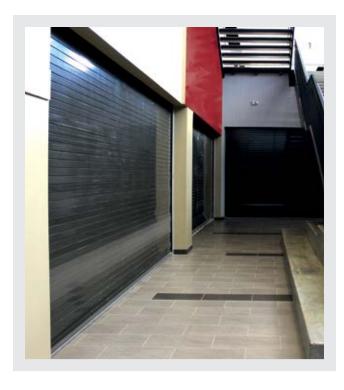


Straight Pattern Grille (2" × 3", 2" × 6", 2" × 9")

# rolling steel series

# **COUNTER SHUTTERS**

- An ideal choice for service openings: cafeterias, stadiums, arenas, hospitality and healthcare offices.
- Built to exact opening specifications using compact guides, slats, brackets and hood, they provide a sleeker look than traditional rolling doors.
- Offer a custom appearance (with no exposed edges) and fast installation; slip-in units arrive ready to be set into existing walls.
- Operate manually with hand-chain, hand-crank, or push-up; motor options are also available.
- Concealed tubular motors provide a space-saving design option for dimensional limitations.





# FIRE-RATED DOORS AND SHUTTERS

- Manufactured to the stringent qualities of full-duty service doors, yet easily meet the most up-to-date fire protection standards.
- Operational choices include fail-safe, motor-operated systems, hand crank (manual) and standard chain hoist operated systems.
- Custom-built to exact opening specifications; UL labeled for up to 3 hours.
- Curtains are available in 22 gauge galvanized steel with optional powder coating; also available in 22 gauge 300 series stainless steel; galvanized steel endlocks are provided per UL procedure.

# 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.

#### LOW MAINTENANCE WITH LASTING FINISH

- 26 gauge (24 for W8 WindCode<sup>®</sup> 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 155C, 156C, 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.

#### PEACE OF MIND

- Forty-year chalking warranty, twenty-five year anti-fade warranty.
- Three-year hardware warranty (150C), one-year hardware warranty (155C, 156C, 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*.



# **COLOR OPTIONS – ROLL-UP DOORS**



# **COMMERCIAL OPERATORS**





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<sup>®</sup> 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.

## ACCESSORIES

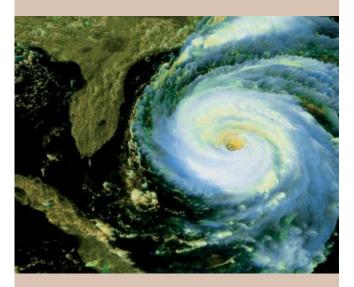




- Sensing edges.
- Red/green traffic lights.
- Loop detectors.
- Damp environment/corrosion resistant modification.
- Many other modifications and accessories to meet your project requirements.



Clopay has been at the forefront of code compliant sectional door products for decades. From research and development to design assistance, Clopay is your source for WINDCODE<sup>®</sup> products. Clopay offers a variety of wind-loaded products in many different sizes and pressure ratings. Our continued emphasis on this important issue puts Clopay ahead of the competition.



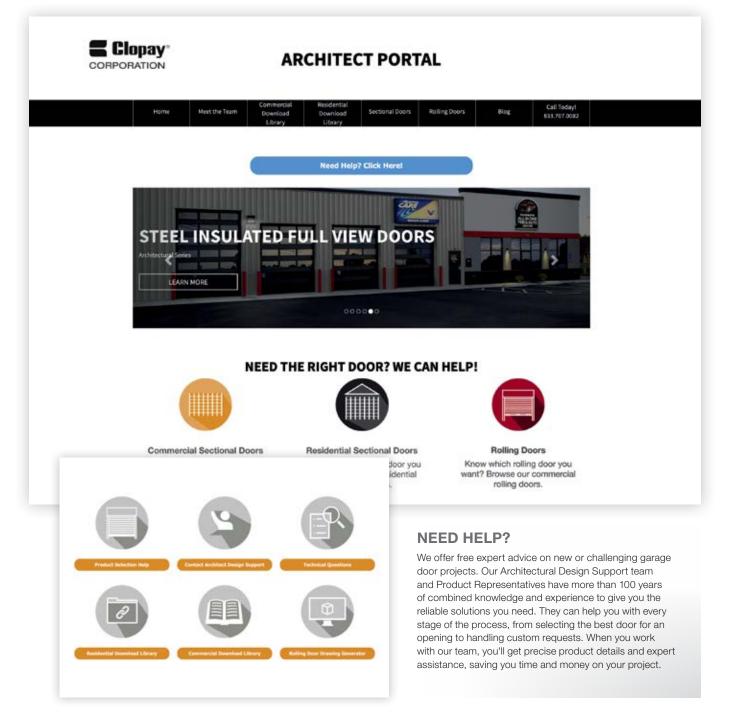
Some of the benefits Clopay offers include:

- Professional engineering staff.
- Design recommendations.
- In-house testing facilities.
- Third-party independent testing verifications.
- Construction industry approvals: South Florida, Standard Building Code Congress, Texas Department of Insurance, North Carolina Building Code Council.
- In-house research and development at Clopay Building Products Technical Center in Cincinnati, Ohio.
- Dedicated building code product manager on staff.

# architectdoorhelp.com

#### ARCHITECT RESOURCE GUIDE FOR GARAGE DOORS

Our Architect Portal is your go-to source for all the technical materials you need to support your next garage door project. You'll find residential and commercial overhead door resources like specifications, data sheets, a BIM library, and a custom drawing generator all in one place.











# upgrading expectations

Spokane International Airport Snow Removal Equipment Building



#### **COLLABORATIVE DESIGN**

Clopay partnered with a Master Authorized Dealer<sup>®</sup>, Continental Door Company, to design and install 28 commercial doors on Spokane International Airport's (SIA) new \$7.5 million snow removal building. The combination of Model 3722 overhead sectional steel doors and Model 903 full-view aluminum doors contributed to the building's LEED Gold certification and striking appearance.

#### **ENGINEERED SOLUTION**

Clopay engineers and the Continental Door team collaborated on designing doors to fit the installation challenges of the uniquely shaped building while delivering a solution that is extremely reliable, safe and efficient. The result is a visually stunning installation that features door hardware on a straight incline in lieu of a breakaway track, a custom staggered hinge scheme and 4' and 6' struts to meet demanding wind load requirements. The ruggedness of the 2" thick premium Model 3722, 20 gauge steel doors ensures low maintenance in an environment that is subjected to high traffic and harsh winter conditions.

#### **CASE STUDY OVERVIEW:**

- Location: Spokane, Washington
- Project Size: 46,400 square feet
- Facility Cost: \$7.5 million, LEED Gold certification
- Completion: June 2013

- Architect: Cortner Architectural
- General Contractor: Lydig Construction Inc., of Spokane
- Clopay Garage Door Installer: Continental Door Company

## **COMMERCIAL DOOR SELECTION CHART**

	ECTURAL SE							
Model	Steel Emboss	Exterior Skin Pattern	Gauge	Section Thickness	Insulation	Max. Width*	Max. Height*	R-value
904	-	Aluminum/Glass	-	2-1/8"	–	24'2"	20'0"	-
904U	-	Aluminum/Glass	-	2-1/8"	Intellicore <sup>®</sup> Polyurethane	24'2"	20'2"	3.8
905 905U	-	Aluminum/Glass Aluminum/Glass	-	2-1/8" 2-1/8"	Intellicore <sup>®</sup> Polyurethane	22'2" 20'2"	16'0" 16'2"	_
9050	-	Aluminum/Glass	-	2-1/8"		20 2	16'0"	-
906U	_	Aluminum/Glass	-	2-1/8"	Intellicore <sup>®</sup> Polyurethane	20'2"	16'2"	-
	ECTURAL SE	RIES (STEEL FULL-VIE			intoinooro i orgarotinano			
Model	Steel Emboss	Exterior Skin Pattern	Gauge	Section Thickness	Insulation	Max. Width*	Max. Height*	R-value
3158 <sup>+</sup>	Stucco	Flush	27	1-3/8"	Bonded Polystyrene	18'2"	16'0"	6.5 <sup>‡</sup>
3159 <sup>+</sup>	Stucco	Minor Ribbed	27	1-3/8"	Bonded Polystyrene	18'2"	16'0"	6.5 <sup>±</sup>
3208 <sup>+</sup>	Stucco	Flush	24	2"	Bonded Polystyrene	20'2"	18'0"	9.1‡
3209†	Stucco	Minor Ribbed	24	2"	Bonded Polystyrene	20'2"	18'0"	9.1 <sup>‡</sup>
3708 <sup>+</sup>	Stucco	Flush	27	1-3/8"	Intellicore <sup>®</sup> Polyurethane	18'2"	16'0"	12.9 <sup>‡</sup>
3709 <sup>+</sup>	Stucco	Minor Ribbed	27	1-3/8"	Intellicore <sup>®</sup> Polyurethane	18'2"	16'0"	12.9 <sup>‡</sup>
3728 <sup>+</sup>	Stucco/Smooth	Flush	27	2"	Intellicore <sup>®</sup> Polyurethane	20'2"	18'0"	18.4 <sup>±</sup>
3729 <sup>+</sup>	Stucco/Smooth	Minor Ribbed	27	2"	Intellicore <sup>®</sup> Polyurethane	20'2"	18'0"	18.4 <sup>‡</sup>
NERG	Y SERIES WIT	H INTELLICORE						
Model	Steel Emboss	Exterior Skin Pattern	Gauge	Section Thickness	Insulation	Max. Width*	Max. Height*	R-value
3715 <sup>†</sup>	Stucco	Minor Ribbed	27	1-3/8"	Intellicore <sup>®</sup> Polyurethane	18'2"	16'0"	12.9
3717 <sup>†</sup>	Stucco	Minor Ribbed	27	1-3/4"	Intellicore <sup>®</sup> Polyurethane	32'2"	26'0"	16.2
3718 <sup>+</sup>	Stucco	Flush	27	1-3/4"	Intellicore <sup>®</sup> Polyurethane	32'2"	26'0"	16.2
3720 <sup>+</sup>	Stucco	Minor Ribbed	27	2"	Intellicore <sup>®</sup> Polyurethane	40'2"	26'0"	18.4
3721+	Woodgrain	Flush	27	2"	Intellicore <sup>®</sup> Polyurethane	24'2"	18'0"	18.4
3722 <sup>+</sup>	Stucco	Flush	20	2"	Intellicore <sup>®</sup> Polyurethane	40'2"	26'0"	18.4
3723 <sup>†</sup>	Woodgrain	Raised Panel	27	2"	Intellicore <sup>®</sup> Polyurethane	24'2"	18'0"	18.4
3724 <sup>+</sup>	Stucco	Minor Ribbed	24	2"	Intellicore <sup>®</sup> Polyurethane	40'2"	26'0"	18.4
3730 <sup>+</sup>	Stucco	Minor Ribbed	27	3"	Intellicore® Polyurethane	30'2"	18'0"	27.2
NERG	Y SERIES							
Model	Steel Emboss	Exterior Skin Pattern	Gauge	Section Thickness	Insulation	Max. Width*	Max. Height*	R-value
3150 <sup>+</sup>	Stucco	Minor Ribbed	27	1-3/8"	Bonded Polystyrene	18'2"	16'0"	6.5
3154 <sup>†</sup>	Woodgrain	Raised Panel	27	1-3/8"	Bonded Polystyrene	18'2"	16'0"	6.5
3155 <sup>+</sup>	Woodgrain	Flush	27	1-3/8"	Bonded Polystyrene	18'2"	16'0"	6.5
3200 <sup>+</sup>	Stucco	Minor Ribbed	24	2"	Bonded Polystyrene	26'2"	24'0"	9.1
3211 <sup>+</sup>	Woodgrain	Flush	24	2"	Bonded Polystyrene	24'2"	18'0"	9.1
3213 <sup>+</sup>	Woodgrain	Raised Panel	24	2"	Bonded Polystyrene	24'2"	18'0"	9.1
3220+	Stucco	Flush	20	2"	Bonded Polystyrene	28'2"	26'0"	9.1
NDUST	<b>RIAL SERIES</b>							
Model	Steel Emboss	Exterior Skin Pattern	Gauge	Section Thickness	Insulation	Max. Width*	Max. Height*	R-value
520 (S)	Smooth		0				U U U U U U U U U U U U U U U U U U U	6.6**
			20			32'2"		
522 (S)		Minor+Deep Ribs	20	2"	Polystyrene or Non-insulated	32'2" 24'2"	26'0" 24'0"	
522 (S)	Smooth	Flush	20	2"	Polystyrene or Non-insulated	24'2"	24'0"	6.6**
524 (S,V)	Smooth Smooth	Flush Minor+Deep Ribs	20 24	2" 2"	Polystyrene or Non-insulated Polystyrene or Non-insulated	24'2" 26'2"	24'0" 24'0"	6.6** 6.6**
524 (S,V) 525 (S,V)	Smooth Smooth Smooth	Flush Minor+Deep Ribs Minor+Deep Ribs	20 24 25	2" 2" 2"	Polystyrene or Non-insulated Polystyrene or Non-insulated Polystyrene or Non-insulated	24'2" 26'2" 20'2"	24'0" 24'0" 18'0"	6.6** 6.6** 6.6**
524 (S,V) 525 (S,V) 664 (V)	Smooth Smooth Smooth Woodgrain	Flush Minor+Deep Ribs Minor+Deep Ribs Raised Panel	20 24	2" 2"	Polystyrene or Non-insulated Polystyrene or Non-insulated	24'2" 26'2"	24'0" 24'0"	6.6** 6.6**
524 (S,V) 525 (S,V) 664 (V) OLLIN	Smooth Smooth Smooth Woodgrain G STEEL DOC	Flush Minor+Deep Ribs Minor+Deep Ribs Raised Panel	20 24 25	2" 2" 2"	Polystyrene or Non-insulated Polystyrene or Non-insulated Polystyrene or Non-insulated	24'2" 26'2" 20'2"	24'0" 24'0" 18'0"	6.6** 6.6** 6.6**
524 (S,V) 525 (S,V) 664 (V) OLLIN ervice Do	Smooth Smooth Smooth Woodgrain G STEEL DOO	Flush Minor+Deep Ribs Minor+Deep Ribs Raised Panel	20 24 25	2" 2" 2" 2"	Polystyrene or Non-insulated Polystyrene or Non-insulated Polystyrene or Non-insulated Polystyrene or Non-insulated	24'2" 26'2" 20'2"	24'0" 24'0" 18'0" 18'0"	6.6** 6.6** 6.6**
24 (S,V) 25 (S,V) 664 (V) OLLIN rvice Do Model	Smooth Smooth Smooth Woodgrain G STEEL DOC ors Description	Flush Minor+Deep Ribs Minor+Deep Ribs Raised Panel DRS	20 24 25	2" 2" 2" 2" Insulation	Polystyrene or Non-insulated Polystyrene or Non-insulated Polystyrene or Non-insulated Polystyrene or Non-insulated Gauge R-value	24'2" 26'2" 20'2" 20'0"	24'0" 24'0" 18'0" 18'0" Slat Material	6.6** 6.6** 6.6** 6.3**
524 (S,V) 525 (S,V) 664 (V) OLLIN rvice Do Model CESD10	Smooth Smooth Smooth Woodgrain G STEEL DOO ors Description Heavy Duty Servic	Flush Minor+Deep Ribs Minor+Deep Ribs Raised Panel DRS	20 24 25	2" 2" 2" 2" Insulation Non-insulated	Polystyrene or Non-insulated Polystyrene or Non-insulated Polystyrene or Non-insulated Polystyrene or Non-insulated Gauge R-value 18 to 24 –	24'2" 26'2" 20'2" 20'0" Alumint	24'0" 24'0" 18'0" 18'0" Slat Material um, Galvanized or Stain	6.6** 6.6** 6.3** less Steel
524 (S,V) 525 (S,V) 664 (V) OLLIN Model CESD10 CESD20	Smooth Smooth Woodgrain G STEEL DOO IOFS Description Heavy Duty Servic Heavy Duty Servic	Flush Minor+Deep Ribs Minor+Deep Ribs Raised Panel DRS e Door e Door e Door	20 24 25	2" 2" 2" 2" Insulation Non-insulated	Polystyrene or Non-insulated Polystyrene or Non-insulated Polystyrene or Non-insulated Polystyrene or Non-insulated	24'2" 26'2" 20'2" 20'0" Alumini Alumini	24'0" 24'0" 18'0" 18'0" Slat Material um, Galvanized or Stain um, Galvanized or Stain	6.6** 6.6** 6.3** less Steel less Steel
224 (S,V) 225 (S,V) 664 (V) OLLIN TVICE DO Model CESD10 CESD20 CERD10	Smooth Smooth Smooth Woodgrain G STEEL DOO Ors Description Heavy Duty Servic Heavy Duty Servic Heavy Duty Servic	Flush Minor+Deep Ribs Minor+Deep Ribs Raised Panel DRS e Door e Door e Door ated Service Door	20 24 25	2" 2" 2" 2" Insulation Non-insulated Non-insulated	Polystyrene or Non-insulated Polystyrene or Non-insulated Polystyrene or Non-insulated Polystyrene or Non-insulated <b>Gauge R-value</b> 1 18 to 24 – 18 to 24 8.1 18 to 22 –	24'2" 26'2" 20'2" 20'0" Alumin Alumin Galv	24'0" 24'0" 18'0" 18'0" Slat Material um, Galvanized or Stain um, Galvanized or Stain anized Steel or Stainles	6.6** 6.6** 6.3** less Steel less Steel s Steel
24 (S,V) 25 (S,V) 664 (V) <b>DLLIN</b> rvice Do Model DESD10 DESD20 DERD10 DERD11	Smooth Smooth Smooth Woodgrain G STEEL DOO Ors Description Heavy Duty Servic Heavy Duty Servic Heavy Duty Servic Heavy Duty Fire R Heavy Duty Fire &	Flush Minor+Deep Ribs Minor+Deep Ribs Raised Panel DRS e Door e Door e Door ated Service Door Smoke Rated Service Door	20 24 25	2" 2" 2" 2" Insulation Non-insulated Non-insulated Non-insulated	Polystyrene or Non-insulated Polystyrene or Non-insulated Polystyrene or Non-insulated Polystyrene or Non-insulated <b>Gauge R-value</b> <b>Gauge R-value</b> 1 8 to 24 – 18 to 24 8.1 18 to 22 – 18 to 22 –	24'2" 26'2" 20'2" 20'0" Alumin Alumin Galv Galv	24'0" 24'0" 18'0" 18'0" Slat Material um, Galvanized or Stain um, Galvanized or Stain anized Steel or Stainles anized Steel or Stainles	6.6** 6.6** 6.3** less Steel less Steel s Steel s Steel s Steel
224 (S,V) 225 (S,V) 664 (V) OLLIN rvice Do Model CESD10 CESD10 CESD20 CERD10 CERD11 CERD11 CERD20	Smooth Smooth Smooth Woodgrain G STEEL DOO Ors Description Heavy Duty Servic Heavy Duty Fire R Heavy Duty Fire R Heavy Duty Fire R	Flush Minor+Deep Ribs Minor-Deep Ribs Raised Panel DRS e Door e Door e Door ated Service Door Smoke Rated Service Door ated Service Door	20 24 25	2" 2" 2" 2" Insulation Non-insulated Non-insulated Non-insulated	Polystyrene or Non-insulated Polystyrene or Non-insulated Polystyrene or Non-insulated Polystyrene or Non-insulated <b>Gauge R-value</b> <b>Gauge R-value</b> 18 to 24 – 18 to 24 – 18 to 22 – 18 to 22 – 18 to 22 8.1	24'2" 26'2" 20'2" 20'0" Alumin Alumin Galv Galv	24'0" 24'0" 18'0" 18'0" Slat Material um, Galvanized or Stain um, Galvanized or Stain anized Steel or Stainles	6.6** 6.6** 6.6** 6.3** less Steel less Steel s Steel s Steel s Steel
224 (S,V) 225 (S,V) 664 (V) OLLIN rvice Do Model CESD10 CESD10 CESD20 CERD10 CERD11 CERD11 CERD20	Smooth Smooth Smooth Woodgrain G STEEL DOO Ors Description Heavy Duty Servic Heavy Duty Fire R Heavy Duty Fire R Heavy Duty Fire R	Flush Minor+Deep Ribs Minor+Deep Ribs Raised Panel DRS e Door e Door e Door ated Service Door Smoke Rated Service Door	20 24 25	2" 2" 2" 2" Insulation Non-insulated Non-insulated Non-insulated	Polystyrene or Non-insulated Polystyrene or Non-insulated Polystyrene or Non-insulated Polystyrene or Non-insulated <b>Gauge R-value</b> <b>Gauge R-value</b> 1 8 to 24 – 18 to 24 8.1 18 to 22 – 18 to 22 –	24'2" 26'2" 20'2" 20'0" Alumin Alumin Galv Galv	24'0" 24'0" 18'0" 18'0" Slat Material um, Galvanized or Stain um, Galvanized or Stain anized Steel or Stainles anized Steel or Stainles	6.6** 6.6** 6.6** 6.3** less Steel less Steel s Steel s Steel s Steel
524 (S,V) 525 (S,V) 664 (V) OLLIN rvice Do Model CESD10 CERD10 CERD10 CERD11 CERD11 CERD20 CERD21	Smooth Smooth Smooth G STEEL DOO O'S Description Heavy Duty Servic Heavy Duty Fire R Heavy Duty Fire R Heavy Duty Fire R Heavy Duty Fire R	Flush Minor+Deep Ribs Minor-Deep Ribs Raised Panel DRS e Door e Door e Door ated Service Door Smoke Rated Service Door ated Service Door	20 24 25	2" 2" 2" 2" Insulation Non-insulated Non-insulated Non-insulated	Polystyrene or Non-insulated Polystyrene or Non-insulated Polystyrene or Non-insulated Polystyrene or Non-insulated <b>Gauge R-value</b> <b>18 to 24 –</b> <b>18 to 24 –</b> <b>18 to 24 –</b> <b>18 to 22 –</b>	24'2" 26'2" 20'2" 20'0" Alumin Alumin Galv Galv	24'0" 24'0" 18'0" 18'0" Slat Material um, Galvanized or Stain um, Galvanized or Stain anized Steel or Stainles anized Steel or Stainles	6.6** 6.6** 6.6** 6.3** less Steel less Steel s Steel s Steel s Steel
524 (S, V) 525 (S, V) 664 (V) OLLIN OLLIN CESD10 CESD10 CERD10 CERD10 CERD11 CERD20 CERD21	Smooth Smooth Smooth G STEEL DOO O'S Description Heavy Duty Servic Heavy Duty Fire R Heavy Duty Fire R Heavy Duty Fire R Heavy Duty Fire R	Flush Minor+Deep Ribs Minor-Deep Ribs Raised Panel DRS e Door e Door e Door ated Service Door Smoke Rated Service Door ated Service Door	20 24 25	2" 2" 2" 2" Insulation Non-insulated Non-insulated Non-insulated	Polystyrene or Non-insulated Polystyrene or Non-insulated Polystyrene or Non-insulated Polystyrene or Non-insulated <b>Gauge R-value</b> <b>18 to 24 –</b> <b>18 to 24 –</b> <b>18 to 24 –</b> <b>18 to 22 –</b>	24'2" 26'2" 20'2" 20'0" Alumin Alumin Galv Galv	24'0" 24'0" 18'0" 18'0" Slat Material um, Galvanized or Stain um, Galvanized or Stain anized Steel or Stainles anized Steel or Stainles	6.6** 6.6** 6.6** 6.3** less Steel less Steel s Steel s Steel s Steel
524 (S,V) 525 (S,V) 664 (V) OLLIN rvice Do Model CESD10 CESD10 CERD10 CERD11 CERD21 CERD21 CERD21 CURITY Gr Model	Smooth Smooth Smooth Woodgrain G STEEL DOO OrS Description Heavy Duty Servic Heavy Duty Servic Heavy Duty Servic Heavy Duty Fire & Heavy Duty Fire & Heavy Duty Fire & Heavy Duty Fire &	Flush Minor+Deep Ribs Minor-Deep Ribs Raised Panel DRS e Door e Door e Door ated Service Door Smoke Rated Service Door ated Service Door	20 24 25	2" 2" 2" 2" Insulation Non-insulated Non-insulated Non-insulated	Polystyrene or Non-insulated Polystyrene or Non-insulated Polystyrene or Non-insulated Polystyrene or Non-insulated <b>Gauge R-value</b> 1 8 to 24 – 1 8 to 24 8.1 1 8 to 22 – 1 8 to 22 8.1 1 8 to 22 8.1	24'2" 26'2" 20'2" 20'0" Alumini Alumini Galv Galv	24'0" 24'0" 18'0" 18'0" Slat Material um, Galvanized or Stain um, Galvanized or Stain anized Steel or Stainles anized Steel or Stainles anized Steel or Stainles	6.6** 6.6** 6.3** less Steel less Steel s Steel s Steel s Steel s Steel
524 (S,V) 525 (S,V) 664 (V) OLLIN rvice Do Model CESD10 CESD20 CERD10 CERD11 CERD20 CERD21 CERD21 CURITY GI Model CESG10	Smooth Smooth Smooth G STEEL DOO O'S Description Heavy Duty Servic Heavy Duty Servic Heavy Duty Fire & Heavy Duty Fire & Heavy Duty Fire & Heavy Duty Fire & Heavy Duty Fire & Description	Flush Minor+Deep Ribs Minor-Deep Ribs Raised Panel DRS e Door e Door e Door ated Service Door Smoke Rated Service Door Smoke Rated Service Door	20 24 25	2" 2" 2" 2" Insulation Non-insulated Non-insulated Non-insulated	Polystyrene or Non-insulated Polystyrene or Non-insulated Polystyrene or Non-insulated Polystyrene or Non-insulated Gauge         R-value           18 to 24         -           18 to 24         -           18 to 22         8.1	24'2" 26'2" 20'2" 20'0" Alumini Alumini Galv Galv Galv	24'0" 24'0" 18'0" 18'0" Slat Material um, Galvanized or Stain um, Galvanized or Stain anized Steel or Stainles anized Steel or Stainles anized Steel or Stainles anized Steel or Stainles anized Steel or Stainles	6.6** 6.6** 6.6** 6.3** less Steel less Steel s Steel s Steel s Steel d Steel
524 (S,V) 525 (S,V) 664 (V) OLLING rvice Do Model CESD10 CERD10 CERD10 CERD11 CERD20 CERD21 CERD21 CURD21 C	Smooth Smooth Smooth Woodgrain G STEEL DOO Ors Description Heavy Duty Servic Heavy Duty Servic Heavy Duty Fire R Heavy Duty Fire R Beavy Duty Fire R Heavy Duty Fire R Heavy Duty Fire R Heavy Duty Fire R Heavy Duty Fire R	Flush Minor+Deep Ribs Minor-Deep Ribs Raised Panel DRS e Door e Door e Door ated Service Door Smoke Rated Service Door Smoke Rated Service Door	20 24 25	2" 2" 2" 2" Insulation Non-insulated Non-insulated Non-insulated	Polystyrene or Non-insulated Polystyrene or Non-insulated Polystyrene or Non-insulated Polystyrene or Non-insulated	24'2" 26'2" 20'2" 20'0" Alumini Alumini Galv Galv Galv Stair	24'0" 24'0" 18'0" 18'0" Slat Material um, Galvanized or Stain um, Galvanized or Stainles anized Steel or Stainles anized Steel or Stainles anized Steel or Stainles manized Steel or Stainles manized Steel or Galvanize bless Steel or Galvanize	6.6** 6.6** 6.6** 6.3** less Steel less Steel s Steel s Steel s Steel s Steel d Steel d Steel
524 (S,V) 525 (S,V) 664 (V) OLLIN rvice Do Model CESD10 CERD10 CERD10 CERD10 CERD10 CERD10 CERD11 CERD20 CERD21 curity Gr Model CESG10 CESG11 CESG12	Smooth Smooth Smooth Woodgrain G STEEL DOO OrS Description Heavy Duty Servic Heavy Duty Servic Heavy Duty Fire & Heavy Duty Fire & Heavy Duty Fire & Heavy Duty Fire & Heavy Duty Fire & Second State Heavy Duty Fire & Heavy Heavy Fire & Heavy Heavy Fire & Heavy Heavy Fire & Heavy Heavy Heavy Fire & Heavy Heavy He	Flush Minor+Deep Ribs Minor+Deep Ribs Raised Panel DRS e Door e Door e Door ated Service Door Smoke Rated Service Door ated Service Door Smoke Rated Service Door	20 24 25	2" 2" 2" 2" 2" Insulation Non-insulated Non-insulated Insulated In	Polystyrene or Non-insulated Polystyrene or Non-insulated Polystyrene or Non-insulated Polystyrene or Non-insulated <b>Gauge R-value</b> <b>Gauge R-value</b> 18 to 24 8.1 18 to 22 - 18 to 22 - 18 to 22 - 18 to 22 8.1 18 to 22 8.1 19 to 22 8.1 10 to 22 8.	24'2" 26'2" 20'2" 20'0" Alumini Alumini Galv Galv Galv Stair	24'0" 24'0" 18'0" 18'0" Slat Material um, Galvanized or Stain um, Galvanized or Stainles anized Steel or Stainles anized Steel or Stainles anized Steel or Stainles — Material nless Steel or Galvanize nless Steel or Galvanize nless Steel or Galvanize	6.6** 6.6** 6.6** 6.3** less Steel less Steel s Steel s Steel s Steel s Steel d Steel d Steel
524 (S,V) 525 (S,V) 664 (V) OLLIN rvice Do Model CESD10 CERD10 CERD10 CERD11 CERD21 CERD21 CERD21 CURD21 CURD21 CURD21 CESG10 CESG10 CESG11 CESG12 CESG30	Smooth Smooth Smooth Woodgrain G STEEL DOO OrS Description Heavy Duty Servic Heavy Duty Servic Heavy Duty Servic Heavy Duty Fire & Heavy D	Flush Minor+Deep Ribs Minor+Deep Ribs Raised Panel DRS e Door e Door e Door ated Service Door Smoke Rated Service Door ated Service Door Smoke Rated Service Door Smoke Rated Service Door	20 24 25	2" 2" 2" 2" Insulation Non-insulated Non-insulated Insulated Insulated Insulated Standard (9	Polystyrene or Non-insulated Polystyrene or Non-insulated Polystyrene or Non-insulated Polystyrene or Non-insulated <b>Gauge R-value</b> <b>Gauge R-value</b> 1 8 to 24 - 18 to 24 8.1 18 to 22 - 18 to 22 - 18 to 22 - 18 to 22 8.1 18 to 22 8.1 19 to 22 8.1 10 to 28 8.1	24'2" 26'2" 20'2" 20'0" Alumini Alumini Galv Galv Galv Stair	24'0" 24'0" 18'0" 18'0" Slat Material um, Galvanized or Stain um, Galvanized or Stainles anized Steel or Stainles anized Steel or Stainles anized Steel or Stainles anized Steel or Galvanize less Steel or Galvanize less Steel or Galvanize anized or Galvanize	6.6** 6.6** 6.6** 6.3** less Steel less Steel s Steel s Steel s Steel s Steel d Steel d Steel
i24 (S,V) i25 (S,V) 664 (V) <b>OLLINI</b> <b>TVICE DO</b> Model CESD10 CESD10 CERD11 CERD20 CERD11 CERD21 CERD11 CERD21 CESG11 CESG11 CESG12 CESG11 CESG12 CESG31	Smooth Smooth Smooth Woodgrain G STEEL DOO OrS Description Heavy Duty Servic Heavy Duty Servic Heavy Duty Servic Heavy Duty Fire & Heavy Duty Fire & Cosciption Rolling Grille Lexan <sup>™</sup> Glazed Ro Rolling Grille Side Folding Lexan	Flush Minor+Deep Ribs Minor+Deep Ribs Raised Panel DRS e Door e Door e Door ated Service Door Smoke Rated Service Door ated Service Door Smoke Rated Service Door Smoke Rated Service Door	20 24 25	2" 2" 2" 2" Insulation Non-insulated Non-insulated Insulated Insulated Insulated Standard (9	Polystyrene or Non-insulated Polystyrene or Non-insulated Polystyrene or Non-insulated Polystyrene or Non-insulated <b>Gauge R-value</b> <b>Gauge R-value</b> 18 to 24 8.1 18 to 22 - 18 to 22 - 18 to 22 - 18 to 22 8.1 18 to 22 8.1 19 to 22 8.1 10 to 22 8.	24'2" 26'2" 20'2" 20'0" Alumini Alumini Galv Galv Galv Stair	24'0" 24'0" 18'0" 18'0" Slat Material um, Galvanized or Stain um, Galvanized or Stainles anized Steel or Stainles anized Steel or Stainles anized Steel or Stainles — Material nless Steel or Galvanize nless Steel or Galvanize nless Steel or Galvanize	6.6** 6.6** 6.6** 6.3** less Steel less Steel s Steel s Steel s Steel s Steel d Steel d Steel
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524 (S,V) 525 (S,V) 664 (V) OLLINI OLLINI CESD10 CESD10 CESD10 CESD20 CERD11 CESD20 CERD21 CERD21 CERD21 CESC10 CESG10 CESG10 CESG31 CESG31 CESG31 CESG31 CESG31 CESG31 CESC10 CESC10 CESC20 CESC20 CESC20 CESC20 CESC20 CESC20 CESC20	Smooth Smooth Smooth Woodgrain G STEEL DOO Ors Description Heavy Duty Servic Heavy Duty Servic Heavy Duty Servic Heavy Duty Fire & Heavy D	Flush Minor+Deep Ribs Minor+Deep Ribs Raised Panel DRS e Door e Door e Door ated Service Door Smoke Rated Service Door ated Service Door Smoke Rated Service Door ated Service Door Ming Grille rdion) Grille "" or Solid Grille Door Door with Integral Frame ed Counter Door	20 24 25 24	2" 2" 2" 2" 2" 2" 2" 2" 2" 2" 2" 2" 2" 2	Polystyrene or Non-insulated           It to 22           18 to 24           18 to 22           18 to 22           18 to 22           18 to 22           8.1           18 to 22           8.1           18 to 22           Standard           Lexan™           Brick           "', 6" or 3" wide by 2" high)           Solid or Lexan™           8 to 22           18 to 22	24'2" 26'2" 20'0" Alumini Alumini Galv Galv Galv Stair Stair Stair Stair	24'0" 24'0" 18'0" 18'0" Slat Material um, Galvanized or Stain um, Galvanized or Stainles anized Steel or Stainles anized Steel or Stainles anized Steel or Stainles anized Steel or Galvanize hess Steel or Galvanize aluminum Aluminum Slat Material um, Galvanized or Stain alvanized or Stainless Stainless Stainless Stainless Stainless	6.6** 6.6** 6.6** 6.3** less Steel less Steel s Steel s Steel d Steel d Steel d Steel d Steel less Steel less Steel less Steel itel
i24 (S,V) i25 (S,V) 664 (V) OLLINI rvice Do Model CESD10 CESD10 CERD11 CERD21 CERD21 CERD21 CERD21 CESG10 CESG10 CESG11 CESG12 CESG10 CESG31 Unter Do Model CESG10 CESC10 CESC20 CESC10 CESC20	Smooth Smooth Smooth Woodgrain G STEEL DOO OFS Description Heavy Duty Servic Heavy Duty Servic Heavy Duty Servic Heavy Duty Fire R Heavy D	Flush Minor+Deep Ribs Minor+Deep Ribs Raised Panel DRS e Door e Door e Door ated Service Door Smoke Rated Service Door ated Service Door Smoke Rated Service Door ated Service Door Ming Grille rdion) Grille "" or Solid Grille Door Door with Integral Frame	20 24 25 24	2" 2" 2" 2" Insulation Non-insulated Non-insulated Insulated Insulated Insulated Standard (9	Polystyrene or Non-insulated Polystyrene or Non-insulated Polys	24'2" 26'2" 20'0" Alumini Alumini Galv Galv Galv Stair Stair Stair Stair	24'0" 24'0" 18'0" 18'0" Slat Material um, Galvanized or Stain anized Steel or Stainles anized Steel or Stainles anized Steel or Stainles anized Steel or Stainles anized Steel or Galvanize hess Steel or Galvanize hess Steel or Galvanize hess Steel or Galvanize hess Steel or Galvanize Steel or Galvanize Aluminum Aluminum	6.6** 6.6** 6.6** 6.3** less Steel less Steel s Steel s Steel s Steel d Steel d Steel d Steel d Steel less Steel less Steel less Steel less Steel less Steel
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524 (S,V) 525 (S,V) 664 (V) OLLINI CESD10 CESD10 CESD10 CESD10 CESD10 CESD10 CESD10 CESD10 CESD10 CESD10 CESD11 CESD11 CESG11 CESG11 CESG11 CESG11 CESG11 CESG12 CESG31 CESG31 CESG31 CESG31 CESG31 CESG31 CESC10 CESC10 CESC10 CESC10 CERC10 CERC10 CERC10 CERC20 CERC20 CERC20 CERC20 CERC20 CERC20 CERC20 CERC20 CERC20 CERC20 CERC20	Smooth Smooth Smooth Smooth GSTEEL DOO G GSTEEL DOO GSTE Heavy Duty Servic Heavy Duty Servic Heavy Duty Servic Heavy Duty Fire & G GST GST GST GST GST GST GST GST GST G	Flush Minor+Deep Ribs Minor+Deep Ribs Raised Panel DRS e Door e Door e Door ated Service Door Smoke Rated Service Door ated Service Door Smoke Rated Service Door ated Service Door Ming Grille rdion) Grille "" or Solid Grille Door Door with Integral Frame ed Counter Door	20 24 25 24	2" 2" 2" 2" 2" 2" 2" 2" 2" 2" 2" 2" 2" 2	Polystyrene or Non-insulated Polystyrene or Non-insulated Polystyrene or Non-insulated Polystyrene or Non-insulated Polystyrene or Non-insulated Polystyrene or Non-insulated Carter of Non-insulated Polystyrene or Non-insulated Carter of Non-insulated Polystyrene or Non-insulated Polystyrene o	24'2" 26'2" 20'0" Alumini Alumini Galv Galv Galv Stair Stair Stair Stair	24'0" 24'0" 18'0" 18'0" Slat Material um, Galvanized or Stain um, Galvanized or Stainles anized Steel or Stainles anized Steel or Stainles anized Steel or Galvanize nless Steel or Galvanize nless Steel or Galvanize Aluminum Aluminum Slat Material um, Galvanized or Stain alvanized or Stainless S alvanized or Stainless S Material Galvanized Steel Galvanized Steel Galvanized Steel	6.6** 6.6** 6.6** 6.3** less Steel less Steel s Steel s Steel d Steel d Steel d Steel d Steel less Steel less Steel less Steel itel

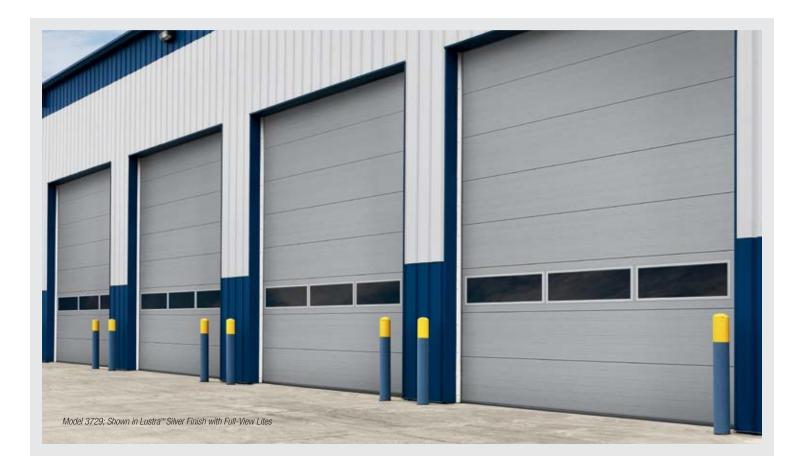
\*All widths may not be available in all heights. Consult the factory for more details. \*\*For insulated models (S, V) only.

<sup>1</sup>Clopay complies with the 2015 IECC (International Energy Conservation Code) with an air infiltration rating of .40 cfm/ft<sup>2</sup> 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.

## **COMMERCIAL SYSTEM SELECTION CHART**

STACKING SERIES – VERTISTACK <sup>™</sup> COMPACT VERTICAL STACKING SECTIONS												
ARCHITECTURAL SERIES (ALUMINUM FULL-VIEW DOORS)												
Model	Steel Emboss	Exterior Skin Pattern	Gauge	Section Thickness	Insulation	Max. Width*	Max. Height*	R-value				
VS904	-	Aluminum/Glass	_	2-1/8"	-	24'2"	20'0"	-				
EXTRE	EXTREME <sup>™</sup> SERIES – HIGH PERFORMANCE SECTIONAL DOOR SYSTEM											
ARCHIT	ARCHITECTURAL SERIES (ALUMINUM FULL-VIEW DOORS)											
Model	Steel Emboss	Exterior Skin Pattern	Gauge	Section Thickness	Insulation	Max. Width*	Max. Height*	R-value				
EX904	-	Aluminum/Glass	-	2-1/8"	-	16'2"	14'0"	-				
EX904U	-	Aluminum/Glass	-	2-1/8"	Intellicore <sup>®</sup> Polyurethane	16'2"	14'0"	3.8				
ARCHIT	ECTURAL SE	<b>RIES</b> (STEEL FULL-VIE	W DOORS)									
Model	Steel Emboss	Exterior Skin Pattern	Gauge	Section Thickness	Insulation	Max. Width*	Max. Height*	R-value				
EX3158	Stucco	Flush	27	1-3/8"	Bonded Polystyrene	16'2"	14'0"	6.5 <sup>±</sup>				
EX3159	Stucco	Minor Ribbed	27	1-3/8"	Bonded Polystyrene	16'2"	14'0"	6.5 <sup>‡</sup>				
EX3208	Stucco	Flush	24	2"	Bonded Polystyrene	16'2"	14'0"	9.1 <sup>‡</sup>				
EX3209	Stucco	Minor Ribbed	24	2"	Bonded Polystyrene	16'2"	14'0"	9.1 <sup>‡</sup>				
EX3708	Stucco	Flush	27	1-3/8"	Intellicore <sup>®</sup> Polyurethane	16'2"	14'0"	12.9 <sup>±</sup>				
EX3709	Stucco	Minor Ribbed	27	1-3/8"	Intellicore <sup>®</sup> Polyurethane	16'2"	14'0"	12.9 <sup>‡</sup>				
EX3728	Stucco/Smooth	Flush	27	2"	Intellicore <sup>®</sup> Polyurethane	16'2"	14'0"	18.4 <sup>±</sup>				
EX3729	Stucco/Smooth	Minor Ribbed	27	2"	Intellicore <sup>®</sup> Polyurethane	16'2"	14'0"	18.4 <sup>±</sup>				
ENERGY	SERIES WIT	H INTELLICORE										
Model	Steel Emboss	Exterior Skin Pattern	Gauge	Section Thickness	Insulation	Max. Width*	Max. Height*	R-value				
EX3715	Stucco	Minor Ribbed	27	1-3/8"	Intellicore <sup>®</sup> Polyurethane	16'2"	14'0"	12.9				
EX3717	Stucco	Minor Ribbed	27	1-3/4"	Intellicore <sup>®</sup> Polyurethane	16'2"	14'0"	16.2				
EX3718	Stucco	Flush	27	1-3/4"	Intellicore <sup>®</sup> Polyurethane	16'2"	14'0"	16.2				
EX3720	Stucco	Minor Ribbed	27	2"	Intellicore <sup>®</sup> Polyurethane	16'2"	14'0"	18.4				
EX3721	Woodgrain	Flush	27	2"	Intellicore <sup>®</sup> Polyurethane	16'2"	14'0"	18.4				
EX3722	Stucco	Flush	20	2"	Intellicore <sup>®</sup> Polyurethane	16'2"	14'0"	18.4				
EX3723	Woodgrain	Raised Panel	27	2"	Intellicore <sup>®</sup> Polyurethane	16'2"	14'0"	18.4				
EX3724	Stucco	Minor Ribbed	24	2"	Intellicore <sup>®</sup> Polyurethane	16'2"	14'0"	18.4				
ENERGY	SERIES											
Model	Steel Emboss	Exterior Skin Pattern	Gauge	Section Thickness	Insulation	Max. Width*	Max. Height*	R-value				
EX3150	Stucco	Minor Ribbed	27	1-3/8"	Bonded Polystyrene	16'2"	14'0"	6.5				
EX3200	Stucco	Minor Ribbed	24	2"	Bonded Polystyrene	16'2"	14'0"	9.1				
EX3211	Woodgrain	Flush	24	2"	Bonded Polystyrene	16'2"	14'0"	9.1				
EX3213	Woodgrain	Raised Panel	24	2"	Bonded Polystyrene	16'2"	14'0"	9.1				
EX3220	Stucco	Flush	20	2"	Bonded Polystyrene	16'2"	14'0"	9.1				





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