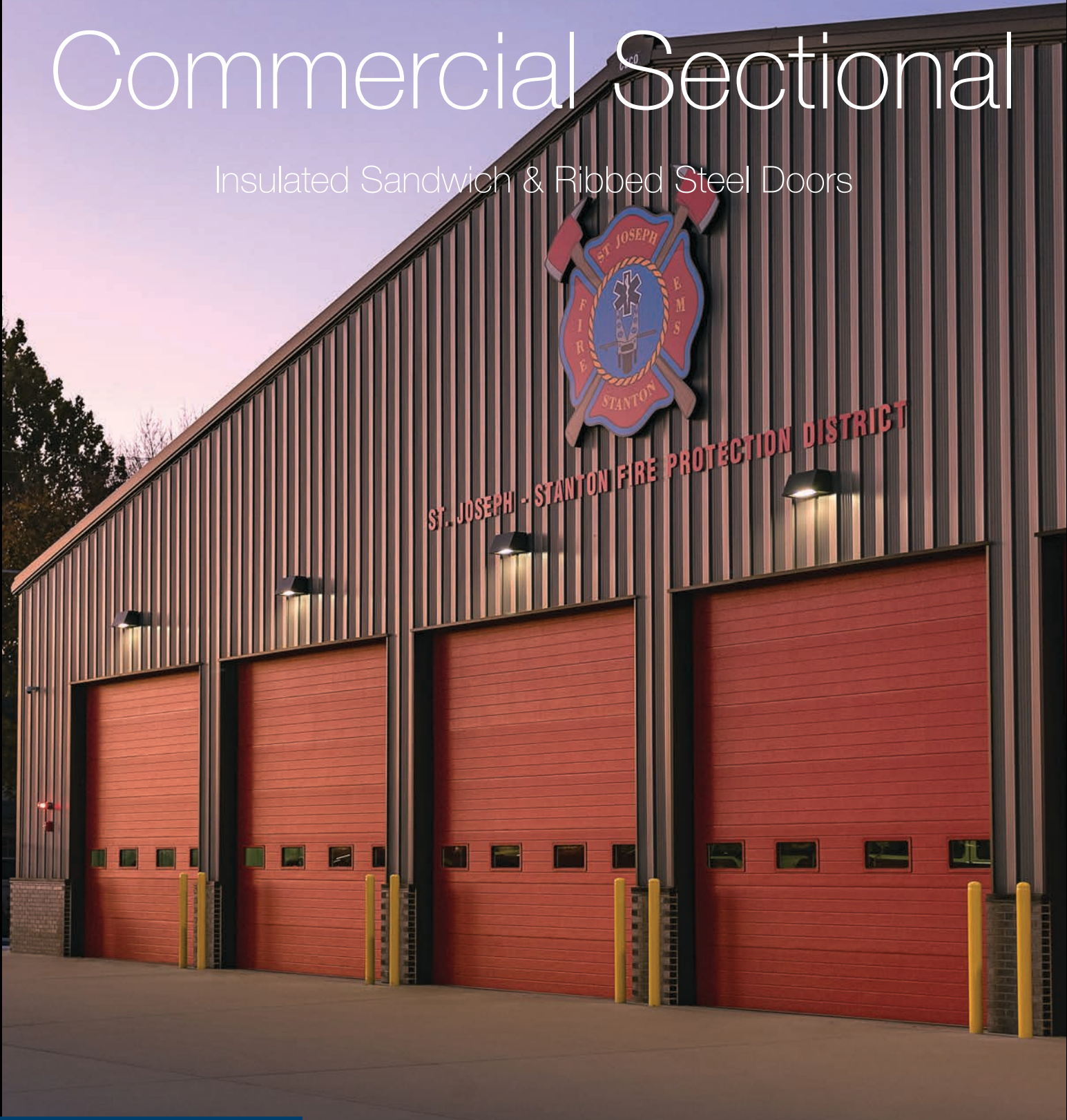


# Commercial Sectional

Insulated Sandwich & Ribbed Steel Doors



The Quality Garage Door™



# Commercial Sectional Doors

COMMERCIAL SECTIONAL DOORS

EXPLORE THE OFFERING



## Tough, Reliable, and Appealing

Commercial Garage Doors need to be tough enough to withstand daily operations in even the most demanding environments and add a striking appearance to your building's façade.

Whether you need a commercial sectional door to add that finishing touch for your project's exterior or you need doors to fulfill a critical function in your building, C.H.I. offers a wide selection of insulated and non-insulated commercial upward acting doors along with the right commercial operator to fit your exact specifications.



# Insulated Sandwich Doors



## DURABLE, THERMALLY-EFFICIENT DOORS

Regardless of your specific application, C.H.I. offers a premium insulated door product guaranteed to deliver years of dependable operation. Our sandwich models are constructed in a variety of gauges and are available in both polyurethane and polystyrene insulation options for those applications that demand the best in thermal efficiency and value. And, if you're looking to enhance your buildings aesthetics, our sandwich doors are available powdercoated in over 188 different colors!



WANT TO SEE MORE?  
Visit: [chihd.com/commercial-doors/insulated-sandwich](http://chihd.com/commercial-doors/insulated-sandwich)

### INSULATED SANDWICH MODEL SELECTION CHART

	Construction/ Thickness	Model	Exterior Panel Profile	Steel Gauge Outside/Inside	R-Value <sup>1</sup> / U-Value	U-Factor <sup>2</sup>	Max. Size <sup>3</sup>	Exterior Colors <sup>5</sup>
Polyurethane Insulation	1-1/2" Thick	3206	Micro-grooved	28 ga/28 ga	13.68/.073	0.2	18'2"x16'	White
	2" Thick	3216	Micro-grooved	26 ga/27 ga	17.54/.057	.19	30'2"x20' / 32'2"x18' <sup>4</sup>	White, Almond, Sandstone, Brown, Black, Gray, PC
		3217	Flush	26 ga/27 ga			30'2"x20' / 32'2"x18' <sup>4</sup>	White, Almond, Sandstone, Brown, Black, Gray, PC
		3212	Micro-grooved	20 ga/27 ga			24'2" x 16'0"	White, PC
	3" Thick	3236	Micro-grooved	26 ga/27 ga	26.89/.037	.12	40'2" x 20'0"	White, Sandstone, Brown
Polystyrene Insulation	2" Thick	3285	Micro-grooved	26 ga/27 ga	10.29/.097	N/A	28'2" x 20'0"	White, Almond, Sandstone, Brown, Black, Gray, PC
		3286	Flush	26 ga/27 ga			28'2" x 20'0"	White, Almond, Sandstone, Brown, Black, Gray, PC
		3282	Micro-grooved	24 ga/27 ga			28'2" x 20'0"	White, PC
		3281	Flush	24 ga/27 ga			28'2" x 20'0"	White, PC

<sup>1</sup> R-Values have been calculated in accordance with ASTM C518 Standards

<sup>2</sup> U-Factor has been independently tested in accordance with ANSI/DASMA 105-2015 standards

<sup>3</sup> Powder coat available on doors up to 32'2" wide

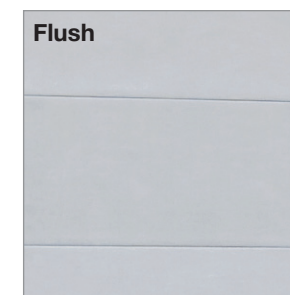
<sup>4</sup> Models 3216 and 3217 available in 40'2" x 18' in White, Almond & Sandstone only

<sup>5</sup> PC = doors available in 188 powder coated options

### EXTERIOR PANEL PROFILE



Features four evenly spaced micro-grooves running horizontally across each section.



Flush doors have a textured skin and offer a clean appearance.

### CONSTRUCTION



3" Thick/Polyurethane



2" Thick/Polyurethane

### SECTION CONSTRUCTION

- Sections include a thermal break eliminating thermal conduction
- Concealed steel back-up plates run from top to bottom of each section for secure hardware attachment
- Bottom "U" type astragal is a standard feature
- White painted end stiles are 4" to 8" wide to accommodate double or single-end hinges
- Polyurethane Insulation is HFC-free



1-1/2" Thick/Polyurethane



2" Thick/Polystyrene



# Ribbed Steel Doors

## RIBBED STEEL MODEL SELECTION CHART

	Construction/ Thickness	Model	Steel Gauge (Exterior)	R-Value/ U-Value	Max. Size <sup>2</sup>	Exterior Colors <sup>3</sup>
Pan/ No Insulation	2" Thick	3250	25 gauge	N/A	20'2" x 16'0"	White, PC
		3240	24 gauge		34'2" x 20'0"	White, Sandstone, Brown, Gray, PC
		3220	20 gauge		24'2" x 16'0"	White, PC
Pan- Insulated w/ Vinyl Back	2" Thick	3251	25 gauge	8.0/.13	20'2"x16'	White, PC
		3241	24 gauge		34'2"x18"*	White, Sandstone, Brown, Gray, PC
		3221	20 gauge		24'2"x16"	White, PC
Pan- Insulated w/ Steel Back	2" Thick	3252	25 gauge	8.0/.13	20'2" x 16'0"	White, PC
		3242	24 gauge		24'2" x 18'0"	White, Sandstone, Brown, Gray, PC
		3222	20 gauge		24'2" x 16'0"	White, PC

<sup>1</sup> R-Values have been calculated in accordance with ASTM C518 Standards  
<sup>2</sup> Powder coat available on doors up to 32'2" wide  
<sup>3</sup> PC = doors available in 188 powder coated options

## CONSTRUCTION



Pan - No Insulation  
 Pan Polystyrene Insulation with high impact vinyl back cover  
 Pan Polystyrene Insulation with 27gauge steel back cover

- CFC-free polystyrene insulation
  - Stiles include special clips to hold insulation retainer in position
- R-Values have been calculated in accordance with ASTM C518 standards

## EXTERIOR PANEL PROFILE



Two horizontal ribs with alternating 'v' grooves

## SECTION CONSTRUCTION

- Roll-formed sections are 2" thick, hot-dipped galvanized with a baked-on polyester finish
- Section joints are tongue-and-groove
- Bottom "U" type astragal is a standard feature
- Center Stiles are boxed-shaped and galvanized, full height of section
- Stiles are riveted to inside rails and face of door versus glued for strength

## RELIABLE PERFORMANCE

C.H.I. ribbed steel doors provide powerful performance and rugged reliability for a wide variety of commercial, warehouse, and industrial applications. Our pan-constructed overhead doors are available in both insulated and non-insulated versions as well as in a variety of gauges so you can specify the right door for the application you need.



## KEY COMPONENTS

### TRACK CONFIGURATIONS

- Tracks are 2" or 3", as specified or required
- 3" track 12 gauge, 2" track gauge determined by door height
- Available in bracket mount, clip angle mount or continuous angle mount
- 12" or 15" radius
- Lower tracks are adjustable to ensure weather-tight fit
- Horizontal tracks to be reinforced with angle (min 13 gauge) according to door size and weight.

### SEALS

#### Insulated Sandwich

- Double contact bottom seal
- Flexible gasket between sections
- Optional header and jamb seals

#### Ribbed Steel

- Double contact bottom floor seal full width of door.
- Optional header and jamb seals

### HARDWARE & SPRINGS

- Optional inside slide lock, outside center lock with automatic latch or double lock bar lock
- Graduated heavy duty hinges (min 14 gauge), top fixtures (min 12 gauge) and bottom fixtures (min 13 gauge) are made of galvanized steel. Rollers have 10 ball bearings with case-hardened steel tire on a solid shaft
- Trussing: galvanized trussing provided according to door size and design
- 2" or 3" short-stem or long-stem ball bearing rollers
- Heavy duty adjustable top roller brackets
- Oil-tempered torsion springs are mounted on a cross-header shaft supported by ball bearing end plates and center bracket(s)
- Springs are calculated for exact door weight, size and trajectory in accordance with current ANSI 102 standards for a minimum of 10,000 cycles
- High cycle springs available

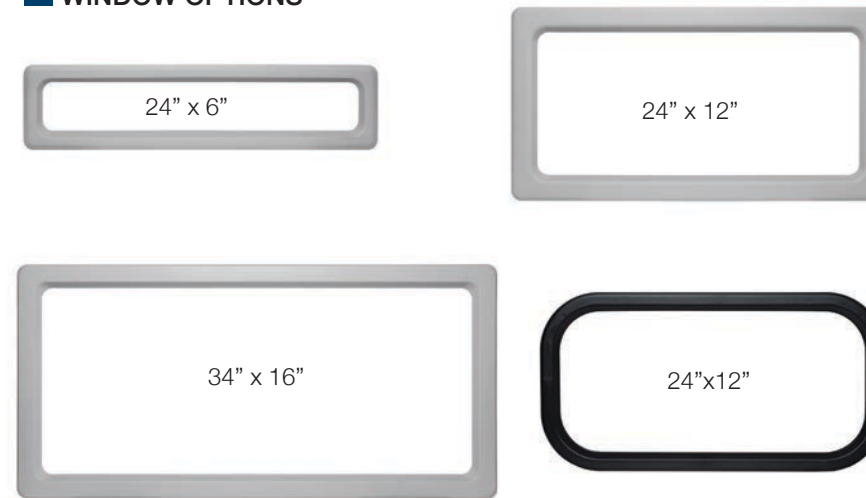


Do you have a challenging opening with complicated headroom requirements or are you unsure what door best fits your commercial application?

C.H.I. dealers and the C.H.I. commercial quoting team are available to offer expertise and support.

## OPTIONAL FEATURES

### WINDOW OPTIONS



Full-view Aluminum window sections are available for both 2" thick Insulated Sandwich and Ribbed Steel doors for maximum visibility and light.

### WINDOW SPECIFICATIONS

#### Insulated Sandwich

- 24"x6", 24"x12", 34"x16" frames with 1" insulated glass in matching colors to door exterior available for Insulated Sandwich models
- Optional aluminum frame to match sizes and panel layout of steel sections
- Optional field glazing, 1/8" DSB, 1/8" polycarbonate, 1/8" tempered, 1/4" tempered, 1/2" insulated glass or 1/2" tempered insulated glass as required

#### Ribbed Steel

- 24"x6" or 24"x12" with 1/8" DSB or polycarbonate for Ribbed Doors
- Optional aluminum frame to match sizes and panel layout of steel sections. Optional field glazing, 1/8" DSB, 1/8" polycarbonate, 1/8" tempered, 1/4" tempered

### COLOR OPTIONS\*



Hot dipped galvanized coating with a solid polyester primer and topcoat in a variety of colors adds visual interest and protection against the elements.

\*For exact color match, please contact your dealer for a color sample.



Our in-house powder coating provides 100's of color options while providing a maintenance free, durable finish. Refer to your local C.H.I. Dealer for more information.



#### Windload & Impact Doors

Wind chamber tested to ensure wind-load resistance, the C.H.I. Windbreaker Series and iSeries doors provide enhanced defense against the elements. To find out what models are windload compliant go to: [windloadfinder.chiohd.com](http://windloadfinder.chiohd.com)



#### Sound Transmission

C.H.I. Insulated Sandwich Doors have been tested and certified for an STC (sound transmission class) Rating of 21.



#### HFC-Free

Models 3206, 3212, 3216, and 3236 are insulated with high quality, environmentally friendly HFC-free polyurethane insulation.



#### IECC Compliant

Models 3206, 3212, 3216, and 3236 are compliant with the requirements set forth by the International Energy Conservation Code (IECC) for operable fenestrations.



#### Commercial Warranty

Part of owning a C.H.I. garage door is knowing that you can rely on the industry's best warranty. To maintain proper operation, an annual service inspection by a C.H.I. dealer is encouraged.

Details at [chiohd.com/support](http://chiohd.com/support)



## SPECIALTY APPLICATIONS



### IMAGES & LOGO DOORS

Make an impact in your space by customizing your insulated sandwich door with a logo or image. C.H.I. provides unique solutions to businesses and organizations every day.

With that in mind we've created Logos and have taken overhead doors to the next level with a brand new innovative process that integrates design and functionality

- Available on polyurethane Insulated Sandwich door models - (3216/3217/3212)
- Logos can be placed on the interior or exterior of the door
- Customizable for marketing and advertising needs - easy, hassle-free and affordable



### C.H.I. COMMERCIAL STEEL DOORS OFFER VERSATILITY & OPTIONS TO FIT MANY UNIQUE APPLICATIONS

From functional applications to adding aesthetic appeal, your C.H.I. dealer can help you specify the right door to exceed your expectations.

### PASS DOORS



A pass door is an entry door that is built into the garage door, allowing for entry and exit without having to open the garage door. Available in 2" sandwich.  
 Note: Doors are not ADA or egress compliant. Minimum of 15" of headroom is required.

### WICKET DOORS



A wicket door is an entry door permanently mounted next to a garage door in the same opening. The whole assembly can then swing open, allowing the entire width of the opening to be utilized. Available in any commercial model.  
 Note: Doors are not ADA or egress compliant. Minimum of 24" of headroom is required.

## SPECIALTY APPLICATIONS

### SWING-UP POST OPTION



The swing-up post option offers the ability to span a large opening as required. Each door can be operated independently when the full opening is not needed.

## CHOOSING THE RIGHT DOOR

C.H.I.'s full line up of commercial sectional doors includes insulated sandwich doors, ribbed panel doors and full-view aluminum doors. We also offer a complete line of rolling steel, fire doors and high-performance doors. With our complete commercial product line we have the right door to meet any specification.

### Insulated Sandwich Doors

- Conditioned Commercial Buildings
- Fire/Ambulance Stations
- Warehouse & Manufacturing Facilities
- Heated/Cooled Agricultural Buildings
- Truck Terminals

### Ribbed Steel

- Dock Doors
- Non-Insulated Commercial Spaces
- Outbuildings & Sheds
- Rental Storage Facilities

### Full-View Aluminum

- Restaurants & Pubs
- Indoor/Outdoor Spaces
- Storefronts
- Auto Dealerships & Service Centers
- Fire Stations



WANT TO SEE MORE?  
 Visit: [chiod.com/commercial](http://chiod.com/commercial)



# ARCHITECTURAL CONSULTANTS

Connect with one of our expert door consultants to assist you on your next project.

[chiohd.com/architects](http://chiohd.com/architects)



## DOORVISIONS

*Bring your vision to life.*

[doorvisions.chiohd.com](http://doorvisions.chiohd.com)

## A BETTER BUYING EXPERIENCE

All C.H.I. doors, replacement parts, and accessories are sold only through our network of C.H.I. dealers: dedicated professionals who install and service our doors with the same quality and workmanship we use to manufacture them.



[chiohd.com](http://chiohd.com)

1485 Sunrise Drive | Arthur, IL 61911 | USA

Your Local Garage Door Professional

All information presented is based on the specifications and features available at the time of printing and is subject to change without notice.