

2022

# SECTIONAL DOORS

COMMERCIAL PRODUCT GUIDE

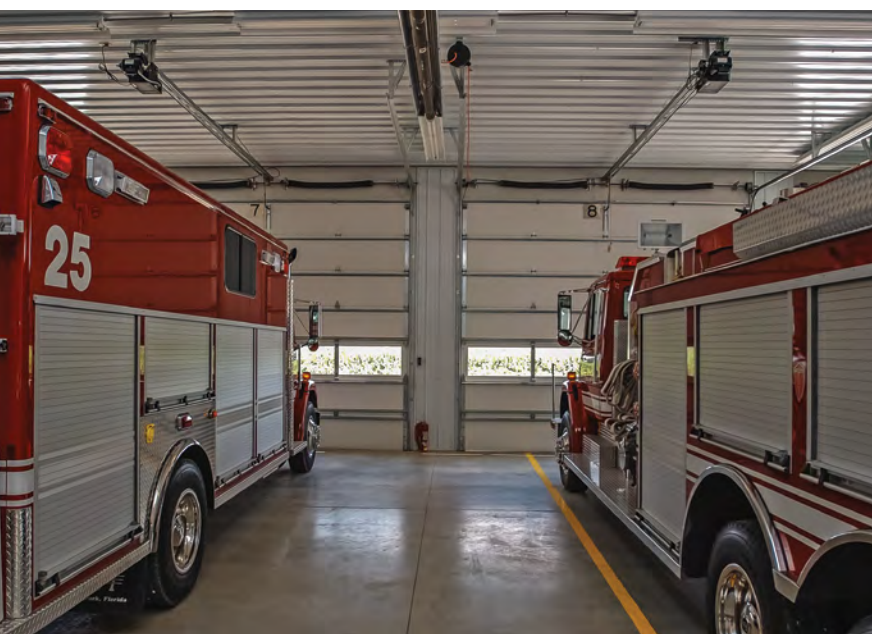


**C.H.I.**®  
OVERHEAD DOORS

The Quality Garage Door.™



# 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.



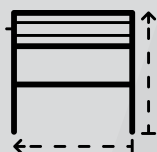
# Insulated Sandwich Doors



3216 shown brown with optional clear anodized full-view aluminum window sections.

## ***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 powder coated in over 188 different colors!



### **BEST MARKET USES**

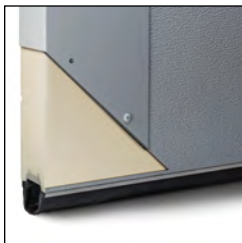
- Conditioned Commercial Buildings • Fire/Ambulance Stations
- Warehouse & Manufacturing Facilities • Heated/Cooled Agricultural Buildings
- Truck Terminals

## MODEL SELECTION CHART

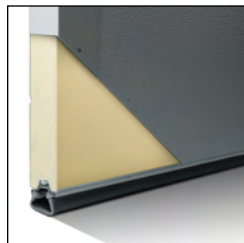
	Section Thickness	Model	Exterior Panel Profile	Steel Gauge	R-Value <sup>2</sup> / U-Value	U-Factor <sup>3</sup>	Max. Size <sup>4</sup>	Colors <sup>1</sup>
Polyurethane Insulation	1-1/2"	<b>3206</b>	Micro-grooved	Exterior: 28 Gauge Interior: 28 Gauge	13.68 / .073	0.2	24'2"x16'	White
	2"	<b>3216</b>	Micro-grooved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

<sup>1</sup> Refer to your local Dealer for exact color or finish match. <sup>2</sup> R-Values have been calculated in accordance with ASTM C518 standards. <sup>3</sup> U-Factor has been independently tested in accordance with ANSI/ DASHMA 105-2015 standards. <sup>4</sup> PC = Polyurethane powder coat is limited to 20'2". Polystyrene is limited to 28'2" based on that is the maximum length of models.

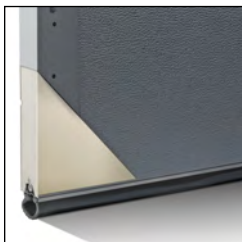
### SECTION INSULATION PROFILES



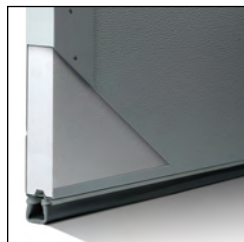
3" Thick, Polyurethane



2" Thick, Polyurethane



1-1/2" Thick, Polyurethane



2" Thick, Polystyrene

### EXTERIOR PANEL PROFILES



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



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

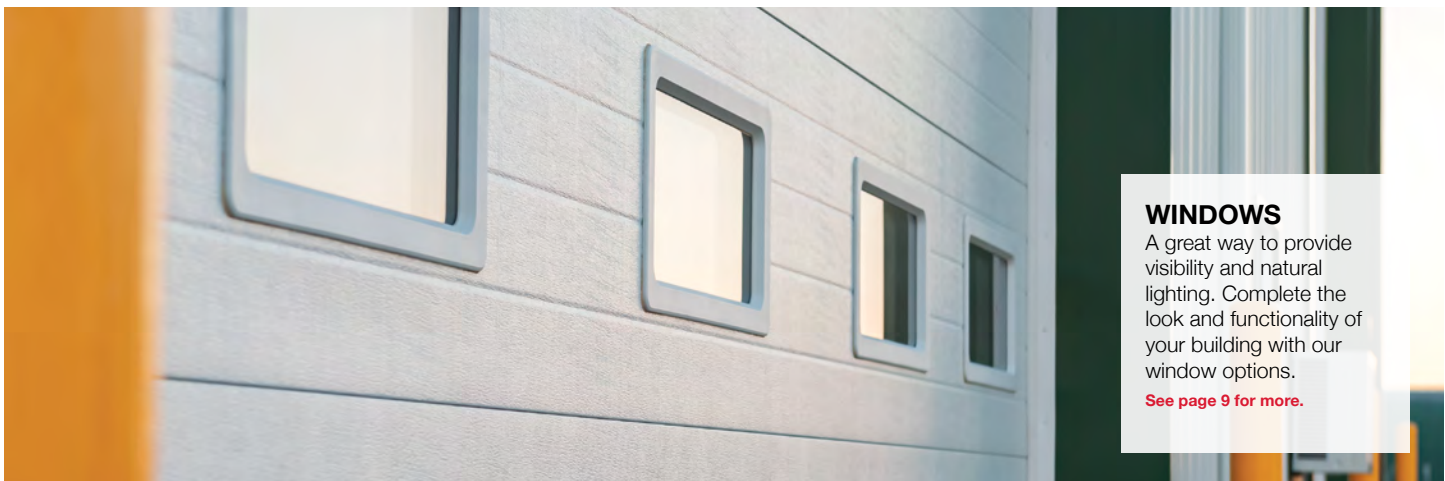
### SECTION CONSTRUCTION

- 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.



**WANT TO SEE MORE?**

Visit: [chiohd.com/commercial-doors/insulated-sandwich](http://chiohd.com/commercial-doors/insulated-sandwich)



### WINDOWS

A great way to provide visibility and natural lighting. Complete the look and functionality of your building with our window options.

**See page 9 for more.**

**3216** shown in white with optional 24"x16" windows.



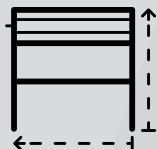
# 1-Sided Steel Doors



3241 shown white with optional 24 x 12 windows and plain glass.

## ***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.



### **BEST MARKET USES**

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

## MODEL SELECTION CHART

	Section Thickness	Model	Exterior Panel Profile	Steel Gauge	Interior Back Cover	R-Value <sup>2</sup> / U-Value	Max. Size <sup>3</sup>	Colors <sup>1</sup>
Non-Insulated	2"	<b>3250</b>	Ribbed	25 Gauge	N/A	N/A	20'2"x16'0"	White, PC <sup>4</sup>
		<b>3240</b>		24 Gauge			34'2"x20'0"	White, Sandstone, Brown, Gray, PC <sup>4</sup>
		<b>3220</b>		20 Gauge			24'2"x16'0"	White, PC <sup>4</sup>
Polystyrene Insulation	2"	<b>3251</b>	Ribbed	25 Gauge	High Impact Vinyl	8.0 / .13	20'2"x16'0"	White, PC <sup>4</sup>
		<b>3241</b>		24 Gauge			34'2"x18'0"	White, Sandstone, Brown, Gray, PC <sup>4</sup>
		<b>3221</b>		20 Gauge			24'2"x16'0"	White, PC <sup>4</sup>
Polystyrene Insulation	2"	<b>3252</b>	Ribbed	25 Gauge	27 Gauge Steel	8.0 / .13	20'2"x16'0"	White, PC <sup>4</sup>
		<b>3242</b>		24 Gauge			24'2"x18'0"	White, Sandstone, Brown, Gray, PC <sup>4</sup>
		<b>3222</b>		20 Gauge			24'2"x16'0"	White, PC <sup>4</sup>

<sup>1</sup> Refer to your local Dealer for exact color or finish match. <sup>2</sup> R-Values have been calculated in accordance with ASTM C518 standards. <sup>3</sup> U-Factor has been independently tested in accordance with ANSI/DASMA 105-2015 standards. <sup>4</sup> PC = doors available in 188 powder coated options on doors up to 32'2" wide.

### SECTION INSULATION PROFILES



2" Thick,  
Non-Insulated



2" Thick,  
Polystyrene,  
high impact vinyl  
back cover



2" Thick,  
Polyurethane,  
27 gauge steel  
back cover

### EXTERIOR PANEL PROFILES



**Ribbed.** Features two horizontal ribs with alternating "V" grooves.

### SECTION CONSTRUCTION

- Sections are 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.
- Stiles include special clips to hold insulation retainer in position.
- Polystyrene Insulation is CFC-free.



**WANT TO SEE MORE?**  
Visit: [chiohd.com/commercial-doors/ribbed-steel](http://chiohd.com/commercial-doors/ribbed-steel)



**3221** shown in sandstone with an optional clear anodized full-view aluminum window section.

### WINDOWS

A great way to provide visibility and natural lighting. Complete the look and functionality of your building with our window options.

**See page 9 for more.**





Custom three [3] angle high-lift.

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

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

## 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.



#### Wind Load & 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 wind load compliant go to:

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



# OPTIONAL FEATURES

## COLORS<sup>1</sup>

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

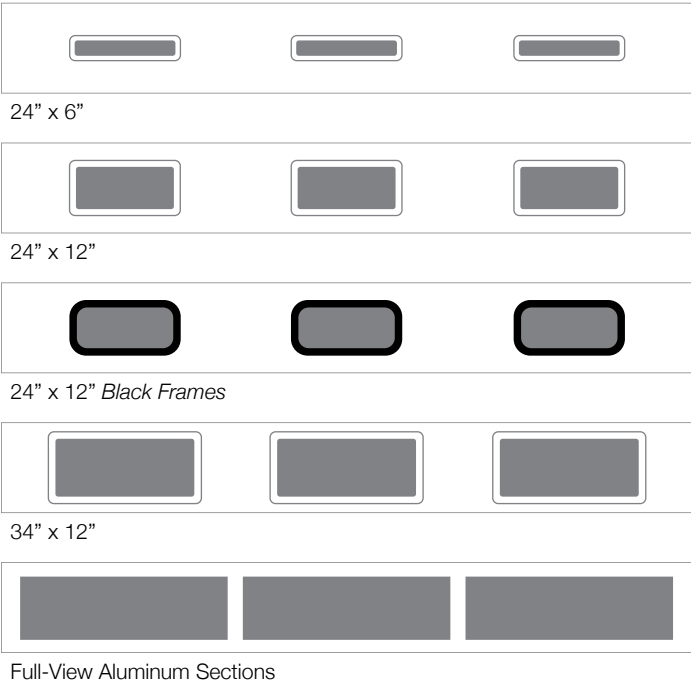


## POWDER COATING<sup>1</sup> [PC]

Choose 188 color options with our in-house powder coating.



## WINDOWS



### Insulated Sandwich

- 24"x6", 24"x12", or 34"x16" frames in matching colors to door exterior available with 1" insulated glass.
- Full-View Aluminum window sections 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.

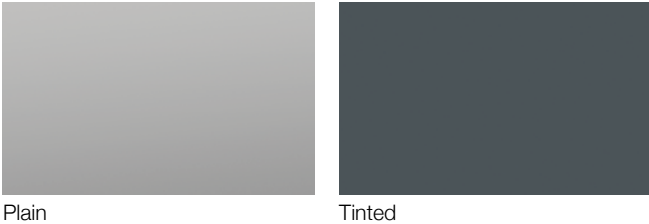
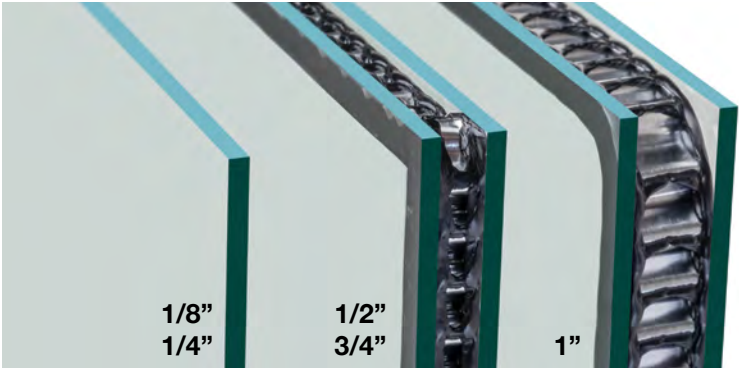
### Ribbed Steel

- 24"x6" or 24"x12" frames in matching colors to door exterior available with 1/8" DSB or polycarbonate and 3/4" insulated glass.
- Full-View Aluminum window sections 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.



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

## GLASS



## SPECIALTY APPLICATIONS

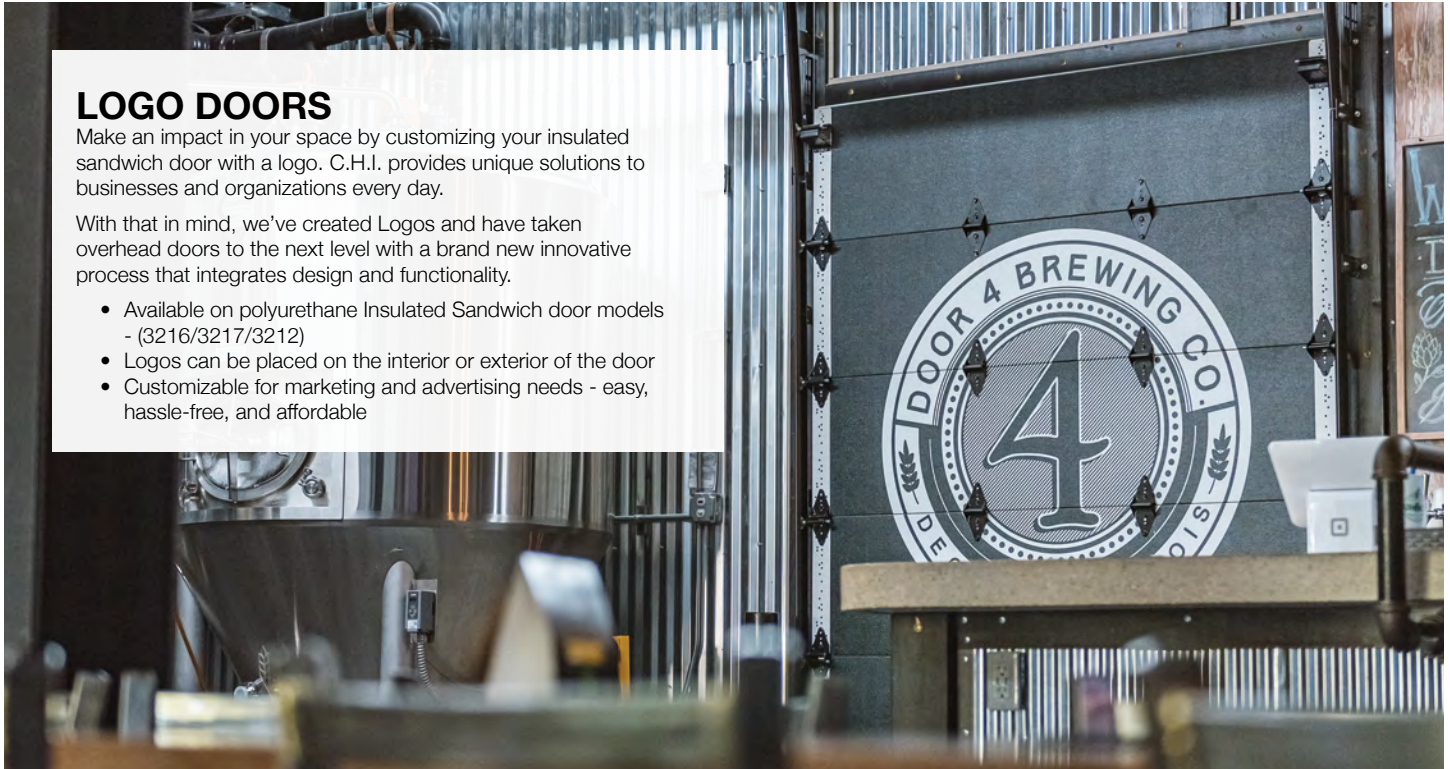
**C.H.I. Commercial Sectional Doors offer versatility and options to fit many unique applications.** From functional applications to adding aesthetic appeal, your C.H.I. dealer can help you specify the right door to exceed your expectations.

### LOGO DOORS

Make an impact in your space by customizing your insulated sandwich door with a logo. 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



### 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. 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.*





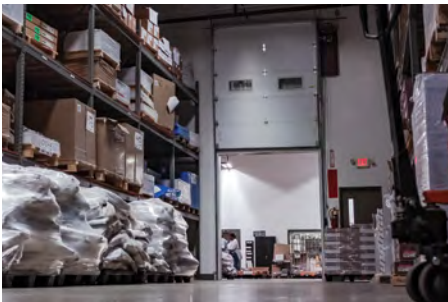


## SWING-UP POST

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

Visit [chiohd.com/commercial-doors/full-view](http://chiohd.com/commercial-doors/full-view)



COMMERCIAL  
WARRANTY

## COMMERCIAL WARRANTY

SECTIONS  
10 Years

SPRINGS  
1 Year

HARDWARE  
1 Year

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)





Residential | Commercial | Rolling Doors | High-Performance  
[chiohd.com/architects](http://chiohd.com/architects)



**DOORVISIONS**

*Bring your vision to life.*

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

# ARCHITECT DESIGN RESOURCES

BE INSPIRED

## CONNECT WITH A CONSULTANT

Sometimes you need expert advice on new or challenging design ideas. That's why C.H.I. Overhead Doors has an architectural design support team dedicated to assisting you in every state of the design process: from determining the appropriate closure option to choosing the best door for your design.

[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.

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