

2024

SECTIONAL DOORS

COMMERCIAL PRODUCT GUIDE



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.

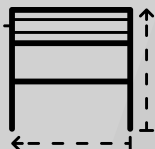
Insulated Sandwich Doors



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 powdercoated 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

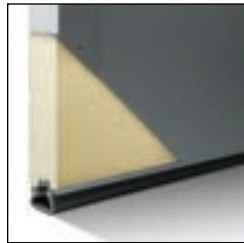
	Section Thickness	Model	Exterior Panel Profile	Steel Gauge	R-Value ²	U-Factor ³	Max. Size ⁴	Colors ¹
Polyurethane Insulation	1-1/2"	3206	Micro-grooved	Exterior: 28 Gauge Interior: 28 Gauge	13.68	0.2	24'2"x16'	White
	2"	3216	Micro-grooved	Exterior: 26 Gauge Interior: 27 Gauge	17.54	.19	30'2"x20' / 40'2"x18'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

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

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.
- CFC, HFC, HCFC and PFA free and non-VOC polyurethane insulation. Foam to have zero Ozone Depletion Potential (ODP) and zero Global Warming Potential (GWP).
- Polystyrene insulation is CFC-free.



WANT TO SEE MORE?

Visit: 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.

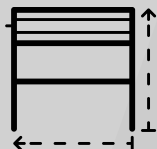
1-Sided Steel Doors



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

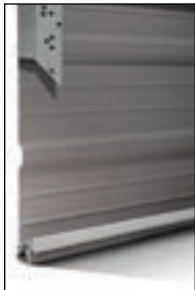
- Dock Doors
- Non-Insulated Commercial Spaces
- Outbuildings & Sheds
- Rental Storage Facilities

MODEL SELECTION CHART

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

¹ Refer to your local Dealer for exact color or finish match. ² R-Values have been calculated in accordance with ASTM C518 standards. ³ Consult Factory for Larger Sizes. Doors up to 40'2" wide possible depending on model. ⁴ PC = doors available in 188 powder coated options on doors up to 20'2" wide.

SECTION INSULATION PROFILES



2" Thick,
Non-Insulated



2" Thick,
Polystyrene,
high impact vinyl
back cover



2" Thick,
Polystyrene,
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



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.

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



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



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

COLORS¹

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



POWER COATING¹ [PC]

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



WINDOWS



24" x 6"



24" x 12"



24" x 12" Black Frames



34" x 16"



Full-View Aluminum Sections

Insulated Sandwich

- 24"x6", 24"x12", or 34"x16" frames in matching colors to door exterior available with 1" insulated glass.
- 24"x12" black frames only available with 1/2" insulated polycarbonate.
- 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. Consult factory for additional glazing options.

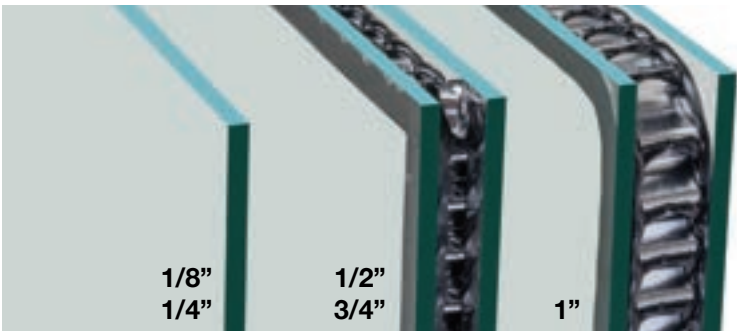
Ribbed Steel

- 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. Consult factory for additional glazing options.



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

GLASS/GLAZING



Plain



Tinted

SPECIALTY APPLICATIONS

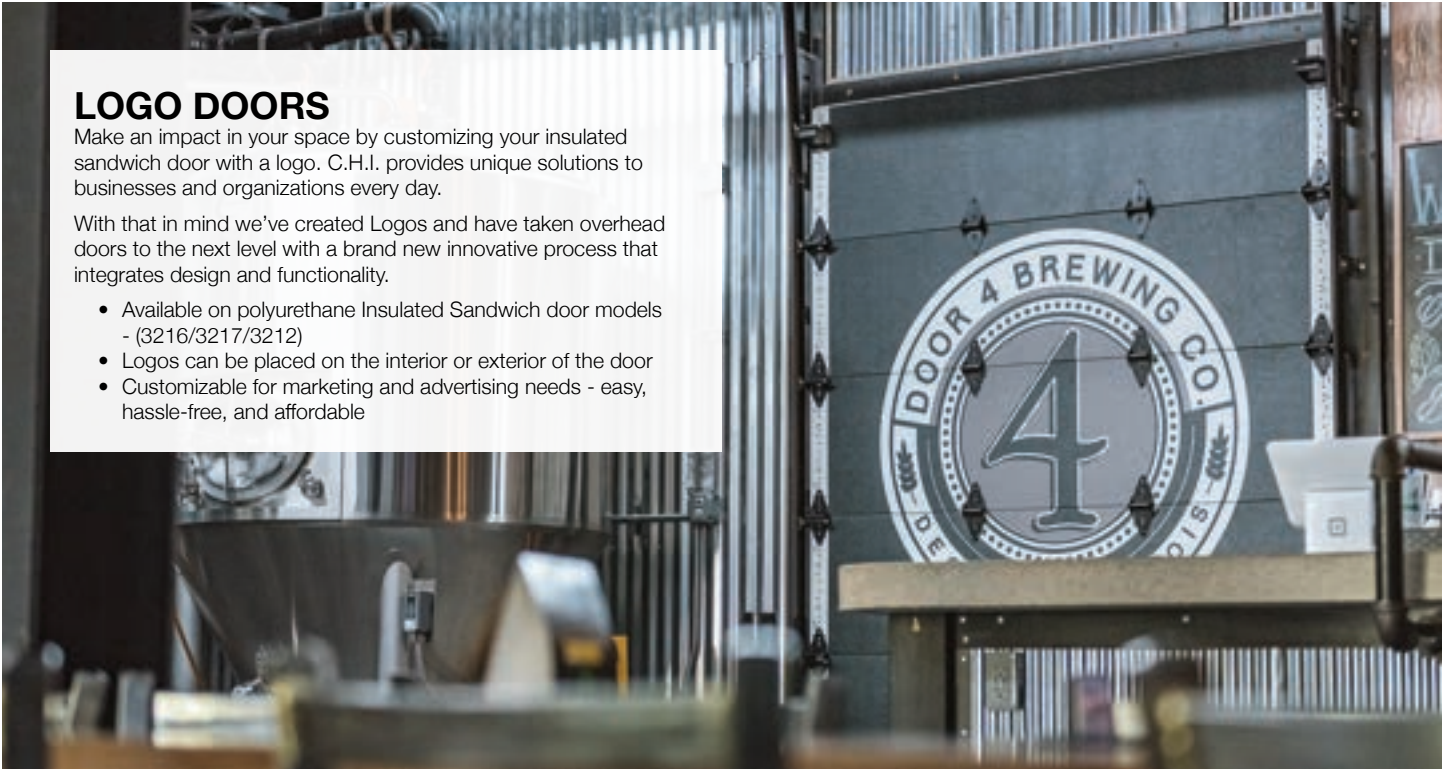
C.H.I. Commercial Sectional Doors offer versatility and options to fit many unique applications. From functional applications to adding aesthetic appeal, your C.H.I. dealer can help you specify the right door to exceed your expectations.

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.





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



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



Residential | Commercial | Rolling Doors | High-Performance
chiohd.com/architects



DOORVISIONS

Bring your vision to life.

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 | 1485 Sunrise Drive | Arthur, IL 61911 | USA

Your Local Garage Door Professional

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