



Commercial Product Line

Quality People. Quality Products.



We value our customers and manufacture our garage doors with the highest quality workmanship and raw materials.

Our method is simple. We hire quality people driven to produce quality products. We don't just say it - we do it. Together, we find innovative ways to solve problems and continuously improve while working smarter and safer. Our people take pride in their work and strive to provide the highest quality of product and service day in and day out. That's the Haas Door Difference.

As you read forward, allow us to open a door to endless possibilities for you!

haasdoor.com



All U-Factors shown are based on testing solid doors. Adding lites will affect the tested U-Factor.

More info on page 36-37.



Create your garage door, view it on your building and receive a quote at **haascreate.com**.

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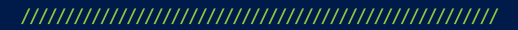
9622 in sandstone

COMMERCIAL 9000 SERIES

2⁵/₈" or 2" Thick



9200 - 2" base door & 5/8" overlay
9600 - 1 3/8" base door & 5/8" overlay



Timeless Beauty.

We've taken the elegance of the original handcrafted wooden carriage house doors and the detail of the wrought iron hardware to produce a classic style made with modern technology and materials. Backed by a Lifetime Limited Warranty, American Tradition™ 9000 series doors are the ideal choice to add the classic look of a genuine carriage house door.

INSULATED




9240 in gray




9640 in brown


Door Design Options




or




Most designs are available with **plain or arch top sections.**




or



Most designs are available **inverted.**




or



Available in **flush or v-groove base panels.**




or




Available in **single or double** door designs.


All models shown are available with multiple style options: 9200 & 9600 models, flush or v-groove base panel option, and single or double door designs. Most models are available with plain or arch top sections. Some designs can be inverted to match other features on the home. See the best option directly on your home by using our online visualizer at haascreate.com.




9200/9600 Plain
9210/9610 Arch



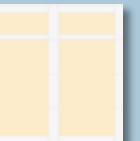
9201/9601 Plain
9211/9611 Arch




9202/9602 Plain
9212/9612 Arch




9209/9609 Plain




9220/9620 Plain
9230/9630 Arch




9221/9621 Plain
9231/9631 Arch




9222/9622 Plain
9232/9632 Arch




9223/9623 Plain
9233/9633 Arch




9224/9624 Plain




9225/9625 Plain




9226/9626 Plain




9240/9640 Plain
9250/9650 Arch




9241/9641 Plain
9251/9651 Arch




9242/9642 Plain
9252/9652 Arch




9243/9643 Plain
9253/9653 Arch




9244/9644 Plain
9254/9654 Arch




9260/9660 Plain
9270/9670 Arch




9261/9661 Plain
9271/9671 Arch




9262/9662 Plain
9272/9672 Arch




9280/9680 Plain
9290/9690 Arch



9281/9681 Plain
9291/9691 Arch



9282/9682 Plain
9292/9692 Arch



9289/9689 Plain
9299/9699 Arch

Solid Base & Overlay Colors

All color combinations are available to mix and match base and overlay colors.



Polar White



Almond



Sahara Tan



Sandstone



Trinar® Beige*



Bronze



Trinar® Brown*



Espresso**



Brown**



Gray



Charcoal



Carbon Black**

*Trinar® colors on steel sections carry a 35-year finish warranty. Trinar® overlay colors are color matched to the steel sections but do not contain the Trinar® additive, therefore fall under standard 5 year overlay warranty.

**These colors include a cool chemistry paint finish on the base door and are not recommended for projects with extreme exposures to heat and sunlight.

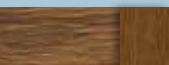
Due to the printing process, colors may vary. For an accurate color match, contact your Haas Door dealer.

Wood Grain Base & Overlay Colors


Wood grain overlays are handcrafted and can vary slightly in color like real wood.




Mahogany




Ash



English Oak




American Walnut



Graywood

Window Designs


Windows available in top 2 sections




Glazed 3-Pane



Glazed Arch 3-Pane*



Glazed 4-Pane



Glazed Arch 4-Pane*



Glazed 6-Pane



Glazed Arch 6-Pane*



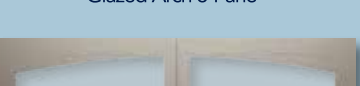
Glazed 8-Pane



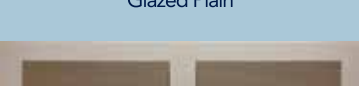
Glazed Arch 8-Pane*




Glazed Plain



Glazed Arch



Solid



Solid Arch

* Glazed Arch multi-pane window options are not available in the following sizes:
9'-8" through 10'-7"
14'-0" through 15'-7"
18'-4" through 20'-2"

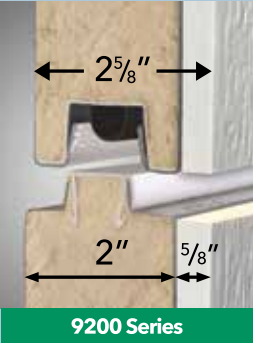
Double Doors available in single or double arch

9000 Series Available Options

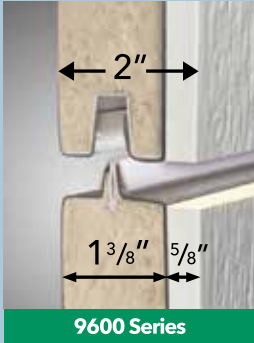
- 2" or 3" Track
Exhaust Port(s)
Cam Safety Device
Spring Bumpers
Chain Hoist
Operators
High Cycle Springs
Glazing (lites)
High Cycle Rollers
Keyed Lock
Wind Load & Impact



For detailed information about the construction of this series, see pages 34-35.



9200 Series



9600 Series

A **Full Thermal Break** is used in the tongue-and-groove construction of all 9000 series doors. This rigid vinyl extrusion seals the joints and eliminates metal-to-metal contact, which limits the transfer of temperature.

9200 series doors include **Air Infiltration Seals**, which exceed the ASHRAE 90.1 Standard when installed with standard bottom seal and commonly available rigid/flexible vinyl door stop.

9000 QUICK GUIDE

	Model	Door Thickness	Tested U-Factor	Max. Door Size		Section Skins	
				Width	Height	Inside	Outside
✓	9200 models	2 ³ / ₈ " (66.7mm)	0.081	20'-2"	16'-0"	26 GA V-Groove Woodgrain Steel	26 GA Flush Woodgrain Steel
✓	9600 models	2" (50.8mm)	0.096	18'-2"	16'-0"	26 GA V-Groove Woodgrain Steel	26 GA Flush Woodgrain Steel



CA-320 in oregon douglas

COMMERCIAL ALUMINUM SERIES

1 3/4" Thick

CA-320 / CA-315 / CA-110



Clean Lines.

Haas CA-320, CA-315 and CA-110 Aluminum Sectional Doors are strong, durable, and elegant. A versatile product combining aluminum rails and stiles provides a strong-profiled frame structure with aluminum panels and a wide range of glazing choices. This is the ideal application for service stations, quick lube facilities, automobile dealerships, restaurants and other business where strength, appearance and corrosion resistance are key factors.



CA-320 in black anodized

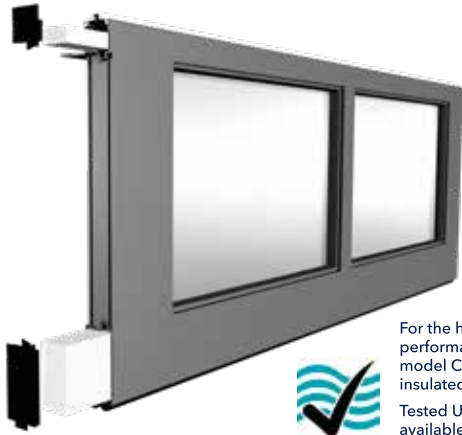


CA-110 in black anodized

Commercial Aluminum / 1 3/4" thick



Insulated Option



For the highest thermal performance, select model CA-320ix with insulated rails and stiles. Tested U-Factor available upon request.

Commerical Aluminum QUICK GUIDE

Model	Glazing Thickness	Max. Door Size		Max Area	Top Rail	Center Stile	Meeting Rail	Bottom Rail	Color Options	Section Joint	Panel & Glazing Types
		Width	Height								
CA-110	1/8"	16'-2"	14'-0"	226 Sq Ft	3" Standard; Upgradeable to 4" or 6"	1"	2"	3" Standard up to 13' 2" wide; then 4" Standard; Upgradeable to 4" or 6"	Clear Anodized, Black Anodized, Dark Bronze Anodized & Polar White	Shiplap with Bulb Seal	Polystyrene & Aluminum Laminated Panels
CA-110i *	1/4" & 1/2"	12'-2"	10'-0"	102 Sq Ft				3" Standard Upgradeable to 4" or 6"			Various Types & Thicknesses of Glazing
CA-315	1/8"	16'-2"	16'-0"	258 Sq Ft	4" Standard; Upgradeable to 6"	1"	4"	4" Standard Upgradeable to 6"	Anodized & Painted Colors (no Wood Grains)	Tongue & Groove with Bulb Seal meets IECC air infiltration reqmts	Polystyrene & Aluminum Laminated Panels
CA-315i *	1/4" & 1/2"									Various Types & Thicknesses of Glazing	
CA-320	1/8"	28'-2"	20'-0"	500 Sq Ft	4" Standard up to 16'2" wide; then 6" Standard; Upgradeable to 6"	2"	4"	4" Standard up to 16' 2" wide; then 6" Standard; Upgradeable to 6"	All Colors	Tongue & Groove with Bulb Seal meets IECC air infiltration reqmts	Polystyrene & Aluminum Laminated Panels
CA-320i *	1/4" & 1/2"	20'-2"	16'-0"								Various Types & Thicknesses of Glazing
CA-320ix **											
CA-320i Impact*	1/4"	16'-2"	16'-0"	258 Sq Ft	6" Standard						

* - The i on the series name indicates it is a heavier glass/glazing option - 1/4" or 1/2".
** - The x on the series name indicates rails and stiles are insulated with polystyrene.

- OPTIONS
- CA Available Options

2" or 3" Track

Exhaust Port(s)

Cam Safety Device

Spring Bumpers

High Cycle Springs

Insulated Rails and Stiles (320ix only)

Pass Door (320 & 320i only)

High Cycle Rollers

Chain Hoist

Operators

Top Header Seal

Car Wash Cutout

Pass Door (exterior view)



(Only available on CA-320/CA-320i in all colors options, except wood grains. Door trim color is only available in clear anodized. Convenience only, not a legal exit, or ADA compliant.)

Optional Exhaust Port (interior view)



CA-110 Narrow Line Frame

The CA-110 and CA-110i sections are assembled using .045" minimum aluminum alloy tubular type extrusions with thru-bolt construction. Sections are 1-3/4" thick. Any Section height is available. Shi lap section joints with bulb seal. Bottom rails are 3" on doors up to 13'-2" wide. Doors greater than 13'-2" wide have 4" bottom rails. Top and bottom rails are upgradeable to 4" or 6".

CA-110i at 8'3" wide and wider and CA-110 at 12'3" and wider, have built-in struts on each section. Dependent on the width size, E struts or cap struts may be included. All aluminum is clear anodized as standard. Panels for solid sections are .040" stucco embossed or .050" smooth aluminum. A wide variety of glazing materials are available.



CA-315 Larger Glass with Heavy Duty Outer Frame

The CA-315 & CA-315i sections are assembled using .045" minimum aluminum alloy tubular type extrusions with thru-bolt construction. Sections are 1-3/4" thick. Any section height is available. Tongue & Groove section joints with bulb seal meets IECC Air Infiltration requirements. Bottom rails, top rails, and end stiles are 4". Top and bottom rails are upgradeable to 6".

CA-315i at 8'3" and CA-315 at 12'3" and wider, have built-in struts on each section. Dependent on the width size, E struts or cap struts may be included. All aluminum is clear anodized as standard. Panels for solid sections are .040" stucco embossed or .050" smooth aluminum. A wide variety of glazing materials are available.



CA-320 Heavy Duty Frame

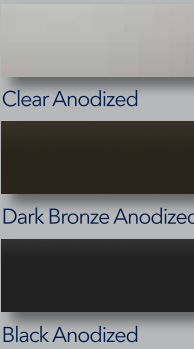
CA-320, CA-320i and CA-320ix sections are assembled using .045" minimum aluminum alloy tubular type extrusions with thru-bolt construction. Sections are 1-3/4" thick. Any section height is available. Tongue & Groove section joints with bulb seal meets IECC Air Infiltration requirements. Bottom rails, top rails, and end stiles are 4" up to 16'2" wide, then change to 6". Top and bottom rails are upgradeable to 6".

CA-320i at 8'3" and wider, and the CA-320 at 12'3" and wider, have built-in struts on each section. Dependent on the width, E struts, cap struts, and support braces may be included. All aluminum is clear anodized as standard. Panels for solid sections are .040" stucco embossed or .050" smooth aluminum. A wide variety of glazing materials are available. Optional insulated rails and stiles add thermal performance.



COLOR OPTIONS

Standard Anodized Colors



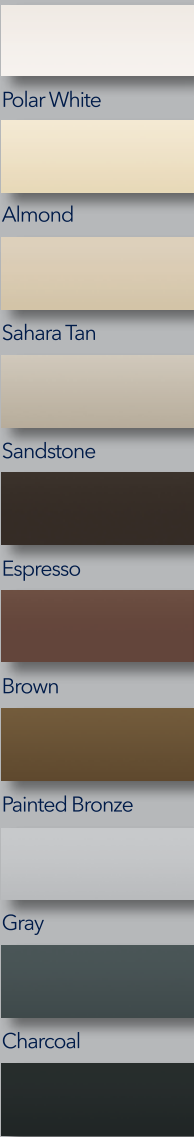
Clear Anodized
Dark Bronze Anodized
Black Anodized

Powder Coated Wood Grain Colors

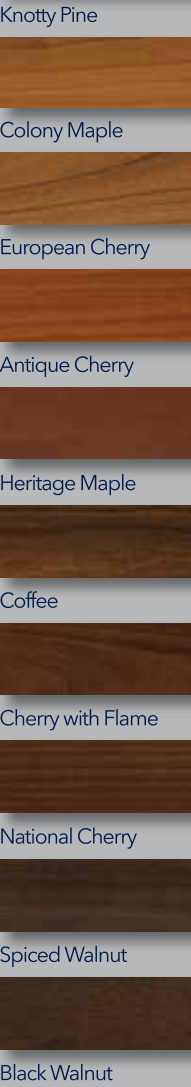


Oregon Douglas
National Oak
American Douglas

Solid Painted Colors



Polar White
Almond
Sahara Tan
Sandstone
Espresso
Brown
Painted Bronze
Gray
Charcoal
Painted Black



Knotty Pine
Colony Maple
European Cherry
Antique Cherry
Heritage Maple
Coffee
Cherry with Flame
National Cherry
Spiced Walnut
Black Walnut

Custom-matched color and powder coating are also available. Matching solid panels also available for all colors. Not all colors are available for all models, see Quick Guide on page 8. Due to the printing process, colors may vary. For an accurate color match, contact your Haas Door dealer.

Commercial Aluminum / 1 3/4" thick



5816 in polar white with large TL lites



5214 in polar white with full view lites



5780 in polar white

COMMERCIAL 5000 SERIES

3", 2" or 1³/₄" Thick



5814 / 5816 / 5870 / 5880
5210 / 5212 / 5214 / 5216 / 5267 / 5268 /
5270 / 5278 / 5280 / 5287
5710 / 5712 / 5714 / 5716 / 5767 / 5768 /
5770 / 5778 / 5780 / 5787

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Natural Advantages for Unique Performance.

Haas Door Commercial Insulated Aluminum 5000 Series uses the natural advantages of aluminum and takes it to the next level. The Commercial 5000 Series has insulated garage doors with 24 gauge, corrosion-resistant aluminum that stands up in harsh weather conditions. In addition, the Commercial 5000 Series is available with wind load and impact options for severe weather prone areas such as high-velocity hurricane zones.

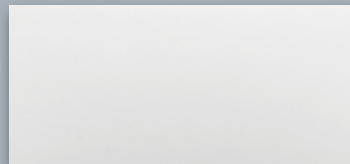


5816 in polar white



5216 in polar white

DOOR PANELS



Flush Stucco Panel

Polar White

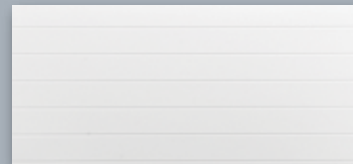
Model 5814 Window Options: p 44

Model 5210 Window Options: p 42-44

Model 5214 Window Options: p 44

Model 5710 Window Options: p 42-44

Model 5714 Window Options: p 44



V-Groove Stucco Panel

Polar White

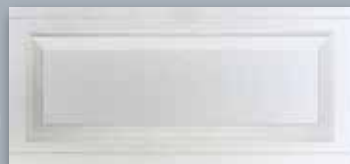
Model 5816 Window Options: p 44

Model 5212 Window Options: p 42 & 44

Model 5216 Window Options: p 44

Model 5712 Window Options: p 42 & 44

Model 5716 Window Options: p 44



Raised Ranch Stucco Panel

Polar White

Model 5870 No window options available.

Model 5270 Window Options: p 44

Model 5770 Window Options: p 44

Model 5267 Window Options: p 43

Model 5767 Window Options: p 43

Model 5287 Window Options: p 42

Model 5787 Window Options: p 42



Raised Standard Stucco Panel

Polar White

Model 5880 No window options available.

Model 5280 Window Options: p 42

Model 5780 Window Options: p 42

Model 5268 Window Options: p 43

Model 5768 Window Options: p 43

Model 5278 Window Options: p 44

Model 5778 Window Options: p 44

	Model	Door Thickness	Tested U-Factor	Max. Door Size		End Style Type	Section Skins	
				Width	Height		Inside	Outside
✓	5814	3" (76.2mm)	0.089	21'-2"	28'-0"	16 GA Steel	24 GA V-Groove Stucco Aluminum	24 GA Flush Stucco Aluminum
✓	5816	3" (76.2mm)	0.089	21'-2"	28'-0"	16 GA Steel	24 GA V-Groove Stucco Aluminum	24 GA V-Groove Stucco Aluminum
✓	5870	3" (76.2mm)	0.089	21'-2"	28'-0"	16 GA Steel	24 GA V-Groove Stucco Aluminum	24 GA Ranch Panel Stucco Aluminum
✓	5880	3" (76.2mm)	0.089	21'-2"	28'-0"	16 GA Steel	24 GA V-Groove Stucco Aluminum	24 GA Standard Panel Stucco Aluminum
✓	5210	2" (50.8mm)	0.110	18'-2"	16'-0"	Extruded End Cap	24 GA V-Groove Stucco Aluminum	24 GA Flush Stucco Aluminum
✓	5212	2" (50.8mm)	0.110	18'-2"	16'-0"	Extruded End Cap	24 GA V-Groove Stucco Aluminum	24 GA V-Groove Stucco Aluminum
✓	5214	2" (50.8mm)	0.110	21'-2"	28'-0"	16 GA Steel	24 GA V-Groove Stucco Aluminum	24 GA Flush Stucco Aluminum
✓	5216	2" (50.8mm)	0.110	21'-2"	28'-0"	16 GA Steel	24 GA V-Groove Stucco Aluminum	24 GA V-Groove Stucco Aluminum
✓	5267, 5270, 5287	2" (50.8mm)	0.110	21'-2"	28'-0"	Extruded End Cap	24 GA V-Groove Stucco Aluminum	24 GA Ranch Panel Stucco Aluminum
✓	5268, 5278, 5280	2" (50.8mm)	0.110	21'-2"	28'-0"	Extruded End Cap	24 GA V-Groove Stucco Aluminum	24 GA Standard Panel Stucco Aluminum
✓	5710	1-3/4" (44.5mm)	0.097	18'-2"	16'-0"	Extruded End Cap	24 GA V-Groove Stucco Aluminum	24 GA Flush Stucco Aluminum
✓	5712	1-3/4" (44.5mm)	0.097	18'-2"	16'-0"	Extruded End Cap	24 GA V-Groove Stucco Aluminum	24 GA V-Groove Stucco Aluminum
✓	5714	1-3/4" (44.5mm)	0.097	21'-2"	28'-0"	16 GA Steel	24 GA V-Groove Stucco Aluminum	24 GA Flush Stucco Aluminum
✓	5716	1-3/4" (44.5mm)	0.097	21'-2"	28'-0"	16 GA Steel	24 GA V-Groove Stucco Aluminum	24 GA V-Groove Stucco Aluminum
✓	5767, 5770, 5787	1-3/4" (44.5mm)	0.097	21'-2"	28'-0"	Extruded End Cap	24 GA V-Groove Stucco Aluminum	24 GA Ranch Panel Stucco Aluminum
✓	5768, 5778, 5780	1-3/4" (44.5mm)	0.097	21'-2"	28'-0"	Extruded End Cap	24 GA V-Groove Stucco Aluminum	24 GA Standard Panel Stucco Aluminum

OPTIONS

5000 Series Available Options

2" or 3" Track

Double Steel End Stiles

Exhaust Port

Cam Safety Device

Spring Bumpers

Chain Hoist

Operators

Top Header Seal

Keyed Lock (5200 & 5700)

Aluminum Full View Section (5200 & 5700)

High Cycle Springs

High Cycle Rollers

Wind Load & Impact

ASTM E 84 Fire Rated (only Miami Dade)

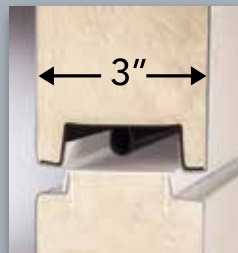


Wind Load

Optional Exhaust Port (interior view)



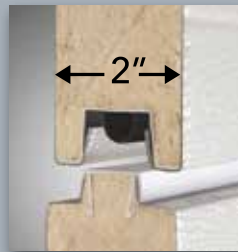
5800 Series



A **Full Thermal Break** is used in the tongue-and-groove construction of all 5800 series doors. This rigid vinyl extrusion seals the joints and eliminates metal-to-metal contact, which limits the transfer of temperature.

5800 series doors include **Air Infiltration Seals**, which exceed the ASHRAE 90.1 Standard when installed with standard bottom seal and commonly available rigid/flexible vinyl door stop.

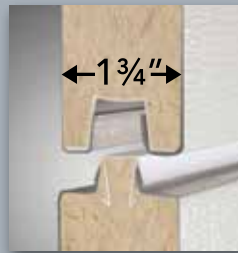
5200 Series



A **Full Thermal Break** is used in the tongue-and-groove construction of all 5200 series doors. This rigid vinyl extrusion seals the joints and eliminates metal-to-metal contact, which limits the transfer of temperature.

5200 series doors include **Air Infiltration Seals**, which exceed the ASHRAE 90.1 Standard when installed with standard bottom seal and commonly available rigid/flexible vinyl door stop.

5700 Series



A **Full Thermal Break** is used in the tongue-and-groove construction of all 5700 series doors. This rigid vinyl extrusion seals the joints and eliminates metal-to-metal contact, which limits the transfer of temperature.

For detailed information about the construction of this series, see pages 34-35.



816 in carbon black with large TL lites

COMMERCIAL 800 SERIES

3" Thick



814 / 816 / 832 / 833 / 832-20 /
833-20 / 870 / 880 / 890

////////////////////////////////////

The Architects' Choice For the Most Demanding Specifications

The outstanding features and benefits of the Haas 800 Series have made it the door of choice among commercial and industrial architects. The 800 series commercial insulated steel doors feature a full 3" pressure-injected core of high-density environmentally compliant polyurethane foam insulation with a tested U-Factor of 0.089 – the best in the commercial door industry. The 800 series is exceptionally strong and is reinforced with roll-formed galvanized steel struts and double-end hinges as required to meet or exceed local wind load specifications. It is the ideal door for locations that require both maximum energy efficiency and durable strength.



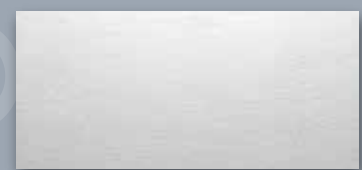
816 in bronze with large TL lites



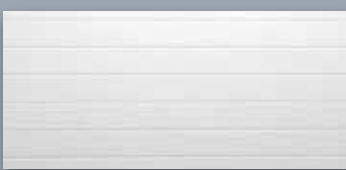
816 in polar white with large TL lites



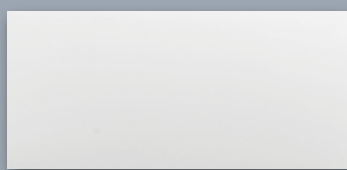
DOOR PANELS



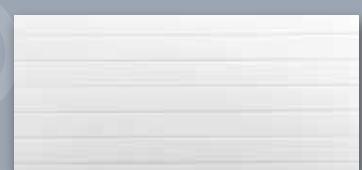
Flush Woodgrain Panel
All colors except Graywood and Bi-Directional Wood Grain colors
Model 814 Window Options: p 44



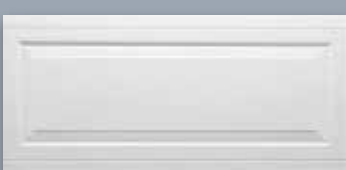
V-Groove Woodgrain Panel
All colors except Graywood and Bi-Directional Wood Grain colors
Model 816 Window Options: p 44



Flush Smooth Panel
Polar White and Brown
Model 832 Window Options: p 44
Model 832-20 Window Options: p 44



V-Groove Smooth Panel
Polar White and Brown
Model 833 Window Options: p 44
Model 833-20 Window Options: p 44



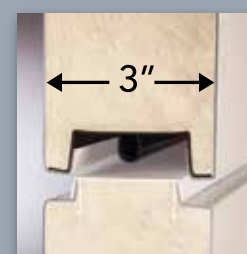
Raised Ranch Woodgrain Panel
All Colors except Graywood and Bi-Directional Wood Grain colors
Model 870
No window options available.



Raised Standard Woodgrain Panel
All Colors except Graywood and Bi-Directional Wood Grain colors
Model 880
No window options available.



Raised Sculptured Woodgrain Panel
All Colors except Graywood and Bi-Directional Wood Grain colors
Model 890
No window options available.



A **Full Thermal Break** is used in the tongue-and-groove construction of all 800 series doors. This rigid vinyl extrusion seals the joints and eliminates metal-to-metal contact, which limits the transfer of temperature.

800 series doors include **Air Infiltration Seals**, which exceed the ASHRAE 90.1 Standard when installed with standard bottom seal and commonly available rigid/flexible vinyl door stop.

800 QUICK GUIDE

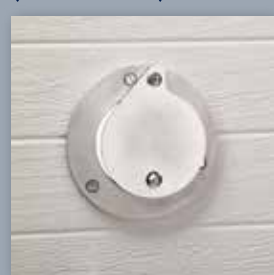
	Model	Door Thickness	Tested U-Factor*	Max. Door Size		End Style Type	Section Skins	
				Width	Height		Inside	Outside
✓	814	3" (76.2mm)	0.089	38'-2"	32'-0"	16 GA Steel	26 GA V-Groove Woodgrain Steel	26 GA Flush Woodgrain Steel
✓	816	3" (76.2mm)	0.089	38'-2"	32'-0"	16 GA Steel	26 GA V-Groove Woodgrain Steel	26 GA V-Groove Woodgrain Steel
✓	832	3" (76.2mm)	.0.089	24'-2"	32'-0"	16 GA Steel	26 GA V-Groove Woodgrain Steel	20 GA Flush Smooth Steel
✓	833	3" (76.2mm)	.0.089	38'-2"	32'-0"	16 GA Steel	26 GA V-Groove Woodgrain Steel	20 GA V-Groove Smooth Steel
✓	832-20	3" (76.2mm)	0.089	24'-2"	32'-0"	16 GA Steel	20 GA V-Groove Smooth Steel	20 GA Flush Smooth Steel
✓	833-20	3" (76.2mm)	0.089	38'-2"	32'-0"	16 GA Steel	20 GA V-Groove Smooth Steel	20 GA V-Groove Smooth Steel
✓	870	3" (76.2mm)	0.089	24'-0"	32'-0"	16 GA Steel	26 GA V-Groove Woodgrain Steel	26 GA Ranch Panel Woodgrain Steel
✓	880	3" (76.2mm)	0.089	24'-0"	32'-0"	16 GA Steel	26 GA V-Groove Woodgrain Steel	26 GA Standard Panel Woodgrain Steel
✓	890	3" (76.2mm)	0.089	24'-0"	32'-0"	16 GA Steel	26 GA V-Groove Woodgrain Steel	26 GA Sculptured Panel Woodgrain Steel

OPTIONS

800 Series Available Options

- 2" or 3" Track
- Double Steel End Stiles
- Exhaust Port
- Cam Safety Device
- Spring Bumpers
- Chain Hoist
- Operators
- High Cycle Springs
- Glazing (lites)
- High Cycle Rollers
- Wind Load & Impact
- ASTM E 84 Fire Rated

Optional Exhaust Port (interior view)



For detailed information about the construction of this series, see pages 34-35.

800 Series / 3" thick / 0.089 Tested U-Factor



2016 in bronze with full view lites

COMMERCIAL 2000 SERIES

2" Thick



2010 / 2012 / 2014 / 2016 / 2032 /
2033 / 2032-20 / 2033-20 / 2060 /
2061 / 2063 / 2064 / 2067 / 2068 /
2069 / 2070 / 2071 / 2072 / 2073 /
2074 / 2078 / 2079 / 2080 / 2081 /
2082 / 2087 / 2090

////////////////////

The Strength To Keep Out Noise and Weather

Haas 2000 Series commercial insulated steel doors are manufactured with the elements in mind. They will enhance the beauty of your building while insulating and dampening outside noise at the same time. Choosing low U-Factor sectional doors will help increase energy efficiency and savings. Polyurethane insulation provides the lowest U-Factor available in sectional steel doors.

2000 series doors are reinforced with roll-formed galvanized steel struts and double-end hinges, as required to meet wind load specifications and to comply with ANSI/DASMA 102-2004. The protective coating system is found on both the interior and exterior steel.



2080 in white with standard plain lites



2016 in brown with pass door



2032 in polar white with large TL lites

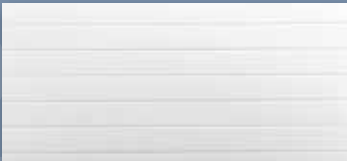
Model	Door Thickness	Tested U-Factor	Max. Door Size		End Stile Type	Section Skins	
			Width	Height		Inside	Outside
✓ 2010	2" (50.8mm)	0.094	18'-2"	16'-0"	Extruded End Cap	26 GA V-Groove Woodgrain Steel	26 GA Flush Woodgrain Steel
✓ 2012	2" (50.8mm)	0.094	18'-2"	16'-0"	Extruded End Cap	26 GA V-Groove Woodgrain Steel	26 GA V-Groove Woodgrain Steel
✓ 2014	2" (50.8mm)	0.094	38'-2"	32'-0"	16 GA Steel	26 GA V-Groove Woodgrain Steel	26 GA Flush Woodgrain Steel
✓ 2016	2" (50.8mm)	0.094	38'-2"	32'-0"	16 GA Steel	26 GA V-Groove Woodgrain Steel	26 GA V-Groove Woodgrain Steel
✓ 2032	2" (50.8mm)	0.094	24'-2"	32'-0"	16 GA Steel	26 GA V-Groove Woodgrain Steel	20 GA Flush Smooth Steel
✓ 2033	2" (50.8mm)	0.094	38'-2"	32'-0"	16 GA Steel	26 GA V-Groove Woodgrain Steel	20 GA V-Groove Smooth Steel
✓ 2032-20	2" (50.8mm)	0.094	24'-2"	32'-0"	16 GA Steel	20 GA V-Groove Smooth Steel	20 GA Flush Smooth Steel
✓ 2033-20	2" (50.8mm)	0.094	38'-2"	32'-0"	16 GA Steel	20 GA V-Groove Smooth Steel	20 GA V-Groove Smooth Steel
✓ 2060, 2072, 2082	2" (50.8mm)	0.094	24'-2"	32'-0"	Extruded End Cap	26 GA V-Groove Woodgrain Steel	26 GA Ribbed Short Panel Woodgrain Steel
✓ 2061, 2071, 2081	2" (50.8mm)	0.094	24'-2"	32'-0"	Extruded End Cap	26 GA V-Groove Woodgrain Steel	26 GA Recessed Short Panel Woodgrain Steel
✓ 2063, 2073	2" (50.8mm)	0.094	18'-2"	16'-0"	Extruded End Cap	26 GA V-Groove Woodgrain Steel	26 GA Recessed Long Panel Woodgrain Steel
✓ 2064, 2074	2" (50.8mm)	0.094	18'-2"	16'-0"	Extruded End Cap	26 GA V-Groove Woodgrain Steel	26 GA Ribbed Long Panel Woodgrain Steel
✓ 2067, 2070, 2087	2" (50.8mm)	0.094	24'-2"	32'-0"	Extruded End Cap	26 GA V-Groove Woodgrain Steel	26 GA Ranch Panel Woodgrain Steel
✓ 2068, 2078, 2080	2" (50.8mm)	0.094	24'-2"	32'-0"	Extruded End Cap	26 GA V-Groove Woodgrain Steel	26 GA Standard Panel Woodgrain Steel
✓ 2069, 2079, 2090	2" (50.8mm)	0.094	24'-2"	32'-0"	Extruded End Cap	26 GA V-Groove Woodgrain Steel	26 GA Sculptured Panel Woodgrain Steel

Note: Certain weights and/or applications may limit the size allowed

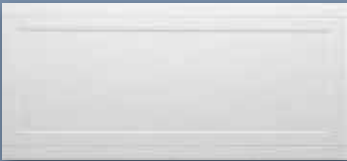
DOOR PANELS



Flush Woodgrain Panel
All colors except Bi-Directionals
Model 2010 Window Options: p 42-44
Model 2014 Window Options: p 44



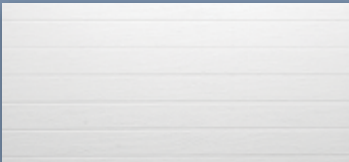
V-Groove Smooth Panel
Polar White and Brown
Model 2033 Window Options: p 44
Model 2033-20 Window Options: p 44



Recessed Long Woodgrain Panel
All colors except Bi-Directional
Wood Grain colors for 2073
Model 2063 Window Options: p 43
Model 2073 Window Options: p 44



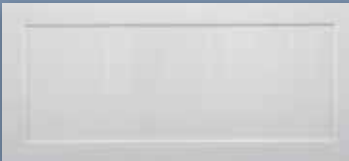
Raised Standard Woodgrain Panel
All colors except Bi-Directional
Wood Grain colors for 2080 and 2078
Model 2080 Window Options: p 42
Model 2068 Window Options: p 43
Model 2078 Window Options: p 44



V-Groove Woodgrain Panel
All colors except Bi-Directionals
Model 2012 Window Options: p 42 & 44
Model 2016 Window Options: p 44



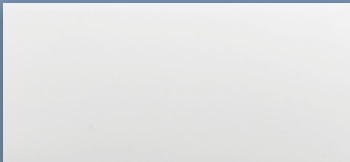
Ribbed Short Woodgrain Panel
All colors except Bi-Directional
Wood Grain colors for 2072 and 2082
Model 2060 Window Options: p 43
Model 2072 Window Options: p 44
Model 2082 Window Options: p 42



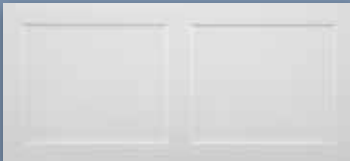
Ribbed Long Woodgrain Panel
All colors except Bi-Directional
Wood Grain colors for 2074
Model 2064 Window Options: p 43
Model 2074 Window Options: p 44



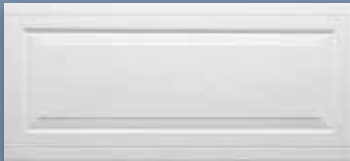
Raised Sculptured Woodgrain Panel
All colors except Bi-Directional
Wood Grain colors for 2090 and 2079
Model 2090 Window Options: p 42
Model 2069 Window Options: p 43
Model 2079 Window Options: p 44



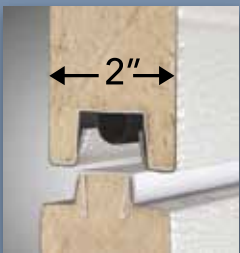
Flush Smooth Panel
Polar White and Brown
Model 2032 Window Options: p 44
Model 2032-20 Window Options: p 44



Recessed Short Woodgrain Panel
All colors except Bi-Directional
Wood Grain colors for 2071 and 2081
Model 2061 Window Options: p 43
Model 2071 Window Options: p 44
Model 2081 Window Options: p 42



Raised Ranch Woodgrain Panel
All colors except Bi-Directional
Wood Grain colors for 2070 and 2087
Model 2070 Window Options: p 44
Model 2067 Window Options: p 43
Model 2087 Window Options: p 42



A **Full Thermal Break** is used in the tongue-and-groove construction of all 2000 series doors. This rigid vinyl extrusion seals the joints and eliminates metal-to-metal contact, which limits the transfer of temperature.

2000 series doors include **Air Infiltration Seals**, which exceed the ASHRAE 90.1 Standard when installed with standard bottom seal and commonly available rigid/flexible vinyl door stop.



(Convenience only, not a legal exit, or ADA compliant. Door trim color is only available in clear anodized. Available in doors up to 16'2" wide, 16' high. Not available in all models.)

OPTIONS

2000 Series Available Options

2" or 3" Track
Double Steel End Stiles
Exhaust Port
Cam Safety Device
Spring Bumpers
Chain Hoist
Operators
High Cycle Springs

Glazing (lites)
High Cycle Rollers
Aluminum Full View Section
Pass Door
Keyed Lock
Wind Load Rating
ASTM E 84 Fire Rated

Optional Exhaust Port (interior view)



Pass Door (interior view)



For detailed information about the construction of this series, see pages 34-35.



716 in sandstone with full view sections

COMMERCIAL 700 SERIES

1³/₄" Thick



710 / 712 / 714 / 716 / 732 / 733 /
732-20 / 733-20 / 760 / 763 / 764 /
767 / 768 / 769 / 770 / 771 / 772 /
773 / 774 / 778 / 779 / 780 / 781 /
782 / 787 / 790

////////////////////////////////////

Built to Last

Haas 700 Series commercial insulated steel doors stand up to the elements, while dramatically decreasing exterior noise and enhancing the overall aesthetics of your building at the same time. The 1³/₄" thick 700 Series insulated steel doors help increase energy savings with polyurethane foam cores and are built to last.

700
INSULATED



716 in polar white with large TL lites



716 in charcoal with large TL lites

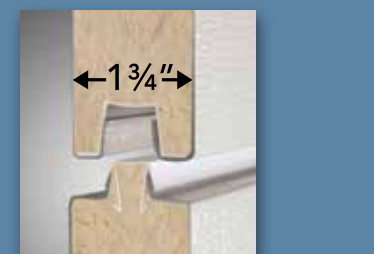
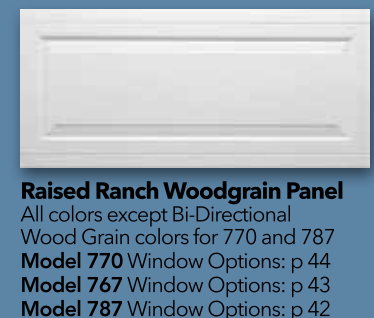
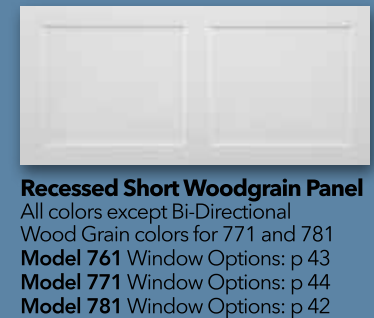
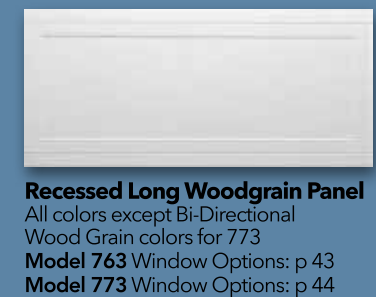
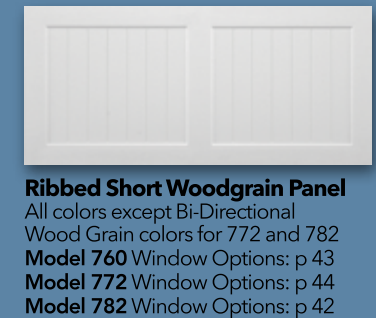
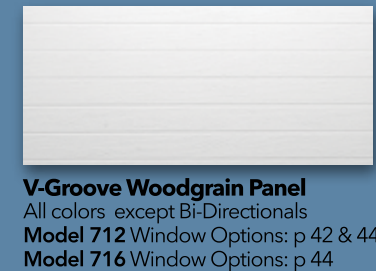
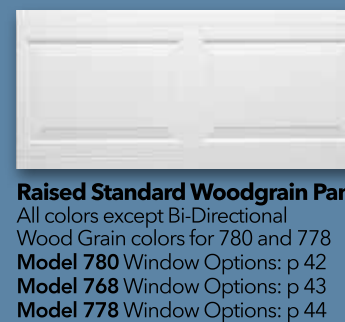
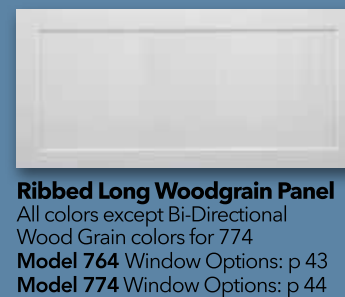
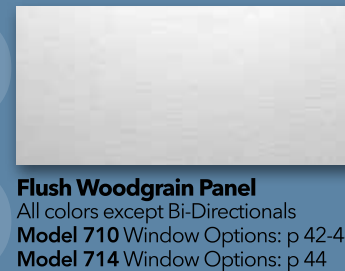


716 with pass door

Model	Door Thickness	Tested U-Factor	Max. Door Size		End Style Type	Section Skins	
			Width	Height		Inside	Outside
✓ 710	1-3/4" (44.5mm)	0.093	18'-2"	16'-0"	Extruded End Cap	26 GA V-Groove Woodgrain Steel	26 GA Flush Woodgrain Steel
✓ 712	1-3/4" (44.5mm)	0.093	18'-2"	16'-0"	Extruded End Cap	26 GA V-Groove Woodgrain Steel	26 GA V-Groove Woodgrain Steel
✓ 714	1-3/4" (44.5mm)	0.093	38'-2"	32'-0"	16 GA Steel	26 GA V-Groove Woodgrain Steel	26 GA Flush Woodgrain Steel
✓ 716	1-3/4" (44.5mm)	0.093	38'-2"	32'-0"	16 GA Steel	26 GA V-Groove Woodgrain Steel	26 GA V-Groove Woodgrain Steel
✓ 732	1-3/4" (44.5mm)	0.093	24'-2"	32'-0"	16 GA Steel	26 GA V-Groove Woodgrain Steel	20 GA Flush Smooth Steel
✓ 733	1-3/4" (44.5mm)	0.093	38'-2"	32'-0"	16 GA Steel	26 GA V-Groove Woodgrain Steel	20 GA V-Groove Smooth Steel
✓ 732-20	1-3/4" (44.5mm)	0.093	24'-2"	32'-0"	16 GA Steel	20 GA V-Groove Smooth Steel	20 GA Flush Smooth Steel
✓ 733-20	1-3/4" (44.5mm)	0.093	38'-2"	32'-0"	16 GA Steel	20 GA V-Groove Smooth Steel	20 GA V-Groove Smooth Steel
✓ 760, 772, 782	1-3/4" (44.5mm)	0.093	24'-2"	32'-0"	Extruded End Cap	26 GA V-Groove Woodgrain Steel	26 GA Ribbed Short Panel Woodgrain Steel
✓ 761, 771, 781	1-3/4" (44.5mm)	0.093	24'-2"	32'-0"	Extruded End Cap	26 GA V-Groove Woodgrain Steel	26 GA Recessed Short Panel Woodgrain Steel
✓ 763, 773	1-3/4" (44.5mm)	0.093	18'-2"	16'-0"	Extruded End Cap	26 GA V-Groove Woodgrain Steel	26 GA Recessed Long Panel Woodgrain Steel
✓ 764, 774	1-3/4" (44.5mm)	0.093	18'-2"	16'-0"	Extruded End Cap	26 GA V-Groove Woodgrain Steel	26 GA Ribbed Long Panel Woodgrain Steel
✓ 767, 770, 787	1-3/4" (44.5mm)	0.093	24'-2"	32'-0"	Extruded End Cap	26 GA V-Groove Woodgrain Steel	26 GA Ranch Panel Woodgrain Steel
✓ 768, 778, 780	1-3/4" (44.5mm)	0.093	24'-2"	32'-0"	Extruded End Cap	26 GA V-Groove Woodgrain Steel	26 GA Standard Panel Woodgrain Steel
✓ 769, 779, 790	1-3/4" (44.5mm)	0.093	24'-2"	32'-0"	Extruded End Cap	26 GA V-Groove Woodgrain Steel	26 GA Sculptured Panel Woodgrain Steel

Note: Certain weights and/or applications may limit the size allowed

DOOR PANELS



A **Full Thermal Break** is used in the tongue-and-groove construction of all 700 series doors. This rigid vinyl extrusion seals the joints and eliminates metal-to-metal contact, which limits the transfer of temperature.

OPTIONS

700 Series Available Options
2" or 3" Track
Double Steel End Stiles
Exhaust Port
Cam Safety Device
Spring Bumpers
Chain Hoist
Operators
High Cycle Springs
Glazing (lites)
High Cycle Rollers
Aluminum Full View Section
Pass Door
Top Header Seal
Keyed Lock
Wind Load Rating
ASTM E 84 Fire Rated

Optional Exhaust Port (interior view)



Pass Door (exterior view)



(Convenience only, not a legal exit, or ADA compliant. Door trim color is only available in clear anodized. Available in doors up to 16'2" wide, 16' high. Not available in all models.)

For detailed information about the construction of this series, see pages 34-35.



COMMERCIAL 600 SERIES

1 3/8" Thick



610 / 612 / 614 / 616 / 632 / 632-20 /
633 / 633-20 / 660 / 661 / 663 / 664 /
667 / 668 / 669 / 670 / 671 / 672 /
673 / 674 / 678 / 679 / 680 / 681 /
682 / 687 / 690

Strong, Efficient and Attractive

When your major considerations include energy efficiency, noise buffering and beauty, a Haas 600 Series commercial insulated steel door will far exceed your expectations. These environmentally compliant, polyurethane foam-injected steel doors offer exceptional benefits for commercial applications, including durable strength, unique paint system and hard working hardware to withstand the harshest of elements.

660 in polar white



616 in sandstone



614 in charcoal with large TL lites

INSULATED



612 in polar white with small TL lites

600 QUICK GUIDE

	Model	Door Thickness	Tested U-Factor	Max. Door Size		End Style Type	Section Skins	
				Width	Height		Inside	Outside
✓	610	1-3/8" (34.9mm)	0.106	18'-2"	16'-0"	Extruded End Cap	26 GA V-Groove Woodgrain Steel	26 GA Flush Woodgrain Steel
✓	612	1-3/8" (34.9mm)	0.106	18'-2"	16'-0"	Extruded End Cap	26 GA V-Groove Woodgrain Steel	26 GA V-Groove Woodgrain Steel
✓	614	1-3/8" (34.9mm)	0.106	18'-2"	16'-0"	16 GA Steel	26 GA V-Groove Woodgrain Steel	26 GA Flush Woodgrain Steel
✓	616	1-3/8" (34.9mm)	0.106	18'-2"	16'-0"	16 GA Steel	26 GA V-Groove Woodgrain Steel	26 GA V-Groove Woodgrain Steel
✓	632	1-3/8" (34.9mm)	0.106	18'-2"	16'-0"	16 GA Steel	26 GA V-Groove Woodgrain Steel	20 GA Flush Smooth Steel
✓	633	1-3/8" (34.9mm)	0.106	18'-2"	16'-0"	16 GA Steel	26 GA V-Groove Woodgrain Steel	20 GA V-Groove Smooth Steel
✓	632-20	1-3/8" (34.9mm)	0.106	18'-2"	16'-0"	16 GA Steel	20 GA V-Groove Smooth Steel	20 GA Flush Smooth Steel
✓	633-20	1-3/8" (34.9mm)	0.106	18'-2"	16'-0"	16 GA Steel	20 GA V-Groove Smooth Steel	20 GA V-Groove Smooth Steel
✓	660, 672, 682	1-3/8" (34.9mm)	0.106	18'-2"	16'-0"	Extruded End Cap	26 GA V-Groove Woodgrain Steel	26 GA Ribbed Short Panel Woodgrain Steel
✓	661, 671, 681	1-3/8" (34.9mm)	0.106	18'-2"	16'-0"	Extruded End Cap	26 GA V-Groove Woodgrain Steel	26 GA Recessed Short Panel Woodgrain Steel
✓	663, 673	1-3/8" (34.9mm)	0.106	18'-2"	16'-0"	Extruded End Cap	26 GA V-Groove Woodgrain Steel	26 GA Recessed Long Panel Woodgrain Steel
✓	664, 674	1-3/8" (34.9mm)	0.106	18'-2"	16'-0"	Extruded End Cap	26 GA V-Groove Woodgrain Steel	26 GA Ribbed Long Panel Panel Woodgrain Steel
✓	667, 670, 687	1-3/8" (34.9mm)	0.106	18'-2"	16'-0"	Extruded End Cap	26 GA V-Groove Woodgrain Steel	26 GA Ranch Panel Woodgrain Steel
✓	668, 678, 680	1-3/8" (34.9mm)	0.106	18'-2"	16'-0"	Extruded End Cap	26 GA V-Groove Woodgrain Steel	26 GA Standard Panel Woodgrain Steel
✓	669, 679, 690	1-3/8" (34.9mm)	0.106	18'-2"	16'-0"	Extruded End Cap	26 GA V-Groove Woodgrain Steel	26 GA Sculptured Panel Woodgrain Steel

OPTIONS

600 Series Available Options

- 2" or 3" Track
- Double Steel End Stiles
- Exhaust Port
- Cam Safety Device
- Spring Bumpers
- Chain Hoist
- Operators
- High Cycle Springs
- Glazing (lites)
- High Cycle Rollers
- Keyed Lock
- Wind Load Rating
- ASTM E 84 Fire Rated

Optional Exhaust Port (interior view)

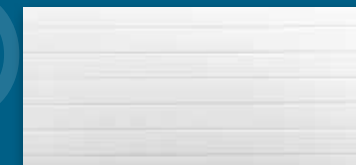


For detailed information about the construction of this series, see pages 34-35.

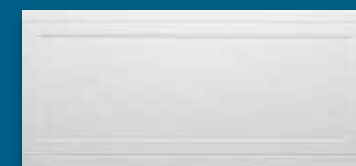
DOOR PANELS



Flush Woodgrain Panel
All colors except Bi-Directionals
Model 610 Window Options: p 42-44
Model 614 Window Options: p 44



V-Groove Smooth Panel
Polar White and Brown
Model 633 Window Options: p 44
Model 633-20 Window Options: p 44



Recessed Long Woodgrain Panel
All colors except Bi-Directional
Wood Grain colors for 673
Model 663 Window Options: p 43
Model 673 Window Options: p 44



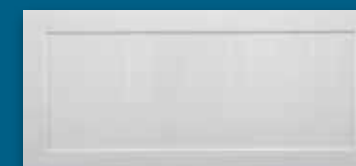
Raised Standard Woodgrain Panel
All colors except Bi-Directional
Wood Grain colors for 680 and 678
Model 680 Window Options: p 42
Model 668 Window Options: p 43
Model 678 Window Options: p 44



V-Groove Woodgrain Panel
All colors except Bi-Directionals
Model 612 Window Options: p 42 & 44
Model 616 Window Options: p 44



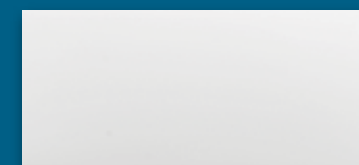
Ribbed Short Woodgrain Panel
All colors except Bi-Directional
Wood Grain colors for 672 and 682
Model 660 Window Options: p 43
Model 672 Window Options: p 44
Model 682 Window Options: p 42



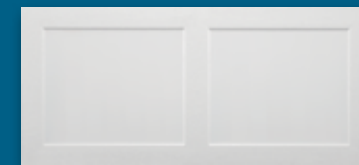
Ribbed Long Woodgrain Panel
All colors except Bi-Directional
Wood Grain colors for 674
Model 664 Window Options: p 43
Model 674 Window Options: p 44



Sculptured Raised Woodgrain Panel
All colors except Bi-Directional
Wood Grain colors for 690 and 679
Model 690 Window Options: p 42
Model 669 Window Options: p 43
Model 679 Window Options: p 44



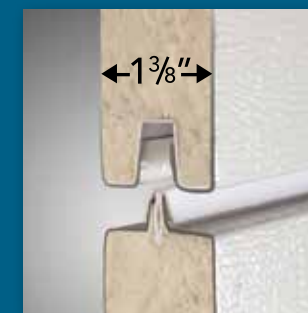
Flush Smooth Panel
Polar White and Brown
Model 632 Window Options: p 44
Model 632-20 Window Options: p 44



Recessed Short Woodgrain Panel
All colors except Bi-Directional
Wood Grain colors for 671 and 681
Model 661 Window Options: p 43
Model 671 Window Options: p 44
Model 681 Window Options: p 42



Raised Ranch Woodgrain Panel
All colors except Bi-Directional
Wood Grain colors for 670 and 687
Model 670 Window Options: p 44
Model 667 Window Options: p 43
Model 687 Window Options: p 42



A **Full Thermal Break** is used in the tongue-and-groove construction of all 600 series doors. This rigid vinyl extrusion seals the joints and eliminates metal-to-metal contact, which limits the transfer of temperature.

600 series doors exceed the ASHRAE 90.1 Standard when installed with standard bottom seal and commonly available rigid/flexible vinyl door stop.



C2415 in carbon black

COMMERCIAL RIBBED STEEL

2" Thick

Optional
Insulation

C2011 / C2011L / C2011S / C2015 /
C2015L / C2015S / C2410 / C2410L /
C2411 / C2411L / C2411S / C2415 /
C2415L / C2415S / C2460 / C2460L /
C2461 / C2461L / C2470 / C2470L /
C2471 / C2471L / C2472 / C2472L /
C2480 / C2480L / C2480S / C2481 /
C2481L / C2482 / C2482L / C2511 /
C2511L / C2511S

////////////////////////////////////

Strength and Value

The Haas Commercial Ribbed Steel Series doors are a value-based product that offers the strength of steel in four panel styles and five color choices. All models offer the upgrade of adding energy-efficient insulation panels. Ribbed steel doors are the ideal choice when economy is the prime consideration but a high quality, beautifully crafted product is still a necessity.



C2015 in polar white



C2011 in polar white with full view section



Model	Door Thickness	Tested U-Factor	Max. Door Size		End Stile Type	Section Skins		Insulation Type	Stile GA
			Width	Height		Inside	Outside		
C2011	2"	N/A	30'-2"	20'-0"	C-Shaped Steel	N/A	20 GA Ribbed Steel	None	18
C2011L	2"	N/A	30'-2"	20'-0"	C-Shaped Steel	Laminate Backer	20 GA Ribbed Steel	Inserted Polystyrene Panels	18
C2011S	2"	N/A	24'-2"	20'-0"	C-Shaped Steel	Steel Backer	20 GA Ribbed Steel	Inserted Polystyrene Panels	18
C2015	2"	N/A	30'-2"	20'-0"	C-Shaped Steel	N/A	20 GA Ribbed Steel	None	16
C2015L	2"	N/A	30'-2"	20'-0"	C-Shaped Steel	Laminate Backer	20 GA Ribbed Steel	Inserted Polystyrene Panels	16
C2015S	2"	N/A	24'-2"	20'-0"	C-Shaped Steel	Steel Backer	20 GA Ribbed Steel	Inserted Polystyrene Panels	16
C2411**	2"	N/A	30'-2"	20'-0"	C-Shaped Steel	N/A	24 GA Ribbed Steel	None	18
C2411L**	2"	N/A	30'-2"	20'-0"	C-Shaped Steel	Laminate Backer	24 GA Ribbed Steel	Inserted Polystyrene Panels	18
C2411S	2"	N/A	24'-2"	20'-0"	C-Shaped Steel	Steel Backer	24 GA Ribbed Steel	Inserted Polystyrene Panels	18
C2415**	2"	N/A	30'-2"	20'-0"	C-Shaped Steel	N/A	24 GA Ribbed Steel	None	16
C2415L**	2"	N/A	30'-2"	20'-0"	C-Shaped Steel	Laminate Backer	24 GA Ribbed Steel	Inserted Polystyrene Panels	16
C2415S	2"	N/A	24'-2"	20'-0"	C-Shaped Steel	Steel Backer	24 GA Ribbed Steel	Inserted Polystyrene Panels	16
C2511	2"	N/A	16'-2"	16'-0"	C-Shaped Steel	N/A	24 GA Nominal Ribbed Steel	None	18
C2511L	2"	N/A	16'-2"	16'-0"	C-Shaped Steel	Laminate Backer	24 GA Nominal Ribbed Steel	Inserted Polystyrene Panels	18
C2511S	2"	N/A	16'-2"	16'-0"	C-Shaped Steel	Steel Backer	24 GA Nominal Ribbed Steel	Inserted Polystyrene Panels	18
C2410	2"	N/A	18'-2"	10'-0"	C-Shaped Steel	N/A	24 GA Flush Panel Woodgrain Steel	None	18
✓ C2410L	2"	0.215	18'-2"	10'-0"	C-Shaped Steel	Laminate Backer	24 GA Flush Panel Woodgrain Steel	Inserted Polystyrene Panels	18
C2470	2"	N/A	24'-2"	16'-0"	C-Shaped Steel	N/A	24 GA Ranch Panel Woodgrain Steel	None	18
✓ C2470L	2"	0.215	24'-2"	16'-0"	C-Shaped Steel	Laminate Backer	24 GA Ranch Panel Woodgrain Steel	Inserted Polystyrene Panels	18
C2480	2"	N/A	24'-2"	16'-0"	C-Shaped Steel	N/A	24 GA Standard Panel Woodgrain Steel	None	18
✓ C2480L	2"	0.215	24'-2"	16'-0"	C-Shaped Steel	Laminate Backer	24 GA Standard Panel Woodgrain Steel	Inserted Polystyrene Panels	18
✓ C2480S	2"	0.225	24'-2"	16'-0"	C-Shaped Steel	Steel Backer	24 GA Standard Panel Woodgrain Steel	Inserted Polystyrene Panels	18
C2460, C2472, C2482	2"	N/A	24'-2"	16'-0"	C-Shaped Steel	N/A	24 GA Ribbed Short Panel Woodgrain Steel	None	18
✓ C2460L, C2472L, C2482L	2"	0.215	24'-2"	16'-0"	C-Shaped Steel	Laminate Backer	24 GA Ribbed Short Panel Woodgrain Steel	Inserted Polystyrene Panels	18
C2461, C2471, C2481	2"	N/A	24'-2"	16'-0"	C-Shaped Steel	N/A	24 GA Recessed Short Panel Woodgrain Steel	None	18
✓ C2461L, C2471L, C2481L	2"	0.215	24'-2"	16'-0"	C-Shaped Steel	Laminate Backer	24 GA Recessed Short Panel Woodgrain Steel	Inserted Polystyrene Panels	18

**widths over 24' 2" are only available in polar white

OPTIONS

Ribbed Steel Available Options

- 2" or 3" Track
- Double Steel End Stiles
- Exhaust Port
- Cam Safety Device
- Spring Bumpers
- Chain Hoist
- Operators
- High Cycle Springs
- Glazing (lites)
- High Cycle Rollers
- Aluminum Full View Section
- Keyed Lock
- Wind Load Rating
- Impact Lites on some Models



Bottom Seal



Optional Exhaust Port (interior view)



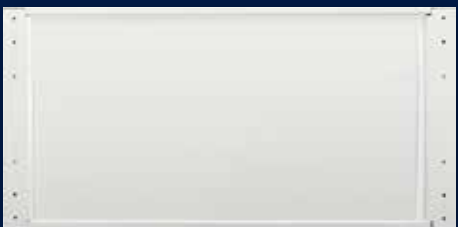
Non-Insulated - inside view



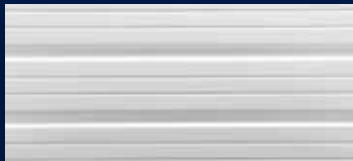
Insulated Laminate Back (L) - inside view



Insulated Steel Back (S) - inside view

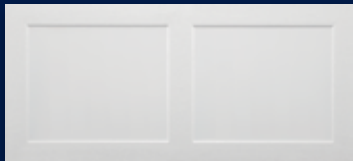


DOOR PANELS



Smooth Ribbed Steel Panel

Polar White Only
Models C2011, C2011L, C2011S, C2015, C2015L, C2015S, C2511, C2511L, C2511S
Window Options: p 44
Polar White, Sandstone, Brown & Carbon Black
Models C2411, C2411L, C2411S, C2415, C2415L, C2415S
Window Options: p 44



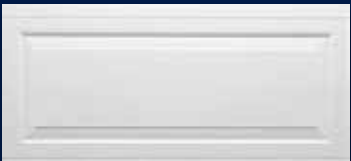
Recessed Short Woodgrain Panel

Polar White, Almond, Sahara Tan, Sandstone, Brown, Charcoal, English Oak & Carbon Black (not available in 18" sections)
Models C2461, C2461L
Window Options: p 43
Models C2471, C2471L
Window Options: p 44
Models C2481, C2481L
Window Options: p 42



Flush Woodgrain Panel

Polar White, Almond, Sahara Tan, Sandstone, Brown, Charcoal, English Oak & Carbon Black
Models C2410, C2410L
Window Options: p 42-44



Raised Ranch Woodgrain Panel

Polar White, Almond, Sahara Tan, Sandstone, Brown, Charcoal, English Oak & Carbon Black
Models C2470, C2470L
Window Options: p 44



Ribbed Short Woodgrain Panel

Polar White, Almond, Sahara Tan, Sandstone, Brown, Charcoal, English Oak & Carbon Black (not available in 18" sections)
Models C2460, C2460L
Window Options: p 43
Models C2472, C2472L
Window Options: p 44
Models C2482, C2482L
Window Options: p 42



Raised Standard Woodgrain Panel

Polar White, Almond, Sahara Tan, Sandstone, Brown, Charcoal, English Oak & Carbon Black
Models C2480, C2480L, C2480S
Window Options: p 42

The Strength To Keep Out Noise And Weather

Haas commercial insulated doors stand up to the elements, while dramatically decreasing exterior noise and enhancing the overall aesthetics of your building at the same time. Choosing one of our insulated doors will help increase energy savings, as our environmentally compliant polyurethane provides one of the best U-Factors available in sectional doors.

Haas garage doors are made from steel that contains 80% recycled material. They are reinforced with roll-formed galvanized steel struts and double-end hinges, as required to meet wind load specifications and to comply with ANSI/DASMA 102. The protective coating system is found on both the interior and exterior steel.

Environmentally Compliant Polyurethane Foam Construction

The polyurethane foam in a Haas garage door section is fully enclosed inside the steel skins. This design puts the insulation properties of polyurethane foam far ahead of polystyrene foam for performance and value.

Polyurethane foam is a two-part system. It begins with two chemical blends that when mixed together expand and cure to fill the garage door panel. During the expansion, the foam completely fills the inside of the panel and becomes fully adhered to the steel skins of the garage door panel to form a composite structure that is of exceptional strength and rigidity. Polyurethane foams are very stable when encapsulated inside a garage door section.

Insulating with polyurethane provides a superior product with higher insulation properties and a stronger unitized section.

Commercial Insulated Quick Reference

Series	Thickness	Tested U-Factor
9200	2" & 5/8" overlay	0.081
9600	1-3/8" & 5/8" overlay	0.096
5800	3"	0.089
5200	2"	0.110
5700	1-3/4"	0.097
800	3"	0.089
2000	2"	0.094
700	1-3/4"	0.093
600	1-3/8"	0.106

Air Infiltration Seal

5800, 5200, 800 and 2000 series doors include Air Infiltration Seals, which exceed the ASHRAE 90.1 Standard when installed with standard bottom seal and commonly available rigid/flexible vinyl door stop.

Full Thermal Break

A full Thermal Break is used in the tongue-and-groove construction of all commercial insulated doors. This rigid vinyl extrusion seals the joints and eliminates metal-to-metal contact between door sections, which limits the transfer of temperature. This also provides optimum water and wind resistance.

Weather Seal

A full-length, one-piece heavy vinyl bottom weather seal prevents infiltration of air, rain, snow and debris. The seal reduces impact shocks when the door is closed against concrete flooring.



Unique Paint System

All Haas garage doors include a corrosion-resistant protective finish with a polyurethane primer and a durable polyester clear coat on the interior and exterior. Traditional and Plank wood grain colors include an additional ink layer. Haas Door's paint thickness is one of the highest in the industry.

Standard solid and traditional wood grain colors include a 10-year finish warranty, Plank wood grain colors have a 12-year finish warranty, and Trinar® solid colors come with a 35-year finish warranty.

Hard Working Hardware

Haas track is 2" or 3" galvanized steel, depending on door size, with bracket mount for wood jambs or continuous reverse mounting for steel jambs. For angle-mount track, door widths are 2" wider than the opening. Track rollers are 2" or 3" case-hardened inner and outer steel races with 10-ball pre-lubricated bearings. Hinges, brackets, and reinforcing struts are hot-dipped galvanized steel. Fasteners are plated for maximum corrosion resistance. Counterbalancing springs are torsion type, computer calibrated to match door load. This provides a 10,000-cycle life at the minimum; optional spring wires can achieve 25,000, 50,000 and 100,000 cycle requirements. Springs are wound from oil-tempered wire and mounted on a continuous cross header tube or solid shaft, as determined by torque load.

Contact one of our professional dealers for information on additional options including: exterior cylinder locks, chain hoist operation, safety bottom brackets, and special lift clearance tracks (high lift, vertical lift, low headroom, and those that follow the roof line).

Full View

Optional Aluminum Full View sections on the 5000 Series, 2000 Series, 700 Series and Commercial Ribbed Steel provide maximum light and visibility with available insulated glazing. Full view sections for the 5000 Series are available in polar white. Full view sections for the 2000 & 700 Series are available in 12 colors. Full view sections for Commercial Ribbed Steel are available in 3 colors. (Not available in Wood Grain colors.)

The E-Strut® and Wind Load

The E-Strut is the next generation of strut design. Conceived, developed and manufactured by Haas Door, testing has proven the E-Strut to outperform traditional struts. This patented design is used on all Haas Door products.

The innovative E-Strut is intelligently designed to require half as many tek screws as u-bars and struts currently in use. This means less time attaching struts in the field for installers and a savings in labor expense for our dealers.

E-Struts are available in 2 inch, 3 inch, 4 inch and 6 inch widths and come standard in a galvanized finish. The 4 inch and 6 inch sizes do not require hinge straps.

Haas Door products are available in a wide range of design pressures for wind load requirements. Contact your local Haas Door dealer for more information about wind load requirements in your area.



Pass Door

Custom pass doors are also available on the 2000 & 700 Series.



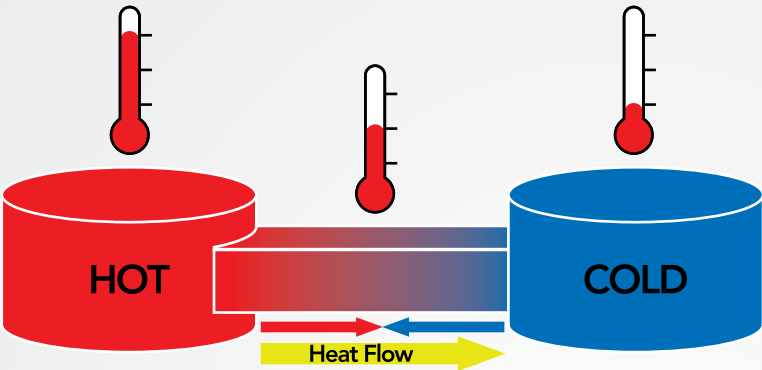
THERMAL PERFORMANCE U-FACTOR

What is U-Factor?

The tested U-Factor is the measurement of heat (energy) transfer from warmer side to colder side of the garage door (in our case). Heat transfer is not desired because it means the loss of energy from conditioned spaces.

A lower U-Factor indicates less heat transfer and better thermal performance.

It is the preferred method for building codes thermal performance, and architects use U-Factors to calculate building envelope energy loads. U-Factor tests the whole, installed assembly. Energy Star Fenestration products and knowledgeable professionals recognize and use U-Factor.



Without insulation or thermal break to stop it, energy will transfer through the door.

Who is requesting this industry standard?

Door & Access Systems Manufacturers Association (DASMA) has setup a verification program to provide industry wide standardization of marketing the thermal performance of sectional garage doors. This program represents a shift in how sectional garage doors thermal performance is rated, from traditional R-Value to more accurate and relevant 3rd party tested door assembly U-Factor.

DASMA and the program participants agree to increased consistency, and transparency by sharing tested data, allowing customers to compare product quality facts. More detailed information about the program and U-Factors are available at www.dasma.com/thermal.



Why is a tested U-Factor better than a calculated R-Value?

Tested U-Factor

- U-Factor tests the whole installed assembly which includes section joint, lites, stile attachment, etc. - more relevant to thermal performance
- Third party tested and validated by the program administrator
- All manufacturers using the same testing methods ANSI/DASMA 105
- Tests measure the actual heat/energy transfer
- All manufacturer results will be a direct comparison to one another

Calculated R-Value

- Only one section is calculated and provides the insulating effect through the "center" of a door section only, not the entire door
- Independently calculated by each manufacturer - not validated
- No testing standard resulting in a wide interpretation of the calculation
- Calculates the resistance to thermal transfer

How does this benefit you?

This shift to tested U-Factor measurements sets a standard all manufacturers in the program adhere to. Tested products included in the program must be submitted to the program administrator. Only tested products in the program can list U-Factor data. This is the most reliable thermal performance indicator in the industry. Manufacturers in the program are stepping forward and formally having their products tested to prove quality.

Comparison of products between manufacturers has never been easier or more accurate. All tested products are required to be labeled with DASMA thermal performance verification displaying testing results. For accurate data and product comparison, choose products that have been tested through this program.

Establishing the standard testing procedure, and having a third party accredited lab perform and record the testing data provides consistency across the industry. Special guidelines have been put in place to properly market the U-Factor information as well. This removes any possible confusion from one manufacturer to another.

How can I tell if the product has been tested?

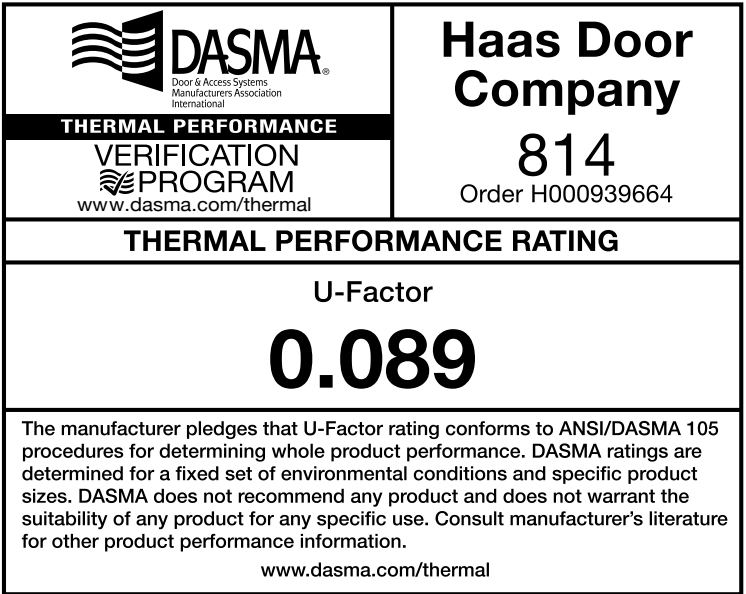
The use of DASMA thermal performance Badge, Label, or Icon will quickly identify products included in the program.



Badge



Icon



Label

American Tradition™ 9000 Series

- 10 Year Delamination and Rust-through Warranty on Sections
- 35 Year Finish Warranty for Steel Sections with Trinar® Colors
- 10 Year Finish Warranty for Solid and Wood Grain Colors
- 5 Year Overlay Delamination for all Colors
- 1 Year Hardware Warranty
- 1 Year Spring Warranty
- 1 Year All Other Components

Commercial Aluminum Series

- 1 Year Hardware Warranty
- 1 Year Finish Warranty
- 1 Year Spring Warranty
- 1 Year All Other Components

Insulated Aluminum 5000 Series

- 10 Year Delamination Warranty
- 10 Year Finish Warranty
- 1 Year Hardware Warranty
- 1 Year Spring Warranty
- 1 Year All Other Components

Insulated Steel - 800, 2000, 700 & 600 Series

- 10 Year Delamination and Rust-through Warranty
- 35 Year Finish Warranty for Trinar® Colors
- 12 Year Finish Warranty for Plank Colors
- 10 Year Finish Warranty for Solid & Wood Grain Colors
- 1 Year Hardware Warranty
- 1 Year Spring Warranty
- 1 Year All Other Components

Ribbed Steel - 2400 & 2500 Series

- 1 Year Rust-through Warranty
- 1 Year Hardware Warranty
- 1 Year Spring Warranty
- 1 Year All Other Components



www.haasdoor.com/commercial

www.haasdoor.com/architects







3 Part Specification/BIM

www.haasdoor.com/specs












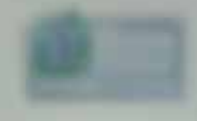



1/8" Non-Insulated

 Clear	 Light Gray	 Dark Gray
 Frosted	 Clear Polycarbonate	 Bronze
 Obscure	 Clear DSB (Only Standard Series)	 Frosted DSB (Only Standard Series)

1/4" Non-Insulated (Only Commercial Aluminum)

 Wire	 Frosted Safety Laminate
 Clear Safety Laminate	 Reflective Bronze

1/2" Insulated

 Clear/Clear	 Light Gray/Clear	 Dark Gray/Clear
 Clear/Frosted	 Light Gray/Frosted	 Dark Gray/Frosted
 Bronze/Clear	 Clear/SolarShield	 Dark Gray/Dark Gray
 Bronze/Frosted	 Clear/Low-E	 Obscure/Frosted
 Obscure/Clear	 Translucent Mirror (Dark in Garage)	 Translucent Mirror (Light in Garage)

Impact Polycarbonate (UV rating on Clear only)

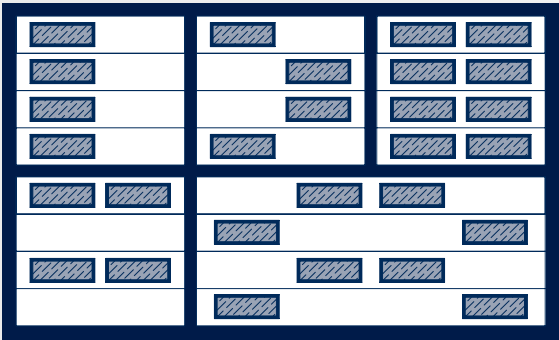
 Clear	 Dark Gray	 Pebble
 Bronze	 Frosted	

SELECTVIEW OPTIONS

SelectView allows you to select unique window placements based on the door series and window. SelectView is unique due to the vast amount of options available to suit any need. Whether you're looking to add some character to a ribbed steel commercial building project, or adding more lite into a warehouse renovation, SelectView provides many options to give your project differentiation. Wind Load and impact requirements limit window placements.

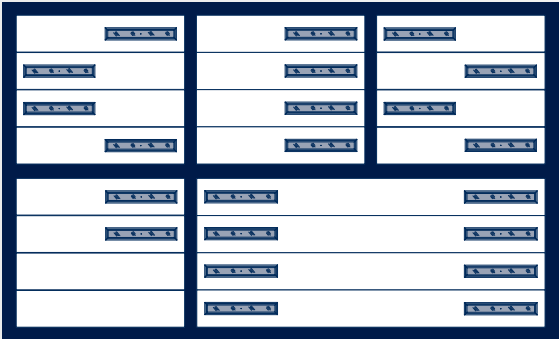
- Available in 800, 2000, 700, 600 and Ribbed Steel* Series
- Multiple window placement options by series and panel styles
- Ranch and Standard Series windows use their matching panel, Carriage House Series windows use Flush panels, SlimLine use Flush and V-Groove panles, and TL lites are available in Flush, V-Groove, and Ribbed Steel*
- Available with Specialty Glass and insert options
- Insulated and Non-insulated glass options in Carriage House, Ranch, Standard, and TL lites; SlimLine only available in Insulated options
- Standard and Wood Grain color options follow door Series
- Max size 18'2" x 16' - More than one lite in the bottom section is limited to 18'2" x 10'0"

*Ribbed Steel Series are limited to 1 window in bottom section



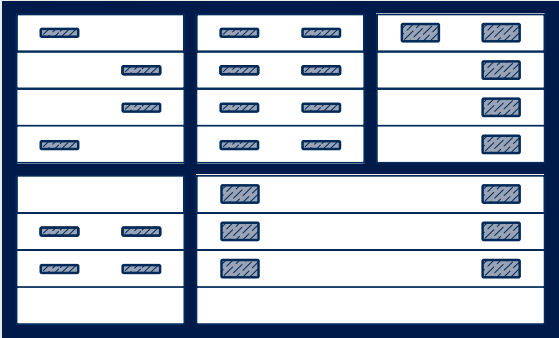
Carriage House Options

- Add windows to a flush door to create a modern, custom look to fit the style of your building.
- Available in Flush panel models.
- Available with Decorative glass, Specialty glass & inserts.
- Largest glass window size - 39 7/16" x 13 5/8".



SlimLine Options

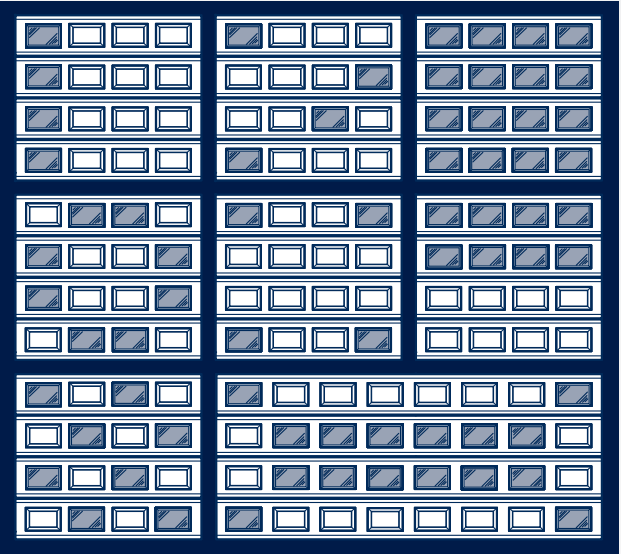
- Modern and sleek windows available in Flush or V-Groove panel models
- Available with Specialty glass (Not available with Translucent Mirror)
- Window size - 40 7/8" x 7".



(Possibilities shown above, many more available)

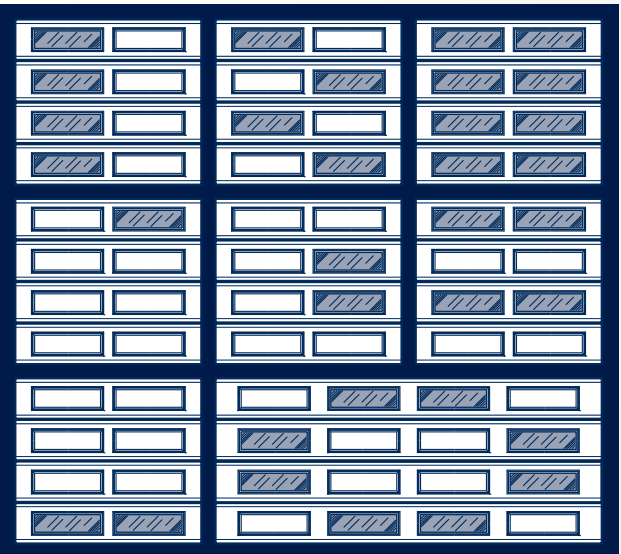
TL Options

- Take the ordinary residential or commercial door to extraordinary.
- Available in Flush, V-Groove, and Ribbed Steel* models.
- Available with Clear or Frosted glass.
- Commercial Ribbed Steel: 24" x 6" & 24" x 12" window sizes, black frame – All other series: 25" x 12" & 24" x 6" window sizes, large window frame matches door color.



Standard Options

- Mix windows & standard panels for a unique look.
- Available in Raised Standard stamped panel models.
- Available with Decorative glass, Specialty glass & inserts.
- 18 3/8" x 11 3/8" window size for 800, 2000, 700 & 600 Series – 17 3/8" x 11 3/8" window size for 2400, 2500 & Commercial Ribbed Steel* Series.
- 2400 Series are limited to 1 lite in bottom section.



(Possibilities shown above, many more available)

Ranch Options

- Create curb appeal with windows & panels.
- Available in Raised Ranch stamped panel models.
- Available with Decorative glass, Specialty glass & inserts.
- Window size - 39 3/8" x 11 1/2".

Standard Series

Models 610, 680, 681, 682, 687, 690, 710, 780, 781, 782, 787, 790, 5710, 5780, 5787
1/8" DSB, 1/8" Tempered
1/2" Insulated Tempered

Models 2010, 2080, 2081, 2082, 2087, 2090, 5210, 5280, 5287
1/2" Insulated

Models C2410, C2410L, C2480, C2480S, C2480L, C2481, C2481L, C2482, C2482L
1/8" DSB, 1/8" Tempered

Cascade



Cathedral



Colonial



Plain



Prairie



Sherwood



SlimLine

Models 710, 712, 5710, 5712
7/8" Insulated Tempered

Models 610, 612, 2010, 2012, 5210, 5212
1/2" Insulated Tempered



Carriage House Series (not available in 18" sections)

Models 610, 660, 661, 663, 664, 667, 668, 669, 710, 760, 761, 763, 764, 767, 768, 769, 5710, 5767, 5768
1/8" Tempered
1/2" Insulated Tempered

Models 2010, 2060, 2061, 2063, 2064, 2067, 2068, 2069, 5210, 5267, 5268
3/4" Insulated Tempered

Models C2410, C2410L, C2460, C2460L, C2461, C2461L
1/8" Tempered

3-Pane



3-Pane
Single Arch



3-Pane
Double Arch



4-Pane



4-Pane
Single Arch



4-Pane
Double Arch



6-Pane



6-Pane
Single Arch



6-Pane
Double Arch



8-Pane



8-Pane
Single Arch



8-Pane
Double Arch



Plain



WINDOW OPTIONS

Ranch Series

Models 610, 670, 671, 672, 673, 674, 678, 679, 710, 770, 771, 772, 773, 774, 778, 779, 5710, 5770, 5778
1/8" Tempered
1/2" Insulated Tempered

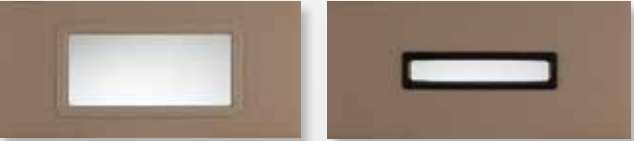
Models 2010, 2070, 2071, 2072, 2073, 2074, 2078, 2079, 5210, 5270, 5278
1/2" Insulated Tempered

Models C2410, C2410L, C2470, C2470L, C2471, C2471L, C2472, C2472L
1/8" Tempered



TL Lites

Models 610, 612, 614, 616, 632, 633, 710, 712, 714, 716, 732, 732-20, 733, 733-20, 750, 751, 5710, 5712, 5714, 5716
1/2" Insulated Tempered - Clear, Frosted or Obscure
Models 2010, 2012, 2014, 2016, 2032, 2032-20, 2033, 2033-20, 2050, 2051, 5210, 5212, 5214, 5216
3/4" Insulated Tempered - Clear, Frosted or Obscure
Models 814, 816, 832, 832-20, 833, 833-20, 850, 851, 5814, 5816
1 3/4" Insulated Tempered - Clear or Frosted and Obscure for 25" x 12"



TL Lite 25" x 12"
(24 7/8" x 10 7/8" viewable)
Outer frame matches door color, White inside frame.

Small TL Lite 24" x 6"
(21 1/2" x 3 1/4" viewable)
Outer frame available in Black or White. Inside frame only available in White.

Commercial Ribbed Steel Lites

Models C2011, C2015, C2411, C2415, C2511, C2410
1/8" Tempered - Clear or Frosted
Models C2011L, C2011S, C2015L, C2015S, C2415L, C2415S, C2511L, C2511S, C2411L, C2411S, C2410L
3/4" Insulated Tempered - Clear or Frosted



24" x 6"
(21 1/2" x 3 1/4" viewable)
Outer frame available in Black or White. Inside frame only available in White.

24" x 12"
(21 1/2" x 9 1/2" viewable)
Outer frame available in Black or White. Inside frame only available in White. Not available for Model C2410 or C2410L.

COLOR OPTIONS

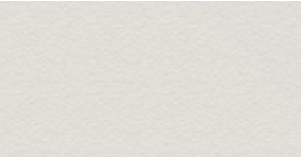
Solid Steel Colors

Due to the printing process, colors may vary. For the most accurate color match, see your Haas Door dealer for a metal color selector.



* These colors include a cool chemistry paint finish, but is not recommended for projects with extreme exposures to heat and sunlight.

Insulated Aluminum Color



Polar White

Plank Steel Colors



Cedar Plank

American Walnut Plank

English Oak Plank

COLOR OPTIONS

Uni-Directional Wood Grain Colors (Only English Oak available in 2400 series. Not available in 2500 series.)



American Walnut
Wood Grain Embossed



English Oak
Wood Grain Embossed



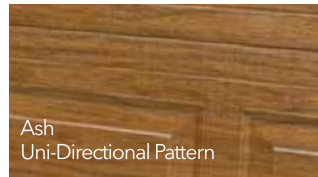
Ash
Wood Grain Embossed



Mahogany
Wood Grain Embossed



Graywood
Wood Grain Embossed



Ash
Uni-Directional Pattern

- These authentic colors feature a wood grain pattern that runs horizontally to compliment any of our insulated steel models.
- The pre-painted wood grain finish is baked on to ensure a durable and long lasting door. Steel wood grain colors feature a 10 year finish warranty.
- Built with 26 gauge galvanized steel that features a wood grain embossment.
- Available in all insulated steel models.

Bi-Directional Wood Grain Colors (not available in 2400 & 2500 series)



American Walnut
Stucco Embossed



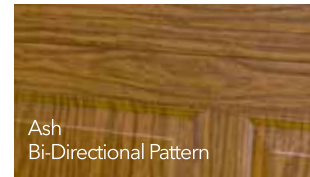
English Oak
Stucco Embossed



Ash
Stucco Embossed



Mahogany
Stucco Embossed



Ash
Bi-Directional Pattern

- A vertical wood grain pattern on the panel and stile contrasting with a horizontal pattern on the rails creates the appearance of a real wood door.
- The pre-painted wood grain finish is baked on to ensure a durable and long lasting door. Steel wood grain colors feature a 10 year finish warranty.
- Built with 26 gauge galvanized steel that features a light stucco embossment.
- Available insulated steel models with a stamped panel and Carriage House lites.

Color Availability Chart

Color Availability Chart									Solid Steel Colors											Insulated Aluminum Color		Uni-Directional Steel Wood Grain Colors						Bi-Directional Steel Wood Grain Colors				Plank Wood Grain Colors			
Model				Panel Type		Lites		Polar White	Almond	Sahara Tan	Sandstone	Trinar® Beige	Bronze	Trinar® Brown	Espresso	Brown	Gray	Charcoal	Carbon Black		Polar White		American Walnut	English Oak	Mahogany	Ash	Graywood	American Walnut	English Oak	Mahogany	Ash	Cedar	American Walnut	English Oak	
Insulated Models		5210	5710																			•													
			5212	5712		2010	710	610	Woodgrain Flush	All	•	•	•	•	•	•	•	•	•	•			•	•	•	•	•					•	•	•	
						2012	712	612	Stucco V Groove																										
						2012	712	612	V Groove	TL	•	•	•	•	•	•	•	•	•	•			•	•	•	•	•					•	•	•	
	5814	5214	5714						Stucco Flush	TL	•	•											•												
									Woodgrain Flush	TL	•	•	•	•	•	•	•	•	•	•			•	•	•	•	•								
									Woodgrain Flush	TL	•	•	•	•	•	•	•	•	•	•			•	•	•	•	•								
	5816	5216	5716		814				Stucco V Groove	TL	•	•	•	•	•	•	•	•	•	•			•												
									V Groove	TL	•	•	•	•	•	•	•	•	•	•			•	•	•	•	•								
									V Groove	TL	•	•	•	•	•	•	•	•	•	•			•	•	•	•	•								
									Smooth Flush	TL	•																								
									Smooth V Groove	TL	•																								
									2060	760	660	Ribbed Short	Carriage	•	•	•	•	•	•	•				•	•	•	•	•	•	•	•	•	•	•	•
									2061	761	661	Recessed Short	Carriage	•	•	•	•	•	•	•			•	•	•	•	•	•	•	•	•	•	•	•	•
									2063	763	663	Recessed Long	Carriage	•	•	•	•	•	•	•			•	•	•	•	•	•	•	•	•	•	•	•	•
									2064	764	664	Ribbed Long	Carriage	•	•	•	•	•	•	•			•	•	•	•	•	•	•	•	•	•	•	•	•
									2067	767	667	Raised Ranch	Carriage	•	•	•	•	•	•	•			•	•	•	•	•	•	•	•	•	•	•	•	•
									2068	768	668	Raised Standard	Carriage	•	•	•	•	•	•	•			•	•	•	•	•	•	•	•	•	•	•	•	•
									2069	769	669	Raised Sculptured	Carriage	•	•	•	•	•	•	•			•	•	•	•	•	•	•	•	•	•	•	•	•
									2070	770	670	Raised Ranch	Ranch	•	•	•	•	•	•	•			•	•	•	•	•	•							
	5870	5270	5770						Raised Ranch	Ranch													•												
									870														•												

Haas Door is Committed to Quality.

As a member of the Door and Access Systems Manufacturers Association (DASMA), Haas Door is committed to industry standards for quality and safety. In addition to these guidelines, Haas Door has developed its own quality assurance procedures.

Each raw material used in the manufacturing process is inspected daily for quality assurance. Steel used on the inside and outside skins is checked for accuracy in thickness and finish. The insulation material, a high density environmentally compliant polyurethane foam, is tested continuously on each production line to ensure that the correct density, blend of material, cure time and tested U-Factors are achieved.

Samples of manufactured doors are tested for quality and durability. Doors are cycled tens of thousands of times to test the performance and endurance of the sections, hinges, springs, cables, rollers, bottom seals, and track. Strength is measured using two separate tests. Individual sections are subjected to a dead load test, and complete doors are wind load tested. This ensures that Haas garage doors will meet wind load requirements for building codes across the country.

Haas continues to perform testing outside of the manufacturing facility, as both prototype and current doors are installed in various locations and monitored for durability. External labs are also used to test specific components to ensure quality standards.

Quality people and quality products are what make Haas Door the best garage door manufacturer in the industry. Open the door to endless possibilities!



Environmental Responsibility

Haas Door Company manufactures all garage doors in the U.S. and is committed to providing quality products that are safe for our customers and to the environment. Haas garage doors are made from steel that contains 80% recycled material. A plastic thermal break, made with recycled materials, separates each door section to eliminate metal-to-metal contact and the transfer of temperature. Haas also uses environmentally compliant polyurethane insulation, which results in some of the most energy-efficient doors on the market. Good for the environment and saves energy!

Haas Door has also implemented an ongoing improvement plan to gain efficiency and reduce waste, including a recycling program for scrap metal, cardboard and plastic. Many suppliers are regional, which minimizes fuel costs, and material packaging is reused or recycled whenever possible.





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open the door to
endless possibilities