



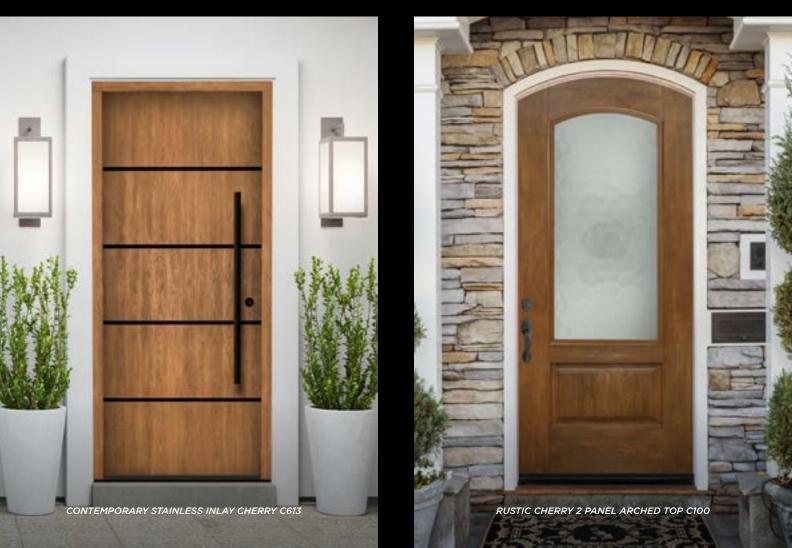


# BORN TO REDEFINE THE ENTRY DOOR FOR EVERYONE

### YOUR DOOR, DEFINED

In 2008 Weber Manufacturing Technologies Inc., a Midland, Ontario, Canada based tooling company, set out to leverage their proprietary Nickel Vapor Deposition (NVD) technology to completely revolutionize how fiberglass entry doors are made. NVD technology provides a unique way to capture fine, surface grain details, found on wood, leather and other materials. It works by taking a silicone cast of the actual material and then creating highly specialized nickel tools, which are used to transfer the grain. With NVD, Weber created a complete offering of fiberglass door designs and

fiberglass cladded components. The offering was branded MasterGrain<sup>™</sup> and the company began selling doors across North America. There are other technologies which can replicate woodgrain for fiberglass door production, but none can deliver the intricate and beautiful detail that a MasterGrain door is able to produce at a microscopic level using NVD technology. Today, in addition to MasterGrain doors, Weber uses NVD technology to create tooling and finished products for some of the world's most luxurious automotive, aerospace and building products brands.









### BUILT BETTER BECAUSE BEAUTY IS ONLY SKIN DEEP

MasterGrain<sup>™</sup> products can replicate, with fine detail, woodgrain and texture right down to the knots and swirls that give a wood door its unique character and charm. Components come together seamlessly to create luxurious, durable, high-quality doors that distinguish a home's exterior from a distance and completely adorn its interior. Going beyond its striking appearance, you will find a MasterGrain door has robust build quality that delivers energy and performance criteria that is best-in-class in the door industry. The difference is found in the design and engineering, in the quality of the materials used and finally in the state-of-the-art manufacturing process. MasterGrain is the only door brand in the industry to offer fiberglass cladded components to improve both appearance and performance. Door skins are made thicker than industry standard to provide more strength to better resist dents, dings and scratches. In addition, composite materials are used for many of the door slab and frame components to eliminate twisting, warping, mold and rot.

The high-density polyurethane foam core provides best-in-class insulation and is CFC free. There is more to a MasterGrain door than meets the eye, although what meets the eye is extremely beautiful. Explore this brochure to find out which MasterGrain door is right for you.

# CONTENTS

A True Entry Door Solution	05	Craftsman Fir	28
It's What's Inside That Counts	06	Contemporary Edge Smooth	33
Molded Fiberglass Door Lite Frames	07	Decorator Series Edge Smooth	38
Composite Components	08	Craftsman Edge Smooth	39
Fiberglass Cladded Astragals	09	Shaker Edge Smooth	40
Transom Sill, Mull Casing & Glass Stop	09	Stainless Inlay Edge Smooth	41
Contemporary Engraved Cherry	11	Engraved Edge Smooth	43
Contemporary Stainless Inlay Cherry	13	Classic Mahogany	45
Classic Cherry	15	Classic Oak	49
Rustic Cherry	21	Rustic Knotty Alder	53
Decorator Series Fir	25		



# A TRUE ENTRY DOOR SOLUTION

What sets MasterGrain<sup>™</sup> apart? It's the commitment to quality and investment in world-class manufacturing technologies. Every MasterGrain door is built with fiberglassclad components in order to deliver a finish that is seamless, strong, and, perhaps best of all, completely stainable. The result is a versatile door that flawlessly replicates the look, texture and aesthetic of real wood.

#### 1. Door Skins

Nickel Vapor Deposition (NVD) technology, a process exclusive to MasterGrain, is used to mold the world's strongest fiberglass door skins of various thicknesses and finishes.

#### 2. Polyurethane Foam Core

High-density, CFC-free polyurethane foam is injected into the slab core to offer superior insulation, energy efficiency, sound-dampening, and resistance to dents and other damage.

#### 3. Engineered Wood with Hardwood Maple Cap

Stiles are made from premium materials so they are exceptionally strong, stable and straight. They are also built wider than industry standard with uniform lock and hinge sides to accommodate almost any hardware and improve door performance over time.

#### 4. Composite Rails

Rot-resistant composite (plastic film and wood fibers) are used for both the top and bottom rails. This material is resilient and more stable than wood or other materials.

#### 5. Composite Reinforced Mull Post

Composite core components with aluminumreinforcement offers increased security, strength and fire ratings. Plus, fiberglass cladding adds complete design versatility.

#### 6. Bronze or Mill Finish Aluminum Sills

Designed specifically to provide a tight seal, aluminum sills protect against moisture, air and debris infiltration into the home while offering the ability to complement any entry door system and configuration.

#### 7. Molded Fiberglass Door Lite Frame

A patented clip assembly system is employed to eliminate the need for unsightly screws and plugs. It creates a unique look that is completely seamless.

#### 8. Simulated Dividing Lites (SDLs)

Made with molded fiberglass to provide countless customization options, SDLs can be used in any design configuration as well as stained to match door panels and other components.

#### 9. Sidelite Composite Glass Stop

Matching composite glass stops, made with or without woodgrain, are installed on the inside of the door lite frame to hold glass securely in place, deliver improved performance and durability and make removal/replacement easier.



- **10. Composite Jambs with Woodgrain Fiberglass Cladding** All jambs are made using composite material. Woodgrain fiberglass-clad jambs are offered to attain a completely seamless look as they can be stained.
- Brickmold with Woodgrain Fiberglass Cladding Available in a variety of sizes and finishes, this fiberglass-clad brickmold is used as an aesthetic casing. It will not rot, split or warp and is completely stainable for a beautiful and seamless aesthetic.

# IT'S WHAT'S INSIDE THAT COUNTS

Every MasterGrain<sup>™</sup> door is engineered and built in North America by skilled technicians to ensure the highest quality. Unlike other doors, the manufacturing processes and technologies which MasterGrain employs, eliminate the need to compromise between strength and lasting beauty.

- Does NOT warp, rot or crack like wood doors and requires less maintenance
- Does NOT rust or dent like steel doors
- Excellent grain and stain matching across fiberglass components
- Engineered for the extreme hot and cold temperatures of North America

#### STRENGTH

A pair of robust  $4-\frac{1}{16''}$  stiles run down each side of the door slab. The stiles are made of  $3-\frac{7}{16''}$  engineered wood and a  $\frac{5}{8''}$  maple cap.

#### **HIGH DEFINITION**

To produce the highest definition woodgrain fiberglass doors, it starts with high quality fiberglass that is transformed using our unique NVD Technology. Our skins have a minimum thickness of 0.09" to 0.175" to accommodate inlays and routed designs.

#### PERFORMANCE

All of our doors are insulated with high density, CFC free, polyurethane foam. Our formula improves energy efficiency & sound abatement.

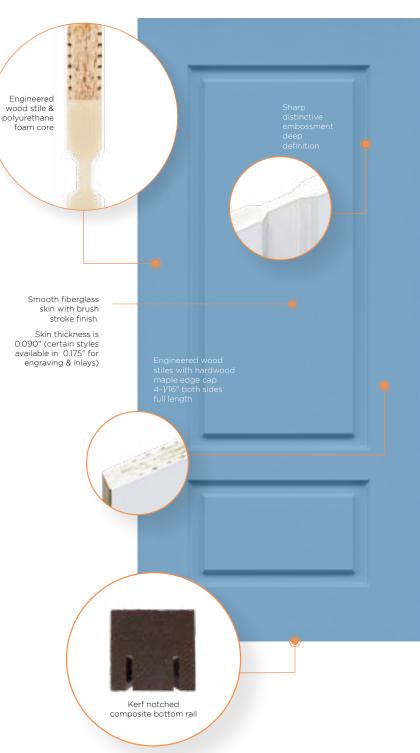
#### CONSTRUCTION

Doors are constructed using rot resistant composite top and bottom rails.

#### **IMPACT TESTED** PRODUCTS ARE FOUND UNDER THE FOLLOWING APPROVAL NUMBERS

NON-IMPACT	ІМРАСТ	HVHZ
#FL13320	#FL21852	#FL21852.19*

Visit www.floridabuilding.org/pr/pr\_app\_srch.aspx for details. \*Tested with opaque 3/0 x 8/0 outswing.



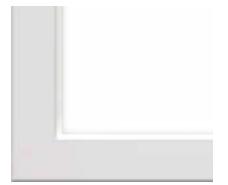
### MOLDED FIBERGLASS DOOR LITE FRAMES & SIMULATED DIVIDING LITES (SDLs)

MasterGrain<sup>™</sup> molds their own patented woodgrain and smooth fiberglass door lite frames that use a clip assembly system that eliminates the need for unsightly screws and plugs to deliver a unique uninterrupted look. MasterGrain also offers molded fiberglass simulated divided lites (SDLs).

- Fiberglass frames are more rigid than plastic frames.
- No welded corners ensures a tight weather seal to the door and minimizes distortion.
- Plugless frame system eliminates all unsightly screw holes and plugs for a clean aesthetic.
- Traditional plugged door lite system uses screws and plugs to deliver certified performance for impact, air, water and cycle testing.
- Molded fiberglass SDL bars provide an energy-efficient way to create a number of design configurations for a completely custom look.
- Door lite frames and SDLs can be stained to match door panels and all other MasterGrain door components for a seamless beautiful aesthetic.



SDL's come pre-taped and notched to create a beautiful lap-joint.



#### CONTEMPORARY

**Plugged or Plugless** Low profile White: Smooth Edge



FIR

**Plugged or Plugless** Flush fit, with optional integrated dentil shelf Tan: Fir



#### TRADITIONAL Plugged or Plugless Raised profile Tan: Oak/Alder Rose: Mahogany/Cherry





### **COMPOSITE COMPONENTS**

The only NVD fiberglass cladded component frames available in the industry.

- 2X screw holding power due to rigid composite formulation and closed cellular structure
- Rot resistant, does not absorb moisture
- Stronger than wood door frames
- 20 minute fire-rated
- Impact rated
- Maintenance free
- Termite resistant
- Versatile lengths and widths



Alder/Oak Tan Base SMC



Mahogany/Cherry Rose Base SMC



Tan Base SMC

#### **COMPOSITE JAMB**



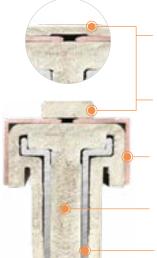
Composite Core

Fiberglass Cladding

COMPOSITE JAMBS			
	4-9/16"	5-1/2"	6-%16″
1- <sup>3</sup> / <sub>4</sub> " cladded	~	~	~
1-3/4" non-cladded	~	×	~

Size and availability depending on grain/model.

#### **COMPOSITE MULL POST**



**Composite Trim** Traditional Profile

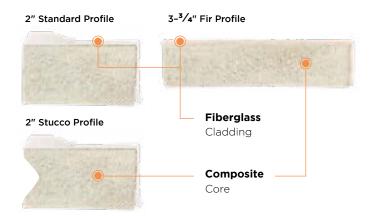
**Composite Trim** Contemporary Profile

Fiberglass Cladding

Composite Core

Aluminum Reinforcement

#### **COMPOSITE BRICKMOLD**

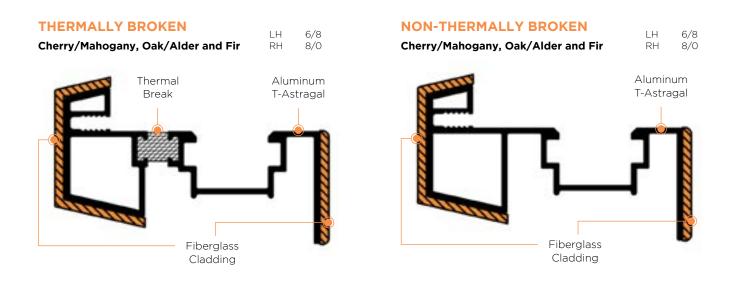


COMPOSITE CLADDED BRICKMOLDS			
	Alder/Oak	Mahogany/Cherry	Fir
2"	~	~	×
3-3/4″	×	<ul> <li>Image: A second s</li></ul>	~

Size availability depending on model. Not available non-cladded.

## FIBERGLASS CLADDED ASTRAGALS

Aluminum astragal with fiberglass cladding to match door panels.



### **TRANSOM SILL, MULL CASING & GLASS STOP**

#### **COMPOSITE TRANSOM SILL WITH GRAIN**

Size	Part #	Finish
5- <sup>5</sup> / <sub>8</sub> x 120″	TSCOM4120	Grained
7- <sup>5</sup> / <sub>8</sub> x 120″	TSCOM6120	Grained

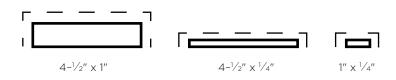
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#### COMPOSITE SMOOTH PRIMED TRANSOM SILL

Size	Part #	Finish
5- <sup>5</sup> / <sub>8</sub> x 168″	TSCOM4168P	Smooth Primed
7-⁵∕8 x 168″	TSCOM6168P	Smooth Primed

#### **COMPOSITE MULL CASING WITH GRAIN**

Size	Part #	Finish
5- <sup>5</sup> / <sub>8</sub> x 168″	MCCOM4121-120	Grained
7-⁵∕ <sub>8</sub> x 168″	MCCOM41214-120	Grained
7-⁵∕8 x 168″	MCCOM114-120	Grained



#### **COMPOSITE GLASS STOPS**

Size	Part #	Finish
<sup>3</sup> / <sub>4</sub> " x <sup>1</sup> / <sub>2</sub> " x 144"	GS-COMG	Grained
<sup>3</sup> / <sub>4</sub> " x <sup>1</sup> / <sub>2</sub> " x 144"	GS-COM	Smooth Raw
.354" x .553" x 99"	GSCOM99	Grained





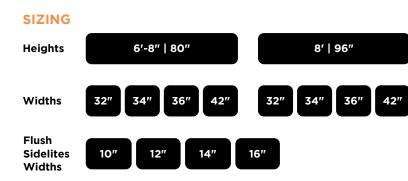
### CONTEMPORARY ENGRAVED







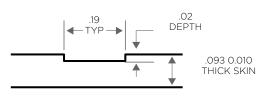
\*Available in 83" height. Also available with 0.175" thick skins \*\*Available in 30" widths x 83" heights. Also available with 0.175" thick skins



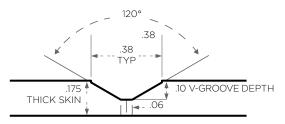
 $2^{-1/4''}$  slab thickness available for 8' doors without glass<sup>†</sup>

<sup>+</sup>Only available for 36" x 8' and 42" x 8'

#### SHADOW GROOVE PROFILE



#### DEEP V GROOVE

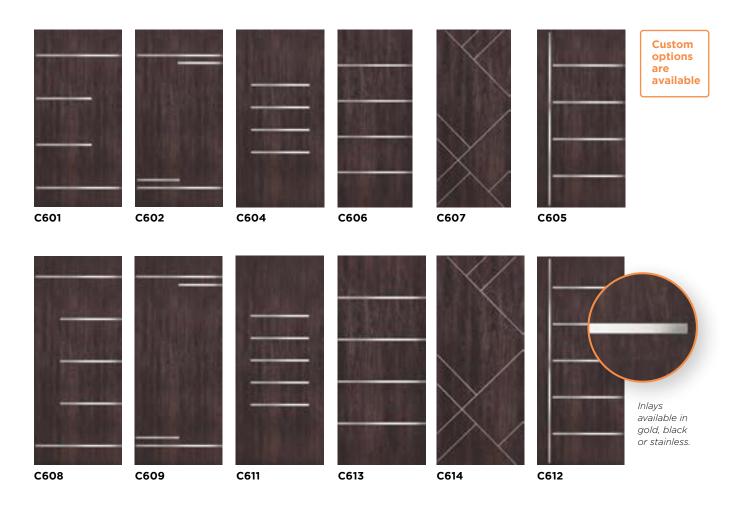




### CONTEMPORARY STAINLESS INLAY







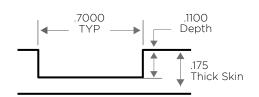
#### SIZING



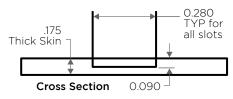
#### .175" skin thickness

 $2^{-1/4''}$  slab thickness available for 8' doors without glass<sup>†</sup> <sup>†</sup>Only available for 36'' x 8' and 42'' x 8'

#### **STAINLESS PROFILE**



#### Stainless Profile for C607 and C614





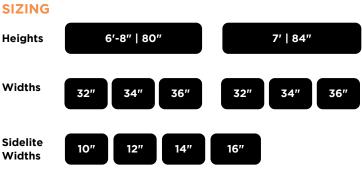
### CLASSIC CHERRY





**C200** 6 Panel

**C201** 22" x 64"



Sill

.175" skin thickness

 $2\text{-}^{1\!/}\!4''$  slab thickness available for 8' doors without glass\*





22" x 64"



C208

8" x 64"

22" x 64"

**C207** 22" × 64"







\*Only available in 10"

### CLASSIC CHERRY

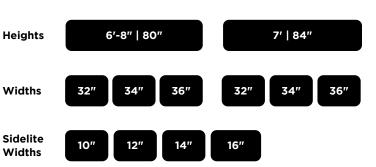




C205 22" × 11"

C206 22" x 11"

#### SIZING



\*8 panel doors only available in 34" and 36" widths. 10" Sidelites only available in flush





C216\*  $8'' \times 42''$ 



22" × 36"



22" x 36"

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22" × 36"

C213 22" x 36"





C204 8" x 36"



8 Panel

16 MASTERGRAIN

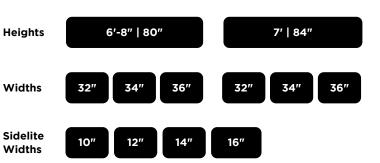


C220 3 Panel

22" x 48"

22" x 48"

SIZING



10" Sidelites only available in flush



14" x 37"

C228

22" x 48"



C261 22" × 48"

22" x 48"

C-SL C223  $8'' \times 48''$ 















8" x 48"

 $8'' \times 48''$ 

### CLASSIC CHERRY





C233 2 Panel

2 Panel



C238 22" x 48"





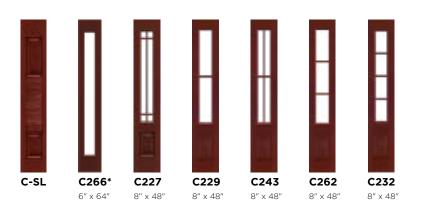
C239 14" x 37"







C245  $22'' \times 48''$ 



22" x 48"

\*Only available in 10"

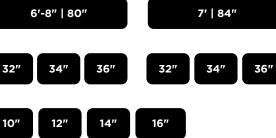


22" x 48"



SIZING





10" Sidelites only available in flush





**C250** 2 Panel

2 Panel

2 Panel

C264

 $22'' \times 64''$ 



**C251** 22" × 64"





**C253** 22" x 64"

**C254** 22" × 64"



\*Only available in 42" \*\*Only available in 12", 14", or 16"

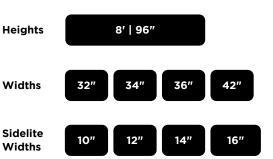


**C219\*** 2 Panel



22" x 64"

#### SIZING



 $2^{-1/4''}$  slab thickness available for 36" x 8' and 42" x 8' doors, without glass^t

10" Sidelites only available in flush

### CLASSIC CHERRY



C733 28" x 80"

22" x 17"

22" x 3-<sup>1</sup>/2"





Widths



C734

C735 22" x 3-<sup>1</sup>/<sub>2</sub>"



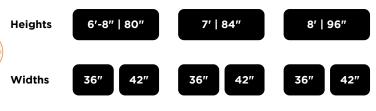
C499-F175 Also available in



C125

#### SIZING

HVHZ

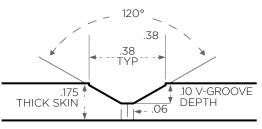


.175" skin thickness

 $2\text{-}^{1\!/}\!4''$  slab thickness available for 8' doors without glass\*

<sup>†</sup>Only available for 36" x 8' and 42" x 8'

#### **DEEP V GROOVE**

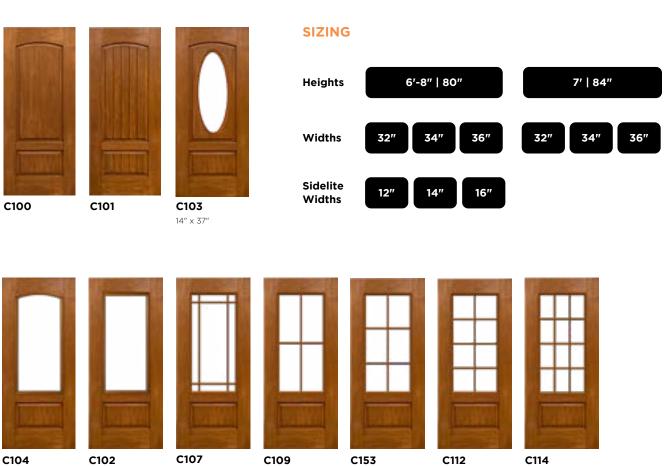








### RUSTIC CHERRY



**C104** 22" x 48"

C-SLR

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8" x 64"

22" × 48"



22" x 48"

C161

8" x 48"

22" x 48"

C154

8" x 48"

C111

8" x 48"

22" x 48"

**C112** 22" × 48"

C115

8" x 48"

**C114** 22" × 48" Charles of a

MASTERGRAIN 21 💋

RUSTIC CHERRY CI01 2 PANEL DOOR

10

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### RUSTIC CHERRY



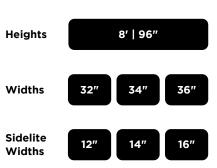


22" × 64"



C148 22" × 64"

#### SIZING



C162 22" × 64"



C163 22" x 64" C150 22" x 64"



C-SLR C147 C149 C164 C165 C152 8" × 64" 8" x 64" 8" × 64" 8" x 64"  $8'' \times 64''$ 

MASTERGRAIN 23 💋



1200

### **DECORATOR SERIES**

FIR

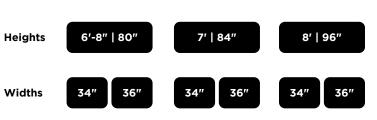


F800 / F801



F822 / F862

#### SIZING



SDL bars available in  $3-\frac{1}{2}$ " and  $5-\frac{1}{8}$ " widths.



F823 / F863



F824 / F864



F825 / F865



F826 / F866



F827 / F867



F828 / F868







### DECORATOR SERIES

FIR

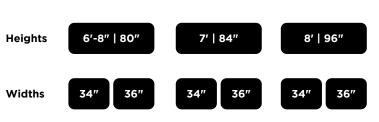




F800-G / F801-G

F822-G / F862-G

#### SIZING



SDL bars available in  $3-\frac{1}{2}$ " and  $5-\frac{1}{8}$ " widths.



F823-G / F863-G



F824-G / F864-G



F825-G / F865-G



F826-G / F866-G





F828-G / F868-G



F829-G / F869-G

# craftsman

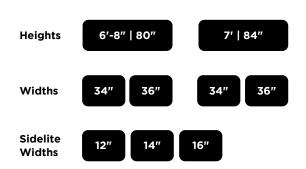




**F302** 23-<sup>3/</sup>4" × 15"

**F303** 23-<sup>3</sup>/4" × 15"

#### SIZING



Fir frames are flush fit. Integrated dentil shelf optional.



**F304** 23-<sup>3/</sup>4" x 15"



**F305** 23-<sup>3/</sup>4" x 15"



23-<sup>3</sup>/4" × 15"





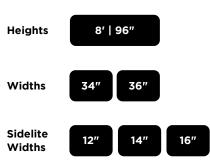


F351 23-<sup>3</sup>/4" x 19-<sup>1</sup>/4"



F352 23-<sup>3</sup>/4" x 19-<sup>1</sup>/4"

#### SIZING



Fir frames are flush fit. Integrated dentil shelf optional.



F353 23-<sup>3</sup>/4" x 19-<sup>1</sup>/4"



F354 23-<sup>3</sup>/4" x 19-<sup>1</sup>/4"



23-<sup>3</sup>/4" x 19-<sup>1</sup>/4"



MASTERGRAIN 29 💋



### CRAFTSMAN

### FIR





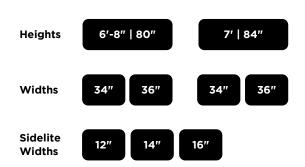
F308 23-<sup>3</sup>/4" x 15"

F310 23-<sup>3</sup>/4" x 15"



F311  $23-^{3}/4'' \times 15''$ 

#### SIZING



Fir frames are flush fit. Integrated dentil shelf optional.



F312 23-<sup>3/</sup>4" x 15"



23-<sup>3/</sup>4" x 15"



F320 8" x 15"







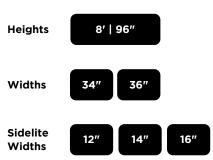
F356 23-<sup>3</sup>/4" x 19-<sup>1</sup>/8"

F357 23-<sup>3</sup>/4" x 19-<sup>1</sup>/8"



F358 23-<sup>3</sup>/4" x 19-<sup>1</sup>/8"

#### SIZING



Fir frames are flush fit. Integrated dentil shelf optional.



F359 23-<sup>3</sup>/4" x 19-<sup>1</sup>/8"



F360 23-<sup>3</sup>/4" x 19-<sup>1</sup>/8"



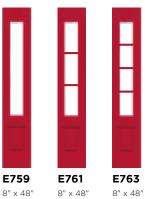




# EDGE SMOOTH









22" x 64"

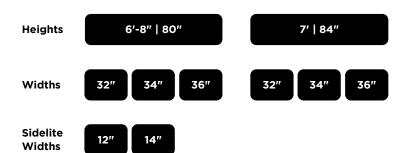


 E767
 E769
 E771

 8" × 64"
 8" × 64"
 8" × 64"

#### SIZING

22" × 64"



22" x 64"

MASTERGRAIN 33 💋

# EDGE SMOOTH







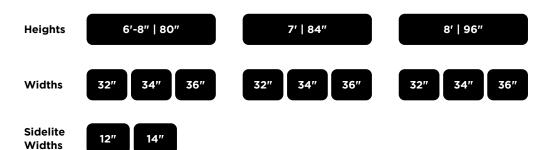
**E782** 8" x 64"

 E783
 E785
 E787

 22" × 80"
 22" × 80"



SIZING

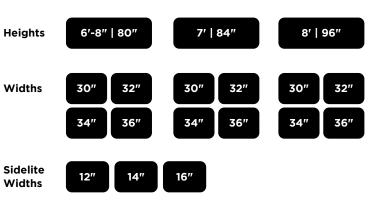




# EDGE SMOOTH



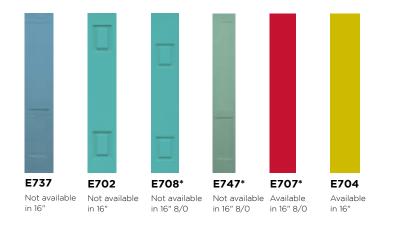
#### SIZING



 $2\text{-}^{1\!/_4\!\prime\prime}$  slab thickness available for 8' doors without glass\*

<sup>†</sup>Only available for 36" x 8'

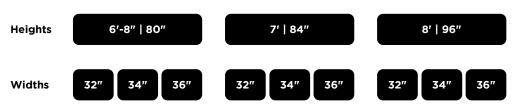




\*Only available in 8' height

# EDGE SMOOTH

#### SIZING

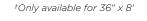


2-1/4" slab thickness available for 8' doors without glass\*



22" x 3-<sup>1</sup>/2"

22" x 3-<sup>1</sup>/2"





\*Not available in 8' height



28" x 80"

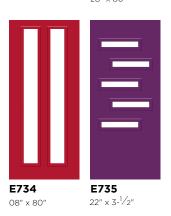


SIZING



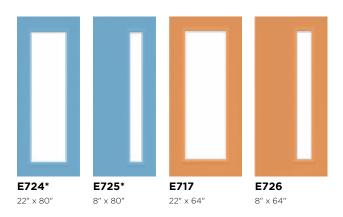
doors without glass<sup>†</sup>

<sup>†</sup>Only available for 36" x 8'



36 MASTERGRAIN

 $\overline{}$ 







\*Only available in 8' height \*\*Only available in 42" width x 8' height

#### SIZING

Heights	6'-8"   80"	7'   84"	8'   96"
Widths	32" 34" 36"	32" 34" 36"	32" 34" 36" 42"
Sidelite Widths	12" 14" 16"		

MASTERGRAIN 37 💋

### **DECORATOR SERIES**

## EDGE SMOOTH











E862-E

E869-E

<b>C</b>	 	~
2	IN	G



SDL bars available in  $3^{-1/2}$ " and  $5^{-1/8}$ " widths.









### CRAFTSMAN

# EDGE SMOOTH

#### **NO DENTIL SHELF**









23-<sup>3/</sup>4" x 15"



E731 23-<sup>3</sup>/4" x 15"

23-<sup>3</sup>/4" x 15"

23-<sup>3/</sup>4" x 15"

23-<sup>3</sup>/4" x 15"

### WITH DENTIL SHELF





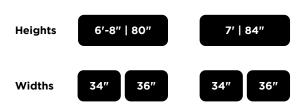


23-<sup>3</sup>/4" x 15"



23-<sup>3</sup>/4" x 15"

\*Not available in 30" or 32"



### SHAKER

## EDGE SMOOTH

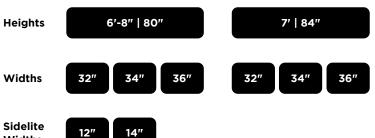








#### SIZING



Widths

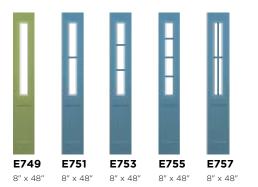
E748

 $\overline{}$ 

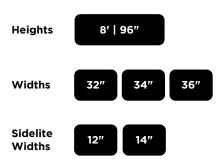
22" x 48"

14″





### SIZING

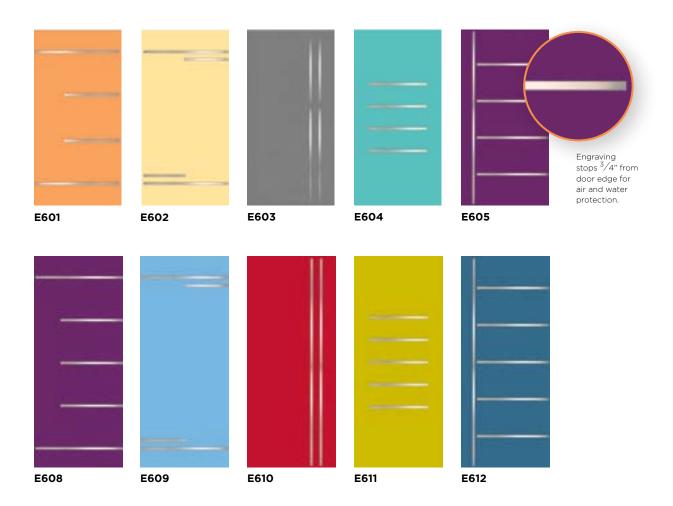


40 MASTERGRAIN

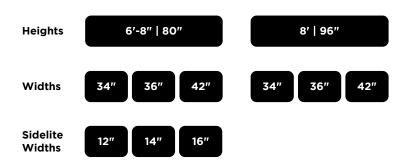
### **STAINLESS INLAY**

### EDGE SMOOTH





#### SIZING



.175" skin thickness

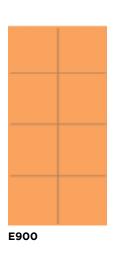
2–1/4" slab thickness available for 8' doors without glass  $^{\rm t}$ 

<sup>†</sup>Only available for 36" x 8'



# EDGE SMOOTH











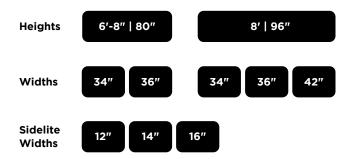
E904 Available in 32"



32"

E50 E51 E53 E54 E54 Aulable in 27

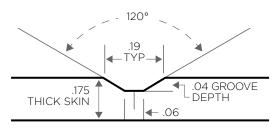
SIZING



 $2\text{-}^{3}\!/4''$  slab thickness available for 8' doors without glass^t

<sup>†</sup>Only available for 36" x 8'

#### **ENGRAVED PROFILE**



MASTERGRAIN 43 🌌



### CLASSIC MAHOGANY





M252 22" × 11"

22" × 11"



M264 22" x 48"



22" x 48"



22" × 48"

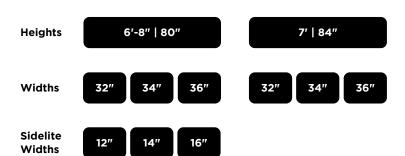


M254 22" × 64"

M278 M256 M257 22" × 64" 22" x 64" 22" x 64"







### CLASSIC MAHOGANY



22" x 48"



22" x 48"



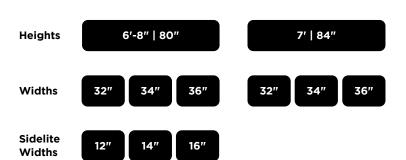
22" x 48"



M274 22" × 48"



### SIZING



7/2 46 MASTERGRAIN





M250 22" × 36"

M277 22" x 36"

M259 22" × 36"



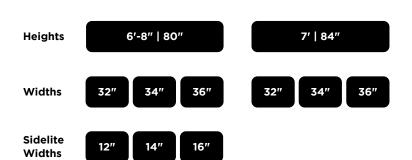
M260 22" x 36"



22" x 64"

M248







### CLASSIC OAK





0292





8" x 42"

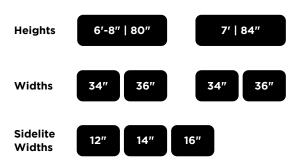
**02/9** 8" x 64"



**O285** 8" x 64"



**O288** 8" × 64"



### CLASSIC OAK





0282 22" × 11"

22" × 11"



0280 22" x 36"

O318

22" × 36"



0289 22" × 36"





22" x 36"

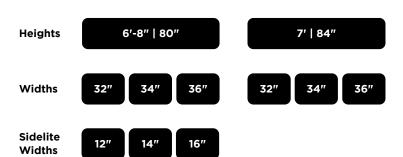


0278 22" x 64"









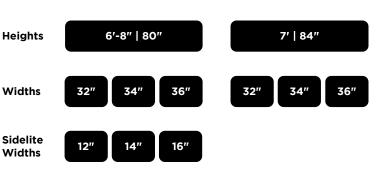


0309

O318

22" x 64"

#### SIZING



O312 O310 O313 0314 O319 O316 O317 14" x 37" 22" x 48" 22" × 48"

O-SL 0279 0295 0300 0303  $8'' \times 64''$  $8'' \times 48''$  $8'' \times 48''$  $8'' \times 48''$   $22''\times48''$ 

O315

8" x 48"

22" x 48"

22" x 48"



22" × 48"

### CLASSIC OAK



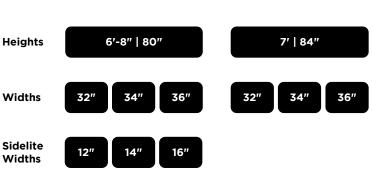


**O296** 22" x 48"

0297

22" × 48"





 O298
 O299
 O301
 O321
 O304
 O305

 14" x 37"
 22" x 48"
 22" x 48"
 22" x 48"
 22" x 48"
 22" x 48"



52 MASTERGRAIN

### RUSTIC KNOTTY ALDER









22" x 36"

**KA161** 22" x 36"



**KA162** 22" × 36"



**KA179** 22" x 64"

KA175

22" × 64"





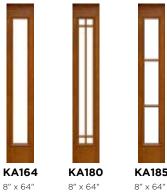


**KAI//** 22" x 64"



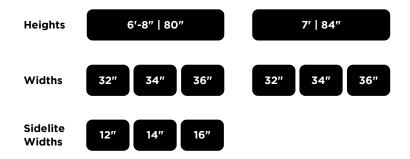








SIZING



8" x 36"



### RUSTIC **KNOTTY ALDER**









KA170 22" x 48"

22" × 48"

22" x 48"

#### SIZING



36″

2–1/4" slab thickness available for 8' doors without glass<sup>+</sup>

<sup>†</sup>Only available for 36" x 8'



22" x 48"



KA173

22" x 48"



 $22'' \times 48''$ 



8" x 48"

22" x 48"

KA187  $8'' \times 48''$ 







8550 Keele Street Concord, Ontario L4K 2N2 1-800-782-0559



### www.MasterGrain.com



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