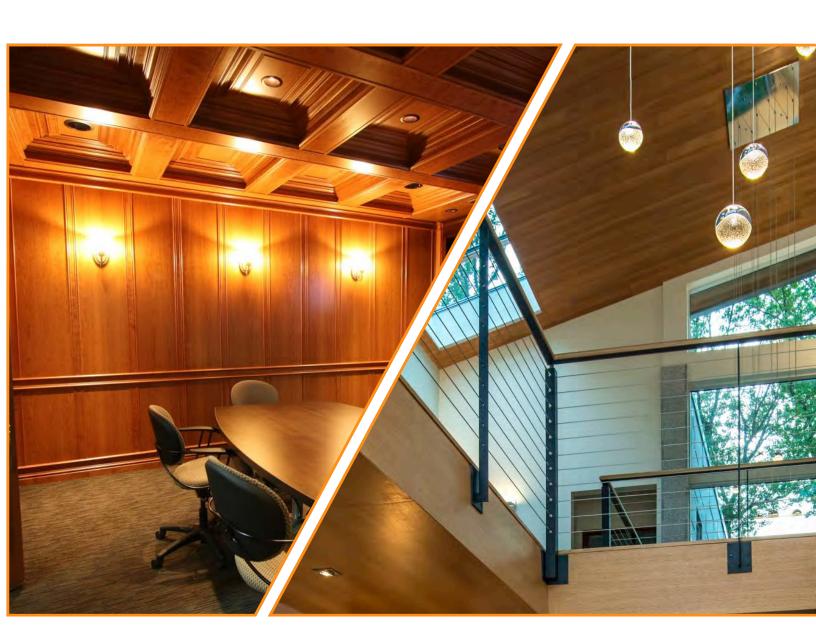


MORE THAN LUMBER® MILLARD LUMBER



# MOULDINGS

MAPLE • OAK • POPLAR • WHITE PINE MDF • DOORS • STAIR PARTS

### MILLARD LUMBER Inc.

Since Millard Lumber Inc. opened in 1948, it has grown to one of the largest independently owned facilities in the Midwest. With a strong commitment to quality and customer service, we are pleased to offer our millwork products in this brochure.

The products shown in this brochure are a small sampling of our broad capability. We have the facilities to prehang doors, assemble windows and manufacture specialty and custom products to your specifications and needs. If you would like more information about any product or service in this brochure, or if you have a project that needs special attention, please contact us. At Millard Lumber, it is our job to help you with yours!

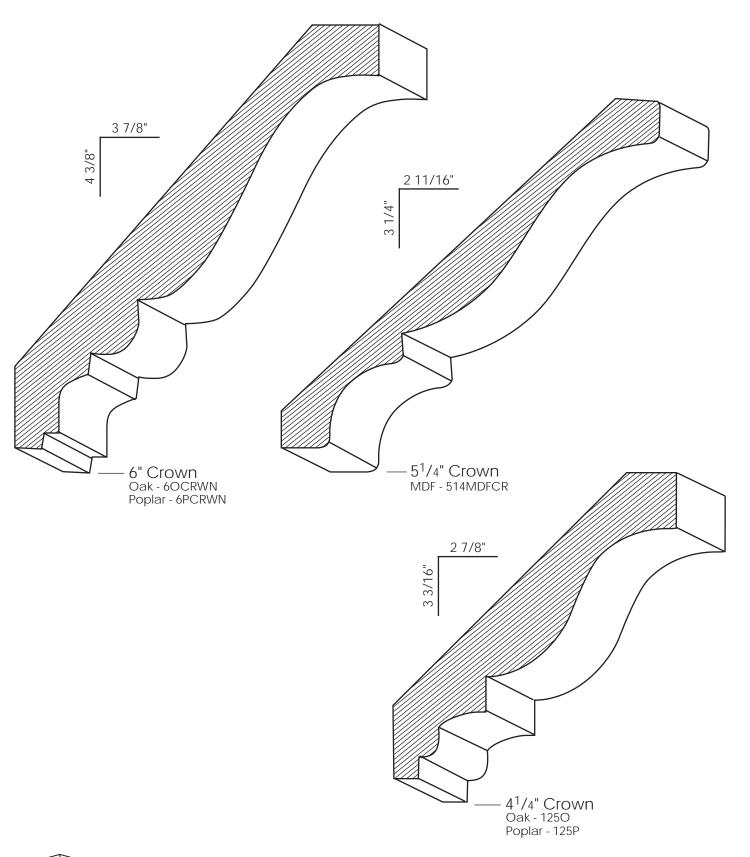
#### Mission Statement

The employees, supervisors and management of Millard Lumber Inc. work together as a team in a mutually dignified manner to profitably provide quality building materials and services which consistently exceed the expectations of our Customers.

### TABLE OF CONTENTS

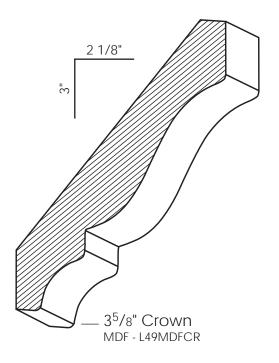
Crown	2 - 3
Casing	4 - 6
Base	6 - 8
Bed Mould	9
Chair Rail	9
Base & Corner Blocks	9
Stop	10
Cove	10
Lattice/Mull Center	10
Panel Mould & Cap	11
Outside Corner	11
Base Shoe	12
Quarter Round	12
Miscellaneous	- 13
Exterior	
Moulding & Door Frame	13
Interior Jambs	- 15
Interior Door Handing	16
Pocket Door Frame	
Interior Doors.	18
Doors	
Stair Parts	
New Stair Parts - Now in Stock	
Wrought Iron	
Oak23	- 24
Maple	
Poplar	
Miscellaneous	
Skylights	28
Louvers	
Behavior of Wood Products	- 31
Millwork Product Guidelines	
Door Chart	
Policies.	
Index	
Stair Parts Worksheet	
Notes	37

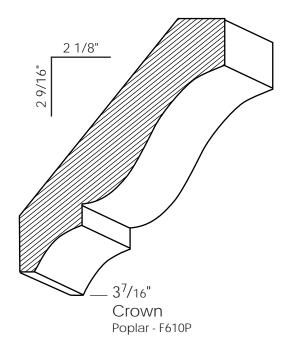
# CROWN

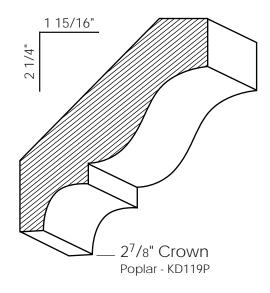


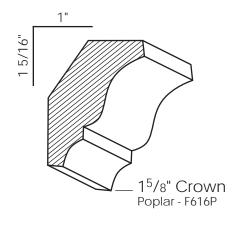


### CROWN

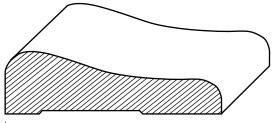




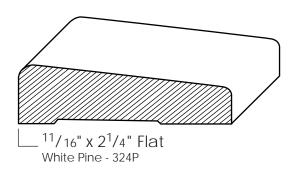


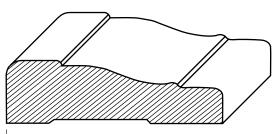


### CASING

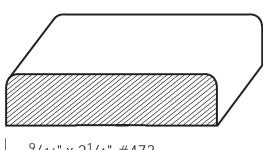


\_\_ 11/16" x 21/4" Moulded Oval White Pine - 321P

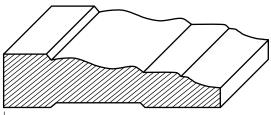




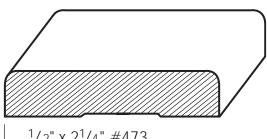
\_\_11/16" x 21/4" Heritage Primed MDF - 356PRM Primed Clay Coat - CC356 White Pine - 356P



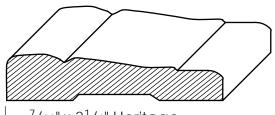
\_\_\_ <sup>9</sup>/16" x 2<sup>1</sup>/4" #473 MDF - L473EMDF



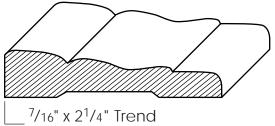
. <sup>9</sup>/16" x 2<sup>1</sup>/4" Heritage Oak - 1110 Poplar - 111P



1/2" x 2<sup>1</sup>/4" #473 Poplar - 473P

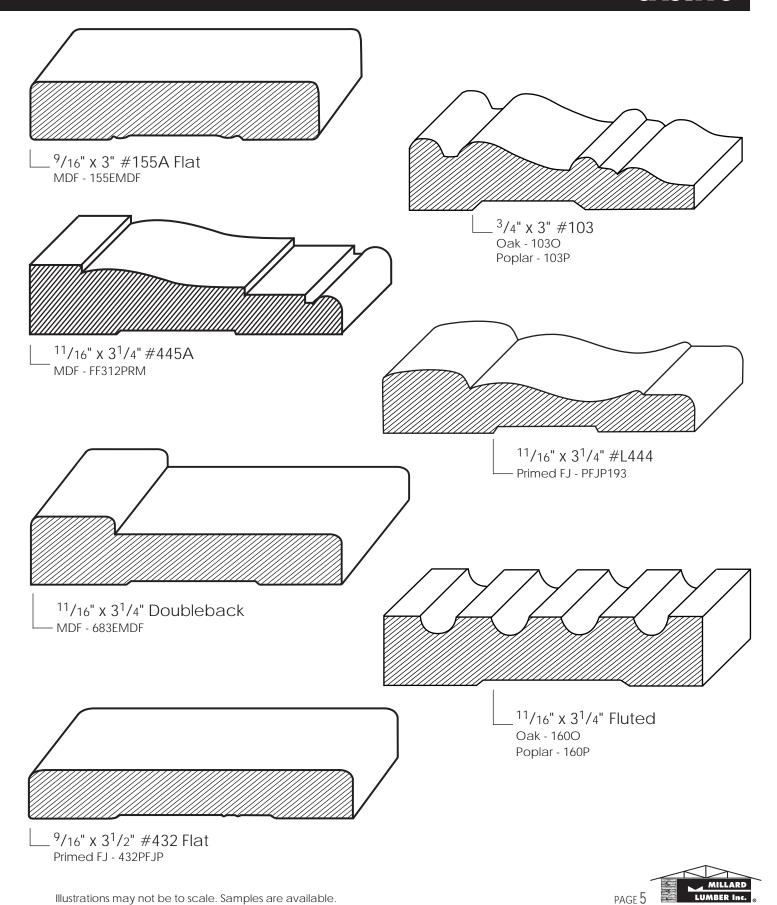


<sup>7</sup>/16" x 2<sup>1</sup>/4" Heritage Bright White - 115BW Chesapeake Oak - 115CP



Oak - 1150 Poplar - 115P

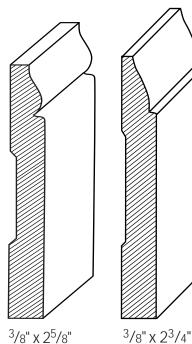
### CASING



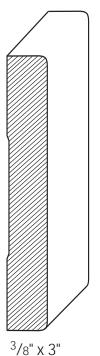
### CASING/BASE

> \_ <sup>9</sup>/16" x 3<sup>1</sup>/2" Flat Poplar - POPSQCSG

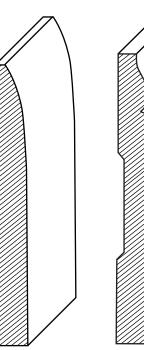
Base \_\_\_



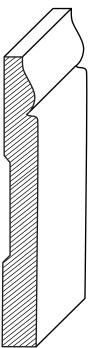




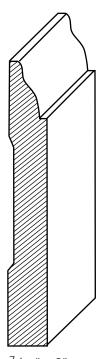
#433 Poplar - 433P



<sup>3</sup>/8" x 3" Oval Oak - 724O3 White Pine (7/16°) 724P3



<sup>3</sup>/8" x 3" #2503 Oak - 2503O Poplar - 2503P

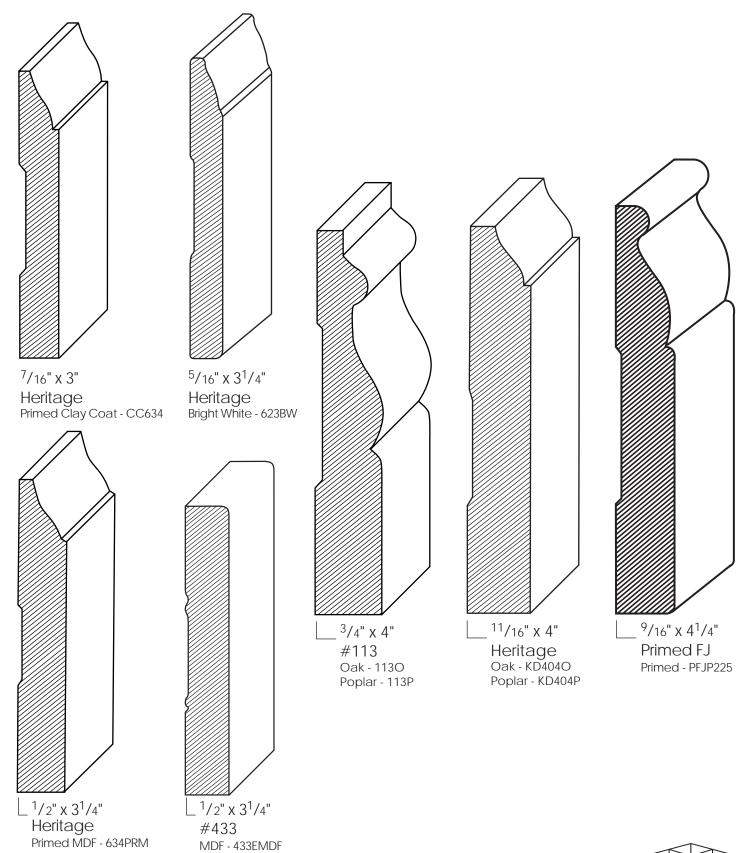


<sup>7</sup>/<sub>16</sub>" x 3" Heritage White Pine - 634P

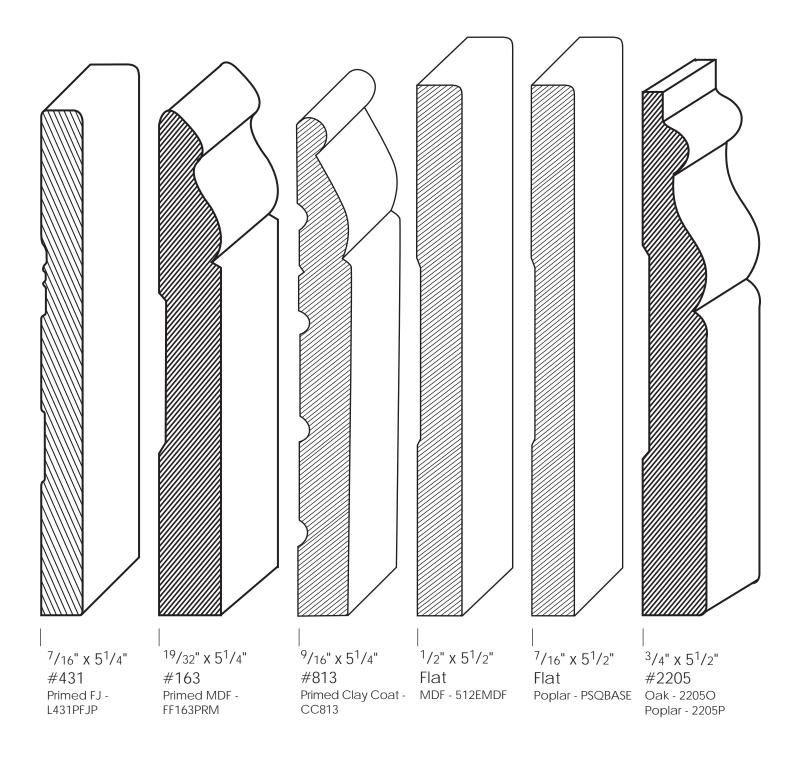
#2502

Oak - 2502O

Poplar - 2502P



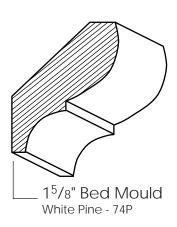
### BASE

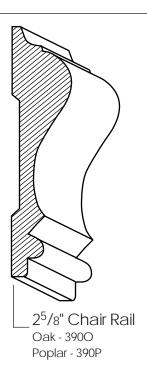


### BED MOULD / CHAIR RAIL / BASE & CORNER BLOCKS

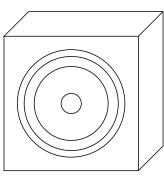
### Bed Mould \_\_\_\_\_

### Chair Rail



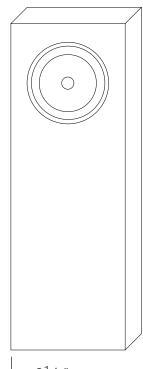


### Base & Corner Blocks



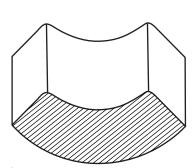
\_ 3<sup>1</sup>/2" x 3<sup>1</sup>/2" x 1<sup>1</sup>/16" Corner Block w/Rosette Oak - 312OAKCB Poplar - 312POPCB

Also Available In: 2<sup>9</sup>/16" x 2<sup>9</sup>/16" x <sup>7</sup>/8" Corner Block w/Rosette Oak - 212OAKCB Poplar - 212POPCB



- 3<sup>1</sup>/2" Base Block w/Rosette Oak - 3120AKBB

Poplar - 312POPBB

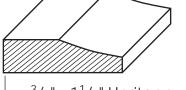


6"Radius OS Corner Block Oak - 900AKBB6 Poplar - 90POPBB6

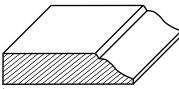
Other styles available. Ask your sales associate for samples or see selections at your Millard Lumber location.

### STOP/COVE/LATTICE

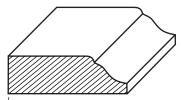
Stop\_



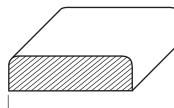
- <sup>3</sup>/8" x 1<sup>1</sup>/4" Heritage Bright White (11/32") - 306BW7 Chesapeake Oak - 306CP7, 7' only



\_ <sup>3</sup>/8" x 1<sup>1</sup>/4" Heritage Primed - 946FJPR7, 7' only White Pine - 946P Primed FJ - FJPRSTP7, 7' only



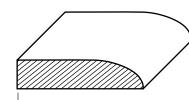
<sup>7</sup>/16" x 1<sup>1</sup>/4" Heritage Maple - 306M Oak - 306O Poplar - 306P



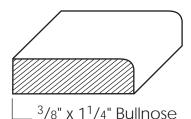
3/8" x 1<sup>1</sup>/4" Double Bullnose

Oak - MS11OAK Poplar - MS11POP Primed MDF - 887M

Primed MDF - 887MDF7, 7' only White Pine - 887P



<sup>3</sup>/8" x 1<sup>1</sup>/4" Oval White Pine - 256P

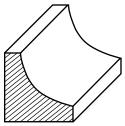


Oak - 305O

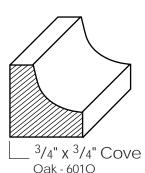
<sup>5</sup>/8" x 1<sup>3</sup>/8" Glass Stop White Pine - 876P58

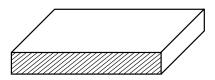
Cove.

### Lattice/Mull Center\_



- <sup>11</sup>/16" x <sup>11</sup>/16" Cove Poplar - 601P White Pine - 100P





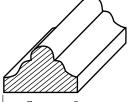
	— Sizes Availar	ole ———
OAK	1 <sub>/4</sub> " x 3"	500JO
OAK	1/4" x 1- <sup>3</sup> /4"	500CO
OAK	1/4" x 4"	40AKMULL
PINE	<sup>1</sup> /4" x 1- <sup>1</sup> /8"	268P
PINE	1/4" x 1- <sup>3</sup> /8"	267P
PINE	1/4" x 1- <sup>3</sup> /4"	265P
PINE	1/4" x 2-1/4"	970P
PINE	1/4" x 4"	970P4



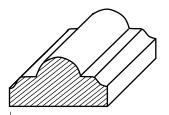
### PANEL MOULD & CAP/OUTSIDE CORNER

### Panel Mould & Cap \_\_\_\_\_

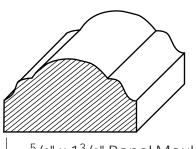




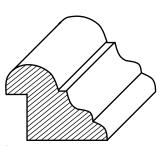
<sup>7</sup>/16" x <sup>3</sup>/4" Panel Mould Maple - 100M Oak - M100O Poplar - M100P



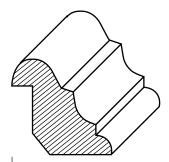
1/2" x 1" Panel Mould
 Maple - M101M
 Oak - M101O
 Poplar - M101P



<sup>5</sup>/8" x 1<sup>3</sup>/8" Panel Mould Maple - M102M Oak - M102O Poplar - M102P

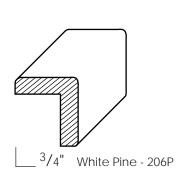


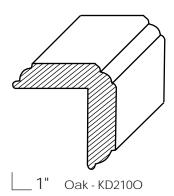
\_ <sup>1</sup>/2" x 1<sup>3</sup>/8" Panel Mould Maple - KD110M Oak - KD110O Poplar - KD110P

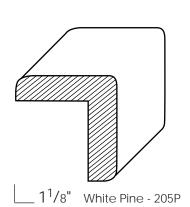


— <sup>3</sup>/4" x 1<sup>3</sup>/8" Panel Mould Maple - KD111M Oak - KD111O Poplar - KD111P

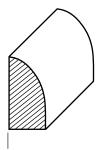
### Outside Corner \_\_\_\_\_



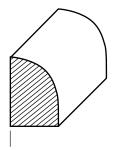




### **MISCELLANEOUS**

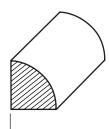


<sup>1</sup>/<sub>2</sub>" x <sup>3</sup>/<sub>4</sub>" Base Shoe Bright White - 200BW Chesapeake Oak-200CP White Pine - 126P Primed FJ - 106PRM

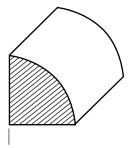


Poplar - 200P

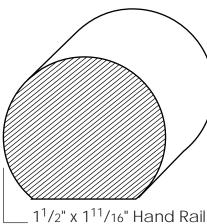
<sup>1</sup>/<sub>2</sub>" x <sup>11</sup>/<sub>16</sub>" Base Shoe Maple - 200M Oak - 2000



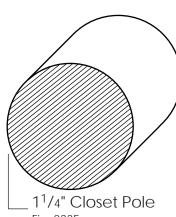
<sup>1</sup>/<sub>2</sub>" Quarter Round White Pine - 108P



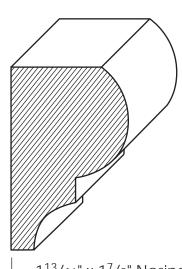
<sup>11</sup>/<sub>16</sub>" Quarter Round White Pine - 105P



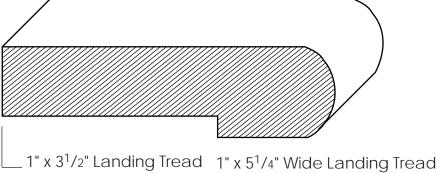
1<sup>1</sup>/<sub>2</sub>" x 1<sup>11</sup>/<sub>16</sub>" Hand Rail Fir - 231F



Fir - 233F

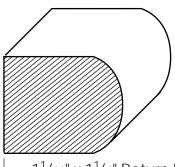


1<sup>13</sup>/<sub>16</sub>" x 1<sup>7</sup>/<sub>8</sub>" Nosing + Cove Maple - 201M Oak - 2010 Poplar - 201P



Maple - LTMAPLE Oak - LTOAK

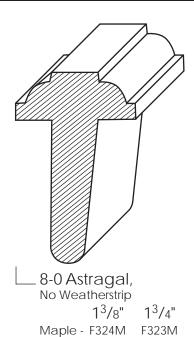
Maple - WLTMAPLE Oak - WLTOAK



1<sup>1</sup>/<sub>16</sub>" x 1<sup>1</sup>/<sub>4</sub>" Return Nosing Oak - RNOAK



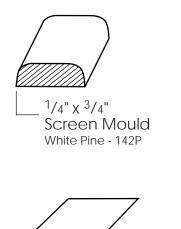
### **MISCELLANEOUS**



Oak - F324O

Poplar - F324P

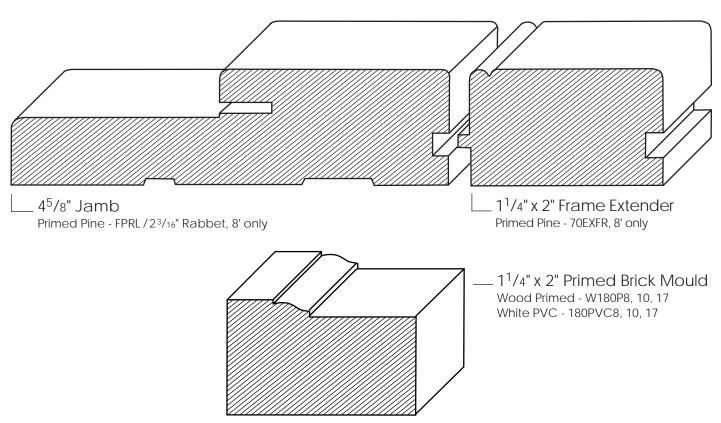
3/4"
Doorlite Saddle Mould
Maple - DMMAPLE
Oak - DMOAK





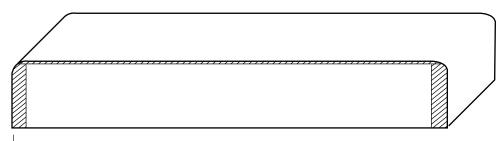
Exterior: Moulding & Door Frame -

F323O



### **INTERIOR JAMBS**

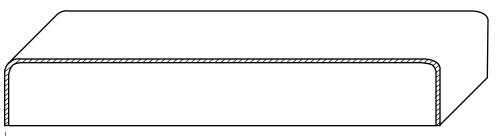
### Premium Interior Veneer Jambs



Veneer Face w/Hardwood Edge, Particle Board Core (Premium)

SPECIES	4 <sup>9</sup> /16" x 6'-8"	4 <sup>9</sup> /16" x 81 <sup>3</sup> /8"	4 <sup>9</sup> /16" x 7'-0"	4 <sup>9</sup> /16" x 8'-0"	4 <sup>13</sup> /16" x 6'-8"	4 <sup>7</sup> /8" x 7'-0"	6 <sup>9</sup> /16" x 7'-0"
OAK	PJOV68	PJOV68LI	PJOV70	PJOV80	PJOVW68	PJOVW70	PJOV7OL
BIRCH		PJBV68LI	JB70			JBW70	P6J8V70
POPLAR				PJPOP80			
MAPLE		PJM68					

### Standard Interior Veneer Jambs



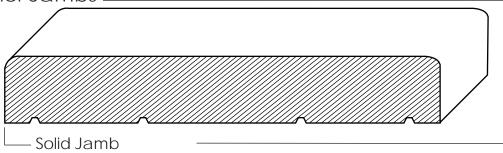
- Veneer Face w/Veneer Edge, Particle Board Core

SPECIES	4 <sup>9</sup> /16" x 81"	4 <sup>9</sup> /16" x 81 <sup>3</sup> /8"	4 <sup>13</sup> /16" x 81"
OAK	JOV68		
POPLAR	JPOP68	JPOP68L	JPOP68W



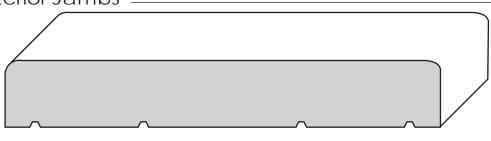
### **INTERIOR JAMBS**

Solid Interior Jambs \_



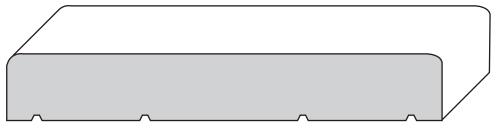
SPECIES	4 <sup>9</sup> /16" x 8'-0"	5 <sup>1</sup> /4" x 8'-0"
OAK	JO80	JO80W
POPLAR	JP80	JP80W

Primed Interior Jambs \_\_\_\_\_



SPECIES	4 <sup>9</sup> /16" x 6'-8"	4 <sup>9</sup> /16" x 81 <sup>3</sup> /8"	4 <sup>9</sup> /16" x 8'-0"	4 <sup>13</sup> /16" x 81 <sup>3</sup> /8"
POPLAR FJ	FJPR68		FJPR80	
MDF		JPRM68		JPRM68W

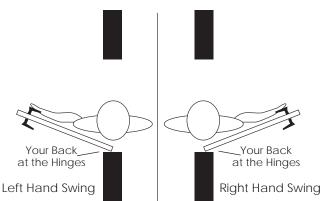
Embossed Interior Jambs \_\_\_\_\_



SPECIES	4 <sup>9</sup> /16" x 81 <sup>3</sup> /8"	4 <sup>13</sup> /16" x 81 <sup>3</sup> /8"
BRIGHT WHITE	JBW68	JBW68W
CHESAPEAKE OA	JCP68	JCP68W

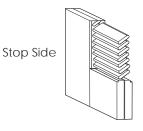
### INTERIOR DOOR HANDING

### Handing for Single Doors

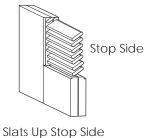


# If you stand in the doorway with your back to the hinges, the direction the door opens is the handing.

### **Louvered Doors**



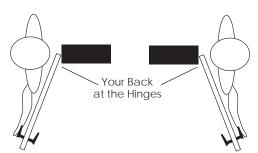
Slats Down Stop Side (SDSS)



Slats Up Stop Side (SUSS)

### Handing for Double & French Doors with Astragal







If you stand in the doorway with your back to the hinges, the direction the door opens is the handing.

#### We Offer:

Prehang Interior Doors (Single Door, Double Door, Bi-pass Door, Dutch Door)
Prehang Exterior Doors (Single Door, Double Door, Sidelights, Transoms)
Machine to Match Doors • Custom Door and Frame Sizing • Commercial Frame and Hardware Prep
Cut Out (For Glass and Panel Inserts) • Licensed Fire Door Machining

### Stock 5/8" Radius Hinges & Finishes

#### 3<sup>1</sup>/<sub>2</sub>" x 3<sup>1</sup>/<sub>2</sub>" Plain Bearing

US1D - Satin Black US3 - Bright Brass

US5 - Antique Brass

US10R - Oil Rubbed Bronze

US15A - Antique Nickel

US26 - Bright Chrome

US2CD - Brushed Zinc

US2D - Brasstone Dichromate

USP - Primed Paint

### 4" x 4" Plain Bearing

US1D - Satin Black

US3 - Bright Brass

US5 - Antique Brass

US10R - Oil Rubbed Bronze

US15A - Antique Nickel

US26 - Bright Chrome

US4 - Satin Brass

US15 - Satin Nickel

US26D - Dull Chrome

### $3^{1}/2$ " x $3^{1}/2$ " & 4" x 4" Ball Bearing

US10R - Oil Rubbed Bronze

US15 - Satin Nickel



### **POCKET DOOR FRAME**

#### Series 1500

Pocket Door Frame Kit /The Space Saver





Series 1500 Sizes - Pocket Door Frame Kit

A versatile frame that can be adapted for use in non-standard wall thicknesses, block masonry walls and can be cut down to accept any smaller door size. Uses same Converging Kits as Series 2711 frames

- 6' 8" 153068PF
- 7' 0" 153070PF
- 8' 0" 153080PF

Replacement Hardware - 202584

All frames come knocked down.

#### Series 1500 - Soft-Close Pocket Door Frame Kit

Makes your sliding doors soft close quietly and securely. Prevents door slamming or pinched fingers between door and jamb.

• 6' - 8" 153068SC



#### Pocket Door Frame Parts & Accessories







No. 100 Track

No. 111 Track





No. 1120 Tricycle Hangers (1" Diameter Wheels) 1500HNGR



No. 1513 Sliding Door Bumper



No. 1712 Adjustment Wrench



No. 1550 Jamb Mount Pocket **Door Guide Set** 



No. 1555 Converging Door Kit For joining 2 Pocket Door Frames 202517



No. 1575 Adaptor Kit Use with 1-3/4" thick doors **ADAPKIT** 



Illustrations may not be to scale.

### **INTERIOR DOORS**

### Wood, Stile & Rail



**6-Panel Oak** Unfinished



**6-Panel Poplar** Unfinished



Pine Full Louver Unfinished



15 Lite Oak Unfinished (2-0 doors are 10 Lite)



15 Lite Poplar Unfinished (2-0 doors are 10 Lite)

Moulded \_\_\_\_



One Lite Poplar Unfinished (3-0 only)

### Flush



Flush Hardboard Primed Smooth



Flush Birch Unfinished



Flush Oak Unfinished



Chesapeake Oak Prefinished Embossed



**1-Panel**Primed Shaker
Style



**2-Panel** Primed Shaker Style

### Moulded



**3-Panel**Primed Shaker
Style



**2-Panel Roman**Primed Smooth



**2-Panel Square Top**Primed Smooth



**2-Panel**Primed Smooth
Plank



**3-Equal Panel Craftsman**Primed Smooth



**5-Panel Craftsman**Primed Flat Panel



6-Panel
PF White Textured
Primed Smooth
Primed Textured





The number one entry door brand in the United States among building professionals.

Your front entryway is one of the biggest style statements your home can make. So, whether you're building new or remodeling, you want to feel confident you've selected the perfect style for you. Let Millard Lumber help guide you in designing your new door. Go to <a href="Itema-Tru/Centremark Door Catalog">Itema-Tru/Centremark Door Catalog</a> to see a full line catalog.









Andersen storm and screen doors are built with the quality and craftsmanship that you expect, with a wide array of styles options to enhance your entryway and complement your home. Andersen designs their storm and screen doors to make your life easier with styles, options and features to fit your needs. Ask your Millard Lumber representative for details, availability and installation! Go to <u>andersenwindows.com</u> to see a full line of Andersen products.









## **STAIRS**

# L.J. Smith stair systems

Selecting the style for your stairway should be simple, not complicated. Millard Lumber can make this process very easy by checking out our beautiful stair part display in our showrooms. As you will see, we offer a very wide variety of styles from which to choose – from wood to wrought iron to stainless steel. Shown in this catalog is what Millard Lumber stocks but our special-order capabilities are endless.







### **NEW STAIR PARTS - NOW IN STOCK!**



### Iron and Square Balusters \_\_\_\_\_

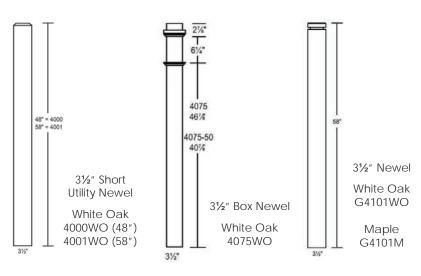
#### Hollow Iron Hollow Iron 1/2" x 44" 1/2" x 44" Low Sheen Black Low Sheen Black Square 166144LSB 166344LSB 1¼" x 42" Matte Nickel Matte Nickel White Oak 166144N 166344N 506042WO

### Shoes

Baluster Flat Shoe For 9/16" or 1/2" Square Iron Balusters Low Sheen Black 301LSB Baluster Flat Shoe For 3/4" Square Iron Balusters Low Sheen Black 34FLAT

Baluster Flat Shoe For 3/4" Square Iron Balusters Low Sheen Black 34BAL Baluster
Pitch Shoe
For 3/4"
Square Iron Balusters
Low Sheen Black
34RAKE

### Newels



### Handrails \_\_\_\_\_

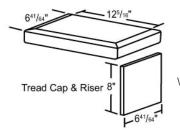


25/6" Traditional Unplowed Handrail in Maple 684M 25/6" Traditional Unplowed Handrail in White Oak 684WO



2<sup>1</sup>/<sub>4</sub>" Traditional Unplowed Handrail in White Oak 6102WO

### Miscellaneous



Craftsman
Double Mitered
Return Kit with Riser
White Oak - CS8279WO

### Accessories Available \_\_\_\_\_



Iron Baluster Fastener
1/2" Hollow Square Balusters
CONCFAST



Low Sheen Black Tube 5/8" x 8' M00858LSB



Newel Attaching Hardware

3½" Newel Attachment Kit with Craftsman Trim

Maple / NAHRM35C White Oak / NAHRWO35C



Illustrations may not be to scale. Samples are available.

### STAIR PARTS: WROUGHT IRON



#### Hollow Iron:

Smooth finishes. Flowing lines. Dramatic details. L.J. Smith's iron baluster collection draws from old world and contemporary design to enhance the style of your home. Available in a variety of finishes, let L.J. Smith's iron adorn your home project.

### Iron Balusters

Plain Smooth Black Hollow Iron 1/2" x 1/2" x 44" Satin Black 701LSB

701ORC

Single Twist Smooth Hollow Iron 1/2" x 1/2" x 44"

Satin Black 658LSB

Oil Rubbed Copper 658ORC Double Twist Smooth Hollow Iron 1/2" x 1/2" x 44"

> Satin Black 533LSB

Oil Rubbed Copper 533ORC Single Basket Double Twist Smooth Hollow Iron 1/2" x 1/2" x 44"

> Satin Black 482LSB

Oil Rubbed Copper 482ORC Double Basket Single Twist Smooth Hollow Iron 1/2" x 1/2" x 44"

> Satin Black 481LSB

Oil Rubbed Copper 481ORC

#### **Shoes & Knuckles**

Baluster Flat Shoe 1/2" Center Satin Black - 06LSB Oil Rubbed Copper - 06ORC Baluster Rake Shoe 1/2" Center Satin Black - 02LSB Oil Rubbed Copper - 02ORC

Knuckle
1/2" Square
Center
Satin Black - 01LSB
Oil Rubbed Copper - 01ORC

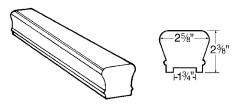
### **STAIR PARTS: OAK**

Handrail & Shoe Rail





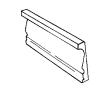
For use with 1 <sup>1</sup>/<sub>4</sub>" Balusters 2<sup>1</sup>/<sub>4</sub>" Traditional Unplowed Handrail F6010O 2<sup>1</sup>/<sub>4</sub>" Traditional Plowed 1 <sup>1</sup>/<sub>4</sub>" Handrail F6010PO 2<sup>1</sup>/<sub>4</sub>" Traditional Bending Handrail F6010BO



For use with 1 <sup>3</sup>/<sub>4</sub>" Balusters 2<sup>5</sup>/<sub>8</sub>" Classic Unplowed Handrail F62100 2<sup>5</sup>/<sub>8</sub>" Classic Plowed 1 <sup>3</sup>/<sub>4</sub>" Handrail F6210PO 2<sup>5</sup>/<sub>8</sub>" Classic Bending Handrail F6210BO



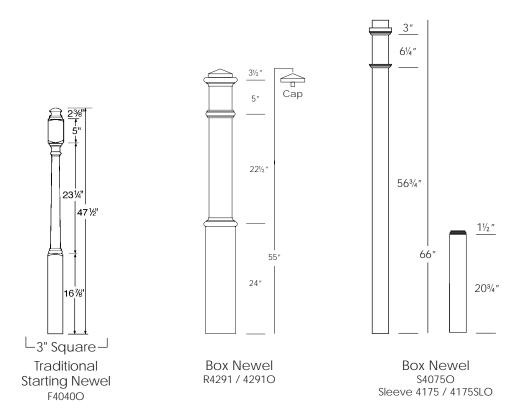
1<sup>3</sup>/<sub>4</sub>" x 1<sup>5</sup>/<sub>8</sub>" Handrail for Wall F6040O



Bending Moulding F6015O

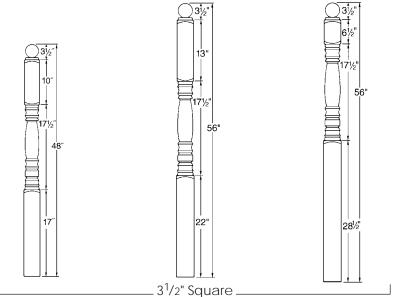
Newel

For Post to Post Installation



### **STAIR PARTS: OAK**

Newel \_\_\_\_\_\_ Baluster \_\_\_\_\_ For Post to Post Installation For Post to Post Installation

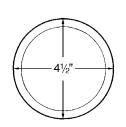


Hampton Starting Hampton Landing Hampton Landing Newel cs45030\* Newel F45050\* Newel F45010\*

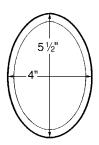
For use with
11/4" and 13/4" Plowed Handrail
38", 42" Traditional
Baluster 5060 / 5360
F5060380, F5060420
F5360380, F5360420

Rosettes \_\_\_

Shoe Rail

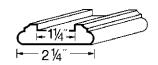


Oak Round Rosette
F73170

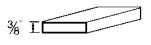


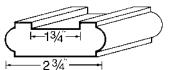
Oval Rosette
Oak F73370
Maple FM7037
Poplar F7037P





For use with 1 <sup>1</sup>/<sub>4</sub>" Balusters Plowed 1 <sup>1</sup>/<sub>4</sub>" Shoe Rail F60450





For use with 1 <sup>3</sup>/<sub>4</sub>" Balusters Plowed 1 <sup>3</sup>/<sub>4</sub>" Shoe Rail F6006O Fillet F6007O

### **STAIR PARTS: MAPLE**

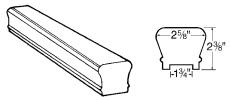
Handrail & Shoe Rail

Baluster \_\_\_\_\_\_
For Post to Post Installation

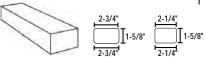




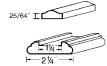
For use with 1  $^{1}$ /4" Balusters  $^{2^{1}}$ /4" Traditional Unplowed Handrail 6010 / F6010M  $^{2^{1}}$ /4" Traditional Plowed 1  $^{1}$ /4" Handrail 6010 / F6010PM  $^{2^{1}}$ /4" Traditional Bending Handrail 6010 / F6010MB



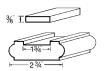
For use with 1 <sup>3</sup>/4" Balusters 2<sup>5</sup>/8" Classic Unplowed Handrail 6210 / F6210M 2<sup>5</sup>/8" Classic Plowed 1<sup>3</sup>/4" Handrail 6210 / F6210PM



Contemporary Unplowed Handrail 2 3/4" 6002 / CS6002M; 2 1/4" 6102 / CS6102M



For use with 1 1/4" Balusters Plowed 1 1/4" Shoe Rail 6045 / F6045M Fillet 6050 / F6050M

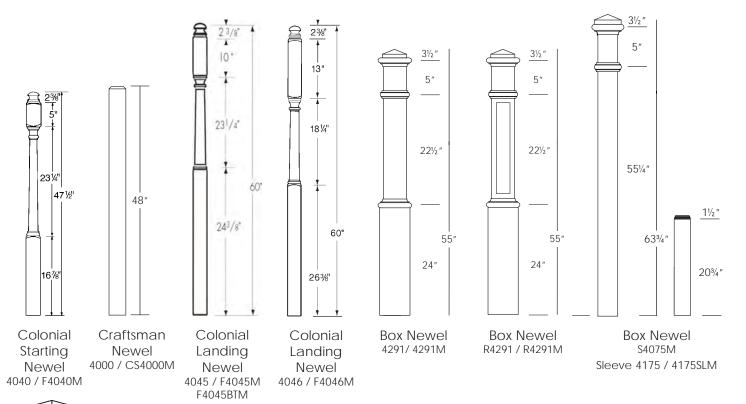


For use with 1 <sup>3</sup>/<sub>4</sub>" Balusters Plowed 1 <sup>3</sup>/<sub>4</sub>" Shoe Rail 6006 / F6006M Fillet 6007 / F6007M

For use with 1<sup>1</sup>/4" Plowed Handrail 42" Traditional F506042M

Newel -

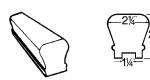
For Post to Post Installation



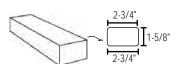


### **STAIR PARTS: POPLAR**

### Handrail & Shoe Rail



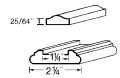
For use with 1 <sup>1</sup>/<sub>4</sub>" Balusters 2<sup>1</sup>/<sub>4</sub>" Traditional Unplowed Handrail F6010P 2<sup>1</sup>/<sub>4</sub>" Traditional Plowed 1 <sup>1</sup>/<sub>4</sub>" Handrail F6010PP



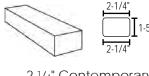
2 <sup>3</sup>/<sub>4</sub>" Contemporary Unplowed Handrail 6002 / CS6002P



Traditional Unplowed Handrail F6210P



For use with  $1^{1}/4^{\circ}$  Balusters Plowed  $1^{1}/4^{\circ}$  Shoe Rail F6045P

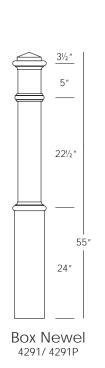


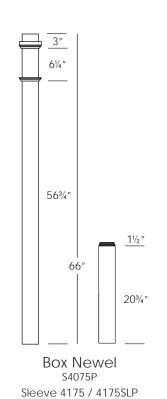
2 <sup>1</sup>/<sub>4</sub>" Contemporary Unplowed Handrail 6102 / CS6102P

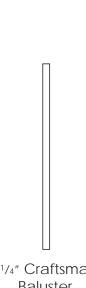


Plowed Handrail with Fillet

Newel & Baluster \_\_\_\_ For Post to Post Installation









11/4" Craftsman Baluster 38" - F506038P

38" - F506038P 42" - F506042P 13/4" Craftsman Baluster 38" - F536038P 42" - F536042P

### **STAIR PARTS: MISCELLANEOUS**

Miscellaneous \_\_\_\_\_

### Craftsman **Double Mitered** Return Kit with Riser Maple - CS8279M Poplar - CS8279P DETAIL Tread Cap with Mitered Return **Nosing and Cove** Maple - FM8071R/L Oak - FM8071OLH/RH **Tread Caps for Carpeted Stairs** Riser Cap Oak - F8076O

### Accessories Available \_\_\_\_\_

Rail Plugs F3000O/M Rail Bolt F3001

Rail Bracket

Antique Brass / 922643; Brass / 922642; Chrome / 929185 Matte Black / 925200; Oil Rubbed Bronze / 214921 Satin Nickel / 925164

#### **Risers**

#### Skirting

Lumbercore Maple / 11216ML

Lumbercore Oak / 11216OL; Maple Veneer / 11216MV Oak Veneer / 11216OV; Primed MDF / 11216MDF

#### Solid Oak Treads

48" / 48OAKTR; 96" / 96OAKTR

#### Double Mitered Return False Tread & Riser Kit

7-1/2" & 12-1/2" Maple / LJ8179M 7-1/2" & 13-1/2" Maple / LJ8279M

#### Riser Cap

1/2" x 6" x 8" Oak / F8076O

#### **Newel Post Fastener**

Sur-tite / 101MO; Keylock / NEWELPK

#### 2' Box Newel Base Moulding

Maple / CS3019M; Oak / CS3019O; Poplar / CS3019P

#### **Newel Attaching Hardware**

3" Maple / NAHRM3; Oak / NAHRO3

3-1/2" Maple / NAHRM35; Oak / NAHRO35;

Poplar / NAHPOP35

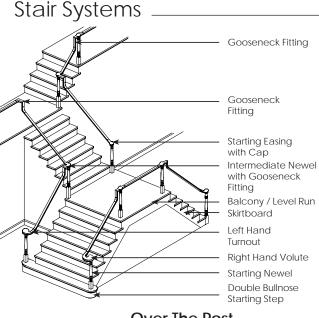
### Newel Mounting Plate Maple / 3006NPFM

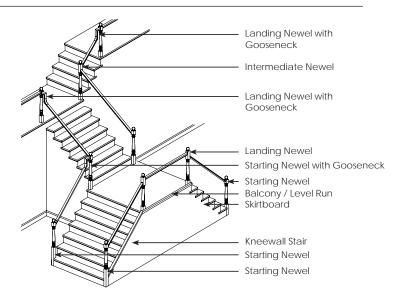
#### **Hardware & Tools**

Injector Gun / 3200IG

Fast Cure Epoxy / 3200EF; Injector Nozzle / 3200NZ

Epoxy Kit for Iron Balusters / EPOXYKIT





**Over The Post** 

Post-To-Post



### **SKYLIGHTS**



# Wasco Part of **ELUX**Commercial

### Self-Flashed Deck Mount Skylight

For use with thin roofing materials such as composition, slate, wood shingles and shakes up to 3/4" thick. Minimum Roof Pitch: 3" in 12". Not for vertical applications. Model EF.



\*NOTE: EV3046 Units - Specify 3046. First dimension is parallel to roof ridge.

Delivers more light per rough opening • Fast installation - no mastic, step flashing or sealants required. Venting or Fixed styles, in standard and custom sizes.

Up to 46% more daylight! - Offers a larger glass area by mounting flush with the rough opening in the roof.

Installs in 1/3 the time! - Our one-piece curb-frame/flashing design installs far more quickly, cutting a 90-minute installation to 30 minutes!\*\*

Energy Efficient - Our standard glazing meets Energy Star requirements for the entire U.S.A. PLUS Condensation control without weep holes for maximum energy efficiency.

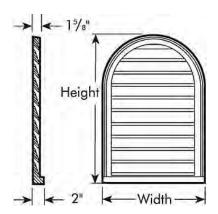
Leak Free 10-Year Warranty • More Savings



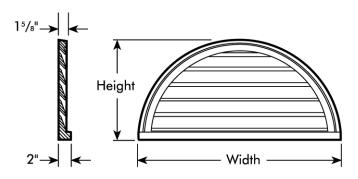
<sup>\*</sup>E-Class venting models, up to 22% more daylight with E-Class fixed models.

<sup>\*\*</sup>Compared to leading competitor.

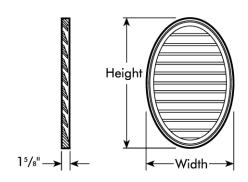
# **FYPON**



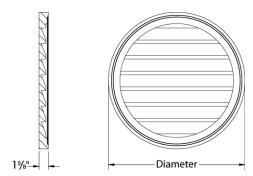
Cathedral Louver - 660312 18" x 30" with a vent area of 36 sq. in Functional



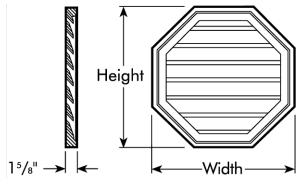
Half-Round Louver - 660622 36" x 18" with a vent area of 28 sq. in Functional



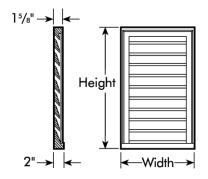
Oval Louver - 661104 24.5" x 37" with a vent area of 24 sq. in Functional



Round Louver - 661813
18" diameter with a vent area of 12 sq. in Functional



Octagon Louver - 661003 18" x 18" with a vent area of 14 sq. in Functional



Vertical Louver - 662029 18" x 30" with a vent area of 31 sq. in Functional



### **BEHAVIOR OF WOOD PRODUCTS**

Most complaints concerning hardwood products are related to changes in the moisture content of wood products. When moisture changes are severe, the result can be cracks, movement, cupping and/or buckling of the products. A combination of these results may be present.

The following moisture content map shows the average moisture contents in winter and summer by geographic areas. If wood products are installed in buildings along the Gulf Coast it can be expected to eventually acclimate between 11% and 13% moisture content. Wood products installed in the Western Rockies can be expected to eventually acclimate between 4% and 8% content. These moisture contents are based on the average seasonal conditions. Excessively dry or wet conditions can further influence the changing moisture content of wood products.

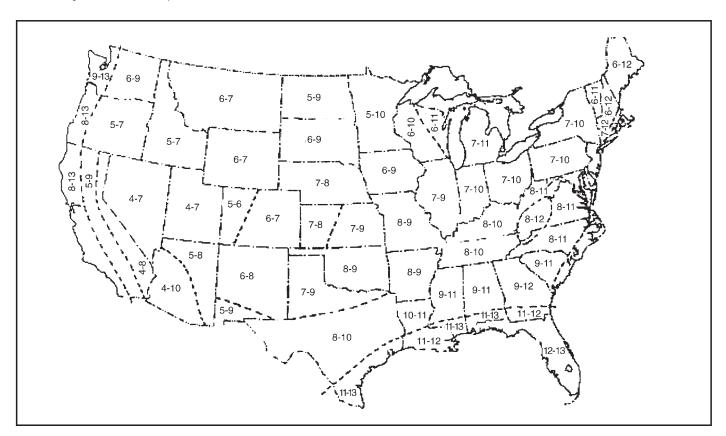
Interior environmental controls, which continually provide stable temperature and relative humidity, will also affect the final moisture content. Other influencing factors can be excessively wet or excessively dry materials and/or areas during distribution and at the job site. Our wood products are manufactured at 6-9% moisture content. If the job site conditions change this range, or the geographic area is expected to change this range, it is the responsibility of those who handle and use the product to provide for and be informed of the eventual changes, which can be expected. Generally, wood products are expected to shrink in dry climates and expand in the wetter climates.

Wood in service is usually exposed to both long-term (seasonal) and short-term (such as daily) changes in the relative humidity and temperature of the surrounding air. Thus, wood virtually always is undergoing at least slight changes in moisture content. These changes are gradual, and short-term fluctuations tend to influence only the wood surface. Moisture content changes may be retarded, but not prevented, by protective coatings, such as varnish, lacquer, or paint. The practical objective of all wood seasoning, handling and storing methods should be to minimize moisture content changes in wood in service. Favored procedures are those that bring the wood to a moisture content corresponding to the average atmospheric conditions to which it will be exposed.

#### Affects of Relative Humidity

The most important factor in the preservation of wood products is the maintenance of proper environmental conditions. Many environmental factors such as temperature, relative humidity (RH), and light affect the permanence of wood.

Several considerations are involved in specifying RH for climate control. The first is the RH set point, the value that you are trying to maintain. The second is the allowable fluctuation, the short-term variation that will be allowed. Third is the seasonal drift that will be allowed, the amount by which the set point is allowed to vary over the year.



### **BEHAVIOR OF WOOD PRODUCTS**

### It has been known for a very long time that the extremes of RH cause damage. High RH results in swelling of wood products due

### Large Changes in Relative Humidity Will Cause Damage

to the absorption of moisture, while excursions to low RH can cause shrinkage due to the loss of moisture. Changes in RH were

blamed for such environmentally induced damage as flaking paint, cracked wood, and glue failure. Reports of such damage increased as central heating became more widespread. Simple experiments in which some types of damage were duplicated by subjecting materials to large swings in RH showed that it was not just specific values of RH but changes in RH that could cause

Anecdotal evidence indicated that damage could be prevented or minimized by maintaining a constant, moderate RH. The most famous example is that of the collections of the National Gallery, London. During World War II, the Gallery's

WOOD

Is a hygroscopic material. When exposed to air it will dry or pick up moisture until it is in equilibrium with the humidity and temperature of the air.

MOISTURE

Absorption causes wood to swell.

**MOISTURE** 

Loss causes wood to shrink.

SHRINKAGE

Begins at 25-30% moisture content, the fiber saturation point. Shrinkage continues to 0% moisture content, an oven dry state.

**SWELLING** 

Occurs as wood gains moisture. Swelling occurs from 0% to 25-30% moisture content, the fiber saturation point.

WOOD

Does not shrink or swell equally in all directions.

collections were moved for safekeeping to mines in Wales. The climate in the caves was constant, although at too high an RH. The RH was adjusted by slightly heating the air to maintain between 55 and 60% RH, which earlier experiments had shown was the effective average in the then un-air conditioned Gallery. Within a matter of months, cracking, flaking and other such problems that had occurred in the Gallery essentially disappeared. The problems returned when the collections were returned to the Gallery after the war. This experience was a prime justification for installing climate control soon after.

Obviously, much of the benefit of maintaining a constant, moderate RH derives from the avoidance of damaging extremes of RH. Most older buildings, and surprisingly many new ones, are

not capable of maintaining 50% or higher RH during very cold weather without condensation occurring in the building fabric.

Many materials such as wood, glue, and paint absorb and desorb water and consequently

change dimension as the relative humidity changes. If a material is unrestrained, this absorption and desorption is reversible within a reasonable range of relative humidity, and a material simply expands and contracts with changes in relative humidity. It is only when a material is restrained, either internally or externally, that this tendency to change dimension can cause stresses and resulting damage. If we lower the relative humidity, wood will try to shrink. If it is held by nails, etc. and prevented from shrinking, stresses develop. If these stresses are large enough, they result in permanent deformation or breakage.

Rapid RH change can also cause internal stresses in massive wood with no coating. These stresses can be large enough to destroy the internal structure of the wood. A sudden increase in RH will cause the surface layer of wood to try to expand. But it is restrained by the still dry inner core of the wood. This invisible stress will cause irreversible collapse of the cellular structure of the wood at the surface. When the wood eventually reaches equilibrium, the outer layer will be shorter, and in tension. This causes a bend in the wood product, even though the water content is now uniform throughout the thickness.

Large changes in the moisture content of the wood cause shrinking or swelling stresses that may seriously weaken both the wood and any joints and cause warping, twisting, and other undesirable effects.

Moisture conditions are particularly important, not only because of the effect of moisture in the glue itself, but because changes in moisture content affect the internal stresses developed on the glue joint.

Available evidence indicates that joints well designed and well made with any of the commonly used woodworking glues will retain their strength indefinitely, if the moisture content of the wood does not exceed approximately 15% and the temperature remains within the range of human comfort. Authorities seem to agree that from 40-50% relative humidity, with a temperature of 68°F to 70°F, is most desirable. Humidifying or dehumidifying equipment is required.

Glues have shown evidence of deterioration when exposed intermittently or continuously to temperatures much above 100°F.

### MILLWORK PRODUCT GUIDELINES

#### **MOULDINGS**

#### Handling:

- 1. Do not store in damp areas or freshly plastered buildings.
- 2. Store in a flat, level position in a dry, well ventilated building.
- 3. Cover to keep clean, but allow circulation. Relative humidity should not be less than 30 percent nor greater than 60 percent. Allow mouldings to acclimate to surroundings for 3-5 days with low heat or air on.
- 4. Moulding should not be subjected to extreme dryness, excessive heat, humid conditions or sudden changes therein. They should be conditioned to the average prevailing humidity before installing.
- 5. Reference pages 29 and 30 for more in depth care.

#### Finishing:

- 1. Sand all mouldings with 100-120 grit sandpaper. Never use 180 or 220 on raw wood as in can result in polishing, burnishing or inconsistent stain appearance.
- 2. Caulk, fill and sand well.
- 3. Apply quality paints or stains.
- 4. Sand between coasts as needed.
- 5. Always seal concealed or backing of moulding to eliminate the possibility of expansion caused by moisture absorption. Expansion and contraction is a natural characteristic of wood products and will not be deemed a defect.
- 6. To ensure uniform color when applying a dark stain, it is recommended that a wash coat be applied, followed by a light sanding. It is also good practice to apply stains with the mouldings in a horizontal position. This prevents the solvents from evaporating to quickly, which is a common source of streaks caused by stains setting up too quickly before cleaning can be completed.
- 7. Always consult the manufacturer of the finish to be used as to its specific application on the species of wood or material chosen. Various finishes react differently to various materials.
- 8. If staining poplar, two applications of stain may be needed for depth in color and to get good coverage.
- 9. Glazes, gold leaf, and antiquing are applied after the paint or stain has finish coats of sealer (lacquer, etc.).
- 10. Apply glaze, wipe to desired coverage and apply final coat of sealer to create sheen and depth.
- 11. Do a test sample before starting if multi-step finishes are involved.

#### Installation:

- 1. Adequate blocking is needed to attach crowns to ceilings, or wide casings to walls.
- 2. During installation nail mouldings securely to studs.
- 3. Adhesives can be used where mouldings are lay on walls. Miters can receive a biscuit type joinery.
- 4. When installing door casings cut head casing first so that embossed pattern on side casing will miter into head casing.
- 5. When installing window casings follow door casings but install a window stool to add beauty and to avoid having to match four embossed mitered corners (matching four mitered corners is easy if embossing is delicate in nature).
- 6. When installing crowns, bases, chair rails, etc. -

First install any outside corners and work back into inside corners

If a single moulding has two embossings, match the largest embossing first.

If a moulding has dentil embossing, match the dentil first and let the embossing match as well as possible.

#### **DOORS**

#### Handling:

- 1. Store product flat in a dry, well-ventilated and covered area if possible. If covering, maintain ventilation.
- 2. Do not walk on any door units at any time.
- 3. Avoid dragging doors across one another and keep doors clean.
- 4. Handle doors with clean hands or gloves. Avoid dirt and oil.
- 5. Doors should be conditioned to average prevailing relative humidity before hanging. Do not store in a building where cement or plaster has not dried.
- 6. If doors are stored on a job site, all ends and edges must be sealed with an effective quality oil-based sealer in order to prevent undue moisture absorption. Most solvent-based stains have some sealing qualities. However, this type of stain should not be relied upon for achieving adequate sealing.
- 7. Do not subject doors to abnormal extremes in temperature or humidity.
- 8. Never lean doors in an upright position as this may cause doors to bow.

### MILLWORK PRODUCT GUIDELINES

#### DOORS CONTINUED

#### Finishing:

Caution: We cannot evaluate all the possible paints and stains, nor the possible paints and stains, nor the customer's specific application requirements. Your paint dealer should know of suitable finish systems that give satisfactory results in your region. It is highly recommended that top quality finishes be selected, and the application instructions be followed explicitly.

- 1. Before applying the first coat of finish, sand the entire surface lightly with 5/0 sandpaper (180 grit). This is to remove fingerprints and handling marks.
- 2. Adjust or align components if necessary before finishing.
- 3. Clean doors thoroughly after sanding with a cloth to remove all dust or foreign material. However, avoid using abrasive or caustic cleaners.
- 4. Hang door before finishing, then remove to finish properly.
- 5. All surfaces of the door must be properly finished and sealed within 48 hours of delivery to the job site. The edges (top, bottom and sides) should be coated with each and every coat of finish that is applied to the exterior surface of the door. Doors must be dry before finishing. Note: Primer is not a sealer! Water based primers are highly discouraged. Use a fast drying lacquer-based sanding sealer.
- 6. On doors that are glazed with clear glass, the finish used should be flowed from the wood slightly onto the glass. This will provide assurance against water leakage and protect the glazing "putty" from drying out.
- 7. Follow all manufacturer's instructions for the species of the door you have chosen.
- 8. Never allow a door to become wet before it is sealed and finished.

#### Fitting and Hanging:

- 1. Immediately after cutting and fitting (before hanging), seal all cut surfaces and ends of door with an effective quality sealer.
- 2. Allow adequate clearance for swelling of door or frame in damp weather. Jambs must be plumed.
- 3. Care should be taken in cutting panel doors down in width to avoid exposing engineered components. Use sharp fine toothed saw for trimming ends of doors.
- 4. For best performance, any exterior door should be installed under an overhang or with protection. If an overhang is not feasible, finishing the door in a light color will prevent excess heat build-up in the door.

#### Maintenance:

Your door has been built to last for years to come. But, its finish will require some simple periodic maintenance to keep it looking great and provide proper protection against the elements. Below are some signs to watch for. They indicate that it's time for some simple, easy-to-perform maintenance:

- 1. Hairline cracks in the top coat of finish.
- 2. Changes in the color of the finish.
- 3. Changes in the texture of the finish, such as flaking or scaling.
- 4. Dullness or chalkiness in the finish.

If your entry receives a lot of sunlight from a southern or western exposure, you'll want to examine your doors finish often. Depending on the conditions, you may also need to maintain the door finish more frequently.

**NOTE:** the preceding guidelines are for general information purposes only. Manufacturer specifications and warranty information take precedence over these and need be reviewed before handling, finishing or installing your millwork product.

### **DOOR CHART**

The below chart shows the door sizes that Millard Lumber currently carries in stock. We can custom order special species and sizes at request. Please speak with your Millard Lumber sales associate for more details.

	OAK FLUSH	BIRCH FLUSH	CHESAPEAKE OAK PREFIN EMBOSSED	WHITE PINE 1-1/8" FULL LOUVER	RED OAK 6 PANEL	RED OAK 10 LITE	RED OAK 15 LITE	POPLAR 6 PANEL	POPLAR 10 LITE	POPLAR 15 LITE	POPLAR 1501 1-LITE W/CLEAR GLASS	PRIMED HARDBOARD SMOOTH	6-PANEL PRIMED SMOOTH	6-PANEL PRIMED TEXTURED	6-PANEL PREFIN WHITE TEXTURED	2-PANEL PRIMED SMOOTH PLANK	2-PANEL PRIMED SMOOTH SQUARE TOP	2-PANEL PRIMED SMOOTH ROMAN ARCH TOP	1-PANEL PRIMED SHAKER STYLE	2-PANEL PRIMED SHAKER STYLE	3-PANEL PRIMED SHAKER STYLE	3-EQUAL PANEL CRAFTSMAN PRIMED SMOOTH	5-PANEL CRAFTSMAN PRIMED FLAT PANEL
1-0x6-8 1-3/8" HC	Х				Х										Х								
1-4X6-8 1-3/8" HC	Х											Х	Х	х									
1-6X6-8 1-3/8" HC	Х	х	Х	Х	Х			Х				Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	х
1-8X6-8 1-3/8" HC	х	х		Х								х	х	х			х	Х	Х	Х	х	Х	х
2-0X6-8 1-3/8" HC	х	х	х	Х	Х	х		Х	х		х	х	х	х	Х	Х	х	Х	х	Х	х	х	х
2-4X6-8 1-3/8" HC	Х	х	х	Х	Х			х				Х	Х	х	Х	Х	Х	Х	Х	Х	х	Х	х
2-6X6-8 1-3/8" HC	Х	х	Х	Х	Х		Х	Х		Х	х	Х	Х	х	Х	Х	Х	Х	Х	Х	х	Х	х
2-8X6-8 1-3/8" HC	Х	Х	Х	Х	Х			Х				Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
2-10X6-8 1-3/8" HC												Х	х	х	Х	Х							
3-0X6-8 1-3/8" HC	х	х	х	Х	Х		Х	х		х	х	х	х	х	Х	Х	Х	Х	х	Х	х	х	х
2-0X6-7 1-1/8" HC Snglfld				Х																			
2-6X6-7 1-1/8" HC Snglfld				Х																			
2-8X6-7 1-1/8" HC Snglfld				Х																			
3-0X6-7 1-1/8" HC Snglfld				Х																			
4-0X6-7 1-1/8" HC Bifold				Х																			
5-0X6-7 1-1/8" HC Bifold				Х																			
6-0X6-7 1-1/8" HC Bifold				Х																			
2-0X6-7 1-3/8" HC Snglfld	х	х	х									Х	х	х	Х	Х	Х		Х	Х	х	Х	х
2-6X6-7 1-3/8" HC Snglfld	х	х	х									х	х	х	Х	Х	Х		Х	Х	х	Х	х
3-0X6-7 1-3/8" HC Snglfld	х	х	х									Х	х	х	Х	Х	Х		Х	Х	х	Х	х
4-0X6-7 1-3/8" HC Bifold	х	х	х									Х	х	х	Х	Х	Х		Х	Х	х	Х	х
5-0X6-7 1-3/8" HC Bifold	Х	х	х									х	Х	х	Х	Х	Х		Х	Х	х	Х	х
6-0X6-7 1-3/8" HC Bifold	х	х	х									х	х	х	Х	Х	Х		Х	Х	х	Х	х
1-6x6-8 1-3/8" SC													х										
2-0x6-8 1-3/8" SC	х	х											х										
2-4x6-8 1-3/8" SC	х												х										
2-6x6-8 1-3/8" SC	х	х											х										
2-8x6-8 1-3/8" SC	х	х											х										
3-0x6-8 1-3/8" SC	х	х											х										
2-8x6-7-1/4 1-3/4" SC	х																						
3-0x6-7-1/4 1-3/4" SC	х																						
2-6x6-8 1-3/4" SC	х	х																					
2-8x6-8 1-3/4" SC	х	х	х		х							х	х	х		х	х	х	х	х	х		х
3-0x6-8 1-3/4" SC	х	х	х		х							х	х	х		х	х	х	х	х	х		х
2-8x7-0 1-3/4" SC	х	х																					
3-0x7-0 1-3/4" SC	х	х										х											
3-0x6-7-3/8 1-3/4" 60 MIN B LABEL	х	х																					
3-0x6-11-3/8 60 MIN B LABEL	Х	х																					

### MILLARD LUMBER Inc.

### **POLICIES**

#### SPECIAL & MANUFACTURED ORDERS

All orders of a special nature or manufactured items\* may not be cancelled after acceptance by customer verbally or in writing. Millard Lumber reserves the right to require advance payment on all such orders. Special ordered items and special manufactured items\* are not returnable.

\*Manufactured items include, but are not limited to: pre-hung interior & exterior doors, windows, doors machined to match customer specs and any other items produced in Millard Lumber shops.

#### **RETURNS**

No material will be accepted for return unless authorized by Millard Lumber. All returned material is subject to handling, reconditioning and restocking charges as assessed by Millard Lumber.

Moulding are sold in random lengths, unless otherwise noted. We will make every effort to accommodate any specified lengths you may need, but we cannot guarantee them. An extra charge may apply for specified lengths.

### **CUSTOM MOUI DINGS**

We are pleased to offer custom wood moulding profiles. The ability to provide our customers with custom and special wood mouldings rounds out and complements our standard stock trims. Literally hundreds of profiles machined from numerous species await your challenge.

If you would like a custom moulding profile, please contact your Millard Lumber sales associate.

### **INDFX**

Base	6 - 8
Base & Corner Blocks	9
Base Shoe	12
Bed Mould	
Behavior of Wood Products	9 - 30
Casing	
Chair RailChair Rail	9
Cove	10
Crown	2 - 3
Doors	
Door Chart	33
Exterior	
Moulding & Door Frame	13
Interior Doors	
Interior Door Handing	
Interior Jambs14	
Lattice/Mull Center	
Louvers	
Millwork Product Guidelines	
Miscellaneous12	
Notes	
Outside Corner	11
Panel Mould & Cap	11
Pocket Door Frame	
Quarter Round	
Skylights	27
Stair Parts	20
Maple	24
Miscellaneous	26
Oak22	2 - 23
Poplar	25
Wrought Iron	21
Stair Parts Worksheet	35
Ston	10

#### MILLARD LUMBER IS PROUD TO BE A MEMBER OF THESE ASSOCIATIONS:



























# STAIR PARTS WORKSHEET

NEWELS			
	Description	Finish/Species	\$ Price
item #	Description	rillisii/ Species	\$
			<u> </u>
			<u> </u>
HANDRA	LS		
	. <del>_</del> -		\$
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			\$
			\$
BALUSTE	RS		
DALGGIL			\$
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MICOLL	ANFOLIC		
MISCELL	ANEUUS		
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			\$

# NOTES









### **OMAHA**

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### LINCOLN

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