**Interior Door Unit Rough Openings**

<table>
<thead>
<tr>
<th>Single Door</th>
<th>Bi-Fold</th>
<th>Slider (Bi-Pass)</th>
<th>Pair</th>
<th>Cased Opening</th>
<th>Double Acting</th>
<th>Pocket Door</th>
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<tbody>
<tr>
<td>1-0</td>
<td>14-1/2</td>
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<td>22-1/2</td>
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<td>74-1/2*</td>
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*Note: Add 7/16" to UD unit pair when using T-AST*

**Interior Doors**

R311.2.1 *Interior Doors*: All doors providing access to habitable rooms shall have a minimum nominal width of 30 inches and a minimum nominal height of six feet six inches.

**Exceptions:**

1. Doors providing access to bathrooms are permitted to be 28 inches in nominal width.
2. Existing Buildings: Doors providing access to bathrooms are permitted to be 24 inches in nominal width.

---

**Rough Opening Formula**

<table>
<thead>
<tr>
<th></th>
<th>Add to Door Width</th>
<th>Add to Door Height</th>
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<tbody>
<tr>
<td>Interior Door</td>
<td>2-1/2&quot;</td>
<td>2-1/2&quot;</td>
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<tr>
<td>Bi-Fold</td>
<td>2-1/2&quot;</td>
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<tr>
<td>Slider (Bi-Pass)</td>
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<td>Cased Opening</td>
<td>2-1/2&quot;</td>
<td>2-1/2&quot;</td>
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<tr>
<td>Pocket Door Single</td>
<td>(Door Width x 2) + 1&quot;</td>
<td>4-1/2&quot;</td>
</tr>
<tr>
<td>Pocket Door Pair</td>
<td>(Door Width x 4)</td>
<td>4-1/2&quot;</td>
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</table>

* All pre-hung door units are built with a 1-1/8" clearance at the bottom of the door.
### Stock - Only Interior Doors

**Hollow Core**

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<tr>
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**Solid Core**

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**BiFold**

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**Stile & Rail**

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<tr>
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</table>

### Cut-Down Doors - Kneewall/Access Areas

- Side Stiles are Approx. 1” of Pine
- Top Rail is Approx. 1” of Pine
- Bottom Rail is Approx. 3” of Pine
- Min. & Max. Dimensions are Figured with:
  - Top Rail: 1-1/2” Minimum Width
  - Bottom Rail: 3” Minimum Width
- Dimensions on Rail & Stile Approx., per Door Manufacturer.
- Please specify lock location (i.e.: 12” From Top)

---

March 2016

www.masonite.com
TruStile MDF Doors

- Made to order and built to any size and style.
- Built with genuine stile and rail construction — never routed or stamped.
- Made with solid, super-refined MDF that provides a smoother painting surface than pine, poplar or lower-grade MDF alternatives.
- Engineered for maximum stability and durability — won’t shrink, expand or warp when exposed to environment.
- More affordable than wood doors.
- Third party certified by Scientific Certification Systems to contain 75% recycled content, making them ideal for green building.

TruStile Wood Doors

Made in the authentic stile and rail manner, TruStile Wood Doors use a premium mix of materials that exceed industry standards for a truly natural look.

- Parts are tested and sorted into a premium mix of components that exceed industry standards. All components are blended for color and grain pattern matching.
- Edge-glued solid wood panels for a premium look and feel.
- Traditional dowel construction creates a solid joint.
- An engineered stave lumber core is cut to size with alternating grain patterns, which balances the core and reduces wood’s natural tendency to move.

The Wedge®

TruStile MDF doors come standard with The Wedge®, our field-proven hardwood edge system designed to stand up to daily use. The Wedge provides superior rigidity, stability and screw-holding power.

HARDWOOD WEDGE EDGE SYSTEM

The strength and durability of LVL is employed for the ultimate in stiffness to resist bowing, twisting or warping.

www.trustile.com

March 2016
TruStile offers an **UNMATCHED NUMBER OF PROFILE OPTIONS** to customize your style.

### Sticking Profile Options

- Roman Ogee (OG)
- Square Stick (SS)
- One Step (OS)
- Bevel (BV)
- Quarter Bead (QB)
- Cove & Bead (CB)

### Panel Profile Options

- Quarter Round (QR)
- Quirk Moulding (QM)
- Low Profile Bolection Moulding (LP)
- Bolection Moulding (BM)
- Big Bolection Moulding (BBM)

### TRUSTILE PRODUCT OFFERING:

- Paint-grade MDF (medium density fiberboard) doors
- Stain-grade wood doors
- Glass Doors (both French Doors and Panel Lite Doors)
- Louver Doors
- Bi-Fold Doors
- Pocket and By-pass Doors
- Exterior Doors
- 20, 45, 60 and 90 Minute Fire Doors

### RECOMMENDATIONS:

- Ball Bearing Butts 3-1/2 x 3-1/2 #BB1279 or BB1741 should be used with Trustile Doors
- Double Rabbett Solid Jambs

### NOTE:

- Casings shipped loose

---

www.trustile.com
White Oak  White Birch  Hemlock  Knotty Pine  Walnut  Pine  Red Oak  Knotty Alder  Hickory  Primed

Wood Species
- Maple
- Cherry
- Poplar
- Poplar - Torrefied
- Mahogany
- Mahogany - Torrefied
- Fir
- Fir - Torrefied
- White Pine

see Lemieux catalog for full product offering

PANEL/STICKING OPTIONS

Stile/Rail

Ovolo Sticking  Double-Hip Raised Panel  Panel

Flat Panel

1/2 Flat

MDF  Veneer  MDF Core

March 2016

www.lemieuxdoors.com
*Primed MDF Stile & Rail Doors
*1/2" Flat Panels
*Square Sticking - In Stock
*Ovolo Sticking - In Stock
*Ovolo or Square Sticking - Same Price

- Engineered Stiles, Laminated Construction, MDF Face, Solid Wood Edge Band, Solid Wood Core
- Solid MDF Panels
- Mortise & Tenon Construction for Superior Strength & Stability

Masonite®
French Door Series
- Oak
- Clear Pine
- Primed Pine with glass options of beveled, frosted, clear and others

1 Lite 6 Lite 9 Lite 10 Lite 12 Lite

10 Lite Primed 2-0 15 Lite Primed 2-4, 2-6, 2-8, 3-0
**Special Location Doors**

**Air flow calculations (80” Louver Door)**

<table>
<thead>
<tr>
<th>Door Width</th>
<th>Top Half Louver (sq/in)</th>
<th>Bottom Half Louver (sq/in)</th>
<th>Full Louver (sq/in)</th>
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The P4127 was once known as the "Miracle Door". It's origin is the 1920's Art Deco period where clean lines and geometric shapes were often used. It features a one panel design with a series of step down mouldings.

**Chalkboard**

- **F1120 Chalkboard Door**
- **F1181 Chalkboard Door**
- **P4127 1/4" Flat Panel**

1/4" Magnetic Double-Sided Chalkboard Panels.
Other species available: Western Hemlock, American Red Oak, Maple, Cherry or others upon request.

[Cross section image of chalkboard door]
MDF sash glazed Interior Transoms

Rough Opening Formula:
Width = Finished Opening + 2 1/2"
Height = Finished Opening + 2 1/2" + 13 1/2" = 96"
(6'-8" Door Height)

Note:
Interior Door Units with Interior Transoms mulled above, must have Solid Double Rabbet Jamb

Suggested Sash Layouts

3'-0" x 1'-0" Sash

4'-0" x 1'-0" Sash

5'-0" x 1'-0" Sash

6'-0" x 1'-0" Sash

One piece of SSB glass & two 1/2" MDF panels create the simulated sash
Sash is stopped in the center of flat jambs

Suggested sash layouts are shown

- Custom MDF Sash are available
- width and height
- stile width
- grill design - any size or shape
Anatomy of an Interior Door

Jamb Details

Double Rabbet Jamb
- Casing Applied
- Butt Side 4-5/8" - 6-5/8"
- Casing Opp Butt Shipped loose hoops w/clips

Single Rabbet Jamb
- Casing Applied
- Butt Side 4-5/8" - 6-5/8"

W/S Split Jamb
- Casing Applied
  * Two Sides
  4-1/2" - 5" Walls

PID Split Jamb
- Casing Applied
  * Two Sides w/staples
  4-1/2" - 5" Walls

ID Split Jamb
- Casing Applied
  * Two Sides - Glue & Brad Nail
  4-1/2" - 5" Walls

Wall Depth:
- Standard 4-1/2" - 5" wall
- Wider Walls Available
- FJ Primed or Clear Pine
- All Jambs Trimmed to 1-1/8" below door bottom
- Optional: Oak Threshold

Split Jamb BiFold!
- Casing Applied
  Two Sides
  4-1/2" - 4-7/8" wall

Split Jamb Slider!
- Casing Applied
  Two Sides
  4-1/2" - 4-7/8" wall

How To Determine Handling
- Double Doors with T-Astragal
- Right Hand Active
- Left Hand Active
- Double Doors with Ball Catch
- Both Doors Active
Jackson Lumber & Millwork

BiFold Door Hardware

1807 ¾" Dia
Bottom Pivot.

1808 4-Door
Aligner

1811 Jamb
Bracket

1812 Snubber
2 Door

1801 ¾" dia
Top Pivot/Guide.

33 Knob
Brown

1814 Snubber
4 Door

1 3/8" Hinge Locations

- 6-1/4"
- 36-3/16"
- 66-1/8"
- 43-3/4"
- 6-3/8"
- 36-5/16"
- 66-7/8"

1 3/4" Hinge Locations

- 8 3/8"
- 37 5/8"
- 66 7/8"
- 44"
- 8 1/2"
- 37 3/4"
- 67"
- 44 1/8"

- 2 3/8" backset
- width - nominal width - 1/8"
- 3" bevel (2 sides) Molded doors
  (1 side) Wood doors
- 1/4" radius 3 1/2" x 3 1/2" hinges

Sliding Door Hardware

2226 Hanger.
¾" Offset

2211 Flush Pull

117 Door Guide

2228 Hanger.
¾" Offset

2200 Series
Steel
White

2200 Series
Aluminum
25/case

1.848
1.101
2200

Unit Pair Hardware Options

Ball Catch

Roller Latch

Magnetic Catch

Jackson Interior Door Hinge Location

- 1 3/8" Hinge Locations
- 1 3/4" Hinge Locations

March 2016
Attic Scuttle

Features for all Scuttles:
- 1/2” Primed MDO Panel
- Single Rabbet Jamb
- Compression Weather-stripping
- Casing 4 Sides (Picture Frame)
- Order by Rough Opening
  Maximum Size is 80 U.I.
  U.I. = Sum of 1 Width & 1 Length

Panel Options:
- 1/2” Oak
- 1/2” Birch
- 1/2” Bead Board

CODE = APS

Access Panel

Features:
- 1/2” Primed MDO Panel
- 4-5/8” Finger Joint Primed Jamb
- Wood knob
- Lift & Pull to remove panel
- Order by Rough Opening
  - 36” maximum width
  - 41” maximum height

CODE = APS

Options:
- Foam Insulation Board
  1’ = R 6.75
  2’ = R 12.9
  4’ = R 25.8
- Weather-stripping
- Panel Options
  - 1/2” Oak
  - 1/2” Birch
  - 1/2” Bead Board
- Casing Option
  - 3 sides
  - 4 sides

Access to crawl spaces: Access shall be provided to crawl spaces by an opening not less than 18 inches by 24 inches.

R807.1 Attic Access. An attic access opening shall be provided to attic areas that exceed 30 square feet and have a vertical height of 30 inches or greater.
The rough-framed opening shall not be less than 22 inches by 30 inches and shall be located in a hallway or other readily accessible location. A 30-inch minimum unobstructed headroom in the attic space shall be provided at some point above the access opening. See 780 CMR 6305.1.3 for access requirements where mechanical equipment is located in attics.
All attic access doors, trap doors, etc., separating conditioned from unconditioned space shall be fitted with suitable gaskets, weather strips, etc., and fit and close tightly to ensure minimal air leakage between conditioned and unconditioned space (also see 780 CMR 61.00).
**Attic Folding Stairways**

**Features Folding Stairway:**
- Highest Quality Southern Yellow Pine components
- UNI-FRAME Construction - each wood or metal part braces another
- All Treads are nosed, beveled and face grooved for better traction
- 3/16" Steel Rod under each tread for reinforcement
- Full width piano hinge
- "A" Grade Plywood Door Panel - completely framed for added rigidity
- Adjustable Spring Tension
- Hardware is plated, painted or galvanized to prevent rust
- Moulded wood handrail
- Completely Assembled - Ready to Install

### Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Finished Ceiling Height</th>
<th>Rough Opening</th>
<th>(A) Landing Space</th>
<th>(B) Projection</th>
<th>Weight</th>
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<tbody>
<tr>
<td>SOSTPT Excel Slimline 8'5&quot;</td>
<td>22&quot; x 48&quot;</td>
<td>63&quot;</td>
<td>54&quot;</td>
<td>250 lbs</td>
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<td>66&quot;</td>
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<td>66&quot;</td>
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<td>75&quot;</td>
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<td>SOSTPT Imperial 8'9&quot;</td>
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<td>66&quot;</td>
<td>56&quot;</td>
<td>300 lbs</td>
<td></td>
</tr>
</tbody>
</table>

**Excel - Standard Duty**
1"x4" Treads – 1"x4" Stiles and Frame
Optional Thermogard Insulation Panel (R6)

**Imperial - Heavy Duty**
1"x6" Treads – 1"x5" Stiles and Frame
Optional Thermogard Insulation Panel (R6)

**Ultimate - Extra Heavy Duty**
2"x5" Treads – 2"x4" Stiles – 1"x6"
Frame
Standard Thermogard Insulation Panel (R6)

**Premium - Aluminum Stair**
1"x4" Frame
Aluminum Stiles, Handrails & Treads

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**Draft Cap®... the Attic Stair Insulator**

- **R Values**
  - R = 12

- **Energy is lost through the uninsulated attic stair access panel.**
- **Draft Cap covers your attic stair opening to prevent air flow.**
- **Draft Cap meets all local and federal energy codes.**
- **Draft Cap will save you money on your heating and air conditioning bills.**

- **Inside Height:** 10-9/16"  
  - **Width:** 31"  
  - **Length:** 59-1/2"  
  - **Weight:** Approx. 8 lbs

March 2016