





The Tru&Modern Flush Door (TMF Series) product represents a whole new approach to the flush door. One where we engineer for quality and beauty from the start. That's why we say this is the only wood flush door that has been developed specifically for today's modern custom homes. We hope you'll see the attention to detail and care we've put into developing this product for you.

TMF1000 in Walnut with Nutmeg Stain and Flush-to-Wall Jamb.



How to Use this Guide

This guide is designed to be a reference for the TruStile Standards and to provide you with the details and confidence to specify a Tru&Modern Flush Wood Door.

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Top: TMF1000 in Walnut with Cappuccino Stain and Casing-Less Jamb.

Center: TMF1000 in Mahogany with Ebony Stain and Flush-to-Wall Jamb.

Bottom: TMF1000 in Plain Sawn White Oak with Grey Mist Stain and Casing-Less Jamb.

Flush MDF Door Construction

Core Construction

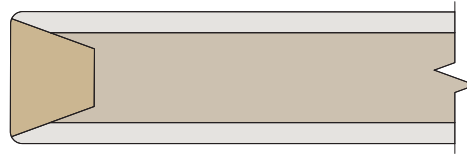
- Highest quality super-refined MDF
- Extremely stable LSL core
- Comes standard with the Wedge Edge®, our field-proven hardwood edge system

Available Door Sizes

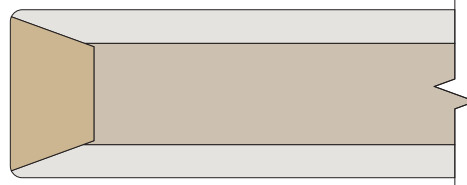
- Available in 1-3/8", 1-3/4" and 2-1/4" thicknesses
- Maximum size: 4' wide x 10' tall

Fire Rating

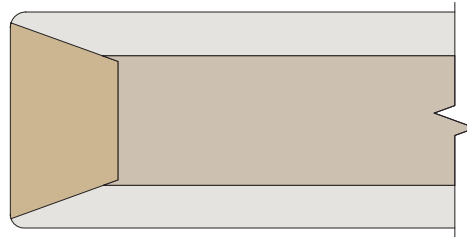
- Available 20- to 90-minute



1-3/8" Flush MDF Door Cross Section



1-3/4" Flush MDF Door Cross Section



2-1/4" Flush MDF Door Cross Section

- Super-Refined MDF
- LSL Core
- Poplar Wedge Edge

Flush Wood Door Construction

Core Construction

- Extremely stable LSL core
 - Ultra smooth HDF skins
 - 5/8" Hardwood lumber bands around all four sides
- Doors under 80" tall do not include bottom hardwood lumber band*

Veneer Specification

- 1/16" Veneer
- 4" – 6" Minimum widths
- Consistent widths within face

Color & Grain Matching

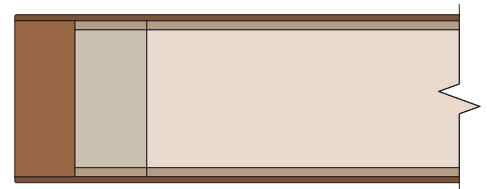
- Specific in-house matching rules based on species, cut & direction
- Focus on visual appeal rather than yield

Available Door Sizes

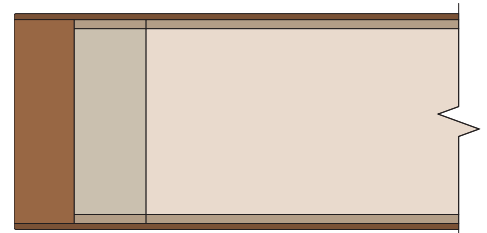
- Available in 1-3/4" thickness only
- Maximum size: 4' wide x 10' tall

Fire-Rating

- Available 20- to 90-minute



1-3/4" Flush Wood Door Cross Section



2-1/4" Flush Wood Door Cross Section

Flush wood not available in 1-3/8"

- 1/16" Veneer Faces
- 5/8" Hardwood Lumber Bands
- 3/4" LSL Band
- HDF Backer
- LSL Core

Veneer Selection

TruStile's Flush Doors are hand crafted to accentuate the beauty found in nature. We apply strict standards based on species to achieve a look that focuses on beauty vs. yield.

- 100% 1/16" flitch veneers
- Sequenced bundles for each face
- Focused on beauty



The best trees are sold as 1/2 logs, called flitches, to veneer houses that slice them into veneer sheets.

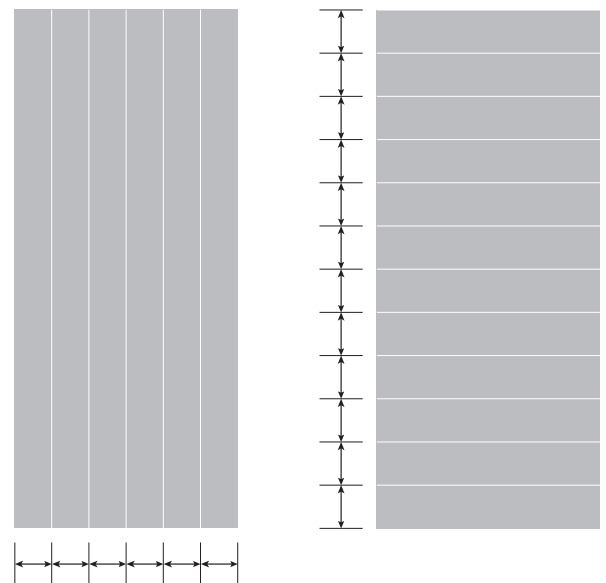


The sheets are then bundled in sequence for sale. TruStile purchases as many sequenced bundles as possible within our grading requirements.

Veneer Widths

TruStile will guarantee 4", 5" or 6" minimum veneer width and all equal veneers across the face of our doors.

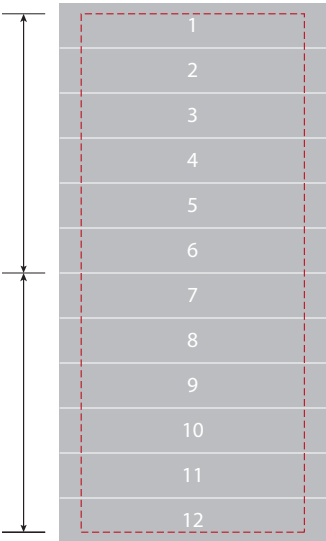
| Wood Species | | Minimum Veneer Width |
|--|--|----------------------|
| Quarter Sawn White Oak | Rift Sawn White Oak | 4" |
| Mahogany Quarter Sawn Red Oak Rift Sawn Red Oak | Vertical Grain Douglas Fir Walnut | 5" |
| Cherry Clear Pine Hickory Knotty Alder Knotty Pine | Paint-Grade Poplar Plain Sawn Red Oak Plain Sawn White Oak Select Alder Stain-Grade Poplar | 6" |



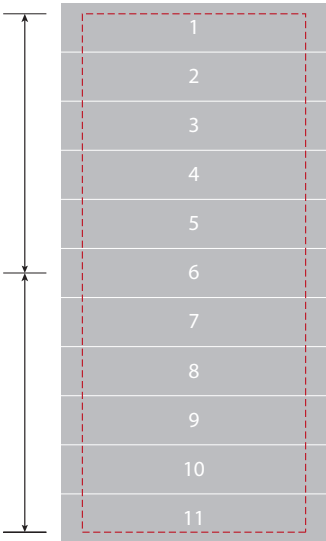
Flush wood doors feature minimum 4", 5" or 6" veneers widths, equally sized and spaced across the face of the door.

Horizontal Veneer Placement

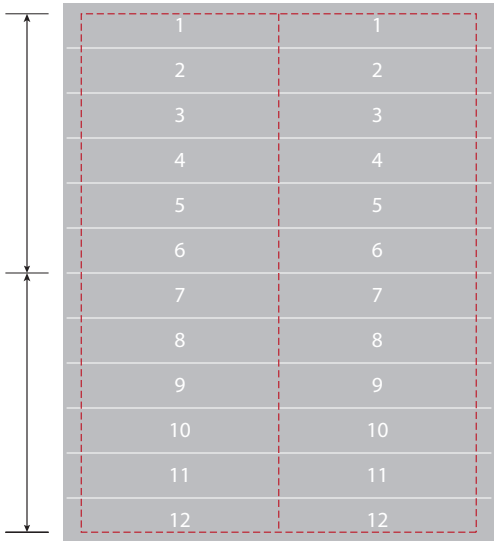
Horizontal veneers will be laid up and cut to ensure a balanced or centered look across doors



On single doors with equal number of sheets, the center seam will fall in the center of the slab.



On single doors with unequal number of staves, the middle sheet will fall in the center of the slab.



Pairs of doors are treated like a single wide door. The position of the veneers is then transferred to the individual slabs to ensure the veneer pattern aligns across both faces.

Horizontal Veneer Matching

The starting point in creating a TruStile Wood Door is our veneer application standards. We handcraft each face to optimize the beauty found in natural wood. **NOTE: PAIRS ARE MATCHED STANDARD. IF USING IN A PAIR APPLICATION, PLEASE ORDER AS A PAIR.**

We have 3 standard face composition methods for horizontal grain wood flush doors:

| Wood Characteristics | Wood Species | | Veneer Match |
|---------------------------------------|------------------------|----------------------------|---|
| Tighter, more consistent grain | Mahogany | Rift Sawn Red Oak | Slip Match <i>See page 7</i> |
| | Quarter Sawn Red Oak | Rift Sawn White Oak | |
| | Quarter Sawn White Oak | Vertical Grain Douglas Fir | |
| Highly figured with more cathedraling | Cherry | Plain Sawn White Oak | Rotated Slip Match <i>See page 8</i> |
| | Clear Pine | Select Alder | |
| | Paint-Grade Poplar | Stain-Grade Poplar | |
| | Plain Sawn Red Oak | Walnut | |
| High character rustic | Hickory | Knotty Pine | Random Matched <i>See page 9</i> |
| | Knotty Alder | | |

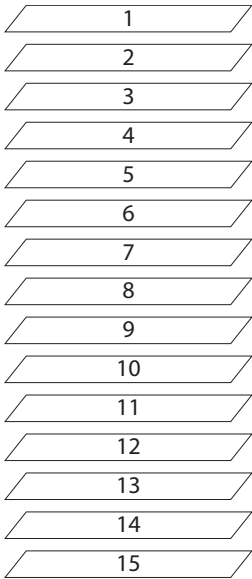
Slip Matched Veneers

Flush doors with horizontal veneers are slip matched as standard on these wood species:

- Mahogany
- Quarter Sawn Red Oak
- Quarter Sawn White Oak
- Rift Sawn Red Oak
- Rift Sawn White Oak
- Vertical Grain Douglas Fir

Single Doors

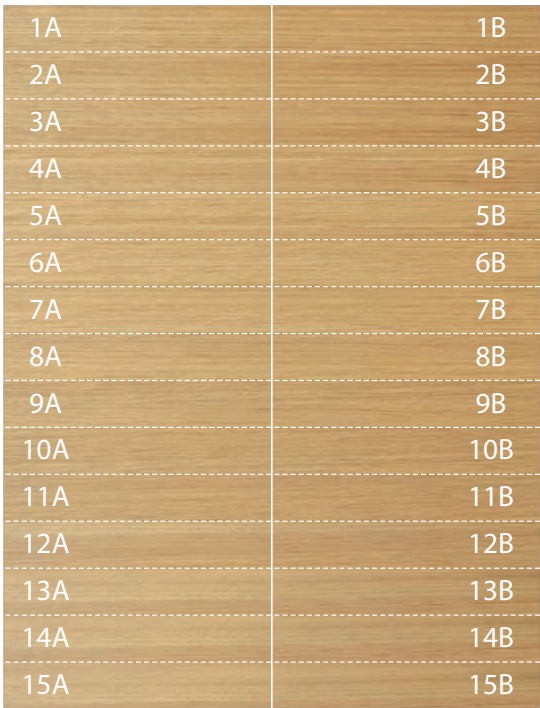
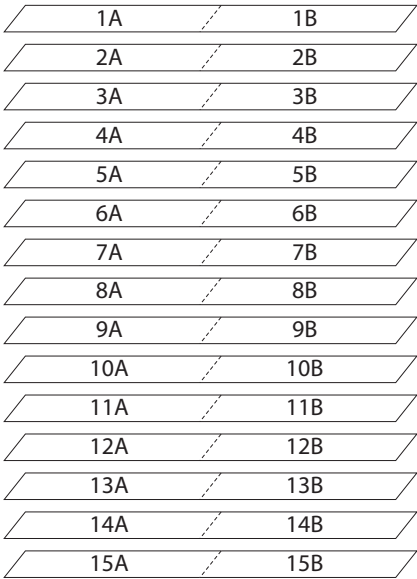
Species with more consistent, tighter grain patterns will be slip matched.



Pair of Doors

Pairs of doors for these species will feature a slip matched look across the entire face of the pair unit.

Note: Pairs are matched standard. If using in a pair application, please order as a pair.



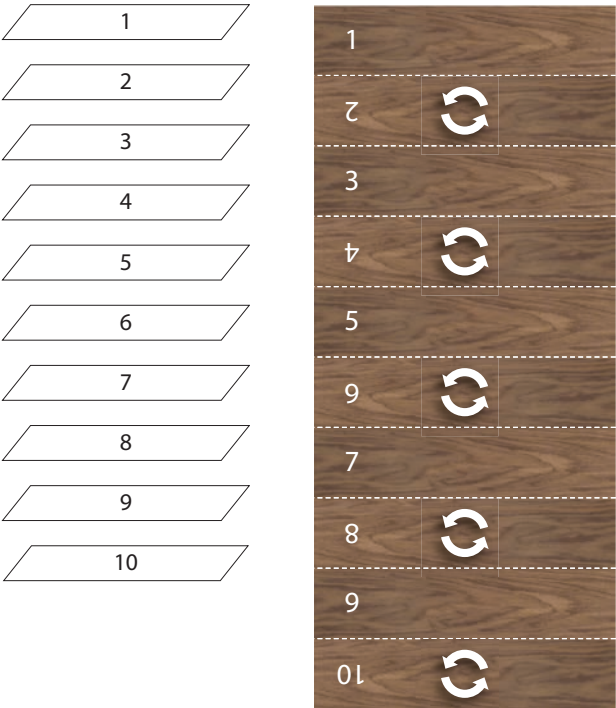
Rotated Slip Matched Veneers

Flush doors with horizontal veneers are rotated slip matched as standard on these wood species:

- Cherry
Clear Pine
Paint-Grade Poplar
- Plain Sawn Red Oak
Plain Sawn White Oak
Select Alder
- Stain-Grade Poplar
Walnut

Single Doors

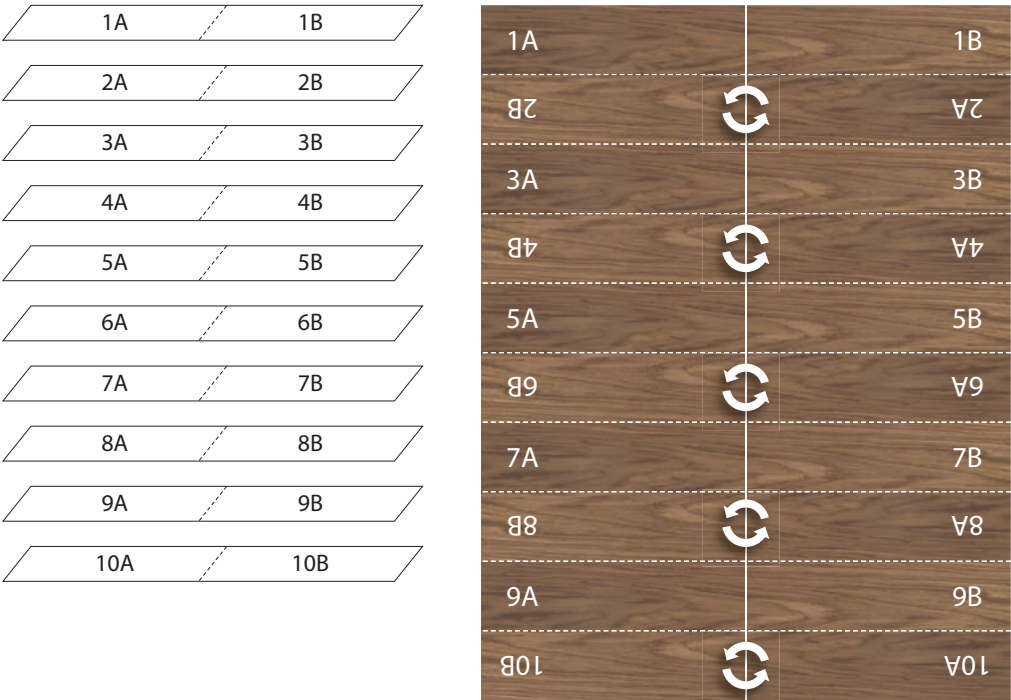
Species with more figuring and cathedraling will feature rotating slip match .



Pair of Doors

Pairs will carry this rotated slip match across the entire face of the pair.

Note: Pairs are matched standard. If using in a pair application, please order as a pair.



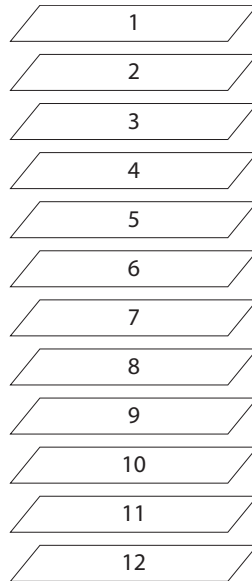
Random Matched Veneers

Flush doors with horizontal veneers are random matched as standard on these wood species:

- Hickory
- Knotty Alder
- Knotty Pine

Single Doors

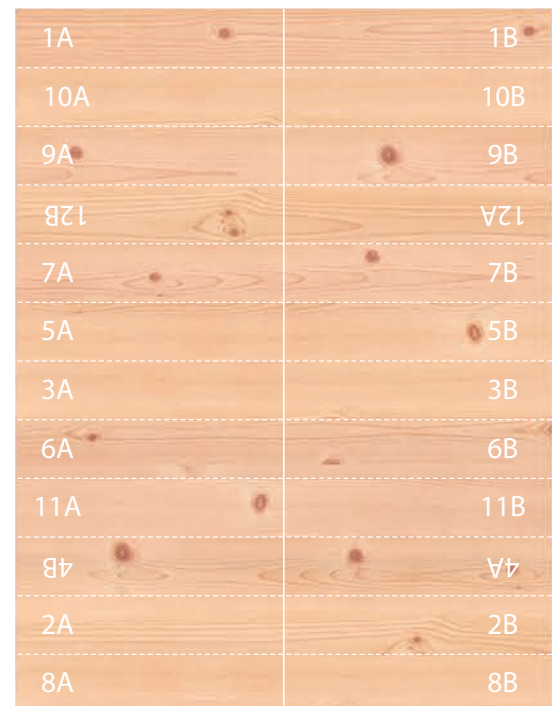
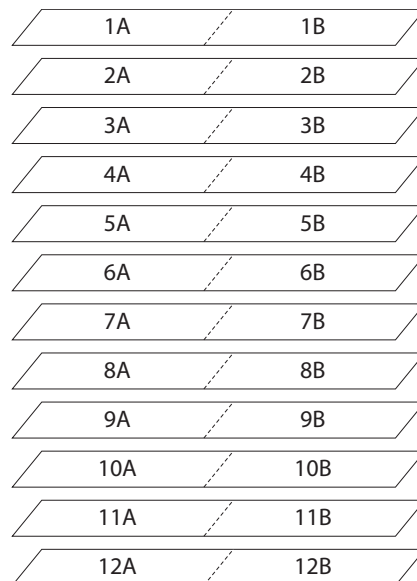
TruStile will employ a random match on more rustic species to provide authentic character.



Pair of Doors

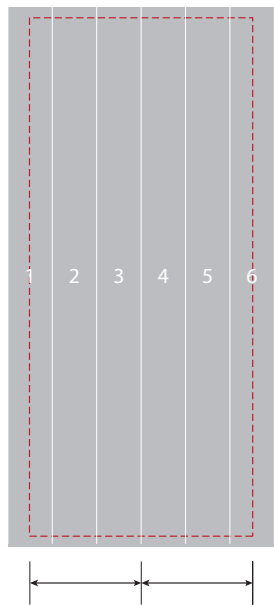
The random match rules will be carried across the face of rustic pairs.

Note: Pairs are matched standard. If using in a pair application, please order as a pair.

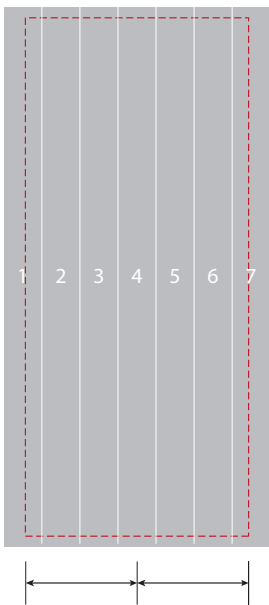


Vertical Veneer Placement

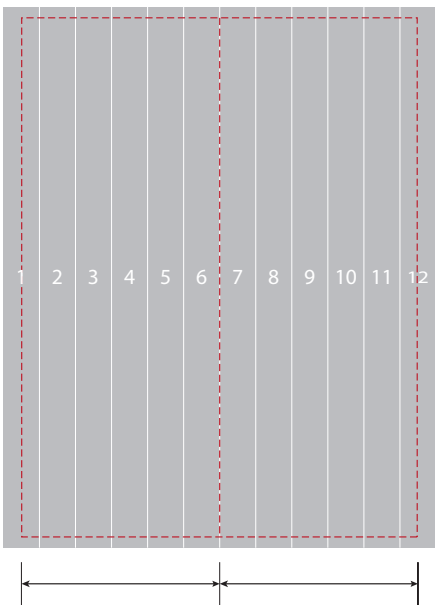
Vertical veneers will be laid up and cut to ensure a balanced or centered look across doors



On vertical flush doors with equal number of sheets, the center seam will fall in the center of the slab.



On vertical flush doors with unequal number of staves, the middle sheet will fall in the center of the slab.



Pairs of doors are treated like a single wide door. The position of the veneers is then transferred to the individual slabs to ensure the veneer pattern aligns across both faces.

Vertical Veneer Matching

The starting point in creating a TruStile Wood Door is our veneer application standards. We handcraft each face to optimize the beauty found in natural wood. **NOTE: PAIRS ARE MATCHED STANDARD. IF USING IN A PAIR APPLICATION, PLEASE ORDER AS A PAIR.**

We have 3 standard face composition methods for vertical grain wood flush doors:

| Wood Characteristics | Wood Species | | Veneer Match |
|---------------------------------------|------------------------|----------------------------|--------------------------------------|
| Tighter, more consistent grain | Quarter Sawn Red Oak | Rift Sawn White Oak | Slip Match <i>See page 11</i> |
| | Rift Sawn Red Oak | Vertical Grain Douglas Fir | |
| | Quarter Sawn White Oak | Mahogany | |
| Highly figured with more cathedraling | Cherry | Select Alder | Book Matched <i>See page 12</i> |
| | Clear Pine | Plain Sawn Red Oak | |
| | Paint-Grade Poplar | Plain Sawn White Oak | |
| | Stain-Grade Poplar | Walnut | |
| High character rustic | Knotty Alder | Hickory | Random Matched <i>See page 13</i> |
| | Knotty Pine | | |

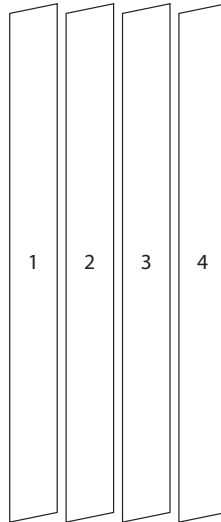
Slip Matched Veneers

Flush door with vertical veneers are slip matched as standard on these wood species:

- Mahogany
- Quarter Sawn Red Oak
- Quarter Sawn White Oak
- Rift Sawn Red Oak
- Rift Sawn White Oak
- Vertical Grain Douglas Fir

Single Doors

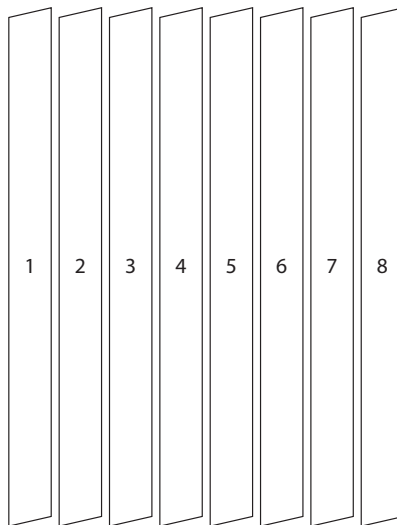
Species with more consistent, tighter grain patterns will be slip matched.



Pair of Doors

Pair of doors for these species will feature a slip matched look across the entire face of the pair unit.

Note: Pairs are matched standard. If using in a pair application, please order as a pair.



Book Matched Veneers

Flush doors with vertical veneers are book matched as standard on these wood species:

- Cherry
Clear Pine
Paint-Grade Poplar
- Plain Sawn Red Oak
Plain Sawn White Oak
Select Alder
- Stain-Grade Poplar
Walnut

Single Doors

Species with more figuring and cathedraling will feature book match.



Pair of Doors

Pairs will carry this book match across the entire face of the pair.

Note: Pairs are matched standard. If using in a pair application, please order as a pair.



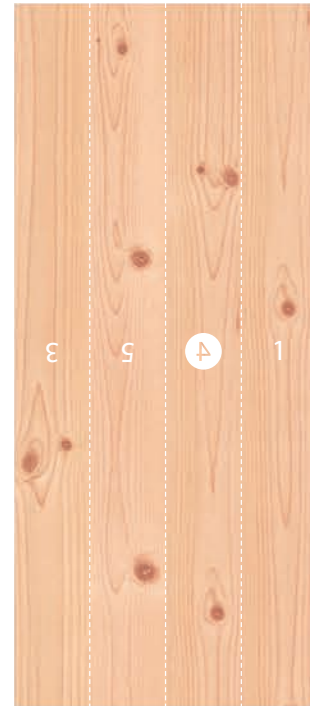
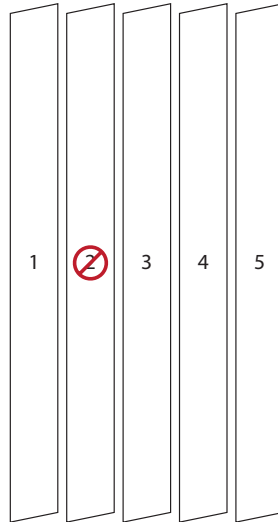
Random Matched Veneers

Flush doors with vertical veneers are random matched as standard on these wood species:

- Hickory
- Knotty Alder
- Knotty Pine

Single Doors

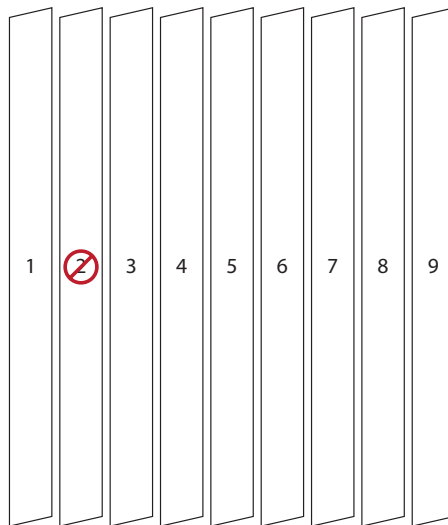
TruStile will employ a random match on more rustic species to provide authentic character.



Pair of Doors

The random match rules will be carried across the face of rustic pairs.

Note: Pairs are matched standard. If using in a pair application, please order as a pair.



Characteristics of Natural Wood

It is expected that wood will have naturally occurring variation. TruStile uses HPVA AA standards as a starting point to set the allowable variations by species for our Flush Wood Doors. In all cases we seek to meet or exceed HPVA AA standards.

| | Bark Pocket | Bird Peck | Burl | Cross Bars | Gum Spot or Pocket | Mineral Streak | Pin Knot | Pitch Streak | Ray or Fleck | Sound Knot | Vine Mark | Worm Track | Worm Hole |
|-------------------------|-------------|-----------|------|------------|--------------------|----------------|----------|--------------|--------------|------------|-----------|------------|-----------|
| Alder, Knotty | ● | | ● | | | ● | ● | | | ● | ● | ● | ● |
| Alder, Select | ● | | ● | | | ● | ● | | | ● | ● | ● | ● |
| Cherry | ● | | ● | | ● | ● | ● | | | ● | ● | ● | ● |
| Douglas Fir | | | | | | ● | ● | ● | | ● | ● | ● | ● |
| Hickory | ● | ● | | | | ● | ● | | | ● | ● | ● | ● |
| Mahogany | | | | ● | | ● | ● | | | ● | ● | ● | ● |
| Pine, Clear | | | | | | | ● | ● | | ● | | | |
| Pine, Knotty | | | | | | | ● | ● | | ● | | | |
| Poplar, Paint-Grade | | | | | | ● | ● | | | ● | ● | ● | ● |
| Poplar, Stain-Grade | | | | | | ● | ● | | | ● | ● | ● | ● |
| Red Oak, Plain Sawn | | | | | | ● | ● | | ● | ● | ● | ● | ● |
| Red Oak, Quarter Sawn | | | | | | ● | ● | | ● | ● | ● | ● | ● |
| Red Oak, Rift Sawn | | | | | | ● | ● | | ● | ● | ● | ● | ● |
| White Oak, Plain Sawn | | | | | | ● | ● | | ● | ● | ● | ● | ● |
| White Oak, Quarter Sawn | | | | | | ● | ● | | ● | ● | ● | ● | ● |
| White Oak, Rift Sawn | | | | | | ● | ● | | ● | ● | ● | ● | ● |
| Walnut | | | ● | | | | ● | | | ● | ● | ● | ● |



Bark Pocket

Small area of bark around which normal wood has grown



Bird Peck

Mark or wound in the wood caused by birds pecking on the growing tree



Burl

Swirl, twist or distortion in the grain which usually occurs near a knot; abrupt color variation and/or cluster of small dark spots



Cross Bars

Irregularity of grain resembling a dip in the grain running at right angles to the length of the veneer



Gum Spot or Pocket

Well defined brown or black spots containing gum; often round or teardrop-shaped



Mineral Streak

Well defined streak ranging from greenish-brown to black and running parallel with grain



Pin Knot

Knot that is solid across its face, at least as hard as surrounding wood and shows no sign of decay; typically 1/4" in diameter



Pitch Streak

A well-defined accumulation of pitch in the wood cells; similar to a mineral streak



Ray or Fleck

Stripes of cells that extend radially; dominant in oak



Sound Knot

Knot that is solid across its face, at least as hard as surrounding wood and shows no sign of decay; greater than 1/4" in diameter



Vine Mark

Scar in the wood caused by the stems of clinging vines; may contain dead residue of the vine



Worm Track

Mark caused by attacking larvae; often appear as discolorations running with or across the grain in straight to wavy streaks



Worm Hole

Round holes resulting from an infestation of worms

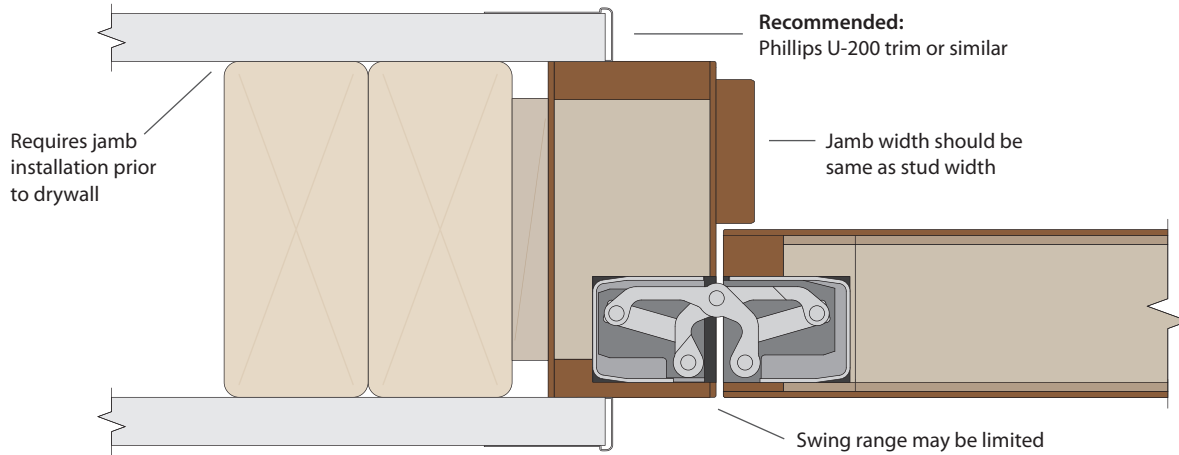


MODERN JAMB SYSTEMS

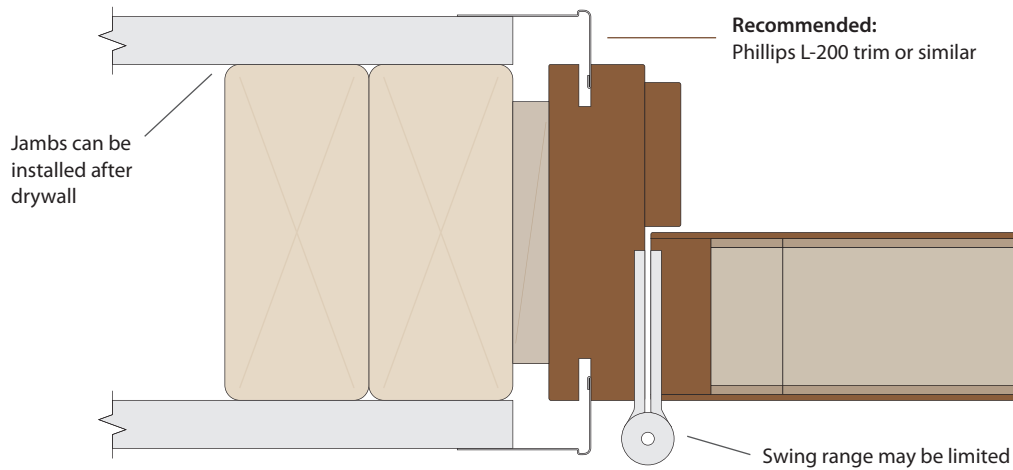


Casing-Less Jamb

Cross-Section of Casing-Less Jamb Installation with Concealed Hinge



Cross-Section of Casing-Less Jamb Installation with Barrel Hinge



Casing-Less Jamb Installation



Assemble and install jamb before hanging drywall.



Lift drywall to baseboard height using a block for support. Overlap jamb with drywall to create the desired amount of reveal.



Finish drywall edges with U-bead, J-bead or similar drywall trim.



Trim remaining drywall and install baseboard.



⚠ MOUNT CONCEALED HINGES TO JAMB FIRST USING SUPPLIED SCREWS.



Align door with hinges and mount with provided screws. Adjust hinges if necessary and attach cover plate.

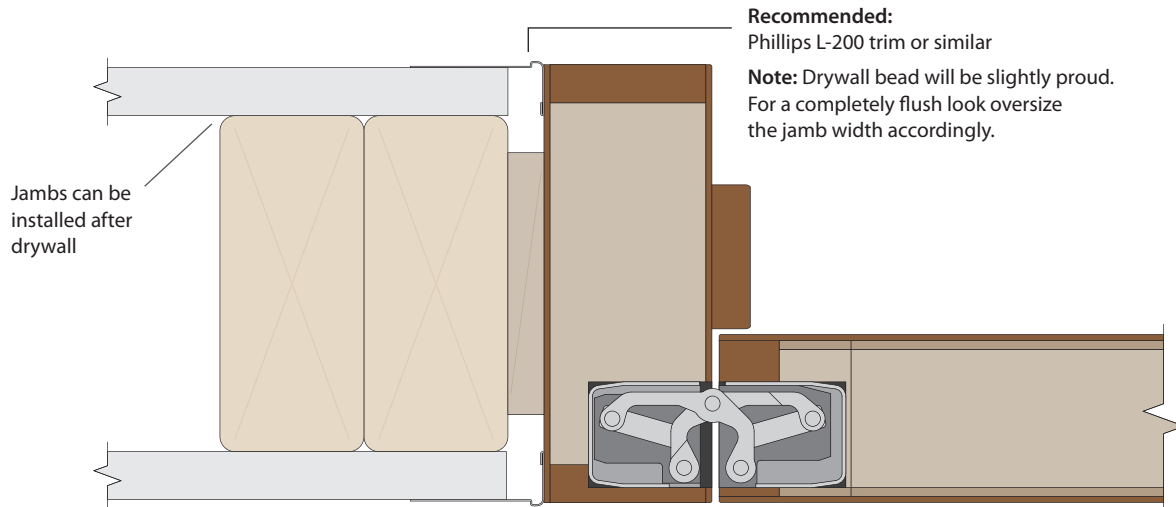


Baseboard Idea:

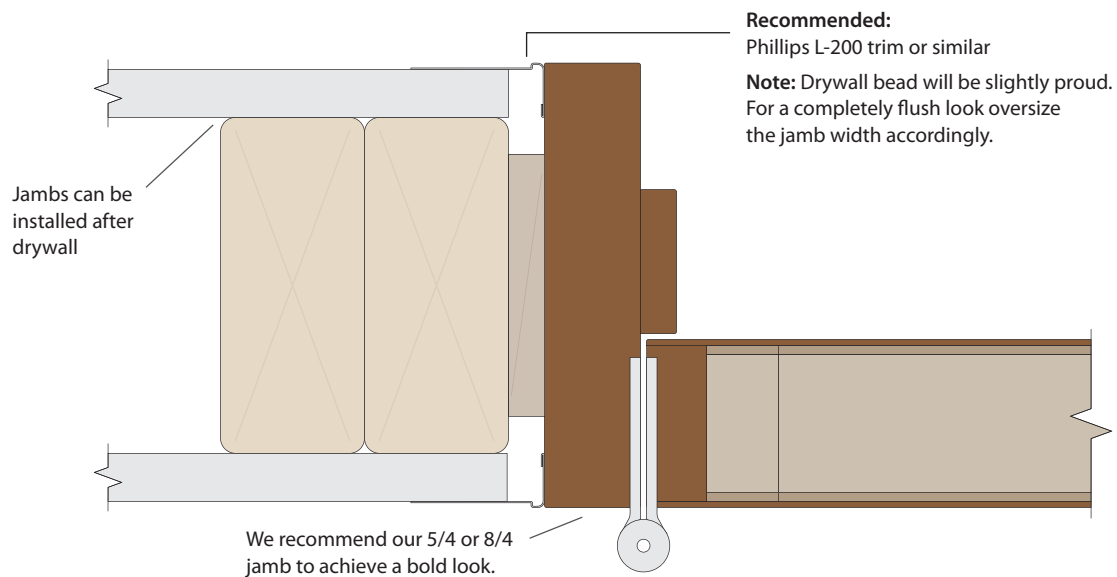
Return your trim to the jamb for a beautiful shadow line at the base of each opening.

Flush-to-Wall Jamb

Cross-Section of Flush-to-Wall Jamb Installation with Concealed Hinge



Cross-Section of Flush-to-Wall Jamb Installation with Barrel Hinge



Flush-to-Wall Jamb Installation



Lift drywall to baseboard height using a block for support. Mount drywall and trim to rough opening. Install jamb.



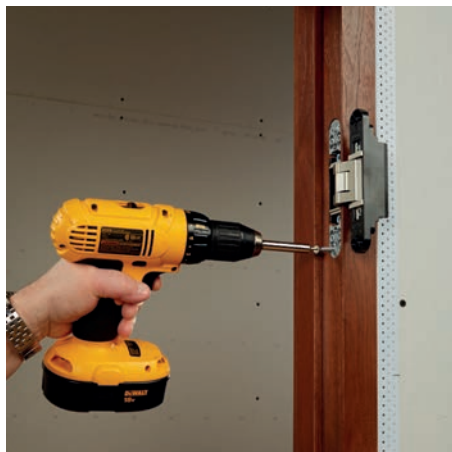
Assemble and install jamb before hanging drywall. For this application, you may need to remove stop before installation.



Finish drywall edges around jamb with L-bead or similar drywall trim.



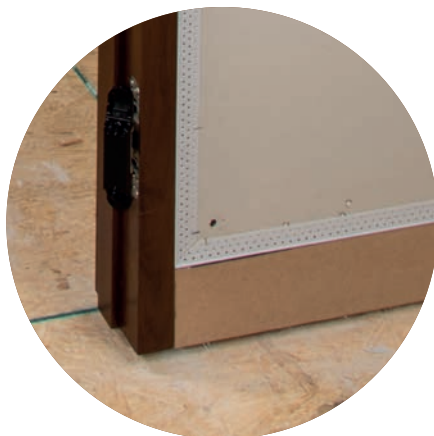
Finish remaining drywall edges and install baseboard.



⚠ MOUNT CONCEALED HINGES TO JAMB FIRST USING SUPPLIED SCREWS.



Align door with hinges and mount with provided screws. Adjust hinges if necessary and attach cover plate.

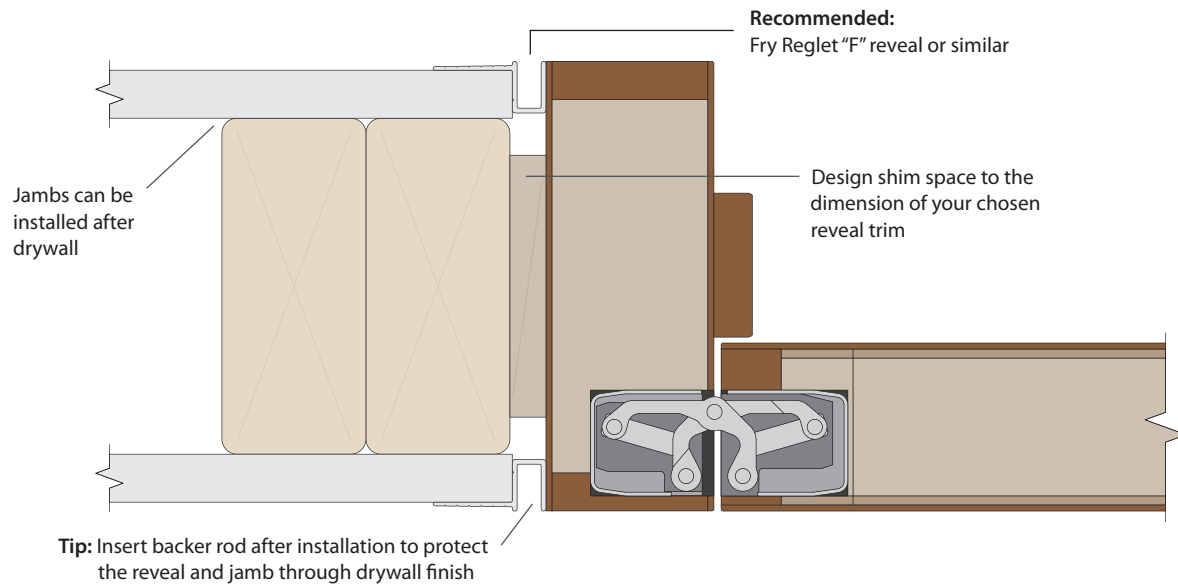


Baseboard Idea:

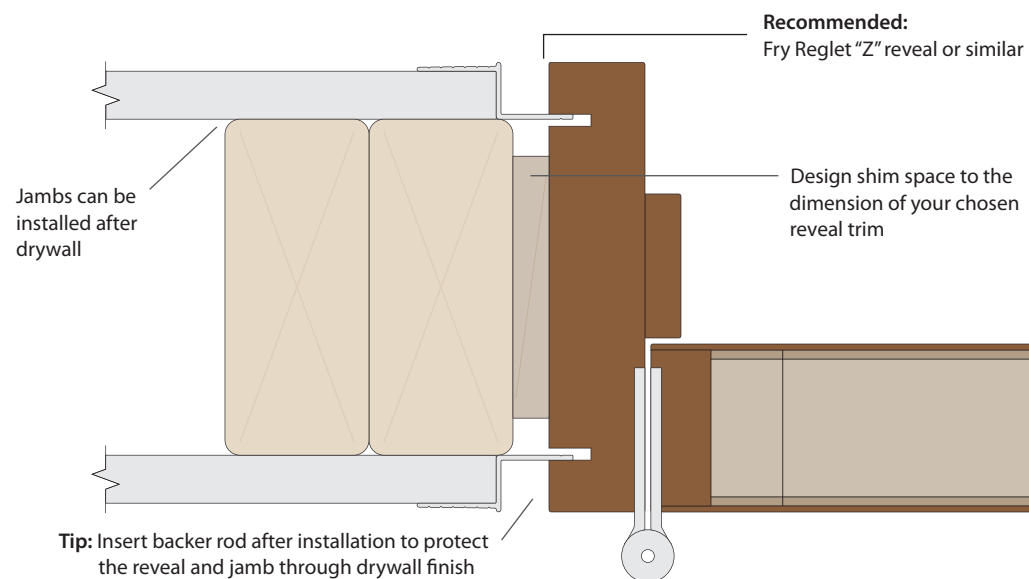
Consider finishing your recessed trim at the same width of your jamb for a sleek modern look.

Reveal Jamb

Cross-Section of Reveal Jamb Installation with Concealed Hinge



Cross-Section of Reveal Jamb Installation with Barrel Hinge



Reveal Jamb Installation



Assemble and install jamb before hanging drywall. For this application, you may need to remove stop before installation.



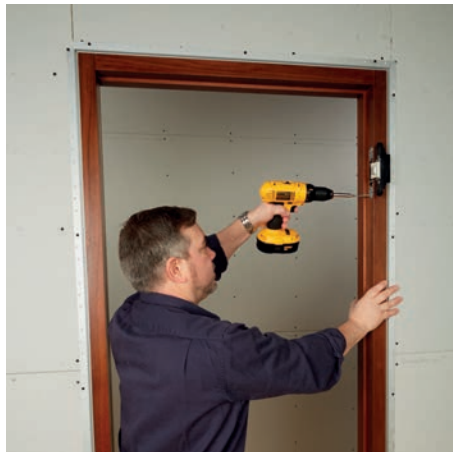
Lift drywall to baseboard height using a block for support. Mount drywall and trim to rough opening. Install jamb.



Finish drywall edges around jamb with reveal trim.



Finish remaining drywall edges and install baseboard.



⚠ MOUNT CONCEALED HINGES TO JAMB FIRST USING SUPPLIED SCREWS.
Reinstall stop if necessary.



Align door with hinges and mount with provided screws. Adjust hinges if necessary and attach cover plate.



Baseboard Idea:

Continue the reveal trim and finish with painted recessed baseboard for a touch of definition within a clean modern look.



- 1/16" Veneer Faces
- 5/8" Hardwood Lumber Bands
- 3/4" LSL Cross Band
- HDF Backer
- LSL Core



TruStile flush wood doors feature hand-selected veneers, precision matched to optimize the beautiful character found across each species of natural wood.

Distinguishing Features:

- Hand matched 1/16" veneers available in horizontal and vertical grain
- Highly engineered core provides stability for the door, while the matching hardwood edge provides a beautiful finish

| Specification | Description |
|--------------------|--|
| Thickness | 1-3/4" |
| Maximum size | 48" x 120" |
| Matching for Pairs | Pair matching standard |
| Stiles | 5/8" wood laminated to 3/4" laminated strand lumber (LSL) |
| Rails | 5/8" wood laminated to 3/4" laminated strand lumber (LSL) |
| Core | HDF-faced laminated strand lumber (LSL) core |
| Face | 1/16" wood veneer |
| Options | 20-, 45-, 60- and 90-minute rating <i>Refer to fire door section of our website for details</i> |
| Notes | Doors under 80" tall will not have bottom lumber band |
| Warranty | Life of original installation <i>See our website for complete warranty details</i> |
| Factory finish | Standard stains Custom color match available |



TMF1000 in Rift Sawn White Oak with Hazelnut Stain



www.trustile.com

Front Cover: TMF1000 in Rift Sawn White Oak with Hazelnut Stain and Reveal Jamb.

Back Cover: TMF1000 in Plain Sawn White Oak with Grey Mist Stain.

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