

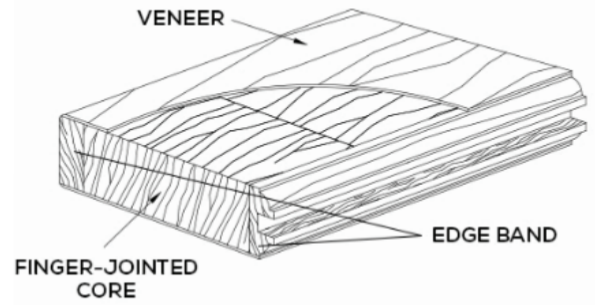
Door Component Construction Options

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Standard Construction: Engineered Components

Simpson uses a variety of innovative techniques to build the best doors. And while there are a number of ways to build a stile and rail wood door, Simpson believes in the enduring quality of a door with engineered stiles. What does that mean? It means your door's stile components, the longest components in the door, are made of multiple pieces of wood rather than a single piece of wood. This adds strength and long-lasting quality while looking exactly as if they were constructed from a single piece of wood.



Finger-Jointed/Wood Core

The all-wood core in a Simpson stile provides incredible strength and durability. And all components in the core are finger-jointed, not edge glued. Finger-joints are superior joints as they have greater gluing surface for added strength.

Outer Edge Band

The outer edge band blends with surface veneers so that the finger-jointed core is not visible.

Inner Edge Band

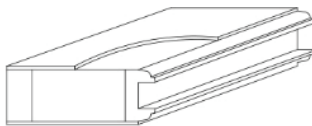
Inner edge bands are provided so that no finger-joints show in the sticking.

Surface Veneer

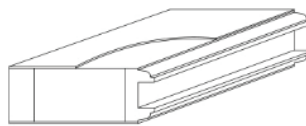
Specially selected vertical grain cants are sliced for the stile and rail faces. The cants are run through a hot water bath to soften the wood fibers to obtain a smooth slice without tearing the grain. The resulting veneers are dried to a similar moisture content as the core material. By using these selected veneers, surface quality is enhanced.

Simpson knows that different projects call for different veneer thickness. As a standard, Simpson uses thick 1/16" veneers for all wood species. This thickness allows for multiples refinishes over the life of the door.

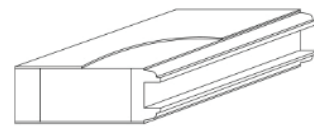
For projects that require a thicker veneer, consider 1/8" or 1/4". Simply let your Simpson door supplier know your project requirements up front and we can build exactly what you need.



1/4" Veneer



1/8" Veneer

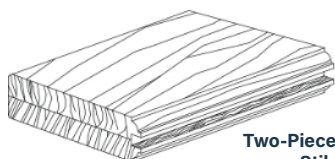


1/16" Veneer

Optional Construction: Solid Components

Two-Piece Stiles and Rails

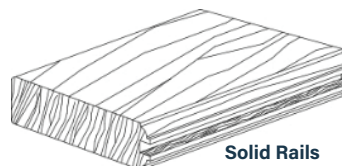
Two-piece laminated stiles are Simpson's preferred method when making solid wood components. Combining two pieces of lumber results in a straighter and more stable stile, while retaining the same characteristics you are looking for from a solid component.



Two-Piece Laminated
Stiles and Rails

Solid Rails

Select pieces of raw lumber are used for solid rail materials. These solid wood pieces are machined to the desired size, and then profiles are added to prepare the rail module for assembly. By utilizing one solid piece of material, for these shorter components both sides of the door generally possess symmetrical grain patterns.



Solid Rails

