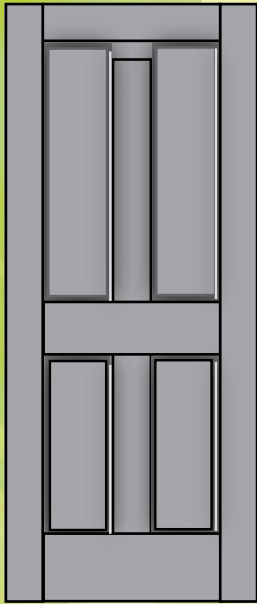
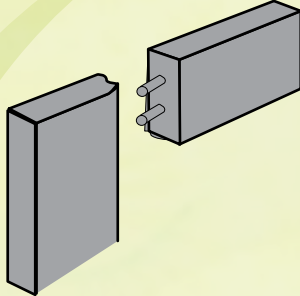


# FSC™ Stile and Rail Door



**Engineered hardwood FSC Certified stave lumber core.  
Hardwood lumber stile and rail banding.**



**Traditional construction with solid sticking, rails  
coped to stile profile, doweled together and glued  
under pressure.**

Algoma Stile and Rail doors are manufactured with high quality hardwood lumber, a variety of foreign & domestic veneers and surfaces for paint finish.

Doors are available factory machined for hardware and factory finished to provide smooth, high quality installations. Stile and rail components are joined with dowels and glued under pressure. This construction combined with Algoma's craftsmanship provides maximum strength and durability.

**Positive Pressure Note:** Algoma recommends using Category B 1/3 hour single swing doors. Please refer to Positive Pressure in Product Features Detail Section below. The selection of Category B 1/3 hour doors will offer cost savings and no aesthetic compromise.

## Product Features

<b>THICKNESS</b> – 1 3/4" (44mm) or 2 1/4" (57mm) 1 3/8" (35mm) available non-labeled.	
<b>SIZES</b> – Available in prefit sizes from 1'0" x 6'8" (300 x 2030mm) to 4'0" x 9'0" (1220 x 2740mm). In FD 1/3 hour, 4'0" x 9'0" (1220 x 2740mm) is maximum for singles and 8'0" x 9'0" (2440 x 2740mm) for pairs.	
<b>STILES (EDGE BANDING)</b> – 1 3/8" (35mm) prior to factory trimming, glued to core. ME-same species available, CE-compatible species standard.	
<b>TOP &amp; BOTTOM RAILS</b> – SLC/SCLC (mill option).	
<b>CORE</b> – FSC Certified stave lumber core.	
<b>STILE &amp; RAIL VENEERS</b> – Various foreign and domestic species. Faces are a minimum of .062" (1.6mm) at 12% moisture content. All faces to be per WDMA I.S. 1-A face grades.	
<b>ADHESIVES</b> – Doors constructed using water-resistant adhesives (Type 2).	
<b>PANELS</b> – Veneer wrapped raised panel, flat panels and Full Lite constructions are available. Panels and door faces are the same grade and specie but are not from the same flitches. Color and grain variation will occur. Paint grade doors may have varying species.	
<b>DETAILS</b> – Standard lites and louvers available. Maximum glass opening for 1/3 hour rating with wire glass is 1296 sq. in. (.83m <sup>2</sup> ). Glazed lite openings over 1296 sq. in. (.830m <sup>2</sup> ) may be specified as 1/3 hour rated. This configuration requires factory glazing with ceramic glass and a special beading system. Lite openings may be a maximum of 35" (889mm) wide, 77" (1955mm) long and have an area of 2695 sq. in. (1739m <sup>2</sup> ) or less.	
<b>MACHINING</b> – Available with hinge and lock machining as well as drop seals, pivots and other hardware.	
<b>FINISHING</b> – Available in finishes with performance characteristics equivalent to AWI System TR-6, standard or custom colors. Also available primed, sealed, or sealed top and bottom edges only.	
<b>WARRANTY</b> – For interior, full warranty for life of original installation.	
<b>COMPONENT DIMENSIONS</b> – Standard and 20 minute rated:	Minimum for non-label and doors under 1'6" (460mm) wide:
Stiles 6" (152mm)	Stiles 3" (75mm)
Top rail 6" (152mm)	Top rail 6" (152mm)
Bottom rail 9.5" (241mm)	Bottom rail 9.5" (241mm)
Vertical mullions 4" (100mm)	Vertical mullions 3" (75mm)
Intermediate rail 4" (100mm)	Intermediate rail 3" (75mm)
<b>POSITIVE PRESSURE – CATEGORY A:</b> Singles and pairs have intumescent built into the door, and no additional fire seals are required. If smoke and draft control doors are also required, then a category H seal must be applied to the frame.	
<b>CATEGORY B:</b> Singles and pairs require a category G edge seal applied to the frame. Pairs also require a category G edge seal applied to one of the meeting edges.	
<b>FIRE RATINGS</b> – Full Lite & veneer wrapped raised panel are available in 20 minute ratings only.	

Note: Stile, rail and mullion dimensions may vary to accommodate hardware, label and warranty requirements.

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More than a name...it's a standard.

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