

# RK Doors

## Architectural Wood Doors & Frames

### STILE AND RAIL/PANEL

PG-Paint Grade SW-Solid Wood WV-Wood Veneer

- Stiles and rails securely bonded to panels, then entire unit sanded. Applied trim installed as required
- Face laminates glued to stiles, rails and panels in hot or cold press, at manufacturer's option.
- Glued with generally accepted type I or type II adhesives.

#### STILES AND RAILS

- May be manufactured with solid wood or a combination of solid wood and veneer.
- Fastened together by means of dowel or mortise and tenon.

#### RECOMMENDED MIN. SIZE

STILES			
Application	Thickness	Width of Stile	Height of Door
Residential	1-3/16" (33.3mm)	5"-8" (127.0 - 203.2mm)	up to 80" (2032.0mm)
Commercial	1-1/4" (44.45mm)	6"-8" (152.4 - 203.2mm)	up to 9" (2046.0mm)
	2-1/4" (31.75mm)	6"-8" (152.4 - 203.2mm)	up to 9" (2046.0mm)
TOP RAILS			
Application	Thickness	Width of Door	Height of Rail
Residential	1-3/16" (33.3mm)	up to 3' (914.4mm)	5"-8" (127.0-203.2mm)
Commercial	1-1/4" (44.45mm)	up to 4' (1219.2mm)	6"-8" (152.4-203.2mm)
	2-1/4" (31.75mm)	up to 4' (1219.2mm)	6"-10" (152.4-254.0mm)
BOTTOM RAIL			
Application	Thickness	Width of Door	Height of Rail
Residential	1-3/16" (33.3mm)	up to 3' (914.4mm)	5"-8" (127.0-203.2mm)
Commercial	1-1/4" (44.45mm)	up to 4' (1219.2mm)	6"-8" (152.4-203.2mm)
	2-1/4" (31.75mm)	up to 4' (1219.2mm)	6"-10" (152.4-254.0mm)

**NOTE:** Variations to stiles and rails are available however are subject to limitations. To ensure door stability manufacturer must be consulted for special stile and rail requirements.

#### PANEL CONSTRUCTION

Formed flat panels or raised consisting of solid wood or combination of wood and veneer.

#### MINIMUM STANDARDS OF CONSTRUCTION

Doors shall be produced in accordance with manufacturing standards as established by AWMAC (Architectural Wood Manufacturers Association of Canada) and AWI (Architectural Woodwork Institute).

#### TOLERANCES

- Warp and twist shall not exceed 1/4" (6.3mm) after hanging for doors 3'-6" (1066.8mm) in width x 7'-0" (2133.6mm) in height in accordance with AWMAC specified tolerance.
- Telegraphing shall not exceed 1/100" (0.254mm) in 3" (76.2mm) span.
- Thickness shall not exceed +/- 1/16" (1.5mm).
- Subject to limitations hardware tolerance shall be as specified by hardware manufacturer.

#### HANDLING AND INSTALLATION

Those responsible for this work must observe care in the handling, fitting and use of the doors from time of delivery to the job-site, with particular emphasis on the following:

- Doors must be stored flat on a level bed, in an area where the relative humidity is not lower than 25% or higher than 55%. Doors must not be subjected to extreme heat or cold or fluctuation thereof. When doors are stored covered, ensure light cannot penetrate cover and air can circulate.
- Doors must not be hung until the relative humidity in the building is between 25% and 55%.
- Cutouts for lites, louvers, etc., are available. All openings and modifications to doors are subject to limitations.
- Doors must be given a protective covering finish on all surfaces as soon as they are hung, or within one week of delivery to job-site whichever is the earlier. Bottom and top edges of all doors must be given a further two coats of effective sealer before hanging and this must be renewed after any subsequent fitting. All glass in exterior must be bedded in putty or mastic.
- Handle doors wearing clean gloves and do not drop doors across one another or other surfaces.
- Doors must be properly hung on three or more butts and must not be wedged open under tension.
- Cutouts in plastic laminate and backer doors to accommodate view holes, grills, lights or letter slots, etc. must receive prior written approval from the manufacturer and then made as follows:
  - internal angles made with rounded corners,
  - edge of laminate face chamfered, filed or sanded free from chips,
  - clearance provided for normal movement to permit ease of intended use.

**NOTE:** Failure to comply with these requirements will void warranty

**RK reserves the right to alter and change these specifications at any time**

**Fire, Acoustical, Radiation Shield and Other Specialty Doors**

These classifications are designed and constructed for special purposes and are offered with additional specifications and limitations over and above those specified by the RK standard warranty.

## STILE AND RAIL/PANEL

PG-Paint Grade SW-Solid Wood WV-Wood Veneer

### DESCRIPTION

Stile and Rail doors or Panel doors are built to give the door appearance a distinctive look. As the panels in the door can be flat or raised, they can be made to almost any shape and size and thereby offer an endless variety of door possibilities. Doors can be ordered from designs available from RK or custom made to custom specifications.

### TYPICAL SIZES

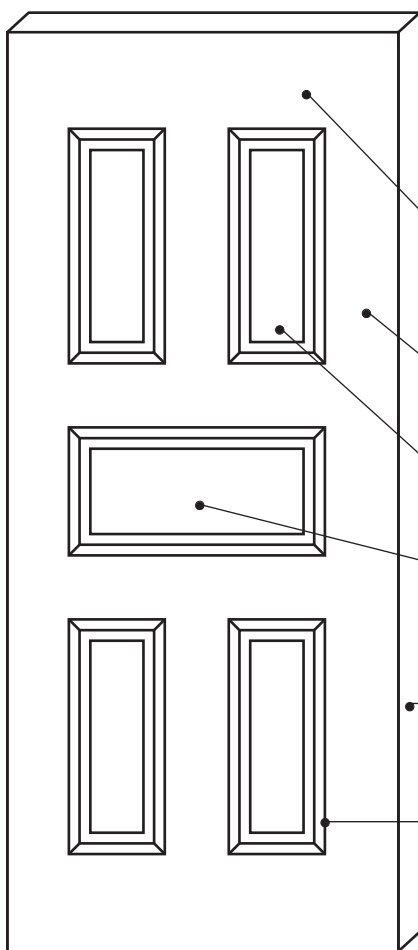
#### RESIDENTIAL:

1<sup>-5/16</sup>" (33.3mm) x 6' - 8" (2032.0mm)

#### COMMERCIAL:

1<sup>-3/4</sup>" (44.45mm) x 7' - 9" (2133.6mm - 2743.2mm)

2<sup>-1/4</sup>" (57.15mm) x 7' - 9" (2133.6mm - 2743.2mm)



RAIL -

STILE -

PANELS -

either solid wood or veneered,  
depended on user on applica-  
tion.

EDGES - to match.

PROFILED EDGES - may be manufactured as part of  
the stiles and rail or applied trim.

**WARRANTY -** 1 year limited warranty. For interior use only and exterior use doors available.  
Consult with manufacturer for special required.

**SPECIAL APPLICATIONS -** Doors may be manufactured to customer requirements to include lites,  
louvers decorative mouldings, hardware, transom etc.