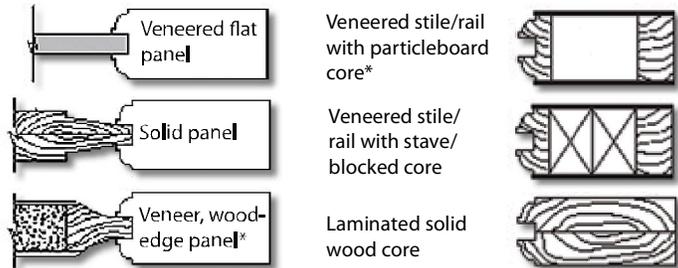
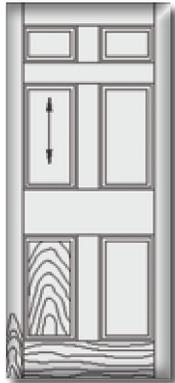


## Typical Stile & Rail Door Construction

- **Residential:** veneered particleboard stiles, rails, and panels (single hip), with a solid wood edgeband. Plain-sliced & random-match veneer.
- **Commercial:** veneered particleboard, stave, SCLC, or solid wood. *Plain-sliced* is standard but *quarter* and *rift* are available; *book-match* is standard; *slip* or *random* available. Spec's guided by either WDMA or AWI.
- **Architectural:** veneered or solid wood stiles, rails, and panels. Virtually anything can be specified according to AWI standards.

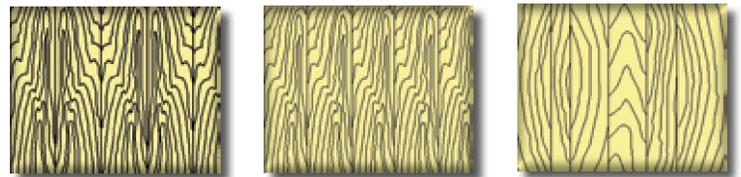
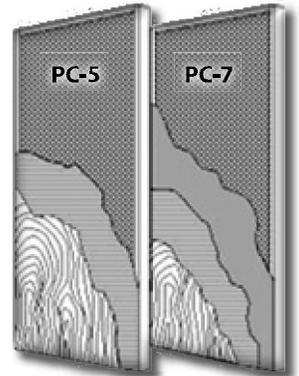


\*Most common production residential panel: veneered, single-hip, no wood edge.

\*This is the most common production residential stile/rail. Another variation is a wrapped particleboard sticking.

## Typical Flush Door Construction

- **Residential:** 4-ply, hollow or solid-core; fir or particleboard frame; book-match, plain-sliced veneer over a plywood or MDF substrate.
- **Commercial/architectural:** particleboard core (agri-fiber, stave, SCLC, or fire available). Edge specie matches the door's face. Veneer is *plain-sliced*, *book-match running* (specify variations: quarter, rift, slip, etc).
- **Plies:** *PC-5* (particleboard core 5-ply) is typically specified for commercial work, including schools, hospitals, and offices. *PC-7* (7-ply) is less expensive and often specified for multi-family and hospitality.



**Book-match**

- Most common
- Symmetrical, matching joints
- Used with plain-slicing

**Slip-match**

- Leaves in sequence
- Repeating figure, no grain match at joints

**Random-match**

- Leaves out of sequence
- Casual, rustic appearance

## Rough Opening

You will find specific rough opening measurements in the tables below. They reflect these general guidelines:

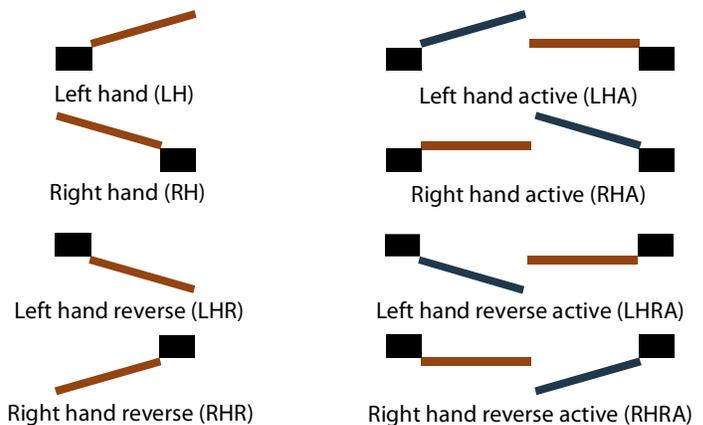
- **Width:** Add 2¼" to the door slab's width. Add an extra ½" to double doors with an astragal.
- **Height:** Add 2½" to its height. A typical R.O. height for 6/8 doors is 82½"; a prehung unit height, 81-¾".
- These dimensions allow ½" on each side and ¾" on top for shimming and squaring.

When measuring an existing rough opening, measure the width at the top, middle, and bottom, and the height on both sides. Then, record the smallest width and height measurements.

Single Door	
Width	R.O.
2/0	26¼"
2/4	30¼"
2/6	32¼"
2/8	34¼"
3/0	38¼"

Double Door		
Width	R.O.	R.O. w/astragal
4/0	50¼"	50-¾"
5/0	62¼"	62-¾"
6/0	74¼"	74-¾"

## Door Handing



## Walking the Job

- **Joint walk-through:** Marling and builder jointly confirm variations and exactness
- **Verify and mark every rough opening:** Check off the plan. Record variations. Mark the stud (arrow for swing direction)
- **Marking detail:** you might include any or all of the following: 1) opening # 2) door width 3) handing 4) jamb size 5) room type

*Example: #101A, 2/6, LH, 5¼, bed*

