

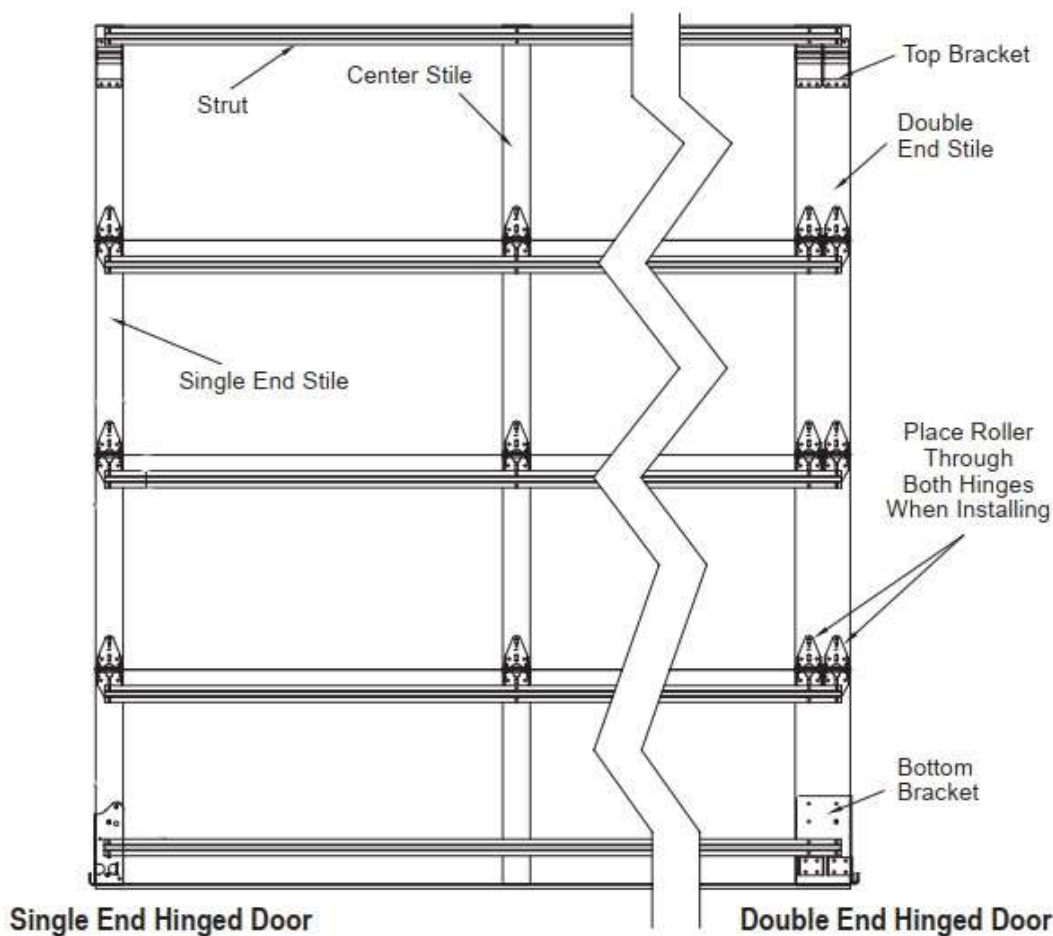
Tech's Corner - Double End Stiles: Part 2

The purpose of double end stiles is to add additional support to allow two outside hinges and long stem rollers. Double end stiles are sometimes a requirement for garage door hardware due to width, height, or windcode. If the door bows in the open position or with strong winds, the roller stems can bend the end hinges. Double end stiles add additional support to prevent this type of damage from occurring. Double end stiles mean the door comes with double end hinges, double top brackets, and long stem rollers. **However, the double end stiles on the bottom section only have double end stile bottom brackets if the door is over 1,500 pounds.**

Single and Double End Stile Comparison

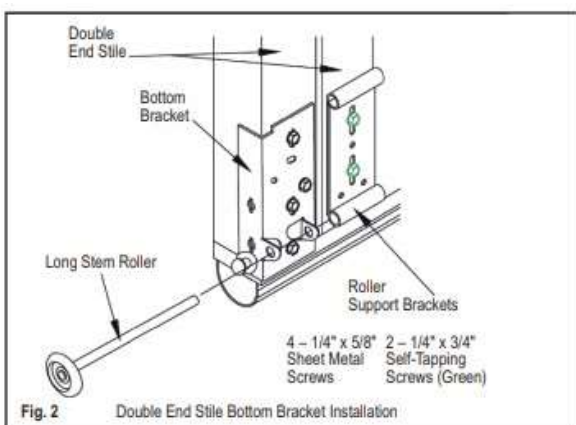
1-3/8" thick EPS and FIR commercial doors are standard in all width as single end stiles.

These doors go up to 18'2" wide and follow residential rules.



Double end stiles are available in Additional Options as an upgrade or may be required. Most commercial doors exceeding widths of 14'2" wide come standard with double end stiles. However, there is no simple classification for which door will contain double end stiles. For example, polystyrene Residential 2" thick doors 18'2" wide and over 8' tall will have double end stiles, but the same door in a Windcode 8 Size 10' x 8' will require double end stiles.

Double Bottom Bracket



Single Bottom Bracket with Double End Stile



Two low headroom brackets can be installed on each side of the door to add additional reinforcement for long stem rollers when using single bottom brackets with double end stiles.

The first bracket is facing up and the top bracket has the roller carrier facing down.

Qty 2 - 0330085 - 1/4" x 3/4" Self-Tapping Screws are needed for installing each set of low headroom top brackets.

Double end stile hinges are installed side by side, the roller passes through both double end hinges in the lower roller location furthest away from the door sections.

Double end stiles are 6" wide to accommodate two hinges side by side.



Single end stiles are 2.5" wide. Doors with single end stiles cannot be used for double hinges because they lack the reinforcement needed for the hinge to install on the section and there is no backer plate or any way to field install a double end stile.