

Chapter 5 – Erecting Exterior Long Walls

Preparation	<ol style="list-style-type: none">1. Apply two generous beads of air sealing caulk parallel to each other along the entire length where the wall will stand <u>except at door openings. Stay at least 2" away from chalk line and deck edge. Apply a bead of caulk perpendicular to the two long beads at ends of deck and each door opening.</u>2. Assemble two braces for each long wall. With one 16d duplex nail, attach the 2x4 brace to each end stud near the upper plate to serve as a temporary support.
Erecting the Long Walls	<ol style="list-style-type: none">3. Stand the wall section up, keeping the inside of the floor plate flush to the chalk line on the deck.<ol style="list-style-type: none">a. Align the 5½" marks on the bottom plates with the adjoining wall chalk lines (the ends of the wall may not align with the edge of the deck).b. <u>Working from one end of the wall to the other</u>, nail the wall to the deck.4. Brace the wall at each end using the long 2x4 braces attached to the wall.<ol style="list-style-type: none">a. Tip the wall out slightly (about ½").b. Rotate the 2x4 spacer block attached to the brace horizontally, nail to the rim. Add a second nail through the brace into the 2x4 spacer block.c. Secure the top of the brace with a second 16d duplex nail.5. Install turnbuckle pipe braces in the middle sections of the wall for extra support.<ol style="list-style-type: none">a. Use three 2½" drywall screws in the upper plate and through the floor <u>into an I-joist.</u>b. Or, screw the brace into 2x blocking secured to two I-joists with 16d duplex nails.c. Install the braces 10' to 12' apart, but don't place the brace where an interior wall will intersect an exterior wall.

Quality Points

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- Thick, double line of caulk laid on deck under bottom plate
- Wall bottom plate is properly secured along chalk line and lined up with short wall marks
- Wall is braced at ends and center
 - Bottom of brace has a 2x spacer against rim board
- Wall is slightly 'out' at top