

Chapter 5 – Erecting Exterior Long Walls

Preparation	<ol style="list-style-type: none"> 1. Erect long walls first 2. 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</u>. <ol style="list-style-type: none"> a. Stay at least 2" away from the chalk line and the deck edge. b. Apply a bead of caulk perpendicular to the two long beads at both ends of the deck and at each side of any door opening. 3. Assemble two braces for each long wall. Attach a 2x4x24" spacer block to the lower inside center of a 14' or 16' 2x4 brace with a 16d duplex nail. Center the nail in the spacer block, nail through the long brace into the spacer block. This spacer block will allow clearance for the 1" foamboard on the short walls when they are erected. 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"> 4. 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. On the long walls, be sure to 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 with two 3¼" collated nails through the floor plate between each stud and into each <u>I-joist</u> below the OSB deck. 5. To prevent the wall from tipping over, brace it 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 board with two 16d duplex nails. 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. 6. Install turnbuckle pipe braces in the middle sections of the wall for extra support. <ol style="list-style-type: none"> a. Install using three 2½" drywall screws into 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