

## Quick Reference Guide

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Version 24.0

### Chapter 1 - Installing Sill Plates and Egress Ladders

Foundation Preparation	<ol style="list-style-type: none"><li>1. Trim any foamboard extending above the top surface of the foundation</li><li>2. Remove any debris from the top surface of the foundation</li><li>3. Check straightness of the chalk lines with a string line</li><li>4. Locate and mark any foundation bolts that will interfere with I-joist or LVL beam installations</li><li>5. Install sill plates on short walls first; then proceed to long walls</li></ol>
Install Sill Plates	<ol style="list-style-type: none"><li>6. Place foam sill seal on top of foundation, secured by impaling it onto foundation bolts and held at least 1" back from the chalk lines</li><li>7. Determine layout of sill plates on the walls and cut pieces to appropriate lengths</li><li>8. Mark locations of the foundation bolts on the sill plate material</li><li>9. Drill <math>\frac{3}{4}</math>" or <math>\frac{7}{8}</math>" holes for the bolts</li><li>10. Place the sill plate so it slides over the foundation bolts and is aligned with the chalk line</li><li>11. Secure the sill plate with a <math>\frac{1}{2}</math>" nut on top of a 5/16" washer, which is on top of a rectangular concrete form tab</li></ol>
Caulk Sill Plates	<ol style="list-style-type: none"><li>12. Apply air sealing caulk between all sill plates where they abut and toenail seams with 8d nails</li><li>13. Lay a thick bead of air sealing caulk on the interior side of the sill plate where it meets the foundation</li></ol>
Install Egress Ladder(s)	<ol style="list-style-type: none"><li>14. Install egress ladder(s) in egress well(s), making sure ladders are plumb</li><li>15. Replace metal and wood egress covers</li></ol>

## Quality Points

### Chapter 1 – Installing Sill Plates and Egress Ladders

- No sill seal extends over the foundation chalk line
- All sill plates are flush with the chalk line
- All sill plates are attached to at least two foundation bolts
- Sill plates are secured at each foundation bolt with a washer, concrete form tab, and nut, as needed
- All foundation bolts marked as interfering with I-joist or LVL beam installations have been countersunk so that the washer and nut sits below the sill plate surface
- Sight along the top of the sill plates to ensure they are straight and there are no valleys or hills
- Sill plate seams are toenailed together with 8d nails
- Sill plate seams are completely filled with air sealing caulk
- Caulk completely seals the joint where the sill plate meets the foundation
- Egress ladder(s) are installed in window well(s). Ladder(s) are plumb, centered on the wall opposite to the window, and secured with two 1 $\frac{3}{4}$ " concrete screws
- Metal and temporary wood egress covers are installed