

## Quick Reference Guide

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### Chapter 2 - Sill Box Foamboard, Decking

Cut Foamboard	<ol style="list-style-type: none"><li>1. Rip 1" foamboard sheets into 9-7/16" wide strips</li><li>2. Cut strips into two standard lengths: 18<sup>3</sup>/<sub>8</sub>" for between I-joists and 31<sup>5</sup>/<sub>8</sub>" for between end blocking</li><li>3. Use Notch Cutting Jig to notch corners of each foamboard piece</li></ol>
Install Foamboard	<ol style="list-style-type: none"><li>4. Install foamboard into each sill box area</li><li>5. Apply acrylic caulk all around the inside where the foamboard meets the sill plate and the I-joists</li><li>6. Caulk or tape any seams in foamboard</li></ol>
Plan & Install Floor Decking	<ol style="list-style-type: none"><li>7. Begin decking at zero corner on side of house that does NOT contain the stairway opening</li><li>8. Determine best layout pattern to minimize waste</li><li>9. Snap chalk lines at 48" intervals across the width of the foundation</li><li>10. Install the first course of decking<ol style="list-style-type: none"><li>a. Apply continuous bead of adhesive to the tops of rim boards, I-joists and end blocking</li><li>b. Drop a sheet of decking on the I-joists, with its grooved edge aligned with the first 48" chalk line</li><li>c. Square the sheet with the underlying I-joists and nail corners with 8d nails</li><li>d. Adjust the I-joists to 19.2" centers and nail with 8d nails</li><li>e. Repeat with all subsequent sheets of decking for the first course (leaving a 1/8" gap between ends of sheets)</li></ol></li><li>11. Install remaining courses of decking<ol style="list-style-type: none"><li>a. Apply continuous bead of adhesive to the tops of rim boards, I-joists and end blocking</li><li>b. Drop a sheet of decking on the I-joists, with its tongue edge facing the grooved edge of the previous course</li><li>c. Use a sledge hammer and 6 – 8' piece of scrap 2x4 to move the new piece tightly to the previously installed course of decking</li><li>d. Square the sheet with the underlying I-joists and nail corners with 8d nails.</li><li>e. Adjust the I-joists to 19.2" centers and nail with 8d nails</li><li>f. Be sure to leave a 1/8" gap between ends of sheets</li></ol></li><li>12. Complete nailing of all sheets of decking with seven 8d nails on the edges and five 8d nails in the field</li><li>13. Cut away decking over stairway opening, leaving a 1<sup>1</sup>/<sub>4</sub>" overhang where the top of the stairs will be attached</li><li>14. Securely cover stairwell opening</li></ol>
Basement Preparation	<ol style="list-style-type: none"><li>15. Apply Geocell caulk all around the perimeter of the basement floor where it meets the foundation wall</li></ol>

## Quality Points

### Chapter 2 – Sill Box Foamboard, Decking

- Each sill box is filled with a 1" layer of foamboard which is caulked around its entire perimeter
- All seams between decking sheets are no more than 1/8" wide
- Each decking sheet is properly nailed:
  - seven 8d nails on the edges and five 8d nails in the field
  - nails are sunk to the proper depth
  - any nails that missed the framing below the deck have been removed and re-nailed
- Each sheet has been marked with a red OK
- End blocking marks have been transferred to the top of the decking
- If stairwell opening has been cut, it must be securely covered by the end of the work day
- Basement floor caulked with Geocell caulk.