

Chapter 2 – Decking, Sump Pump Hose and Basement Preparation

<p>Plan & Install Floor Decking</p>	<ol style="list-style-type: none"> 1. Begin decking at zero corner on side of house that does NOT contain the stairway opening 2. Determine best layout pattern to minimize waste 3. Snap chalk lines at 1" less than 4' intervals across the width of the foundation 4. Install the first course of decking <ol style="list-style-type: none"> a. Apply continuous bead of adhesive to the tops of rim boards, I-joists and end blocking b. Drop a sheet of decking on the I-joists, with its grooved edge aligned with the first 48" chalk line c. Square the sheet with the underlying I-joists and nail corners with 8d nails d. Adjust the I-joists to 19.2" centers and nail with 8d nails e. Repeat with all subsequent sheets of decking for the first course (leaving a 1/8" gap between ends of sheets) 5. Install remaining courses of decking <ol style="list-style-type: none"> a. Apply continuous bead of adhesive to the tops of rim boards, I-joists and end blocking b. Drop a sheet of decking on the I-joists, with its tongue edge facing the grooved edge of the previous course 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 d. Square the sheet with the underlying I-joists and nail corners with 8d nails. e. Adjust the I-joists to 19.2" centers and nail with 8d nails f. Be sure to leave a 1/8" gap between ends of sheets 6. Complete nailing of all sheets of decking with seven 8d nails on the edges and five 8d nails in the field 7. Cut away decking over stairway opening, leaving a 1 1/4" overhang where the top of the stairs will be attached. 8. Cut two 1" wide by 1 1/4" deep notches in the decking overhang, one on each side of the stairwell opening. 9. Securely cover stairwell opening
<p>Install Sump Pump Hose</p>	<ol style="list-style-type: none"> 10. Determine best location for hose to exit the sill box 11. Drill 2 1/2" hole through rim board 12. Reposition hose so it exits through that hole
<p>Basement Preparation</p>	<ol style="list-style-type: none"> 13. Cut floor drain flush with surface of concrete floor 14. Remove all debris from basement floor, window frames and egress wells 15. Sweep floor clean next to foundation walls 16. Apply radon caulk all around the perimeter of the basement floor where it meets the foundation wall 17. Cut drain tile 2"-3" below the bottom of the window sill and cover it with a piece of foamboard and at least 2" of stone

Quality Points

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- 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 decking sheet has been marked with a red "OK"
- End blocking marks have been transferred to the top of the decking
- Notches in the decking overhang have been cut on each side of the stairwell opening
- The stairwell opening is securely covered by the end of the work day
- Sump pump hose is repositioned to exit through rim board
- All debris has been removed from basement floor, the egress wells, and around the basement window frames
- Basement floor perimeter is caulked with radon caulk
- Basement floor drain is cut flush with surface of concrete floor
- Drain tile is trimmed to proper height and covered with foamboard and at least 2" of stone