

Chapter 6 - Second Floor Deck

Things to Consider

- The deck is built with floor trusses.
 - These trusses cannot be altered.
 - These trusses must be installed as specified.
- When installing the large trusses, ensure there are enough volunteers to safely handle them.
- When installing the decking, limit the number of volunteers working near the edge.

Components

Floor Trusses Strong-backs	Decking	Band Boards
-------------------------------	---------	-------------

Timing & Prerequisites

- This phase of the project cannot begin until the First Floor exterior and interior walls and second top plates are complete.
- The House/Project Lead will work with the Habitat Supervisor to co-ordinate these volunteer activities.
-

Materials Needed

Materials Needed	
Joists	Decking
2x10s (Band Boards)	¾" Tongue-in-groove OSB
2x10s (Floor trusses)	Construction Adhesive
16d Common Nails	8d Spiral Shank Galvanized Deck Nails
Single and Double Joist Hangers	Miscellaneous Plywood
8N Hanger Nails	Miscellaneous 2x4s

Phase Specific Tools Needed

Phase Specific Tools Needed	
Description:	Quantity:
Framing	
<ul style="list-style-type: none"> ○ Large Caulking Gun ○ Sledge Hammer ○ 4" Bar Clamp (1) ○ 100' Tape Measure (2) 	

Activities

Most of the activities in this section are variations of the activities in the First Floor Deck chapter; therefore, this chapter will reference the first floor deck activities and only note the differences.

Organize the Lumber

Reference steps 1 – 5 of “Organize the Lumber and Trusses” for the in Chapter 4.

Layout Floor Trusses

Reference steps 1-3 of “Layout the Floor Trusses” in Chapter 4, replacing references to Sill Plate with Doubling Top Plate.

Install Floor Trusses

Reference steps 1-5 of “Install Floor Trusses” in Chapter 4, replacing references to Sill Plate with Doubling Top Plate.

Install Front and Back Band Boards

Reference “Install Front and Back Band Boards” in Chapter 4, replacing references to Sill Plate with Doubling Top Plate.

Install Ribbon Boards

Reference “Install Ribbon Boards” in Chapter 4.

Install Strong-backs

Reference “Install Strong-backs” in Chapter 4.

Install Parallel Joist Blocking

Reference “Install Parallel Joist Blocking” in Chapter 4.

Install Decking

Reference “Install Decking” in Chapter 4.

Cut off the Excess OSB

Reference “Cut off the Excess OSB” in Chapter 4.

Cut Opening for the Stairway

Reference “Cut Opening for the Stairway” in Chapter 4.

Cut Off Excess OSB

Reference “Cut Off Excess OSB” in Chapter 4.

Install Guardrail around the Stairway Opening

Reference “Install Guardrail around the Stairway Opening” in Chapter 4.