

## 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
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### 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 Superintendent to coordinate these volunteer activities.
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### Materials Needed

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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"> <li>○ Large Caulking Gun</li> <li>○ Sledge Hammer</li> <li>○ 4" Bar Clamp (1)</li> <li>○ 100' Tape Measure (2)</li> </ul>	

## 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.