

Chapter 7 - Second Floor Walls

Things to Consider



Components

Timing & Prerequisites

- This phase of the project cannot begin until the second floor deck has been completed.
- 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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<i>Wall Framing</i>	
Precut Studs (92 5/8")	
2x4s for Plates, Headers, and Bracing	
2x12s for Headers	
2x6s for Plumbing Walls	
1/2" OSB	
16d Common Nails	
12d Common Nails	
8d Common Nails	
Adhesive Caulk	

Phase Specific Tools Needed

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Description:	Quantity:
Framing	
○ 8' Level (1)	○ 100' Tape Measure (2)
○ Reciprocating Saw (1)	○ Sledge Hammer (1)
○ Plumb Bob (1)	○ Tin Snips (1)
○ 4" Bar Clamp (1)	○ String (100')
	○ Caulk Gun

Activities

Organize the Lumber

1. Reference “Organized the lumber” in Chapter 5.

Build Window Headers

1. Reference “Door and Window Headers” in Chapter 5.

Build 2nd Floor Door Frames

1. Reference “Build Non-Bearing Door Frames” in Chapter 5.

Build 2nd Floor Bearing Window Frames

1. Reference “Build Bearing Window Frames” in Chapter 5.

Build 2nd Floor Non-Bearing Window Frames

1. Reference “Build Non-Bearing Window Frames” in Chapter 5.

Mark the Location of the Exterior Walls

1. Reference “Mark the Location of the Exterior Walls” in Chapter 5.

Mark the Location of the Interior Walls

2. Reference “Mark the Location of the Interior Walls” in Chapter 5.

Layout Exterior Wall Panels

1. Reference steps 1 – 9 of “Layout Exterior Walls” in Chapter 5.

Assemble Exterior Walls

1. Reference “Assemble Exterior Walls” in Chapter 5.

Square up Framed Walls

1. Reference “Square up Framed Walls” in Chapter 5.

Apply OSB

1. Reference “Apply OSB” in Chapter 5.

Cut Out OSB at Windows Openings

1. Reference “Cut Out OSB at Door/Window Openings” in Chapter 5.

Trim Out Windows

1. Reference “Trim Out Windows and Doors” in Chapter 5.

Erect Exterior Walls

1. Reference “Erect Exterior Walls” in Chapter 5.

Install Tee Intersection Wall Blocking

1. Reference “Install Tee Intersection Wall Blocking” in Chapter 5.

String Exterior Walls

1. Reference “String Exterior Walls” in Chapter 5.

Layout and Assemble Interior Walls

1. Reference “Layout and Assemble Interior Walls” in Chapter 5.
2. Note – all doors will be non-bearing.

Erect Interior Walls

1. Reference “Erect Interior Walls” in Chapter 5.

Verify All Walls

1. Reference “Verify All Walls” in Chapter 5.

Install Double Top Plates

1. Reference “Install Double Top Plates” in Chapter 5.

Install OSB on Floor Truss Ends and Back Band Boards

1. Reference “Install OSB on Floor Truss Ends and Back Band Boards” in Chapter 5.

Quality Assurance Checklist

- Double check the opening of each door and window to the prints.
- Double check the door frames are plumb.
- Double check the dimension of the rooms.
- Double check the size of the stairway opening.