

Quick Reference Guide

March 2019
Version 2019.0

Chapter 4 - Building Interior Door Components

Identify & Sort Component Lumber	<ol style="list-style-type: none"> 1. Before marking and cutting any component pieces, crown, mark and sort <u>general</u> 2x6 lumber. <ol style="list-style-type: none"> a. Mark and set aside very straight pieces for use in kitchen, tub wall, and sliding closet doors. b. Set aside any unusable lumber for return. 2. Locate and confirm separate Component Package expressly intended for component construction. It should consist of 2x10's, 2x6's, and 2x4's along with one 8'1x6. 3. Determine window and door sizes and dimensions from House Plan Supporting Documents.
Cut Pre-Defined Component Pieces	<ol style="list-style-type: none"> 4. Referring to the Component Cut List, cut pre-defined pieces of 2x10' headers, 2x6' headers, 2x4' headers, 2x6 window sill pieces, and 2x4 and 2x6 Jack studs. <ol style="list-style-type: none"> a. Locate the set of cutting diagrams and package of Component Assembly Drawings in a 3-ring binder in the site support box. b. From the Component Package, select a lumber piece of the specific length shown on the bar chart—e.g., a 12' or 16' piece. c. Cut the individual pieces to the exact lengths shown. (This system is designed expressly to minimize waste.) d. Label each piece with its length and set aside for assembly. e. Make a check mark on the cutting diagram to record that each piece has been cut.
Assemble Components for Swinging Doors	<ol style="list-style-type: none"> 5. Refer to the Component Assembly Drawings showing the specific number of interior doors required for that house. 6. Per the assembly drawings, select two matching length 2x4's and nail together lengthwise to create a "T" header. NOTE: Some houses may include a 2x6 wall and sliding closet door designed for piping from the basement. The T-header for these walls will consist of a vertical 2x4 and horizontal 2x6 per the component cut list. 7. Assemble the door components <ol style="list-style-type: none"> a. Select two 81" 2x4 pieces from the precut component package for use as Jack studs for each main floor swinging door and two 82" pieces for each basement swinging door. b. Nail each Jack stud to a standard 2x4 stud with one crown up and the other crown down. Flush the sides and one end, clamp and nail with 3¼" Paslode nails, no more than 12" apart, and staggered on opposite sides. c. Place the T-header upside-down on top of the Jack studs and nail through the King studs into the ends of both header pieces. Do not nail basement pairs to their headers. 8. Label the header with the size of the door—e.g., 2868—and set aside. Label basement components with "Basement" on header also and bundle them together.
Assemble Components for Sliding Doors	<ol style="list-style-type: none"> 9. Construct the T-headers as above. NOTE: Only one end of the flush-door header will rest on a Jack stud. The other will extend into the exterior wall and rest on a cross-piece. 10. For <u>non</u>-flush sliding doors, select <u>two</u> 82" 2x4 Jack studs for each main floor door and two 83" for basement doors, pair with two 2x4 studs, combine, and attach a T-header as above. Do not attach basement pairs to their headers. 11. For <u>flush</u> sliding doors, select <u>only one</u> 82" Jack stud and one King stud for each main floor door and one 83" Jack and King for each basement door. Combine as above. 12. However, DO NOT NAIL the header to the single Jack/King pair at this time (normally it is easier to assemble during wall building). 13. Label header and Jack/King pair with the door size and type—e.g., 4068 slider--and set aside. Label basement components with "Basement" on header also and bundle them together.

Quality Points

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- Verify correct # of each component and that they are properly labeled with type and size
- All king/Jack pairs are properly nailed from Jack stud into King stud and are flush at the bottom and along the edges and with top of header and exterior surface of header
- All interior headers are properly nailed
- Sliding door component pieces are temporarily secured together
- Non-swinging door component jack studs are 1" longer than swinging door component jack studs
- All components are labeled with door size and type-e.g. 4068 slider, etc.
- All basement door components are bundled and properly labeled.