

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 2x6 stud 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, 2x6 and 2x4 headers and 2x6 and 2x4 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. d. Label each piece with its length and set aside for future 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 for the specific number of interior doors needed. 6. Per the above drawings, select two matching length precut 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 and any bows opposite. 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 king/jacks to their headers. d. Label the header with the door size (e.g. 2868) and set assembled component aside. e. For basement components label the header with size of door & "Basement", label the king/jack pairs with the jack stud length & bundle all pieces together and put in basement.
Assemble Components for Sliding Doors	<ol style="list-style-type: none"> 8. Construct the T-headers as Step 6 above. NOTE: For Flush Sliding Doors, 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 within the wall. 9. For <u>non</u>-flush sliding doors, select two 82" 2x4 Jack studs for each main floor door and two 83" Jack studs for basement doors, pair with two standard 2x4 studs and combine as Step 7b above. Do NOT attach king/jack pairs to their corresponding header simply bundle and label header with door size, type and jack studs with jack stud length. 10. For <u>flush</u> sliding doors, select only <u>one</u> 82" Jack stud for each main floor door and one 83" Jack stud for basement doors, pair with one 2x4 stud and combine as Step 7b above. 11. Do not attach king/jack pairs to its corresponding header. Label the header with size of door and each King/Jack pair with the jack stud length, bundle together and set aside. 12. For basement components add "Basement" to all pieces.
Assemble Components for Folding Doors	<ol style="list-style-type: none"> 13. Construct the T-headers as Step 6 above. 14. For folding doors, select two 80" 2x4 Jack studs for each main floor door and two 81" Jack studs for each basement door, pair with two standard 2x4 studs and combine as Step 7b above. 15. Do not attach king/jack pairs to their corresponding header. 16. Bundle and label the header with door size and each king/jack pair with jack stud length. 17. For basement component add "Basement" to all pieces.

Quality Points

Chapter 4 - Building Interior Door Components

- Verify correct # of each component
- 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
- Main Floor Sliding and Folding door component pieces are temporarily secured together
- Main Floor door component jack stud lengths are as follow: Swinging doors – 81”, Sliding doors – 82”, Folding doors – 80”
- Basement door component jack stud lengths are as follow: Swing doors – 82”, Sliding doors – 83”, Folding doors – 81”
- All components are labeled with door size and type-e.g. 4068 slider and Jack stud length
- All basement door components are bundled and properly labeled with “Basement” on header and King/Jack pairs.