Quick Reference Guide

January 2025
Version 25.0

Chapter 4 – Assembling Main Floor Interior Wall Components

Identify & Sort Component Lumber	1. Before marking and cutting any component pieces, crown, mark and sort 2x4 stud lumber. a. Mark and set aside very straight pieces for use in kitchen, tub wall, and sliding closet doors. 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 door sizes and dimensions from House Plan Supporting Documents.
Cut Pre-defined Component Pieces	4. Referring to the Component Cut List, cut pre-defined pieces of 2x6 and 2x4 headers and 2x4 Jack studs. a. Locate the Components Binder (cutting diagrams, package of Component Assembly Drawings). b. From the Component Package, select a lumber piece of the specific length shown on the bar chart. c. Label each piece with its length and set aside for future assembly. d. Make a check mark on the cutting diagram to record that each piece has been cut. 5. Refer to the Component Assembly Drawings for the specific number of interior doors needed. For Bi-Level homes, do not pre-build basement door components 6. Obtain 3" Collated nails from the Component Bin, for use when assembling King/Jack studs.
Assembling Components for Swinging Doors	7. Select two matching lengths precut 2x4's and nail together lengthwise to create a "T" header. NOTE: Some houses may include a door in a 2x6 wall to accommodate piping from the basement. The T-header for these walls will consist of a vertical 2x4 and horizontal 2x6 per the component cut list. 8. Assemble the door components: a. Select two **81"** 2x4 pieces from the precut component package for use as Jack studs for each main floor swinging door or two **82" pieces for each basement swinging door**. b. Nail each Jack stud to a 92-5/8" 2x4 King stud with one crown up and the other crown down and any bows opposite. Flush the sides and one end, clamp and nail with 3" Collated 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 with two 3 1/4" Collated nails. **Do not nail basement king/jacks to their headers.** d. Label the header with the door size and set assembled component aside. e. **For basement doors 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.**
Assembling Components for Sliding Doors	9. Construct the T-headers as Step 8 above. 10. For non-flush doors, select two **82"** 2x4 Jack studs for each main floor door or two **83" Jack studs for basement doors**, pair with two 92-5/8" 2x4 studs and assemble as Step 9b above. **Do NOT attach king/jack pairs to their corresponding header** (bundle and label header with door size, type and jack studs with jack stud length). 11. For <u>flush</u> sliding doors, select only <u>one</u> **82"** Jack stud for each main floor door or **one 83" Jack stud for basement doors**, pair with one 92-5/8" 2x4 stud and assemble as Step 9b above. 12. **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. 13. **For basement doors add "Basement" to all pieces.**
Assembling Components for Bifold Doors	14. Construct the T-headers as Step 8 above. 15. Select two 80" 2x4 Jack studs for each main floor door or two **81" Jack studs for each basement door**, pair with two 92-5/8" 2x4 studs and assemble as Step 9b above. 16. **Do not attach king/jack pairs to their corresponding header.** 17. Bundle and label the header with door size and each king/jack pair with jack stud length. **18. For basement doors add "Basement" to all pieces.**

Quality Points

Chapter 4 - Assembling Interior Wall 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 bundled 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 and Jack stud length
- All basement door components are bundled and properly labeled with “Basement” on header and King/Jack pairs.
- No protruding nails