

SkillsUSA District Competition  
Carpentry

Instructions:

Complete written test

Complete the Rafter Layout and Wall Framing Tasks (Contestant can complete hands on tasks in any order)

Wall Frame : Construct the wall detailed on the plan with the door and window opening.

Notes on Wall Frame:

1. Review the provided plans and or drawings
2. Stud height is 92  $\frac{5}{8}$ " high.
3. Door R/O is 34" wide and 83  $\frac{3}{8}$ " high
4. Window R/O 18" wide and 36" high
5. Use an "L" or energy efficient corner only on the window side of the wall and a single stud for the corner on the door side
6. Install a double top plate allowing for adjoining wall.
7. Start sheathing flush with the bottom of the sole plate

Rafter Layout: Layout the rafter only do not cut the rafter. Rafter used is a 2x6x8

Notes on Rafter Layout

1. Layout a rafter for a building that has a 6' span
2. The roof pitch is an 8/12 pitch
3. See provided plans for ridge and fascia specs.
4. Allow for a 2" x 4 " supporting wall