Competency List

Workplace Orientation & Safety
- Ensure safe work environment
- Proper handling and storage of materials
- Describe safe use and maintenance of tools

Tools & Materials
- Identify hand and power tools commonly used
- Demonstrate the proper use of tools
- Identify types and use of building materials

Construction Math & Plan Reading
- Calculate equations using whole numbers, fractions and decimals
- Describe the types of drawings included in a set of plans
- Translate measurements from plan to work environment
- Demonstrate proper use of measurement tools
- Calculate quantities of lumber and panels

Floor Systems
- Interpret specifications to determine floor system requirements
- Identify floor framing components
- Identify construction methods and floor system materials
- Estimate amount of material needed for floor assembly

Wall Systems
- Identify components of a wall system
- Lay out a wood frame wall
- Correct procedure to estimate materials required to frame walls
- Correct procedure to assemble exterior walls for frame building

Windows & Doors
- Identify components of the building enclosure
- Proper window installation
- Proper door installation

Stairs
- Identify components and terms associated with stair framing
- Determine total rise, number and size of stairway components
- Layout and cut stringers, risers and treads

Ceiling & Roof Systems
- Identify components of a ceiling frame
- Identify common types of roofs
- Identify the components and define the terms associated with roof framing.
- Describe the methods used to lay out a common rafter
- Erect a gable roof and frame a gable end wall

Roof Finishing
- Install roof sheathing
- Perform a material takeoff for a roof

Interior Finishing
- Lay out a metal frame wall
- Calculate material take-off for drywall panelling
- Follow procedure to install wallboard on partition wall
- Finish a wall, in preparation for decoration