



Apprentice Joiner

Job Purpose: Fabricates, assembles and installs timber components working at the direction of more senior team members, following blueprints, drawings, and verbal instruction; using power tools, hand tools, and equipment.

Essential Results:

- Effective integration into shop team.
- Competence in all facets of skill set.
- Performance of all tasks as assigned
- Demonstrate steadily increasing proficiency and productivity
- Progress toward independence
- Acquire basic personal hand tools

Primary Attributes:

- Willing, capable, aggressive learning
- Receptive to criticism
- Positive attitude
- Thoroughness, completes assigned tasks
- Punctual, dependable, honors commitments
- Clean up after self
- Good citizenship: respect for others and others property
- Safe personal work habits
- Mechanical aptitude
- Works with a group and works independently

Necessary Skills:

- Basic measuring skills
 - Accurate with tape measure.
- Basic shop math
 - Add and subtract fractions.
 - Add, subtract in inches and feet.
 - Convert fractions of inches, inches, and feet interchangeably.
 - Basic multiplication and division.
 - Understand roof pitches in rise, run, and degrees
 - Able to convert between the two systems.
- Basic use of framing square
 - Layout basic joinery accurately with square.
- Use of drill and circular saw
 - Tools handled safely.
 - Knows tool set up procedure

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- Holes drilled cleanly and accurately.
- Saw cuts made accurately.
- Basic print reading: shop drawings & architectural drawings
 - Understands concept of 2-D drawings.
 - Understands drawing key, sections and elevations.
 - Can locate each piece on the drawing.
 - Can define joinery from hieroglyphic.
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Acquired Skills for Advancement:

- Become competent use of all portable specialty tools: mortises, routers, housing router, planers, and circular saws. This includes the following.
 - Tool set up
 - Accurate cutting
 - Identify tools unfit for use.
 - Properly return tool to storage.
- Proficiency in producing basic joints: mortise & tenon (and variations), birds mouth (and variations), lap joints (and variations)
 - Able to work from existing standard layout.
 - Proper tool selection.
 - Proper cutting sequence.
 - Knowledge of allowable tolerances.
 - Able to cut consistently to tolerances.
 - Able to produce completed joinery in acceptable time frames.
- Proficiency in simple layout.
 - Use drawings to locate and orient pieces.
 - Joinery locations accurate.
 - Layout meets shop standards for clarity and accuracy.
 - Layout consistently checks out as error free.
- Proficiency in timber finishing (planing, chamfering, oiling)
 - Clear understanding of desired finish quality.
 - Knowledge of tools and techniques used.
 - Ability to achieve this quality consistently.

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