

Carpentry Competency Profile



BASIC CARPENTRY PROCEDURES

- Acquire basic hand tools and tool kit
- Identify OSHA standards concerning the use of personal safety equipment
- Identify the consequences of ignoring safety rules
- Wear hard-toed shoes, hard hat, job-appropriate eye protection and appropriate clothing
- Use safety and fire equipment
- Follow established procedures for the handling and disposal of hazardous materials
- Perform basic cutting, shaping, and fastening operations

LAYOUT WORK

- Introduced to basic concept
- Interpret construction drawings
- Use instruments and tools for layout work
- Locate established property lines
- Install batter boards
- Square building corners
- Set/transfer grades

FOOTING AND FOUNDATION WALLS

- Introduced to basic concept
- Construct foundations and footing forms

FLOOR FRAMING

- Introduced to basic concept
- Construct sills and sill sealers
- Erect girders, beams, and columns
- Install floor joist systems
- Install bridging
- Install subflooring

WALL FRAMING

- Introduced to basic concept
- Lay out walls and rough openings
- Frame walls and rough openings
- Determine job requirements
- Lay out, cut and install metal track in framing metal wall positions
- Lay out, cut and install studs for metal wall partitions

CEILING AND ROOF FRAMING

- Introduced to basic concept
- Construct ceiling framing
- Construct gable roof framing
- Construct hip/valley roof framing
- Install finish framing components

CEILING AND ROOF FRAMING Cont.

- Install prefabricated roof trusses in accordance with truss information package

ROOFING

- Introduced to basic concept
- Install drip edges, eaves flashing, and vents
- Install fiberglass or asphalt shingles and caps

EXTERIOR FINISH

- Introduced to basic concept
- Install exterior doors, windows, and hardware
- Install fascia, soffits, frieze board, and moldings
- Install exterior siding/covering

INSULATION

- Introduced to basic concept
- Ventilate attics and crawl spaces
- Install thermal insulation and vapor barriers

INTERIOR FINISH

- Introduced to basic concept
- Install gypsum wallboard
- Install wall paneling (e.g. solid wood, plywood)
- Install suspended ceilings
- Install interior doors
- Install window trim
- Install baseboards and moldings

STAIRS

- Introduced to basic concept
- Construct rough stairs
- Lay out, cut and install skirt boards to finish stair components
- Lay out, cut and install treads and risers to finish stair components

SPECIAL CARPENTRY APPLICATIONS

- Introduced to basic concept
- Install countertops
- Install porches and decks

SKID STEER SAFETY COURSE

- Introduce skid steer
- Skid steer safety
- Skid steer operation
- Skid steer obstacle course
- Skid steer certification

CABINETMAKING INTRODUCTION

- Introduction to cabinetmaking
- Types of joinery
- Types of cabinet designs
- Identification of joints
- Krieg jig operation
- Dovetail operation

AIR TOOLS

- Introduced to basic concept
- Identification
- Maintenance
- Safety
- Accurate usage
- Air compressor maintenance

SELF-EMPLOYMENT

- Introduced to basic concept
- Corporation/Partnership/ Sole Proprietorship
- Payroll
- Licensing
- Business Plan
- Small Business Administration
- Loans/Financing
- Profit/Debt/Assets/Liabilities

Instructor_____

Date_____