

# Assessment: Mt. Hood Construction Assessment

## Standard Set: Construction 2012

Filters:

Assessment Date (2014-05-05:2014-05-23)

All Standards

Number tested: 92

### 1) Common Construction/Carpentry

#### 1) Standard 1.0 – Safety

- 1) 1.2, 71.38% maintain safe work attire and appearance
- 2) 1.3, 94.02% wear appropriate personal protective equipment (e.g., eye protection, ear protection, impact hat, etc.).
- 3) 1.4, 88.04% can use equipment safety features correctly
- 4) 1.5, 76.63% can use proper lifting techniques
- 5) 1.9, 68.48% adhere to lockout/tagout rule and regulations.
- 6) 1.10, 68.48% handle, use and store materials according to MSDS sheets

#### 2) Standard 2.0 – Measurement

- 1) 2.2, 62.68% can solve manufacturing and construction word problems
- 2) 2.3, 57.61% can calculate linear feet, square feet, and board feet
- 5) 2.9, 93.48% can determine levelness and plumbness of surfaces, using a level.
- 6) 2.11, 78.26% can recognize materials.

#### 3) Standard 3.0 – Practice Safe and Effective Use of Hand and Portable Power Tools

- 1) 3.2, 78.26% can utilize planes and cabinet scrapers to smooth surfaces
- 3) 3.5, 55.43% can fasten materials using a pneumatic stapler or nailer
- 5) 3.9, 80.80% can utilize a power drill to bore holes to a specified depth
- 6) 3.10, 31.52% can create pocket screwed joints using a drill with jig
- 7) 3.11, 77.17% can utilize a router to shape edges and cut a groove, dado and rabbet
- 8) 3.14, 70.65% can utilize a sander for roughing and finishing

### 2) Carpentry

#### 1) Standard 2.0 – Operate Hand and Power Tools/Equipment Utilized in Carpentry

- 1) 2.1, 34.78% can use and maintain hand tools.
- 2) 2.2, 58.70% can use and maintain portable power tools, powder actuated tools, pneumatic tools, and extension cords.

#### 2) Standard 3.0 – Use Plans, Specification and Codes

- 1) 3.1, 39.13% can identify blueprint terms, components, and symbols.
- 2) 3.2, 88.04% can identify a set of drawings/symbols/scales and legends.
- 5) 3.5, 67.39% can identify and use drawing dimensions.
- 6) 3.6, 90.22% can recognize building codes (i.e. national, state, and local).

#### 3) Standard 6.0 – Cutting and Shaping Stock

- 3) 6.2, 22.83% can bore holes.
- 4) 6.3, 83.70% can square stock to 90 degrees.

#### 4) Standard 7.0 – Assembling and Fastening Components

- 1) 7.1, 55.43% can apply clamping devices.

5) Standard 10.0 – Frame and Finish a Roof  
1) 10.1, 41.85% can construct conventional roof or set truss systems

6) Standard 19.0 – Installing Wood Flooring and Floor Covering  
1) 19.1, 61.96% can install underlayment.

### **3) Construction**

1) Standard 1.0 – Lay Out Building Lines

- 1) 1.1, 66.30% can demonstrate the use and care of precision measuring instruments.
- 2) 1.3, 50% can use a builder's level or transit and differential leveling procedures to determine site and building elevations.
- 3) 1.4, 88.04% can record site layout data and information in field notes using accepted practices.

2) Standard 2.0 – Perform Concrete/Masonry Work

- 1) 2.1, 70.65% can prepare and pour a footing.
- 2) 2.2, 51.09% can construct a foundation wall or pier.

3) Standard 3.0 – Lay Out and Install Floor Systems

- 1) 3.1, 58.70% can install sill plate(s).
- 2) 3.2, 45.65 can set posts.
- 3) 3.3, 66.85% can construct or place girders/beams.
- 4) 3.6, 64.49% can lay out and construct floor assembly.

4) Standard 4.0 – Demonstrate Wall and Ceiling Framing

- 1) 4.1, 60.60% can lay out wall lines including plates, corner posts, door and window openings, partition Ts, bracing and plan for installation of fire stops.
- 2) 4.2, 78.26% can assemble wood stud walls.
- 4) 4.5, 52.17% can cut and install ceiling joists on a wood frame building.
- 5) 4.6, 63.04% can estimate the materials required to frame walls and ceilings.

5) Standard 5.0 – Frame and Finish a Roof

- 1) 5.1, 55.71% can construct conventional roof and/or truss systems.
- 3) 5.4, 60.87% can demonstrate the techniques for installing a variety of types of roofing materials.
- 4) 5.5, 71.20% can estimate the materials used in framing and sheathing a roof.

6) Standard 6.0 – Identify Thermal and Moisture Protection

7) Standard 7.0 – Apply Exterior Finishes

- 1) 7.1, 70.65% can identify and/or install frieze boards or soffit.
- 3) 7.3, 47.83% can install various types of siding.
- 4) 7.4, 92.39% can apply correct installation to eliminate water intrusion.

8) Standard 8.0 – Install Doors and Windows

- 1) 8.3, 63.04% can install window systems.

9) Standard 9.0 – Install Interior Trim and Stairs

- 1) 9.1, 28.26% can install baseboards and casings.
- 2) 9.3, 46.74% can determine the number and sizes of risers and treads required for a stairway.
- 4) 9.5, 84.78% can lay out a skirt board.

10) Standard 10.0 – Install Electrical Component/System(s)

- 1) 11.1, 50% can identify electrical service entrance requirements.

11) Standard 11.0 – Install Interior Wall and Ceiling Finish

- 1) 11.1, 49.46% can identify type and use of drywall.
- 2) 11.2, 55.43% can demonstrate the proper techniques for cutting drywall.
- 3) 11.3, 50% can fasten drywall to ceiling and walls.
- 5) 11.5, 48.91% can demonstrate technique for paint application.