

Domain
Title:
Level: 4

JOINERY AND CABINET MAKING
Construct wooden flooring

Credits: 5

Purpose

This unit standard specifies the competencies required to construct wooden flooring. This includes setting out sub-floor frame, mount timber bearers, conducting timber floor installation, and fixing flooring components.

This unit standard is intended for those who work as joiners and cabinet makers.

Special Notes

1. Entry information:

Prerequisite:

- 1157-*Demonstrate basic knowledge of workplace health and safety* or demonstrated equivalent knowledge and skills.

2. To demonstrate competence, at a minimum, evidence is required to install wooden frames and floor covering.

3. Floor systems and floor coverings includes:

- suspended floor
- floor frames including conventional bearers and joints or drop in (or inline or deep) joists construction
- sub-floor frame made of timber or metal.

4. Tools, equipment, machines and accessories may include but are not limited to measuring instruments, hammers, nail punches, spirit levels, squares (combination or tri), nail bags, string lines, spanners, cramps, hand saws, drills, screwdrivers nail guns, air compressors, , planes and levelling equipment.

5. Materials may include but are not limited to timber, metal, nails, screws, adhesives, and patented metal fasteners, connectors, reconstituted timber and piers.

6. Assessment evidence may be collected from a real or simulated workplace in which joinery and cabinet making operations are carried out.

6. All inspection, operation and maintenance procedures associated with the use of tools and equipment shall comply with manufacturers' and company guidelines, instructions, and reasonable flat rate time.

7. Safe working practices to include the identification, selection and wearing of personal protective clothing, reading and interpretation of safety signs and

symbols used in the construction industry; complying with health and safety instructions on product labelling and the safe use, maintenance and storage of all tools.

8. Regulations and legislation relevant to this unit standard include the following:
- Labour Act No 11, 2007 as amended;
 - SABS 0400, NOSA, Local Authorities Act;
 - Occupational Health and Safety Regulations No. 18, 1997 and all subsequent amendments.

Quality Assurance Requirements

This unit standard and others within this subfield may be awarded by institutions which meet the accreditation requirements set by the Namibia Qualifications Authority and the Namibia Training Authority and which comply with the national assessment and moderation requirements. Details of specific accreditation requirements and the national assessment arrangements are available from the Namibia Qualifications Authority on www.namqa.org and the Namibia Training Authority on www.nta.com.na.

Elements and Performance Criteria

Element 1: Set out sub-floor frame

Performance criteria

- 1.1 Support structure, posts, stumps and piers are positioned and installed to set out lines for building as determined from site drawings.
- 1.2 Support structure, piers, post and stumps are checked for level and square prior to installation of bearers and joists.

Element 2: Mount timber bearers

Performance criteria

- 2.1 Bearer material is marked and cut to length for joining over supports.
- 2.2 Damp proof course and termite shields are installed where specified by regulations.
- 2.3 Bearers are located and fixed in line with regulations, job drawings and specifications to square, line and level.

Element 3: Conduct timber floor installation

Performance criteria

- 3.1 Locations for floor joists are set out to spacing from job drawings, specifications and regulations.
- 3.2 Material for floor joists are selected.
- 3.3 Floor joists are selected for straightness, located, fitted and fixed to lines and level.
- 3.4 Block or herringbone strutting is installed to deep floor joists where specified in accordance with regulations.
- 3.5 Blocks and trimmers are fitted and fixed around doorway openings to provide support in line with specifications.
- 3.6 Trimmers are cut, fitted and fixed to support sheet flooring joists where specified.

Element 4: Fix flooring components

Performance criteria

- 4.1 Flooring materials selected are appropriate for the intended room use and specification.
- 4.2 Floor measurements are confirmed and flooring materials are cut and prepared for installation with a minimum of loss.
- 4.3 Flooring is installed and secured in accordance with manufacturers' recommendations.
- 4.4 Installed flooring is completed in preparation for the next process.

Registration Data

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| Body responsible for review: | Namibia Training Authority |