

Domain

JOINERY AND CABINET MAKING

Title:

Install and replace windows and doors

Level: 2

Credits: 7

Purpose

This unit standard specifies the competencies required to install and replace windows and doors. This includes selecting windows and doors for installation, installing window units, preparing door frame opening and fix frame, installing door and door units, and replacing and repairing of window and door units and 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 of installing a door and a window.

3. Materials and accessories may include but are not limited to doors, windows, metal flashings, hinges, locks, dead bolts, handles, latches, flash bolts, closers, passage sets, night latches, barrel bolts and cabin hooks.

4. Doors may include but are not limited to aluminium, timber, steel, thermo plastic and glass doors with panelled, panelled and beaded, solid panelled and beaded, glazed and hollow core.

5. Windows may include but are not limited to sliding double lining, ancillary and casement.

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

7. 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.

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: Select windows and doors for installation

Performance criteria

- 1.1 Doors and windows are selected according to task.
- 1.2 Uses and limitations of doors and windows are explained.

Element 2: Install window units

Performance criteria

- 2.1 Window opening size is checked in line with workplace procedures.
- 2.2 Window frame is installed in line with workplace procedures and manufacturers' specifications.

Element 3: Prepare door frame opening and fix frame

Performance criteria

- 3.1 Door frame opening size is checked in line with workplace procedures.
- 3.2 Jamb stiles are marked and cut to length allowing for clearances according to specifications.
- 3.3 Head is trenched to accommodate jamb stiles allowing for clearance according to specification.
- 3.4 Jamb frame is assembled, squared and braced with rebates flush in line with workplace procedures.
- 3.5 Joints and rebates are cleaned and finished to quality requirements in line with workplace procedures.

Element 4: Install door and door units

Performance criteria

- 4.1 Positioning of door unit is identified and explained.
- 4.2 Door and jamb fitting is explained.
- 4.3 Clearance specifications of lock stile and doors are explained and demonstrated.
- 4.4 Marked out of hinges and door locks on door and jamb are explained and demonstrated.
- 4.5 Fitting of hinges and door locks to door and jamb in line with workplace procedures are demonstrated.
- 4.6 Final adjustment of door in line with workplace procedures are explained and demonstrated.
- 4.7 Door furniture components are fitted and fixed to manufacturers specifications.

Element 5: Replace and repair of window and door units and components

Performance criteria

- 5.1 Architraves and nosing are removed in line with workplace procedures.
- 5.2 Removing of sill bricks or cladding in line with workplace procedures are explained and demonstrated.
- 5.3 Cutting of fasteners and packing removal and flashing detached from frame in line with workplace procedures.
- 5.4 Window and door units and components are removed and fit in line with workplace procedures.
- 5.5 Plumb and levelling of window and door unit are explained and demonstrated.
- 5.6 Architraves, glass and mouldings are replaced in line with workplace procedures.

Registration Data

Subfield:	Manufacturing
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