

Domain
Title:
Level: 4

JOINERY AND CABINET MAKING
Construct suspended ceilings

Credits: 5

Purpose

This unit standard specifies the competencies required to construct suspended ceilings. This includes setting out ceiling grid, installing suspension system, and installing lining materials.

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 construct suspended ceiling systems.
 3. Assessment evidence may be collected from a real or simulated workplace in which joinery and cabinet making operations are carried out.
 4. Components of suspended ceiling systems may include, but are not limited to anchors, bolts, droppers, suspension rods, main beam, rails, hangers, furring channels and spacer bars.
 5. Installation is to comply with manufacturer's design, installation guidelines and relevant regulatory requirements.
 6. Support structures may include but are not limited to timber, steel, ceiling, rod framing and reinforced concrete ceiling slabs.
 7. Tools and equipment may include but are not limited to measuring tape or rule, spirit level, chalk line, hammers, chisel, sash clamps, squares, handsaw, hand plane, staple gun, nail gun, nail bag, compressor, sanders, power drills, screwdrivers, scaffolding system and planks.
 8. Materials may include but are not limited to timber, soft board, rhino board, plaster board, cornice, cover strips, infill panels, insulation materials, fibre cement sheeting, base coats, finishing coats, adhesives, wedges, nails, screws and metallic plates.

9. 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.
10. 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 ceiling grid

Performance criteria

- 1.1 Ceiling grid is set out to job drawings and in line with manufacturers' specifications.
- 1.2 Alignment levels for ceiling are set out as shown on job drawings.

Element 2: Install suspension system

Performance criteria

- 2.1 Suspension rods are fixed to underside of soffit or structural members with masonry anchors, bolts or screws at prescribed centres in line with manufacturers' instructions.
- 2.2 Suspended framework is assembled and connected to suspension rods in line with specifications and manufacturers' instructions.
- 2.3 Suspension system is fastened and checked for stability and safety.
- 2.4 Bridging framework is fixed to both sides of service ducts to support suspension system.

Element 3: Install lining materials

Performance criteria

- 3.1 Lining materials are installed according to design pattern set out.
- 3.2 Lining material edges are cut, concealed and finished to match pre-finished edges.
- 3.3 Openings and penetrations for lighting, diffuser, hatches and sprinkler heads are provided as shown on the job drawings.
- 3.4 Trims and beads are fixed at junctions with other building elements and surfaces as shown on job drawings.

Registration Data

Subfield:	Manufacturing
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