

Domain

Title:

Level: 4

CARPENTRY

Set out and install suspended wooden ceilings

Unit ID: 1608

Credits: 5

Purpose

This unit standard specifies the competencies required to set out and install suspended wooden ceilings. It includes planning and preparing for work, setting out ceiling grids, installing suspension system and installing lining materials.

This unit standard is intended for those who work as carpenters.

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 setting out and installing wooden suspended ceiling systems.

3. Assessment evidence may be collected from a real workplace, or simulated real workplace in which carpentry 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, runners, furring channels and spacer bars.

5. Support structures may include but are not limited to timber, steel floor, ceiling, rod framing and reinforced concrete ceiling floor slabs.

6. 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.

7. 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.

8. 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.

9. Regulations and legislation relevant to this unit standard include the following:

- Labour Act, No. 11, 2007 as amended;
- 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: Plan and prepare for work

Range

Planning and preparation include but are not limited to worksite inspection, equipment and materials defects identification, assessment of conditions and hazards and determination of work requirements.

Performance criteria

- 1.1 Work instructions, including plans, specifications, quality requirements and operational details are developed and applied.
- 1.2 Safety requirements are followed in line with safety policies.
- 1.3 Appropriate rigid frame/mobile scaffolding or trestles is erected and planked in line with workplace procedures and safety requirements.
- 1.4 Sign and barricade requirements are identified and implemented.
- 1.5 Tools and equipment selected to carry out tasks are consistent with the requirements of the job, checked for serviceability and any faults are rectified or reported prior to commencement of work.
- 1.6 Quantity of materials is calculated in line with plans and specifications.
- 1.7 Materials appropriate to the work application are identified, obtained, prepared safely handled and located ready for use.
- 1.8 Environmental protection requirements are identified and applied in line with environmental plans and regulatory obligations.

Element 2: Set out ceiling grid

Performance criteria

- 2.1 Ceiling grid is interpreted according to job drawings and in line with manufacturers' specifications.
- 2.2 Levels for ceiling are set out as shown on job drawings and explained.

Element 3: Install suspension system

Performance criteria

- 3.1 Drawings and designs of suspended system is interpreted.
- 3.2 Cutting list is prepared in line with specifications of selected products.
- 3.3 Materials are marked, cut and planed to specifications.
- 3.4 Components are assembled in line with specifications.
- 3.5 Fittings are installed in line with specifications.
- 3.6 Suspension system is inspected for compliance.

Element 4: Install lining materials

Performance criteria

- 4.1 Drawings and designs of lining materials are interpreted.
- 4.2 Cutting list is prepared in line with specifications.
- 4.3 Materials are marked, cut and planed to specifications.
- 4.4 Components are assembled in line with specifications.
- 4.5 Fittings are installed in line with specifications.
- 4.6 Lining materials is inspected for compliance.

Registration Data

Subfield:	General Construction
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