

Domain	BRICKLAYING	Unit ID: 12
Title:	Read and interpret basic building drawings as part of bricklaying operations	
Level: 2		Credits: 2

Purpose

This unit standard specifies the competencies required to read and interpret plans and specifications as part of bricklaying operations. It includes the identification of types of plans and drawings and their functions, the recognition of commonly used symbols and abbreviations, the identification of key features and specifications on a site plan and the recognition of document status and amendment detail. This unit standard is intended for those who work as bricklayers and plasterers.

Special Notes

1. Entry information

Prerequisite:

- Unit 3 - *Apply safety rules and regulations in bricklaying operations* or demonstrated equivalent knowledge and skills.

2. To demonstrate competence, at a minimum:
 - read and interpret building drawings for two different projects, including:
 - confirmation of amendment status
 - orientation of plans to the ground
 - six key features on both the plan and the site
 - confirmation of six items of information from the title block of the project plans
 - six construction dimensions, levels and locations from the project plans.
4. Assessment evidence may be collected from a real workplace or simulated real workplace or an appropriate simulated realistic environment in which bricklaying operations are carried out.
5. Drawings may include site plans, construction plans, cross sectional plans, longitudinal plans, structural detail and specifications providing illustrations and dimensions and project plans, drawings, specifications, illustrations, dimensions and notes.
6. Specifications may include detail relating to materials and quality of work, quality assurance, nominated sub-contractors, and provision of site access/facilities, details relating to performance including standards of work, tolerances, material types, characteristics, treatments and finishes.
7. Key features of plans and specifications may include type of product/service, quantities, characteristics, sizes, pattern dimension, location, construction and compatibility.
8. Material attributes include types, characteristics, construction requirements, treatments and finishes.

9. All inspection, operation and maintenance procedures associated with the use of tools and equipment shall comply with manufacturers' guidelines and instructions.
10. Regulations and legislation relevant to this unit standard include the following:
 - Labour Act No.6, 1992
 - 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 and the Namibia Training Authority on www.nta.com.na

Elements and Performance Criteria

Element 1: Identify types and functions of drawings

Performance Criteria

- 1.1 Main types of plans and drawings used in bricklaying operations are identified.
- 1.2 Key functions of each type of drawing are identified.
- 1.3 Quality requirements of company operations are recognised and adhered to.
- 1.4 Environmental controls are identified from the job plans, specifications and environmental plan.

Element 2: Recognise amendments to drawings

Performance Criteria

- 2.1 Title panel is checked to verify latest amendments to drawing.
- 2.2 Amendments to specifications are checked to ensure currency of information.

Element 3: Recognise commonly used symbols and abbreviations

Performance Criteria

- 3.1 Symbols and abbreviations used on drawings are identified and correctly interpreted.
- 3.2 Legend is located on project drawings, symbols and abbreviations are correctly interpreted.

Element 4: Locate and identify key features on a site plan

Performance Criteria

- 4.1 Orientation of the plan with the site is achieved.
- 4.2 Key features of the site are identified and located.
- 4.3 Access to site is gained and services, main features, contours and datum are identified.

Element 5: Interpret building drawings

Performance Criteria

- 5.1 Dimensions for project and nominated locations are identified.
- 5.2 Construction types and dimensions for nominated locations are identified.
- 5.3 Environmental controls and locations are identified.
- 5.4 Orientation of the plan with the site is achieved.

Registration Data

Subfield:	General Construction
Date first registered:	28 September 2006
Date this version registered:	28 September 2006
Anticipated review:	2010
Body responsible for review:	Namibia Training Authority