

**Unit ID: 24**

**Domain**

**BRICKLAYING**

**Title:**

**Erect and dismantle scaffolding as part  
of bricklaying operations**

**Level: 3**

**Credits: 4**

**Purpose**

This unit standard specifies the competencies required to erect and dismantle a range of modular scaffolding systems to provide work platforms for bricklaying purposes. The unit includes placement of safety barriers and only involves modular scaffolding restricted to a height of 4 metres. 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, requires evidence of planning, erection and dismantling a modular scaffolding system, including a minimum of three bays (one with a return), one lift with ladder and fall/edge protection. Perform these tasks ensuring correct identification of requirements and finishing of the tasks correct selection and use of appropriate processes, tools and equipment and completing all work to specification.
3. 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.
4. Scaffolding is to be erected to a maximum height of 4 metres.
5. Types of scaffolding may include but are not limited to systems scaffolding, modular, A-frame, H-frame, tube and coupler and aluminium.
6. All inspection, operation and maintenance procedures associated with the use of tools, scaffolding and equipment shall comply with manufacturers' guidelines and instructions.
7. '*Specifications*' refers to any, or all of the following: manufacturers' specifications and recommendations, site and workplace specific requirements.
8. Regulations and legislation relevant to this unit standard include the following:
  - Labour Act No 6, 1992
  - Occupational Health and Safety Regulations No.18, 1997and 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](http://www.nta.com.na)

## **Elements and Performance Criteria**

### **Element 1: Plan and prepare for work**

#### **Range**

Planning and preparation is to include, but is not limited to worksite inspection, equipment defect 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 obtained, confirmed and applied.
- 1.2 Safety requirements are followed in accordance with safety plans and policies.
- 1.3 Sign and barricade requirements are identified and implemented.
- 1.4 Plant, 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.
- 1.5 Material quantity requirements are calculated in accordance with plans and/or specifications.
- 1.6 Materials appropriate to the work application are identified, obtained, prepared, safely handled and located ready for use.
- 1.7 Environmental protection requirements for the project are identified and applied in line with environmental plans and regulatory obligations.

### **Element 2: Erect scaffolding**

#### **Range**

Erection of scaffolding, to a maximum height of 4 metres is to include but is not limited to placement, sequencing, squaring and levelling. Evidence of the use of two is required for assessment purposes.

#### **Performance Criteria**

- 2.1 Purpose for scaffolding is confirmed and associated work tasks identified.

- 2.2 Expected loading on scaffold and supporting structure is determined using load tables and manufacturers' specifications.
- 2.3 Site access and egress routes are identified.
- 2.4 Scaffolding and components are selected and inspected with damaged components labelled and rejected.
- 2.5 Sole board/base plate is selected in accordance with relevant regulations, legislation and manufacturers' specifications.
- 2.6 Scaffolding is set out and erected in accordance with legislation and regulatory requirements and manufacturers' requirements.
- 2.7 Static lines are erected and installed where specified in accordance with legislation and regulatory requirements.
- 2.8 Lifting device is assembled and erected where specified.

### **Element 3: Whip, tie, splice and inspect ropes**

#### **Performance Criteria**

- 3.1 Whipping cord and fibre rope is inspected for damage and/or wear.
- 3.2 Designated rope ends are whipped in accordance with regulations and project specifications.
- 3.3 Designated rope ends are spliced in accordance with regulations and project specifications.
- 3.4 Bends and hitches are applied and inspected in accordance with project specifications.

### **Element 4: Inspect, repair and adjust erected scaffolding**

#### **Performance Criteria**

- 4.1 Erected modular scaffolding is inspected for damage, corrosion, wear and compatibility.
- 4.2 Current use of scaffolding is checked against original design and is in accordance with regulations and specifications.
- 4.3 Scaffolding stability is inspected and confirmed.
- 4.4 Alteration or repair carried out where required.
- 4.5 Inspection log and handover is completed and dated, ready for signing by a certificated scaffolder.

### **Element 5: Dismantle scaffolding**

#### **Performance Criteria**

- 5.1 Scaffolding is isolated and appropriately signed and barricaded to ensure safe dismantling.
- 5.2 Scaffolding is dismantled using reverse procedure as for erection.

### **Element 6: Clean up**

#### **Performance Criteria**

- 6.1 Work area is cleared and materials disposed of, reused or recycled in accordance with legislation, regulations and job specifications.
- 6.2 Plant, tools and equipment are cleaned, checked, maintained and stored in accordance with manufacturers' recommendations and standard work practices.

### **Registration Data**

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