

Domain	BRICKLAYING	Unit ID: 36
Title:	Plan, set out and construct corbels and decorative surfaces	
Level: 4		Credits: 8

Purpose

This unit standard specifies the competencies required to plan, set out and construct corbels and decorative surfaces. This unit applies to brickwork involving corbelling protrusions, irregular corner junction and brick panelling. 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. Assessment evidence may be collected from a real workplace or a simulated real workplace or an appropriate simulated realistic environment in which bricklaying operations are carried out.
3. Glossary of terms
 - '*corbel*' means the projection of brickwork from a wall.
4. All inspection, operation and maintenance procedures associated with the use of tools and equipment shall comply with manufacturers' guidelines and instructions.
5. '*Specifications*' refers to any, or all of the following: manufacturers' specifications and/or recommendations, site and/or workplace specific requirements.
6. 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 at 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.

Tools and equipment may include but are not limited to measuring tape/rule, concrete mixer, wheelbarrows, masonry saws, trowels, mortar boards, pointing and/or raking tools, shovels, string lines, straight edge, brushes, hammers, buckets, hoses and power leads.

Materials are to include but are not limited to clay bricks, masonry blocks, timber/plyboard, sealants, reinforcing materials, aggregates, cement and lime. Materials may include waterproofing materials.

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: Set out for featured brickwork

Range

Decorative brickwork includes but is not limited to corbelling, protrusions, irregular corner junctions and brick paneling.

Performance Criteria

- 2.1 Location and structural feature details of block work determined from drawings and specifications.
- 2.2 Brickwork set out to location to dimensions from drawings and specifications.

- 2.3 Scaffolding erected where required to safety requirements.

Element 3: Lay bricks and form corbels and protrusions

Range

Evidence of the forming of one corbel and one protrusion is required for assessment purposes.

Performance Criteria

- 3.1 Mortar is mixed to specifications.
- 3.2 Corbelling design is checked with specifications.
- 3.3 Bricks laid to maintain bond and level alignment to form corbels to design and specifications.
- 3.4 Bricks laid to form featured protrusions in accordance with job drawings and specifications.

Element 4: Construct brickwork to irregular corner junctions

Range

Irregular corner junctions include but are not limited to special bricks, plinth and sills. Evidence of the construction of one irregular corner junction is required for assessment purposes.

Performance Criteria

- 4.1 Junction at corners determined in accordance with specifications.
- 4.2 Standard bricks laid to line and level to form dogtooth junctions in accordance with specifications.
- 4.3 Squints and standard bricks laid to line and level to form designed flush junctions to specifications.
- 4.4 Bond and gauge maintained to specification.

Element 5: Rake/rule joints

Performance Criteria

- 5.1 Joints in laid brickwork raked or ruled to correct depth in accordance with job specification.
- 5.2 Brickwork brushed down prior to drying using appropriate brushing tool.

Element 6: Carry out tuck pointing

Performance Criteria

- 6.1 Brickwork joints finished and cleaned out to, designed depth, specifications and to receive pointing.
- 6.2 Pointing material mixed and applied to brick joints in accordance with specifications.
- 6.3 Joints pointed to produce designed finish to specifications and loose material removed from brick face.

Element 7: Clean up

Performance Criteria

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

Registration Data

Subfield:	General Construction
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