UNIT CODE	CPCCBL3015
UNIT TITLE	Construct decorative brickwork
APPLICATION	This unit specifies the skills and knowledge required to construct decorative brickwork. It applies to bricklayers and block layers who work on new and existing structures. This unit is suitable for people operating with some autonomy. A person working at this level would be expected to take responsibility for organising and completing tasks assigned to them without needing close supervision. Completion of the general construction induction training program specified by the model Code of Practice for Construction Work is required for any person who is to carry out construction work. Achievement of *CPCCWHS1001 Prepare to work safely in the construction industry* meets this requirement. No licensing, legislative or certification requirements apply to this unit at the time of publication.
PREREQUISITE UNIT	CPCCWHS2001 Apply WHS requirements, policies and procedures in the construction industry
ELEMENTS	PERFORMANCE CRITERIA
Elements describe the essential outcomes.	Performance criteria describe what needs to be done to demonstrate achievement of the element.
1. Prepare for work.	1.1 Select, fit correctly and use personal protective equipment (PPE) appropriate for job. 1.2 Read, interpret and apply decorative brick construction requirements from current plans, specifications, standards and codes. 1.3 Follow requirements in workplace safety and environmental documentation and workplace procedures. 1.4 Use measurements and apply formulas to calculate material quantities. 1.5 Determine job priorities and sequence job tasks in consultation with others on site. 1.6 Identify potential hazards and determine and implement control measures.

	1.7 Select and check condition of plant, equipment and tools and report damage or malfunction to relevant personnel. 1.8 Check conformity of materials against the specifications and place materials in preparation for the work.
2. Set out and prepare for decorative brickwork.	2.1 Identify structural and design details of decorative brickwork and panels from plans and specifications. 2.2 Locate position and set out specified design. 2.3 Determine batch proportions, mortar colour, joint size and profile, method of tying and damp proofing. 2.4 Select and sort bricks for appearance, dimensions, colour variations, durability and damage. 2.5 Batch and mix mortar ensuring consistency with job requirements.
3. Lay decorative brickwork.	3.1 Lay corbel to form feature protrusions adhering to the overhang specifications and maintaining level, bond and gauge. 3.2 Form a protruding plinth and sill using plinth bricks. 3.3 Create a dentil course using standard bricks. 3.4 Create a dogtooth pattern using standard bricks. 3.5 Lay decorative brickwork panel using accurate cuts and maintaining bond and gauge consistency. 3.6 Rake or rule joints to specified profile and depth. 3.7 Brush down face of brickwork/blockwork prior to drying to remove unwanted mortar.
4. Clean up.	4.1 Clear the work area, and dispose of, reuse or recycle materials following workplace and environmental requirements. 4.2 Clean tools and equipment, check for serviceability and report damage or faults. 4.3 Store and secure tools and equipment following workplace procedures.

FOUNDATION SKILLS

Candidates require:

- technology skills to:
  - use digital tools and devices to source job information and communicate effectively with others.

UNIT MAPPING INFORMATION	Supersedes and is equivalent to CPCCBL3015A Construct decorative brickwork
LINKS	Companion volumes to this training package are available at the VETNet website: https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad

TITLE	Assessment requirements for CPCCBL3015 Construct decorative brickwork

PERFORMANCE EVIDENCE

To demonstrate competency in this unit, a candidate must meet the performance criteria of this unit by constructing a decorative brick wall to a minimum height of 1.5 m.

In doing this, the candidate must incorporate a 900 mm x 1200 mm minimum decorative masonry panel, which includes:

- two base plinth and sill courses using full bricks
- three courses of corbelling
- one dogtooth course pattern
- one dental course pattern
- internal and external junctions neatly cut and flushed
- various finishes to mortar joints
- comply with tolerances stated in the current Australian Standards and codes.

KNOWLEDGE EVIDENCE

To be competent in this unit, a person must demonstrate knowledge of:

- characteristics, applications and limitations of decorative brick materials:
- processes and techniques of:
    - setting out and constructing decorative brickwork
    - strengthening brickwork around openings
- terminology relating to decorative brickwork
- brick bond patterns
- functional and operational features of plant, equipment and hand and power tools
- workplace safety:
    - dust suppression
    - exposure to silica
    - exposure to loud noise
    - job safety and environmental analysis (JSEA)
    - working at height
- Australian Standards and building codes relating to acceptable brickwork tolerances
- architectural styles and masonry details
- architectural elements of buildings
- features of working drawings and specification
- environmental requirements for workplace processes and waste disposal.

ASSESSMENT CONDITIONS

Assessors must meet the requirements for assessors contained in the Standards for Registered Training Organisations. This unit must be assessed in the workplace or a close simulation reflecting workplace conditions and standards, materials, equipment, activities, responsibilities, procedures, safety requirements and environmental considerations.	
LINKS	Companion volumes to this training package are available at the VETNet website: https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad