UNIT CODE	CPCCBL3006
UNIT TITLE	Lay multi-thickness walls and piers
APPLICATION	This unit specifies the skills and knowledge required to lay multi-thickness walls and piers. It includes laying masonry walls in different brick bonds and laying engaged and isolated piers. This unit applies to bricklayers and blocklayers who work on a new or existing structures. It 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 multi-thickness wall and pier 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 faults to relevant person. 1.8 Check conformity of materials against the specifications and place materials in preparation for the work.
2. Set out brickwork.	2.1 Identify brick bond from plans and set out and mark position of brickwork on footing. 2.2 Set out engaged and isolated piers to specified height and gauge.
3. Construct walls and piers.	3.1 Mix mortar quality and consistency to job requirements. 3.2 Lay walls with engaged piers straight, level and plumb. 3.3 Lay isolated piers square and plumb to the specified height maintaining gauge. 3.4 Remove excess mortar prior to drying. 3.5 Finish joints to specified profile and depth. 3.6 Brush down and clean brickwork prior to mortar drying.
4. Clean up.	4.1 Clear the work area, and dispose of, reuse or recycle materials in 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: o use digital tools and devices to source job information and communicate effectively with others.	
UNIT MAPPING INFORMATION	Supersedes and is equivalent to CPCCBL3006A Lay multi-thickness walls and piers
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 CPCCBL3006 Lay multi-thickness walls and piers

PERFORMANCE EVIDENCE

To demonstrate competency in this unit, a candidate must meet the performance criteria of this unit by laying three 230 mm thick brick walls, to a minimum height of 634 mm.

In doing this, the candidate must:

- lay one English bond wall to minimum length of 2100 mm with one 90^0 return external corner to the same height and a minimum length of 700 mm
- lay one Flemish bond wall to a minimum length of 1700 mm which incorporates a 590 mm (minimum) squint corner return; wall to be finished with a brick on edge capping finish with symmetrically mitred cuts over squint corner
- lay one wall in chosen bond (not stretcher) to a minimum length of 2100 mm with a 'T' junction with a minimum length of 600 mm
- engaged one pier to each wall at the same height of wall
- set out and lay one isolated pier in the same bond for each wall, to the set-out wall height
- comply to the brickwork 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 approved materials used for multi-thickness walls and pier construction
- processes and techniques for:
    - multi-thickness brick and pier construction
    - installing specified reinforcing
    - laying bricks to specified bond to provide structural stability
    - damp-proofing, installing drainage pipes and weep holes
- construction terminology relating to multi-thickness wall and pier construction
- brick bond patterns:
    - Flemish
    - Flemish garden wall
    - English bond
    - English garden wall bond
    - Monk bond
    - Dutch
    - 1/3 bond
    - Stretcher
- functional and operational features of plant, equipment and hand and power tools
- workplace safety:

o job safety and environmental analysis (JSEA) o working at heights o hazardous manual tasks o dust suppression o exposure to silica o exposure to loud noise • features of working drawings and specification • relevant and current building, brick and block laying standards and codes • key features of National Construction Code (NCC) relating to multi-thickness walls and piers • 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