UNIT CODE	CPCCST3012
UNIT TITLE	Build stone veneer walls
APPLICATION	This unit specifies the skills and knowledge required to build single leaf stone block face walls to a metal or timber wall frame construction. This unit applies to stonemasons who work independently, in a team or under supervision to build stone veneer walls relating to stonemasonry work on a new or existing structure. 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 Read, interpret and apply stone veneer construction requirements from current plans, specifications, standards and codes. 1.2 Follow relevant information from workplace procedures, workplace safety and environmental documentation. 1.3 Use measurements and formulas to calculate material quantities. 1.4 Determine job priorities and sequence job tasks in consultation with others on site. 1.5 Identify potential hazards and implement control measures. 1.6 Select and check condition of plant, equipment and tools and report damage or faults to relevant person.

	1.7 Check conformity of materials against the job requirements.
2. Set out stone veneer work.	2.1 Select, fit correctly and use personal protective equipment (PPE) appropriate for job. 2.2 Identify structural details of stone veneer construction from plans and specifications. 2.3 Establish overall height and levels from datum. 2.4 Set out stonework dimensions and bond and mark on footing. 2.5 Set out door and window openings, stone gauge and damp proof course (DPC).
3. Construct base.	3.1 Select, blend and place materials in preparation for the work. 3.2 Mix mortar for consistency and job requirements and place on mortar boards ready for use. 3.3 Lay base stonework level and plumb to set out marks.
4. Construct stone veneer walls	4.1 Check structural frame for plumb, straight and no protrusions to maintain consistent cavity size. 4.2 Install reflective foil to meet building code and Australian standards. 4.3 Lay stone masonry work installing DPC and flashings, ventilation, weep holes and fix wall ties to framework. 4.4 Construct opening and install flashings maintaining clean cavity from mortar dropping and bridging. 4.5 Set out, erect, stabilise and brace work platform to workplace safety requirements. 4.6 Install lintels and head flashings to openings. 4.7 Finish stone veneer walls level, plumb and parallel to eaves height. 4.8 Locate and form control joints and stone work reinforcing as specified. 4.9 Cut and lay sill bricks to a line as specified.
5. Rake and rule joints.	5.1 Remove excess mortar from stonework. 5.2 Rake or rule joints to specified profile and depth. 5.3 Clean face of stonework prior to mortar drying.
6. Clean up	6.1 Clear the work area, and dispose of, reuse or recycle materials

	following workplace and environmental requirements. 6.2 Clean tools and equipment, check for serviceability and report damage or faults. 6.3 Store and secure tools and equipment following workplace procedures.
FOUNDATION SKILLS Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.	
UNIT MAPPING INFORMATION	Supersedes and is equivalent to CPCCST3012A Build stone veneer walls
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 CPCCST3012 Build stone veneer walls

PERFORMANCE EVIDENCE

To demonstrate competency in this unit, a candidate must meet the performance criteria of this unit by building a minimum 2.1 m long x 2.0 m high section of stone veneer wall with one external corner on a slab construction.

In doing this, the candidate must:

- build in damp proof course and ventilation
- build a door and window opening with lintel and flashings.

KNOWLEDGE EVIDENCE

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

- characteristics, applications and limitations of specified materials for stone veneer construction
- processes and techniques for stone veneer construction:
    - vermin control and anti-termite measures
    - damp proofing, flashing and ventilation
    - floor, wall and roof members
    - frame tying components
    - lintels and load bearing components
    - timber and steel door frames
    - gable and eaves construction
- construction terminology relating to stone veneer construction
- stone expansion and growth, control and articulation joints
- mortar ingredients and consistency
- stone bond patterns and gauge
- functional and operational features of plant, equipment and hand and power tools
- workplace processes and procedures
- workplace safety:
    - job safety and environmental analysis (JSEA)
    - exposure to silica dust
    - exposure to loud noise
    - hazardous manual tasks
    - work at heights
    - safe use of scaffold
- types and safe use of lifting equipment
- features of working drawing and specifications
- Australian Standards and codes

• requirements of National Construction Code (NCC) relating to veneer construction • environmental requirements for workplace processes and waste disposal • digital technology to source information and communicate with others.	
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