UNIT CODE	CPCCST3010
UNIT TITLE	Set out and cut letters in stone
APPLICATION	This unit specifies the skills and knowledge required to set out and cut letters in stone. It includes accurately transferring and cutting types of lettering onto various stone faces. This unit applies to stonemasons who work independently, in a team or under supervision and cut letters into hard and soft stone in a workshop setting, 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. Plan and prepare	1.1 Read, interpret and apply requirements for setting out and cutting letters in stone from job requirements, specifications, standards and codes. 1.2 Follow relevant information from workplace procedures, workplace safety and environmental documentation. 1.3 Determine job priorities and sequence job tasks in consultation with others. 1.4 Identify potential hazards and determine and implement control measures. 1.5 Select and check condition of plant, equipment and tools and

	report damage or faults to relevant person. 1.6 Check conformity of materials against job requirements.
2. Select stone.	2.1 Select, fit correctly and use personal protective equipment (PPE) appropriate for job. 2.2 Select stone to ensure quality, grain, colouring and size to suit job specifications. 2.3 Prepare stone surface for lettering adaptable with the type of stone.
3. Set out for lettering.	3.1 Select fonts appropriate for cemetery monument, architectural settings and a variety of commercial settings. 3.2 Use drafting skills to set out full size lettering and transfer to template or stencil. 3.3 Transfer lettering to stone face using appropriate method.
4. Cut and form traditional and contemporary letters in stone.	4.1 Cut and form raised and flush letters to set out design. 4.2 Cut and form V-shaped letters to set out design. 4.3 Cut and form decorative ornamental work in letters following set out design shapes.
5. Cut and form innovative forms of lettering in stone.	5.1 Develop, draft and set out innovative design and apply techniques for working letters into stone. 5.2 Transfer drafted design to stone face using appropriate method. 5.3 Cut and form designed letter style and shape in stone. 5.4 Clean stone finish to job requirements.
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 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 CPCCST3010A Set out and cut letters in stone
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 CPCCST3010 Set out and cut letters in stone

PERFORMANCE EVIDENCE

To demonstrate competency in this unit, a candidate must meet the performance criteria of this unit by designing and producing a range of traditional, contemporary and innovative letters and numbers with a minimum height of 60 mm and cut them in stone.

In doing this, the candidate must:

- design, set out and transfer to a template a minimum of five contemporary and five innovative letters and numbers and cut into hard stone
- design, set out and transfer to a different type of template ten architectural letters and numbers and cut into soft stone.

KNOWLEDGE EVIDENCE

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

- drawing and sketching techniques
- interpreting drawings and specifications
- stone surfaces for lettering:
    - dressing
    - milling or cutting
    - painting surfaces for setting out
    - polishing
    - sandblasting
- traditional, contemporary and architectural font styles used in stonemasonry
- types of materials used for templates and stencils:
    - aluminium sheet
    - cardboard
    - plastic sheet
    - plywood
    - zincalum sheet
- design transfer:
    - computer aided design (CAD)
    - direct drafting
    - stencils
    - templates
    - tracings
- types of natural and manufactured stone and their characteristics:
    - granite
    - marble

o slate o manufactured stone • terminology relating to setting out and cutting letters in stone • adhesives, compounds and abrasive products • functional and operational features of plant, equipment and hand and power tools o battery operated tools • workplace policies and procedures and work instructions • workplace safety: o job safety and environmental analysis (JSEA) o exposure to silica dust o hazardous manual tasks o exposure to loud noise • environmental requirements for workplace processes and waste disposal • digital technology to design, set out and transfer letters and numbers using tools, devices and programs.
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.

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