

CPCCB2002A Matrix Map

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ELEMENTS AND PERFORMANCE CRITERIA

Element	Performance Criteria	Task / Question Map
1. Prepare for work.	1.1. Work instructions, including plans, specifications, quality requirements and operational details, are obtained, confirmed and applied from relevant information.	Noise Prevention/Control: Q1 Q2 Assessment Task - Interpret and comply with a SOP: Q1 Q2 Q3 Q4 Q5 Q6
	1.2. Safety (OHS) requirements are followed in accordance with safety plans and policies.	Noise Prevention/Control: Q1 Q2 First Aid for Minor Injuries: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Using Plant and Equipment Safely: Q1 Q2 Q3 Brick Saws: Q1 Q2 Assessment Task - Interpret and comply with a SOP: Q1 Q6
	1.3. Signage and barricade requirements are identified and implemented.	Noise Prevention/Control: Q1 Assessment Task - Interpret and comply with a SOP: Q6
	1.4. Environmental requirements are identified for the project in accordance with environmental plans and statutory and regulatory authority obligations, and are applied.	Noise Prevention/Control: Q2 Waste Management for Brick Layers: Q1 Q2
2. Identify hand and power tools.	2.1. Types and functions of bricklaying and blocklaying hand and power tools, plant and equipment to be used in the bricklaying and blocklaying work are identified.	Types of Hand Tools: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Types of Power Tools: Q1 Q2 Spirit Levels: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Assessment Task - Use tools and equipment safely: Q1 Q2 Q3 Q4
	2.2. Methods of operation of hand and power tools are identified from specifications, standards and manufacturers' instructions.	Types of Hand Tools: Q5 Q7 Types of Power Tools: Q1 Q2 Assessment Task - Use tools and equipment safely: Q1 Q2 Q3 Q4

	2.3. Specific OHS requirements for specific hand and power tools are identified and applied.	
	2.4. Personal protective equipment required for the operation of the tools is identified in accordance with regulatory and workplace requirements.	Brick Saws: Q2 Assessment Task - Interpret and comply with a SOP: Q6 Assessment Task - Use tools and equipment safely: Q1 Q2 Q3 Q4
3. Select tools for work.	3.1. Tools and personal protective equipment are selected consistent with job requirements and bricklaying and blocklaying tasks.	Brick Saws: Q2 Assessment Task - Interpret and comply with a SOP: Q6
	3.2. Tools, including leads and hoses, are checked for tags, serviceability and safety and any faults are reported to supervisor.	Types of Power Tools: Q3 Brick Saws: Q2 Assessment Task - Interpret and comply with a SOP: Q1 Q6
	3.3. Power tools guards, guides and controls are checked and maintained in accordance with manufacturer recommendations.	Using Plant and Equipment Safely: Q2 Q3
	3.4. Equipment to hold or support material during operation is selected and inspected for faults.	Workplace Task: Use brick and blocklaying tools and equipment .
	3.5. Pre-operational checks, including lubricants, hydraulic fluid and water are completed, where required, according to manufacturer recommendations.	Dust reduction tools and equipment: Q4 Assessment Task - Interpret and comply with a SOP: Q1 Q2 Q3 Q4 Q5 Q6
4. Use tools.	4.1. Power and compressed air supply to work area are connected in accordance with regulatory requirements and codes of practice.	Assessment Task - Use tools and equipment safely: Q1 Q2 Q3 Q4
	4.2. Start up and shut down procedures are observed.	Assessment Task - Use tools and equipment safely: Q1 Q2 Q3 Q4 Workplace Task: Set up a cement mixer and mix mortar for the next task.
	4.3. Tools are used safely and effectively according to manufacturer recommendations and regulatory requirements.	Types of Power Tools: Q1 Q2 Assessment Task - Interpret and comply with a SOP: Q1 Q6 Assessment Task - Use tools and equipment safely: Q1 Q2 Q3 Q4

	4.4. Tools are safely located when not in use.	Assessment Task - Interpret and comply with a SOP: Q1 Assessment Task - Use tools and equipment safely: Q1 Q2 Q3 Q4
5. Identify and select plant and equipment.	5.1. Function and limitations of plant and equipment to be used in the bricklaying and blocklaying work are identified.	Plant and Equipment Hazards (Mobile Plant) : Q1 Q2 Generators: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Assessment Task - Interpret and comply with a SOP: Q1 Q2 Q3 Q4 Q5 Q6
	5.2. Method of operation of plant and equipment is identified from specifications, standards and manufacturers' instructions.	Plant and Equipment Hazards (Mobile Plant) : Q1 Q2 Generators: Q3 Q4 Q5 Q6
	5.3. OHS requirements for specific plant and equipment, including requirements for guarding, guiding and controls, are identified and applied.	Using Plant and Equipment Safely: Q2 Q3 Dust reduction tools and equipment: Q1 Q2 Q3 Q4 Plant and Equipment Hazards (Mobile Plant) : Q1 Q2 Assessment Task - Interpret and comply with a SOP: Q1 Q6
	5.4. Personal protective equipment required for the operation of plant and equipment is identified in accordance with regulatory and workplace requirements.	Plant and Equipment Hazards (Mobile Plant) : Q1 Q2 Brick Saws: Q2 Assessment Task - Interpret and comply with a SOP: Q6
	5.5. Items of plant and equipment are selected consistent with hazard minimisation and needs of the job.	Plant and Equipment Hazards (Mobile Plant) : Q1 Q2 Brick Saws: Q1
	5.6. Plant and equipment are checked for safety, and faults are reported to supervisor.	Using Plant and Equipment Safely: Q1 Q2 Q3 Plant and Equipment Hazards (Mobile Plant) : Q1 Q2 Brick Saws: Q1 Q2 Assessment Task - Interpret and comply with a SOP: Q1 Q2 Q3 Q4 Q5 Q6
	5.7. OHS requirements for operating and using plant and equipment are recognised and adhered to.	Dust reduction tools and equipment: Q1 Q2 Q3 Q4 Plant and Equipment Hazards (Mobile Plant) : Q1 Q2 Assessment Task - Interpret and comply with a SOP: Q1 Q6
6. Use plant and equipment.	6.1. Start up and shut down procedures are observed.	Generators: Q4 Assessment Task - Interpret and comply with a SOP: Q1 Q2 Q3 Q4 Q5 Q6 Assessment Task - Use tools and equipment safely: Q1 Q2 Q3 Q4 Workplace Task: Set up a cement mixer and mix mortar for the next task.

	6.2. Plant and equipment are used safely and effectively according to manufacturer recommendations and statutory and regulatory authority requirements.	Dust reduction tools and equipment: Q1 Q2 Q3 Q4 Plant and Equipment Hazards (Mobile Plant) : Q1 Q2 Generators: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Assessment Task - Interpret and comply with a SOP: Q1 Q2 Q3 Q4 Q5 Q6 Assessment Task - Use tools and equipment safely: Q1 Q2 Q3 Q4
	6.3. Plant and equipment are safely switched and located when not in use.	Assessment Task - Interpret and comply with a SOP: Q1 Q2 Q3 Q4 Q5 Q6 Assessment Task - Use tools and equipment safely: Q1 Q2 Q3 Q4
7. Clean up.	7.1. Work area is cleared and materials disposed of, reused or recycled in accordance with legislation, regulations, codes of practice and job specification.	Using Plant and Equipment Safely: Q4 Q5
	7.2. Machinery, tools and equipment are cleaned, checked, maintained and stored in accordance with manufacturer recommendations and standard work practices.	Using Plant and Equipment Safely: Q4 Q5

REQUIRED SKILLS

Required Skill	Task / Question Map
Required skills for this unit are:	
communication skills to:	
<i>determine requirements</i>	<i>Plant and Equipment Hazards (Mobile Plant) : Q1 Q2</i> <i>Required Communication Skills: Q1 Q2 Q3</i>
<i>enable clear and direct communication, using questioning to identify and confirm requirements, share information, listen and understand</i>	<i>Required Communication Skills: Q1 Q2 Q3</i>
<i>follow instructions</i>	<i>Required Communication Skills: Q1 Q2 Q3</i>
read and interpret:	
<i>drawings and specifications</i>	<i>Assessment Task - Interpret and comply with a SOP: Q1 Q2 Q3 Q4 Q5 Q6</i>
<i>manufacturers' instructions</i>	<i>Assessment Task - Interpret and comply with a SOP: Q1 Q2 Q3 Q4 Q5 Q6</i>
<i>other relevant documentation</i>	<i>Assessment Task - Interpret and comply with a SOP: Q1 Q2 Q3 Q4 Q5 Q6</i>
<i>report faults</i>	
<i>use language and concepts appropriate to cultural differences</i>	<i>Required Communication Skills: Q1 Q2 Q3</i>
<i>use and interpret non-verbal communication, such as hand signals</i>	<i>Required Communication Skills: Q1 Q2 Q3</i>
<i>numeracy skills to apply measurements and make calculations</i>	<i>Calculating Bricks: Q1 Q2 Q3</i> <i>Using Ratios: Q1 Q2 Q3 Q4 Q5</i>
<i>organisational skills, including the ability to plan and set out work</i>	
<i>teamwork skills to work with others to action tasks and relate to people from a range of cultural and ethnic backgrounds and with varying physical and mental abilities</i>	
technological skills to:	

<i>use a range of mobile technology, such as two-way radio and mobile phones</i>	<i>Required Communication Skills: Q1 Q2 Q3</i>
<i>voice and hand signals to access and understand site-specific instructions.</i>	<i>Required Communication Skills: Q1 Q2 Q3</i>

REQUIRED KNOWLEDGE

Required Knowledge	Task / Question Map
Required knowledge for this unit is:	
<i>applications, limitations and method of operation and maintenance of hand and power tools, plant and equipment applicable to bricklaying and blocklaying tasks</i>	<i>Types of Hand Tools: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Types of Power Tools: Q1 Q2 Spirit Levels: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Generators: Q1 Q2 Q3 Q4 Q5 Q6 Q7</i>
<i>construction terminology</i>	
<i>hazards associated with the use of bricklaying and blocklaying tools, plant and equipment</i>	<i>Noise Prevention/Control: Q1 Q2 Brick Saws: Q1</i>
<i>job safety analysis (JSA) and safe work method statements</i>	<i>Assessment Task - Read and interpreting SDS, JSA, and SWMS: Q2 Q3</i>
<i>material safety data sheets (MSDS)</i>	
<i>materials storage and environmentally friendly waste management</i>	<i>Waste Management for Brick Layers: Q1 Q2</i>
<i>plans, specifications and drawings</i>	<i>Assessment Task - Interpret and comply with a SOP: Q1 Q2 Q3 Q4 Q5 Q6</i>
<i>processes for the calculation of material requirements</i>	<i>Calculating Bricks: Q1 Q2 Q3</i>
<i>quality requirements</i>	
<i>workplace and equipment safety requirements.</i>	<i>Using Plant and Equipment Safely: Q1 Q2 Q3 Brick Saws: Q1 Q2 Assessment Task - Interpret and comply with a SOP: Q1 Q6</i>

CRITICAL ASPECTS

Critical Aspects	Task / Question Map
A person who demonstrates competency in this unit must be able to provide evidence of the ability to:	
<i>locate, interpret and apply relevant information, standards and specifications</i>	Assessment Task - Interpret and comply with a SOP: Q1 Q2 Q3 Q4 Q5 Q6
<i>comply with site safety plan and OHS legislation, regulations and codes of practice applicable to workplace operations</i>	Noise Prevention/Control: Q1 Q2 First Aid for Minor Injuries: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Using Plant and Equipment Safely: Q1 Q2 Q3 Brick Saws: Q1 Q2 Assessment Task - Interpret and comply with a SOP: Q1 Q2 Q3 Q4 Q5
<i>comply with organisational policies and procedures, including quality requirements</i>	Assessment Task - Interpret and comply with a SOP: Q1 Q2 Q3 Q4 Q5 Q6
<i>safely and effectively use tools, plant and equipment</i>	Types of Hand Tools: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Types of Power Tools: Q1 Q2 Plant and Equipment Hazards (Mobile Plant) : Q1 Q2 Generators: Q1 Q2 Q3 Q4 Q5 Q6 Q7
<i>communicate and work effectively and safely with others</i>	Plant and Equipment Hazards (Mobile Plant) : Q2 Required Communication Skills: Q1 Q2 Q3
<i>use prescribed brick and blocklaying tools and equipment</i>	Types of Hand Tools: Q5 Q7 Types of Power Tools: Q1 Q2 Workplace Task: Use brick and blocklaying tools and equipment .
<i>set up a cement mixer and mix mortar for the next task</i>	Assessment Task - Interpret and comply with a SOP: Q1 Q2 Q3 Q4 Q5 Workplace Task: Set up a cement mixer and mix mortar for the next task.
<i>construct a brick wall 600mm high and at least 1200mm long in stretcher bond with a round iron joint finish with all halves to be hand cut and scutched</i>	Assessment Task - Use tools and equipment safely: Q1 Workplace Task: Construct a round iron joint finish with all halves to be hand cut and scutched.

use a jig saw to develop an arch centre or curved wall template	Types of Power Tools: Q1 Assessment Task - Use tools and equipment safely: Q2 Workplace Task: Use a jig saw to develop an arch centre or curved wall template.
use a brick saw to cut:	
a 110mm bat	Assessment Task - Use tools and equipment safely: Q3 Workplace Task: Use a brick saw to cut a 110mm bat.
a 170mm (3/4) bat	Assessment Task - Use tools and equipment safely: Q3 Workplace Task: Use a brick saw to cut a 170mm (3/4) bat.
a queen closure	Assessment Task - Use tools and equipment safely: Q3 Workplace Task: Use a brick saw to cut a queen closure.
a split	Assessment Task - Use tools and equipment safely: Q3 Workplace Task: Use a brick saw to cut a split.
a compound mitre	Assessment Task - Use tools and equipment safely: Q3 Workplace Task: Use a brick saw to cut a compound mitre.
use a block saw to cut 10 of each 200 and 100 series blocks to various sizes.	Assessment Task - Use tools and equipment safely: Q4 Workplace Task: Use a block saw to cut 200 series blocks to various sizes. Workplace Task: Use a block saw to cut 100 series blocks to various sizes.

RANGE STATEMENTS

Range Statements	Task / Question Map	
<i>Information includes:</i>	<i>diagrams or sketches</i>	
	<i>instructions issued by authorised organisational or external personnel</i>	
	<i>manufacturer specifications and instructions where specified</i>	
	<i>memos</i>	
	<i>MSDS</i>	
	<i>organisation work specifications and requirements</i>	
	<i>plans and specifications</i>	
	<i>regulatory and legislative requirements pertaining to the use of bricklaying and blocklaying hand and power tools, plant and equipment</i>	<i>Types of Power Tools: Q1 Q2</i>
	<i>relevant Australian standards</i>	<i>Using Plant and Equipment Safely: Q3</i>
	<i>safe work procedures related to the use of bricklaying and blocklaying hand and power tools, plant and equipment</i>	
	<i>signage</i>	
	<i>verbal or written and graphical instructions</i>	
	<i>work bulletins</i>	
	<i>work schedules.</i>	

Safety (OHS) is to be in accordance with legislation, regulations, codes of practice, organisational safety policies and procedures, and project safety plan and may include:	emergency procedures, including emergency shutdown and stopping, extinguishing fires, organisational first aid requirements and evacuation	First Aid for Minor Injuries: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9
	handling of materials	
	hazard control	Noise Prevention/Control: Q1 Q2 Brick Saws: Q1
	hazardous materials and substances	Brick Saws: Q2
safe operating procedures, including the conduct of operational risk assessment and treatments associated with:		
	earth leakage boxes	
	lighting	
	power cables, including overhead service trays, cables and conduits	
	restricted access barriers	
	traffic control	
	trip hazards	
	underground services, including water, gas, electricity and communications	
	work site visitors and the public	
	working at heights	
	working in proximity to others	
	working with dangerous materials	
	organisational first aid	First Aid for Minor Injuries: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9
	personal protective clothing and equipment prescribed under legislation, regulations and workplace policies and practices	Brick Saws: Q2 Assessment Task - Interpret and comply with a SOP: Q6
	use of firefighting equipment	
	use of tools and equipment	Types of Power Tools: Q1 Q2

	<i>workplace environment and safety.</i>	<i>First Aid for Minor Injuries: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Using Plant and Equipment Safely: Q1 Q2 Q3 Waste Management for Brick Layers: Q1 Q2 Brick Saws: Q1 Q2 Assessment Task - Interpret and comply with a SOP: Q6</i>
<i>Environmental requirements include:</i>	<i>clean-up protection</i>	<i>Using Plant and Equipment Safely: Q4 Q5 Waste Management for Brick Layers: Q1 Q2</i>
	<i>noise and dust</i>	<i>Noise Prevention/Control: Q1 Q2 Dust reduction tools and equipment: Q1 Q2 Q3 Q4 Waste Management for Brick Layers: Q1 Q2</i>
	<i>vibration</i>	<i>Waste Management for Brick Layers: Q1 Q2</i>
	<i>waste management.</i>	<i>Waste Management for Brick Layers: Q1 Q2</i>
<i>Statutory and regulatory authorities include:</i>	<i>federal, state and local authorities administering applicable Acts, regulations and codes of practice.</i>	
Hand and power tools, plant and equipment:	include those required to facilitate the effective laying of bricks and blocks and include:	
	<i>bolsters</i>	
	<i>brick grabs</i>	
	<i>brooms</i>	
	<i>builders' lines</i>	<i>Types of Hand Tools: Q1</i>
	<i>concrete mixers</i>	<i>Concrete Mixers: Q1</i>
	<i>hammers (brickies, club and scutch)</i>	<i>Types of Hand Tools: Q1</i>
	<i>hoses</i>	
	<i>jig saws</i>	<i>Types of Power Tools: Q1</i>
	<i>jointing tools</i>	<i>Types of Hand Tools: Q1</i>
	<i>line blocks</i>	<i>Types of Hand Tools: Q1</i>
	<i>line pins</i>	<i>Types of Hand Tools: Q1 Q4</i>
	<i>masonry saws</i>	<i>Dust reduction tools and equipment: Q1 Q2 Q3 Q4 Types of Power Tools: Q2</i>
	<i>measuring tapes and rules</i>	

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	<i>mortar boards</i>	
	<i>profiles</i>	
	<i>rakes</i>	<i>Types of Hand Tools: Q6</i>
	<i>shovels</i>	
	<i>spirit levels</i>	<i>Types of Hand Tools: Q1</i> <i>Spirit Levels: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8</i>
	<i>straight edges</i>	
	<i>trowels</i>	<i>Types of Hand Tools: Q2 Q3</i>
	<i>wheelbarrows</i>	
<i>may include:</i>		
	<i>bricksaws</i>	<i>Brick Saws: Q1 Q2</i>
	<i>circular saws</i>	
	<i>elevators</i>	
	<i>materials hoists</i>	
	<i>scaffolds</i>	
	<i>small petrol or diesel engines, compressors or mixers.</i>	<i>Types of Power Tools: Q5</i>
<i>Bricklaying and blocklaying tasks:</i>	<i>include all clay brick (wire cut/pressed) and concrete block (hollow and solid) masonry work</i>	
	<i>may be performed on a new construction site, an existing structure being renovated or extended or an existing structure subject to service restoration or maintenance.</i>	