



Unit Specification for Regulated Qualifications

Unit title	Producing Standard Stonemasonry Components in the Workplace
Unit Level	2
Credit	210
Guided Learning Hours	70
SQA Unit code	J020 68
Regulator Unit code	M/616/9671
Publication date	April 2018
Unit Owner and Reference	CITB 188v3
Version	1

Title:	Producing standard stonemasonry components in the workplace	
Level:	2	
Value for TQT:	210	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when producing standard stonemasonry components.	1.1	Interpret and extract relevant information from drawings, specifications, schedules, method statements, risk assessments and manufacturers' information.
	1.2	Comply with information and/or instructions derived from risk assessments and method statements.
	1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
	1.4	Describe different types of information, their source and how they are interpreted in relation to: <ul style="list-style-type: none"> – drawings, specifications, schedules, method statements, risk assessments, manufacturers' and technical information and current regulations associated with producing standard stonemasonry components
2 Know how to comply with relevant legislation and official guidance when producing standard stonemasonry components.	2.1	Describe their responsibilities regarding potential accidents, incidents, health hazards and the environment, whilst working: <ul style="list-style-type: none"> – in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances and with movement/storage of materials by manual handling and mechanical lifting.
	2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company, public, operative, plant and machinery.
	2.3	Explain what the accident reporting procedures are and who is responsible for making reports.

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3 Maintain safe and healthy working practices when producing standard stonemasonry components.	3.1 Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements when producing standard stonemasonry components.
	3.2 Demonstrate compliance with given information and relevant legislation producing standard stonemasonry components, in relation to the following: <ul style="list-style-type: none"> – safe use of access equipment – safe use, storage and handling of materials, tools and equipment – specific risks to health.
	3.3 Explain why and when health and safety control equipment, identified by the principles of prevention, should be used, relating to producing standard stonemasonry components, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: <ul style="list-style-type: none"> – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV).
	3.4 Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.
	3.5 Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries, near misses, evacuations and other task-related activities.
4 Select the required quantity and quality of resources for the methods of work to produce standard stonemasonry components.	4.1 Select resources associated with own work in relation to materials, components, tools and equipment.
	4.2 Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: <ul style="list-style-type: none"> – lifting and access equipment – natural stone – templates and moulds – fittings – hand tools, power tools, ancillary and safety equipment.

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4 Continued		4.3	Describe how to confirm that the resources and materials conform to the specification.
		4.4	Describe how the resources should be used correctly and how problems associated with the resources are reported.
		4.5	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
		4.6	Describe any potential hazards associated with the resources and methods of work.
		4.7	Describe how to calculate quantity, length, area, weight and wastage associated with the method/procedure to produce standard stonemasonry components.
5 Minimise the risk of damage to the work and surrounding area when producing standard stonemasonry components.		5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
		5.2	Maintain a clear and tidy work space.
		5.3	Dispose of waste in accordance with current legislation.
		5.4	Explain how to comply with employer's quality procedures.
		5.5	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
		5.6	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational and quality procedures, manufacturers' information, statutory regulations and official guidance.
6 Complete the work within the allocated time when producing standard stonemasonry components.		6.1	Demonstrate safe completion of the work within the estimated, agreed allocated time.
		6.2	Describe the purpose of the work programme and explain why deadlines should be kept in relation to: <ul style="list-style-type: none"> – types of programmes of work and estimated times – organisational procedures for reporting circumstances which will affect the work programme.

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7 Comply with the given contract information to produce standard stonemasonry components to the required specification.	7.1 Demonstrate the following work skills when producing standard stonemasonry components: – measuring, evaluating, marking out, shaping, finishing, lifting, handling and transporting.	
	7.2 Use and maintain hand tools, power tools, ancillary RPE and/or LEV equipment.	
	7.3 Arrange the lifting of stonemasonry components to given working instructions	
	7.4 Produce natural stone components to given working instructions: – shaped true and square – moulded straight, returned ends and returned stop ends – internal and external mitres – prepared for fixings.	
	7.5 Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: – identify and understand the organisational quality requirements – select suitable stone – prepare stones for lifting – lift stones using approved methods – position and secure stones in required locations – identify bedding plane and position plane to suit the use of the stone component – check stone for faults – produce natural stone components with true and square surfaces, moulded straight, with returned ends, returned stop ends, external and internal mitres in accordance with templates, moulds and drawings – form fixing provisions – tool surfaces to required finish	

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7 Continued	7.5	<ul style="list-style-type: none"> - determine when specialist skills and knowledge are required and report accordingly
	contd	<ul style="list-style-type: none"> - understand specific requirements for structures of special interest, traditional build (pre 1919) and historical significance - work with, around and in close proximity to plant and machinery - use hand tools, power tools, ancillary and safety equipment - work at height - use access and lifting equipment.
	7.6	Describe the needs of other occupations and how to communicate effectively within a team when producing standard stonemasonry components.
	7.7	Describe how to maintain the hand tools, power tools, ancillary and safety equipment used when producing standard stonemasonry components.

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Additional information about this unit	
Assessment Guidance	<p>This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment.</p> <p>Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.</p> <p>Workplace evidence of skills cannot be simulated.</p>
Sector Subject Areas	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	70