



## **Level 2 NVQ Diploma in Stonemasonry (Construction)**

### **Qualification Specification**

# Contents

	<b>Page</b>
Introduction	3
Qualification profile	3
Qualification Structure	4
Centre requirements	9
Support for candidates	9
Links to National Standards / NOS mapping	9
Assessment	10
Internal quality assurance	10
Adjustments to assessment	11
Results enquiries and appeals	11
Certification	11
Units - learning outcomes and assessment criteria	12

## Introduction

The ProQual Level 2 NVQ Diploma in Stonemasonry (Construction) qualification provides a nationally recognised qualification for those working in this specialised area of construction.

The awarding body for this qualification is ProQual Awarding Body ([www.proqualab.com](http://www.proqualab.com)) and the regulatory body is the Office of Qualifications and Examinations Regulation (Ofqual); It is also endorsed by the sector body for construction - CITB.

The qualification has been accredited onto the Regulated Qualifications Framework (RQF) and is published on Ofqual's Register of Qualifications.

## Qualification Profile Level 2 NVQ Diploma in Stonemasonry (Construction)

Qualification title	<b>ProQual Level 2 NVQ Diploma in Stonemasonry (Construction)</b>
Ofqual qualification number	603/3042/9
Level	2
Total Qualification Time	420 hours (204 GLH)
Assessment	Pass or fail Internally assessed and verified by centre staff External quality assurance by ProQual verifiers
Qualification start date	12/3/2018
Qualification end date	

## Entry Requirements

There are no formal entry requirements for this qualification.

Centres should carry out an **initial assessment** of candidate skills and knowledge to identify any gaps and help plan the assessment.

## Qualification Structure

To achieve the qualification candidates must complete one of the Pathways, candidates may also complete any of the Pathway Additional Units.

Pathway 1 – Banker Masonry

Pathway 2 – External Stone Fixing

Pathway 3 – Internal Stone Fixing

Pathway 4 – Memorial Masonry

Pathway 5 – Stone Cutting

Pathway 6 – Stone Cladding

Pathway 7 – Heritage Mason

**CITB references are provided in this document for information only.**

### Pathway 1 – Banker Mason

Candidates must complete all of the Mandatory units in this pathway.

Pathway 1 Mandatory Units			<i>CITB references for information only</i>
Unit Ref.	Title	Level	<i>CITB Internal Unit Ref.</i>
<b>M/508/6537</b>	Conforming to general health, safety and welfare in the workplace	1	641
<b>T/508/6538</b>	Conforming to productive working practices in the workplace	2	642
<b>Y/508/6533</b>	Moving, handling and storing resources in the workplace	2	643
<b>M/616/9184</b>	Producing standard templates and moulds in the workplace	2	187v3
<b>T/616/9185</b>	Producing standard stonemasonry components in the workplace	2	188v3
Pathway 1 Additional Unit – not compulsory			<i>CITB references for information only</i>
Unit Ref.	Title	Level	<i>CITB Internal Unit Ref.</i>
<b>K/616/9202</b>	Producing standard architectural stone enrichments in the workplace	2	195v4

## Pathway 2 – External Stone Fixing

Candidates must complete all of the Mandatory units in this pathway.

Pathway 2 Mandatory Units			<i>CITB references for information only</i>
Unit Ref.	Title	Level	<i>CITB Internal Unit Ref.</i>
<b>M/508/6537</b>	Conforming to general health, safety and welfare in the workplace	1	641
<b>T/508/6538</b>	Conforming to productive working practices in the workplace	2	642
<b>Y/508/6533</b>	Moving, handling and storing resources in the workplace	2	643
<b>A/616/9186</b>	Preparing backgrounds and setting out basic external stonemasonry in the workplace	2	189v3
<b>F/616/9187</b>	Erecting basic external stonemasonry in the workplace	2	190v3
Pathway 2 Additional Units – not compulsory			<i>CITB references for information only</i>
Unit Ref.	Title	Level	<i>CITB Internal Unit Ref.</i>
<b>M/616/9203</b>	Repairing basic stonemasonry structures in the workplace	2	196v3
<b>T/616/9204</b>	Installing internal stone flooring in the workplace	3	227v3

### Pathway 3 – Internal Stone Fixing

Candidates must complete all of the Mandatory units in this pathway.

Pathway 3 Mandatory Units			<i>CITB references for information only</i>
Unit Ref.	Title	Level	<i>CITB Internal Unit Ref.</i>
<b>M/508/6537</b>	Conforming to general health, safety and welfare in the workplace	1	641
<b>T/508/6538</b>	Conforming to productive working practices in the workplace	2	642
<b>Y/508/6533</b>	Moving, handling and storing resources in the workplace	2	643
<b>J/616/9188</b>	Preparing background surfaces for internal stonefixing in the workplace	2	765v1
<b>L/616/9189</b>	Installing internal stonefixing in the workplace	2	766v1
Pathway 3 Additional Units – not compulsory			<i>CITB references for information only</i>
Unit Ref.	Title	Level	<i>CITB Internal Unit Ref.</i>
<b>M/616/9203</b>	Repairing basic stonemasonry structures in the workplace	2	196v3
<b>T/616/9204</b>	Installing internal stone flooring in the workplace	3	227v3

### Pathway 4 – Memorial Masonry

Candidates must complete all of the Mandatory units in this pathway.

Pathway 4 Mandatory Units			<i>CITB references for information only</i>
Unit Ref.	Title	Level	<i>CITB Internal Unit Ref.</i>
<b>M/508/6537</b>	Conforming to general health, safety and welfare in the workplace	1	641
<b>T/508/6538</b>	Conforming to productive working practices in the workplace	2	642
<b>Y/508/6533</b>	Moving, handling and storing resources in the workplace	2	643
<b>F/616/9190</b>	Fixing and securing memorial masonry in the workplace	2	194v3
<b>J/616/9191</b>	Providing details to memorial stones in the workplace	2	198V3

## Pathway 5 – Stone Cutting

Candidates must complete all of the Mandatory units in this pathway.

Pathway 5 Mandatory Units			<i>CITB references for information only</i>
Unit Ref.	Title	Level	<i>CITB Internal Unit Ref.</i>
<b>M/508/6537</b>	Conforming to general health, safety and welfare in the workplace	1	641
<b>T/508/6538</b>	Conforming to productive working practices in the workplace	2	642
<b>Y/508/6533</b>	Moving, handling and storing resources in the workplace	2	643
<b>L/616/9192</b>	Producing sawn stone products in the workplace	2	637v2
<b>R/616/9193</b>	Finishing stone products in the workplace	2	638v3

## Pathway 6 – Stone Cladding

Candidates must complete all of the Mandatory units in this pathway.

Pathway 6 Mandatory Units			<i>CITB references for information only</i>
Unit Ref.	Title	Level	<i>CITB Internal Unit Ref.</i>
<b>M/508/6537</b>	Conforming to general health, safety and welfare in the workplace	1	641
<b>T/508/6538</b>	Conforming to productive working practices in the workplace	2	642
<b>Y/508/6533</b>	Moving, handling and storing resources in the workplace	2	643
<b>D/616/9195</b>	Preparing background surfaces and fixings to receive stone cladding in the workplace	2	191v3
<b>K/616/9197</b>	Installing handset stone cladding to background structures in the workplace	2	192v3
Pathway 6 Additional Unit – not compulsory			<i>CITB references for information only</i>
Unit Ref.	Title	Level	<i>CITB Internal Unit Ref.</i>
<b>A/616/9205</b>	Repairing and replacing stone cladding in the workplace	2	197v3

## Pathway 7 – Heritage Mason

Candidates must complete all of the Mandatory units in this pathway.

Pathway 7 Mandatory Units			<i>CITB references for information only</i>
Unit Ref.	Title	Level	<i>CITB Internal Unit Ref.</i>
<b>M/508/6537</b>	Conforming to general health, safety and welfare in the workplace	1	641
<b>T/508/6538</b>	Conforming to productive working practices in the workplace	2	642
<b>Y/508/6533</b>	Moving, handling and storing resources in the workplace	2	643
<b>M/616/9184</b>	Producing standard templates and moulds in the workplace	2	187v3
<b>F/616/9187</b>	Erecting basic external stonemasonry in the workplace	2	190v3
<b>D/616/9200</b>	Conserving or restoring stonemasonry, brickwork or earthen structures in the workplace	3	547v1
<b>H/616/9201</b>	Preparing and mixing lime mortars in the workplace	3	548v1
Pathway 7 Additional Units – not compulsory			<i>CITB references for information only</i>
Unit Ref.	Title	Level	<i>CITB Internal Unit Ref.</i>
<b>T/616/9185</b>	Producing standard stonemasonry components in the workplace	2	188v3
<b>A/616/9186</b>	Preparing backgrounds and setting out basic external stonemasonry in the workplace	2	189v3



## Centre Requirements

Centres must be approved to offer this qualification. If your centre is not approved please complete and submit form **ProQual Additional Qualification Approval Application**.

### Staff

Staff delivering this qualification must be appropriately qualified and/or occupationally competent.

### Assessors/Internal Quality Assurance

Assessors for each 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.

Assessors and internal quality assurance verifiers for competence-based units or qualifications will normally need to hold appropriate assessor or internal quality assurance qualifications.

## Support for Candidates

Materials produced by centres to support candidates should:

- enable them to track their achievements as they progress through the learning outcomes and assessment criteria;
- provide information on where ProQual's policies and procedures can be viewed;
- provide a means of enabling Internal and External Quality Assurance staff to authenticate evidence

## Links to National Standards / NOS mapping

National Occupational Standards (NOS) are owned by a Sector Skills Council or Standard Setting Body and they describe the skills, knowledge and understanding needed to undertake a particular task or job at different levels of competence.

The structure and units of this qualification are based on NOS for the construction sector developed by CITB.

## Assessment

This qualification is competence-based, candidates must demonstrate the level of competence described in the units. Assessment is the process of measuring a candidate's skill, knowledge and understanding against the standards set in the qualification.

The qualifications must be assessed in a work environment and in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment, and it must be internally assessed by an appropriately experienced and qualified assessor.

Each candidate is required to produce a portfolio of evidence which demonstrates their achievement of all of the learning outcomes and assessment criteria for each unit.

- Evidence can include:
- observation report by assessor
  - assignments/projects/reports
  - professional discussion
  - witness testimony
  - candidate product
  - worksheets
  - record of oral and written questioning
  - Recognition of Prior Learning

**Learning outcomes** set out what a candidate is expected to know, understand or be able to do.

**Assessment criteria** specify the standard a candidate must meet to show the learning outcome has been achieved.

Learning outcomes and assessment criteria can be found from page 12.

**Additional information** for assessment and requirements for unit **endorsements** where relevant is included after all of the learning outcomes and assessment criteria for each unit.

## Internal Quality Assurance

An internal quality assurance verifier confirms that assessment decisions made in centres are made by competent and qualified assessors, that they are the result of sound and fair assessment practice and that they are recorded accurately and appropriately.

## Adjustments to Assessment

Adjustments to standard assessment arrangements are made on the individual needs of candidates. ProQual's Reasonable Adjustments Policy and Special Consideration Policy sets out the steps to follow when implementing reasonable adjustments and special considerations and the service that ProQual provides for some of these arrangements.

Centres should contact ProQual for further information or queries about the contents of the policy.

## Results Enquiries and Appeals

All enquiries relating to assessment or other decisions should be dealt with by centres, with reference to ProQual's Enquiries and Appeals Procedures.

## Certification

Candidates who achieve the requirements for this qualification will be awarded:

- A certificate listing all units achieved, and
- A certificate giving the full qualification title -

**ProQual Level 2 NVQ Diploma in Stonemasonry (Construction)**

### Claiming certificates

Centres may claim certificates for candidates who have been registered with ProQual and who have successfully achieved the qualification. All certificates will be issued to the centre for successful candidates.

### Unit certificates

If a candidate does not achieve all of the units required for a qualification, the centre may claim a unit certificate for the candidate which will list all of the units achieved.

### Replacement certificates

If a replacement certificate is required a request must be made to ProQual in writing. Replacement certificates are labelled as such and are only provided when the claim has been authenticated. Refer to the Fee Schedule for details of charges for replacement certificates.

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Conforming to general health, safety and welfare in the workplace.	
<b>Unit Number:</b>	M/508/6537	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
1 Comply with all workplace health, safety and welfare legislation requirements.	1.1	Comply with information from workplace inductions and any health, safety and welfare briefings attended relevant to the occupational area.
	1.2	Use health and safety control equipment safely to carry out the activity in accordance with legislation and organisational requirements.
	1.3	Comply with statutory requirements, safety notices and warning notices displayed within the workplace and/or on equipment.
	1.4	State why and when health and safety control equipment, identified by the principles of protection, should be used relating to types, purpose and limitations of each type, the work situation, occupational use and the general work environment, in relation to: <ul style="list-style-type: none"> <li>– collective protective measures</li> <li>– personal protective equipment (PPE)</li> <li>– respiratory protective equipment (RPE)</li> <li>– local exhaust ventilation (LEV).</li> </ul>
	1.5	State how the health and safety control equipment relevant to the work should be used in accordance with the given instructions.
	1.6	State which types of health, safety and welfare legislation, notices and warning signs are relevant to the occupational area and associated equipment.
	1.7	State why health, safety and welfare legislation, notices and warning signs are relevant to the occupational area.
	1.8	State how to comply with control measures that have been identified by risk assessments and safe systems of work.
2 Recognise hazards associated with the workplace that have not been previously controlled and report them in accordance with organisational procedures.	2.1	Report any hazards created by changing circumstances within the workplace in accordance with organisational procedures.
	2.2	List typical hazards associated with the work environment and occupational area in relation to resources, substances, asbestos, equipment, obstructions, storage, services and work activities.
	2.3	List the current Health and Safety Executive top ten safety risks.

## Units – Learning Outcomes and Assessment Criteria

Title:	Conforming to general health, safety and welfare in the workplace.	
Learning outcomes	Assessment criteria	
<i>The learner will be able to:</i>	<i>The learner can:</i>	
2 continued	2.4	List the current Health and Safety Executive top five health risks.
	2.5	State how changing circumstances within the workplace could cause hazards.
	2.6	State the methods used for reporting changed circumstances, hazards and incidents in the workplace.
3 Comply with organisational policies and procedures to contribute to health, safety and welfare.	3.1	Interpret and comply with given instructions to maintain safe systems of work and quality working practices.
	3.2	Contribute to discussions by offering/providing feedback relating to health, safety and welfare.
	3.3	Contribute to the maintenance of workplace welfare facilities in accordance with workplace welfare procedures.
	3.4	Safely store health and safety control equipment in accordance with given instructions.
	3.5	Dispose of waste and/or consumable items in accordance with legislation.
	3.6	State the organisational policies and procedures for health, safety and welfare, in relation to: <ul style="list-style-type: none"> <li>– dealing with accidents and emergencies associated with the work and environment</li> <li>– methods of receiving or sourcing information</li> <li>– reporting</li> <li>– stopping work</li> <li>– evacuation</li> <li>– fire risks and safe exit procedures</li> <li>– consultation and feedback.</li> </ul>
	3.7	State the appropriate types of fire extinguishers relevant to the work.
	3.8	State how and when the different types of fire extinguishers are used in accordance with legislation and official guidance.

## Units – Learning Outcomes and Assessment Criteria

Title:	Conforming to general health, safety and welfare in the workplace.	
Learning outcomes	Assessment criteria	
<i>The learner will be able to:</i>	<i>The learner can:</i>	
4 Work responsibly to contribute to workplace health, safety and welfare whilst carrying out work in the relevant occupational area.	4.1	Demonstrate behaviour which shows personal responsibility for general workplace health, safety and welfare.
	4.2	State how personal behaviour demonstrates responsibility for general workplace health, safety and welfare, in relation to: <ul style="list-style-type: none"> <li>– recognising when to stop work in the face of serious and imminent danger to self and/or others</li> <li>– contributing to discussions and providing feedback</li> <li>– reporting changed circumstances and incidents in the workplace</li> <li>– complying with the environmental requirements of the workplace.</li> </ul>
	4.3	Give examples of how the behaviour and actions of individuals could affect others within the workplace.
5 Comply with and support all organisational security arrangements and approved procedures.	5.1	Provide appropriate support for security arrangements in accordance with approved procedures: <ul style="list-style-type: none"> <li>– during the working day</li> <li>– on completion of the day’s work</li> <li>– for unauthorised personnel (other operatives and the general public)</li> <li>– for theft.</li> </ul>
	5.2	State how security arrangements are implemented in relation to the workplace, the general public, site personnel and resources.

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Conforming to general health, safety and welfare in the workplace.
<b>Additional information about this unit</b>	
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 Area	05.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	7

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Conforming to productive working practices in the workplace	
<b>Unit Number:</b>	T/508/6538	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
1 Communicate with others to establish productive work practices.	1.1	Communicate in an appropriate manner with line management, colleagues and/or customers to ensure that work is carried out productively.
	1.2	Describe the different methods of communicating with line management, colleagues and customers.
	1.3	Describe how to use different methods of communication to ensure that the work carried out is productive.
2 Follow organisational procedures to plan the sequence of work.	2.1	Interpret relevant information from organisational procedures in order to plan the sequence of work.
	2.2	Plan the sequence of work, using appropriate resources, in accordance with organisational procedures to ensure work is completed productively.
	2.3	Describe how organisational procedures are applied to ensure work is planned and carried out productively, in relation to: <ul style="list-style-type: none"> <li>– using resources for own and other’s work requirements</li> <li>– allocating appropriate work to employees</li> <li>– organising the work sequence</li> <li>– reducing carbon emissions.</li> </ul>
	2.4	Describe how to contribute to zero/low carbon work outcomes within the built environment.
3 Maintain relevant records in accordance with the organisational procedures.	3.1	Complete relevant documentation according to the occupation as required by the organisation.
	3.2	Describe how to complete and maintain documentation in accordance with organisational procedures, in relation to: <ul style="list-style-type: none"> <li>– job cards</li> <li>– worksheets</li> <li>– material/resource lists</li> <li>– time sheets.</li> </ul>
	3.3	Explain the reasons for ensuring documentation is completed clearly and within given timescales.
4 Maintain good working relationships when conforming to productive working practices.	4.1	Carry out work productively, to the agreed specification, in conjunction with line management, colleagues, customers and/or other relevant people involved in the work to maintain good working relationships.



## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Conforming to productive working practices in the workplace	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
	4.2	Apply the principles of equality and diversity and respect the needs of individuals when communicating and working with others.
	4.3	Describe how to maintain good working relationships, in relation to: <ul style="list-style-type: none"> <li>– individuals</li> <li>– customer and operative</li> <li>– operative and line management</li> <li>– own and other occupations.</li> </ul>
	4.4	Describe why it is important to work effectively with line management, colleagues and customers.
	4.5	Describe how working relationships could have an effect on productive working.
	4.6	Describe how to apply principles of equality and diversity when communicating and working with others.

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Conforming to Productive Working Practices in the Workplace
<b>Additional information about this unit</b>	
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	05.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	10

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Moving, handling and storing resources in the workplace	
<b>Unit Number</b>	Y/508/6533	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
1 Comply with given information when moving, handling and/or storing resources.	1.1	Interpret the given information relating to moving, handling and/or storing resources, relevant to the given occupation.
	1.2	Interpret the given information relating to the use and storage of lifting aids and equipment.
	1.3	Describe the different types of technical, product and regulatory information, their source and how they are interpreted.
	1.4	State the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
	1.5	Describe how to obtain information relating to using and storing lifting aids and equipment.
2 Know how to comply with relevant legislation and official guidance when moving, handling and/or storing resources.	2.1	Describe their responsibilities under current legislation and official guidance whilst working: <ul style="list-style-type: none"> <li>– in the workplace, in confined spaces, below ground level, at height, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.</li> </ul>
	2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
	2.3	Explain what the accident reporting procedures are and who is responsible for making the reports.
	2.4	State the appropriate types of fire extinguishers relevant to the work.
	2.5	Describe how and when the different types of fire extinguishers, relevant to the given occupation, are used in accordance with legislation and official guidance.
3 Maintain safe working practices when moving, handling and/or storing resources.	3.1	Use health and safety control equipment safely to carry out the activity in accordance with legislation and organisational requirements when moving, handling and/or storing resources.
	3.2	Use lifting aids safely as appropriate to the work.

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Moving, handling and storing resources in the workplace	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
3 continued	3.3	Protect the environment in accordance with safe working practices as appropriate to the work.
	3.4	Explain why and when health and safety control equipment, identified by the principles of protection, should be used, relating to moving, handling <b>and/or</b> storing resources, and the types, purpose and limitations of each type, the work situation, occupational use and the general work environment, in relation to: <ul style="list-style-type: none"> <li>– collective protective measures</li> <li>– personal protective equipment (PPE)</li> <li>– respiratory protective equipment (RPE)</li> <li>– local exhaust ventilation (LEV).</li> </ul>
	3.5	Describe how the health and safety control equipment relevant to the work should be used in accordance with the given instructions.
	3.6	State how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards.
4 Select the required quantity and quality of resources for the methods of work to move, handle and/or store occupational resources.	4.1	Select the relevant resources to be moved, handled and/or stored, associated with own work.
	4.2	Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the occupational resources in relation to: <ul style="list-style-type: none"> <li>– lifting and handling aids</li> <li>– container(s)</li> <li>– fixing, holding and securing systems.</li> </ul>
	4.3	Describe how the resources should be handled and how any problems associated with the resources are reported.
	4.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
	4.5	Describe any potential hazards associated with the resources and methods of work.
5 Prevent the risk of damage to occupational resources and surrounding environment when moving, handling and/or storing resources.	5.1	Protect occupational resources and their surrounding area from damage in accordance with safe working practices and organisational procedures.
	5.2	Dispose of waste and packaging in accordance with legislation.

## Units – Learning Outcomes and Assessment Criteria

Title:	Moving, handling and storing resources in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
5 continued	5.3	Maintain a clean work space when moving, handling or storing resources.
	5.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
	5.5	Explain why the disposal of waste should be carried safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance.
6 Complete the work within the allocated time when moving, handling and/or storing resources.	6.1	Demonstrate completion of the work within the allocated time.
	6.2	State the purpose of the work programme and explain why deadlines should be kept in relation to: <ul style="list-style-type: none"> <li>– progress charts, timetables and estimated times</li> <li>– organisational procedures for reporting circumstances which will affect the work programme.</li> </ul>
7 Comply with the given occupational resource information to move, handle <b>and/or</b> store resources to the required guidance.	7.1	Demonstrate the following work skills when moving, handling and/or storing occupational resources: <ul style="list-style-type: none"> <li>– moving, positioning, storing, securing and/or using lifting aids and kinetic lifting techniques.</li> </ul>
	7.2	Move, handle and/or store occupational resources to meet product information and organisational requirements relating to three of the following: <ul style="list-style-type: none"> <li>– sheet material</li> <li>– loose material</li> <li>– bagged or wrapped material</li> <li>– fragile material</li> <li>– tools and equipment</li> <li>– components</li> <li>– liquids.</li> </ul>
	7.3	Describe how to apply safe work practices, follow procedures, report problems and establish the authority needed to rectify them when moving, handling <b>and/or</b> storing occupational resources.
	7.4	Describe the needs of other occupations when moving, handling <b>and/or</b> storing resources.

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Moving, handling and storing resources in the workplace
<b>Additional information about this unit</b>	
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	05.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	17

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Producing standard templates and moulds in the workplace	
<b>Unit Number:</b>	M/616/9184	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when producing standard templates and moulds.	1.1	Interpret and extract relevant information from drawings, specifications, schedules, risk assessments, method statements 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"> <li>– drawings, specifications, schedules, method statements, risk assessments, manufacturers' and technical information, official guidance and current regulations associated with producing standard templates and moulds.</li> </ul>
2 Know how to comply with relevant legislation and official guidance when producing standard templates and moulds.	2.1	Describe their responsibilities regarding potential accidents, incidents, health hazards and the environment, whilst working: <ul style="list-style-type: none"> <li>– 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.</li> </ul>
	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.

## Units – Learning Outcomes and Assessment Criteria

Title:	Producing standard templates and moulds in the workplace	
Learning outcomes	Assessment criteria	
<i>The learner will be able to:</i>	<i>The learner can:</i>	
3 Maintain safe and healthy working practices when producing standard templates and moulds.	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 templates and moulds.
	3.2	Demonstrate compliance with given information and relevant legislation when producing standard templates and moulds, in relation to the following: <ul style="list-style-type: none"> <li>– safe use of access equipment</li> <li>– safe use, storage and handling of materials, tools and equipment</li> <li>– specific risks to health.</li> </ul>
	3.3	Explain why and when health and safety control equipment, identified by the principles of prevention, should be used, relating to producing standard templates and moulds, 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"> <li>– collective protective measures</li> <li>– personal protective equipment (PPE)</li> <li>– respiratory protective equipment (RPE)</li> <li>– local exhaust ventilation (LEV).</li> </ul>
	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 templates and moulds.	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"> <li>– sheet zinc</li> <li>– sheet plastic</li> <li>– sheet timber</li> <li>– moulding materials</li> <li>– hand tools, power tools, ancillary and safety equipment.</li> </ul>



## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Producing standard templates and moulds in the workplace	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
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, weight, volume, area and wastage associated with the method/procedure to produce standard templates and moulds.
5 Minimise the risk of damage to the work and surrounding area when producing standard templates and moulds.	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	Demonstrate compliance 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.

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Producing standard templates and moulds in the workplace	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
6 Complete the work within the allocated time when producing standard templates and moulds.	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"> <li>– types of programmes of work and estimated times</li> <li>– organisational procedures for reporting circumstances which will affect the work programme.</li> </ul>
7 Comply with the given contract information to produce standard templates and moulds to the required specification.	7.1	Demonstrate the following work skills when producing standard templates and moulds: <ul style="list-style-type: none"> <li>– measuring, marking out, cutting and finishing.</li> </ul>
	7.2	Use and maintain hand tools, power tools, ancillary and safety equipment.
	7.3	Produce basic section bed and face moulds to given working instructions for: <ul style="list-style-type: none"> <li>– natural stone components, shaped true and square and moulded straight with stop ends and returns.</li> </ul>
	7.4	Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: <ul style="list-style-type: none"> <li>– identify and understand the organisational quality requirements particular to the proposed or existing structure.</li> <li>– understand how to identify stone type, dimensional and form accuracy (e.g. moulding, shape, consistency).</li> <li>– produce templates and moulds for natural stone components to obtain true and square surfaces, mouldings, mouldings with returned and stopped ends and curved mouldings</li> <li>– understand why photographic records could be required.</li> <li>– record relevant information on template</li> <li>– determine when specialist skills and knowledge are required and report accordingly.</li> <li>– understand specific requirements for structures of special interest, traditional build (pre 1919) and historical significance.</li> <li>– work with, around and in close proximity to plant and machinery.</li> <li>– use hand tools, power tools, ancillary and safety equipment.</li> </ul>
	7.5	Describe the needs of other occupations and how to communicate effectively within a team when producing standard templates and moulds.
	7.6	Describe how to maintain the tools, and equipment used when producing standard templates and moulds.

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Producing standard templates and moulds in the workplace
<b>Additional information about this unit</b>	
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	50

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Producing standard stonemasonry components in the workplace	
<b>Unit Number:</b>	T/616/9185	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <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"> <li>– drawings, specifications, schedules, method statements, risk assessments, manufacturers' and technical information and current regulations associated with producing standard stonemasonry components</li> </ul>
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"> <li>– 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.</li> </ul>
	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.

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Producing standard stonemasonry components in the workplace	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
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"> <li>– safe use of access equipment</li> <li>– safe use, storage and handling of materials, tools and equipment</li> <li>– specific risks to health.</li> </ul>
	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"> <li>– collective protective measures</li> <li>– personal protective equipment (PPE)</li> <li>– respiratory protective equipment (RPE)</li> <li>– local exhaust ventilation (LEV).</li> </ul>
	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"> <li>– lifting and access equipment</li> <li>– natural stone</li> <li>– templates and moulds</li> <li>– fittings</li> <li>– hand tools, power tools, ancillary and safety equipment.</li> </ul>

## Units – Learning Outcomes and Assessment Criteria

Title:	Producing standard stonemasonry components in the workplace	
Learning outcomes	Assessment criteria	
<i>The learner will be able to:</i>	<i>The learner can:</i>	
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"> <li>– types of programmes of work and estimated times</li> <li>– organisational procedures for reporting circumstances which will affect the work programme.</li> </ul>

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Producing standard stonemasonry components in the workplace
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>
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: <ul style="list-style-type: none"> <li>– measuring, evaluating, marking out, shaping, finishing, lifting, handling and transporting.</li> </ul>
	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: <ul style="list-style-type: none"> <li>– shaped true and square</li> <li>– moulded straight, returned ends and returned stop ends</li> <li>– internal and external mitres</li> <li>– prepared for fixings.</li> </ul>
	7.5 Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: <ul style="list-style-type: none"> <li>– identify and understand the organisational quality requirements</li> <li>– select suitable stone</li> <li>– prepare stones for lifting</li> <li>– lift stones using approved methods</li> <li>– position and secure stones in required locations</li> <li>– identify bedding plane and position plane to suit the use of the stone component</li> <li>– check stone for faults</li> <li>– 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</li> <li>– form fixing provisions</li> <li>– tool surfaces to required finish</li> </ul>

Continued/...

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Producing standard stonemasonry components in the workplace	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
7 Continued	7.5 contd	<ul style="list-style-type: none"> <li>– determine when specialist skills and knowledge are required and report accordingly</li> <li>– understand specific requirements for structures of special interest, traditional build (pre 1919) and historical significance</li> <li>– work with, around and in close proximity to plant and machinery</li> <li>– use hand tools, power tools, ancillary and safety equipment</li> <li>– work at height</li> <li>– use access and lifting equipment.</li> </ul>
	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.



## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Producing standard stonemasonry components in the workplace
<b>Additional information about this unit</b>	
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

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Preparing backgrounds and setting out basic external stonemasonry in the workplace	
<b>Unit Number:</b>	A/616/9186	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when preparing backgrounds and setting out basic external stonemasonry.	1.1	Interpret and extract relevant information from drawings, specifications, schedules, method statements, risk assessments and manufacturer's 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"> <li>– drawings, specifications, schedules, method statements, risk assessments, technical information, appropriate guidance, and current regulations governing buildings.</li> </ul>
2 Know how to comply with relevant legislation and official guidance when preparing backgrounds and setting out basic external stonemasonry.	2.1	Describe their responsibilities regarding potential accidents, health hazards and the environment, whilst working in the workplace and with setting out equipment.
	2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
	2.3	Explain what the accident reporting procedures are and who is responsible for making reports.

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Preparing backgrounds and setting out basic external stonemasonry in the workplace	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
3 Maintain safe and healthy working practices when preparing backgrounds and setting out basic external stonemasonry.	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 preparing backgrounds and setting out basic external stonemasonry.
	3.2	Demonstrate compliance with given information and relevant legislation when preparing backgrounds and setting out basic external stonemasonry in relation to the following: <ul style="list-style-type: none"> <li>– safe use of access equipment</li> <li>– safe use, storage and handling of materials, tools and equipment</li> <li>– specific risks to health</li> </ul>
	3.3	Explain why and when health and safety control equipment, identified by the principles of prevention, should be used, relating to preparing backgrounds and setting out basic external stonemasonry, 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"> <li>– collective protective measures</li> <li>– local exhaust ventilation (LEV)</li> <li>– personal protective equipment (PPE)</li> <li>– respiratory protective equipment (RPE).</li> </ul>
	3.3	Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.
	3.4	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related activities.
4 Select the required quantity and quality of resources for the methods of work to prepare backgrounds and set out basic external stonemasonry.	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"> <li>– load bearing support and restraint systems</li> <li>– mechanical anchors, chemical anchors and studs</li> <li>– insulation boards, membranes, fire stops, cavity trays</li> <li>– sealants</li> <li>– levels (water, optical, laser), spirit level, straight-edge, tape measures, pegs, profiles, square</li> <li>– hand tools, portable power tools and setting out equipment.</li> </ul>

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Preparing backgrounds and setting out basic external stonemasonry in the workplace	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
4 continued	4.3	Describe how the resources should be used correctly and how problems associated with the resources are reported.
	4.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
	4.5	Describe any potential hazards associated with the resources and methods of work.
	4.6	Describe how to calculate quantity, distances, length, diagonals, levels, area, volume and wastage associated with the method and procedure to prepare backgrounds and set out basic external stonemasonry.
5 Minimise the risk of damage to the work and surrounding area when preparing backgrounds and setting out basic external stonemasonry.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
	5.2	Maintain a clean work space.
	5.3	Dispose of waste in accordance with current legislation.
	5.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
	5.5	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturer's information, statutory regulations and official guidance.
6 Complete the work within the allocated time when preparing backgrounds and setting out basic external stonemasonry.	6.1	Demonstrate completion of the work within the 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"> <li>– types of progress charts, timetables and estimated times</li> <li>– organisational procedures for reporting circumstances which will affect the work programme.</li> </ul>

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Preparing backgrounds and setting out basic external stonemasonry in the workplace	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
7 Comply with the given contract information to prepare backgrounds and set out basic external stonemasonry.	7.1	Demonstrate the following work skills when preparing backgrounds and setting out basic external stonemasonry: – measuring, marking out, levelling, drilling, fitting, cutting, positioning, fixing, securing and sealing.
	7.2	Use and maintain hand tools, portable power tools and setting out equipment
	7.3	Prepare backgrounds to given working instructions for: – load bearing support and restraint systems to solid structures – insulation (membranes, fire stops) – cavity trays and damp proof membranes (DPM)
	7.3	Set out regular shaped external stonemasonry on level ground to given working instructions.
	7.5	Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: – set out location of support and restraint systems – fix load bearing support and restraint systems – fix cavity trays – cut and fix insulation (membranes, fire stops) – seal solid surfaces with proprietary waterproof sealants – set out regular shaped structures on level ground – set out using the 3:4:5 method – construct corner profiles – transfer levels (spirit level, straight-edge, water levels, optical levels, metric E staffs) – use setting out equipment – use hand tools, portable power tools and ancillary equipment – work at height – use access equipment
	7.6	Describe the needs of other occupations and how to communicate effectively within a team when preparing backgrounds and setting out basic external stonemasonry.
	7.7	Describe how to maintain the tools and setting out equipment used when preparing backgrounds and setting out basic external stonemasonry.

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Preparing backgrounds and setting out basic external stonemasonry in the workplace
<b>Additional information about this unit</b>	
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	150

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Erecting basic external stonemasonry in the workplace	
<b>Unit Number:</b>	F/616/9187	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when erecting basic external stonemasonry.	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"> <li>– drawings, specifications, schedules, method statements, risk assessments, technical information and appropriate regulations and current regulations governing buildings.</li> </ul>
2 Know how to comply with relevant legislation and official guidance when erecting basic external stonemasonry.	2.1	Describe their responsibilities regarding potential accidents, health hazards and the environment, whilst working: <ul style="list-style-type: none"> <li>– in the workplace, below ground level, at height, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.</li> </ul>
	2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
	2.3	Explain what the accident reporting procedures are and who is responsible for making reports.

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Erecting basic external stonemasonry in the workplace	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
3 Maintain safe and healthy working practices when erecting basic external stonemasonry.	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 erecting basic external stonemasonry.
	3.2	Demonstrate compliance with given information and relevant legislation when erecting basic external stonemasonry in relation to the following: <ul style="list-style-type: none"> <li>– safe use of access equipment</li> <li>– safe use, storage and handling of materials, tools and equipment</li> <li>– specific risks to health.</li> </ul>
	3.3	Explain why and when health and safety control equipment, identified by the principles of prevention, should be used, relating to erecting basic external stonemasonry 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"> <li>– collective protective measures</li> <li>– local exhaust ventilation (LEV)</li> <li>– personal protective equipment (PPE)</li> <li>– respiratory protective equipment (RPE).</li> </ul>
	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, occupational injuries and other task-related activities.
4 Select the required quantity and quality of resources for the methods of work to erect basic external stonemasonry.	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"> <li>– prepared standard stone components</li> <li>– fine aggregates, cement, lime, additives, damp barriers, cavity trays, fire stops</li> <li>– frames, lintels, insulation</li> <li>– non-ferrous fixings, shims and spacers, load bearing support and restraint systems</li> <li>– mechanical lifting systems and accessories</li> <li>– hand tools, portable power tools and ancillary equipment.</li> </ul>
	4.3	Describe how the resources should be used correctly and how problems associated with the resources are reported.



## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Erecting basic external stonemasonry in the workplace	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
4 continued	4.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
	4.5	Describe any potential hazards associated with the resources and methods of work.
	4.6	Describe how to calculate quantity, length, area and wastage associated with the method/procedure to erect basic external stonemasonry.
5 Minimise the risk of damage to the work and surrounding area when erecting basic external stonemasonry.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
	5.2	Minimise damage and maintain a clean work space.
	5.3	Dispose of waste in accordance with current legislation.
	5.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
	5.5	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturer's information, statutory regulations and official guidance.
6 Complete the work within the allocated time when erecting basic external stonemasonry.	6.1	Demonstrate completion of the work within the 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"> <li>– types of progress charts, timetables and estimated times</li> <li>– organisational procedures for reporting circumstances which will affect the work programme.</li> </ul>

## Units – Learning Outcomes and Assessment Criteria

Title:	Erecting basic external stonemasonry in the workplace	
Learning outcomes	Assessment criteria	
<i>The learner will be able to:</i>	<i>The learner can:</i>	
7 Comply with the given contract information to erect basic external stonemasonry to the required specification.	7.1	Demonstrate the following work skills when erecting basic external stonemasonry: <ul style="list-style-type: none"> <li>– measuring, marking out, cutting, drilling, lifting, positioning, securing and finishing.</li> </ul>
	7.2	Use and maintain hand tools, portable power tools and ancillary equipment.
	7.3	Install mechanical fixings, temporary or permanent shims and spacers, temporary or permanent load bearing support and restraint systems, DPM, cavity trays, insulation and fire stops.
	7.3	Erect basic external stonemasonry using prepared standard stonemasonry components to given working instructions with: <ul style="list-style-type: none"> <li>– straight walling, returns and rakes</li> <li>– openings</li> <li>– quoin, jamb and cill stones</li> <li>– copings</li> <li>– joint finishes and/or expansion and compression joints.</li> </ul>
	7.4	Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: <ul style="list-style-type: none"> <li>– use prepared basic stone components</li> <li>– cut for fixing cramps and dowels</li> <li>– lift and position prepared stones</li> <li>– erect straight walling returns and rakes</li> <li>– form openings</li> <li>– use prepared quoin, jamb, cill stones and coping</li> <li>– mix mortars to specification</li> <li>– form joint finishes</li> <li>– form expansion and compression joints</li> <li>– cut and drill stone components to receive mechanical fixings</li> <li>– drill background surfaces to receive fixings</li> <li>– lift and position stone components using manual and mechanical lifting systems</li> <li>– install mechanical fixings, temporary/permanent shims and spacers, temporary/permanent load bearing support and restraint systems, DPM, cavity trays, insulation and fire stops</li> <li>– fix stone components with load-bearing support and restraint systems</li> <li>– align cladding using shims and spacers</li> <li>– remove temporary shims and spacers</li> <li>– bed and joint or leave for others to seal</li> <li>– use hand tools, portable power tools and ancillary equipment</li> <li>– work at height</li> <li>– use access equipment.</li> </ul>

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Erecting basic external stonemasonry in the workplace	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
7 continued	7.5	Describe the needs of other occupations and how to communicate effectively within a team when erecting basic external stonemasonry.
	7.6	Describe how to maintain the tools and equipment used when erecting basic external stonemasonry.

<b>Title:</b>	Erecting basic external stonemasonry in the workplace	
<b>Additional information about this unit</b>		
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	140	

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Preparing background surfaces for internal stonefixing in the workplace	
<b>Unit Number:</b>	J/616/9188	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when preparing background surfaces for internal stonefixing.	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"> <li>– drawings, specifications, schedules, method statements, risk assessments, manufacturers' information and current regulations governing buildings.</li> </ul>
2 Know how to comply with relevant legislation and official guidance when preparing background surfaces for internal stonefixing.	2.1	Describe their responsibilities regarding potential accidents, health hazards and the environment, whilst working: <ul style="list-style-type: none"> <li>– in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.</li> </ul>
	2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
	2.3	Explain what the accident reporting procedures are and who is responsible for making reports.

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Preparing background surface for internal stonefixing in the workplace	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
3 Maintain safe and healthy working practices when preparing background surfaces for internal stonefixing.	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 preparing background surfaces for internal stonefixing.
	3.2	Demonstrate compliance with given information and relevant legislation when preparing background surfaces for internal stonefixing in relation to the following: <ul style="list-style-type: none"> <li>– safe use of access equipment</li> <li>– safe use, storage and handling of materials, tools and equipment</li> <li>– specific risks to health.</li> </ul>
	3.3	Explain why and when health and safety control equipment, identified by the principles of prevention should be used, relating to preparing background surfaces for internal stonefixing, 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"> <li>– collective protective measures</li> <li>– local exhaust ventilation (LEV)</li> <li>– personal protective equipment (PPE)</li> <li>– respiratory protective equipment (RPE).</li> </ul>
	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 and other task-related activities.

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Preparing background surfaces for internal stonefixing in the workplace	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
4 Select the required quantity and quality of resources for the methods of work to prepare background surfaces for internal stonefixing.	4.1	Select resources associated with own work in relation to materials, components, fixings, 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"> <li>– sand, cement, screeds, trims, bonding/priming agents, fixings, waterproof/sealing agents, adhesives, grouts and accessories</li> <li>– levels (water, optical, laser), spirit level, straight-edge, tape measures, pegs, profiles, squares</li> <li>– hand tools, portable power tools and ancillary equipment</li> </ul>
	4.3	Describe how the resources should be used correctly and how problems associated with the resources are reported.
	4.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
	4.5	Describe any potential hazards associated with the resources and methods of work.
	4.6	Describe how to calculate quantity, length, area and wastage associated with the method/procedure to prepare background surfaces for internal stonefixing.
5 Minimise the risk of damage to the work and surrounding area when preparing background surfaces for internal stonefixing.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
	5.2	Maintain a clean work space.
	5.3	Dispose of waste in accordance with current legislation.
	5.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
	5.5	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance.

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Preparing background surface for internal stonefixing in the workplace	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
6 Complete the work within the allocated time when preparing background surfaces for internal stonefixing.	6.1	Demonstrate completion of the work within the 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"> <li>– types of progress charts, timetables and estimated times</li> <li>– organisational procedures for reporting circumstances which will affect the work programme.</li> </ul>
7 Comply with the given contract information to prepare background surfaces for internal stonefixing to the required specification.	7.1	Demonstrate the following work skills when preparing background surfaces for internal stonefixing. : <ul style="list-style-type: none"> <li>– measuring, setting out, applying, positioning, securing and finishing</li> </ul>
	7.2	Use and maintain hand tools, portable power tools and ancillary equipment.
	7.3	Check and prepare the following new and/or existing horizontal and vertical internal background surfaces to receive stonework to given working instructions <ul style="list-style-type: none"> <li>– brick, block, tile, concrete, timber and manufactured board, screed, sand and cement</li> </ul>
	7.4	Apply treatment appropriate to the background surface
	7.5	Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: <ul style="list-style-type: none"> <li>– understand the principles of working with different types of stone</li> <li>– identify the tools for the different types of stone</li> <li>– check and prepare new and existing, brick, block, tile, concrete, timber and manufactured board, screed, sand and cement background surfaces</li> <li>– mix and apply cement and sand renders, adhesives and grouts, substrates and screeds (including self-levelling)</li> <li>– prepare and apply accelerated fast cure/fast drying substrates</li> <li>– apply pre-sealants, water and solvent based final sealants and protection</li> <li>– repair and restore by stripping, cutting out, removing, repairing, replacing and making good</li> <li>– understand the principles of waterproof decoupling and acoustic membranes</li> <li>– understand the implications and requirements of wet and dry sub-surface heating systems</li> <li>– use mechanical and non-mechanical fixings</li> <li>– install thermal expansion joints</li> <li>– install movement joints and expansion joints</li> <li>– ensure minimum wastage</li> </ul>

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Preparing background surface for internal stonefixing in the workplace	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
7 continued	7.5 contd	<ul style="list-style-type: none"> <li>– control dust</li> <li>– recognise and determine when specialist skills and knowledge are required and report accordingly</li> <li>– use hand tools, portable power tools and ancillary equipment</li> <li>– work at height</li> <li>– use access equipment.</li> </ul>
	7.6	Describe the needs of other occupations and how to communicate effectively within a team when preparing background surfaces for internal stonefixing.
	7.7	Describe how to maintain the tools and equipment used when preparing background surfaces for internal stonefixing.

<b>Title:</b>	Preparing background surface for internal stonefixing in the workplace	
<b>Additional information about this unit</b>		
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	115	



## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Installing internal stonefixing in the workplace	
<b>Unit Number:</b>	L/616/9189	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when installing internal stonefixing.	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"> <li>– drawings, specifications, schedules, method statement, risk assessments, manufacturers' information and current regulations governing buildings.</li> </ul>
2 Know how to comply with relevant legislation and official guidance when installing internal stonefixing.	2.1	Describe their responsibilities regarding potential accidents, health hazards and the environment, whilst working: <ul style="list-style-type: none"> <li>– in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.</li> </ul>
	2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
	2.3	Explain what the accident reporting procedures are and who is responsible for making reports.

## Units – Learning Outcomes and Assessment Criteria

Title:	Installing internal stonefixing in the workplace	
Learning outcomes	Assessment criteria	
<i>The learner will be able to:</i>	<i>The learner can:</i>	
3 Maintain safe and healthy working practices when installing internal stonefixing.	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 installing internal stonefixing.
	3.2	Demonstrate compliance with given information and relevant legislation when installing internal stonefixing in relation to the following: <ul style="list-style-type: none"> <li>– safe use of access equipment</li> <li>– safe use, storage and handling of materials, tools and equipment</li> <li>– specific risks to health.</li> </ul>
	3.3	Explain why and when health and safety control equipment, identified by the principles of prevention should be used, relating to installing internal stonefixing, 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"> <li>– collective protective measures</li> <li>– local exhaust ventilation (LEV)</li> <li>– personal protective equipment (PPE)</li> <li>– respiratory protective equipment (RPE).</li> </ul>
	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 and other task-related activities.

## Units – Learning Outcomes and Assessment Criteria

Title:	Installing internal stonefixing in the workplace	
Learning outcomes	Assessment criteria	
<i>The learner will be able to:</i>	<i>The learner can:</i>	
4 Select the required quantity and quality of resources for the methods of work to install internal stonefixing.	4.1	Select resources associated with own work in relation to materials, components, fixings, 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"> <li>– prepared standard stone components</li> <li>– fine aggregates, cement, adhesives and additives</li> <li>– cementitious grout, epoxy grout</li> <li>– slip membranes, waterproof membranes, movement joints, expansion joints, trims</li> <li>– non-ferrous fixings</li> <li>– hand tools, portable power tools and associated equipment</li> </ul>
	4.3	Describe how the resources should be used correctly and how problems associated with the resources are reported.
	4.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
	4.5	Describe any potential hazards associated with the resources and methods of work.
	4.6	Describe how to calculate quantity, length, area and wastage associated with the method/procedure to install internal stonefixing.
5 Minimise the risk of damage to the work and surrounding area when installing internal stonefixing.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
	5.2	Maintain a clean work space.
	5.3	Dispose of waste in accordance with current legislation.
	5.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
	5.5	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance.

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Installing internal stonefixing in the workplace	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
6 Complete the work within the allocated time when installing internal stonefixing.	6.1	Demonstrate completion of the work within the 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"> <li>– types of progress charts, timetables and estimated times</li> <li>– organisational procedures for reporting circumstances which will affect the work programme.</li> </ul>
7 Comply with the given contract information to install internal stonefixing to the required specification.	7.1	Demonstrate the following work skills when installing internal stonefixing : <ul style="list-style-type: none"> <li>– measuring, setting out, cutting, removing, applying, positioning, grouting, sealing, cleaning, securing and finishing.</li> </ul>
	7.2	Use and maintain hand tools, portable power tools and ancillary equipment.
	7.3	Fix internal stonework to the following vertical, horizontal and inclined surfaces to given working instructions <ul style="list-style-type: none"> <li>– wall and floor surfaces</li> <li>– internal treads and risers</li> <li>– work surfaces</li> <li>– reveals, cills and soffits (doors and/or windows) and/or floor drainage and outlets</li> </ul>
	7.4	Fix appropriate accessories (wire restraint fixings, channels) to wall slabs.
	7.4	Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: <ul style="list-style-type: none"> <li>– prepare backgrounds</li> <li>– fix and finish internal stonemasonry to regular and irregular vertical, horizontal and inclined walls, floors, internal treads and risers, and work surfaces (new and repair work)</li> <li>– form reveals, cills and soffits (door and window openings)</li> <li>– form internal and external angles</li> <li>– edge polish granite, limestone, marble and slate</li> <li>– fix channels</li> <li>– form floor drainage and outlets</li> <li>– fix appropriate accessories</li> <li>– recognise and determine when specialist skills and knowledge are required and report accordingly</li> <li>– use hand tools, portable power tools and equipment</li> <li>– work at height</li> <li>– use access equipment</li> </ul>

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Installing internal stonefixing in the workplace	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
7 continued	7.5	Describe the needs of other occupations and how to communicate effectively within a team when installing internal stonefixing.
	7.6	Describe how to maintain the tools and equipment used when installing internal stonefixing

<b>Title:</b>	Installing internal stonefixing in the workplace	
<b>Additional information about this unit</b>		
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	125	

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Fixing and securing memorial masonry in the workplace	
<b>Unit Number:</b>	F/616/9190	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when fixing and securing memorial masonry.	1.1	Interpret and extract relevant information from drawings, specifications, schedules, method statements, risk assessments, codes of practice, manufacturers' information and customer requirements.
	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"> <li>– drawings, specifications, schedules, method statements, risk assessments, manufacturers' and technical information, official guidance, codes of practice, customer requirements and current regulations associated with fixing and securing memorial masonry.</li> </ul>
2 Know how to comply with relevant legislation and official guidance when fixing and securing memorial masonry.	2.1	Describe their responsibilities regarding potential accidents, incidents, health hazards and the environment, whilst working: <ul style="list-style-type: none"> <li>– in the workplace, below ground level, at height, with tools and equipment, with materials and substances, with movement/storage of materials by manual handling and mechanical lifting.</li> </ul>
	2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company, public and operative.
	2.3	Explain what the accident reporting procedures are and who is responsible for making reports.

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Fixing and securing memorial masonry in the workplace	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
3 Maintain safe and healthy working practices when fixing and securing memorial masonry.	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 fixing and securing memorial masonry.
	3.2	Demonstrate compliance with given information and relevant legislation when installing fixing and securing memorial masonry, in relation to the following: <ul style="list-style-type: none"> <li>– safe use, storage and handling of materials, tools and equipment</li> <li>– specific risks to health.</li> </ul>
	3.3	Explain why and when health and safety control equipment, identified by the principles of prevention, should be used, relating to fixing and securing memorial masonry, 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"> <li>– collective protective measures</li> <li>– personal protective equipment (PPE)</li> <li>– respiratory protective equipment (RPE)</li> <li>– local exhaust ventilation (LEV).</li> </ul>
	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 and other task-related activities.
4 Select the required quantity and quality of resources for the methods of work to fix and secure memorial masonry.	4.1	Select resources associated with own work in relation to materials, components, fixings, tools and equipment.

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Fixing and securing memorial masonry in the workplace	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
4 Continued	4.2	Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: <ul style="list-style-type: none"> <li>– memorial stones</li> <li>– packing and softening materials</li> <li>– pre-cast concrete units</li> <li>– lime based mortar</li> <li>– aggregates, sand and cement</li> <li>– ground anchors, fixings, fittings</li> <li>– hand tools, power tools, mechanical lifting equipment, ancillary and safety equipment.</li> </ul>
	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, and wastage associated with the method/procedure to fix and secure memorial masonry.
5 Minimise the risk of damage to the work and surrounding area when fixing and securing memorial masonry.	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.



## Units – Learning Outcomes and Assessment Criteria

Title:	Fixing and securing memorial masonry in the workplace
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>
5 Continued	5.6 Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational and quality procedures, manufacturer’s information, statutory regulations and official guidance.
6 Complete the work within the allocated time when fixing and securing memorial masonry.	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"> <li>– types of programmes of work and estimated times</li> <li>– organisational procedures for reporting circumstances which will affect the work programme.</li> </ul>
7 Comply with the given contract information to fix and secure memorial masonry to the required specification.	7.1 Demonstrate the following work skills when fixing and securing memorial masonry: <ul style="list-style-type: none"> <li>– measuring, marking out, excavating, laying, pouring, drilling, fitting, finishing, positioning, securing, sealing and cleaning</li> </ul>
	7.2 Use and maintain hand tools, power tools, ancillary and safety equipment.
	7.3 Transport memorial stones safely and securely to given working instructions.
	7.4 Arrange the lifting of memorial stones to given working instructions.
	7.5 Excavate the area and lay the foundation to given working instructions.
	7.6 Install memorial stones to given working instructions.
	7.7 Reinststate ground conditions to given working instructions.

## Units – Learning Outcomes and Assessment Criteria

Title:	Fixing and securing memorial masonry in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
7 Continued	7.7	Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: <ul style="list-style-type: none"> <li>– identify and follow the organisational quality requirements</li> <li>– safely and securely transport memorial stone to avoid damage</li> <li>– check that the ground conditions are level and suitable</li> <li>– excavate the ground area and lay precast and poured concrete foundations</li> <li>– lift and position memorial stones</li> <li>– install memorial stones</li> <li>– install full grave surrounds</li> <li>– understand the protocols relating to the bereaved and the public</li> <li>– determine when specialist skills and knowledge are required and report accordingly</li> <li>– understand specific requirements for sites of special interest, consecrated and non-consecrated ground, historical and environmental significance</li> <li>– work with, around and in close proximity to plant and machinery</li> <li>– use hand tools, power tools, ancillary and safety equipment.</li> <li>– work at height</li> <li>– use access equipment</li> </ul>
	7.8	Describe the needs of other occupations and how to communicate effectively within a team when fixing and securing memorial masonry.
	7.9	Describe how to maintain the tools and equipment used when fixing and securing memorial masonry.

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Fixing and securing memorial masonry in the workplace
<b>Additional information about this unit</b>	
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

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Providing details to memorial stones in the workplace	
<b>Unit Number:</b>	J/616/9191	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when providing details to memorial stones.	1.1	Interpret and extract relevant information from drawings, specifications, schedules, method statements, codes of practice, customer requirements, 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"> <li>– drawings, specifications, schedules, method statements, risk assessments, manufacturers' and technical information, official guidance, codes of practice, customer requirements and current regulations associated with providing details to memorial stones.</li> </ul>
2 Know how to comply with relevant legislation and official guidance when providing details to memorial stones.	2.1	Describe their responsibilities regarding potential accidents, incidents, health hazards and the environment, whilst working: <ul style="list-style-type: none"> <li>– in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement/storage of materials by manual handling and mechanical lifting.</li> </ul>
	2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company, public and operative.
	2.3	Explain what the accident reporting procedures are and who is responsible for making reports.

## Units – Learning Outcomes and Assessment Criteria

Title:	Providing details to memorial stones in the workplace	
Learning outcomes	Assessment criteria	
<i>The learner will be able to:</i>	<i>The learner can:</i>	
3 Maintain safe and healthy working practices when providing details to memorial stones.	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 providing details to memorial stones.
	3.2	Demonstrate compliance with given information and relevant legislation when providing details to memorial stones, in relation to the following: <ul style="list-style-type: none"> <li>– safe use of access equipment</li> <li>– safe use, storage and handling of materials, tools and equipment</li> <li>– specific risks to health.</li> </ul>
	3.3	Explain why and when health and safety control equipment, identified by the principles of prevention should be used, relating to providing details to memorial stones, 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"> <li>– collective protective measures</li> <li>– personal protective equipment (PPE)</li> <li>– respiratory protective equipment (RPE)</li> <li>– local exhaust ventilation (LEV).</li> </ul>
	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 provide details to memorial stones.	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"> <li>– memorial stone</li> <li>– templates</li> <li>– vinyl sheeting, rubber</li> <li>– paints, varnish, gold size</li> <li>– gold leaf</li> <li>– fittings and fixings</li> <li>– hand tools, power tools, ancillary tooling equipment, safety equipment and mechanical lifting equipment.</li> </ul>

## Units – Learning Outcomes and Assessment Criteria

Title:	Providing details to memorial stones in the workplace	
Learning outcomes	Assessment criteria	
<i>The learner will be able to:</i>	<i>The learner can:</i>	
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, volume and wastage associated with the method/procedure to provide details to memorial stones.
5 Minimise the risk of damage to the work and surrounding area when providing details to memorial stones.	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 requirements.
	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.

## Units – Learning Outcomes and Assessment Criteria

Title:	Providing details to memorial stones in the workplace	
Learning outcomes	Assessment criteria	
<i>The learner will be able to:</i>	<i>The learner can:</i>	
6 Complete the work within the allocated time when providing details to memorial stones.	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"> <li>– types of programmes of work and estimated times</li> <li>– organisational procedures for reporting circumstances which will affect the work programme.</li> </ul>
7 Comply with the given contract information to provide details to memorial stones to the required specification.	7.1	Demonstrate the following work skills when providing details to memorial stones: <ul style="list-style-type: none"> <li>– measuring, marking out, positioning, inscribing, ornamenting and finishing.</li> </ul>
	7.2	Use and maintain hand tools, ancillary tooling equipment, power tools and safety equipment.
	7.3	Produce working templates for sand blasting to given working instructions.
	7.4	Arrange the lifting of memorial stones to given working instructions.
	7.5	Produce details on memorial stones to given working instructions with: <ul style="list-style-type: none"> <li>– sand blast lettering</li> <li>– sand blast ornamentation</li> <li>– painting to letters and ornamentation</li> <li>– gilding to letters and ornamentation</li> <li>– hand polished (honed) surfaces.</li> </ul>

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Providing details to memorial stones in the workplace	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
7 Continued	7.6	Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: <ul style="list-style-type: none"> <li>– identify and follow the organisational quality requirements</li> <li>– identify and understand the properties of the different types of stone (limestone, sandstone, granite, marble, slate)</li> <li>– produce working templates for sand blasting</li> <li>– sand blast lettering and ornamental relief work</li> <li>– paint to lettering and relief work</li> <li>– gild to lettering and relief work</li> <li>– hand polish (honed) surfaces</li> <li>– operate sand blast equipment</li> <li>– generate designs/lettering using computer equipment</li> <li>– understand the principles of hand cut ornamentation</li> <li>– lift and position memorial stones</li> <li>– understand the protocols relating to the bereaved and the public</li> <li>– determine when specialist skills and knowledge are required and report accordingly</li> <li>– understand specific requirements for structures of special interest, consecrated and non-consecrated ground and historical and environmental significance</li> <li>– work with, around and in close proximity to plant and machinery</li> <li>– use hand tools, ancillary tooling equipment, power tools, ancillary and safety equipment.</li> <li>– work at height</li> <li>– use access equipment.</li> </ul>
	7.7	Describe the needs of other occupations and how to communicate effectively within a team when providing details to memorial stones.
	7.8	Describe how to maintain the tools and equipment used when providing details to memorial stones.



## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Providing details to memorial stones in the workplace
<b>Additional information about this unit</b>	
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	160

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Producing sawn stone products in the workplace	
<b>Unit Number:</b>	L/616/9192	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when producing sawn stone products.	1.1	Interpret and extract relevant information from drawings, specifications, schedules, cutting lists, job cards, 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: – drawings, specifications, schedules, method statements, risk assessments, job cards, cutting lists, manufacturers' and technical information, official guidance and current regulations associated with producing sawn stone products.
2 Know how to comply with relevant legislation and official guidance when producing sawn stone products.	2.1	Describe their responsibilities regarding potential accidents, incidents, health hazards and the environment whilst working: – in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, 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.

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Producing sawn stone products in the workplace	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
3 Maintain safe and healthy working practices when producing sawn stone products.	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 sawn stone products.
	3.2	Demonstrate compliance with given information and relevant legislation when producing sawn stone products, in relation to the following: <ul style="list-style-type: none"> <li>– safe use, storage and handling of materials, tools and equipment</li> <li>– safe use of access equipment</li> <li>– specific risks to health.</li> </ul>
	3.3	Explain why and when health and safety control equipment, identified by the principles of prevention should be used, relating to producing sawn stone products 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"> <li>– collective protective measures</li> <li>– personal protective equipment (PPE)</li> <li>– respiratory protective equipment (RPE)</li> <li>– local exhaust ventilation (LEV).</li> </ul>
	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 sawn stone products.	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"> <li>– sawing machinery</li> <li>– blades, wires</li> <li>– stone materials</li> <li>– lubricants</li> <li>– lifting equipment</li> <li>– hand tools power tools, ancillary and-safety equipment.</li> </ul>
	4.3	Describe how to confirm that the resources and materials conform to the specification.

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Producing sawn stone products in the workplace	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
4 Continued	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 and wastage associated with the method/procedure to produce sawn stone products.
5 Minimise the risk of damage to the work and surrounding area when producing sawn stone products.	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 sawn stone products.	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"> <li>– types of programmes of work and estimated times</li> <li>– organisational procedures for reporting circumstances which will affect the work programme.</li> </ul>

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Producing sawn stone products in the workplace	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
7 Comply with the given contract information to produce sawn stone products to the required specification.	7.1	Demonstrate the following work skills when producing sawn stone products: – lifting, moving, examining, measuring, marking out, positioning, securing and cutting.
	7.2	Use and maintain hand tools, power tools, ancillary and safety equipment.
	7.3	Arrange the lifting of sawn slab and six-sided units to given working instructions.
	7.4	Check stone for faults to given working instructions.
	7.5	Prepare, set up, operate and maintain primary and secondary saws to produce sawn slab and six-sided units, minimising waste to given working instructions
	7.6	Check sawn stone for square and true and to given tolerances
	7.7	Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: – identify and follow the organisational quality requirements – programme the sawing machinery – prepare and set up the sawing machinery – identify the compatibility of materials with machinery – operate the sawing machinery – check and maintain the sawing machinery – check stones for faults – lift stones using manual and mechanical methods – position stones in required locations – secure stones prior to, and during, the sawing process – operate and maintain primary and secondary saws to produce sawn slab and six-sided units, minimising waste – identify how damage to the materials and machinery can be avoided – identify the relevant dimensional control aids and their uses – identify and report defects and discrepancies in materials and machinery – set up and change tooling

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Producing sawn stone products in the workplace	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
7 Continued	7.7 Contd	<ul style="list-style-type: none"> <li>– work with, around and in close proximity to plant and machinery</li> <li>– use hand tools, power tools, ancillary and safety equipment</li> <li>– work at height</li> <li>– use access equipment.</li> </ul>
	7.8	Describe the needs of other occupations and how to communicate effectively within a team when producing sawn stone products.
	7.9	Describe how to maintain the tools and equipment used when producing sawn stone products.

<b>Title:</b>	Producing sawn stone products in the workplace	
<b>Additional information about this unit</b>		
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	90	

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Finishing stone products in the workplace	
<b>Unit Number:</b>	R/616/9193	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when finishing stone products.	1.1	Interpret and extract relevant information from drawings, specifications, schedules, method statements, risk assessments, cutting lists, job cards 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"> <li>– drawings, specifications, schedules, method statements, risk assessments, cutting lists, job cards, manufacturers' and technical information, official guidance and current regulations associated with finishing stone products.</li> </ul>
2 Know how to comply with relevant legislation and official guidance when finishing stone products.	2.1	Describe their responsibilities regarding potential accidents, incidents, health hazards and the environment whilst working: <ul style="list-style-type: none"> <li>– in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement/storage of materials by manual handling and mechanical lifting.</li> </ul>
	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.

## Units – Learning Outcomes and Assessment Criteria

Title:	Finishing stone products in the workplace	
Learning outcomes	Assessment criteria	
<i>The learner will be able to:</i>	<i>The learner can:</i>	
3 Maintain safe and healthy working practices when finishing stone products.	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 finishing stone products.
	3.2	Demonstrate compliance with given information and relevant legislation when finishing stone products, in relation to the following: <ul style="list-style-type: none"> <li>– safe use, storage and handling of materials, tools and equipment</li> <li>– specific risks to health.</li> </ul>
	3.3	Explain why and when health and safety control equipment, identified by the principles of prevention, should be used, relating to finishing stone products 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"> <li>– collective protective measures</li> <li>– personal protective equipment (PPE)</li> <li>– respiratory protective equipment (RPE)</li> <li>– local exhaust ventilation (LEV).</li> </ul>
	3.4	Describe how the relevant health and safety control equipment should be used in accordance with the given 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 finish stone products.	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"> <li>– cutting, profiling, rubbing/honing and polishing hand tools and machinery</li> <li>– abrasives</li> <li>– acetylene gas</li> <li>– stone materials</li> <li>– polish/lubricants</li> <li>– bonding</li> <li>– hand tools power tools, ancillary, and safety equipment.</li> </ul>



## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Finishing stone products in the workplace	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
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 and wastage associated with the method/procedure to finish stone products.
5 Minimise the risk of damage to the work and surrounding area when finishing stone products.	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 finishing stone products.	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"> <li>– types of programmes of work and estimated times</li> <li>– organisational procedures for reporting circumstances which will affect the work programme.</li> </ul>

## Units – Learning Outcomes and Assessment Criteria

Title:	Finishing stone products in the workplace	
Learning outcomes	Assessment criteria	
<i>The learner will be able to:</i>	<i>The learner can:</i>	
7 Comply with the given contract information to finish stone products to the required specification.	7.1	Demonstrate the following work skills when finishing stone products: <ul style="list-style-type: none"> <li>– examining, measuring, marking out, positioning, securing and cutting.</li> </ul>
	7.2	Use and maintain hand tools, power tools, ancillary and safety equipment.
	7.3	Arrange the lifting of finished stone products to given working instructions
	7.4	Prepare, set up, operate and maintain hand tools and machinery to finish stone products to given working instructions with the following finishes: <ul style="list-style-type: none"> <li>– profiled</li> <li>– tooled/textured</li> <li>– honed/polished/rubbed.</li> </ul>
	7.5	Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: <ul style="list-style-type: none"> <li>– identify and follow the organisational quality requirements</li> <li>– prepare and set up cutting, profiling, rubbing/honing and polishing hand tools and machinery</li> <li>– identify the compatibility of materials with machinery</li> <li>– safely use equipment for flame texturing</li> <li>– operate cutting, profiling, rubbing/honing and polishing machinery</li> <li>– lift stones using manual and mechanical methods</li> <li>– position stones in required locations</li> <li>– secure stone prior to, and during, the finishing process</li> <li>– identify how damage to the materials and machinery can be avoided</li> <li>– identify dimensional control aids and their uses</li> <li>– identify and report defects and discrepancies in materials and machinery</li> <li>– set up and change polish/abrasives</li> <li>– identify types, suitability and construction of polish/abrasives</li> <li>– identify finishing process faults (pitting, erosion, inconsistencies, perforation and colour changes)</li> </ul>

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Finishing stone products in the workplace	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
7 continued	7.5 contd	<ul style="list-style-type: none"> <li>– identify the scope and limitations of the machinery.</li> <li>– select the appropriate machine for the work to be carried out</li> <li>– determine when specialist skills and knowledge are required and report accordingly</li> <li>– work with, around and in close proximity to plant and machinery</li> <li>– use hand tools, power tools, ancillary and safety equipment.</li> </ul>
	7.6	Describe the needs of other occupations and how to communicate effectively within a team when finishing stone products.
	7.7	Describe how to maintain the tools and equipment used when finishing stone products.

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Finishing stone products in the workplace
<b>Additional information about this unit</b>	
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	90

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Preparing background surfaces and fixings to receive stone cladding in the workplace	
<b>Unit Number:</b>	D/616/9195	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when preparing background surfaces and fixings to receive stone cladding.	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"> <li>– drawings, specifications, schedules, method statements, risk assessments, manufacturers' and technical information, official guidance, and current regulations associated with preparing background surfaces and fixings to receive stone cladding.</li> </ul>
2 Know how to comply with relevant legislation and official guidance when preparing background surfaces and fixings to receive stone cladding.	2.1	Describe their responsibilities regarding potential accidents, incidents, health hazards and the environment, whilst working: <ul style="list-style-type: none"> <li>– 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.</li> </ul>
	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.

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Preparing background surfaces and fixings to receive stone cladding in the workplace	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
3 Maintain safe and healthy working practices when preparing background surfaces and fixings to receive stone cladding.	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 preparing background surfaces and fixings to receive stone cladding.
	3.2	Demonstrate compliance with given information and relevant legislation when preparing background surfaces and fixings to receive stone cladding, in relation to the following: <ul style="list-style-type: none"> <li>– safe use of access equipment</li> <li>– safe use, storage and handling of materials, tools and equipment</li> <li>– specific risks to health.</li> </ul>
	3.3	Explain why and when health and safety control equipment, identified by the principles of prevention should be used, relating to preparing background surfaces and fixings to receive stone cladding, 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"> <li>– collective protective measures</li> <li>– personal protective equipment (PPE)</li> <li>– respiratory protective equipment (RPE)</li> <li>– local exhaust ventilation (LEV).</li> </ul>
	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.

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Preparing background surfaces and fixings to receive stone cladding in the workplace	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
4 Select the required quantity and quality of resources for the methods of work to prepare background surfaces and fixings to receive stone cladding.	4.1	Select resources associated with own work in relation to materials, components, fixings, 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"> <li>– load bearing support and restraint systems</li> <li>– mechanical anchors</li> <li>– chemical anchors and studs</li> <li>– insulation board, membranes</li> <li>– fire stops, cavity trays</li> <li>– sealants</li> <li>– fittings and fixings</li> <li>– hand tools, power tools, ancillary and safety equipment.</li> </ul>
	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, volume and wastage associated with the method/procedure to prepare background surfaces and fixings to receive stone cladding.

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Preparing background surfaces and fixings to receive stone cladding in the workplace	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
5 Minimise the risk of damage to the work and surrounding area when preparing background surfaces and fixings to receive stone cladding.	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 preparing background surfaces and fixings to receive stone cladding.	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"> <li>– types of programmes of work and estimated times</li> <li>– organisational procedures for reporting circumstances which will affect the work programme.</li> </ul>
7 Comply with the given contract information to prepare background surfaces and fixings to receive stone cladding to the required specification.	7.1	Demonstrate the following work skills when preparing background surfaces and fixings to receive stone cladding: <ul style="list-style-type: none"> <li>– measuring, marking out, drilling, fitting, cutting, positioning, fixing, securing and sealing.</li> </ul>
	7.2	Use and maintain hand tools, power tools, ancillary and safety equipment.
	7.3	Prepare backgrounds to given working instructions with: <ul style="list-style-type: none"> <li>– load bearing support and restraint systems to solid structures</li> <li>– insulation (membranes, fire stops)</li> <li>– cavity trays</li> <li>– backgrounds with waterproof sealants.</li> </ul>



## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Preparing background surfaces and fixings to receive stone cladding in the workplace	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
7 Continued	7.4	Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: <ul style="list-style-type: none"> <li>– identify and follow the organisational quality requirements</li> <li>– set out location of support and restraint systems</li> <li>– drill and cut cladding to receive fixings</li> <li>– drill backgrounds to receive mechanical fixings</li> <li>– fix load bearing support and restraint systems</li> <li>– fix cavity trays</li> <li>– cut and fix insulation (membranes, fire stops)</li> <li>– seal solid surfaces with proprietary waterproof sealants</li> <li>– determine when specialist skills and knowledge are required and report accordingly</li> <li>– understand specific requirements for structures of special interest, traditional build (pre 1919) and historical significance</li> <li>– work with, around and in close proximity to plant and machinery</li> <li>– use hand tools, power tools, ancillary and safety equipment</li> <li>– work at height</li> <li>– use access equipment.</li> </ul>
	7.5	Describe the needs of other occupations and how to communicate effectively within a team when preparing background surfaces and fixings to receive stone cladding.
	7.6	Describe how to maintain the tools and equipment used when preparing background surfaces and fixings to receive stone cladding.

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Preparing background surfaces and fixings to receive stone cladding in the workplace
<b>Additional information about this unit</b>	
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	80

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Installing handset stone cladding to background structures in the workplace	
<b>Unit Number:</b>	K/616/9197	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when installing handset stone cladding to background structures.	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"> <li>– drawings, specifications, schedules, method statements, risk assessments, manufacturers' and technical information, official guidance and current regulations associated with installing handset stone cladding to background structures.</li> </ul>
2 Know how to comply with relevant legislation and official guidance when installing handset stone cladding to background structures.	2.1	Describe their responsibilities regarding potential accidents, incidents, health hazards and the environment, whilst working: <ul style="list-style-type: none"> <li>– 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.</li> </ul>
	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.

## Units – Learning Outcomes and Assessment Criteria

Title:	Installing handset stone cladding to background structures in the workplace	
Learning outcomes	Assessment criteria	
<i>The learner will be able to:</i>	<i>The learner can:</i>	
3 Maintain safe and healthy working practices when installing handset stone cladding to background structures.	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 installing handset stone cladding to background structures.
	3.2	Demonstrate compliance with given information and relevant legislation when installing handset stone cladding to background structures, in relation to the following: <ul style="list-style-type: none"> <li>– safe use of access equipment</li> <li>– safe use, storage and handling of materials, tools and equipment</li> <li>– specific risks to health.</li> </ul>
	3.3	Explain why and when health and safety control equipment, identified by the principles of prevention, should be used, relating to installing handset stone cladding to background structures, 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"> <li>– collective protective measures</li> <li>– personal protective equipment (PPE)</li> <li>– respiratory protective equipment (RPE)</li> <li>– local exhaust ventilation (LEV).</li> </ul>
	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 install stone handset cladding to background structures.	4.1	Select resources associated with own work in relation to materials, components, fixings and fittings, tools and equipment.

## Units – Learning Outcomes and Assessment Criteria

Title:	Installing handset stone cladding to background structures in the workplace	
Learning outcomes	Assessment criteria	
<i>The learner will be able to:</i>	<i>The learner can:</i>	
4 Continued	4.2	Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: <ul style="list-style-type: none"> <li>– stone cladding</li> <li>– mechanical fixings</li> <li>– shims and spacers</li> <li>– membranes</li> <li>– lime, cement, fine and coarse aggregates</li> <li>– fittings and fixings</li> <li>– hand tools, power tools, ancillary and safety equipment and lifting systems.</li> </ul>
	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, volume and wastage associated with the method/procedure to install handset stone cladding to background structures.
5 Minimise the risk of damage to the work and surrounding area when installing handset stone cladding to background structures.	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

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Installing handset stone cladding to background structures in the workplace	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
5 Continued	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 installing handset stone cladding to background structures.	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"> <li>– types of programmes of work and estimated times</li> <li>– organisational procedures for reporting circumstances which will affect the work programme.</li> </ul>
7 Comply with the given contract information to install handset stone cladding to background structures to the required specification	7.1	Demonstrate the following work skills when installing handset stone cladding to background structures: <ul style="list-style-type: none"> <li>– measuring, marking out, cutting, tooling, drilling, fitting, finishing, lifting, positioning, fixing and securing.</li> </ul>
	7.2	Use and maintain hand tools, power tools, ancillary and safety equipment.
	7.3	Arrange the lifting of stone cladding to given working instructions
	7.4	Prepare backgrounds, install and joint internal and external stone cladding to given working instructions to: <ul style="list-style-type: none"> <li>– mechanical fixings, load-bearing support and restraint systems, shims and spacers, damp-proof membranes, cavity trays, insulation and fire stops</li> <li>– remove temporary shims and spacers</li> <li>– form expansion and compression gaps.</li> </ul>

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Installing handset stone cladding to background structures in the workplace	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
7 Continued	7.5	Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: <ul style="list-style-type: none"> <li>– identify and follow the organisational quality requirements</li> <li>– cut and drill stone cladding to receive mechanical fixings</li> <li>– lift and position stone cladding using manual and mechanical lifting systems</li> <li>– install/remove temporary restraint systems</li> <li>– install permanent restraints fixings</li> <li>– drill background surface to receive fixings</li> <li>– fix cladding with load-bearing support and restraint systems</li> <li>– align cladding using shims and spacers</li> <li>– install membranes, cavity trays, insulation and fire stops</li> <li>– remove all temporary shims and spacers</li> <li>– form expansion and compression joints</li> <li>– mix mortar in line with specification</li> <li>– bed and joint or leave gaps for others to seal</li> <li>– determine when specialist skills and knowledge are required and report accordingly</li> <li>– understand specific requirements for structures of special interest, traditional build (pre 1919) and historical significance</li> <li>– work with, around and in close proximity to plant and machinery</li> <li>– use hand tools, power tools and equipment, ancillary and safety equipment</li> <li>– work at height</li> <li>– use access equipment.</li> </ul>
	7.6	Describe the needs of other occupations and how to effectively communicate within a team when installing handset stone cladding to background structures.
	7.7	Describe how to maintain the tools, and equipment used when installing handset stone cladding to background structures.

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Installing handset stone cladding to background structures in the workplace
<b>Additional information about this unit</b>	
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	90



## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Conserving or Restoring Stonemasonry, Brickwork or Earthen Structures in the Workplace	
<b>Unit Number:</b>	D/616/9200	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when conserving or restoring stonemasonry, brickwork or earthen structures.	1.1	Interpret and extract information from drawings, specifications, schedules, manufacturers' information and method statements.
	1.2	Comply with information and/or instructions derived from risk assessments and/or method statement.
	1.3	State 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"> <li>– drawings, specifications, method statements, schedules, manufacturers' information, archaeological watching brief, historical conservation plans and charters, legislation and regulations governing buildings.</li> </ul>
2 Know how to comply with relevant legislation and official guidance when conserving or restoring stonemasonry, brickwork or earthen structures.	2.1	Describe their responsibilities under current legislation and official guidance whilst working: <ul style="list-style-type: none"> <li>– in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.</li> </ul>
	2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
	2.3	State what the accident reporting procedures are and who is responsible for making reports.
3 Maintain safe working practices when conserving or restoring stonemasonry, brickwork or earthen structures.	3.1	Use personal protective equipment (PPE) and access equipment safely to carry out the activity in accordance with legislation and organisational requirements when conserving or restoring stonemasonry, brickwork or earthen structures.
	3.2	Explain why and when personal protective equipment (PPE) should be used, relating to conserving or restoring stonemasonry, brickwork or earthen structures, and the types, purpose and limitations of each type.
	3.3	State how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards.

## Units – Learning Outcomes and Assessment Criteria

Title:	Conserving or Restoring Stonemasonry, Brickwork or Earthen Structures in the Workplace	
Learning outcomes	Assessment criteria	
<i>The learner will be able to:</i>	<i>The learner can:</i>	
4 Select the required quantity and quality of resources for the methods of work to conserve or restore stonemasonry, brickwork or earthen structures.	4.1	Describe the characteristics, quality, uses, limitations and defects associated with the resources in relation to: <ul style="list-style-type: none"> <li>– timber, props, bricks, stone, aggregates, cements, lime, mortar (lime and cements), earth, damp-proof barriers (slate), insulation, fixings, aftercare equipment and associated ancillary items</li> <li>– hand and/or powered tools and equipment.</li> </ul>
	4.2	Select resources associated with own work in relation to materials, components, fixings, tools and equipment
	4.3	State how the resources should be used correctly, how problems associated with the resources are reported and how the organisational procedures are used.
	4.4	Outline potential hazards associated with the resources and method of work.
	4.5	Describe how to calculate quantity, length, area and wastage associated with the method/procedure to conserve or restore stonemasonry, brickwork or earthen structures
5 Minimise the risk of damage to the work and surrounding area when conserving or restoring stonemasonry, brickwork or earthen structures.	5.1	Protect the work and its surrounding area from damage.
	5.2	Minimise damage and maintain a clean work space.
	5.3	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
	5.4	Dispose of waste in accordance with legislation.
	5.5	State why the disposal of waste should be carried out in relation to the work.
6 Complete the work within the allocated time when conserving or restoring stonemasonry, brickwork or earthen structures.	6.1	Demonstrate completion of the work within the allocated time.
	6.2	State the purpose of the work programme and explain why deadlines should be kept in relation to: <ul style="list-style-type: none"> <li>– types of progress charts, timetables and estimated times</li> <li>– organisational procedures for reporting circumstances which will affect the work programme.</li> </ul>

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Conserving or Restoring Stonemasonry, Brickwork or Earthen Structures in the Workplace	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
7 Comply with the given contract information to conserve or restore stonemasonry, brickwork or earthen structures to the required specification.	7.1	Demonstrate the following work skills when conserving or restoring stonemasonry, brickwork or earthen structures: <ul style="list-style-type: none"> <li>– measuring, marking out, removing, raking out, renewing, shaping, shoring, propping, strutting, plumbing, levelling, fitting, finishing, positioning and securing.</li> </ul>
	7.2	Prepare, conserve, repair or refurbish existing stonemasonry, brickwork or earthen structures to given working instructions, to: <ul style="list-style-type: none"> <li>– replicate existing structures</li> <li>– stabilise existing structures</li> <li>– prepare mortars appropriately to the existing joint finishes</li> <li>– integrate surface finishes.</li> </ul>
	7.3	Describe how to apply safe work practices, follow procedures, report problems and establish the authority needed to rectify them, to: <ul style="list-style-type: none"> <li>– erect and dismantle temporary support to structures</li> <li>– replicate existing structures to agreed specification (honest repair)</li> <li>– stabilise structures</li> <li>– joint finish structures to agreed specification</li> <li>– prepare mortars to agreed specification</li> <li>– render surfaces</li> <li>– validate appropriate ways in which the work should be carried out</li> <li>– recognise sensitive areas</li> <li>– maintain heritage and archaeological integrity</li> <li>– maintain the principles of minimum intervention and reversible alterations</li> <li>– stop work at the point when conjecture begins and report findings</li> <li>– record work carried out (written, photographic or digital)</li> <li>– recognise and/or report endangered/protected flora and fauna</li> <li>– remove deteriorated and/or inappropriate materials</li> <li>– maintain existing structures</li> <li>– integrate existing and new constructional components or finishes</li> <li>– store salvageable materials and structural components</li> <li>– use hand tools, power tools and equipment</li> <li>– work at height</li> <li>– use access equipment.</li> </ul>

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Conserving or Restoring Stonemasonry, Brickwork or Earthen Structures in the Workplace	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
7 Continued.	7.4	Safely use and store materials, hand tools, portable power tools and ancillary equipment.
	7.5	State the needs of other occupations and how to communicate within a team when conserving or restoring stonemasonry, brickwork or earthen structures.
	7.6	Describe how to maintain the tools and equipment used when conserving or restoring stonemasonry, brickwork or earthen structures.

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Conserving or Restoring Stonemasonry, Brickwork or Earthen Structures in the Workplace
<b>Additional information about this unit</b>	
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> <p>This unit must be assessed against the endorsements detailed within the relevant NVQ Structure.</p> <p><u>ProQual Level 2 NVQ Diploma in Stonemasonry (Construction)</u></p> <p><b>One</b> of the following endorsements required:            Brickwork            Stone            Earth</p>
Sector Subject Areas	05.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	90

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Preparing and Mixing Lime Mortars in the Workplace	
<b>Unit Number:</b>	H/616/9201	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when preparing and mixing lime mortars.	1.1	Interpret and extract information from drawings, specifications, method statements, schedules and manufacturers' information.
	1.2	Comply with information and/or instructions derived from risk assessments and/or method statement.
	1.3	State 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"> <li>– drawings, specifications, method statements, schedules, manufacturers' information and regulations governing buildings.</li> </ul>
2 Know how to comply with relevant legislation and official guidance when preparing and mixing lime mortars.	2.1	Describe their responsibilities under current legislation and official guidance whilst working: <ul style="list-style-type: none"> <li>– in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.</li> </ul>
	2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
	2.3	State what the accident reporting procedures are and who is responsible for making reports.
3 Maintain safe working practices when preparing and mixing lime mortars.	3.1	Use personal protective equipment (PPE) and access equipment safely to carry out the activity in accordance with legislation and organisational requirements when preparing and mixing lime mortars.
	3.2	Explain why and when personal protective equipment (PPE) should be used, relating to preparing and mixing lime mortars, and the types, purpose and limitations of each type.
	3.3	State how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards.

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Preparing and Mixing Lime Mortars in the Workplace	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
4 Select the required quantity and quality of resources for the methods of work to prepare and mix lime mortars.	4.1	Describe the characteristics, quality, uses, limitations and defects associated with the resources in relation to: <ul style="list-style-type: none"> <li>– aggregates, non-hydraulic lime, hydraulic lime, putty limes, pozzolans, fibres, additives</li> <li>– ancillary items</li> <li>– hand and/or powered tools, plant, machinery and equipment.</li> </ul>
	4.2	Select resources associated with own work in relation to materials, components, fixings, tools and equipment
	4.3	State how the resources should be used correctly, how problems associated with the resources are reported and how the organisational procedures are used.
	4.4	Outline potential hazards associated with the resources and method of work.
	4.5	Describe how to calculate quantity, length, area and wastage associated with the method/procedure to prepare and mix lime mortars.
5 Minimise the risk of damage to the work and surrounding area when preparing and mixing lime mortars.	5.1	Protect the work and its surrounding area from damage.
	5.2	Minimise damage and maintain a clean work space.
	5.3	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
	5.4	Dispose of waste in accordance with legislation.
	5.5	State why the disposal of waste should be carried out in relation to the work.
6 Complete the work within the allocated time when preparing and mixing lime mortars.	6.1	Demonstrate completion of the work within the allocated time.
	6.2	State the purpose of the work programme and explain why deadlines should be kept in relation to: <ul style="list-style-type: none"> <li>– types of progress charts, timetables and estimated times</li> <li>– organisational procedures for reporting circumstances which will affect the work programme.</li> </ul>

## Units – Learning Outcomes and Assessment Criteria

Title:	Preparing and Mixing Lime Mortars in the Workplace	
Learning outcomes	Assessment criteria	
<i>The learner will be able to:</i>	<i>The learner can:</i>	
7 Comply with the given contract information to prepare and mix lime mortars to the required specification.	7.1	Demonstrate the following work skills when preparing and mixing lime mortars: <ul style="list-style-type: none"> <li>– measuring, sampling, grading, batching, mixing, adding, knocking up and storing.</li> </ul>
	7.2	Prepare at least two of the following lime mortars (coarse and fine stuff) mechanically and/or by hand to given working instructions: <ul style="list-style-type: none"> <li>– hydraulic limes and non-hydraulic limes</li> <li>– lime mortars with additives</li> <li>– lime mortars with fibres (natural or synthetic).</li> </ul>
	7.3	Describe how to apply safe work practices, follow procedures, report problems and establish the authority needed to rectify them, to: <ul style="list-style-type: none"> <li>– source and select materials, aggregates, pozzolans, pigments, additives, fibres</li> <li>– apply the lime cycles</li> <li>– batch materials</li> <li>– mix lime mortars – hydraulic, non-hydraulic, putty, render (with additives and fibres)</li> <li>– use hand tools, power tools and equipment</li> <li>– use plant and machinery</li> <li>– work at height</li> <li>– use access equipment.</li> </ul>
	7.4	Safely use and store materials, hand tools, portable power tools, plant and machinery and ancillary equipment.
	7.5	State the needs of other occupations and how to communicate within a team when preparing and mixing lime mortars.
	7.6	Describe how to maintain the plant/machinery, tools and equipment used when preparing and mixing lime mortars.



## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Preparing and Mixing Lime Mortars in the Workplace
<b>Additional information about this unit</b>	
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	05.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	40

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Producing standard architectural stone enrichments in the workplace	
<b>Unit Number:</b>	K/616/9202	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when producing standard architectural stone enrichments.	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"> <li>– drawings, specifications, schedules, method statements, risk assessments, manufacturers' and technical information, official guidance and current regulations associated with producing standard architectural stone enrichments.</li> </ul>
2 Know how to comply with relevant legislation and official guidance when producing standard architectural stone enrichments.	2.1	Describe their responsibilities regarding potential accidents, incidents, health hazards and the environment, whilst working: <ul style="list-style-type: none"> <li>– in the workplace, in confined spaces, with tools and equipment, with materials and substances, with movement/storage of materials by manual handling and mechanical lifting.</li> </ul>
	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.

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Producing standard architectural stone enrichments in the workplace	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
3 Maintain safe and healthy working practices when producing standard architectural stone enrichments.	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 architectural stone enrichments.
	3.2	Demonstrate compliance with given information and relevant legislation when producing standard architectural stone enrichments, in relation to the following: <ul style="list-style-type: none"> <li>– safe use, storage and handling of materials, tools and equipment</li> <li>– specific risks to health.</li> </ul>
	3.3	Explain why and when health and safety control equipment, identified by the principles of prevention should be used, relating to producing standard architectural stone enrichments, 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"> <li>– collective protective measures</li> <li>– personal protective equipment (PPE)</li> <li>– respiratory protective equipment (RPE)</li> <li>– local exhaust ventilation (LEV).</li> </ul>
	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 architectural stone enrichments.	4.1	Select resources associated with own work in relation to materials, components, fixings, tools and equipment.
	4.2	Describe the characteristics, quality, uses, sustainability, limitations and deflections associated with the resources in relation to: <ul style="list-style-type: none"> <li>– natural stones</li> <li>– templates, moulds and reverses</li> <li>– fittings and fixings</li> <li>– hand tools, power tools, ancillary and safety equipment.</li> </ul>
	4.3	Describe how to confirm that the resources and materials conform to the specification.

## Units – Learning Outcomes and Assessment Criteria

Title:	Producing standard architectural stone enrichments in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
4 Continued	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, volume and wastage associated with the method/procedure to produce standard architectural stone enrichments.
5 Minimise the risk of damage to the work and surrounding area when producing standard architectural stone enrichments.	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 employers' 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 architectural stone enrichments.	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"> <li>– types of programmes of work and estimated times</li> <li>– organisational procedures for reporting circumstances which will affect the work programme.</li> </ul>

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Producing standard architectural stone enrichments in the workplace	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
7 Comply with the given contract information to produce standard architectural stone enrichments to the required specification.	7.1	Demonstrate the following work skills when producing standard architectural stone enrichments: – measuring, marking out, shaping and finishing.
	7.2	Use and maintain hand tools, power tools, ancillary and safety equipment.
	7.3	Check stone for faults, square and true.
	7.4	Produce architectural stone enrichments to given working instructions
	7.5	Set out and work stone to given working instructions to receive enrichments: – flat – moulded – straight and curved – internal and external mitres – stop ends and returned ends.
	7.6	Set out and produce enrichments for at least two of the following architectural stone enrichments to given working instructions: – repeated enrichment (egg and dart, or tongue and dart, or bead and reel) – v-cut carving – high relief carving – low relief carving.
	7.7	Produce required surface finishes to given working instructions.

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Producing standard architectural stone enrichments in the workplace	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
7 Continued	7.8	Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: <ul style="list-style-type: none"> <li>– identify and follow the organisational quality requirements</li> <li>– check stone for faults</li> <li>– check stone for size, square and true</li> <li>– prepare surfaces to receive enrichments</li> <li>– set out and work stones to receive enrichments, flat; moulded; straight and curved; internal and external mitres; stop ends and returned ends</li> <li>– set out and produce architectural stone enrichments (repeated enrichments, egg and dart, tongue and dart, bead and reel), v-cut carving, high relief carving, low relief carving</li> <li>– produce required surface finishes</li> <li>– determine when specialist skills and knowledge are required and report accordingly</li> <li>– understand specific requirements for structures of special interest, traditional build (pre 1919) and historical significance</li> <li>– work with, around and in close proximity to plant and machinery</li> <li>– use hand tools, power tools, ancillary and safety equipment.</li> </ul>
	7.8	Describe the needs of other occupations and how to effectively communicate within a team when producing standard architectural stone enrichments.
	7.9	Describe how to maintain the tools and equipment used when producing standard architectural stone enrichments.

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Producing standard architectural stone enrichments in the workplace
<b>Additional information about this unit</b>	
Assessment Guidance	<p>This unit must be assessed in a work environment, in accordance with the Construction Skills' 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> <p>This unit must be assessed against the endorsements detailed within the relevant NVQ Structure.</p> <p><u>ProQual Level 2 NVQ Diploma in Stonemasonry (Construction:</u></p> <p><b>Two</b> of the following endorsements required:</p> <p>Repeated enrichment (egg and dart, or tongue and dart, or bead and reel)</p> <p>V-cut carving</p> <p>High relief carving</p> <p>Low relief carving</p>
Sector Subject Area	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	90

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Repairing basic stonemasonry structures in the workplace	
<b>Unit Number:</b>	M/616/9203	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when repairing basic stonemasonry structures.	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"> <li>– drawings, specifications, schedules, method statements, risk assessments, manufacturers' and technical information, official guidance and current regulations associated with repairing basic stonemasonry structures.</li> </ul>
2 Know how to comply with relevant legislation and official guidance when repairing basic stonemasonry structures.	2.1	Describe their responsibilities regarding potential accidents, incidents, health hazards and the environment, whilst working: <ul style="list-style-type: none"> <li>– in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement/storage of materials by manual handling and mechanical lifting.</li> </ul>
	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.
3 Maintain safe and healthy working practices when repairing basic stonemasonry structures.	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 repairing basic stonemasonry structures.



## Units – Learning Outcomes and Assessment Criteria

Title:	Repairing basic stonemasonry structures in the workplace	
Learning outcomes	Assessment criteria	
<i>The learner will be able to:</i>	<i>The learner can:</i>	
3 Continued	3.2	Demonstrate compliance with given information and relevant legislation when repairing basic stonemasonry structures, in relation to the following: <ul style="list-style-type: none"> <li>– safe use of access equipment</li> <li>– safe use, storage and handling of materials, tools and equipment</li> <li>– specific risks to health.</li> </ul>
	3.3	Explain why and when health and safety control equipment, identified by the principles of prevention should be used, relating to repairing basic stonemasonry structures, 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"> <li>– collective protective measures</li> <li>– personal protective equipment (PPE)</li> <li>– respiratory protective equipment (RPE)</li> <li>– local exhaust ventilation (LEV).</li> </ul>
	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 repair basic stonemasonry structures.	4.1	Select resources associated with own work in relation to materials, components, fixings, 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"> <li>– natural stones, fixings, fine aggregates, lime, lime mortars, cement, lime additives, adhesives, damp barriers, colourings, insulation, reinforcements, props and struts</li> <li>– hand tools, power tools, ancillary and safety equipment.</li> </ul>
	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.

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Repairing basic stonemasonry structures in the workplace	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
4 Continued	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, weight, area and wastage associated with the method/procedure to repair basic stonemasonry structures.
5 Minimise the risk of damage to the work and surrounding area when repairing basic stonemasonry structures.	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 repairing basic stonemasonry structures.	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"> <li>– types of programmes of work and estimated times</li> <li>– organisational procedures for reporting circumstances which will affect the work programme.</li> </ul>
7 Comply with the given contract information to repair basic stonemasonry structures to the required specification.	7.1	Demonstrate the following work skills when repairing basic stonemasonry structures: <ul style="list-style-type: none"> <li>– measuring, marking out, cutting out, removing, renewing, fixing and finishing.</li> </ul>
	7.2	Use and maintain hand tools, power tools, ancillary and safety equipment.

## Units – Learning Outcomes and Assessment Criteria

Title:	Repairing basic stonemasonry structures in the workplace	
Learning outcomes	Assessment criteria	
<i>The learner will be able to:</i>	<i>The learner can:</i>	
7 Continued	7.3	Cut out and prepare the substrate with regard to the repair method to given working instructions.
	7.4	Arrange the lifting of stonemasonry structures to given working instructions
	7.5	Repair stonemasonry structures to given working instructions to: <ul style="list-style-type: none"> <li>– stone and mortar repairs</li> <li>– individual damaged/defective stones</li> <li>– replicate stones</li> <li>– clean beds and joints including removal of redundant fixings</li> <li>– match finishes.</li> </ul>
	7.6	Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: <ul style="list-style-type: none"> <li>– identify and follow the organisational quality requirements</li> <li>– carry out stone and mortar repairs by full or partial replacement</li> <li>– repair individual damaged or defective stones</li> <li>– match finishes in both stone and mortar</li> <li>– prop and protect existing structures</li> <li>– cut out and prepare the substrate with regard to the repair method</li> <li>– clean beds and joints including removal of redundant fixings</li> <li>– replace and repair stones</li> <li>– identify and fix suitable reinforcements and fixings</li> <li>– identify and mix suitable mortars and adhesives</li> <li>– use quick lime, putty lime and hydraulic lime in mortars and lime washes</li> </ul>

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Repairing basic stonemasonry structures in the workplace	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
7 Continued	7.6 contd	<ul style="list-style-type: none"> <li>– protect lime mortars from adverse weather and rapid drying</li> <li>– determine when specialist skills and knowledge are required and report accordingly</li> <li>– understand specific requirements for structures of special interest, traditional build (pre 1919), historical significance, listed buildings, flora and fauna</li> <li>– discuss and review on-going work</li> <li>– work with, around and in close proximity to plant and machinery</li> <li>– use hand tools, power tools, ancillary and safety equipment</li> <li>– work at height</li> <li>– use access equipment.</li> </ul>
	7.7	Describe the needs of other occupations and how to communicate effectively within a team when repairing basic stonemasonry structures.
	7.8	Describe how to maintain the tools and equipment used when repairing basic stonemasonry structures.

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Repairing basic stonemasonry structures in the workplace
<b>Additional information about this unit</b>	
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	110

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Installing internal stone flooring in the workplace	
<b>Unit Number:</b>	T/616/9204	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when installing internal stone flooring.	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"> <li>– drawings, specifications, schedules, method statements, risk assessments, manufacturers' and technical information, official guidance and current regulations associated with the installation of internal stone natural flooring.</li> </ul>
2 Know how to comply with relevant legislation and official guidance when installing internal stone flooring.	2.1	Describe their responsibilities regarding potential accidents, incidents, health hazards and the environment, whilst working: <ul style="list-style-type: none"> <li>– in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement/storage of materials by manual handling and mechanical lifting.</li> </ul>
	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.
3 Maintain safe and healthy working practices when installing internal stone flooring.	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 installing internal stone flooring.
	3.2	Demonstrate compliance with given information and relevant legislation when installing internal stone flooring, in relation to the following: <ul style="list-style-type: none"> <li>– safe use of access equipment</li> <li>– safe use, storage and handling of materials, tools and equipment</li> <li>– specific risks to health.</li> </ul>

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Installing internal stone flooring in the workplace	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
3 Continued	3.3	Explain why and when health and safety control equipment, identified by the principles of prevention should be used, relating to installing internal stone flooring, 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"> <li>– collective protective measures</li> <li>– personal protective equipment (PPE)</li> <li>– respiratory protective equipment (RPE)</li> <li>– local exhaust ventilation (LEV).</li> </ul>
	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 install internal stone flooring.	4.1	Select resources associated with own work in relation to materials, components, fixings, 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"> <li>– natural stone</li> <li>– adhesives, mortars, grouts, cement, aggregates, primers, self-levelling compounds, additives, surface treatments</li> <li>– trims and movement joints</li> <li>– damp barriers</li> <li>– fittings and fixings</li> <li>– hand tools, power tools, ancillary and safety equipment.</li> </ul>
	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.

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Installing internal stone flooring in the workplace	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
4 Continued	4.7	Describe how to calculate quantity, length, area and wastage associated with the method/procedure to install internal stone flooring.
5 Minimise the risk of damage to the work and surrounding area when installing internal stone flooring.	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.
6 Complete the work within the allocated time when installing internal stone flooring.	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.
	6.1	Demonstrate safe completion of the work within the estimated agreed allocated time.
7 Comply with the given contract information to install internal stone flooring to the required specification.	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"> <li>– types of programmes of work and estimated times</li> <li>– organisational procedures for reporting circumstances which will affect the work programme.</li> </ul>
	7.1	Demonstrate the following work skills when installing internal stone flooring: <ul style="list-style-type: none"> <li>– measuring, marking out, cutting, applying, finishing, positioning, securing and sealing.</li> </ul>
	7.2	Use and maintain hand tools, power tools, ancillary and safety equipment.
	7.3	Arrange the lifting of natural stone flooring to given working instructions
	7.4	Prepare backgrounds to given working instructions for natural stone.



## Units – Learning Outcomes and Assessment Criteria

Title:	Installing internal stone flooring in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
7 Continued	7.5	Install membranes to given working instructions for natural stone.
	7.6	Lay internal natural stone flooring to given working instructions.
	7.7	Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: <ul style="list-style-type: none"> <li>– identify and follow the organisational quality requirements</li> <li>– prepare backgrounds to receive internal natural stone flooring</li> <li>– establish datums, set out, lay and finish natural stone flooring to regular and irregular surfaces, including treads, risers and landings</li> <li>– mix and lay self-levelling compounds, screeds, mortars, adhesives and grouts</li> <li>– apply natural stone flooring to heated backgrounds</li> <li>– bed, joint and point natural stone flooring</li> <li>– fix trims and movement joints</li> <li>– determine when specialist skills and knowledge are required and report accordingly</li> <li>– understand specific requirements for structures of special interest, traditional build (pre 1919) and historical significance</li> <li>– work with, around and in close proximity to plant and machinery</li> <li>– use hand tools, power tools, ancillary and safety equipment</li> <li>– work at height</li> <li>– use access equipment.</li> </ul>
	7.8	Describe the needs of other occupations and how to communicate effectively within a team when installing internal stone flooring.
7.9	Describe how to maintain the tools and equipment used when installing internal stone flooring.	

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Installing internal stone flooring in the workplace
<b>Additional information about this unit</b>	
Assessment Guidance	<p>This unit must be assessed in a work environment, in accordance with the Construction Skills' 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> <p>This unit must be assessed against the endorsements detailed within the relevant NVQ structure. Please refer to the NVQ structure applicable to the qualification/occupational area in which the candidate is being assessed.</p>
Sector Subject Areas	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	70

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Repairing and replacing stone cladding in the workplace	
<b>Unit Number:</b>	A/616/9205	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when repairing and replacing stone cladding.	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"> <li>– drawings, specifications, schedules, method statements, risk assessments, manufacturers' and technical information, official guidance, and current regulations associated with repairing and replacing stone cladding</li> </ul>
2 Know how to comply with relevant legislation and official guidance when repairing and replacing stone cladding.	2.1	Describe their responsibilities regarding potential accidents, incidents, health hazards and the environment, whilst working: <ul style="list-style-type: none"> <li>– in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement/storage of materials by manual handling and mechanical lifting.</li> </ul>
	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.
3 Maintain safe and healthy working practices when repairing and replacing stone cladding.	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 repairing and replacing stone cladding.

## Units – Learning Outcomes and Assessment Criteria

Title:	Repairing and replacing stone cladding in the workplace	
Learning outcomes	Assessment criteria	
<i>The learner will be able to:</i>	<i>The learner can:</i>	
3 Continued	3.2	Demonstrate compliance with given information and relevant legislation when repairing and replacing stone cladding, in relation to the following: <ul style="list-style-type: none"> <li>– safe use of access equipment</li> <li>– safe use, storage and handling of materials, tools and equipment</li> <li>– specific risks to health.</li> </ul>
	3.3	Explain why and when health and safety control equipment, identified by the principles of prevention, should be used, relating to repairing and replacing stone cladding, 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"> <li>– collective protective measures</li> <li>– personal protective equipment (PPE)</li> <li>– respiratory protective equipment (RPE)</li> <li>– local exhaust ventilation (LEV).</li> </ul>
	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 repair and replace stone cladding.	4.1	Select resources associated with own work in relation to materials, components, fixings, 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"> <li>– stone cladding</li> <li>– fittings and fixings</li> <li>– lime, cement, fine and coarse aggregates</li> <li>– additives, resins, colouring</li> <li>– membranes, insulation, fire stops, cavity trays</li> <li>– hand tools, power tools, ancillary and safety equipment and lifting systems.</li> </ul>

## Units – Learning Outcomes and Assessment Criteria

Title:	Repairing and replacing stone cladding in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
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, volume and wastage associated with the method and procedure to repair and replace stone cladding.
5 Minimise the risk of damage to the work and surrounding area when repairing and replacing stone cladding.	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 repairing and replacing stone cladding.	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"> <li>– types of programmes of work and estimated times</li> <li>– organisational procedures for reporting circumstances which will affect the work programme.</li> </ul>

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Repairing and replacing stone cladding in the workplace	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
7 Comply with the given contract information to repair and replace stone cladding to the required specification.	7.1	Demonstrate the following work skills when repairing and replacing stone cladding: <ul style="list-style-type: none"> <li>– measuring, marking out, cutting, lifting, drilling, tooling, removing, positioning, fixing, securing and finishing.</li> </ul>
	7.2	Use and maintain hand tools, power tools, ancillary and safety equipment.
	7.3	Arrange the lifting of stone cladding to given working instructions
	7.4	Repair or replace defective stone cladding to given working instructions.
	7.5	Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: <ul style="list-style-type: none"> <li>– identify and follow organisational quality requirements</li> <li>– repair defective stone cladding by removal, replacement and damage repair</li> <li>– repair and replace load bearing support and restraint systems</li> <li>– form joint finishes</li> <li>– mix mortars and resins</li> <li>– install and remove temporary centring, shores, struts and props</li> <li>– install membranes, insulation, cavity trays and fire stops</li> <li>– lift and position stone cladding</li> <li>– determine when specialist skills and knowledge are required and report accordingly</li> <li>– understand specific requirements for structures of special interest, traditional build (pre 1919) and historical significance</li> <li>– work with, around and in close proximity to plant and machinery</li> <li>– use hand tools, power tools, ancillary and safety equipment</li> <li>– work at height</li> <li>– use access equipment.</li> </ul>

## Units – Learning Outcomes and Assessment Criteria

<b>Title:</b>	Repairing and replacing stone cladding in the workplace	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
7 Continued	7.6	Describe the needs of other occupations and how to communicate effectively within a team when repairing and replacing stone cladding.
	7.7	Describe how to maintain the tools and equipment used when repairing and replacing stone cladding

<b>Title:</b>	Repairing and replacing stone cladding in the workplace	
<b>Additional information about this unit</b>		
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 Area	5.2 Building and Construction	
Availability for use	Shared unit	
Unit guided learning hours	70	



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