Level 3 NVQ Diploma in Trowel Occupations (Construction)

Qualification Specification

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Introduction

The aim of this qualification is to recognise the knowledge, skills and competence of individuals who specialise in bricklaying in the construction industry. The learner will need to demonstrate skills, knowledge and understanding in core subject areas, and will also need to demonstrate occupational competence in a specialist subject area.

The awarding organisation for this qualification is ProQual Awarding Body and the regulatory body is the Office of Qualifications and Examinations Regulation (Ofqual). The specification for these qualifications has been approved by the Welsh Government for use by centres in Wales and by the Council for the Curriculum Examinations and Assessment (CCEA) for use by centres in Northern Ireland.

This qualification has been accredited onto the Regulated Qualifications Framework (RQF).

Qualification Profile

Qualification title	**ProQual Level 3 NVQ Diploma in Trowel Occupations (Construction)**
Ofqual qualification number	601/6501/7
Level	Level 3
Total qualification time	1500 hours
Guided learning hours	501
Assessment	Pass or fail Internally assessed and verified by centre staff External quality assurance by ProQual verifiers
Qualification start date	1/7/15
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

Candidates must complete ALL of the Mandatory units, plus a minimum of ONE Optional unit.

Mandatory Units – ALL units			
Unit Reference Number	**Unit Title**	**Unit Level**	**GLH**
A/503/2772	Confirming Work Activities and Resources for an Occupational Work Area in the Workplace	3	33
M/503/2915	Developing and Maintaining Good Occupational Working Relationships in the Workplace	5	27
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A/503/1170	Conforming to general health, safety and welfare in the workplace	1	7
A/503/9463	Erecting Masonry Structures in the Workplace	2	90
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F/503/9545	Setting Out Complex Masonry Structures in the Workplace	3	87
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Optional Units – a minimum of ONE unit			
Unit Reference Number	**Unit Title**	**Unit Level**	**GLH**
T/503/9476	Erecting masonry cladding in the workplace	2	80
H/503/9490	Erecting thin joint masonry structures in the workplace	2	77
K/503/9538	Maintaining slate and tile roofing in the workplace	2	47
L/503/9550	Repairing and maintaining masonry structures in the workplace	3	73
R/600/7693	Producing internal solid plastering finishes in the workplace	2	73
D/600/7695	Producing external solid render finishes in the workplace	2	73
R/504/6774	Placing and finishing non-specialist concrete in the workplace	2	70
Y/504/6775	Installing drainage in the workplace	2	63

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 occupationally competent.

Assessors/Internal Quality Assurance
For each competence-based unit centres must be able to provide at least one assessor and one internal quality assurance verifier who are suitably qualified for the specific occupational area. Assessors and internal quality assurance verifiers for competence-based units or qualifications will normally need to hold appropriate assessor or verifier qualifications, such as:

- Award in Assessing Competence in the Work Environment
- Award in Assessing Vocationally Related Achievement
- Certificate in Assessing Vocational Achievement
- Award in the Internal Quality Assurance of Assessment Processes and Practices
- Certificate in Leading the Internal Quality Assurance of Assessment Processes and Practices

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

Assessment

Candidates must demonstrate the level of knowledge described in the unit. Assessment is the process of measuring a candidate's knowledge and understanding against the standards set in the qualification.

Assessment guidance is included to assure consistency.

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

Evidence can include:

- assignments/projects/reports
- worksheets
- portfolio of evidence
- record of oral and/or written questioning
- candidate test papers

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 for this qualification can be found from page 8.

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 qualifications will be awarded:

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

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Claiming certificates

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

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.

Unit A/503/2772
Confirming Work Activities and Resources for an Occupational Area in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Identify work activities, assess required resources and plan the sequence of work.	1.1 Identify work activities, assess required resources and plan the sequence of work. 1.2 Identify work activities and formulate a plan for their own sequence of work. 1.3 Explain the types of work relative to the occupational area and how to identify different work activities. 1.4 Explain methods of assessing the resources needed from a range of available information. 1.5 Explain the required information and the different methods used to prepare a work programme relative to the occupational area.
2 Obtain clarification and advice where the resources required are not available.	2.1 Seek advice and clarity from appropriate sources on resources available and the alternatives that can be used for the work when required resources are not available. 2.2 Explain the different sources and methods that can be used to obtain clarification and advice when the required resources are not available.
3 Evaluate the work activities and the requirements of any significant external factors against the project requirements.	3.1 Assess progress of work against project requirements, taking into account external factors relating to: – other occupations and /or customers – resources – weather conditions – health and safety requirements. 3.2 Explain different methods of evaluating work activities against the following project requirements: – contract conditions – contract programme – health and safety requirements of operatives. 3.3 Evaluate the requirements of significant external factors that could affect the progress of work, in relation to: – other related programmes – special working conditions – weather conditions – other occupations/people – resources – health and safety requirements.
4 Identify work activities which influence each other and make the best use of the resources available.	4.1 Determine work activities that have an influence on each other

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	4.2 Evaluate which work activities make the best use of available resources in relation to: – occupations and/or customers associated with the work – tools, plant and/or ancillary equipment - materials and components.
	4.3 Explain different methods and sources that can identify which work activities influence each other.
	4.4 Describe how to determine the sequence of work activities and how long each work activity will take.
	4.5 Describe what zero and low carbon requirements are.
	4.6 Explain how work activities and different ways of using resources can impact on zero and low carbon requirements, and make a positive contribution to the environment.
5 Identify changed circumstances that require alterations to the work programme and justify them to decision makers.	5.1 Evaluate project progress against the work programme to identify any changed circumstances.
	5.2 Inform line management and/or customers on the type and extent of any required changes to the work programme.
	5.3 Explain how to identify possible alterations to the work programme to meet changed circumstances relating to action lists, method statements, duration, schedules and/or occupation specific requirements.
	5.4 Explain how to assess contractual/work effects resulting from alterations to the work programme.
	5.5 Explain the methods used to justify to decision makers on the effects resulting from alterations to the work programme.

Assessment

This unit must be assessed in a work environment, in accordance with the Construction Skills Consolidated Assessment Strategy.

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 Construction Skills Consolidated Assessment Strategy.

Workplace evidence of skills cannot be simulated.

Unit M/503/2915
Developing and Maintaining Good Occupational Working Relationships in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Develop, maintain and encourage working relationships to promote good will and trust.	1.1 Give appropriate advice and information to relevant people about the occupational work activities and/or associated occupations involved.
	1.2 Apply the principles of equality and diversity by considering the needs of individuals when working and communicating with others.
	1.3 Explain the methods and techniques used and personal attributes required to encourage and maintain working relationships that promote goodwill and trust with relevant people.
	1.4 Explain the principles of equality and diversity and how to apply them when working and communicating with others.
2 Inform relevant people about work activities in an appropriate level of detail, with the appropriate level of urgency.	2.1 Communicate on the following work activity information to relevant people following organisational procedures: – appropriate timescales – health and safety requirements – co-ordination of work procedures.
	2.2 Explain the different methods and techniques used to inform relevant people about work activities.
	2.3 Explain the effects of not informing relevant people with the expected level of urgency.
	2.4 Explain the different types of work activity related information and to what level of detail the following people would expect to receive: – colleagues – employers – customers – contractors – suppliers of products and services – other people affected by the work/project.
3 Offer advice and help to relevant people about work activities and encourage questions/requests for clarification and comments.	3.1 Give appropriate advice and information to relevant people about the different methods of carrying out occupational work activities to achieve the required outcome.
	3.2 Explain the techniques of encouraging questions and/or requests for clarification and comments.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	3.3 Explain the different ways of offering advice and help to different people about work activities, in relation to: – progress – results – achievements – occupational problems – occupational opportunities – health and safety requirements – co-ordinated work.
4 Clarify proposals with relevant people and discuss alternative suggestions.	4.1 Engage regular discussions with relevant people about the occupational work activity and/or other occupations involved.
	4.2 Explain the methods of clarifying alternative proposals with relevant people.
	4.3 Explain the methods of suggesting alternative proposals.
5 Resolve differences of opinion in ways that minimise offence and maintain goodwill, trust and respect.	5.1 Examine and agree the work activities that satisfy all people involved and will meet the required outcome of the proposed method of work.
	5.2 Explain the methods and techniques used to resolve differences of opinion in ways which minimise offence and maintain goodwill, trust and respect.

Assessment

This unit must be assessed in a work environment, in accordance with the Construction Skills Consolidated Assessment Strategy.

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 Construction Skills Consolidated Assessment Strategy.

Workplace evidence of skills cannot be simulated.

Unit R/503/2914
Confirming the Occupational Method of Work in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Assess available project data accurately to determine the occupational method of work.	1.1 Interpret and extract information from drawings, specifications, schedules, manufacturer's information, methods of work, risk assessments and programmes of work. 1.2 Explain how to summarise the following project data: – required quantities – specifications – detailed drawings – health and safety requirements – timescales – scope of works. 1.3 Explain the different methods of assessing available project data. 1.4 Explain how to use project data to interpret the work method, In relation to: – standard work procedures – sequence of work – organisation of resources (people, equipment, materials) – work techniques – working conditions (health, safety and welfare) – risk assessment.
2 Obtain additional information from alternative sources in cases where the available project data is insufficient.	2.1 Collect and collate additional information from alternative sources to clarify the work to be carried out. 2.2 Explain different methods and techniques of obtaining additional information from the following alternative sources when available project data is insufficient: – customers or representatives – suppliers – regulatory authorities – manufacturer's literature.
3 Identify work methods that will make best use of resources and meet project, statutory and contractual requirements.	3.1 Examine potential work methods to carry out the occupational work activity. 3.2 Determine which work methods will make best use of relevant resources and meet health and safety requirements relating to technical and/or project criteria.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	3.3 Explain how to identify work methods that make best use of resources and meet project, statutory and contractual requirements against technical criteria, in relation to: – health and safety welfare (principles of protection) – fire protection – access and egress – equipment availability – availability of competent workforce – pollution risk – waste and disposal – zero and low carbon outcomes – weather conditions.
	3.4 Explain how to identify work methods that make best use of resources and meet project, statutory and contractual requirements against project criteria, in relation to: – conforming to statutory requirements – customer and user needs – contract requirements in terms of time, quantity and quality – environmental considerations.
	3.5 Explain how different methods of work can achieve zero/low carbon outcomes.
4 Confirm and communicate the selected work method to relevant personnel.	4.1 Confirm the selected occupational work method that meets project, statutory and contractual requirements.
	4.2 Communicate appropriately to relevant people on the selected occupational work method.
	4.3 Describe the different techniques and methods of confirming and communicating work methods to relevant people.
	4.4 Explain the principles of equality and diversity and how to apply them when working and communicating with others.

Assessment

This unit must be assessed in a work environment, in accordance with the Construction Skills Consolidated Assessment Strategy.

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 Construction Skills Consolidated Assessment Strategy.

Workplace evidence of skills cannot be simulated.

Unit A/503/1170
Conforming to General Health, Safety and Welfare in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
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: – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV). 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. 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.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	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: – dealing with accidents and emergencies associated with the work and environment – methods of receiving or sourcing information – reporting – stopping work – evacuation – fire risks and safe exit procedures – consultation and feedback.
	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.
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: – recognising when to stop work in the face of serious and imminent danger to self and/or others – contributing to discussions and providing feedback – reporting changed circumstances and incidents in the workplace – complying with the environmental requirements of the workplace.
	4.3 Give examples of how the behaviour and actions of individuals could affect others within the workplace.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
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: – during the working day – on completion of the day's work – for unauthorised personnel (other operatives and the general public) – for theft. 5.2 State how security arrangements are implemented in relation to the workplace, the general public, site personnel and resources.

Assessment

This unit must be assessed in a work environment, in accordance with the Construction Skills Consolidated Assessment Strategy.

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 Construction Skills Consolidated Assessment Strategy.

Workplace evidence of skills cannot be simulated.

Unit A/503/9463
Erecting Masonry Structures in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to the work and resources when erecting masonry structures.	1.1 Interpret and extract relevant information from drawings, risk assessments, method statements, specifications, schedules 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, risk assessments, method statements, schedules, manufacturers' information and regulations governing buildings.
2 Know how to comply with relevant legislation and official guidance when erecting masonry structures.	2.1 Describe their responsibilities regarding potential accidents and health hazards, whilst working: – 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. 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.
3 Maintain safe and healthy working practices when erecting masonry structures.	3.1 Use health and safety control equipment and access equipment safely to carry out the activity in accordance with current legislation and organisational requirements when erecting masonry structures. 3.2 Comply with information relating to specific risks to health when erecting masonry structures. 3.3 Explain why and when health and safety control equipment, identified by the principles of protection, should be used, relating to erecting masonry structures, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV). 3.4 Describe how the relevant health and safety control equipment should be used in accordance with the given instructions.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	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 hazards.
4 Select the required quantity and quality of resources for the methods of work to erect masonry 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: – bricks, blocks, mortars, frames, insulation, damp-proof barriers, lintels, fixings, ties – hand and/or powered tools and equipment.
	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 erect masonry structures.
5 Minimise the risk of damage to the work and surrounding area when erecting masonry structures.	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, manufacturers' information, statutory regulations and official guidance.
6 Complete the work within the allocated time when erecting masonry structures.	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: – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.
7 Comply with the given contract information to erect masonry structures to the required specification.	7.1 Demonstrate the following work skills when erecting masonry structures: – measuring, marking out, laying, positioning and securing.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	7.2 Erect masonry in brick and block and/or local materials to given working instructions for the following: – cavity wall structures – blockwork structures – solid wall structures – door and window openings joint finishes.
	7.3 Safely use materials, hand tools, portable power tools and ancillary equipment.
	7.4 Safely store the materials, tools and equipment used when erecting masonry structures.
	7.5 Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: – erect cavity walling and solid walling using brick and block and local materials – erect walling of the local style – lay blocks (traditional and thin joint) – determine brick and block bonds – form joint finishes – form openings for doors and windows – prop and support structures – complete and remove temporary works
	7.6 Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: – position insulation materials – position damp-proof barriers, cavity trays and weep holes – position wall ties – mix mortar – use hand tools, power tools and equipment – work with plant and machinery – work at height use access equipment.
	7.7 Describe the needs of other occupations and how to effectively communicate within a team when erecting masonry structures.
	7.8 Describe how to maintain the tools and equipment used when erecting masonry structures.

Assessment

This unit must be assessed in a work environment, in accordance with the Construction Skills Consolidated Assessment Strategy.

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 Construction Skills Consolidated Assessment Strategy.

Workplace evidence of skills cannot be simulated.

This unit must be assessed against one of the following endorsements:
– Brick and blockwork
– Local material.

Unit Y/503/9471
Setting Out Masonry Structures in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to the work and resources when setting out masonry structures.	1.1 Interpret and extract relevant information from drawings, risk assessments, method statements, specifications, schedules 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, risk assessments, method statements, schedules, manufacturers' information and regulations governing buildings.
2 Know how to comply with relevant legislation and official guidance when setting out masonry structures.	2.1 Describe their responsibilities regarding potential accidents and health hazards, whilst working: – 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. 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.
3 Maintain safe and healthy working practices when setting out masonry structures.	3.1 Use health and safety control equipment safely to carry out the activity in accordance with current legislation and organisational requirements when setting out masonry structures. 3.2 Comply with information relating to specific risks to health when setting out masonry structures. 3.3 Explain why and when health and safety control equipment, identified by the principles of protection, should be used, relating to setting out masonry structures, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV). 3.4 Describe how the relevant health and safety control equipment should be used in accordance with the given instructions.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	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 hazards.
4 Select the required quantity and quality of resources for the methods of work to set out masonry structures.	4.1 Select resources associated with own work in relation to hand tools, materials, components and fixings, and setting out equipment.
	4.2 Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: – levels, lines, profiles, tape measures, pegs, squares and fixings - hand tools and setting out equipment.
	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 distances, length, levels and diagonals, quantity and area associated with the method/procedure to set out masonry structures.
5 Minimise the risk of damage to the work and surrounding area when setting out masonry structures.	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, manufacturers' information, statutory regulations and official guidance.
6 Complete the work within the allocated time when setting out masonry structures.	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: – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.
7 Comply with the given contract information to set out masonry structures to the required specification.	7.1 Demonstrate the following work skills when setting out masonry structures: – measuring, marking out, levelling, plumbing, positioning and securing.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	7.2 Set out regular shaped structures to given working instructions in one of the following: – brick – block local materials. 7.3 Safely use materials, hand tools and setting out equipment. 7.4 Safely store the materials, tools and equipment used when setting out masonry structures. 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 brick, traditional and thin joint blocks and structures of local materials on level and sloping ground – construct corner profiles – plumb from ranging lines – transfer levels (spirit level, straight-edge, water levels and laser level) use hand tools and setting out equipment. 7.6 Describe the needs of other occupations and how to effectively communicate within a team when setting out masonry structures. 7.7 Describe how to maintain the tools and equipment used when setting out masonry structures.

Assessment

This unit must be assessed in a work environment, in accordance with the Construction Skills Consolidated Assessment Strategy.

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 Construction Skills Consolidated Assessment Strategy.

Workplace evidence of skills cannot be simulated.

This unit must be assessed against **one** of the following endorsements:

Brick
Block
Local material

Unit F/503/9545
Setting Out Complex Masonry Structures in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to the work and resources when setting out complex masonry structures.	1.1 Interpret and extract relevant information from drawings, risk assessments, method statements, specifications, schedules, manufacturers' information and building regulations. 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, risk assessments, method statements, specifications, schedules, manufacturers' information and regulations governing buildings.
2 Know how to comply with relevant legislation and official guidance when setting out complex masonry structures.	2.1 Describe their responsibilities regarding potential accidents and health hazards, whilst working: – 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. 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.
3 Maintain safe and healthy working practices when setting out complex masonry structures.	3.1 Use health and safety control equipment safely to carry out the activity in accordance with current legislation and organisational requirements when setting out complex masonry structures. 3.2 Comply with information relating to specific risks to health when setting out complex masonry structures. 3.3 Explain why and when health and safety control equipment, identified by the principles of protection, should be used, relating to setting out complex masonry structures, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV). 3.4 Describe how the relevant health and safety control equipment should be used in accordance with the given instructions.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	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 hazards.
4 Select the required quantity and quality of resources for the methods of work to set out complex masonry structures.	4.1 Select resources associated with own work in relation to materials, components and fixings, hand tools and setting out equipment.
	4.2 Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: – levels, lines, trammels, templates, profiles, tape measures, pegs, squares and fixings hand tools and setting out equipment.
	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 set out complex masonry structures.
5 Minimise the risk of damage to the work and surrounding area when setting out complex masonry structures.	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, manufacturers' information, statutory regulations and official guidance.
6 Complete the work within the allocated time when setting out complex masonry structures.	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: – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
7 Comply with the given contract information to set out complex masonry structures to the required specification.	7.1 Demonstrate the following work skills when setting out complex masonry structures: – measuring, marking out, levelling, positioning and securing. 7.2 Set out complex masonry structures on level and/or sloping ground to given working instructions for one of the following: – curved – splayed angled. 7.3 Safely use materials, hand tools and setting out equipment. 7.4 Safely store the materials, tools and equipment used when setting out complex masonry structures. 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 and check regular and irregular shaped brick, traditional and thin joint blocks and structures of local materials and styles on level and sloping ground – set out and check curved and splayed, angled and battered brick and block and walls of local materials – construct profiles – transfer levels (spirit level, straight-edge, water levels, laser level, optical levels and ancillary equipment) use hand tools and setting out equipment. 7.6 Describe the needs of other occupations and how to effectively communicate within a team when setting out complex masonry structures. 7.7 Describe how to maintain the tools and equipment used when setting out complex masonry structures

Assessment

This unit must be assessed in a work environment, in accordance with the Construction Skills Consolidated Assessment Strategy.

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 Construction Skills Consolidated Assessment Strategy.

Workplace evidence of skills cannot be simulated.

This unit must be assessed against one of the following endorsements:
- Curved
- Splayed
  Angled.

Unit Y/503/9549
Erecting Complex Masonry Structures in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to the work and resources when erecting complex masonry structures.	1.1 Interpret and extract relevant information from drawings, risk assessments, method statements, specifications, schedules 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, risk assessments, method statements, specifications, schedules, manufacturers' information and regulations governing buildings.
2 Know how to comply with relevant legislation and official guidance when erecting complex masonry structures.	2.1 Describe their responsibilities regarding potential accidents and health hazards, whilst working: – 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. 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.
3 Maintain safe and healthy working practices when erecting complex masonry structures.	3.1 Use health and safety control equipment and access equipment safely to carry out the activity in accordance with current legislation and organisational requirements when erecting complex masonry structures. 3.2 Comply with information relating to specific risks to health when erecting complex masonry structures. 3.3 Explain why and when health and safety control equipment, identified by the principles of protection, should be used, relating to erecting complex masonry structures, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV). 3.4 Describe how the relevant health and safety control equipment should be used in accordance with the given instructions.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	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 hazards.
4 Select the required quantity and quality of resources for the methods of work to erect complex masonry structures.	4.1 Select resources associated with own work in relation to materials, components and fixings, and tools and equipment.
	4.2 Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: – bricks, blocks, mortars, frames, insulation, damp-proof barriers, lintels, fixings and ties hand and/or powered tools and equipment.
	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 erect complex masonry structures.
5 Minimise the risk of damage to the work and surrounding area when erecting complex masonry structures.	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, manufacturers' information, statutory regulations and official guidance.
6 Complete the work within the allocated time when erecting complex masonry structures.	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: – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.
7 Comply with the given contract information to erect complex masonry structures to the required specification.	7.1 Demonstrate the following work skills when erecting complex masonry structures: – measuring, checking, marking out, laying, positioning and securing.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	7.2 Erect complex masonry in brick and block and/or local materials to given working instructions, including forming joint finishes, for three of the following: – arches – chimney stacks or fireplaces – walls with flush, projecting or decorative features – walls curved on plan walls splayed on plan.
	7.3 Safely use materials, hand tools, portable power tools and ancillary equipment.
	7.4 Safely store the materials, tools and equipment used when erecting complex masonry structures.
	7.5 Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: – erect cavity walling and solid walling using brick, traditional and thin joint blocks and local materials – erect walls using local materials and styles – lay blocks (traditional and thin joint) – work overhand – form openings for doors and windows – install fixings, cramps and ties – form arches (rough, axed, purpose-made) – form walls flush, projecting and decorative features – form walls curved on plan and check with trammel, templates and bay moulds – form walls splayed on plan and check with templates and bay moulds
	7.6 Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: – form walls curved and ramped in elevation and set out and check with trammels and profiles – prop and support structures – complete and remove temporary works – form joint finishes – select and install vertical and horizontal reinforcement – position damp-proof barriers – mix mortar – work with plant and machinery – use hand tools, power tools and equipment – work at height use access equipment.
	7.7 Describe the needs of other occupations and how to effectively communicate within a team when erecting complex masonry structures.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	7.8 Describe how to maintain the tools and equipment used when erecting complex masonry structures.

Assessment

This unit must be assessed in a work environment, in accordance with the Construction Skills Consolidated Assessment Strategy.

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 Construction Skills Consolidated Assessment Strategy.

Workplace evidence of skills cannot be simulated except for the following items from assessment criteria 7.2: arches, chimney stacks or fireplaces.

This unit must be assessed against **one** of the following:

Brick and block or Local material

Plus against **three** of the following: Arches (sim*), Chimney stacks or fireplaces(sim*), Walls with flush,projecting or decorative features, Walls curved on plan,Walls splayed on plan

(sim*) can form only one of the three items required

Unit T/503/9476
Erecting Masonry Cladding in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to the work and resources when erecting masonry cladding.	1.1 Interpret and extract relevant information from drawings, risk assessments, method statements, specifications, schedules 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 risk assessments, method statements, schedules, manufacturers' information and regulations governing buildings.
2 Know how to comply with relevant legislation and official guidance when erecting masonry cladding.	2.1 Describe their responsibilities regarding potential accidents and health hazards, whilst working: – 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. 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.
3 Maintain safe and healthy working practices when erecting masonry cladding.	3.1 Use health and safety control equipment and access equipment safely to carry out the activity in accordance with current legislation and organisational requirements when erecting masonry cladding. 3.2 Comply with information relating to specific risks to health when erecting masonry cladding. 3.3 Explain why and when health and safety control equipment, identified by the principles of protection, should be used, relating to erecting masonry cladding, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV). 3.4 Describe how the relevant health and safety control equipment should be used in accordance with the given instructions.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	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 hazards.
4 Select the required quantity and quality of resources for the methods of work to erect masonry cladding.	4.1 Select resources associated with own work in relation to materials, components and fixings, and tools and equipment. 4.2 Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: – bricks, blocks, mortars, frames, insulation, damp-proof barriers, lintels, fixings and ties - hand and/or powered tools and equipment. 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 erect masonry cladding.
5 Minimise the risk of damage to the work and surrounding area when erecting masonry cladding.	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, manufacturers' information, statutory regulations and official guidance.
6 Complete the work within the allocated time when erecting masonry cladding.	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: – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.
7 Comply with the given contract information to erect masonry cladding to the required specification.	7.1 Demonstrate the following work skills when erecting masonry cladding: – measuring, marking out, laying, positioning and securing.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	7.2 Erect brick and block and/or local material cladding to given working instructions, including the formation of door and window openings and joint finishes, for one of the following structures: – pre-erected timber frame – pre-erected concrete – pre-erected steel - existing. 7.3 Safely use materials, hand tools, portable power tools and ancillary equipment. 7.4 Safely store the materials, tools and equipment used when erecting masonry cladding. 7.5 Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: – erect brick, traditional and thin joint blocks cladding to pre-erected timber frame, concrete, steel and existing structures – clad structures using local materials – lay bricks, blocks (traditional and thin joint) – form joint finishes – form openings for doors and windows – prop and support structures – complete and remove temporary structures – position damp-proof barriers – mix mortar – use hand tools, power tools and equipment – work with plant and machinery – work at height - use access equipment. 7.6 Describe the needs of other occupations and how to effectively communicate within a team when erecting masonry cladding. 7.7 Describe how to maintain the tools and equipment used when erecting masonry cladding.

Assessment

This unit must be assessed in a work environment, in accordance with the Construction Skills Consolidated Assessment Strategy.

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 Construction Skills Consolidated Assessment Strategy.

Workplace evidence of skills cannot be simulated.

This unit must be assessed against one of the following endorsements:

- Brick and block or Local material

Plus against one of the following:

- Timber frame structures, Concrete structures, Steel structures or Existing structures.

Unit /503/9490
Erecting Thin Joint Masonry Structures in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to the work and resources when erecting thin joint masonry structures.	1.1 Interpret and extract relevant information from drawings, risk assessments, method statements, specifications, schedules 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, risk assessments, method statements, specifications, schedules, manufacturers' information and regulations governing buildings.
2 Know how to comply with relevant legislation and official guidance when erecting thin joint masonry structures.	2.1 Describe their responsibilities regarding potential accidents and health hazards, whilst working: – 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. 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.
3 Maintain safe and healthy working practices when erecting thin joint masonry structures.	3.1 Use health and safety control equipment and access equipment safely to carry out the activity in accordance with current legislation and organisational requirements when erecting thin joint masonry structures. 3.2 Comply with information relating to specific risks to health when erecting thin joint masonry structures. 3.3 Explain why and when health and safety control equipment, identified by the principles of protection, should be used, relating to erecting thin joint masonry structures, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV). 3.4 Describe how the relevant health and safety control equipment should be used in accordance with the given instructions.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	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 hazards.
4 Select the required quantity and quality of resources for the methods of work to erect thin joint masonry structures.	4.1 Select resources associated with own work in relation to materials, components and fixings, and tools and equipment.
	4.2 Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: – blocks, jointing compounds, frames, insulation, damp-proof barriers, lintels, fixings, ties - hand and/or powered tools and equipment.
	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 erect thin joint masonry structures.
5 Minimise the risk of damage to the work and surrounding area when erecting thin joint masonry structures.	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, manufacturers' information, statutory regulations and official guidance.
6 Complete the work within the allocated time when erecting thin joint masonry structures.	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: – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.
7 Comply with the given contract information to erect thin joint masonry structures to the required specification.	7.1 Demonstrate the following work skills when erecting thin joint masonry structures: – measuring, marking out, cutting, preparing, laying, positioning and securing.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	7.2 Erect thin joint masonry block structures to given working instructions for three of the following: – cavity wall structures – solid wall structures – form door and window openings - mix jointing compounds.
	7.3 Safely use materials, hand tools, portable power tools and ancillary equipment.
	7.4 Safely store the materials, tools and equipment used when erecting thin joint masonry structures.
	7.5 Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: – erect cavity walling and solid walling using thin joint blocks – determine thin joint block bonds – level bed (course one) – form openings for doors and windows – position damp-proof barriers – position and fix ties – mix jointing compound – work with plant and machinery – use hand tools, power tools and equipment – work at height - use access equipment.
	7.6 Describe the needs of other occupations and how to effectively communicate within a team when erecting thin joint masonry structures.
	7.7 Describe how to maintain the tools and equipment used when erecting thin joint masonry structures.

Assessment

This unit must be assessed in a work environment, in accordance with the Construction Skills Consolidated Assessment Strategy.

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 Construction Skills Consolidated Assessment Strategy.

Workplace evidence of skills cannot be simulated.

This unit must be assessed against three of the following endorsements:

– Cavity wall structures
– Solid wall structures
– Form door and window openings
- Mix jointing compounds.

Unit K/503/9538
Maintaining Slate and Tile Roofing in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to the work and resources when maintaining slate and tile roofing.	1.1 Interpret and extract relevant information from drawings, risk assessments, method statements, specifications, schedules 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, risk assessments, method statements, specifications, schedules, manufacturers' information and regulations governing buildings.
2 Know how to comply with relevant legislation and official guidance when maintaining slate and tile roofing.	2.1 Describe their responsibilities regarding potential accidents and health hazards, whilst working: – 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. 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.
3 Maintain safe and healthy working practices when maintaining slate and tile roofing.	3.1 Use health and safety control equipment and access equipment safely to carry out the activity in accordance with current legislation and organisational requirements when maintaining slate and tile roofing. 3.2 Comply with information relating to specific risks to health when maintaining slate and tile roofing. 3.3 Explain why and when health and safety control equipment, identified by the principles of protection, should be used, relating to maintaining slate and tile roofing, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV). 3.4 Describe how the relevant health and safety control equipment should be used in accordance with the given instructions.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	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 hazards.
4 Select the required quantity and quality of resources for the methods of work to maintain slate and tile roofing.	4.1 Select resources associated with own work in relation to materials, components and fixings, and tools and equipment. 4.2 Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: – slates, tiles, battens, underlays, sand, cement, limes, vents, lead, additives, guttering, downpipes and fixings - hand and/or powered tools and equipment. 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 maintain slate and tile roofing.
5 Minimise the risk of damage to the work and surrounding area when maintaining slate and tile roofing.	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, manufacturers' information, statutory regulations and official guidance.
6 Complete the work within the allocated time when maintaining slate and tile roofing.	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: – types of progress charts, timetables and estimated times organisational procedures for reporting circumstances which will affect the work programme.
7 Comply with the given contract information to maintain slate and tile	7.1 Demonstrate the following work skills when maintaining slate and tile roofing: – measuring, marking out, removing, fitting, positioning and securing.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
roofing to the required specification.	7.2 Repair specified roof areas to given working instructions for four of the following: – slate roofs (local material and style) – tiled roofs (local material and style) – flashings – roof ventilation - rainwater goods. 7.3 Safely use materials, hand tools, portable power tools and ancillary equipment. 7.4 Safely store the materials, tools and equipment used when maintaining slate and tile roofing. 7.5 Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: – remove existing battens, underlays, slates and tiles – replace new battens and underlays – remove, replace and treat lead work/flashings (patination oil) – re-point – position and secure roof ventilation – remove and replace guttering and downpipes – mix mortar – work with plant and machinery – use hand tools, power tools and equipment – work at height - use access equipment. 7.6 Describe the needs of other occupations and how to effectively communicate within a team when maintaining slate and tile roofing. 7.7 Describe how to maintain the tools and equipment used when maintaining slate and tile roofing.

Assessment

This unit must be assessed in a work environment, in accordance with the Construction Skills Consolidated Assessment Strategy.

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 Construction Skills Consolidated Assessment Strategy.

Workplace evidence of skills cannot be simulated.

This unit must be assessed against four of the following endorsements:

– slate roofs
– tiled roofs
– flashings
– roof ventilation
  rainwater goods.

Unit L/503/9550
Repairing and Maintaining Masonry Structures in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to the work and resources when repairing and maintaining masonry structures.	1.1 Interpret and extract relevant information from drawings, risk assessments, method statements, specifications, schedules 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, risk assessments, method statements, specifications, schedules, manufacturers' information and regulations governing buildings.
2 Know how to comply with relevant legislation and official guidance when repairing and maintaining masonry structures.	2.1 Describe their responsibilities regarding potential accidents and health hazards, whilst working: – 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. 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.
3 Maintain safe and healthy working practices when repairing and maintaining masonry structures.	3.1 Use health and safety control equipment and access equipment safely to carry out the activity in accordance with current legislation and organisational requirements when repairing and maintaining masonry structures. 3.2 Comply with information relating to specific risks to health when repairing and maintaining masonry structures. 3.3 Explain why and when health and safety control equipment, identified by the principles of protection, should be used, relating to repairing and maintaining masonry structures, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV). 3.4 Describe how the relevant health and safety control equipment should be used in accordance with the given instructions.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	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 hazards.
4 Select the required quantity and quality of resources for the methods of work to repair and maintain masonry structures.	4.1 Select resources associated with own work in relation to materials, components and fixings, and tools and equipment.
	4.2 Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: – bricks, blocks, natural stones, mortars, sand, lime, additives, frames, insulation, damp-proof barriers, lintels, fixings and ties - hand and/or powered tools and equipment.
	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 repair and maintain masonry structures.
5 Minimise the risk of damage to the work and surrounding area when repairing and maintaining masonry structures.	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, manufacturers' information, statutory regulations and official guidance.
6 Complete the work within the allocated time when repairing and maintaining masonry structures.	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: – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
7 Comply with the given contract information to repair and maintain masonry structures to the required specification.	7.1 Demonstrate the following work skills when repairing and maintaining masonry structures: – measuring, marking out, removing, laying, positioning and securing. 7.2 Repair and maintain existing brick, and/or block masonry and/or local style structures to given working instructions for three of the following: – match existing materials – continue existing bonding – match existing quality of structure – form openings – prop existing walls and floors - form internal and external angles. 7.3 Safely use materials, hand tools, portable power tools and ancillary equipment. 7.4 Safely store the materials, tools and equipment used when repairing and maintaining masonry structures. 7.5 Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: – repair and maintain existing masonry structures in brick, traditional and thin joint blocks or local materials and styles – form joint finishes – form openings – prop existing walls and floors – form internal and external angles – dress surfaces – form finishes – mortar mix ratios (volume, gauge boxes and colour) – work with plant and machinery – use hand tools, power tools and equipment – work at height - use access equipment. 7.6 Describe the needs of other occupations and how to effectively communicate within a team when repairing and maintaining masonry structures. 7.7 Describe how to maintain the tools and equipment used when repairing and maintaining masonry structures.

Assessment

This unit must be assessed in a work environment, in accordance with the Construction Skills Consolidated Assessment Strategy.

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 Construction Skills Consolidated Assessment Strategy.

Workplace evidence of skills cannot be simulated.

This unit must be assessed against **one** of the following endorsements:

Brick
Block
Local style

Plus against **three** of the following:

Match existing materials
Continue existing bonding
Match existing quality of structure
Form openings
Prop existing walls and floors
Form internal and external angles

Unit R/600/7693
Producing Internal Solid Plastering Finishes in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to the work and resources when producing internal solid plastering finishes.	1.1 Interpret and extract information from drawings, specifications, schedules and manufacturers' information. 1.2 Comply with information and/or instructions derived from risk assessments and 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: – drawings, specifications, schedules, manufacturers' information and regulations governing buildings.
2 Know how to comply with relevant legislation and official guidance when producing internal solid plastering finishes.	2.1 Describe their responsibilities under current legislation and official guidance whilst working: – 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. 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 producing internal solid plastering finishes.	3.1 Use personal protective equipment (PPE) and access equipment/working platforms safely to carry out the activity in accordance with legislation and organisational requirements when producing internal solid plastering finishes. 3.2 Explain why and when personal protective equipment (PPE) should be used, relating to producing internal solid plastering finishes, 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.
4 Select the required quantity and quality of resources for the methods of work to produce internal solid plastering finishes.	4.1 Describe the characteristics, quality, uses, limitations and defects associated with the resources in relation to: – undercoat and finishing plasters, sands, limes, cement and additives – beads and trims, scrim and tapes – manufactured boards and expanded metal lath (EML) – hand and/or powered tools and equipment.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	4.2 Select resources associated with own work in relation to materials, 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 produce internal solid plastering finishes.
5 Minimise the risk of damage to the work and surrounding area when producing internal solid plastering finishes.	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 producing internal solid plastering finishes.	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: – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.
7 Comply with the given contract information to produce internal solid plastering finishes to the required specification.	7.1 Demonstrate the following work skills when: – measuring, marking out, preparing, mixing, applying and finishing.
	7.2 Prepare materials and apply internal plasterwork to contractor's working instructions: – one-coat work (finishing plasters) – two-coat work – internal and external angle – reveals, cills and soffits (door and/or windows) – expanded metal lath (EML) strips.
	7.3 Describe how to apply safe work practices, follow procedures, report problems and establish the authority needed to rectify them, to: – prepare backgrounds – install expanded metal lath (EML) – apply and finish one- and two-coat plasterwork to internal solid backgrounds, EML and manufactured board walls and ceilings – form internal and external angles, reveals and expansion joints

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	– mix plaster – work at height – use hand tools, power tools and equipment. 7.4 Safely use and store hand tools, portable power tools and ancillary equipment. 7.5 State the needs of other occupations and how to communicate within a team when producing internal solid plastering finishes. 7.6 Describe how to maintain the tools and equipment used when producing internal solid plastering finishes.

Assessment

This unit must be assessed in a work environment, in accordance with the Construction Skills Consolidated Assessment Strategy.

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 Construction Skills Consolidated Assessment Strategy.

Assessors for this unit must use a combination of the following assessment methods:

– observation of normal work activities within the workplace that clearly confirms the required skills
– questioning the learner on knowledge criteria that clearly confirms the required understanding
– review other forms of evidence that can clearly confirm industry required skills, knowledge and understanding.

Workplace evidence of skills cannot be simulated except for the following item from assessment criteria 7.2:
– expanded metal lath (EML) strips.

Unit D/600/7695
Producing External Solid Render Finishes in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to the work and resources when producing external solid render finishes.	1.1 Interpret and extract information from drawings, specifications, schedules and manufacturers' information. 1.2 Comply with information and/or instructions derived from risk assessments and 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: – drawings, specifications, schedules, manufacturers' information and regulations governing buildings.
2 Know how to comply with relevant legislation and official guidance when producing external solid render finishes.	2.1 Describe their responsibilities under current legislation and official guidance whilst working: – 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. 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 producing external solid render finishes.	3.1 Use personal protective equipment (PPE) and access equipment/working platforms safely to carry out the activity in accordance with legislation and organisational requirements when producing external solid render finishes. 3.2 Explain why and when personal protective equipment (PPE) should be used, relating to producing external solid render finishes, 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.
4 Select the required quantity and quality of resources for the methods of work to produce external solid render finishes.	4.1 Describe the characteristics, quality, uses, limitations and defects associated with the resources in relation to: – renders, sands, limes, cement and additives – bellcasts and beads – expanded metal lath (EML) – hand and/or powered tools and equipment. 4.2 Select resources associated with own work in relation to materials, tools and equipment.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	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 produce external solid render finishes.
5 Minimise the risk of damage to the work and surrounding area when producing external solid render finishes.	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 producing external solid render finishes.	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: – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.
7 Comply with the given contract information to produce external solid render finishes to the required specification.	7.1 Demonstrate the following work skills when – measuring, marking out, mixing, applying and finishing.
	7.2 Prepare materials and apply render to external backgrounds to contractor's working instructions for: – brick and/or block and/or concrete surfaces – bellcasts – internal and external angles – reveals – walls – installation of expanded metal lath (EML).
	7.3 Describe how to apply safe work practices, follow procedures, report problems and establish the authority needed to rectify them, to: – prepare backgrounds – apply and finish multiple coat render to external walls – form internal and external angles, reveals, expansion joints and bellcasts – position and secure expanded metal lath (EML) – mix rendering – work at height – use hand tools, power tools and equipment.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	7.4 Safely use and store hand tools, portable power tools and ancillary equipment. 7.5 State the needs of other occupations and how to communicate within a team when producing external solid render finishes. 7.6 Describe how to maintain the tools and equipment used when producing external solid render finishes

Assessment

This unit must be assessed in a work environment, in accordance with the Construction Skills Consolidated Assessment Strategy.

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 Construction Skills Consolidated Assessment Strategy.

Assessors for this unit must use a combination of the following assessment methods:

– observation of normal work activities within the workplace that clearly confirms the required skills
– questioning the learner on knowledge criteria that clearly confirms the required understanding
– review other forms of evidence that can clearly confirm industry required skills, knowledge and understanding.

Workplace evidence of skills cannot be simulated except for the following item from assessment criteria 7.2:

– installation of expanded metal lathe (EML).

Unit R/504/6774
Placing and Finishing Non-specialist Concrete in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to the work and resources when placing and finishing non-specialist concrete.	1.1 Interpret and extract relevant information from drawings, risk assessments, method statements, specifications, schedules 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, risk assessments, method statements, specifications, schedules, manufacturers' information and current regulations associated with placing and finishing non-specialist concrete.
2 Know how to comply with relevant legislation and official guidance when placing and finishing non-specialist concrete.	2.1 Describe their responsibilities regarding potential accidents and health hazards, whilst working: – 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. 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.
3 Maintain safe and healthy working practices when placing and finishing non-specialist concrete.	3.1 Use health and safety control equipment safely to carry out the activity in accordance with current legislation and organisational requirements when placing and finishing non-specialist concrete. 3.2 Comply with information relating to specific risks to health when placing and finishing non-specialist concrete. 3.3 Explain why and when health and safety control equipment, identified by the principles of protection, should be used, relating to placing and finishing non-specialist concrete, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV). 3.4 Describe how the relevant health and safety control equipment should be used in accordance with the given instructions.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	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 hazards.
4 Select the required quantity and quality of resources for the methods of work to place and finish non-specialist concrete.	4.1 Select resources associated with own work in relation to materials, components and fixings, and tools and equipment.
	4.2 Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: – concrete, fabric reinforcement, timber, plywood, proprietary slab edgings and fixings - hand tools and equipment.
	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 place and finish non-specialist concrete.
5 Minimise the risk of damage to the work and surrounding area when placing and finishing non-specialist concrete.	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, manufacturers' information, statutory regulations and official guidance.
6 Complete the work within the allocated time when placing and finishing non-specialist concrete.	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: – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.
7 Comply with the given contract information to place and finish non-specialist	7.1 Demonstrate the following work skills when placing and finishing non-specialist concrete: – measuring, marking out, laying, compacting, finishing, positioning and securing.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
concrete to the required specification.	7.2 Lay and finish concrete to given working instructions for three of the following: – concrete slabs/bases (footing, oversites or paths) – form slab edging – position reinforcement form surface finish (tamped, floated, brushed and trowelled). 7.3 Safely use materials, hand tools and ancillary equipment. 7.4 Safely store the materials, tools and equipment used when placing and finishing non-specialist concrete. 7.5 Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: – handle, transport and test concrete – transport, lay, compact, cure and protect concrete with tamped, floated, brushed and trowelled finishes – cure and protect – place fabric reinforcement – concrete mix ratios (volume and gauge boxes) – place concrete into formwork and shuttering – form slab edging – work with plant and machinery - use hand tools and ancillary equipment. 7.6 Describe the needs of other occupations and how to effectively communicate within a team when placing and finishing non-specialist concrete. 7.7 Describe how to maintain the tools and equipment used when placing and finishing non-specialist concrete.

Assessment

This unit must be assessed in a work environment, in accordance with the Construction Skills Consolidated Assessment Strategy.

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 Construction Skills Consolidated Assessment Strategy.

Workplace evidence of skills cannot be simulated.

This unit must be assessed against three of the following endorsements:
– Concrete slabs/bases
– Form slab edging
– Position reinforcement
Form surface finish.

Unit Y/504/6775
Installing Drainage in the Workplace

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
1 Interpret the given information relating to the work and resources when installing drainage.	1.1 Interpret and extract relevant information from drawings, risk assessments, method statements, specifications, schedules 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, risk assessments, method statements, specifications, schedules, manufacturers' information and regulations governing the installation and construction of drainage systems.
2 Know how to comply with relevant legislation and official guidance when installing drainage.	2.1 Describe their responsibilities regarding potential accidents and health hazards, 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 and 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 and operative. 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 drainage.	3.1 Use health and safety control equipment and access equipment safely to carry out the activity in accordance with current legislation and organisational requirements when installing drainage. 3.2 Comply with information relating to specific risks to health when installing drainage. 3.3 Explain why and when health and safety control equipment, identified by the principles of protection, should be used, relating to installing drainage, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV). 3.4 Describe how the relevant health and safety control equipment should be used in accordance with the given instructions.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
	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 hazards.
4 Select the required quantity and quality of resources for the methods of work to install drainage.	4.1 Select resources associated with own work in relation to materials, components and fixings, and tools and equipment.
	4.2 Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: – pipes, fittings and ancillary components – pre-cast (metal, concrete, clay or plastic) components – bricks, blocks and sandbags – granular materials, aggregates, cement, concrete, mortars and sand – sealant materials (adhesives, compounds, solvents) hand and/or powered tools and equipment.
	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 drainage.
5 Minimise the risk of damage to the work and surrounding area when installing drainage.	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, manufacturers' information, statutory regulations and official guidance.
6 Complete the work within the allocated time when installing drainage.	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: – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.
7 Comply with the given contract information to	7.1 Demonstrate the following work skills when installing drainage: – measuring, marking out, laying, positioning, fitting, levelling, plumbing, aligning, securing and testing.

Learning Outcome - The learner will:	Assessment Criterion - The learner can:
install drainage to the required specification.	7.2 Install and test new and/or replacement, foul and/or surface water drainage for two of the following to given working instructions: – pipework (e.g. clay, concrete, metal, or plastic) – inspection chambers (e.g. brick, concrete, metal or plastic) – surface water systems (e.g. cells, culverts, high capacity, linear, balancing ponds, interceptors, recycling equipment, soak-a-ways, sustainable urban drainage systems) - foul water systems (e.g. cess pools, septic tanks, reed beds, treatment plants). 7.3 Safely use materials, hand tools, portable power tools and ancillary equipment. 7.4 Safely store the materials, tools and equipment used when installing drainage. 7.5 Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: – excavate trenches and provide trench support – confirm ground conditions, site and excavations are suitable for the drainage installation work – prepare bedding for pipework – determine levels and gradients – identify the differences between surface and foul water drainage – lay, position, level, plumb, align, fit, fix and secure new and replacement drainage systems – construct structures of a drainage system (storm alleviation, culverts, inspection chambers, lateral drains, overflows, sumps, filter drains, sustainable urban drainage systems) 7.6 Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: – assemble pre-cast components (metal, concrete, clay and plastic) of a drainage system structure (inspection chambers, street iron work) – connect and seal new systems to existing systems – conduct smoke, water, ball, air mandrel and close circuit television tests on drainage systems – work with plant and machinery – use hand tools, power tools and equipment – work at height and below ground level use access equipment. 7.7 Describe the needs of other occupations and how to effectively communicate within a team when installing drainage. 7.8 Describe how to maintain the tools and equipment used when installing drainage.

Assessment

This unit must be assessed in a work environment, in accordance with the Construction Skills Consolidated Assessment Strategy.

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 Construction Skills Consolidated Assessment Strategy.

Workplace evidence of skills cannot be simulated.

This unit must be assessed against two of the following endorsements:

– Pipework
– Inspection chambers
– Surface water systems
  Foul water systems.

ProQual Awarding Body
ProQual House
Westbridge Court
Annie Med Lane
South Cave
HU15 2HG

Tel: 01430 423822

www.proqualab.com

enquiries@proqualab.com