



PART OF **nocn** GROUP

QUALIFICATION SPECIFICATION

NOCN_Cskills Awards Level 2 NVQ
Diploma in Trowel Occupations
(Construction) - Bricklaying

Qualification No: **603/5460/4**

Operational Start Date

7th July 2020

To know more about NOCN:

- Visit the NOCN website: www.nocn.org.uk
- Call the Customer Service Team: 0300 999 1177

NOCN_Cskills Awards Level 2 NVQ Diploma in Trowel Occupations (Construction) - Bricklaying

Reference : 603/5460/4

Total Qualification Time (TQT) : 670

Award Code : QUA813

Minimum Age : 16

Level : Level 2

Registration Start Date : 1/8/2020

Qualification Overview

The NOCN_Cskills Awards Level 2 NVQ Diploma in Trowel Occupations (Construction) -Bricklaying qualification has been developed for achievement in a real workplace environment which means the learner must be employed to undertake this qualification.

This qualification enables the learner, to recognise their skills, knowledge and understanding as well as demonstrating their competence in the workplace when carrying out the role of a Bricklayer within the construction industry.

Topics Covered In This Qualification

This NOCN_Cskills Awards Level 2 NVQ Diploma in Trowel Occupations (Construction) -Bricklaying qualification supports the learner to attain enabling, fundamental and transferable practical skills with associated underpinning knowledge.

The learner will learn key practical skills and knowledge in these mandatory and optional units

Please refer to the qualification specification for a complete list of the units included in this qualification.

Entry Requirements

There are no formal entry requirements to take this NOCN_Cskills Awards Level 2 NVQ Diploma in Trowel Occupations (Construction) -Bricklaying qualification. This qualification can be undertaken without any previous training or qualifications in this subject area.

Progression

On completion of the NOCN_Cskills Awards Level 2 NVQ Diploma in Trowel Occupations (Construction) -Bricklaying qualification the learner will have obtained the skills, knowledge and understanding and demonstrated competence to progress on to a higher level qualification in the same or similar occupational area.

Further training and/or experience could enable entry into supervisory and management positions within the workplace.

Industry will accept the qualification on its own as entry to a job role.

Qualification Structure

Total Qualification Time (TQT) for this qualification: 670

An estimate of the total time it could reasonably be expected for a learner to achieve a qualification. TQT includes guided learning hours (GLH) plus an estimate of the time a learner is likely to spend in preparation, study or other learning activities as directed by but not under the immediate guidance of a lecturer, supervisor, or tutor.

Minimum Guided Learning Hours (GLH) for this qualification: 334

The time a learner spends in activities under the immediate guidance or supervision of a lecturer, supervisor, or tutor. This includes assessment if under supervision.

Qualification Structure:

The NOCN_Cskills Awards Level 2 NVQ Diploma in Trowel Occupations (Construction) -Bricklaying qualification structure below specifies the combination of units that need to be achieved for the individual to be awarded the qualification.

This qualification consists of five (5) mandatory units and six (6) optional units.

In order to achieve/pass this qualification learners must successfully complete/achieve all five (5) Mandatory units and one (1) Optional unit.

Units

Qualification Structure : To achieve this qualification a minimum of 6 units needs to be attained. This comprises of 5 units in the Mandatory Group, plus a minimum of at least 1 unit from the Optional Group.

Mandatory Group : The learner must achieve 5 units in this group.

Title	Reference	Credit Value	Level
Setting Out to Form Masonry Structures in the Workplace	R/617/9383	23	Level 2
Moving, Handling and Storing Resources in the Workplace	F/503/1171	5	Level 2
Erecting masonry structures in the workplace	L/617/9382	31	Level 2
Conforming to Productive Working Practices in the Workplace	J/503/1169	3	Level 2
Conforming to General Health, Safety and Welfare in the Workplace	A/503/1170	2	Level 1

Optional Group : The learner must achieve a minimum of 1 unit in this group.

Title	Reference	Credit Value	Level
Repairing and maintaining masonry structures in the workplace	M/617/9391	25	Level 3
Placing and Compacting Concrete in the Workplace	M/615/6032	11	Level 2
Installing drainage in the workplace	F/617/1425	19	Level 2
Installing and Forming Specialist Masonry Elements in the Workplace	J/617/9400	21	Level 3
Erecting Thin Joint Masonry Structures in the Workplace	D/617/9385	24	Level 2
Erecting Masonry Cladding in the Workplace	Y/617/9384	24	Level 2

Qualification Assessment & Grading

The learner will be assessed against a set of performance and knowledge statements which have been derived from National Occupational Standards for your occupational area (Recommended Qualification Structure (RQS) for Trowel Occupations (Construction) Level 2). The learner will be assessed by an occupationally competent and qualified assessor whose job is to work with the learner and help the learner complete the qualification. The learner will be required to produce a Portfolio of Evidence showing how you have met the performance and knowledge criteria for each unit required within the qualification, as directed by your assessor. In order to achieve/pass this qualification learners must successfully complete/achieve all five (5) Mandatory units and one (1) Optional unit.

Fair & Equitable Assessment

Assessments designed by centres must be accessible and inclusive and the assessment methodology must be appropriate for individual assessment, giving due consideration to any assessment requirements attached to individual components.

Learners with Particular Requirements

If you are a NOCN Recognised Centre and have learners with particular requirements, please see the **NOCN Reasonable Adjustment and Special Considerations Policy and Procedure** found on the NOCN website at www.nocn.org.uk

This policy gives clear guidance on the reasonable adjustments and arrangements that can be made to take account of disability or learning difficulty without compromising the assessment criteria.

The NOCN Centre approval process requires the centre to hold policy statements on Equal Opportunities, Diversity and Disability Discrimination which will be reviewed by NOCN. Please refer to the [NOCN Quality Assurance Manual](#) for further details.

Recognition of Prior Learning

Recognising Prior Learning is an assessment process that recognises learning that has its origins in a learner's experience and/or previous formal and informal learning contexts. This includes knowledge and skills gained within school, college, university and outside formal learning situations such as through life, employment, apprenticeships and other work experiences.

NOCN is committed to the Recognition of Prior Learning (RPL) and has developed a policy and procedures to inform and support Centres. This is available on the NOCN website at www.nocn.org.uk.

Centre Requirements

In order to gain and retain NOCN qualification approval status, centres must continue to meet the required standards of NOCN regarding internal management and systems, delivery staff, resources and equipment, assessment and training, internal quality assurance and external assessment arrangements. Each requirement is detailed as one of NOCN's Approval Criteria.

For a full list of NOCN Approval Criteria, as well as further guidance and support in meeting that criteria, please refer to the NOCN Quality Assurance Manual, available on the NOCN website under the 'Help & Support' section.

Centre Staff Requirements

As part of the requirement to deliver this qualification, the Centre staff involved with the delivery, assessment and quality assurance of the qualification must have a demonstrable level of expertise. NOCN expects that all Tutors/Trainers, Assessors and Internal Quality Assurers are able to demonstrate that they have the relevant occupational knowledge and experience to perform their role.

Tutor/Trainer and Assessor Requirements

A Tutor/Trainer includes anyone within your Centre who is facilitating the training to learners in any environment e.g. tutor, trainer, teacher, coach, facilitator.

A Tutor is not required for NOCN NVQ qualifications, but is required for construction training diplomas. All construction qualifications require an Assessor. For training diplomas, an individual can perform both roles of Tutor/Trainer and Assessor, where they meet the individual requirements for both. Tutors/Trainers and Assessors are not able to perform the role of the Internal Quality Assurer for cohorts where they have delivered training or assessment.

All Tutors/Trainers and Assessors must:

- Hold verifiable knowledge of the occupational standards at or above the level being taught.
- Hold a recognised teaching/training or assessor qualification (dependent on their role), examples of what NOCN will accept are detailed within the Quality Assurance Manual.
- Keep up to date with industry best practice for the duration of their role.
- Maintain a record of Continuous Personal Development (CPD).
- Hold an up to date CV.

Any specific assessment/training requirements are detailed under the Assessment guidance and/or in the requirements section of each unit.

Internal Quality Assurer Requirements

All construction qualifications must be internally quality assured by an appropriately qualified and experienced IQA. Each Centre must have a quality system which ensures that decisions made by assessors are appropriate, consistent, fair and transparent, and that they do not discriminate any learner. The quality system must ensure the quality of the award, ensuring validity, reliability and consistency.

Further guidance regarding the requirements of a Centre's quality system is detailed within the Quality Assurance Manual.

All Internal Quality Assurers must:

- Hold verifiable knowledge of the occupational standards at or above the level they are quality assuring.
- Hold a recognised internal quality assurance qualification (for NVQs only), examples of what NOCN will accept are detailed within the Quality Assurance Manual.
- Understand the content, structure, assessments and training/testing requirements of the units they are quality assuring.
- Keep up to date with industry best practice for the duration of their role.
- Maintain a record of Continuous Personal Development (CPD).
- Hold an up to date CV.

Resources and Equipment

For training diplomas, centres must have the resource available for the assessment and training requirements as set out by the relevant health and safety acts. There should be adequate provision of physical resources to support the learning and meet the requirements of the qualification/training.

Please refer to the specific resources and equipment specification for each individual training diploma.

External Quality Assurance

Once recognised as a Centre, NOCN will allocate an External Quality Assurer. The External Quality Assurer will have ongoing responsibility for monitoring the Centre's compliance with the requirements of Centre approval status.

The External Quality Assurer will make regular visits to all centres. During these visits they will:

- Monitor the Centre's compliance with the Centre approval criteria by reviewing course documentation, meeting managers, tutors, internal quality assurers, learners, and administrative staff.
- Review the standard of the Centre's assessment and internal quality assurance practices and decisions to determine whether all assessment requirements are met to support safe and valid claims for certification.

Refer to the **NOCN Quality Assurance Manual** for further information on the External Quality Assurance process.

Offering This Qualification

Existing Centres

If you are already recognised to offer NOCN qualifications and would like more information about offering these qualifications, please contact: business-enquiries@nocn.org.uk, alternatively use Horizon to add the qualification to your Centre.

New Centres

If you are interested in offering these qualifications, but are not yet a NOCN Approved Centre and would like more information about becoming a NOCN centre and offering these qualifications please see **Become a Registered Centre** on our website <https://www.nocn.org.uk/customers/nocn-centres/> and click Become a Centre.

Conforming to General Health, Safety and Welfare in the Workplace

Reference : A/503/1170

Level : Level 1

Credit Value : 2

Guided Learning Hours : 7

Grading Type : Pass/Fail

Aim : The aim of this unit is to illustrate the skills, knowledge and understanding required to confirm competence in conforming to general health, safety and welfare in the workplace within the relevant sector of industry.

Learning Outcomes		Assessment Criteria
The Learner Will		The Learner Can
1	Comply with all workplace health, safety and welfare legislation requirements.	<ul style="list-style-type: none"> • 1.1. · Comply with information from workplace inductions and any health, safety and welfare briefings attended relevant to the occupational area. • 1.2. · Use health and safety control equipment safely to carry out the activity in accordance with legislation and organisational requirements. • 1.3. · Comply with statutory requirements, safety notices and warning notices displayed within the workplace and/or on equipment. • 1.4. · State why and when health and safety control equipment, identified by the principles of protection, should be used relating to types, purpose and limitations of each type, the work situation, occupational use and the general work environment, in relation to: <ul style="list-style-type: none"> · 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.	<ul style="list-style-type: none"> • 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

		<ul style="list-style-type: none"> • cause hazards. • 2.6. <ul style="list-style-type: none"> · State the methods used for reporting changed circumstances, hazards and incidents in the workplace.
<p>3</p>	<p>Comply with organisational policies and procedures to contribute to health, safety and welfare.</p>	<ul style="list-style-type: none"> • 3.1. <ul style="list-style-type: none"> · Interpret and comply with given instructions to maintain safe systems of work and quality working practices. • 3.2. <ul style="list-style-type: none"> · Contribute to discussions by offering/providing feedback relating to health, safety and welfare. • 3.3. <ul style="list-style-type: none"> · Contribute to the maintenance of workplace welfare facilities in accordance with workplace welfare procedures. • 3.4. <ul style="list-style-type: none"> · Safely store health and safety control equipment in accordance with given instructions. • 3.5. <ul style="list-style-type: none"> · Dispose of waste and/or consumable items in accordance with legislation. • 3.6. <ul style="list-style-type: none"> · State the organisational policies and procedures for health, safety and welfare, in relation to: <ul style="list-style-type: none"> · 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. <ul style="list-style-type: none"> · State the appropriate types of fire extinguishers relevant to the work. • 3.8. <ul style="list-style-type: none"> · State how and when the different types of fire extinguishers are used in accordance with legislation and official guidance.
<p>4</p>	<p>Work responsibly to contribute to workplace health, safety and welfare whilst carrying out work in the relevant occupational area.</p>	<ul style="list-style-type: none"> • 4.1. <ul style="list-style-type: none"> · Demonstrate behaviour which shows personal responsibility for general workplace health, safety and welfare. • 4.2. <ul style="list-style-type: none"> · State how personal behaviour demonstrates responsibility for general workplace health, safety and welfare, in relation to: <ul style="list-style-type: none"> · 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. <ul style="list-style-type: none"> · Give examples of how the behaviour and actions of individuals could affect others within the workplace.
<p>5</p>	<p>Comply with and support all organisational security arrangements and approved procedures.</p>	<ul style="list-style-type: none"> • 5.1. <ul style="list-style-type: none"> · Provide appropriate support for security arrangements in accordance with approved procedures: <ul style="list-style-type: none"> · 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 guidance and/or requirements : This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment. Please refer to the hyperlink for clarity - <https://www.citb.co.uk/qualifications-standards/qualification-framework/>

Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.

Workplace evidence of skills cannot be simulated.

Additional Information on the Assessment of CITB NVQ Unit 641

The information below should help awarding organisations incorporate relevant parts of the assessment strategy principles' requirements in their documentation for construction and built environment NVQs. The following guidance is strongly recommended for adoption by awarding organisations in their assessment methodology.

As stated in the guidance as set in Appendix B of the 'ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment'

CITB NVQ Unit Ref: 641 – Assessment Criteria 2.3 and 2.4

2.3 – 'List the current Health and Safety Executive top ten safety risks' should be assessed as 'List the current common safety risks'.

2.4 - 'List the current Health and Safety Executive top five health risks' should be assessed as 'List the current common health risks

All CITB NVQ units – Assessment Criteria 1.4

1.4 – 'State why and when health and safety control equipment, identified by the principles of protection' should be assessed as 'State why and when health and safety control equipment, identified by the principles of prevention'.

Conforming to Productive Working Practices in the Workplace

Reference : J/503/1169

Level : Level 2

Credit Value : 3

Guided Learning Hours : 10

Grading Type : Pass/Fail

Aim : The aim of this unit is to illustrate the skills, knowledge and understanding required to confirm competence in conforming to productive work practices in the workplace within the relevant sector of industry.

Learning Outcomes		Assessment Criteria
The Learner Will		The Learner Can
1	Communicate with others to establish productive work practices.	<ul style="list-style-type: none"> • 1.1. <ul style="list-style-type: none"> · Communicate in an appropriate manner with line management, colleagues and/or customers to ensure that work is carried out productively. • 1.2. <ul style="list-style-type: none"> · Describe the different methods of communicating with line management, colleagues and customers. • 1.3. <ul style="list-style-type: none"> · Describe how to use different methods of communication to ensure that the work carried out is productive.
2	Follow organisational procedures to plan the sequence of work.	<ul style="list-style-type: none"> • 2.1. <ul style="list-style-type: none"> · Interpret relevant information from organisational procedures in order to plan the sequence of work. • 2.2. <ul style="list-style-type: none"> · Plan the sequence of work, using appropriate resources, in accordance with organisational procedures to ensure work is completed productively. • 2.3. <ul style="list-style-type: none"> · Describe how organisational procedures are applied to ensure work is planned and carried out productively, in relation to: <ul style="list-style-type: none"> · using resources for own and other's work requirements · allocating appropriate work to employees · organising the work sequence · reducing carbon emissions. • 2.4. <ul style="list-style-type: none"> · Describe how to contribute to zero/low carbon work outcomes within the built environment.
3	Maintain relevant records in accordance with the organisational procedures.	<ul style="list-style-type: none"> • 3.1. <ul style="list-style-type: none"> · Complete relevant documentation according to the occupation as required by the organisation. • 3.2. <ul style="list-style-type: none"> · Describe how to complete and maintain documentation in accordance with organisational procedures, in relation to: <ul style="list-style-type: none"> · job cards · worksheets · material/resource lists · time sheets. • 3.3. <ul style="list-style-type: none"> · Explain the reasons for ensuring documentation is completed clearly and within given timescales.
4	Maintain good working relationships when conforming to	<ul style="list-style-type: none"> • 4.1.

productive working practices.

- Carry out work productively, to the agreed specification, in conjunction with line management, colleagues, customers and/or other relevant people involved in the work to maintain good working relationships.
- 4.2.
 - Apply the principles of equality and diversity and respect the needs of individuals when communicating and working with others.
- 4.3.
 - Describe how to maintain good working relationships, in relation to:
 - individuals
 - customer and operative
 - operative and line management
 - own and other occupations.
- 4.4.
 - Describe why it is important to work effectively with line management, colleagues and customers.
- 4.5.
 - Describe how working relationships could have an effect on productive working.
- 4.6.
 - Describe how to apply principles of equality and diversity when communicating and working with others.

Assessment guidance and/or requirements : This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment. Please refer to the hyperlink for clarity - <https://www.citb.co.uk/qualifications-standards/qualification-framework/>

Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy. Workplace evidence of skills cannot be simulated.

Erecting masonry structures in the workplace

Reference : L/617/9382

Level : Level 2

Credit Value : 31

Guided Learning Hours : 150

Grading Type : Pass/Fail

Aim : The aim of this unit is to illustrate the skills, knowledge and understanding required to confirm competence in Erecting masonry structures in the workplace in the workplace within the relevant sector of industry.

Learning Outcomes		Assessment Criteria
The Learner Will		The Learner Can
1	Interpret the given information relating to the work and resources when erecting masonry structures.	<ul style="list-style-type: none"> • 1.1 <ul style="list-style-type: none"> · Interpret and extract relevant information from drawings, specifications, schedules, method statements, risk assessments and manufacturers' information. • 1.2 <ul style="list-style-type: none"> · Comply with information and/or instructions derived from risk assessments and method statements. • 1.3 <ul style="list-style-type: none"> · Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented. • 1.4 <ul style="list-style-type: none"> · Describe different types of information, their source and how they are interpreted in relation to: <ul style="list-style-type: none"> – drawings, specifications, current legislation, schedules, method statements, risk assessments, manufacturers' information, oral and written instructions, sketches, electronic data, official guidance and current regulations governing buildings associated with erecting masonry structures.
2	Know how to comply with relevant legislation and official guidance when erecting masonry structures.	<ul style="list-style-type: none"> • 2.1 <ul style="list-style-type: none"> · Describe their responsibilities potential accidents, health hazards and the environment, whilst working: <ul style="list-style-type: none"> – in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement and storage of materials by manual handling and mechanical lifting • 2.2 <ul style="list-style-type: none"> · Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company, operative and vehicles. • 2.3 <ul style="list-style-type: none"> · 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.	<ul style="list-style-type: none"> • 3.1 <ul style="list-style-type: none"> · Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements when erecting masonry structures. • 3.2 <ul style="list-style-type: none"> · Demonstrate compliance with given information and relevant legislation when erecting masonry structures in relation to the following: <ul style="list-style-type: none"> – safe use of access equipment – safe use, storage and handling of materials, tools and equipment – specific risks to health. • 3.3 <ul style="list-style-type: none"> · Explain why and when health and safety control equipment, identified by the principles of prevention should be used, relating to

		<p>erecting masonry structures, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to:</p> <ul style="list-style-type: none"> – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV). <ul style="list-style-type: none"> • 3.4 <ul style="list-style-type: none"> · Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions. • 3.5 <ul style="list-style-type: none"> · Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task related activities.
4	Select the required quantity and quality of resources for the methods of work to erect masonry structures.	<ul style="list-style-type: none"> • 4.1 <ul style="list-style-type: none"> · Select resources associated with own work in relation to materials, components, fixings, tools and equipment. • 4.2 <ul style="list-style-type: none"> · Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: <ul style="list-style-type: none"> – bricks, blocks, mortars, frames, insulation, damp · proof barriers, cloak systems, cills, copings and cappings, lintels, fixings, ties – hand and power tools, and equipment • 4.3 <ul style="list-style-type: none"> · Describe how to confirm that the resources and materials conform to the specification. • 4.4 <ul style="list-style-type: none"> · Describe how the resources should be used correctly and how problems associated with the resources are reported. • 4.5 <ul style="list-style-type: none"> · Explain why the organisational procedures have been developed and how they are used for the selection of required resources. • 4.6 <ul style="list-style-type: none"> · Describe any potential hazards associated with the resources and methods of work. • 4.7 <ul style="list-style-type: none"> · Describe how to calculate quantity, length, area and wastage of materials associated with the method and procedure to erect masonry structures.
5	Minimise the risk of damage to the work and surrounding area when erecting masonry structures.	<ul style="list-style-type: none"> • 5.1 <ul style="list-style-type: none"> · Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures. • 5.2 <ul style="list-style-type: none"> · Maintain a clear and tidy work space. • 5.3 <ul style="list-style-type: none"> · Dispose of waste in accordance with current legislation. • 5.4 <ul style="list-style-type: none"> · 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 <ul style="list-style-type: none"> · 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.	<ul style="list-style-type: none"> • 6.1 <ul style="list-style-type: none"> · Demonstrate completion of the work within the estimated allocated time. • 6.2 <ul style="list-style-type: none"> · Describe the purpose of the work programme and explain why deadlines should be kept in relation to: <ul style="list-style-type: none"> – types of productivity targets and time scales – how times are estimated – 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.	<ul style="list-style-type: none"> • 7.1 <ul style="list-style-type: none"> · Demonstrate the following work skills when erecting masonry

structures:

- measuring, marking
- out, laying, positioning, plumb, levelling and securing.
- 7.2
 - Use and maintain hand and power tools, and equipment.
- 7.3
 - 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
 - form openings
 - joint finishes
 - cills, capping and copings.
- 7.4
 - 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 material
 - erect walling of local style
 - lay blocks (traditional and thin joint)
 - determine brick and block bonds
 - form and maintain the integrity of cavities
 - install lintels
 - install movement joints
 - install wind posts
 - cut bricks, blocks and local materials
 - form joint finishes, including mechanical pointing systems
 - form openings
 - position, level, plumb, fix and integrate brick soffit systems
 - position and fix cills, copings and capping's
 - install masonry support angles
 - prop and support structures
 - complete and remove temporary works
 - position, bond and tape insulation materials
 - position, fix and bed damp
 - proof barriers, cloak systems and cavity trays
 - form and install weep holes and vents
 - install and maintain the integrity of fire barriers and breaks
 - position and secure wall ties including spacing, particularly around openings and movement joints
 - mix mortar
 - recognise and determine when specialist skills and knowledge are required and report accordingly
 - identify and follow the installation quality requirements
 - work with, around and in close proximity to plant and machinery
 - use hand and power tools, and equipment
 - work at height
 - use access equipment.
- 7.5
 - Describe the needs of other occupations and how to communicate effectively within a team when erecting masonry structures.
- 7.6
 - Describe how to maintain the tools and equipment used when erecting masonry structures.

Assessment guidance and/or requirements : This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment. Please refer to the hyperlink for clarity - <https://www.citb.co.uk/qualifications-standards/qualification-framework/>

Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.

Workplace evidence of skills cannot be simulated.

One of the following endorsements required:

- Brick and block
- Local material.

Moving, Handling and Storing Resources in the Workplace

Reference : F/503/1171

Level : Level 2

Credit Value : 5

Guided Learning Hours : 17

Grading Type : Pass/Fail

Aim : The aim of this unit is to illustrate the skills, knowledge and understanding required to confirm competence in moving, handling and storing resources in the workplace within the relevant sector of industry.

Learning Outcomes		Assessment Criteria
The Learner Will		The Learner Can
1	Comply with given information when moving, handling and/or storing resources.	<ul style="list-style-type: none"> • 1.1. · Interpret the given information relating to moving, handling and/or storing resources, relevant to the given occupation. • 1.2. · Interpret the given information relating to the use and storage of lifting aids and equipment. • 1.3. · Describe the different types of technical, product and regulatory information, their source and how they are interpreted. • 1.4. · State the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented. • 1.5. · Describe how to obtain information relating to using and storing lifting aids and equipment.
2	Know how to comply with relevant legislation and official guidance when moving, handling and/or storing resources.	<ul style="list-style-type: none"> • 2.1. · Describe their responsibilities under current legislation and official guidance whilst working: <ul style="list-style-type: none"> · in the workplace, in confined spaces, below ground level, at height, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting. • 2.2. · Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative. • 2.3. · Explain what the accident reporting procedures are and who is responsible for making the reports. • 2.4. · State the appropriate types of fire extinguishers relevant to the work. • 2.5. · Describe how and when the different types of fire extinguishers, relevant to the given occupation, are used in accordance with legislation and official guidance.
3	Maintain safe working practices when moving, handling and/or storing resources.	<ul style="list-style-type: none"> • 3.1. · Use health and safety control equipment safely to carry out the activity in accordance with legislation and organisational requirements when moving, handling and/or storing resources. • 3.2. · Use lifting aids safely as appropriate to the work. • 3.3. · Protect the environment in accordance with safe working practices as appropriate to the work. • 3.4.

		<ul style="list-style-type: none"> · Explain why and when health and safety control equipment, identified by the principles of protection, should be used, relating to moving, handling and/or storing resources, and the types, purpose and limitations of each type, the work situation, occupational use and the general work environment, in relation to: <ul style="list-style-type: none"> · collective protective measures · personal protective equipment (PPE) · respiratory protective equipment (RPE) · local exhaust ventilation (LEV). • 3.5. <ul style="list-style-type: none"> · Describe how the health and safety control equipment relevant to the work should be used in accordance with the given instructions. • 3.6. <ul style="list-style-type: none"> · 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.
<p>4</p>	<p>Select the required quantity and quality of resources for the methods of work to move, handle and/or store occupational resources.</p>	<ul style="list-style-type: none"> • 4.1. <ul style="list-style-type: none"> · Select the relevant resources to be moved, handled and/or stored, associated with own work. • 4.2. <ul style="list-style-type: none"> · Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the occupational resources in relation to: <ul style="list-style-type: none"> · lifting and handling aids · container(s) · fixing, holding and securing systems. • 4.3. <ul style="list-style-type: none"> · Describe how the resources should be handled and how any problems associated with the resources are reported. • 4.4. <ul style="list-style-type: none"> · Explain why the organisational procedures have been developed and how they are used for the selection of required resources. • 4.5. <ul style="list-style-type: none"> · Describe any potential hazards associated with the resources and methods of work.
<p>5</p>	<p>Prevent the risk of damage to occupational resources and surrounding environment when moving, handling and/or storing resources.</p>	<ul style="list-style-type: none"> • 5.1. <ul style="list-style-type: none"> · Protect occupational resources and their surrounding area from damage in accordance with safe working practices and organisational procedures. • 5.2. <ul style="list-style-type: none"> · Dispose of waste and packaging in accordance with legislation. • 5.3. <ul style="list-style-type: none"> · Maintain a clean work space when moving, handling or storing resources. • 5.4. <ul style="list-style-type: none"> · 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. <ul style="list-style-type: none"> · Explain why the disposal of waste should be carried safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance.
<p>6</p>	<p>Complete the work within the allocated time when moving, handling and/or storing resources.</p>	<ul style="list-style-type: none"> • 6.1. <ul style="list-style-type: none"> · Demonstrate completion of the work within the allocated time. • 6.2. <ul style="list-style-type: none"> · State the purpose of the work programme and explain why deadlines should be kept in relation to: <ul style="list-style-type: none"> · progress charts, timetables and estimated times · organisational procedures for reporting circumstances which will affect the work programme.

7	<p>Comply with the given occupational resource information to move, handle and/or store resources to the required guidance.</p>	<ul style="list-style-type: none"> • 7.1. <ul style="list-style-type: none"> · Demonstrate the following work skills when moving, handling and/or storing occupational resources: · moving, positioning, storing, securing and/or using lifting aids and kinetic lifting techniques. • 7.2. <ul style="list-style-type: none"> · Move, handle and/or store occupational resources to meet product information and organisational requirements relating to three of the following: · sheet material · loose material · bagged or wrapped material · fragile material · tools and equipment · components · liquids. • 7.3. <ul style="list-style-type: none"> · Describe how to apply safe work practices, follow procedures, report problems and establish the authority needed to rectify them when moving, handling and/or storing occupational resources. • 7.4. <ul style="list-style-type: none"> · Describe the needs of other occupations when moving, handling and/or storing resources.
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Assessment guidance and/or requirements : This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment. Please refer to the hyperlink for clarity - <https://www.citb.co.uk/qualifications-standards/qualification-framework/>

Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy. Workplace evidence of skills cannot be simulated.

Setting Out to Form Masonry Structures in the Workplace

Reference : R/617/9383

Level : Level 2

Credit Value : 23

Guided Learning Hours : 113

Grading Type : Pass/Fail

Aim : The aim of this unit is to illustrate the skills, knowledge and understanding required to confirm competence in Setting out to form masonry structures in the workplace within the relevant sector of industry.

Learning Outcomes		Assessment Criteria
The Learner Will		The Learner Can
1	Interpret the given information relating to the work and resources when setting out to form masonry structures.	<ul style="list-style-type: none"> • 1.1 <ul style="list-style-type: none"> · Interpret and extract relevant information from drawings, specifications, schedules, method statements, risk assessments and manufacturers' information. • 1.2 <ul style="list-style-type: none"> · Comply with information and/or instructions derived from risk assessments and method statements. • 1.3 <ul style="list-style-type: none"> · Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented. • 1.4 <ul style="list-style-type: none"> · Describe different types of information, their source and how they are interpreted in relation to: <ul style="list-style-type: none"> – drawings, specifications, current legislation, schedules, method statements, risk assessments, manufacturers' information, oral and written instructions, sketches, electronic data, official guidance and current regulations governing buildings associated with setting out to form masonry structures.
2	Know how to comply with relevant legislation and official guidance when setting out to form masonry structures	<ul style="list-style-type: none"> • 2.1 <ul style="list-style-type: none"> · Describe their responsibilities regarding potential accidents, health hazards and the environment, whilst working: <ul style="list-style-type: none"> – in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement and storage of materials by manual handling and mechanical lifting. • 2.2 <ul style="list-style-type: none"> · Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company, operative and vehicles. • 2.3 <ul style="list-style-type: none"> · Explain what the accident reporting procedures are and who is responsible for making reports.
3	Maintain safe and healthy working practices when setting out to form masonry structures.	<ul style="list-style-type: none"> • 3.1 <ul style="list-style-type: none"> · Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements when setting out to form masonry structures. • 3.2 <ul style="list-style-type: none"> · Demonstrate compliance with given information and relevant legislation when setting out to form masonry structures in relation to of the following: <ul style="list-style-type: none"> – safe use of access equipment – safe use, storage and handling of materials, tools and equipment – specific risks to health. • 3.3 <ul style="list-style-type: none"> · Explain why and when health and safety control equipment, identified by the principles of prevention should be used, relating to

		<p>setting out to form masonry structures, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to:</p> <ul style="list-style-type: none"> – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV). <ul style="list-style-type: none"> • 3.4 <ul style="list-style-type: none"> · Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions. • 3.5 <ul style="list-style-type: none"> · Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task related activities.
4	Select the required quantity and quality of resources for the methods of work to set out to form masonry structures	<ul style="list-style-type: none"> • 4.1 <ul style="list-style-type: none"> · Select resources associated with own work in relation to materials, components, fixings, tools and equipment. • 4.2 <ul style="list-style-type: none"> · Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: <ul style="list-style-type: none"> – levels, lines, trammels, templates, profiles, tape measures, pegs, squares and fixings – hand and power tools, and setting out equipment. • 4.3 <ul style="list-style-type: none"> · Describe how to confirm that the resources and materials conform to the specification. • 4.4 <ul style="list-style-type: none"> · Describe how the resources should be used correctly and how problems associated with the resources are reported. • 4.5 <ul style="list-style-type: none"> · Explain why the organisational procedures have been developed and how they are used for the selection of required resources. • 4.6 <ul style="list-style-type: none"> · Describe any potential hazards associated with the resources and methods of work. • 4.7 <ul style="list-style-type: none"> · Describe how to calculate distances, quantity, length, levels and diagonals, area and wastage of materials associated with the method and procedure to set out to form masonry structures.
5	Minimise the risk of damage to the work and surrounding area when setting out to form masonry structures	<ul style="list-style-type: none"> • 5.1 <ul style="list-style-type: none"> · Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures. • 5.2 <ul style="list-style-type: none"> · Maintain a clear and tidy work space. • 5.3 <ul style="list-style-type: none"> · Dispose of waste in accordance with current legislation. • 5.4 <ul style="list-style-type: none"> · 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 <ul style="list-style-type: none"> · 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 to form masonry structures	<ul style="list-style-type: none"> • 6.1 <ul style="list-style-type: none"> · Demonstrate completion of the work within the estimated allocated time. • 6.2 <ul style="list-style-type: none"> · Describe the purpose of the work programme and explain why deadlines should be kept in relation to: <ul style="list-style-type: none"> – types of productivity targets and time scales – how times are estimated – organisational procedures for reporting circumstances which will affect the work programme.
7	Comply with the given contract information to set out to form masonry structures to the required specification.	<ul style="list-style-type: none"> • 7.1 <ul style="list-style-type: none"> · Demonstrate the following work skills when setting out to form masonry structures:

- measuring, marking out, levelling, plumb, positioning, transferring, transposing, fixing and securing.
- 7.2
 - Use and maintain hand and power tools and setting out equipment.
- 7.3
 - Determine dimensions and positions using line, level, depth, area, height and angle to given working instructions to establish at least four of the following lines:
 - straight (180 degrees)
 - right angles (90 degrees)
 - obtuse angles (between 90 and 180 degrees including batters)
 - acute angles (between 0 and 90 degrees)
 - curves on plan
 - curves in elevation
 - openings.
- 7.4
 - Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to:
 - measure and set out to form masonry structures on level and sloping ground
 - identify and mark datum points
 - make trammels, templates and profiles
 - mark straight lines, right angles, obtuse angles, acute angles, curves on plan, curves in elevation and openings
 - set out using trammels, templates and profiles
 - plumb from ranging lines
 - transfer lines and levels (spirit level, straight edge and laser level)
 - determine convex and concave curves using pegs and line
 - recognise and determine when specialist skills and knowledge are required and report accordingly
 - identify and follow the installation quality requirements
 - work with, around and in close proximity to plant and machinery
 - use hand and power tools, and setting out equipment
 - work at height
 - use access equipment.
- 7.5
 - Describe the needs of other occupations and how to communicate effectively within a team when setting out to form masonry structures.
- 7.6
 - Describe how to maintain the tools and equipment used when setting out to form masonry structures.

Assessment guidance and/or requirements : This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment. Please refer to the hyperlink for clarity - <https://www.citb.co.uk/qualifications-standards/qualification-framework/>

Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.

Workplace evidence of skills cannot be simulated.

Four of the following endorsements required:

- Straight (180 degrees)
- Right angles (90 degrees)
- Obtuse angles (between 90 and 180 degrees including batters)
- Acute angles (between 0 and 90 degrees)
- Curves on plan
- Curves in elevation
- Openings.

Erecting Masonry Cladding in the Workplace

Reference : Y/617/9384

Level : Level 2

Credit Value : 24

Guided Learning Hours : 110

Grading Type : Pass/Fail

Aim : The aim of this unit is to illustrate the skills, knowledge and understanding required to confirm competence in Erecting masonry cladding in the workplace within the relevant sector of industry.

Learning Outcomes		Assessment Criteria
The Learner Will		The Learner Can
1	Interpret the given information relating to the work and resources when erecting masonry cladding.	<ul style="list-style-type: none"> • 1.1 <ul style="list-style-type: none"> · Interpret and extract relevant information from drawings, specifications, schedules, method statements, risk assessments and manufacturers' information. • 1.2 <ul style="list-style-type: none"> · Comply with information and/or instructions derived from risk assessments and method statements. • 1.3 <ul style="list-style-type: none"> · Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented. • 1.4 <ul style="list-style-type: none"> · Describe different types of information, their source and how they are interpreted in relation to: <ul style="list-style-type: none"> – drawings, specifications, current legislation, schedules, method statements, risk assessments, manufacturers' information, oral and written instructions, sketches, electronic data, official guidance and current regulations associated with erecting masonry cladding.
2	Know how to comply with relevant legislation and official guidance when erecting masonry cladding.	<ul style="list-style-type: none"> • 2.1 <ul style="list-style-type: none"> · Describe their responsibilities regarding potential accidents, health hazards and the environment, whilst working: <ul style="list-style-type: none"> – in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement and storage of materials by manual handling and mechanical lifting. • 2.2 <ul style="list-style-type: none"> · Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company, operative and vehicles. • 2.3 <ul style="list-style-type: none"> · 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.	<ul style="list-style-type: none"> • 3.1 <ul style="list-style-type: none"> · Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements when erecting masonry cladding. • 3.2 <ul style="list-style-type: none"> · Demonstrate compliance with given information and relevant legislation when erecting masonry cladding in relation to the following: <ul style="list-style-type: none"> – safe use of access equipment – safe use, storage and handling of materials, tools and equipment – specific risks to health. • 3.3 <ul style="list-style-type: none"> · Explain why and when health and safety control equipment, identified by the principles of prevention should be used, relating to erecting masonry cladding, and the types, purpose and limitations of

		<p>each type, the work situation and general work environment, in relation to:</p> <ul style="list-style-type: none"> – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV). <ul style="list-style-type: none"> • 3.4 <ul style="list-style-type: none"> · Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions. • 3.5 <ul style="list-style-type: none"> · Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related activities.
4	Select the required quantity and quality of resources for the methods of work to erect masonry cladding.	<ul style="list-style-type: none"> • 4.1 <ul style="list-style-type: none"> · Select resources associated with own work in relation to materials, components, fixings, tools and equipment. • 4.2 <ul style="list-style-type: none"> · Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: <ul style="list-style-type: none"> – bricks, blocks, mortars, frames, insulation, damp proof barriers, brick slips, cloak systems, cavity closers, fire breaks, lintels, fixings and ties – hand and power tools, and equipment. • 4.3 <ul style="list-style-type: none"> · Describe how to confirm that the resources and materials conform to the specification. • 4.4 <ul style="list-style-type: none"> · Describe how the resources should be used correctly and how problems associated with the resources are reported. • 4.5 <ul style="list-style-type: none"> · Explain why the organisational procedures have been developed and how they are used for the selection of required resources. • 4.6 <ul style="list-style-type: none"> · Describe any potential hazards associated with the resources and methods of work. • 4.7 <ul style="list-style-type: none"> · Describe how to calculate quantity, length, area and wastage of materials associated with the method and procedure to erect masonry cladding.
5	Minimise the risk of damage to the work and surrounding area when erecting masonry cladding.	<ul style="list-style-type: none"> • 5.1 <ul style="list-style-type: none"> · Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures. • 5.2 <ul style="list-style-type: none"> · Maintain a clear and tidy work space. • 5.3 <ul style="list-style-type: none"> · Dispose of waste in accordance with current legislation. • 5.4 <ul style="list-style-type: none"> · 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 <ul style="list-style-type: none"> · 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.	<ul style="list-style-type: none"> • 6.1 <ul style="list-style-type: none"> · Demonstrate completion of the work within the estimated allocated time. • 6.2 <ul style="list-style-type: none"> · Describe the purpose of the work programme and explain why deadlines should be kept in relation to: <ul style="list-style-type: none"> – types of productivity targets and time scales – how times are estimated – 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.	<ul style="list-style-type: none"> • 7.1 <ul style="list-style-type: none"> · Demonstrate the following work skills when erecting masonry cladding:

- measuring, marking
- out, laying, positioning, levelling, plumb, fitting, fixing and securing.
- 7.2
- Use and maintain hand and power tools and equipment.
- 7.3
- Erect brick and block and/or local material cladding to given working instructions, including the formation of openings and joint finishes, for at least one of the following structures:
 - pre-erected timber frame
 - pre-erected concrete
 - pre-erected steel
 - existing masonry structure.
- 7.4
- Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to:
 - erect brick, block and thin joint block cladding to pre-erected timber frame, concrete, steel and existing structures
 - clad structures using local materials
 - install brick slips
 - position and secure wall ties including spacing, particularly around openings and movement joints
 - form and maintain the integrity of cavities
 - install and maintain the integrity of fire barriers and breaks
 - form joint finishes
 - form openings
 - position, level, plumb, fix and integrate brick soffit systems
 - install masonry support angles
 - prop and support structures
 - remove temporary structures
 - position, fix and bed damp
 - proof barriers, cloak systems and cavity trays
 - form and install weep holes and vents
 - position, bond and tape insulation materials
 - install wind posts
 - mix mortar
 - recognise and determine when specialist skills and knowledge are required and report accordingly
 - identify and follow the installation quality requirements
 - work with, around and in close proximity to plant and machinery
 - use hand and power tools, and equipment
 - work at height
 - use access equipment.
- 7.5
- Describe the needs of other occupations and how to communicate effectively within a team when erecting masonry cladding.
- 7.6
- Describe how to maintain the tools and equipment used when erecting masonry cladding.

Assessment guidance and/or requirements : This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment. Please refer to the hyperlink for clarity - <https://www.citb.co.uk/qualifications-standards/qualification-framework/>

Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.

Workplace evidence of skills cannot be simulated.

Group 1:

One of the following endorsements required:

-Brick and block

-Local material.

Group 2:

Plus one of the following:

-Pre-erected timber frame

-Pre-erected concrete

-Pre-erected steel

-Existing masonry.

Erecting Thin Joint Masonry Structures in the Workplace

Reference : D/617/9385

Level : Level 2

Credit Value : 24

Guided Learning Hours : 117

Grading Type : Pass/Fail

Aim : The aim of this unit is to illustrate the skills, knowledge and understanding required to confirm competence in Erecting thin joint masonry structures in the workplace within the relevant sector of industry.

Learning Outcomes		Assessment Criteria
The Learner Will		The Learner Can
1	Interpret the given information relating to the work and resources when erecting thin joint masonry structures.	<ul style="list-style-type: none"> • 1.1 <ul style="list-style-type: none"> · Interpret and extract relevant information from drawings, specifications, schedules, method statements, risk assessments and manufacturers' information. • 1.2 <ul style="list-style-type: none"> · Comply with information and/or instructions derived from risk assessments and method statements. • 1.3 <ul style="list-style-type: none"> · Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented. • 1.4 <ul style="list-style-type: none"> · Describe different types of information, their source and how they are interpreted in relation to: <ul style="list-style-type: none"> – drawings, specifications, current legislation, schedules, method statements, risk assessments, manufacturers' information, oral and written instructions, sketches, electronic data, official guidance and current regulations associated with erecting thin joint masonry structures.
2	Know how to comply with relevant legislation and official guidance when erecting thin joint masonry structures.	<ul style="list-style-type: none"> • 2.1 <ul style="list-style-type: none"> · Describe their responsibilities regarding potential accidents, health hazards and the environment, whilst working: <ul style="list-style-type: none"> – in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement and storage of materials by manual handling and mechanical lifting. • 2.2 <ul style="list-style-type: none"> · Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company, operative and vehicles. • 2.3 <ul style="list-style-type: none"> · 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.	<ul style="list-style-type: none"> • 3.1 <ul style="list-style-type: none"> · Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements when erecting thin joint masonry structures. • 3.2 <ul style="list-style-type: none"> · Demonstrate compliance with given information and relevant legislation when erecting thin joint masonry structures in relation to the following: <ul style="list-style-type: none"> – safe use of access equipment – safe use, storage and handling of materials, tools and equipment – specific risks to health. • 3.3 <ul style="list-style-type: none"> · Explain why and when health and safety control equipment, identified by the principles of prevention should be used, relating to

		<p>erecting thin joint masonry structures, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to:</p> <ul style="list-style-type: none"> – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV). <ul style="list-style-type: none"> • 3.4 <ul style="list-style-type: none"> · Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions. • 3.5 <ul style="list-style-type: none"> · Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task related activities.
4	Select the required quantity and quality of resources for the methods of work to erect thin joint masonry structures.	<ul style="list-style-type: none"> • 4.1 <ul style="list-style-type: none"> · Select resources associated with own work in relation to materials, components, fixings, tools and equipment. • 4.2 <ul style="list-style-type: none"> · Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: <ul style="list-style-type: none"> – blocks, jointing compounds, frames, insulation, damp proof barriers, cloak systems, lintels, fixings, ties – hand and power tools and equipment. • 4.3 <ul style="list-style-type: none"> · Describe how to confirm that the resources and materials conform to the specification. • 4.4 <ul style="list-style-type: none"> · Describe how the resources should be used correctly and how problems associated with the resources are reported. • 4.5 <ul style="list-style-type: none"> · Explain why the organisational procedures have been developed and how they are used for the selection of required resources. • 4.6 <ul style="list-style-type: none"> · Describe any potential hazards associated with the resources and methods of work. • 4.7 <ul style="list-style-type: none"> · Describe how to calculate quantity, length, area and wastage of materials associated with the method and 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.	<ul style="list-style-type: none"> • 5.1 <ul style="list-style-type: none"> · Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures. • 5.2 <ul style="list-style-type: none"> · Maintain a clear and tidy work space. • 5.3 <ul style="list-style-type: none"> · Dispose of waste in accordance with current legislation. • 5.4 <ul style="list-style-type: none"> · 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 <ul style="list-style-type: none"> · 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.	<ul style="list-style-type: none"> • 6.1 <ul style="list-style-type: none"> · Demonstrate completion of the work within the estimated allocated time. • 6.2 <ul style="list-style-type: none"> · Describe the purpose of the work programme and explain why deadlines should be kept in relation to: <ul style="list-style-type: none"> – types of productivity targets and time scales – how times are estimated – 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.	<ul style="list-style-type: none"> • 7.1 <ul style="list-style-type: none"> · Demonstrate the following work skills when erecting thin joint masonry structures:

- measuring, marking out, cutting, preparing, laying, positioning and securing.
- 7.2
 - Use and maintain hand and power tools, and equipment.
- 7.3
 - Erecting thin joint masonry structures to given working instructions for at least three of the following:
 - cavity wall structures
 - solid wall structures
 - form openings
 - mix jointing compounds.
- 7.4
 - 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)
 - check plumb
 - form and maintain the integrity of cavities
 - form openings
 - position, level, plumb, fix and integrate, brick soffit systems
 - install masonry support angles
 - position, fix and bed, damp
 - proof barriers, cloak systems and cavity trays
 - position and secure wall ties including spacing, particularly around openings
 - form and install movement joints
 - install and maintain the integrity of fire barriers and breaks
 - form and install weep holes and vents
 - position, bond and tape insulation materials
 - install wind posts
 - mix jointing compound
 - recognise and determine when specialist skills and knowledge are required and report accordingly
 - identify and follow the installation quality requirements
 - work with, around and in close proximity to plant and machinery
 - use hand and power tools, and equipment
 - work at height
 - use access equipment.
- 7.5
 - Describe the needs of other occupations and how to communicate effectively within a team when erecting thin joint masonry structures.
- 7.6
 - Describe how to maintain the tools and equipment used when erecting thin joint masonry structures.

Assessment guidance and/or requirements : This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment. Please refer to the hyperlink for clarity - <https://www.citb.co.uk/qualifications-standards/qualification-framework/>

Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.

Workplace evidence of skills cannot be simulated.

Three of the following endorsements required:

- Cavity wall structure
- Solid wall structures
- Form openings
- Mix jointing compounds.

Installing and Forming Specialist Masonry Elements in the Workplace

Reference : J/617/9400

Level : Level 3

Credit Value : 21

Guided Learning Hours : 140

Grading Type : Pass/Fail

Aim : The aim of this unit is to illustrate the skills, knowledge and understanding required to confirm competence in Installing and forming specialist masonry elements in the workplace within the relevant sector of industry.

Learning Outcomes		Assessment Criteria
The Learner Will		The Learner Can
1	Interpret the given information relating to the work and resources when installing and forming specialist masonry elements.	<ul style="list-style-type: none"> • 1.1 <ul style="list-style-type: none"> · Interpret and extract relevant information from drawings, specifications, schedules, method statements, risk assessments and manufacturers' information. • 1.2 <ul style="list-style-type: none"> · Comply with information and/or instructions derived from risk assessments and method statements. • 1.3 <ul style="list-style-type: none"> · Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented. • 1.4 <ul style="list-style-type: none"> · Describe different types of information, their source and how they are interpreted in relation to: <ul style="list-style-type: none"> – drawings, specifications, schedules, method statements, risk assessments, manufacturers' information, oral and written instructions, sketches, electronic data, official guidance and current regulations associated with installing and forming specialist masonry support elements.
2	Know how to comply with relevant legislation and official guidance when installing and forming specialist masonry elements.	<ul style="list-style-type: none"> • 2.1 <ul style="list-style-type: none"> · Describe their responsibilities regarding potential accidents, health hazards and the environment, whilst working: <ul style="list-style-type: none"> – in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement and storage of materials by manual handling and mechanical lifting. • 2.2 <ul style="list-style-type: none"> · Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company, operative and vehicles. • 2.3 <ul style="list-style-type: none"> · Explain what the accident reporting procedures are and who is responsible for making reports.
3	Maintain safe and healthy working practices when installing and forming specialist masonry elements.	<ul style="list-style-type: none"> • 3.1 <ul style="list-style-type: none"> · Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements when installing and forming specialist masonry elements. • 3.2 <ul style="list-style-type: none"> · Demonstrate compliance with given information and relevant legislation when installing and forming specialist masonry elements in relation to the following: <ul style="list-style-type: none"> – safe use of access equipment – safe use, storage and handling of materials, tools and equipment – specific risks to health. • 3.3 <ul style="list-style-type: none"> · Explain why and when health and safety control equipment, identified by the principles of prevention should be used, relating to

		<p>install and form specialist masonry elements, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to:</p> <ul style="list-style-type: none"> – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV). <ul style="list-style-type: none"> • 3.4 <ul style="list-style-type: none"> · Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions. • 3.5 <ul style="list-style-type: none"> · Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task related activities.
4	Select the required quantity and quality of resources for the methods of work to install and form specialist masonry elements.	<ul style="list-style-type: none"> • 4.1 <ul style="list-style-type: none"> · Select resources associated with own work in relation to materials, components, fixings, tools and equipment. • 4.2 <ul style="list-style-type: none"> · Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: <ul style="list-style-type: none"> – specialist masonry support elements – fittings and fixings – hand and power tools, and equipment. • 4.3 <ul style="list-style-type: none"> · Describe how to confirm that the resources and materials conform to the specification. • 4.4 <ul style="list-style-type: none"> · Describe how the resources should be used correctly and how problems associated with the resources are reported. • 4.5 <ul style="list-style-type: none"> · Explain why the organisational procedures have been developed and how they are used for the selection of required resources. • 4.6 <ul style="list-style-type: none"> · Describe any potential hazards associated with the resources and methods of work. • 4.7 <ul style="list-style-type: none"> · Describe how to calculate quantity, volume, length, width, area and wastage of materials associated with the method and procedure to install and form specialist masonry elements.
5	Minimise the risk of damage to the work and surrounding area when installing and forming specialist masonry elements.	<ul style="list-style-type: none"> • 5.1 <ul style="list-style-type: none"> · Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures. • 5.2 <ul style="list-style-type: none"> · Maintain a clear and tidy work space. • 5.3 <ul style="list-style-type: none"> · Dispose of waste in accordance with current legislation. • 5.4 <ul style="list-style-type: none"> · 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 <ul style="list-style-type: none"> · 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 and forming specialist masonry elements.	<ul style="list-style-type: none"> • 6.1 <ul style="list-style-type: none"> · Demonstrate completion of the work within the estimated allocated time. • 6.2 <ul style="list-style-type: none"> · Describe the purpose of the work programme and explain why deadlines should be kept in relation to: <ul style="list-style-type: none"> – types of productivity targets and time scales – how times are estimated – organisational procedures for reporting circumstances which will affect the work programme.
7	Comply with the given contract information to install and form specialist masonry elements to the required specification.	<ul style="list-style-type: none"> • 7.1 <ul style="list-style-type: none"> · Demonstrate the following work skills when: <ul style="list-style-type: none"> – positioning, levelling, plumb, adjusting and fixing.

- 7.2
 - Use and maintain hand and power tools and equipment.
- 7.3
 - Install and/or form fire barriers and/or breaks and support angles plus at least two of the following specialist masonry support elements to given working instructions:
 - brick soffit systems
 - channel systems
 - wind posts
 - vapour and/or moisture barriers
 - wall starter kits.
- 7.4
 - Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to:
 - identify the types, uses and characteristics of specialist masonry support elements; brick soffit systems, support angles, fire barriers and breaks, wind posts and wall starter kits
 - position, level, plumb, fix and integrate brick soffit systems
 - install and adjust masonry support angles
 - install and maintain the integrity of fire barriers and breaks
 - form and maintain the integrity of cavities
 - position and secure wall ties including spacing, particularly around openings
 - position and fix damp
 - proof barriers, cloak systems and cavity trays
 - form and install weep holes and vents
 - position bond and tape insulation materials
 - install wind posts
 - use wall starter kits
 - recognise and determine when specialist skills and knowledge are required and report accordingly
 - identify and follow the installation quality requirements
 - work with, around and in close proximity to plant and machinery
 - use hand and power tools, and equipment
 - work at height
 - use access equipment.
- 7.5
 - Describe the needs of other occupations and how to communicate effectively within a team when installing and forming specialist masonry elements.
- 7.6
 - Describe how to maintain the tools and equipment used when installing and forming specialist masonry elements.

Assessment guidance and/or requirements : This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment. Please refer to the hyperlink for clarity - <https://www.citb.co.uk/qualifications-standards/qualification-framework/>

Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.

Workplace evidence of skills cannot be simulated.

This unit must be assessed against TWO of the endorsements Groups:

Group 1:

A minimum of one endorsement is required

- Install fire barriers and support angles
- Fire breaks and support angles
- Form fire barriers and support angles
- Fire breaks and support angles.

Group 2:

Plus at least two of the following endorsements required:

Brick soffit systems

Channel systems

Wind posts

Vapour and/or moisture barriers

Wall starter kits.

Installing drainage in the workplace

Reference : F/617/1425

Level : Level 2

Credit Value : 19

Guided Learning Hours : 100

Grading Type : Pass/Fail

Aim : The aim of this unit is to illustrate the skills, knowledge and understanding required to confirm competence in installing drainage in the workplace within the relevant sector of industry.

Learning Outcomes		Assessment Criteria
The Learner Will		The Learner Can
1	Interpret the given information relating to the work and resources when installing drainage.	<ul style="list-style-type: none"> • 1.1 <ul style="list-style-type: none"> · Interpret and extract relevant information from drawings, specifications, schedules, risk assessments, method statements and manufacturers' information. • 1.2 <ul style="list-style-type: none"> · Comply with information and/or instructions derived from risk assessments and method statements. • 1.3 <ul style="list-style-type: none"> · Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented. • 1.4 <ul style="list-style-type: none"> · Describe different types of information, their source and how they are interpreted in relation to: <ul style="list-style-type: none"> – drawings, specifications, schedules, risk assessments, method statements, manufacturers' information, verbal, written and graphical instructions, permits, current regulations and official guidance governing the installation and construction of drainage systems.
2	Know how to comply with relevant legislation and official guidance when installing drainage.	<ul style="list-style-type: none"> • 2.1 <ul style="list-style-type: none"> · Describe their responsibilities regarding potential accidents, health hazards and the environment whilst working: <ul style="list-style-type: none"> – in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement and storage of materials by manual handling and mechanical lifting. • 2.2 <ul style="list-style-type: none"> · Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative. • 2.3 <ul style="list-style-type: none"> · Explain what the accident reporting procedures are and who is responsible for making reports.
3	Maintain safe and healthy working practices when installing drainage.	<ul style="list-style-type: none"> • 3.1 <ul style="list-style-type: none"> · Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements when installing drainage. • 3.2 <ul style="list-style-type: none"> · Demonstrate compliance with given information and relevant legislation when installing drainage in relation to at least two of the following: <ul style="list-style-type: none"> – safe use of access equipment – safe use, storage and handling of materials, tools and equipment – specific risks to health. • 3.3 <ul style="list-style-type: none"> · Explain why and when health and safety control equipment, identified by the principles of prevention, 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: <ul style="list-style-type: none"> –collective protective measures –personal protective equipment (PPE)

		<ul style="list-style-type: none"> –respiratory protective equipment (RPE) –local exhaust ventilation (LEV). • 3.4 <ul style="list-style-type: none"> · Describe how the relevant health and safety control equipment should be used in accordance with the given instructions. • 3.5 <ul style="list-style-type: none"> · Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task related activities.
4	Select the required quantity and quality of resources for the methods of work to install drainage.	<ul style="list-style-type: none"> • 4.1 <ul style="list-style-type: none"> · Select resources associated with own work in relation to materials, components and fixings, and tools and equipment. • 4.2 <ul style="list-style-type: none"> · Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: <ul style="list-style-type: none"> –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 tools, power tools and ancillary equipment. • 4.3 <ul style="list-style-type: none"> · Describe how to confirm that the resources and materials conform to the specification. • 4.4 <ul style="list-style-type: none"> · Describe how the resources should be used correctly and how problems associated with the resources are reported. • 4.5 <ul style="list-style-type: none"> · Explain why the organisational procedures have been developed and how they are used for the selection of required resources. • 4.6 <ul style="list-style-type: none"> · Describe any potential hazards associated with the resources and methods of work. • 4.7 <ul style="list-style-type: none"> · Describe how to calculate quantity, length, volume, area and wastage associated with the method and procedure to install drainage.
5	Minimise the risk of damage to the work and surrounding area when installing drainage.	<ul style="list-style-type: none"> • 5.1 <ul style="list-style-type: none"> · Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures. • 5.2 <ul style="list-style-type: none"> · Maintain a clear and tidy work space. • 5.3 <ul style="list-style-type: none"> · Dispose of waste in accordance with current legislation. • 5.4 <ul style="list-style-type: none"> · 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 <ul style="list-style-type: none"> · 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.	<ul style="list-style-type: none"> • 6.1 <ul style="list-style-type: none"> · Demonstrate completion of the work within the allocated time. • 6.2 <ul style="list-style-type: none"> · Describe the purpose of the work programme and explain why deadlines should be kept in relation to: <ul style="list-style-type: none"> – types of progress charts, timetables, productivity targets and time scales – how times are estimated – organisational procedures for reporting circumstances which will affect the work programme.
7	Comply with the given contract information to install drainage to the required specification.	<ul style="list-style-type: none"> • 7.1 <ul style="list-style-type: none"> · Demonstrate the following work skills when installing drainage: <ul style="list-style-type: none"> – checking, measuring, marking out, cutting, laying, positioning, fitting, joining, levelling, plumbing, aligning, securing and testing.

- 7.2
 - Use and maintain hand tools, power tools and ancillary equipment
- 7.3
 - Lay bedding materials, install and test pipework (e.g. clay, concrete, metal or plastic) for new and/or replacement, foul and/or surface water drainage for at least one of the following to given working instructions:
 - 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)
 - surround pipe with specified materials
 - place backfill to trench using given work instructions for both compacted and free drainage material.
- 7.4
 - 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
 - recognise the dangers of loads and structures at the edge of excavations
 - deal with groundwater
 - work around other utility services
 - install geotextile materials
 - prepare different types of bedding for pipework e.g. sand, shingle, cementitious
 - determine levels and gradients
 - identify the differences between surface and foul water drainage
 - measure, mark and cut drainage materials
 - lay, position, level, plumb, align, fit, join, 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)
 - 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
 - prepare for conducting smoke, water, ball, air and mandrel tests on drainage systems
 - work, around and in close proximity to with plant and machinery including lifting equipment
 - store and dispose of removed drainage components
 - follow specified hygiene procedures particularly when dealing with foul water draining systems
 - recognise and determine when specialist skills and knowledge are required and report accordingly
 - determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance
 - use hand tools, power tools and equipment
 - work at height and below ground level
 - use access equipment.
- 7.5
 - Describe the needs of other occupations and how to communicate effectively within a team when installing drainage.
- 7.6
 - Describe how to maintain the tools and equipment used when installing drainage.

Assessment guidance and/or requirements : This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment. Please refer to the hyperlink for clarity - <https://www.citb.co.uk/qualifications-standards/qualification-framework/>

Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.

Workplace evidence of skills cannot be simulated.

This unit must be assessed against own area of work.

This unit must be assessed against ONE of the endorsements:

- inspection chamber



PART OF **nocn** GROUP

- surface water system
- foul water system.

Placing and Compacting Concrete in the Workplace

Reference : M/615/6032

Level : Level 2

Credit Value : 11

Guided Learning Hours : 37

Grading Type : Pass/Fail

Aim : The aim of the unit is to illustrate the skills, knowledge and understanding required to confirm competence in placing and compacting concrete in the workplace within the relevant sector of industry.

Learning Outcomes		Assessment Criteria
The Learner Will		The Learner Can
1	Interpret the given information relating to the work and resources when placing and compacting concrete.	<ul style="list-style-type: none"> • 1.1 <ul style="list-style-type: none"> · Interpret and extract relevant information from drawings, specifications, schedules, method statements, risk assessments and manufacturers' information. • 1.2 <ul style="list-style-type: none"> · Comply with information and/or instructions derived from risk assessments and method statements. • 1.3 <ul style="list-style-type: none"> · Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented. • 1.4 <ul style="list-style-type: none"> · Describe different types of information, their source and how they are interpreted in relation to: <ul style="list-style-type: none"> · drawings, specifications, schedules, method statements, risk assessments, manufacturers' information, oral and written instructions, current regulations governing buildings and official guidance associated with the placement and compaction of concrete.
2	Know how to comply with relevant legislation and official guidance when placing and compacting concrete.	<ul style="list-style-type: none"> • 2.1 <ul style="list-style-type: none"> · Describe their responsibilities regarding potential accidents, health hazards and the environment whilst working: <ul style="list-style-type: none"> · in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement and storage of materials and by manual handling and mechanical lifting. • 2.2 <ul style="list-style-type: none"> · Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative. • 2.3 <ul style="list-style-type: none"> · Explain what the accident reporting procedures are and who is responsible for making reports.
3	Maintain safe and healthy working practices when placing and compacting concrete.	<ul style="list-style-type: none"> • 3.1 <ul style="list-style-type: none"> · Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements when placing and compacting concrete. • 3.2 <ul style="list-style-type: none"> · Demonstrate compliance with given information and relevant legislation when placing and compacting concrete in relation to the following: <ul style="list-style-type: none"> · safe use of access equipment · safe use, storage and handling of materials, tools and equipment

		<ul style="list-style-type: none"> · specific risks to health. • 3.3 <ul style="list-style-type: none"> · Explain why and when health and safety control equipment, identified by the principles of prevention, should be used, relating to placing and compacting 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 <ul style="list-style-type: none"> · Describe how the relevant health and safety control equipment should be used in accordance with the given instructions. • 3.5 <ul style="list-style-type: none"> · Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task related activities.
<p>4</p>	<p>Select the required quantity and quality of resources for the methods of work to place and compact concrete.</p>	<ul style="list-style-type: none"> • 4.1 <ul style="list-style-type: none"> · Select resources associated with own work in relation to materials, components, fixings, tools and equipment. • 4.2 <ul style="list-style-type: none"> · Describe the characteristics, quality, uses, sustainability limitations and defects associated with the resources in relation to: · aggregates, cements, concrete, reinforcement, membranes, release agents, anti · heave materials, moulds, additives and retardants · hand tools portable power tools and equipment, slump test equipment, skips, compaction equipment, poker vibrator, tampers, floats and trowels. • 4.3 <ul style="list-style-type: none"> · Describe how the resources should be used correctly and how problems associated with the resources are reported. • 4.4 <ul style="list-style-type: none"> · Explain why the organisational procedures have been developed and how they are used for the selection of required resources. • 4.5 <ul style="list-style-type: none"> · Describe any potential hazards associated with the resources and methods of work. • 4.6 <ul style="list-style-type: none"> · Describe the methods of calculating quantity, length, area and wastage associated with the method and procedure to place and compact concrete.
<p>5</p>	<p>Minimise the risk of damage to the work and surrounding area when placing and compacting concrete.</p>	<ul style="list-style-type: none"> • 5.1 <ul style="list-style-type: none"> · Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures. • 5.2 <ul style="list-style-type: none"> · Maintain a clean work space. • 5.3 <ul style="list-style-type: none"> · Dispose of waste in accordance with current legislation. • 5.4 <ul style="list-style-type: none"> · 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 <ul style="list-style-type: none"> · 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.
<p>6</p>	<p>Complete the work within the allocated time when placing and compacting concrete.</p>	<ul style="list-style-type: none"> • 6.1 <ul style="list-style-type: none"> · Demonstrate completion of the work within the allocated time. • 6.2 <ul style="list-style-type: none"> · Describe the purpose of the work programme and explain why deadlines should be kept in relation to:

		<ul style="list-style-type: none"> · types of 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 compact concrete to the required specification.	<ul style="list-style-type: none"> 7.1 <ul style="list-style-type: none"> · Demonstrate the following work skills when placing and compacting concrete: <ul style="list-style-type: none"> · measuring, marking out, inspecting, receiving, handling, transporting, placing, spreading, levelling, vibrating, compacting, testing and protecting. 7.2 <ul style="list-style-type: none"> · Use and maintain hand tools, portable power tools, plant or machinery and ancillary equipment. 7.3 <ul style="list-style-type: none"> · Place, lay and compact concrete to given working instructions using three of the following placement methods <ul style="list-style-type: none"> · chute · elephant's trunk · skip · pump · mono rail · manually. 7.4 <ul style="list-style-type: none"> · Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: <ul style="list-style-type: none"> – identify installation quality requirements – conform to agreed specification – confirm integrity of formwork and temporary supports – handle and transport concrete – place concrete using shuts, elephant's trunk, skip, pump, mono rail and manually – visually assess the quality of the concrete prior to and during pouring and placement – extract samples for testing – work with, around and in close proximity to plant and machinery – direct and guide the operations and movement of plant and machinery – compact and finish concrete – protect concrete to assist the curing process – apply curing accelerants and aids – recognise requirements for working with concretes containing additives for waterproofing and retardants – recognise and determine when additional specialist skills and knowledge are required and report accordingly – determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance – use hand tools, portable power tools, plant, machinery and equipment – work at height – use access equipment. 7.5 <ul style="list-style-type: none"> · Describe the needs of other occupations and how to effectively communicate within a team when placing and compacting concrete. 7.6 <ul style="list-style-type: none"> · Describe how to maintain the tools and equipment used when placing and compacting concrete.

Assessment guidance and/or requirements : This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment. Please refer to the hyperlink for clarity - <https://www.citb.co.uk/qualifications-standards/qualification-framework/>
 Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.
 Workplace evidence of skills cannot be simulated.

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

- Chute
- Elephants trunk
- Skip
- Pump
- Mono-rail
- Manual.

Repairing and maintaining masonry structures in the workplace

Reference : M/617/9391

Level : Level 3

Credit Value : 25

Guided Learning Hours : 133

Grading Type : Pass/Fail

Aim : The aim of this unit is to illustrate the skills, knowledge and understanding required to confirm competence in Repairing and maintaining masonry structures in the workplace within the relevant sector of industry.

Learning Outcomes		Assessment Criteria
The Learner Will		The Learner Can
1	Interpret the given information relating to the work and resources when repairing and maintaining masonry structures.	<ul style="list-style-type: none"> • 1.1 <ul style="list-style-type: none"> · Interpret and extract relevant information from drawings, specifications, schedules, method statements, risk assessments and manufacturers' information. • 1.2 <ul style="list-style-type: none"> · Comply with information and/or instructions derived from risk assessments and method statements. • 1.3 <ul style="list-style-type: none"> · Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented. • 1.4 <ul style="list-style-type: none"> · Describe different types of information, their source and how they are interpreted in relation to: <ul style="list-style-type: none"> – drawings, specifications, current legislation, schedules, method statements, risk assessments, manufacturers' information, oral and written instructions, sketches, electronic data, official guidance and current regulations governing buildings associated with the repair and maintenance of masonry structures.
2	Know how to comply with relevant legislation and official guidance when repairing and maintaining masonry structures.	<ul style="list-style-type: none"> • 2.1 <ul style="list-style-type: none"> · Describe their responsibilities regarding potential accidents, health hazards and the environment, whilst working: <ul style="list-style-type: none"> – in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement and storage of materials by manual handling and mechanical lifting. • 2.2 <ul style="list-style-type: none"> · Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company, operative and vehicles. • 2.3 <ul style="list-style-type: none"> · 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.	<ul style="list-style-type: none"> • 3.1 <ul style="list-style-type: none"> · Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements when repairing and maintaining masonry structures. • 3.2 <ul style="list-style-type: none"> · Demonstrate compliance with given information and relevant legislation when repairing and maintaining masonry structures in relation to the following: <ul style="list-style-type: none"> – safe use of access equipment – safe use, storage and handling of materials, tools and equipment – specific risks to health. • 3.3 <ul style="list-style-type: none"> · Explain why and when health and safety control equipment, identified by the principles of prevention should be used, relating to

		<p>repairing and maintaining masonry structures, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to:</p> <ul style="list-style-type: none"> – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV). <ul style="list-style-type: none"> • 3.4 <ul style="list-style-type: none"> · Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions. • 3.5 <ul style="list-style-type: none"> · Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task related activities.
4	<p>Select the required quantity and quality of resources for the methods of work to repair and maintain masonry structures.</p>	<ul style="list-style-type: none"> • 4.1 <ul style="list-style-type: none"> · Select resources associated with own work in relation to materials, components, fixings, tools and equipment. • 4.2 <ul style="list-style-type: none"> · Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: <ul style="list-style-type: none"> – bricks, blocks, natural stones, mortars, sand, lime, additives, frames, insulation, damp ·proof barriers, cloak systems, lintels and ties – fittings and fixings – hand and power tools and equipment. • 4.3 <ul style="list-style-type: none"> · Describe how to confirm that the resources and materials conform to the specification. • 4.4 <ul style="list-style-type: none"> · Describe how the resources should be used correctly and how problems associated with the resources are reported. • 4.5 <ul style="list-style-type: none"> · Explain why the organisational procedures have been developed and how they are used for the selection of required resources. • 4.6 <ul style="list-style-type: none"> · Describe any potential hazards associated with the resources and methods of work. • 4.7 <ul style="list-style-type: none"> · Describe how to calculate quantity, length, area and wastage of materials associated with the method and procedure to repair and maintain masonry structures.
5	<p>Minimise the risk of damage to the work and surrounding area when repairing and maintaining masonry structures.</p>	<ul style="list-style-type: none"> • 5.1 <ul style="list-style-type: none"> · Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures. • 5.2 <ul style="list-style-type: none"> · Maintain a clear and tidy work space. • 5.3 <ul style="list-style-type: none"> · Dispose of waste in accordance with current legislation. • 5.4 <ul style="list-style-type: none"> · 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 <ul style="list-style-type: none"> · 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	<p>Complete the work within the allocated time when repairing and maintaining masonry structures.</p>	<ul style="list-style-type: none"> • 6.1 <ul style="list-style-type: none"> · Demonstrate completion of the work within the estimated allocated time. • 6.2 <ul style="list-style-type: none"> · Describe the purpose of the work programme and explain why deadlines should be kept in relation to: <ul style="list-style-type: none"> – types of productivity targets and time scales – how times are estimated – organisational procedures for reporting circumstances which will affect the work programme.
7	<p>Comply with the given contract information to repair and maintain</p>	<ul style="list-style-type: none"> • 7.1

masonry structures to the required specification.

- Demonstrate the following work skills when repairing and maintaining masonry structures:
 - measure, mark out, cut, remove, lay, position and secure.
- 7.2
 - Use and maintain hand and power tools, and equipment.
- 7.3
 - Prepare, repair and maintain existing brick and/or block masonry and/or local material structures to given working instructions for at least 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.
- 7.4
 - Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to:
 - prepare, repair and maintain existing masonry structures in bricks, blocks and thin joint blocks or local materials and styles
 - identify materials and components and restore structures to original state
 - form joint finishes
 - form openings
 - prop existing walls and floors
 - form and maintain the integrity of cavities
 - position, fix and bed damp
 - proof barriers cloak systems and cavity trays
 - form and install weep holes and vents
 - form internal and external angles
 - position, bond and tape insulation materials
 - install and maintain the integrity of fire barriers and breaks
 - dress surfaces
 - form finishes
 - mix mortars
 - recognise and determine when specialist skills and knowledge are required and report accordingly
 - determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance
 - identify and follow the installation quality requirements
 - work with, around and in close proximity to plant and machinery
 - use hand and power tools, and equipment
 - work at height
 - use access equipment.
- 7.5
 - Describe the needs of other occupations and how to communicate effectively within a team when repairing and maintaining masonry structures.
- 7.6
 - Describe how to maintain the tools and equipment used when repairing and maintaining masonry structures.

Assessment guidance and/or requirements : This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment. Please refer to the hyperlink for clarity - <https://www.citb.co.uk/qualifications-standards/qualification-framework/>

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Workplace evidence of skills cannot be simulated.

Group 1:

One of the following endorsements required:

- Brick
- Block
- Local material.

Group 2:

Plus 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.



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