Title:	**Constructing Masonry Cladding**
Level:	2
Credit value:	6
GLH:	48
Unique Reference Number:	**Y/651/2714**
Sector Subject Area:	5.2 Building and Construction
Aim:	The aim of this unit is to provide learners with the skills and knowledge to complete the construction of masonry cladding to given specifications and within tolerances.
Assessment Type:	Observed practical with underpinning knowledge questions.
Assessment Guidance:	Learners are assessed through the completion of an NOCN devised practical task and associated knowledge questions (written or verbal). The unit is internally assessed and externally quality assured. An NOCN assessment booklet has been produced and should be used to evidence all learning outcomes.

Learning outcomes
The learner will:

1. Be able to interpret the information required to construct masonry cladding.

Delivery content:

The aim of this learning outcome is to provide the learners with the skills and knowledge to interpret the information necessary to construct masonry cladding.

The learner must:

- identify the **documentation** and information required to complete given tasks.
- identify different types of **drawings** and their purpose.
- interpret different types of drawings including **common scales** and symbols and hatchings used.
- read and apply measurements from the information.
- identify and report any inaccuracies with the information in accordance with organisational procedures.
- **calculate** the area where the cladding is to be constructed.
- describe the purpose of a datum point.
- use manufacturers' information to appropriately use resources.

2. Be able to select tools, equipment and materials required to construct masonry cladding.
Delivery content: The aim of this learning outcome is to provide the learners with the skills and knowledge to identify and select the tools, equipment and materials required to construct masonry cladding. The learner must: • select the **tools, equipment and materials** required from the information and confirm it is correct for the given tasks. • report any discrepancies in accordance with organisational procedures. • **carry out checks** on all resources selected to ensure they are fit for purpose and free from damage or defects. • report and replace damaged or defective resources in accordance with manufacturers' guidance and organisational procedures.
3. Be able to prepare work areas to construct masonry cladding.
Delivery content: The aim of this learning outcome is to provide the learners with the skills and knowledge to carry out preparations to construct masonry cladding. The learner must: • interpret risk assessments to identify **hazards** and ensure relevant **personal protective equipment** and **collective protection equipment** are used correctly. • inspect the work area to identify any additional hazards and ensure any present are mitigated. • report issues and mitigating work carried out in accordance with organisational procedures. • ensure the work area is clear, safe and ready for the construction of masonry cladding and surrounding areas protected. • carry out calculations to identify the quantities of materials required for the given tasks. • ensure that all materials are prepared, as required, including **mixing mortar**, using hand and mechanical methods. • set out resources safely and logically to support effective completion of the given tasks.

4. Be able to construct masonry cladding.
Delivery content: The aim of this learning outcome is to provide the learners with the skills and knowledge to construct masonry cladding in accordance with given tasks. The learner must: • identify the datum point and measure from it to set out the required works. • set out and position single wall and corner type profiles. • construct cladding to form straight lengths and returns of brickwork, producing **decorative features** and using **components** to specification in accordance with building regulations. • ensure that all work is accurate to specification. • apply **protection** to protect **works** from damage and adverse weather.
5. Be able to complete works following the construction of masonry cladding.
Delivery content: The aim of this learning outcome is to provide the learners with the skills and knowledge to complete work. The learner must: • clean, inspect and **store** all tools, equipment and **excess materials** in accordance with manufacturers' guidance. • report any issues in accordance with organisational procedures. • clean the work area and **dispose of all waste** in accordance with legislative requirements, manufacturers' guidance and organisational procedures. • leave the work area in a safe and clean condition, using collective protective measures as appropriate. • complete all final paperwork as required and file correctly.

Scope of Training

The Scope of Training identifies areas that must be covered during the delivery of this unit. This is the minimum that is expected but tutors are expected to include other areas, knowledge of which will benefit their learners, based on location, types of work available and from the tutors own professional experience.

Documentation	Current legislation relating to health and safety, including: • Health and Safety at Work Act • Reporting Injuries, Diseases and Dangerous Occurrences Regulations (RIDDOR) • Control of Substances Hazardous to Health (COSHH) • Provision and Use of Work Equipment Regulations (PUWER) HSE guidance, including: • Manual Handling • Working at Height • Working in Confined Spaces Asbestos • Maintaining Electrical Equipment Safety • Fire Safety / Fire Extinguishers • Lone Working • Situational Awareness	Job specification Method statements Site inductions Toolbox talks Risk assessments Manufacturers' guidance Building regulations British Standards Warranty provider standards	
Drawings	2D and 3D drawings BIM related models Site and location plans Assembly plans Extracting information from drawings	Section details Block plans Site plans Orthographic and isometric projections	
Common scales	To include: 1:5, 1:10, 1:20, 1:50, 1:100 and 1:500		
Calculate	Linear measurements Area of brickworks	Number of courses Quantities of bricks	
Tools	Line pins Line blocks Lump hammer Bolster Brick jointer / jointing iron Brick hammer	Brick trowel Scutch hammer Pointing trowel Laser level Tape measure Scutch Chariot	Spirit level Line Corner block Boat/pocket level Screwdriver Brick clamps
Equipment	Shovel Wheelbarrow	Spot board Mixing tub/bucket	Sack barrow **Power tools**
Power tools (use and limitations)	Disc cutters	Mixers	Drills
Materials / Components	Bricks Wall ties that fix to cladding Insulation materials Water	Cavity closers Damp proofing materials Mortar Brick slips	Waste bags Lintels Cills Screws (fix wall ties) Weep holes

Carry out checks	Hand tools Power tools Materials		Including: pre-use checks, maintenance, sharpening techniques defect or fault escalation, storage techniques
Hazards	Slips, trips and falls Working at height Confined spaces Cuts and abrasions Fire Manual handling Plant and equipment	Hazardous substances (including lead and asbestos) Electrical equipment and leads	Comply with risk assessments Control measures Method statements Safe systems of work When to report to a manager
Personal protective equipment	Steel toe-capped boots Gloves Goggles Hard hat		High-visibility clothing Respiratory protection equipment (RPE) Hearing protection
Collective protective equipment	Signage Barriers Sheeting		
Mixing mortar	Cementitious materials Adhesives Grouts Resin Pre-mixed components Gauging Hand mixing		Plasticisers Plasters Bonding agents Colourings Ratios Silos Mechanical mixing
Decorative features	Basket weave Herringbone Oversailing courses Corbels Soldier courses		String courses Projecting / recess features Contrasting bricks Contrasting mortar
Protection	Signage Barriers Plastic/hessian sheeting		
Works	Complete Incomplete, work in progress		
Store excess materials	Stock rotation Date order		Recycle Reuse
Dispose of waste	Avoiding surface water contamination		Safe disposal Impact on the environment

Mapping to BRICKLAYER Apprenticeship Standard ST0095 (version 1.2)

Learning Outcome	Knowledge Statements	Skills Statements	Behaviour Statements
1. Be able to interpret the information required to construct masonry cladding.	K1, K3, K6, K7, K10, K11, K12, K26	S1, S4, S5, S6, S18	

2. Be able to select the tools, equipment and materials required to construct masonry cladding.	K1, K7, K8, K10, K13, K14, K26	S1, S4, S5, S6, S8, S9, S18	
3. Be able to prepare work areas to construct masonry cladding.	K1, K2, K3, K8, K10, K12, K13, K14, K20, K26	S1, S2, S5, S6, S7, S14, S18	
4. Be able to construct masonry cladding.	K1, K6, K7, K9, K18, K21, K22, K23, K25	S1, S4, S10, S17	B3, B6
5. Be able to complete works following the construction of masonry cladding.	K1, K4, K8, K13, K25, K26	S1, S3, S4, S7, S9, S17, S18	B2

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