



National Unit specification

General information

Unit title: Half Brick Walling: An Introduction (SCQF level 4)

Unit code: F1JS 10

Superclass: TG

Publication date: April 2016

Source: Scottish Qualifications Authority

Version: 02

Unit purpose

This Unit is suitable for learners who have little or no brickwork experience. The Unit requires the learner to measure and set out simple brickwork, select and maintain tools, demonstrate the basic knowledge required and build short lengths of half brick walls. Underpinning knowledge will be required to build half brick walling. Learners who achieve this Unit should feel confident in progressing further in the Construction Craft Industry.

Outcomes

On successful completion of the Unit the learner will be able to:

- 1 Demonstrate the knowledge and understanding required to set out and build half brick walling.
- 2 Select, use and maintain the basic bricklaying tools and equipment.
- 3 Measure and set out half brick walling.
- 4 Build half brick walling.
- 5 Build an extended length of half brick walling.

Credit points and level

0.5 National Unit credit at SCQF level 4 (3 SCQF credit points at SCQF level 4)

Recommended entry to the Unit

Whilst entry is at the discretion of the centre, it would be beneficial for the learners to have an aptitude for craft skills and had gained some prior practical experience.

National Unit specification: General information (cont)

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Core Skills

Opportunities to develop aspects of Core Skills are highlighted in the Support Notes for this Unit specification.

There is no automatic certification of Core Skills or Core Skill components in this Unit.

Context for delivery

If this Unit is delivered as part of a Group Award, it is recommended that it should be taught and assessed within the subject area of the Group Award to which it contributes.

Equality and inclusion

This Unit specification has been designed to ensure that there are no unnecessary barriers to learning or assessment. The individual needs of learners should be taken into account when planning learning experiences, selecting assessment methods or considering alternative evidence.

Further advice can be found on our website www.sqa.org.uk/assessmentarrangements.

National Unit specification: Statement of standards

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Acceptable performance in this Unit will be the satisfactory achievement of the standards set out in this part of the Unit specification. All sections of the statement of standards are mandatory and cannot be altered without reference to SQA.

Outcome 1

Demonstrate the knowledge and understanding required to set out and build half brick walling.

Performance Criteria

- (a) Recognise the terminology used when building half brick walling.
- (b) Identify tools and equipment used to build half brick walling.
- (c) Identify standard measurements used in setting out and building half brick walls.
- (d) Identify basic techniques and sequences used in building half brick walls.

Outcome 2

Select, use and maintain the basic bricklaying tools and equipment.

Performance Criteria

- (a) The selection of tools and equipment is appropriate for the work to be done.
- (b) The tools are used in the correct manner.
- (c) The tools are used solely for the purpose which they are intended.
- (d) The tools are cleaned and maintained properly.

Outcome 3

Measure and set out half brick walling.

Performance Criteria

- (a) The walls are measured accurately.
- (b) The walls are marked and set out correctly.
- (c) The bond is set out correctly.
- (d) The levels at both ends are established.

Outcome 4

Build half brick walling.

Performance Criteria

- (a) The walls are built to the given working drawings.
- (b) The walls are built to the prescribed standards and tolerances.

National Unit specification: Statement of standards (cont)

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Outcome 5

Build an extended length of half brick walling.

Performance Criteria

- (a) The wall is built to the given working drawings.
- (b) The wall is built to the prescribed standards and tolerances.

Evidence Requirements for this Unit

Learners must adhere to relevant Health and Safety regulations and legislation relating both to working practices within the construction environment, as well as those specific to any practical task they are requested to carry out (such as emphasising the importance of selecting and using the correct PPE at all times).

Evidence is required to demonstrate that learners have achieved all Outcomes and Performance Criteria.

Written and/or oral evidence is required which demonstrates that the learner has achieved Outcome 1 to the standard specified in the Outcome and Performance Criteria. The evidence for this Outcome should be obtained under controlled, supervised conditions. The assessment will be closed-book and should last no more than 45 minutes.

Performance evidence supplemented with an assessor observation checklist/record should be used to show that the learner has achieved Outcomes 2, 3, 4 and 5 to the standard specified in the Outcomes and Performance Criteria. Each learner will be observed to show that they can achieve the following throughout the delivery of the Unit:

- ◆ measure walls out accurately
- ◆ set out and dry bond the first course correctly
- ◆ set out the levels on the first course
- ◆ build basic walls working from information given on 3-dimensional drawings
- ◆ behave in a safe manner at all times

These half brick walls will include:

- 1 A straight wall with a stopped end and racked back. (minimum height eight courses).
- 2 A return corner racked back on both tails. (minimum height eight courses).
- 3 An extended length of half brick walling in stretcher bond (minimum height eight courses, minimum length 12 bricks).
This extended length of wall can be incorporated with either (1) or (2) above.

It is recommended that learners should work in pairs to carry out Outcomes 5.

Assessment of this Unit should be completed over a period of time and evidence should be gathered at appropriate intervals.



National Unit Support Notes

Unit title: Half Brick Walling: An Introduction (SCQF level 4)

Unit Support Notes are offered as guidance and are not mandatory.

While the exact time allocated to this Unit is at the discretion of the centre, the notional design length is 20 hours.

Guidance on the content and context for this Unit

This Unit has been developed as an optional Unit in the National Progression Award in Construction and can also be delivered as a free-standing Unit.

The content and context of this Unit is aimed at learners who are interested in pursuing a career in the craft of bricklaying. Learners will be required to gain an understanding of the correct terminology and sequences of half brick walling and will gain practical experience of building half brick walls to given tolerances with the use of 3-dimensional drawings.

The learning environment for this Unit will be a combination of classroom and workshop based learning. The knowledge element of this Unit would be taught in a classroom environment and put into practice in the workshop in conjunction with practical Outcomes.

Health and Safety and Sustainability are integral and key to the Construction Industry therefore throughout the Unit emphasis will be placed where appropriate on the application of Health and Safety and Sustainability. Safety working practices should be looked at in accordance with current safety codes of practice and regulations. Sustainability should include reference to criteria affecting sustainability, impact of not implementing sustainability on the environment and the legislation promoting sustainability

Guidance on approaches to delivery of this Unit

The learner is required to develop the ability to use tools correctly and work in a safe manner at all times and therefore it is anticipated that the bulk of the teaching will take place in a workshop/site environment. During the process of practical work the learner requires to become accustomed to the use of brickwork terms and also to demonstrate knowledge of these terms. It will be required to use a holistic/integrated approach to the assessment of the Outcomes of this Unit. There must be emphasis on the importance of establishing accurate levels on the first course of brick laid, and also the critical aspects of getting the first three course of brick plumb. The use of the pocket level combined with the training of eye sighting, with emphasis on building to the line are a priority at this stage of the learner's vocational development.

National Unit Support Notes (cont)

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Guidance on approaches to assessment of this Unit

Centres may use the method of assessment which they consider to be most appropriate but are encouraged to use the Training Assessment Programme (TAP) developed centrally by SQA. It is expected that learners will have to demonstrate current knowledge and understanding of safe working practice and risk assessment methods, etc prior to being set the assessment tasks.

Knowledge and Understanding of the processes involved in *Half Brick Walling: An Introduction (SCQF level 4)* should be assessed before any practical assignments are carried out by learners. This will include assessment of a learner's ability to prepare the work area for laying modular pavement.

Practical assignments should be carried out under supervised conditions and recorded in an assessor observation/operational checklist. Assessments should confirm that a learner has the ability to safely lay modular pavement using designated machinery or equipment correctly and safely, whilst adhering to current statutory Health and Safety regulations and legislation.

Adherence to current statutory working regulations and Health and Safety procedures will be observed during the practical exercise carried out by the learner towards all Outcomes.

Detailed assessment material for this Unit will be found in the relevant Training and Assessment Programme (TAP). Centres may use the instruments of assessment which they consider to be most appropriate but are advised to use the TAP which has been developed centrally by SQA. Any other instruments of assessment used must be comparable to the TAP and have been prior verified.

Opportunities for e-assessment

E-assessment may be appropriate for some assessments in this Unit. By e-assessment we mean assessment which is supported by Information and Communication Technology (ICT), such as e-testing or the use of e-portfolios or social software. Centres which wish to use e-assessment must ensure that the national standard is applied to all learner evidence and that conditions of assessment as specified in the Evidence Requirements are met, regardless of the mode of gathering evidence. The most up-to-date guidance on the use of e-assessment to support SQA's qualifications is available at www.sqa.org.uk/e-assessment.

National Unit Support Notes (cont)

Unit title: Half Brick Walling: An Introduction (SCQF level 4)

Opportunities for developing Core and other essential skills

The elements of the Core Skill of *Problem Solving*, such as Planning and Organising and Critical Thinking will be developed and enhanced as learners undertake this Unit. Learners will need to take account of a range of factors in order to work efficiently and safely, such as the choice of tools, their proper maintenance, appropriate materials, safety issues, safety equipment and sustainability. Individual discussions with assessors will enhance the evaluation of efficient working practices.

There are opportunities for learners to develop co-operative working skills, particularly in Outcome 5, as it is recommended that this practical assessment be carried out in pairs, as part of teaching and learning. Learners will need to agree responsibilities and provide support and information to each other during the assessment. After the assessment, they should be encouraged to consider how effectively they supported each other.

Opportunities also arise for learners to develop the Core Skill of *Information and Communication Technology (ICT)* by researching Health and Safety legislation affecting their area of work.

Numeracy skills will be naturally enhanced through the interpretation of information from 3-dimensional working drawings and the practical use of calculation and measuring scales required in the teaching and learning assessments for Outcomes 3, 4 and 5.

Although *Communication* skills are not formally assessed, learners will have the opportunity to develop Written and/or Oral Communication skills for the closed-book assessment for the knowledge part of the Outcome 1 teaching and learning assessment. As learners complete practical tasks, they should be expected to communicate with others using the correct terminology, tone and style suited to the workplace.

History of changes to Unit

Version	Description of change	Date
02	Clarification of Standards and updated to new Unit Specification Standard.	29/04/16

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General information for learners

Unit title: Half Brick Walling: An Introduction (SCQF level 4)

This section will help you decide whether this is the Unit for you by explaining what the Unit is about, what you should know or be able to do before you start, what you will need to do during the Unit and opportunities for further learning and employment.

This Unit is aimed at those who are interested in pursuing a career in the craft of bricklaying. You will gain an understanding of the terminology and sequences of half brick walling and will gain practical experience of building half brick walls and the use of 3-dimensional drawings.

You will also be provided with the knowledge to allow you to appreciate the reasons for carrying out the practical work in the manner directed and the reasons for using specific tools, materials, components and equipment.

Health and Safety and Sustainability are integral and key to the Construction Industry therefore throughout the Unit emphasis will be placed where appropriate on the application of Health and Safety and Sustainability. Safety working practices will be looked at in accordance with current safety codes of practice and regulations.

There will be a series of training exercises followed by some practical task based assessment and multi choice knowledge assessment. Completion of the Unit will provide you with the basic skills necessary to enable you to progress to more complex aspects of half brick walling which in turn will further develop your skills and knowledge.

The elements of the Core Skill of *Problem Solving*, such as Planning and Organising and Critical Thinking will be developed and enhanced as you undertake this Unit. You will need to take account of a range of factors in order to work efficiently and safely, such as the choice of tools, appropriate materials, safety issues, safety equipment and sustainability.

There are opportunities to develop co-operative working skills, where you will agree responsibilities and provide support and information to others.

Opportunities also arise to develop the Core Skill of *Information and Communication Technology (ICT)* by researching Health and Safety legislation affecting your area of work.

Numeracy skills will be naturally enhanced through the interpretation of information from 3 dimensional working drawings and the practical use of calculation and measuring scales. Although *Communication* skills are not formally assessed, you will have the opportunity to develop Written and/or Oral Communication skills.