National Unit Specification: general information

UNIT Stonemasonry: Snecked Walling with Block Backing (SCQF level 6)

CODE F6RA 12

SUMMARY

This Unit is suitable for candidates working towards a Modern Apprenticeship in Stonemasonry and will develop the candidates craft skills in snecked walling. This Unit is designed to provide candidates with competence in the use of tools and equipment to set out and build snecked walling and an internal and external corner, and the ability to apply these skills in the workplace. It is also designed to enable candidates to develop their understanding and use of stonemasonry terminology, components, techniques and practices to set out and build snecked walling with internal and external corners.

OUTCOMES

1 Demonstrate knowledge and understanding of terminology, components and construction practices used in setting out and building of snecked walling.
2 Set out and build straight snecked walling with block backing.
3 Set out and build internal and external corner in snecked walling with block backing.
4 Flush point snecked walling.

RECOMMENDED ENTRY

While entry is at the discretion of the centre, candidates undertaking the Professional Development Award in Stonemasonry at SCQF level 6 must meet the requirements of the Modern Apprentices which include being employed in the relevant craft industry.

Administrative Information

Superclass: TG

Publication date: May 2009

Source: Scottish Qualifications Authority

Version: 01

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National Unit Specification: general information (cont)

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CREDIT VALUE

1credit at SCQF level 6 (6 SCQF points at SCQF level 6*)

**SCQF Credit points are used to allocate credit to qualifications in the Scottish Credit and Qualifications Framework (SCQF). Each qualification in the Framework is allocated a number of SCQF credit points at a SCQF level. There are 12 SCQF levels, ranging from Access 1 to Doctorates.*

CORE SKILLS

There is no automatic certification of Core Skills or Core Skill components in this Unit. Opportunities for developing aspects of the following Core Skills are highlighted in Support Notes of this Unit:

- *Problem Solving* at SCQF level 4
- *Working with Others* at SCQF level 4
- *ICT* at SCQF level 3
- *Numeracy* at SCQF level 4
- *Communication* at SCQF level 4

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 the Scottish Qualifications Authority.

OUTCOME 1

Demonstrate knowledge and understanding of terminology, components and construction practices used in snecked walling.

Performance Criteria

(a) Define terminology relating to snecked walling.
(b) Identify and select setting out techniques correctly.
(c) Identify and select components and construction practices correctly.

OUTCOME 2

Set out and build straight snecked walling with block backing.

Performance Criteria

(a) Set out walling in accordance with the given specifications.
(b) Build snecked walling in accordance with the given specifications.
(c) Build walling plumb, and to alignment.
(d) Comply with current Health and Safety requirements during all work methods and activities.

OUTCOME 3

Set out and build internal and external corner in snecked walling with block backing.

Performance Criteria

(a) Set out snecked internal and external corners in accordance with the given specifications.
(b) Build snecked corners in accordance with the given specifications.
(c) Build snecked walling plumb, level and square.
(d) Comply with current Health and Safety requirements during all work methods and activities.

OUTCOME 4

Flush point snecked walling.

Performance Criteria

(a) Flush all open joints and beds.
(b) Gently apply soft brush to remove excess mortar.
(c) Comply with current Health and Safety requirements during all work methods and activities.

National Unit Specification: statement of standards (cont)

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EVIDENCE REQUIREMENTS FOR THIS UNIT

These evidence requirements will be met by the completion of the Stonemasonry Training and Assessment Programme (TAP).

Evidence is required to demonstrate that the candidate has achieved this Unit to the standard specified in all Outcomes and Performance Criteria.

Written and/or oral recorded evidence is required to demonstrate that the candidate has achieved Outcome 1 to the standard specified in the Performance Criteria. Candidates will be required to demonstrate their knowledge of terminology, components, techniques and practices by defining terms, describing setting out techniques and identifying required components and construction practices. This assessment will take the form of a question paper and will be conducted under controlled, closed book, supervised conditions.

Product and performance evidence is required to demonstrate that the candidate has achieved Outcomes 2, 3 and 4 to the standards specified in the Performance Criteria. Candidates will be required to build straight snecked walling and an internal and external corner.

Assessment of these Outcomes will be evidenced through observation of work processes and assessment of the completed workpieces. Candidates must meet the given standards and tolerances during the practical assessments. An assessor observation checklist must be used to record this evidence. Assessment should be conducted under controlled, supervised conditions.

Outcomes 2, 3 and 4

Summary of standards (working towards industrial tolerances)	
Item	Measurement of standard
Straight walling length 2000 mm	±10 mm
Gauge 940 mm	±10 mm
level	±10 mm
Plumb	±10 mm
Joint thickness	±5 mm
Maximum three stones to a joint	Yes/No
Bond pattern correct	Yes/No
External return square	±5 mm
Internal return square	±5 mm
Stones cut square	Yes/No
Face of stone	Clean
Pointing – neat flush finish	Yes/No
Health and safety	Complies at all times
Risk Assessment	Safety boots worn at all times Hard hat worn at all times High visibility vest worn at all times All other PPE as risk assessed
Method Statement	Working area kept clean at all times Materials stacked correctly at all times Tools handled correctly at all times Tools cleaned and stored safely at end of working day

National Unit Specification: support notes

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This part of the Unit Specification is offered as guidance. The support notes are not mandatory.

While the exact time allocated to this Unit is at the discretion of the centre, the notional design length is 40 hours.

GUIDANCE ON THE CONTENT AND CONTEXT FOR THIS UNIT

This Unit has been developed as a mandatory Unit in the Professional Development Award in Stonemasonry at SCQF level 6.

The successful completion of this Unit will provide candidates with the required underpinning knowledge and skills relating to setting out techniques and construction practices and components associated with setting out and building snecked walling.

This Unit should be offered to candidates from the construction and related services industries. The skills and knowledge and understanding are transferable within different working environments but the Unit is primarily aimed at candidates whose normal place of work would be a site, workshop, or similar environment.

The Unit deals with setting out and building snecked walling and an internal and external corner. It should be delivered as part of a structured programme of training and orientated to the context of the candidate's work and area of responsibility. Aspects of this Unit could be integrated with *Stonemasonry: Timber Frame Construction* (SCQF level 6).

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 LEARNING AND TEACHING APPROACHES FOR THIS UNIT

The candidate is required to develop the ability to set out and build snecked walling in a safe manner at all times and, therefore, it is anticipated that the majority of learning will take place in a workshop/site environment.

Practical demonstrations underpinned by effective questioning techniques should focus on key skills, construction practices, techniques and underpinning knowledge related to the setting out and building of snecked walling. During the learning process, practical learning is fundamental as candidates must become proficient in terminology and construction practices relevant to snecked walling.

National Unit Specification: support notes (cont)

UNIT Stonemasonry: Snecked Walling with Block Backing (SCQF level 6)

Opportunities should be taken throughout delivery of this Unit to meet the requirements of the generic Units of the Training and Assessment Programme including:

- Conform to General Workplace Safety
- Confirm Work Activities and Resources for the Work
- Develop and Maintain Good Working Relationships
- Confirm the Occupational Method of Work
- Conform to Efficient Working Practices
- Move and Handle Resources

OPPORTUNITIES FOR CORE SKILL DEVELOPMENT

Components of the Core Skill of *Problem Solving* at SCQF level 4, such as Planning and Organisation and Critical Thinking will be developed as candidates undertake this Unit. Candidates 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. Individual discussions with assessors will enhance the evaluation of efficient working practices.

There are opportunities to develop the Core Skill of *Working with Others* at SCQF level 4, particularly in Outcomes 2, 3 and 4 as this practical assessment may be carried out working in pairs, as part of teaching and learning. Candidates can agree responsibilities and provide support and information to each other during the assessments. After assessment, they should be encouraged to consider how effectively they supported each other.

Opportunities also arise for candidates to develop the Core Skill of *Information and Communication Technology* at SCQF level 3 by researching Health and Safety legislation affecting their area of work.

Numeracy at SCQF level 4 could be developed through the interpretation of information from 3 dimensional working drawings and the practical use of calculation and measuring scales required for teaching and learning assessments for Outcomes 2 and 3.

There will be opportunities for candidates to develop the Core Skill of *Communication* at SCQF level 4. Candidates will have the opportunity to develop written and/or oral communication skills for the knowledge part of the assessment for Outcome 1. As candidates complete practical tasks, they should be expected to communicate with others using the correct terminology, tone and style suited to the workplace.

GUIDANCE ON APPROACHES TO ASSESSMENT FOR THIS UNIT

Detailed assessment material for this Unit will be found in section 2 of the Stonemasonry 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 Stonemasonry TAP which has been developed centrally by SQA. Any other instruments of assessment used must be comparable to the TAP and have been through prior verification.

National Unit Specification: support notes (cont)

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The candidate's knowledge and understanding of terminology, techniques and construction practices and components related to setting out and construction of snecked walling will be assessed through a question paper.

Candidates should be given as much practise as possible in setting out and building of snecked walling prior to being set the assessment. Evidence will be gathered for Outcomes 2, 3 and 4 through observation of work processes and assessment of the completed workpieces to ensure that the candidates have met the given standards and tolerances during the practical assessment. An assessor observation checklist should be used to record this evidence.

Opportunities for the use of 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 e-checklists. Centers which wish to use e-assessment must ensure that the national standard is applied to all candidate evidence and that conditions of assessment as specified in the Evidence Requirements are met, regardless of the mode of gathering evidence. Further advice is available in *SQA Guidelines on Online Assessment for Further Education (AA1641, March 2003), SQA Guidelines on e-assessment for Schools (BD2625, June 2005)*.

DISABLED CANDIDATES AND/OR THOSE WITH ADDITIONAL SUPPORT NEEDS

The additional support needs of individual candidates should be taken into account when planning learning experiences, selecting assessment instruments, or considering whether any reasonable adjustments may be required. Further advice can be found on our website **www.sqa.org.uk/assessmentarrangements**