Level 1 Certificate in Basic Construction Skills - Multi-crafts (6217-08)

Qualification handbook

www.cityandguilds.com
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City & Guilds is the UK's leading provider of vocational qualifications, offering over 500 awards across a wide range of industries, and progressing from entry level to the highest levels of professional achievement. With over 8500 centres in 100 countries, City & Guilds is recognised by employers worldwide for providing qualifications that offer proof of the skills they need to get the job done.

City & Guilds Group
The City & Guilds Group includes ILM (the Institute of Leadership & Management) providing management qualifications, learning materials and membership services and NPTC (National Proficiency Tests Council) which offers land-based qualifications. City & Guilds also manages the Engineering Council Examinations on behalf of the Engineering Council.

Equal Opportunities
City & Guilds fully supports the principle of equal opportunities and we are committed to satisfying this principle in all our activities and published material. A copy of our equal opportunities policy statement 'Access to assessment' is available on our website or from the Customer Relations team.

Publications
City & Guilds publications are available online or from our Publications Sales department at the address below or by telephoning +44 (0)20 7294 2850 or faxing +44 (0)20 7294 3387.

City & Guilds
1 Giltspur Street
London, EC1A 9DD
T +44 (0)20 7294 2468
F +44 (0)20 7294 2400 **www.cityandguilds.com**

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Contents

About this document

This document contains the qualification specific details that centres will require to offer the Level 1 Certificate in Basic Construction Skills – Multi-crafts.

This document includes guidance on

- centre resource requirements
- candidate entry requirements
- information about progression to other qualifications
- qualification standards/specifications
- assessment requirements
- evidence recording forms

Other relevant publications

There are other City & Guilds documents which contain the latest information regarding the assessment of VRQs:

- Providing City & Guilds qualifications – a guide to centre and scheme approval
- Ensuring quality - containing updates on assessment and policy issues
- City & Guilds centre toolkit – additional information on running City & Guilds qualifications, in a CD-ROM, which links to the internet for access to the latest documents, reference materials and templates
- City & Guilds Directory of Awards – provides details of general regulations, registration and certification procedures and fees. This information also appears on the online qualification administration service for City & Guilds approved centres - The Walled Garden at www.walled-garden.com.

If there are any differences between the Directory of Awards and this Guide, the Directory of Awards has the most up-to-date information.

The City & Guilds website: www.cityandguilds.com, contains details of how to obtain other publications and resources.

General information

The Certificates in Basic Construction Skills qualifications have been designed by City & Guilds to provide basic training in construction skills for those seeking employment in the construction industry. They are suitable for use with learners who have no previous experience or knowledge of the construction craft skills.

These qualifications are aimed at providing an introduction to these crafts and they specifically provide an understanding of particular craft tasks, not occupational competence in the craft. They are suitable for learners who do not have access to an NVQ, as they can contribute towards the knowledge and understanding required for the related NVQ, while not requiring or proving evidence of occupational competence.

The qualification structure

The **Level 1 Certificate in Basic Construction Skills – Multi-crafts** will be awarded to successful candidates on completion of the required combination of units. A total of **fifteen** units in all are required to achieve the qualification, including five each from three occupational groups.

General structure

Each qualification is made up of units expressed in a standard format. Each unit specification includes details of

- aim of the unit
- learning outcomes (practical activities and underpinning knowledge)
- assessment methods (assignment specification)

Assessment and quality assurance

National standards and rigorous quality assurance are maintained by the use of City & Guilds' Assignments, marked by the centre according to externally set marking criteria, with quality assurance provided by the centre and monitored by City & Guilds' external verification system, to ensure that national standards are maintained.

To gain the qualification candidates must undertake an assignment for each of the mandatory units, plus an assignment for each of the optional units studied.

Each assignment specification includes details of

- the requirements of the assignment
- the performance criteria required to pass
- a working drawing
- evidence recording forms

Each assignment assesses the practical activities and samples the underpinning knowledge.

Multiple choice question on-line test

The underpinning knowledge shown in each unit covers necessary basic health and safety and good working practices. This is assessed by an additional multiple choice question test, via City & Guilds Global On-line Assessment (GOLA) system. It is not mandatory and can be completed as an additional unit and

may be useful for candidates who are expected to progress to higher level construction qualifications, such as NVQs. See Centre Requirements for further information about GOLA.

Verification of assessments

Although the Certificates in Basic Construction Skills do not imply occupational competence, they are designed as an introduction to N/SVQ programmes. It is for this reason that, when assignments are assessed, it is important that reference is made to N/SVQ assessment methodology. Assessors/tutors will need to be familiar with the occupational standards for Construction N/SVQs, because a similar system of internal verification is used. This means that the work of assessors involved in the qualification must be monitored by an Internal Verifier/scheme co-ordinator, to ensure that they are applying the standards consistently throughout assessment activities.

If a candidate's work is selected for verification, samples of work must be available to the appointed External Verifier.

An External Verifier will make an annual visit to the centre and their role includes the following:

- ensuring that Internal Verifiers are undertaking their duties satisfactorily
- monitoring internal quality assurance systems and sampling assessment activities, methods and records
- acting as a source of advice and support
- promoting best practice
- providing prompt, accurate and constructive feedback to all relevant parties on the operation of centres' assessment systems.

For candidates with particular requirements, centres should refer to City & Guilds policy document Access to assessment, candidates with particular requirements.

External Verifiers act on behalf of City & Guilds to ensure that national standards are maintained. Full details of their role can be found in Providing City & Guilds' Qualifications - a guide to centre and scheme approval.

Candidate entry and progression

There are no formal entry requirements for candidates undertaking this qualification. However, centres must ensure that candidates have the potential and opportunity to be successful in gaining their qualification/s.

Initial assessment and induction

Centres will need to make an initial assessment of each candidate prior to the start of their programme to ensure they are entered for an appropriate type and level of qualification.

The initial assessment should identify any specific training needs the candidate has, and the support and guidance they may require when working towards their qualification/s.

City & Guilds recommends that centres provide an induction programme to ensure the candidate fully understands the requirements of the qualification/s they will work towards, their responsibilities as a candidate, and the responsibilities of the centre. It may be helpful to record the information on a learning contract.

It is **recommended** that centres and candidates complete an initial assessment plan to take into account

- Any prior learning that can be taken into consideration
- The type of course appropriate for the candidate
- The candidate's preferred learning styles
- Key skills strengths and weaknesses
- Any open or distance learning materials that will be used
- A target for completion of the award

Further guidance about initial assessment and induction, as well as a learning contract that centres may use, are available in the Centre toolkit.

Furthermore centres should ensure that candidates do not register for this award if they hold or are registered with City & Guilds or another awarding body for an award of the same level and content.

Age requirements

This qualification is unsuitable for candidates under the age of sixteen.

Progression

The qualification provides knowledge and/or practical skills related to the N/SVQ Level 1 in Plastering.

On completion of the qualification/s candidates may progress to

- CITB/City & Guilds Level 1 Foundation Construction Award
- CITB/City & Guilds Level 2 Intermediate Construction Award
- An apprenticeship in construction

For further information on apprenticeships and careers in construction visit www.bconstructive.co.uk

Course design and delivery

Recommended delivery strategies

Centre staff should familiarise themselves with the structure, content and assessment requirements of the qualification/s before designing a course programme. In particular, staff should consider the skills and knowledge related to the national occupational standards. Mapping to the relevant NVQs/National Occupational Standards is shown on page 14.

Provided that the requirements for the qualification are met, centres may design course programmes of study in any way that they feel best meets the needs and capabilities of their candidates. Centres may wish to include topics as part of the course programme, which will not be assessed through the qualification/s.

It is recommended that centres cover the following in the delivery of the course, where appropriate

- Key Skills (such as Communication, Application of Number, Information technology, Working with others, Improving own learning and performance, Problem solving)
- Health and safety considerations, in particular the need to impress to candidates that they must preserve the health and safety of others as well as themselves
- Equal opportunities
- Spiritual, moral, social and cultural issues
- Environmental education
- European dimension
- Employment rights and responsibilities

It is recommended that 300 hours should be allocated for the core and optional units required for certification. This may be on a full or part time basis.

Health and Safety

The importance of safe working practices must always be stressed. Candidates have responsibilities for the safety of others as well as themselves. Anyone behaving in an unsafe manner must be stopped and suitable warning given. A candidate should not be allowed to continue working on an assignment if they have contravened these requirements.

Machinery, tools and equipment

Centres must have access to sufficient equipment in the college, training centre or workplace to ensure candidates have the opportunity to cover all of the practical activities.

It is acceptable for centres to use specially designated areas within a centre for some of the units.

The equipment, systems or machinery must be of an industrial standard and be capable of being used under normal working conditions.

Feedback

The Assignments are intended as a formal assessment of candidates' practical skills. They are not designed as teaching aids and candidates should not be entered until they are ready. Should a candidate fail any of these Assignments other than on health & safety grounds, as stated above, appropriate feedback should be given by the assessor both to the candidate and the tutor concerned.

If a candidate's work is selected for verification, samples of work must be available to the appointed External Verifier.

Equal opportunities

It is a requirement of centre approval that centres have an equal opportunities policy (see PCGQ). The regulatory authorities require City & Guilds to monitor centres to ensure that equal opportunity policies are being followed.

The City & Guilds equal opportunities policy is set out on the City & Guilds website: www.cityandguilds.com, in PCGQ, in the Directory of Awards, and is also available from the City & Guilds Customer Relations department.

Access to assessment

City & Guilds' guidance and regulations on access to assessment are designed to facilitate access to assessment and qualifications for candidates who are eligible for adjustments in assessments. Access arrangements are designed to allow attainment to be demonstrated.

See City & Guilds Access to assessment and qualifications, available on the City & Guilds website, for further information.

Appeals

Centres must have their own, auditable, appeals procedure that must be explained to candidates during their induction. Appeals must be fully documented by the quality assurance co-ordinator and made available to the External Verifier or City & Guilds.

Further information on appeals is given in PCGQ. There is also appeals information for centres and learners on the City & Guilds website or available from the Customer Relations department.

Centre requirements

Obtaining centre and scheme approval

Centres wishing to offer City & Guilds qualifications must gain approval.

New centres must apply for centre and scheme approval.

Existing City & Guilds centres will need to get specific scheme approval to run this Award.

Full details of the process for both centre and scheme approval are given in Providing City & Guilds qualifications - a guide to centre and scheme approval which is available from City & Guilds' regional offices.

City & Guilds reserves the right to suspend an approved centre, or withdraw its approval from an approved centre to conduct a particular City & Guilds' scheme or particular City & Guilds' schemes, for reasons of debt, malpractice or for any reason that may be detrimental to the maintenance of authentic, reliable and valid qualifications or that may prejudice the name of City & Guilds.

Online Assessment (GOLA)

Part of the qualification is assessed by GOLA (City & Guilds' Global on-line Assessment). In addition to obtaining centre and scheme approval, centres are also required to set up a GOLA profile in order to offer the online test to candidates. Setting up a GOLA profile is a simple process that needs only be completed once.

Details of how to set up the profile and GOLA technical requirements are available on the City & Guilds website www.cityandguilds.com /gola. The GOLA section of the website also has details of the GOLA helpline for technical queries and downloads for centres and candidates about GOLA tests.

Centres should also refer to PCGQ for further information on GOLA.

Registration and certification

For the award of a certificate, candidates must successfully complete **five** units from each of **three** of the following occupations, **fifteen** units in total. The additional assessment 099 does not count as either a mandatory or optional unit, but may be achieved in addition to the units required for achievement of the qualification.

Carpentry and Joinery

Any FIVE from SIX must be completed

Unit	Title	Component
001	Fixing skirting to a timber background	6217-08-001
003	Fixing door lining in stud partition or blockwork opening	6217-08-003
004	Hanging an internal door	6217-08-004
027	Constructing a panelled door	6217-08-027
080	Constructing a nail box	6217-08-080
082	Constructing furniture - garden gate	6217-08-082

Plumbing

Any FIVE from SIX must be completed

Units	Title	Component
021	Transferring levels in plumbing	6217-08-021
022	Working with non-manipulative compression fittings	6217-08-022
023	Copper pipe bending and jointing	6217-08-023
024	Working with steel pipework and fittings	6217-08-024
025	Connecting plastic fittings to a utility sink	6217-08-025
026	Connecting plastic fittings to a cold water cistern and central heating header tank	6217-08-026

Electrical installation

All FIVE must be completed

Unit	Title	Component
032	Connection of flex to common apparatus	6217-08-032
033	Installing a one way lighting circuit	6217-08-033
034	13 amp switched socket wired in ring main	6217-08-034
035	Cut, bend and thread conduit	6217-08-035
036	Trunking	6217-08-036

Painting and Decorating

Any FIVE from SIX must be completed

Unit	Title	Component
019	Burning off and applying acrylic paint	6217-08-019
020	Designing nameplate in block stencil	6217-08-020
089	Introduction to accessing for painting and decorating	6217-08-089
090	Stripping, repairing and crosslining for wallpaper	6217-08-090

091	Preparing and bringing forward to an oil gloss finish	6217-08-091
092	Preparing an area to receive vinyl silk emulsion	6217-08-092

Bricklaying

Any FIVE from SIX must be completed

Unit	Title	Component
028	Constructing half-brick wall in stretcher bond	6217-08-028
029	Constructing one-brick wall in English Bond	6217-08-029
030	Constructing semi-circled arch (rough ringed)	6217-08-030
031	Constructing a detached hollow pier	6217-08-031
046	Constructing block walling	6217-08-046
093	Constructing cavity wall	6217-08-093

Plastering

All FIVE must be completed

Unit	Title	Component
094	Applying rendering	6217-08-094
095	Applying a floating coat	6217-08-095
097	Applying and finishing a setting coat	6217-08-097
096	Straightening and floating ceiling	6217-08-096
098	Applying and finishing the setting coat to a floated ceiling	6217-08-098

Additional multi choice on-line test

Unit	Title	Component
099	Basic Construction Skills test	6217-08-099

Registration and certification

Candidates do not have to register.

When assignments have been successfully completed, candidate results should be submitted via the Walled Garden, www.walled-garden.com. Centres should note that results will NOT be processed by City & Guilds until verification records are complete.

Full details on all the above procedures will be found on City & Guilds web site http://www.cityandguilds.com

Connections to other qualifications/National Occupational Standards

City & Guilds has identified connections to other qualifications/National Occupational Standards (NOS) for the convenience of centres and candidates. This mapping is provided as guidance and suggests areas of overlap and commonality between the qualification/s. It does not imply that candidates completing units in one qualification are automatically covering *all* of the content of the qualification/s listed in the mapping.

Centres are responsible for checking the different requirements of *all* qualifications they are delivering and ensuring that candidates meet requirements of all units/qualification/s. For example, a qualification may provide knowledge *towards* a N/SVQ, but centres are responsible for ensuring that the candidate has met all of the knowledge requirements specified in the N/SVQ standards.

The qualification/s have connections to the

Wood Occupations NVQs, Decorative Occupations NVQs, Trowel Occupations NVQs, Plastering NVQs, Electrical Installation NVQs, MES Plumbing NVQs

Where the NVQ is at a higher level than this qualification, eg Level 2, the following table shows signposting for learning that could support the Level 2 NVQ.

	Carpentry and Joinery	**This award contributes towards the knowledge and understanding of the following elements of the Level 1 NVQ in Wood Occupations**
001	Fixing skirting to a timber background	Part VR01 Part VR02 Part VR03 Part VR08
003	Fixing a door lining in a stud partition	Part VR01 Part VR02 Part VR03 Part VR09
004	Hanging an internal door fit and fix mortice latch	Part VR01 Part VR02 Part VR06 Part VR07
027	Panelled door	Part VR01 Part VR02 Part VR16
082	Constructing furniture - garden gate	Part VR01 Part VR02 Part VR16
080	Constructing a nail box	Part VR01 Part VR02 Part VR15 Part VR16

	MES Plumbing	This award may contribute towards the knowledge and understanding of the following elements of the NVQ in MES Plumbing Level 2
021	Transferring levels using a spirit level and water level	Part SAN 1 Part SAF 1
022	Non-manipulative compression fittings	Part PIPE 1 Part SAF 1
023	Copper pipe bending and jointing – capillary joints	Part PIPE 1 Part SAF 1
024	Steel pipe work and fittings	Part PIPE 2 Part SAF 1
025	Use of plastic materials for plumbing – utility sink and waste	Part CWS 1 Part SAN 1 Part SAF 1
026	Use of plastic materials for plumbing – water supply	Part CWS 1 Part SAF 1
Unit	**Painting and Decorating**	**This award may contribute towards the knowledge and understanding of the following elements of the Level 2 NVQ in Decorative Occupations**
019	Burn off selected moulded panel door and bring forward to receive acrylic paint	Part VR 330 Part VR 331 Part VR 332 Part VR 333
020	Design nameplate in block stencil	Part VR 341
089	Accessing	Part VR 250
090	Strip, repair and cross line area to receive a selected wallpaper	Part VR 336
091	Prepare and bring forward to an oil gloss finish selected wooden window	Part VR 330 Part VR 331 Part VR 332
092	Prepare selected area to receive vinyl silk emulsion	Part VR 333
	Bricklaying	**This award contributed towards the knowledge and understanding of the following elements of the Level 1 NVQ in Trowel Occupations**
028	Half-brick wall in stretcher bond	Part VR01 Part VR03 Part VR36 Part VR37 Part VR38 Part VR39
029	One-brick wall in English bond	Part VR01 Part VR03 Part VR36 Part VR37 Part VR38 Part VR39

		Part VR40 Part VR41
093	Cavity wall	Part VR01 Part VR03 Part VR36 Part VR37 Part VR38 Part VR39 Part VR40 Part VR41
030	Semi-circular arch-rough ringed	Part VR49
046	Block walling	Part VR01 Part VR02 Part VR03 Part VR40 Part VR41
031	Detached hollow pier	Part VR01 Part VR03 Part VR36 Part VR37 Part VR38 Part VR39 Part VR40 Part VR41
	Plastering	**This award contributes towards the knowledge and understanding of the following elements of the Level 1 NVQ in Trowel Occupations**
094	Apply rendering and imitate ashlar stonework	Part MR07 Part MR08 Part MR09 Part MR 220 Part MR 221
095	Apply a floating coat	Part MR07 Part MR08 Part MR09 Part MR 220 Part MR 221
097	Apply and finish a setting coat	Part MR07 Part MR08 Part MR09 Part MR 220 Part MR 221
096	Straighten and float ceiling	Part MR07 Part MR08 Part MR09 Part MR 219
098	Apply and finish the setting coat to a floated ceiling	Part MR07 Part MR08 Part MR09 Part MR 219

Assessment and recording

To achieve the certificate candidates must pass at least FIVE units from each of their chosen THREE occupations.

Each unit consists of two sections:

1 Candidate's instructions
These should be read to the candidate, who should be allowed to ask any questions for clarification.

The candidates are then required to sign that they have understood what is required.

2 **Assessment record**
This lists the criteria candidates are required to achieve to pass. Against each criterion there are three check boxes. One for the candidate to mark when complete, one for the assessor and one for a second assessor (if present). This record must then be signed by the candidate and assessor on completion of the assignment.

A **Candidate assignment log** is included, which should be completed to keep a record of the assignments/units achieved by the candidate.

Also included is a **Personal assessment plan**, which should be completed before the candidate commences study, and **Personal action plan**, which should be completed during the candidate's study and assessment. Keep these documents with the completed **Assignment records** for internal and external verification purposes.

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Carpentry and Joinery

Candidate Assessment Log

Candidate Name… .....

Schedule of assignments taken

Unit 001	Fixing skirting to timber background	☐
Unit 003	Fixing a door lining in a stud partition	☐
Unit 004	Hanging an internal door	☐
Unit 027	Panelled door	☐
Unit 080	Constructing a nail box	☐
Unit 082	Constructing furniture - garden gate	☐

Any FIVE out of SIX must be completed

Carpentry and Joinery - personal assessment plan

To achieve this part of the qualification you must pass five units from 001, 003, 004, 027, 080, 082. These units can be taken in any order and at any time during the course. All work will be assessed to the City & Guilds standards as detailed.

All work must be completed unaided. All work must be agreed with both the assessor and the candidate prior to commencement.

The assessor will make assessment decisions and any appeals must be made through the internal appeals procedure.

Your work will be subject to internal verification.

Please detail prior learning/experience below.

Candidate's signature and date.....

Assessor's signature and date.....

Carpentry and Joinery

Personal action plan

Name……

Date of birth……

Date started qualification……

Personal action plan whilst working towards this qualification

Sign……

Date……

Review of action plan after two units completed

Sign……

Date……

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Plumbing

Candidate Assignment Log

Candidate Name… .....

Schedule of assignments taken

Unit 021	Transferring levels in plumbing	☐
Unit 022	Working with non-manipulative compression fittings	☐
Unit 023	Copper pipe bending and jointing	☐
Unit 024	Working with steel pipework and fittings	☐
Unit 025	Use of plastic materials for plumbing	☐
Unit 026	Use of plastic materials for plumbing	☐

Any FIVE out of SIX must be completed

Plumbing - personal assessment plan

To achieve this part of the qualification you must pass five units from 021-026. These units can be taken in any order and at any time during the course. All work will be assessed to the City & Guilds standards as detailed.

All work must be completed unaided. All work must be agreed with both the assessor and the candidate prior to commencement.

The assessor will make assessment decisions and any appeals must be made through the internal appeals procedure.

Your work will be subject to internal verification.

Please detail prior learning/experience below.

Candidate's signature and date.....

Assessor's signature and date.....

Plumbing

Personal action plan

Name……

Date of birth……

Date started qualification……

Personal action plan whilst working towards this qualification

Sign……

Date……

Review of action plan after two units completed

Sign……

Date……

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Electrical installation

Candidate Assignment Log

Candidate Name……………………………………………………………………………………………..

Schedule of assignments taken

Unit 032	Connection of Flex to Common Apparatus	☐
Unit 033	Installing a One Way Lighting Circuit	☐
Unit 034	13 amp Switched Sockets Wired in Ring Main	☐
Unit 035	Cut, Bend and Thread Conduit	☐
Unit 036	Trunking	☐

All FIVE assignments must be completed

Electrical Installation - personal assessment plan

To achieve this part of the qualification you must pass all units from 032-036. These units can be taken in any order and at any time during the course. All work will be assessed to the City & Guilds standards as detailed.

All work must be completed unaided. All work must be agreed with both the assessor and the candidate prior to commencement.

The assessor will make assessment decisions and any appeals must be made through the internal appeals procedure.

Your work will be subject to internal verification.

Please detail prior learning/experience below.

Candidate's signature and date.....

Assessor's signature and date.....

Electrical Installation

Personal action plan

Name……

Date of birth……

Date started qualification……

Personal action plan whilst working towards this qualification

Sign……

Date……

Review of action plan after two units completed

Sign……

Date……

6217 Electrical Installation

Guidance notes for tutors

1 Pre-Planning

- a Prepare to work safely
- b Select correct materials
- c Select suitable tools and equipment

2 Measurement and Setting Out

- a Prepare and interpret circuit and location diagrams
- b Do any necessary calculations
- c Select and use measuring equipment
- d Transfer information from drawing to installation

3 Installation Planning

- a Select the appropriate wiring system and conductor size
- b Plan the segregation of circuits
- c State the sequence of control gear
- d Select appropriate protection, ie fuses

4 Testing and Inspection

- a State the sequence for testing and inspecting an installation
- b Select the appropriate test instruments
- c Describe test procedures
- d Compare test results with what an installation requires

5 Problems solving

Combine abilities in Section 1-4 above, to solve everyday craft problems

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Painting and Decorating

Candidate Assignment Log

Candidate Name……………………………………………………………………………………..

Schedule of assignments taken

Unit 019	Burning off and applying acrylic paint	☐
Unit 020	Designing nameplate in block stencil	☐
Unit 089	Introduction to accessing for painting and decorating	☐
Unit 090	Stripping, repairing and crosslining for wallpaper	☐
Unit 091	Preparing and bringing forward to an oil gloss finish	☐
Unit 092	Preparing an area to receive vinyl silk emulsion	☐

Any FIVE out of SIX must be completed

Painting and Decorating – personal assessment plan

To achieve this part of the qualification you must pass FIVE units from 019, 020, 089-092. These units can be taken in any order and at any time during the course. All work will be assessed to the City & Guilds standards as detailed.

All work must be completed unaided. All work must be agreed with both the assessor and the candidate prior to commencement.

The assessor will make assessment decisions, any appeals must be made through the internal appeals procedure.

Your work will be subject to internal verification.

Please detail prior learning/experience below.

Candidate signature and date…… ……

Assessor's signature and date…… ……

Painting and Decorating

Personal action plan

Name……

Date of birth……

Date started qualification……

Personal action plan whilst working towards this qualification

Sign……

Date……

Review of action plan after two units completed

Sign……

Date……

Schedule of Tools and Equipment

Paint kettle (pot)
Paint brushes: 25 mm
38 mm
50 mm
75 mm
Paste brush
Jamb duster
Paperhanging brush
Paint roller – 9 ½
Paint roller tray
Chisel knife – 75 mm
Filling knife – 75 mm
Rubbing block
Paint strainer
Filling board (hawk)
Paste table
Dust sheets
Stepladders
Trestles
Planks
Lightweight staging
Buckets
Putty knife
Flat wall brush
Two piece extension ladder
Hot air gun
Various types and grades of abrasives
Chalk line – Metric rule – Tape
Shellac knotting
Stencil brush
Stencil paper
No 3 chisel sable signwriting brush

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Bricklaying

Candidate Assessment Log

Candidate Name………………………………………………………………………………….

Schedule of assignments taken

Unit 028	Half-brick wall	☐
Unit 029	One-brick wall in English bond	☐
Unit 030	Semi-circular arch – rough ringed	☐
Unit 031	Detached hollow pier	☐
Unit 046	Block walling	☐
Unit 093	Constructing cavity wall	☐

Any FIVE out of SIX must be completed

Bricklaying - personal assessment plan

To achieve this part of the qualification you must pass five units from 028-031, 046, 093. These units can be taken in any order and at any time during the course. All work will be assessed to the City & Guilds standards as detailed.

All work must be completed unaided. All work must be agreed with both the assessor and the candidate prior to commencement.

The assessor will make assessment decisions and any appeals must be made through the internal appeals procedure.

Your work will be subject to internal verification.

Please detail prior learning/experience below.

Candidate's signature and date.....

Assessor's signature and date.....

Bricklaying

Personal action plan

Name……

Date of birth……

Date started qualification……

Personal action plan whilst working towards this qualification

Sign……

Date……

Review of action plan after two units completed

Sign……

Date……

Level 1 Certificate in Basic Construction Skills – Multi-crafts 6217-08

Plastering

Candidate Assignment Log

Candidate Name……

Schedule of assignments taken

Unit 094	Applying rendering	☐
Unit 095	Applying a floating coat	☐
Unit 096	Straightening and floating ceiling	☐
Unit 097	Applying and finishing a setting coat	☐
Unit 098	Applying and finishing the setting coat to a floated ceiling	☐

All FIVE assignments must be completed.

Plastering - personal assessment plan

To achieve this part of the qualification you must pass all five units from 094-098. These units can be taken in any order and at any time during the course. All work will be assessed to the City & Guilds standards as detailed.

All work must be completed unaided. All work must be agreed with both the assessor and the candidate prior to commencement.

The assessor will make assessment decisions and any appeals must be made through the internal appeals procedure.

Your work will be subject to internal verification.

Please detail prior learning/experience below.

Candidate's signature and date.....

Assessor's signature and date.....

Plastering

Personal action plan

Name……

Date of birth……

Date started qualification……

Personal action plan whilst working towards this qualification

Sign……

Date……

Review of action plan after two units completed

Sign……

Date……

Schedule of Tools and Equipment

Hawk
Laying on trowel
Gauging on Trowel
Wood float (medium)
Wood float (small)
Devil float
Lath hammer
Board cutting knife
Stock brush (150 mm)
Tool brush (25 mm)
Level with a plumb
Set square
Jointer
Straight edge
Spot board
Stand
Buckets
Suitable scaffold
Floating rules
Feather edge rule
Darby
Wire scratcher
Measuring rule
Plunger
Scrim
Line
Gauge staff
Dot

Unit 001 Fixing skirting to a timber background

Learning outcomes

Practical activities

The candidate will be able to:

1. Interpret drawings, specification, schedules related to fixing skirting.
2. Install skirting which requires internal and external scribes and mitres to working instructions.
3. Measure, mark out, fit, position, secure and finish the work.
4. Safely use personal protective equipment (PPE).
5. Safely use and store tools and equipment.
6. Protect the work and its surrounding area from damage.
7. Dispose of waste.
8. Minimise damage and maintain a clean work space.
9. Use and maintain hand tools.
10. Manufacture a mitre box.

Underpinning knowledge

The candidate will be able to:

1. State the health and safety implications related to fixing skirting (Health & Safety, COSHH, PPE, PUWER, Manual Handling, Fire Extinguishers and Risk Assessment).
2. State how emergencies should be responded to and who should respond.
3. State the requirements of stud partitions and other backgrounds (block work, brickwork and concrete).
4. State what the accident reporting procedures are and who is responsible for making the reports.
5. State why and when personal protective equipment (PPE) should be used.
6. State the hazards associated with the resources and methods of work.
7. State how to protect work from damage and the purpose of protection.
8. State why the disposal of waste should be carried out safely.
9. State how maintenance of tools and equipment is carried out.
10. State the importance of teamwork when working with other people.

Unit 001 Assignment

Candidate's instructions
Fixing skirting to timber background

Assignment instructions

Time allowed: 1.5 hours

Candidates are required to construct a mitre box in advance of the test. This is not included in the time allocation.

The test should be carried out using at least 3m of 70mm x 15mm moulded softwood skirting, fixed to timber, with two 90° internal angles, two 90° external angles and one 135° external obtuse angle.

This test can be carried out in conjunction with test 3 and 4, and a piece of architrave fitted to the leg of the lining.

Candidates can use any of the tools, equipment and materials provided.

Candidates will be assessed on preparation, finish and cleanliness of both the test area and tools and equipment.

Candidates will be assessed on cutting, mitring, scribing and fixing the skirting to the timber background.

The following instructions should be read to the candidate who should be allowed to ask questions for clarification:

The candidate is required to:

- Use the mitre box constructed earlier to mitre the external joints and to mitre the moulded portion for cutting the internal scribes
- Cut the 135° obtuse external angle
- Cut and tack skirting into position, mark and scribe to the floor
- Fix to timber at 600mm max centres using oval nails punched below surface ready for painter with no hammer marks

I have read and understand what is required for this unit.

Candidate's Signature…… Date……

Assessor's Signature…… Date……

6217-08 Basic Construction Skills – Multi-Crafts

Unit 001 Assignment record

Marking: To pass all boxes in the first two columns must be ticked as correct.

	C	A	A2
Time allowed on test piece 1.5 hours	☐	☐	☐
Mitre Joints fitted tightly	☐	☐	☐
Scribed joints fitted tightly	☐	☐	☐
135° obtuse external mitre fitted tightly	☐	☐	☐
Fixing centres correct to + or – 2m	☐	☐	☐
Skirting scribed and tight fit to floor	☐	☐	☐
Skirting undamaged by fixing marks	☐	☐	☐
Walls undamaged by fixing marks	☐	☐	☐

Candidate's Signature..... Date.....

Assessor's Signature…… Date.....

Internal Verifier's Signature..... Date.....

Number of Attempts on Assignment.....

Assessors Comments:

Unit 003 Fixing door lining in stud partition or blockwork opening

Learning outcomes

Practical activities

The candidate will be able to:

1. Interpret drawings and specifications related to fixing a door lining into a studwork or blockwork opening.
2. Install a door lining into a studwork or blockwork opening to working instructions.
3. Measure, mark out, fit, position, secure and finish the work.
4. Safely use personal protective equipment (PPE).
5. Safely use and store tools and equipment.
6. Select resources associated with own work – materials, components, fixings, tools and equipment.
7. Protect the work and its surrounding area from damage.
8. Minimise damage and maintain a clean work space.
9. Use and maintain hand tools, portable power tools and ancillary equipment.

Underpinning knowledge

The candidate will be able to:

1. State the health and safety implications related to fixing door linings (Health & Safety, COSHH, PUWER, PPE, Manual Handling and Risk).
2. State how emergencies should be responded to and who should respond.
3. Describe the characteristics of a stud partition or blockwork opening.
4. State what the accident reporting procedures are and who is responsible for making the reports.
5. State the need for use of Personal Protective Equipment (PPE).
6. State how the resources should be used.
7. State the hazards associated with the resources and methods of work.
8. State how to protect work from damage and the purpose of protection.
9. Dispose of waste.
10. State how maintenance of tools and equipment is carried out.
11. State the importance of teamwork when working with other people.

Unit 003 Assignment

Candidate's instructions

Fixing a door lining in a stud partition or a blockwork opening

Assignment instructions

Time allowed: 2 hours

A lining set should be provided for assembly and fixing.

Candidates can use any of the tools, equipment and materials provided.

Candidates will be assessed on the assembly of the lining set and the fixing of the door lining to the stud partition or blockwork.

The test should be carried out using the following tools and equipment:
lining set: wrot joinery softwood – finished sizes given

2 2000mm x 118mm x 28mm
1 900mm x 118mm x 28mm
3 900mm x 50mm x 20mm – sawn
12 sets/pairs folding wedges, assorted nails, saw stool, rule, pencil, try square, square rod, claw hammer, nail punch, pincers, straight edge/plumb rule, spirit level (600mm min length).

The following instructions should be read to the candidate who should be allowed to ask questions for clarification:

The candidate is required to:

Assemble lining set and fit brace and double stretcher as shown in Fig 2, and fix lining to prepared opening in stud partition or block work

I have read and understand what is required for this unit.

Candidate's Signature……. Date……

Assessor's Signature……. Date……

Test No.3 Fixing a door lining in a stud partition

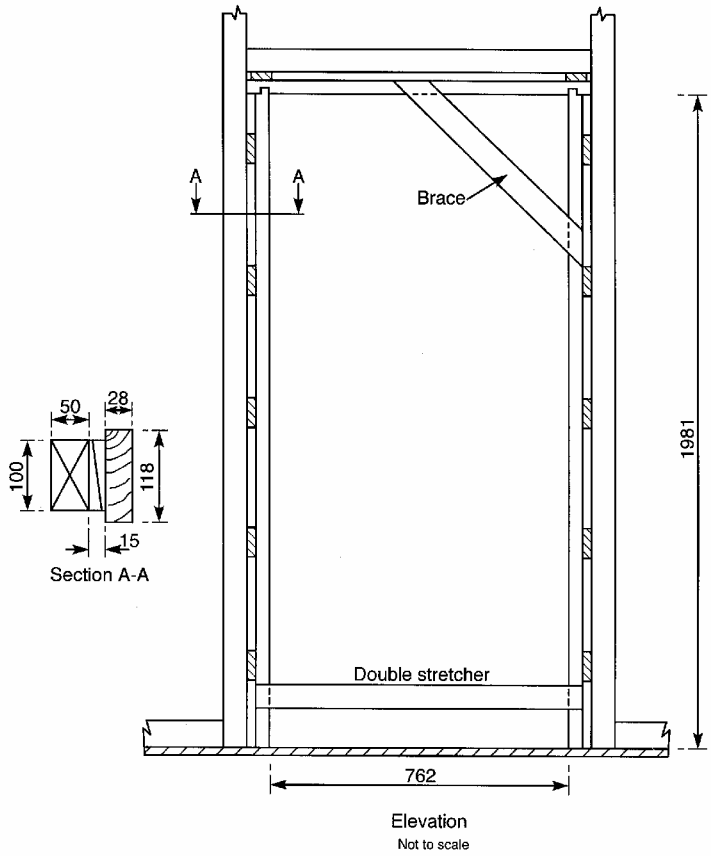


FIG.2.

G&C Ref V6363

6217-08 Basic Construction Skills – Multi-Crafts

Unit 003 Assignment record

Marking: To pass all boxes in the first two columns must be ticked as correct.

	C	A	A2
Time allowed on test piece 2 hours	☐	☐	☐
Internal width of lining 762 + or – 1mm	☐	☐	☐
Internal height of lining 1981 + or - 1mm	☐	☐	☐
Lining square across both diagonals + or - 1mm	☐	☐	☐
Lining fixed with five sets of folding wedges on each side and two skew nails below so that no movement is possible	☐	☐	☐
Each jamb plumb and free from bows and hollows and lining head level	☐	☐	☐
Lining out of wind	☐	☐	☐
Lining wedged down from the head with two sets of folding wedges to fit tight to the floor	☐	☐	☐
All sets of wedges nailed through on completion	☐	☐	☐
All nails punched below surface with no hammer marks	☐	☐	☐

Candidate's Signature..... Date.....

Assessor's Signature… … … … … … … … … … … … ….... Date.....

Internal Verifier's Signature..... Date.....

Number of Attempts on Assignment.....

Assessors Comments:

Unit 004 Hanging an internal door

Learning outcomes

Practical activities

The candidate will be able to:

1. Interpret drawings and specifications related to hanging an internal door, fitting door furniture and fixing a latch.
2. Install an internal door with mortise latch and latch furniture to working instructions.
3. Measure, mark out, fit, position, secure and finish work.
4. Safely use personal protective equipment (PPE).
5. Safely use and store tools and equipment.
6. Protect the work and its surrounding area from damage.
7. Dispose of waste.
8. Minimise damage and maintain a clean work space.
9. Use and maintain hand tools and power tools.

Underpinning knowledge

The candidate will be able to:

1. State the health and safety implications related to hanging internal doors (Health & Safety, COSHH, PUWER, PPE, Manual Handling and Risk).
2. Identify a range of ironmongery for internal doors.
3. State how emergencies should be responded to and who should respond.
4. Identify a variety of internal doors (panel and flush).
5. State what the accident reporting procedures are and who is responsible for making the reports.
6. State the need for use of Personal Protective Equipment (PPE).
7. State the hazards associated with the resources and methods of work.
8. State how to protect work from damage and the purpose of protection.
9. State why the disposal of waste should be carried out safely.
10. State how maintenance of tools and equipment is carried out.
11. State the importance of teamwork when working with other people.

Unit 004 Assignment

Candidate's instructions

Hanging an internal door and fitting a mortice latch

Assignment instructions

Time allowed: 5 hours

The test should be carried out on the door provided and hung into the lining made and fixed in test number three.

Candidates can use any of the tools, equipment and materials provided

Candidates will be assessed on the fitting and hanging of the internal door, cutting and fixing the doorstops, positioning and fitting the mortice latch and fixing the door furniture

The test should be carried out using the following tools and equipment:

1 panelled or flush internal door – 1981mm x 762mm
3 x 100mm butts (complete with screws), mortice latch, set of doorstops, and furniture with screws (countersunk or posidrive and raised heads, etc), 40mm oval nails, saw stool, rule, pencil, try square, marking gauges, jackplane, chisels: 6mm; 10mm; 13mm; 18mm and 25mm bradawls, screwdrivers (preferably ratchet), panel saws, mallet, claw hammer, swing brace, twist bits: 10mm; 13mm; 16mm and 18mm wheelbrace 5/16" drill, powered screwdriver with appropriate bits

The following instructions should be read to the candidate who should be allowed to ask questions for clarification:

The candidate is required to:

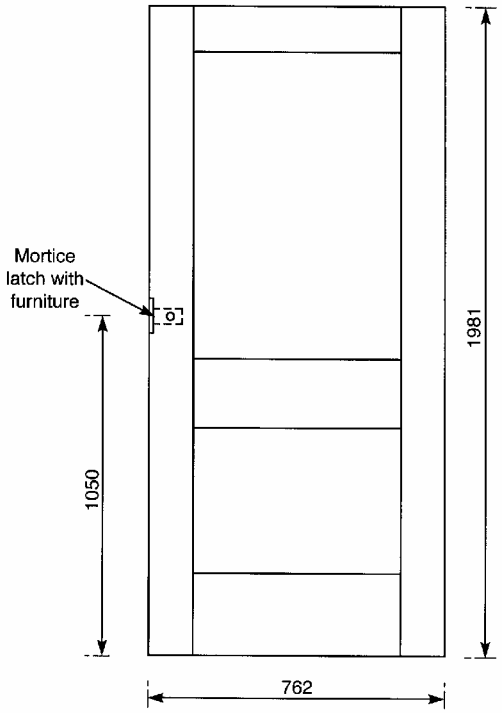
Fit and hang the door provided on three 100mm butts
Fit the mortice latch and furniture, 1050mm from the bottom of the door to the centre spindle hole

I have read and understand what is required for this unit.

Candidate's Signature……. Date……..

Assessor's Signature..... Date.....

Test no.4 Hanging an internal door



Elevation

Not to scale

FIG.3.

G&C Ref V6363

6217-08 Basic Construction Skills – Multi-crafts

Unit 004 Assignment record

Marking: To pass all boxes in the first two columns must be ticked as correct.

	C	A	A2
Time allowed on test piece 5 hours	☐	☐	☐
Door fitted and hung 2mm margins on top and sides	☐	☐	☐
Door hung out of wind and closing evenly into lining with no binding	☐	☐	☐
Closing edge with some lead in	☐	☐	☐
Hinges positioned and housed in correctly with no protruding screw heads and no gaps greater than 1mm	☐	☐	☐
Mortice latch and furniture neatly and securely fixed to permit smooth and first time operation to correct height	☐	☐	☐
No gaps around latch plate and striking plate (n.e. 1mm)	☐	☐	☐

Candidate's Signature..... Date.....

Assessor's Signature..... Date.....

Internal Verifier's Signature..... Date.....

Number of Attempts on Assignment.....

Assessors Comments:

Unit 019 Burning off and applying acrylic paints

Learning outcomes

Practical activities

The candidate will be able to:

1. Interpret drawings, specifications and schedules related to paint removal by burning off and applying acrylic paints.
2. Prepare new surface by burning off.
3. Mix and match, pour and dilute, load, lay-on cut in, wash, abrade and key, fill, level, brush down and gloss paint.
4. Safely use and store tools, materials and equipment.
5. Safely use and store tools, materials and equipment.
6. Protect the work from damage.
7. Dispose of waste.
8. Minimise damage and maintain a clean work space.
9. Use and maintain hand tools, portable power tools and ancillary equipment.

Underpinning knowledge

The candidate will be able to:

1. State the health and safety implications related to burning off equipment, use of paints and preparation materials (Health & Safety, COSHH, PUWER, PPE, Manual Handling, Risk Assessment and Site Safety).
2. State how emergencies should be responded to and who should respond.
3. State what the accident reporting procedures are and who is responsible for making the reports.
4. State when and why personal protective equipment (PPE) should be used.
5. State the hazards associated with the resources and methods of work.
6. State how to protect the work from damage and the purpose of protection.
7. State why the disposal of waste should be carried out safely.
8. State how maintenance of tools and equipment is carried out.
9. State what the programme is for the work to be carried out and why deadlines should be kept.
10. State the importance of teamwork when working with other people.
11. Identify defects and remedial treatments.

Unit 019 Assignment

Candidate's instructions

Burn off selected moulded panel door and bring forward to receive acrylic paint

Assignment instructions

Time allowed: 2 hours 30 minutes

Candidates are required to paint a pressed panel door using acrylic paint to receive one undercoat and two coats of gloss acrylic paint using brush application.

Candidates will be tested on their burning off ability and brush technique.

The assignment area is a pressed at panel door: 762 x 1981 – Panel area and frame 1 m x 0.5 m.

The assignment should be organised to allow sufficient time between applications.

Only the time spent on the assignment should be recorded.

Emphasis to be made of SAFETY requirements on this assignment, and all Personal Protective. Equipment (PPE) to be provided and used.

The following instructions should be read to the candidate who should be allowed to ask questions for clarification:

Candidates are required to:

Abrade and dust off
Apply acrylic undercoat
Rub down and apply two coats of acrylic gloss
Work in a safe and efficient manner

I have read and understand what is required for this unit

Candidate's Signature…… Date……

Assessor's Signature…… Date……

6217-08 Basic Skills in Construction – Multi-Crafts

Unit 019 Assignment record

Marking: To pass all boxes in the first two columns must be ticked as correct

	C	A	A2
Time allowed on assignment piece 2 hrs 30 minutes	☐	☐	☐
Protection of areas	☐	☐	☐
Surface preparation	☐	☐	☐
No excessive brush marks	☐	☐	☐
Misses	☐	☐	☐
Flashing	☐	☐	☐
Grinning	☐	☐	☐
Free from runs and sags	☐	☐	☐
Free from curtaining	☐	☐	☐
Uniformity of gloss	☐	☐	☐
Maintenance of tools	☐	☐	☐
Safety in working	☐	☐	☐
Free from any other application defects	☐	☐	☐

Candidate's Signature…… Date……

Assessor's Signature…… Date……

Internal Verifier's Signature…… Date……

Number of Attempts on Assignment.....

Assessors Comments:

Unit 020 Designing nameplate in block stencil

Learning outcomes

Practical activities

The candidate will be able to:

1. Interpret drawings, specifications and schedules related to the design of a nameplate in block stencil.
2. Set out, position a block stencil and apply colour (rag rolling, dragging and sponge stipple) and wipe off moulded surface.
3. Safely use personal protective equipment (PPE).
4. Safely use and store tools, materials and equipment.
5. Protect the work from damage.
6. Dispose of waste.
7. Minimise damage and maintain a clean work space.
8. Use and maintain hand tools, portable power tools and associated equipment.

Underpinning knowledge

The candidate will be able to:

1. State the health and safety implications related to cutting stencils and applying broken colour effects (Health & Safety, COSHH, PUWER, PPE, Manual Handling and Risk Assessment).
2. Identify paint/scumble products and brushes, rollers, specialised tools and equipment.
3. State how emergencies should be responded to and who should respond.
4. State how the resources should be used.
5. State what the accident reporting procedures are and who is responsible for making the reports.
6. State why and when personal protective equipment (PPE) should be used.
7. State the hazards associated with the resources and methods of work.
8. State how to protect the work from damage and the purpose of protection.
9. State why the disposal of waste should be carried out safely.
10. State how maintenance of tools and equipment is carried out.
11. State what the programme is for, the work to be carried out and when deadlines should be kept.
12. State the importance of teamwork when working with other people.
13. Identify defects and remedial treatments.

Unit 020 Assignment

Candidate's instructions

Design nameplate in block stencil; position within selected area; apply colour using stencil brush; fill-in using sign writing brush

Assignment instructions

Time allowed: 4 hours 20 minutes

Candidates are required to design a nameplate in block stencil; position within selected area; apply colour using stencil brush; fill-in using signwriting brush.

Candidates should use the selected area already prepared and finished.

Shellac knotting is only required if stencil paper is unavailable.

The need for care in drawing and cutting and positioning of stencil should be emphasised.

The following instructions should be read to the candidate who should be allowed to ask questions for clarification:

Candidates are required to:

Draw parallel guide lines spaced 50 mm apart
Draw in centre line
Set out name in block capitals
Coat paper with Shellac Knotting to allow for easier cutting
Cut out stencil lettering using stencil knife
Position within selected area using chalk-line, metric rule and tape
Apply colour using stencil brush, ensuring uniformity of colour
Fill in tie-areas
Allow to dry and coat out using No 3 chisel sable signwriting brush

I have read and understand what is required for this unit.

Candidate's Signature…… Date……

Assessor's Signature…… Date……

6217-08 Basic Construction Skills – Multi-Crafts

Unit 020 Assignment record

Marking: To pass all boxes in the first two columns must be ticked as correct

	C	A	A2
Time allowed on assignment piece 4 hrs 20 minutes	☐	☐	☐
Drawing of guide lines – parallel	☐	☐	☐
Setting-out block capitals	☐	☐	☐
Spacing of lettering	☐	☐	☐
Cutting out of stencil	☐	☐	☐
Application of Shellac (if applicable)	☐	☐	☐
Positioning of stencil	☐	☐	☐
Colour application – clean stencil edges	☐	☐	☐
Filling-in of ties	☐	☐	☐
Lettering using pencil brush – free from variation	☐	☐	☐
Cleanliness of test	☐	☐	☐
Maintenance of tools/equipment	☐	☐	☐

Candidate's Signature…… Date……

Assessor's Signature…… Date……

Internal Verifier's Signature…… Date……

Number of Attempts on Assignment……

Assessors Comments:

Unit 021 Transferring Levels

Learning outcomes

Practical activities

The candidate will be able to:

1. Interpret drawings, specifications, schedules related to the use of a water level and spirit level for transferring levels.
2. Safely use personal protective equipment (PPE).
3. Safely use and store tools, materials and equipment.
4. Protect the work from damage.
5. Dispose of waste.
6. Minimise damage and maintain a clean work space.

Underpinning knowledge

The candidate will be able to:

1. State the health and safety implications related to levelling (Health & Safety, COSHH, PUWER, PPE, Manual Handling, Risk Assessment and Site Safety).
2. Setting up and using water levels and spirit levels, checking for accuracy.
3. State accident reporting procedures.
4. State the purpose of personal protective equipment (PPE).
5. State how tools and equipment are maintained.
6. State the importance of teamwork when working with other people.
7. Identify defects and remedial treatments.

Unit 021 Assignment

Candidate's instructions

Transferring levels

Assignment instructions

Time allowed: 40 minutes

Candidates are required to transfer a level over a long distance using a water level, and take a horizontal level using a spirit bubble level.

The objective of this assignment is to enable the candidate to transfer a level over a long distance using a water level and take a horizontal level using a spirit bubble level.

The assignment should be conducted in two adjacent rooms connected by one door with a fixed datum point in one room.

The following instructions should be read to the candidate who should be allowed to ask questions for clarification:

Candidates are required to:

Check that the calibrated glass tubes and flexible tube are in operational condition
Check the spirit level
Fill the system with water
Bleed the system to ensure that no air is trapped in the tube
Transfer the level from the fixed datum (LEVEL A) to a designated position in the second room (LEVEL B)
Measure down from LEVEL B – 100 mm and mark this position as LEVEL C
Using a spirit level transfer the LEVEL C mark to a point 1 m distant LEVEL D
Using the water level take a back sight reading to LEVEL A and check the accuracy

I have read and understand what is required for this unit.

Candidate's Signature……. Date……..

Assessor's Signature……. Date……..

6217-08 Basic Construction Skills – Multi-Crafts

Unit 021 Assignment record

Marking: To pass all boxes in the first two columns must be ticked as correct

	C	A	A2
Time allowed on assignment piece 40 minutes	☐	☐	☐
Checking the glass tubes, flexible tube	☐	☐	☐
Check the level for accuracy	☐	☐	☐
Bleed the system	☐	☐	☐
Accuracy of LEVEL B + or – 2 mm	☐	☐	☐
Accuracy of LEVEL C + or – 1 mm	☐	☐	☐
Accuracy of LEVEL D measured to 1 m + or -2 mm	☐	☐	☐
Back sight to LEVEL A + or – 2 mm	☐	☐	☐
Allocated time not exceeded	☐	☐	☐

Candidate's Signature…… Date……

Assessor's Signature…… Date……

Internal Verifier's Signature…… Date……

Number of Attempts on Assignment……

Assessors Comments:

Unit 022 Non-manipulative compression fittings.

Learning outcomes

Practical activities

The candidate will be able to:

1. Interpret drawings, specifications and schedules related to copper pipe cutting and the assembly and use of compression joints.
2. Measure accurately and record pipe requirements.
3. Cut pipe to length and prepare pipe ends for jointing.
4. Assemble non-manipulating compression joints.
5. Tighten all the joints.
6. Pressure test.
7. Safely use personal protective equipment (PPE).
8. Safely use and store tools, materials and equipment.
9. Protect the work from damage.
10. Dispose of waste.
11. Minimise damage and maintain a clean work space.
12. Use and maintain hand tools, portable power tools and ancillary equipment.

Underpinning knowledge

The candidate will be able to:

1. State the health and safety implications related to cutting copper pipe and using non-manipulative fittings (Health & Safety, COSHH, PPE, PUWER, Manual Handling, Risk Assessment, First Aid and Fire Fighting).
2. Name the types of fittings and pipe work.
3. State how the resources should be used.
4. State how emergencies should be responded to and who should respond.
5. State what the accident reporting procedures are and who is responsible for making the reports.
6. State why and when personal protective equipment (PPE) should be used.
7. State the hazards associated with the resources and methods of work.
8. State why the disposal of waste should be carried out safely.
9. Identify defects and remedial treatments.

Unit 022 Assignment

Candidate's instructions

Non-manipulative compression fittings

Assignment instructions

Time allowed: 6 hours 40 minutes

Candidates are required to cut and prepare copper pipe for jointing with non-manipulative compression fittings.

The object of this unit is to assess the ability of candidates to cut and prepare copper pipe for jointing with non-manipulative compression fittings.

Candidate to insert new compression rings into fitting before returning to stores.

This assignment can be dismantled to enable re-use of fittings after assessment and internal verifier monitoring where appropriate.

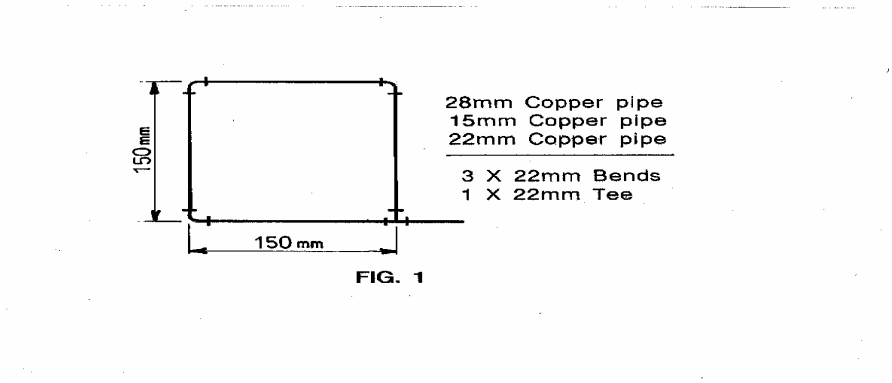


FIG. 1

The following instructions should be read to the candidate who should be allowed to ask questions for clarification:

Candidates are required to:

Select the correct size of tube and fitting
Ensure the ends of the tube are cut square
Remove the burr from the outside and inside of the tube
Insert tube into the fitting as far as the stop
Tighten up the coupling nut, first by hand and then fully with a spanner about one to one and a quarter turns
Test the joints for leaks

I have read and understand what is required for this unit

Candidate's Signature…… Date……

Assessor's Signature…… Date……

6217-08 Basic Construction Skills – Multi-Crafts

Unit 022 Assignment record

Marking: To pass all boxes in the first two columns must be ticked as correct

	C	A	A2
Time allowed on assignment piece 6 hrs 40 minutes	☐	☐	☐
Ends cut square and free from burrs	☐	☐	☐
Type and selection of fittings	☐	☐	☐
Unmarked and undamaged fittings	☐	☐	☐
Rings compressed	☐	☐	☐
Alignment of finished product	☐	☐	☐
Unmarked pipe work	☐	☐	☐
Testing and watertight joints	☐	☐	☐
Good housekeeping, safe working	☐	☐	☐
Allocated time not exceeded	☐	☐	☐

Candidate's Signature…… Date……

Assessor's Signature…… Date……

Internal Verifier's Signature…… Date……

Number of Attempts on Assignment.....

Assessors Comments:

Unit 023 Copper pipe bending and jointing

Learning outcomes

Practical activities

The candidate will be able to:

1. Interpret drawings, specifications and schedules related to copper pipe cutting.
2. Measure accurately and record the requirements.
3. Cut copper pipe and prepare the pipe ends.
4. Bend copper pipe to form right angles.
5. Joint copper pipe using capillary fittings.
6. Pressure test.
7. Safely use personal protective equipment (PPE).
8. Safely use the store tools, materials and equipment.
9. Dispose of waste.
10. Protect the work from damage.
11. Use and maintain hand tools, portable power tools and ancillary equipment.

Underpinning knowledge

The candidate will be able to:

1. State the health and safety implications related to measuring and cutting copper pipe and jointing with capillary fittings (Health and Safety, COSHH, PUWER, PPE, Manual Handling, Risk Assessment, First Aid and Fire Fighting).
2. Name the types of capillary fittings and pipe work.
3. Describe the safe use of gas heating equipment.
4. State how the resources should be used.
5. State how emergencies should be responded to and who should respond.
6. State what the accident reporting procedures are and who is responsible for making the reports.
7. Identify defects and remedial treatments.
8. State why and when personal protective equipment (PPE) should be used.
9. State the hazards associated with the resources and methods of work.
10. State why the disposal of waste should be carried out safely.
11. State how maintenance of tools and equipment is carried.

Unit 023 Assignment

Candidate's instructions

Copper pipe bending and jointing

Assignment instructions

Time allowed: 4 hours

Candidates are required to cut and bend copper pipe with a hand bending machine and joint with capillary fittings.

The objective of this assignment is to assess the ability of candidates to cut and bend copper pipe with a hand bending machine and joint with capillary fittings.

A suitable workbench with an engineer's vice fitted should be used.

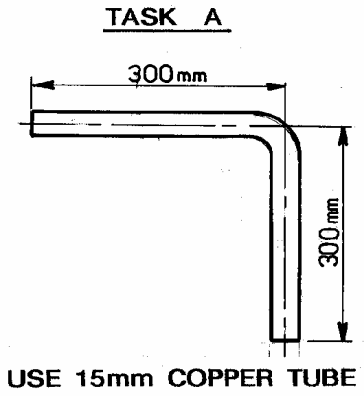


FIG 2

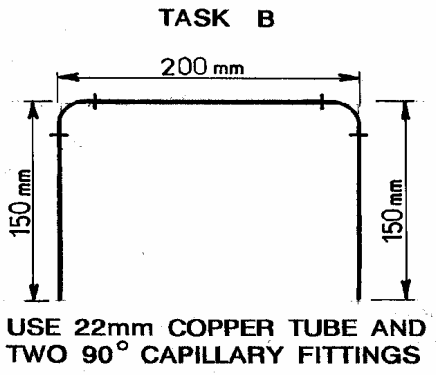


FIG. 3

The following instructions should be read to the candidate who should be allowed to ask questions for clarification.

Candidates are required to:

Measure the amount of copper tube for the tests and cut from lengths
Select the size of tube and correct former and guide for hand bending machine
Place tube into the bending machine and select proper position for bending
Ensure guide is in correct position before bending
Clean the copper tube using steel wool and flux the ends prior to jointing
Fit the copper tube into the 90° capillary fittings and apply heat to set the joints
Test joint for leaks

I have read and understand what is required for this unit

Candidate's Signature…… Date……

Assessor's Signature…… Date……

6217-08 Basic Construction Skills – Multi-Crafts

Unit 023 Assignment record

Marking: To pass all boxes in the first two columns must be ticked as correct

	C	A	A2
Time allowed on assignment piece 4 hrs	☐	☐	☐
Centre line of bend + or – 4 mm	☐	☐	☐
Bend pulled square/alignment	☐	☐	☐
Throating on bend	☐	☐	☐
Wrinkled bend	☐	☐	☐
Guide marks on pipe work	☐	☐	☐
Correct jointing of copper tube	☐	☐	☐
No burn marks	☐	☐	☐
No excess solder on tube	☐	☐	☐
Alignment of joints – square and no twist	☐	☐	☐
Safe working	☐	☐	☐
Allocated time not exceeded	☐	☐	☐

Candidate's Signature…… Date……

Assessor's Signature…… Date……

Internal Verifier's Signature…… Date……

Number of Attempts on Assignment……

Assessor Comments:

Unit 024 Working with steel pipework and fittings

Learning outcomes

Practical activities

The candidate will be able to:

1. Interpret drawing, specifications and schedules related to steel pipe cutting, threading and apply jointing techniques.
2. Measure accurately and record pipe requirements.
3. Cut steel pipe and prepare pipe ends.
4. Thread the pipe ends.
5. Assemble and tighten all joints.
6. Pressure joints.
7. Safely use and store tools, materials and equipment.
8. Safely use and store tools, materials and equipment.
9. Dispose of waste.
10. Protect the work from damage.
11. Use and maintain hand tools, portable power tools and ancillary equipment.

Underpinning knowledge

The candidate will be able to:

1. State the health and safety implications related to measuring and cutting steel pipe and jointing with threaded fittings (Health & Safety, COSHH, PUWER, PPE, Manual Handling, Risk Assessment, First Aid and Fire Fighting).
2. Name the types of taps, dies and uses.
3. State the methods of cutting steel pipe.
4. State how resources should be used.
5. State how to respond emergencies and who should respond.
6. State what the accident reporting procedures are and who is responsible for making the reports.
7. Identify defects and remedial treatments.
8. State why and when personal protective equipment (PPE) should be used.
9. State the hazards associated with the resources and methods of work.
10. State why the disposal of waste should be carried out safely.

11. State how maintenance of tools and equipment is carried out.

Unit 024 Assignment

Candidate's instructions

Steel pipework and fittings

Assignment instructions

Time allowed: 15 hours

Candidates are required to use hand dies for threading mild steel pipe work and apply jointing techniques.

The objective of this assignment is to assess the ability of candidates in using hand dies for threading mild steel pipe work and jointing technique.

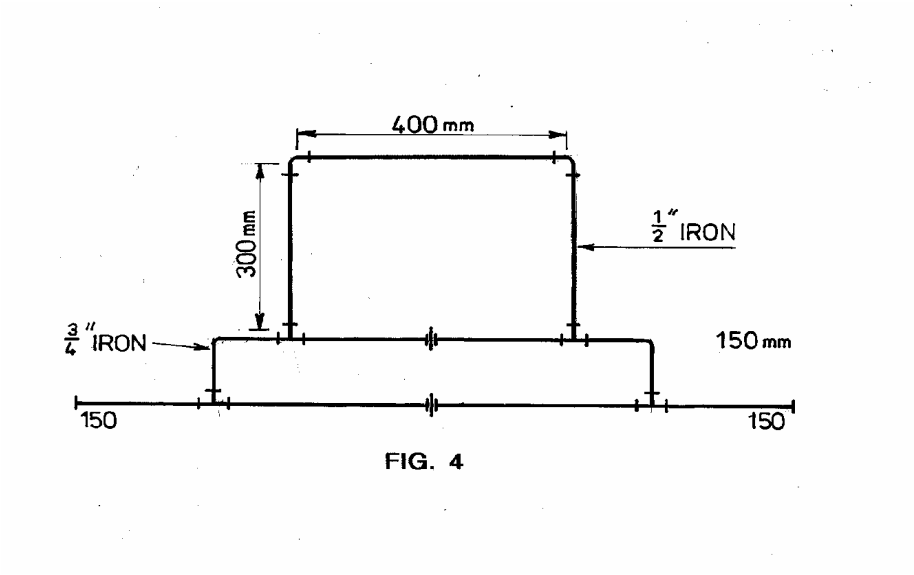


FIG. 4

The following instructions should be read to the candidate who should be allowed to ask questions for clarification:

Candidates are required to

Select number and type of fittings
Measure up required lengths of pipe work
Cut required lengths using hacksaw
Place required length into the vice
Thread all cut ends of pipe using hand dies
Apply jointing tape
Connect up pipe work and fittings using stillsons

I have read and understand what is required for this unit

Candidate's Signature…… Date……

Assessor's Signature…… Date……

6217-08 Basic Construction Skills – Multi-Crafts

Unit 024 Assignment record

Marking: To pass all boxes in first two columns must be ticked as correct

	C	A	A2
Time allowed on assignment piece 15 hrs	☐	☐	☐
Square ends	☐	☐	☐
Selection of fittings	☐	☐	☐
Vice marks on pipe work	☐	☐	☐
Stillson marks on pipe work	☐	☐	☐
Stillson or vice marks on fittings	☐	☐	☐
Exposure of 2 threads maximum	☐	☐	☐
Jointing compound	☐	☐	☐
Alignment of finished product	☐	☐	☐
Safe working	☐	☐	☐

Candidate's Signature…… Date……

Assessor's Signature…… Date……

Internal Verifier's Signature…… Date……

Number of Attempts on Assignment.....

Assessor Comments:

Unit 025 Connect plastic fittings to a utility sink

Learning outcomes

Practical activities

The candidate will be able to:

1. Interpret drawings, specifications and schedules related to hot and cold supply to a sink and disposing of wastewater from sink and an appliance.
2. Fit plastic pipes to a sink using push fit or screw fit connections.
3. Safely use personal protective equipment (PPE).
4. Safely use and store tools, materials and equipment.
5. Dispose of waste.
6. Protect the work from fire damage.
7. Use and maintain hand tools, portable power tools and ancillary equipment.

Underpinning knowledge

The candidate will be able to:

1. State the health and safety implications related to measuring, cutting and jointing, plastic pip and using traps and connections (Health & Safety, COSHH, PPE, First Aid and Risk).
2. Name the requirements for water supply, types of fittings and pipe work and hot water distribution.
3. State how the resources should be used.
4. State how emergencies should be responded to.
5. State what the accident reporting procedures are.
6. Identify defects and remedial treatments.
7. State the hazards associated with the resources and methods of work.
8. State why the disposal of waste should be carried out safely.
9. State why and when personal protective equipment (PPE) should be used.
10. State how maintenance of tools and equipment is carried out.

Unit 025 Assignment

Candidate's instructions

Use of plastic materials for plumbing

Assignment instructions

Time allowed: 3 hours

Candidates are required to connect the wastewater fitting to the sink with one connection for an appliance (washing machine or dishwasher), APPLIANCE NOT REQUIRED.

The objective of this assignment is to enable the candidate to connect hot and cold water supply to a utility sink.

The candidate should connect a wastewater fitting to the sink with one connection for an appliance (washing machine or dishwasher), APPLIANCE NOT REQUIRED.

The layout, arrangement and type of sink will be at the discretion of the centre.

All fittings and pipe work will be in plastic using push fit or screw fit connections, to allow for maximum re-use.

Hot and cold taps are to be fitted to the sink to receive 400 mm of plastic pipe.

Wastewater fittings are to be connected to the sink using a typical tubular or bottle trap with a minimum seal of 50 mm.

One connection to be made to the waste pipe for an appliance using an appropriate wastewater outlet manifold or tee fitting depending on the type of connection and waste arrangement.

This assignment can be dismantled following assessment; all washers re-placed and fittings handed in for further use.

The following instructions should be read to the candidate who should be allowed to ask questions for clarification:

Candidates are required to

Connect the hot and cold taps to the sink, with water tight joints
Connect the water supply pipes to both taps using the fittings and pipe provided
Connect the wastewater fittings to the sink and connect the correct fitting for receiving wastewater from an appliance
Length of pipe from the fittings to be 200 mm

I have read and understand what is required for this unit

Candidate's Signature…… Date……

Assessor's Signature…… Date……

6217-08 Basic Construction Skills – Multi-Crafts

Unit 025 Assignment record

Marking: To pass all boxes in the first two columns must be ticked as correct

	C	A	A2
Time allowed on assignment piece 3 hrs	☐	☐	☐
Hot and cold taps fitted to sink with clean joints	☐	☐	☐
Plastic fittings and pipe work fitted to the taps	☐	☐	☐
Wastewater connections made to sink with clean, watertight joints	☐	☐	☐
Correct connection made for receiving wastewater from an appliance	☐	☐	☐
Use of lubricants	☐	☐	☐
Safe working	☐	☐	☐

Candidate's Signature…… Date……

Assessor's Signature…… Date……

Internal Verifier's Signature…… Date……

Number of Attempts on Assignment.....

Assessors Comments:

Unit 026 Connect plastic fittings to a cold water cistern and central heating header tank

Learning outcomes

Practical activities

The candidate will be able to:

1. Interpret drawings, specifications and schedules related to cold water supply to a cistern and header tank using plastic pipe and fittings.
2. Fit supply pipes to a cold water cistern, header tank, control values, distribution pipes.
3. Safely use personal protective equipment (PPE).
4. Safely use and store tools, materials and equipment.
5. Dispose of waste.
6. Protect the work from damage.
7. Use and maintain hand tools, portable power tools and ancillary equipment.

Underpinning knowledge

The candidate will be able to:

1. State the health and safety implications related to measuring, cutting and jointing plastic pipe and using plastic connections.
2. Name the types of control valves for water supply and the types of fittings.
3. Name the regulations related to water supply.
4. State how the resources should be used.
5. State how emergencies should be responded to.
6. State what the accident reporting procedures are.
7. Identify defects and remedial treatments.
8. State the hazards associated with the resources and methods of work.
9. State why the disposal of waste should be carried out safely.
10. State why and when personal protective equipment (PPE) should be used.
11. State how maintenance of tools and equipment is carried out.
12. Describe the procedures for carrying out preparatory work including load bearing platform for cold water cistern

Unit 026 Assignment

Candidate's instructions

Use of plastic materials for plumbing

Assignment instructions

Time allowed: 4 hours

Candidates are required to connect the cold water supply to a cold water storage cistern (up to 1000 litres capacity) and central heating header tank.

The object of this unit is to test the candidate's ability to connect cold water supply to a cold water storage cistern (up to 1000 litres capacity) and central heating header tank.

The layout, arrangement, position and types of cold water cistern and central heating header tank will be at the discretion of the centre.

All fittings and pipe work will be in plastic using push fit or screw fit connections to allow for maximum re-use.

Cistern and header tank will be plastic.

All fittings and sufficient pipe work to be provided prior to the test. This will include two float valves or other automatic shut off controls, two gate valves (if required), sufficient supply of pipe, distribution pipe, vent pipe, overflow pipe (pre-cut to length), couplers, tank connectors, tee's and elbow's (as required).

The following instructions should be read to the candidate who should be allowed to ask questions for clarification:

Candidates are required to:

Connect the float vales to the cold water cistern and central heating header tank
Connect the fittings to the cistern and header tank
Connect all pipe work to fittings
Fit the gate valves (this can be omitted at the discretion of the assessor, but an explanation of their use must be given)

I have read and understand what is required for this unit

Candidate's Signature…… Date……

Assessor's Signature…… Date……

6217-08 Basic Construction Skills – Multi-Crafts

Unit 026 Assignment record

Marking: To pass all boxes in the first two columns must be ticked as correct

	C	A	A2
Time allowed on assignment piece 4 hrs	☐	☐	☐
Float valves fitted correctly	☐	☐	☐
Tank connectors fitted correctly	☐	☐	☐
Supply pipe fitted correctly to float valves	☐	☐	☐
Distribution pipe fitted correctly (with gate valves, if required)	☐	☐	☐
Vent pipe fitted correctly	☐	☐	☐
Overflow pipe fitted correctly	☐	☐	☐
Use of lubricants	☐	☐	☐
Safe working	☐	☐	☐

Candidate's Signature…… Date……

Assessor's Signature…… Date……

Internal Verifier's Signature…… Date……

Number of Attempts on Assignment:

Assessors Comments:

Unit 027 Constructing a panelled door

Learning outcomes

Practical activities

The candidate will be able to:

1. Interpret drawings, specifications and schedules related to a panelled door.
2. Measure, set out, mark out, assemble, fit, position and finish the work.
3. Prepare cutting lists and calculate timber requirements.
4. Safely use personal protective equipment (PPE).
5. Safely use and store tools and equipment.
6. Protect the work from damage.
7. Dispose of waste.
8. Minimise damage and maintain a clean work space.
9. Use and maintain hand tools and ancillary equipment.

Underpinning knowledge

The candidate will be able to:

1. State the health and safety implications related to making a panelled door (Health & Safety, COSHH, PPE, PUWER, Manual Handling and Risk Assessment).
2. State the organisational security procedures for tools, equipment and personal belongings.
3. State the accident reporting procedures.
4. State why and when personal protective equipment (PPE) should be used.
5. State how the resources should be used.
6. State the hazards associated with the resources and methods of work.
7. State how to protect work from damage.
8. State the importance of teamwork.
9. State how tool maintenance is carried out.

Unit 027 Assignment

Candidate's instructions

Panelled door

Assignment instructions

Time allowed: 5 hours

The object of this unit is to assess the candidate's ability to prepare, set out on a rod, transfer marks and assemble selected timber in a confident and safe manner.

It is also designed to test the candidate's skills in producing long and short shoulder haunched mortice and tenons (stepped shoulders), the cutting of a plywood panel and the mitring of quadrant mould.

The assignment should be carried out using the following materials and equipment:
2 610 x 58 x 28 – P.A.R
1 450 x 58 x 28 – P.A.R
1 450 x 70 x 28 – P.A.R

All joinery quality European redwood, 1 – 6 mm thick piece of plywood for panel, 2 m of 10 mm quadrant mould.

Candidates are to make a small mitre block for cutting quadrant. (This time is not to be included in the target time).

Range of hand tools for joinery manufacture:
A mortice machine fitted with a 10 mm hollow chisel and auger (use of this machine is at the discretion of the assessor), suitable adhesive, abrasives – various grit sizes, panel pins suitable for 10 mm quadrant, sash cramps and 'G' cramps

The following instructions should be read to the candidate who should be allowed to ask questions for clarification:

Candidates are required to:

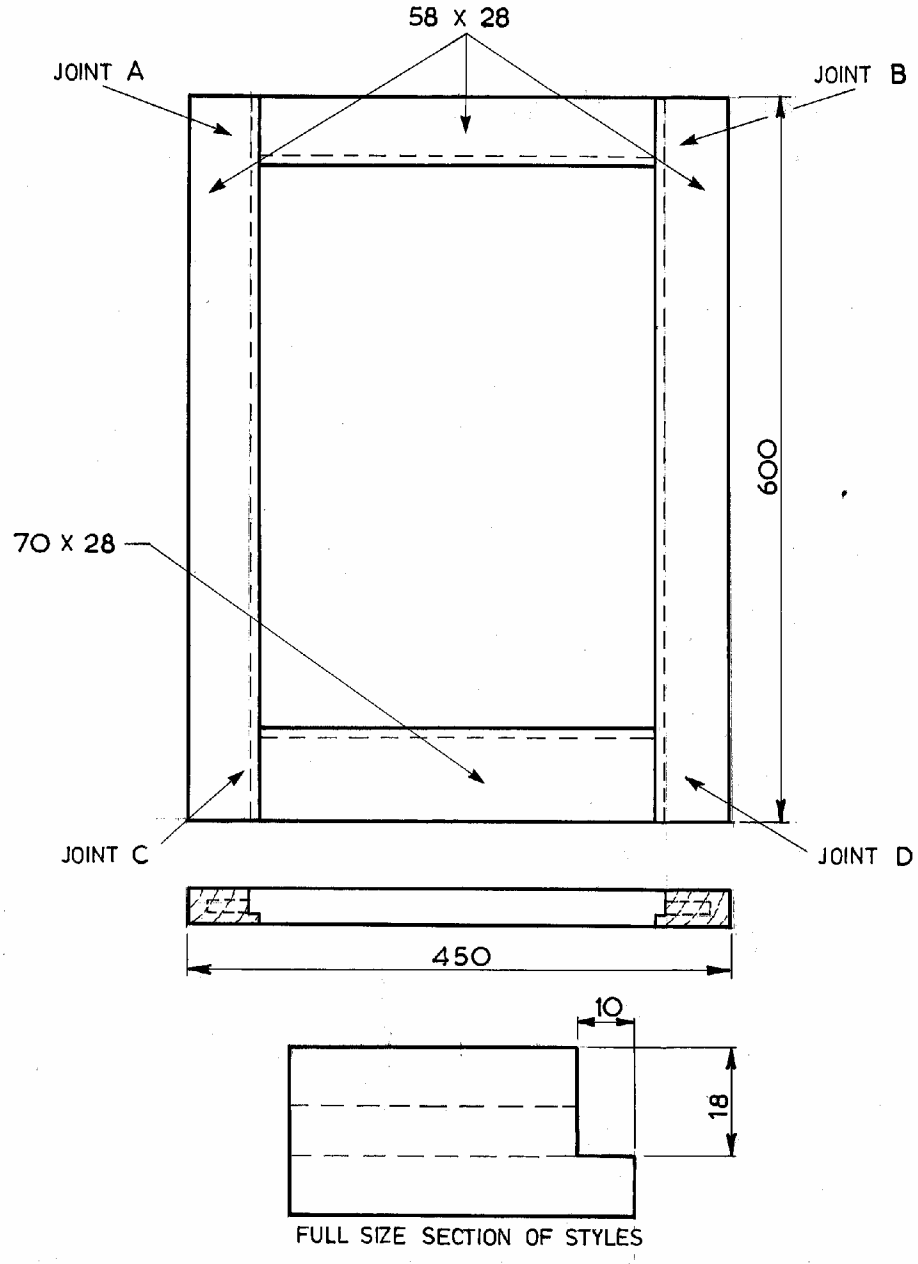
Produce a full-size setting-out rod to the details shown in Assignment Number One
Cut the mortices by hand OR by machine, at the discretion of the assessor
Cut the tenon cheeks
Cut the rebates by hand
Cut tenon shoulders and haunches
Glue and assemble the frame
Cut panel to size and clean up the edges
Mitre the quadrant into the frame and fix with panel pins
Clean up and sand the surface ready for a painted finish

I have read and understand what is required for this unit

Candidate's Signature…… Date……

Assessor's Signature…… Date……

TEST No. 1



JOINTS USED IN THIS TEST ARE HAUNCHED LONG AND SHORT SHOULDER MORTICE AND TENON, ONE AT EACH CORNER OF THE DOOR.
THICKNESS OF TENON : 10mm (TO NEAREST MORTICE CHISEL)

TOP RAIL AND STYLES - 58 x 28 BOTTOM RAIL - 70 X 28

FIG. 1

6217-08 Basic Construction Skills – Multi-Crafts

Unit 027 Assignment record

Marking: To pass all boxes in the first two columns must be ticked as correct

	C	A	A2
Time allowed on Assignment piece 5 hrs	☐	☐	☐
Accuracy and quality of setting out rod	☐	☐	☐
Correct marking out from rod	☐	☐	☐
Quality of morticing including haunches	☐	☐	☐
Tenon shoulders good fit	☐	☐	☐
Rebates cut accurately	☐	☐	☐
Panel cut to size	☐	☐	☐
Quadrant mould cut with good quality mitres and pinned cleanly	☐	☐	☐
Overall size – 600 x 450 + or – 2 mm	☐	☐	☐
Frame square and free from twist	☐	☐	☐
Quality of finish	☐	☐	☐
Safe working	☐	☐	☐

Candidate's Signature…… Date……

Assessor's Signature…… Date……

Internal Verifier's Signature…… Date……

Number of Attempts on Assignment……

Assessors Comments:

Unit 028 Constructing half brick wall in stretcher bond

Learning outcomes

Practical activities

The candidate will be able to:

1. Interpret drawings, specifications, schedules related to laying bricks and setting courses.
2. Lay bricks to a line, level, plumb and joint.
3. Measure, mark out, position and secure the work.
4. Safely use personal protective equipment.
5. Safely use and store tools and equipment.
6. Protect the work and its surrounding area from damage.
7. Dispose of waste.
8. Minimise damage and maintain clean work space.
9. Use and maintain hand tools.

Underpinning knowledge

The candidate will be able to:

1. State the health and safety implications related to bricklaying (Health & Safety, COSHH, PPE, PUWER, Manual Handling, Risk Assessments and Fire Extinguishers).
2. State how emergencies should be responded to and who should respond.
3. Identify the hazards associated with the resources and methods of work (below ground, at height and with tools).
4. State what the accident reporting procedures are and who is responsible for making the reports.
5. State why and when personal protective equipment (PPE) should be used.
6. State how to protect work from damage and the purpose of protection.
7. State why the disposal of waste should be carried out safely.
8. State how the maintenance of tools and equipment is carried out.
9. State the importance of teamwork when working with other people.

Unit 028 Assignment

Candidate's instructions

Constructing a half-brick wall in stretcher bond

Assignment instructions

Time allowed: 3 hours

The object of this unit is to assess the ability of the candidate to set out and build a straight half-brick wall in STRETCHER BOND to a height of five courses and eight bricks long, using a bricklayers trowel, plumb level, jointing tool, bricklayers line, gauge rod and cutting tools.

Sufficient floor area should be given to allow the candidate to work comfortably around the test piece and place his/her mortarboard and bricks within easy reach.

Sufficient bricks and lime mortar should be supplied to complete the assignment (all bricks for the assignment must be same type and size).

Emphasis should be made on plumbing and building to a line.

All materials should be in position before commencing this assignment.

Time should be left for preparation and demolition. This time is not part of the time allowed.

It is recommended that the assessor will have a set of 'tolerance feelers' at 3mm, 4 mm and 5 mm for checking this assignment.

The following instructions should be read to the candidate who should be allowed to ask questions for clarification:

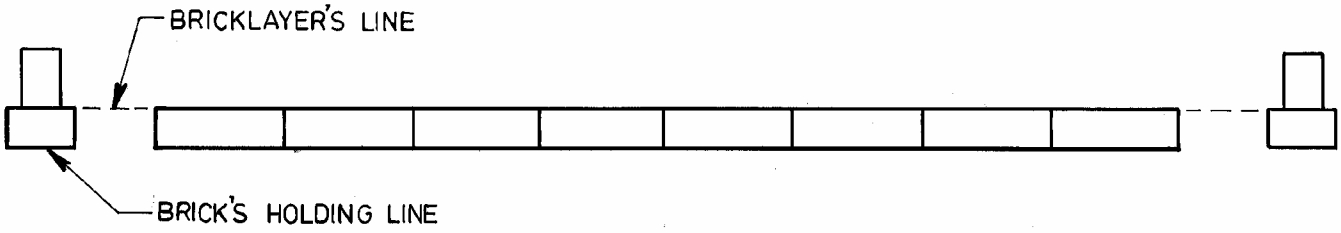
Candidates are required to:

Carefully dry bond the first course to a length of eight stretchers
Set up a building line for the first course
Bed one end brick to gauge height and bed second end brick level with first brick
Complete the building of the remainder of first course accurately to a line
Raise the stop ends to gauge height (cut half bats as work proceeds and insert gauge rod clips on top of first course).
Check the stop end for height, level, plumb and range as work proceeds.
Complete the remainder of the brickwork using a bricklayer's line

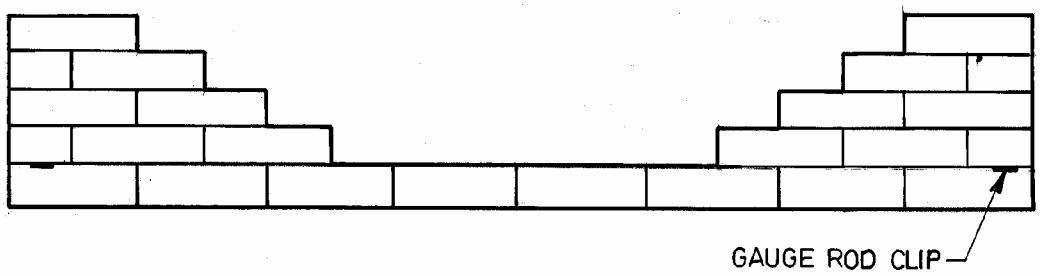
I have read and understand what is required for this unit

Candidate's Signature…… Date……

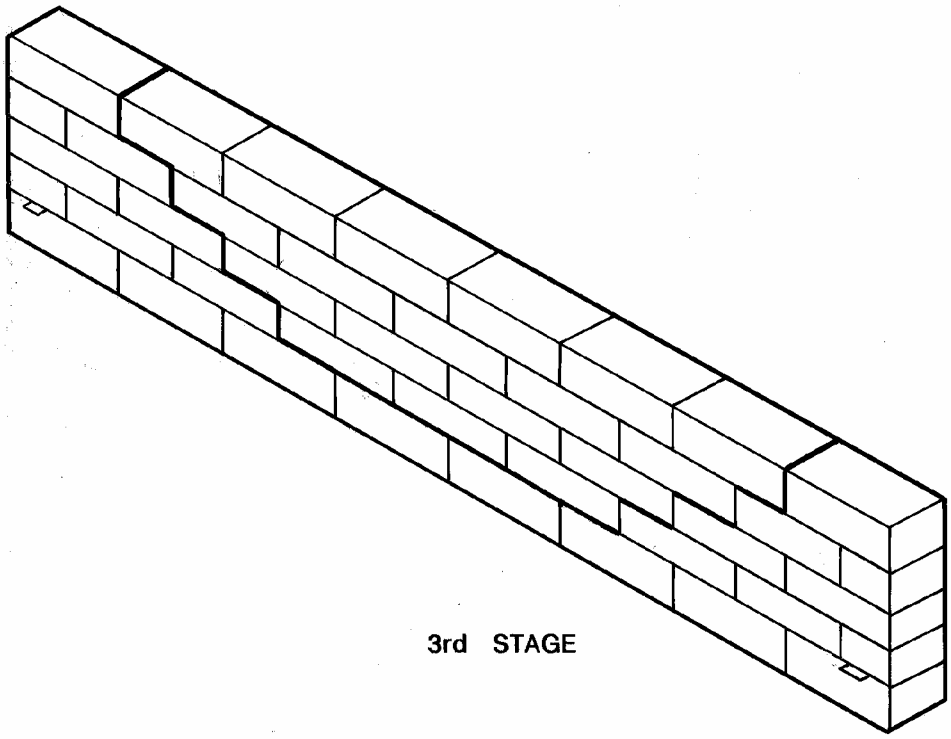
Assessor's Signature…… Date……



1st STAGE



2nd STAGE



3rd STAGE

FIG. 1

6217-08 Basic Construction Skills – Multi-Crafts

Unit 028 Assignment record

Marking: To pass all boxes in the first two columns must be ticked as correct

	C	A	A2
Time allowed on assignment piece 3 hrs	☐	☐	☐
Mortar bedding	☐	☐	☐
Brick joining + or – 4 mm	☐	☐	☐
Brick handling	☐	☐	☐
Setting up first course line	☐	☐	☐
Perp joint sizes and plumb	☐	☐	☐
Gauge + or – 3 mm for 4 course	☐	☐	☐
Plumbing + or – 3 mm for 4 course	☐	☐	☐
Level + or – 3 mm over the length	☐	☐	☐
Face place ranging. Deviation within 6 mm on front elevation Alignment of walling	☐	☐	☐
Facework – no major defects, allow for small amount of smudging on front elevation	☐	☐	☐
General appearance	☐	☐	☐
Tool maintenance	☐	☐	☐
Working safely	☐	☐	☐

Candidate's Signature…… Date……

Assessor's Signature…… Date……

Internal Verifier's Signature…… Date……

Number of Attempts on Assignment……

Assessors Comments:

Unit 029 Constructing one-brick wall in English bond

Learning outcomes

Practical activities

The candidate will be able to:

1. Interpret drawings, specifications, schedules related to laying bricks to a specified bond.
2. Lay bricks to a line to a line, level, plumb, gauge, bond, joint and square.
3. Measure, set courses, mark out, position and secure the work.
4. Safely use personal protective equipment (PPE).
5. Safely use and store tools and equipment.
6. Protect the work and its surrounding area from damage.
7. Dispose of waste.
8. Minimise damage and maintain a clean work space.
9. Use and maintain hand tools.

Underpinning knowledge

The candidate will be able to:

1. State the health and safety implications related to bricklaying (Health & Safety, COSHH, PPE, PUWER, Manual Handling, Risk Assessment, Hazards and Fire Extinguishers).
2. Identify the hazards associated with the resources and methods of work (below ground, at height, with tools and equipment, by manual handling, Risk Assessment, hazards and Fire Extinguishers).
3. State how emergencies should be responded to and who should respond.
4. State what the accident reporting procedures are and who is responsible for making the reports.
5. State why and when personal protective equipment (PPE) should be used.
6. State how to protect work from damage and the purpose of protection.
7. State why the disposal of waste should be carried out safely.
8. State how the maintenance of tools and equipment is carried out.
9. State the importance of teamwork.

Unit 029 Assignment

Candidate's instructions

One-brick wall in English bond

Assignment instructions

Time allowed: 4 hours

The objective of this unit is to assess the ability to set out and building a short one brick wall featuring a return angle. The wall to be built in English bond. This assignment is designed to improve dexterity with tools and materials, to increase work rate and to keep brickwork in alignment with a bricklayer's line.

The floor area should be approximately 2 m x 1.5 m.

Candidate must attempt to master the correct technique in handling and jointing headers.

The trowel should not be out of hand when building headers.

The following instructions should be read to the candidate who should be allowed to ask questions for clarification:

Candidates are required to:

Carefully dry bond front stretchers of first course to correct length with 10 mm cross joints
Build quoin header to gauge height and remainder of front course including backing stretchers
Place straight edge and square in position for squaring return angle
Cut Queen closer to size as instructed
Dry bond headers of return wall to ensure half bond with stretcher course
Build and level and header to quoin brick and correct to square
Infill remaining headers
Complete remaining courses as shown on drawings, taking care with height, gauge, level, plumb, alignment and face plane ranging

I have read and understand what is required for this unit

Candidate's Signature…… Date……

Assessor's Signature…… Date……

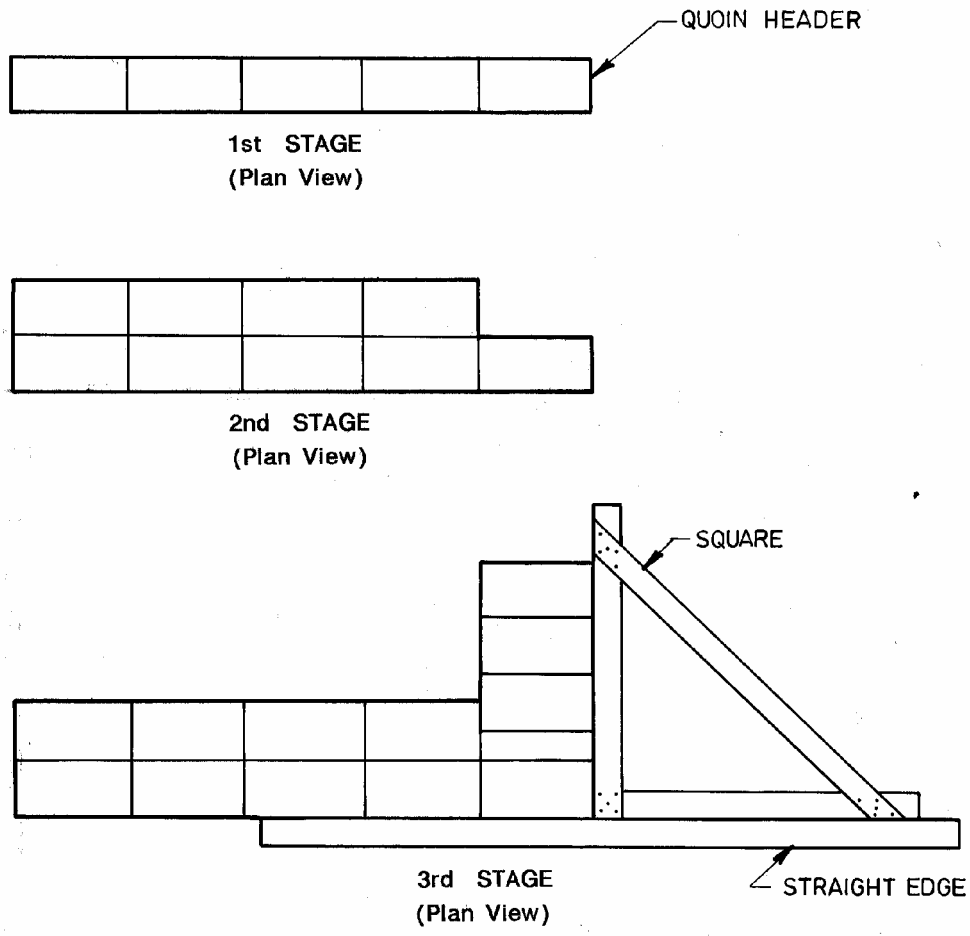

QUOIN HEADER
1st STAGE
(Plan View)
2nd STAGE
(Plan View)
SQUARE
3rd STAGE
(Plan View)
STRAIGHT EDGE
COMPLETED TEST

FIG. 2

6217-08 Basic Construction Skills – Multi-Crafts

Unit 029 Assignment

Marking: To pass all boxes in the first two columns must be ticked as correct

	C	A	A2
Time allowed on assignment piece 4 hrs	☐	☐	☐
Mortar bedding	☐	☐	☐
Brick jointing	☐	☐	☐
Brick handling	☐	☐	☐
Quoin to gauge height	☐	☐	☐
Plumbing	☐	☐	☐
Levelling	☐	☐	☐
Alignment front wall	☐	☐	☐
Face plane ranging	☐	☐	☐
Backing to stretchers	☐	☐	☐
Perpendicular joints plumb and correct thickness	☐	☐	☐
Cutting queen closers	☐	☐	☐
Work area clean	☐	☐	☐
General test appearance with few smudges	☐	☐	☐
Tool maintenance	☐	☐	☐
Safe working and use of PPE	☐	☐	☐

Candidate's Signature…… Date……..

Assessor's Signature…… Date……..

Internal Verifier's Signature…… Date……..

Number of Attempts on Assignment.....

Assessors Comments:

Unit 030 Constructing semi-circled arch (rough ringed)

Learning outcomes

Practical activities

The candidate will be able to:

1. Form a decorative arch to a solid wall
2. Form a window or door opening
3. Make use of a complex setting out

Underpinning knowledge

The candidate will be able to:

1. State building procedure of arch
2. List tolls and equipment required
3. State a method of maintaining ranging of arch to solid wall
4. State joint finishes required
5. State the need for use of Personal Protective Equipment (PPE)
6. State a method to maintain opening size
8. State the need for a clean and tidy work area

Unit 030 Assignment

Candidate's instructions

Assemble semi circled arch – rough ringed

Assignment instructions:

Time allowed: 4.45 hours

Candidates are required to set out each test two courses 'dry' without any mortar, to check the measurements and the bond. Ask your tutor for agreement. If agreed mark the outline of the face of the first course on the concrete, this will enable you to know where each brick fits in the first course.

The assignment should be carried out using the following tools and equipment:
square, pencil, lying trowel, pointing trowel, brick bolster, club hammer, brick hammer, comb hammer, line and pins, corner blocks, spirit level, pocket level, gauge rod, tape measure, goggles, half round jointer, straight edge, water bucket, timber arch centre, folding wedges.

Candidates will be assessed on preparation, finish and cleanliness of both the Work area and tools and equipment.

The following instructions should be read to the candidate who should be allowed to ask questions for clarification:

The candidate is required to:

Set out two courses dry including the arch centre to establish the correct bond.
Gauge, level and plumb all brickwork courses.
Ensure the arch is ranged in line with the main wall.
Ensure the soffit of the arch is fully jointed and clean.
Joint all face work with a weather struck finish.
Ensure full bricks only in the arch, no cut bricks
Remove all debris upon completion of the wall.

I have read and understand what is required for this unit.

Candidate's Signature..... Date.....

Assessor's Signature..... Date.....

SEMI-CIRCLED ARCH. ROUGH RINGED.

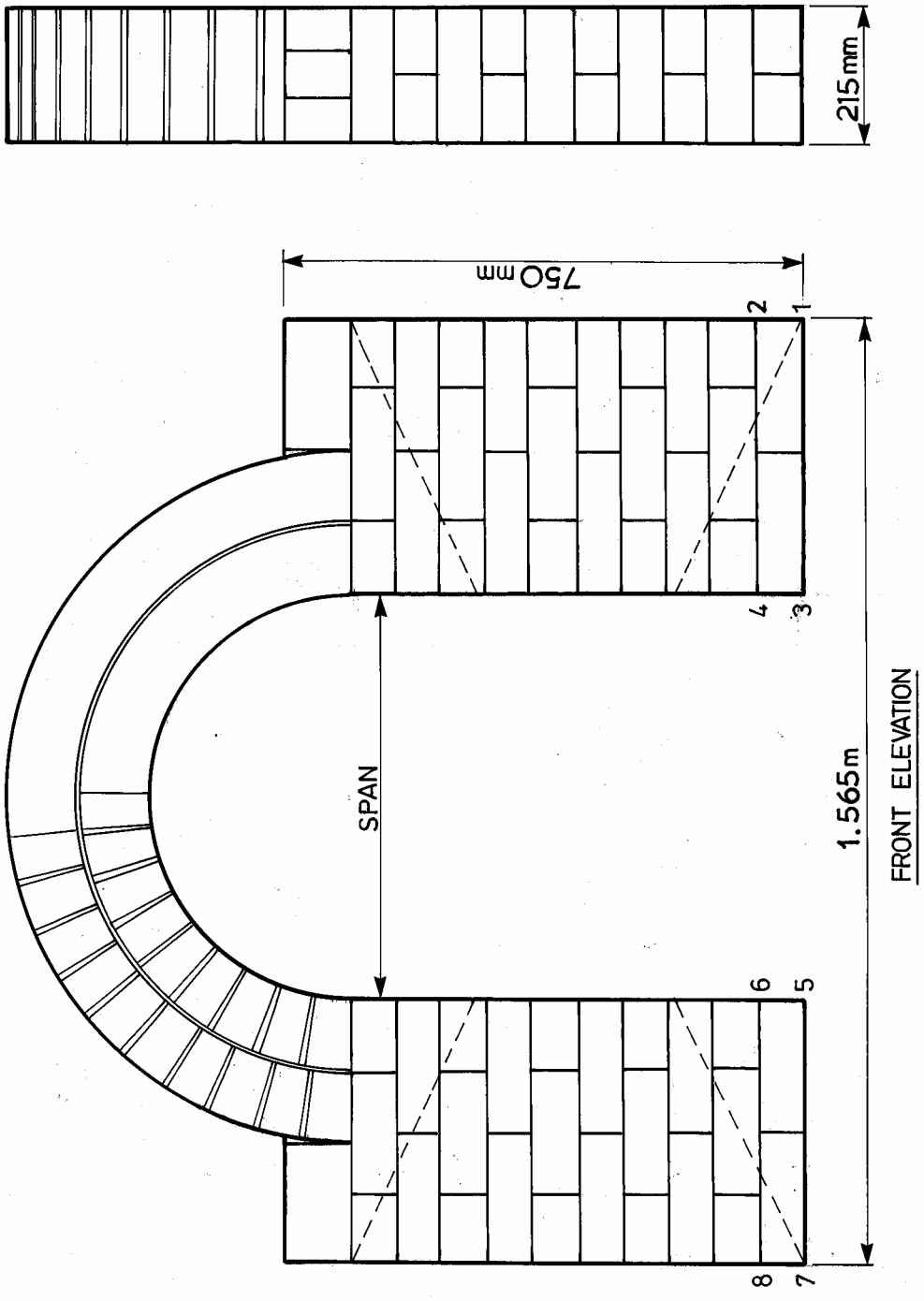


FIG. 5

6217-08 Basic Construction Skills – Multi-Crafts

Unit 030 Assignment record

Marking: To pass all boxes in the first two columns must be ticked as correct

	C	A	A2
Time allowed on assignment piece 5 hrs 30 minutes	☐	☐	☐
'Dry' setting out correct	☐	☐	☐
Square + or – 2 mm	☐	☐	☐
Correct gauge. Four courses to 300 mm. Overall height to top of coping + or – 3 mm	☐	☐	☐
Plumbing points + or – 3 mm (at all ten positions)	☐	☐	☐
Ranging on faces + or – 4 mm	☐	☐	☐
Correct position and erection of centre	☐	☐	☐
Correct striking of centre	☐	☐	☐
All bed and cross joints full and correct thickness	☐	☐	☐
Arch rings regular and even appearance	☐	☐	☐
Brick on edge coping regular and even appearance	☐	☐	☐

Candidate's Signature…… Date……

Assessor's Signature…… Date……

Internal Verifier's Signature…… Date……

Number of Attempts on Assignment.....

Assessors Comments:

Unit 031 Constructing a detached hollow pier

Learning outcomes

Practical activities

The candidate will be able to:

1. Interpret drawings, specifications, schedules related to laying bricks to a specified height
2. Lay bricks to a line, level, plumb, gauge, bond, joint and square
3. Measure, set courses, mark out, position, secure the work
4. Safely use personal protective equipment (PPE)
5. Safely use and store tools and equipment
6. Protect the work and its surrounding area from damage
7. Dispose of waste
8. Minimise damage and maintain a clean work space
9. Use and maintain hand tools

Underpinning knowledge

The candidate will be able to:

1. State the health and safety implications related to bricklaying (Health & Safety, COSHH, PPE, PUWER, Manual Handling, Risk Assessment, Hazards, Fire Extinguishers)
2. Identify the hazards associated with the resources and methods of work (below ground, at height, with tools and equipment, by manual handling and mechanical lifting)
3. State how emergencies should be responded to and who should respond
4. State what the accident reporting procedures are and who is responsible for making the reports
5. State why and when personal protective equipment (PPE) should be used
6. State how to protect work from damage and the purpose of protection
7. State why the disposal of waste should be carried out safely
8. State how the maintenance of tools and equipment is carried out
9. State the importance of teamwork

Unit 031 Assignment

Candidate's instructions

Detached hollow pier

Assignment instructions

Time allowed: 3 hours 30 minutes

The object of this unit is to test the candidate's ability to set out and build a detached hollow pier to a height of 12 courses in stretcher bond.

The assignment should be carried out using the following tools and materials:
floor area 2 m x 2 m with sufficient working space and spot board, bricks and mortar within easy reach, 75 selected bricks of similar type, shape and size and used only once with no smudges, sand-lime mortar, sufficient tools, equipment and resources to complete the assignment

The candidate can use any of the tools, equipment and materials provided.

The candidate will be required to use all appropriate PPE. whilst carrying out this assignment and comply with any related statutory requirements.

The candidate MUST ask the assessor to check the squareness of the first course before continuing with the assignment. The difference in diagonal dimensions MUST NOT exceed 3 mm.

The following instructions should be read to the candidate who should be allowed to ask questions for clarification:

Candidates are required to:

Build the two-brick detached square hollow pier in accordance with the details shown on the drawing for Unit 029
Joints on all exterior faces to be struck weathered as the work proceeds
Set out and build the two-brick square detached hollow pier with 10 mm joints to a height of 12 courses

I have read and understand what is required for this unit

Candidate's Signature…… Date……

Assessor's Signature…… Date……

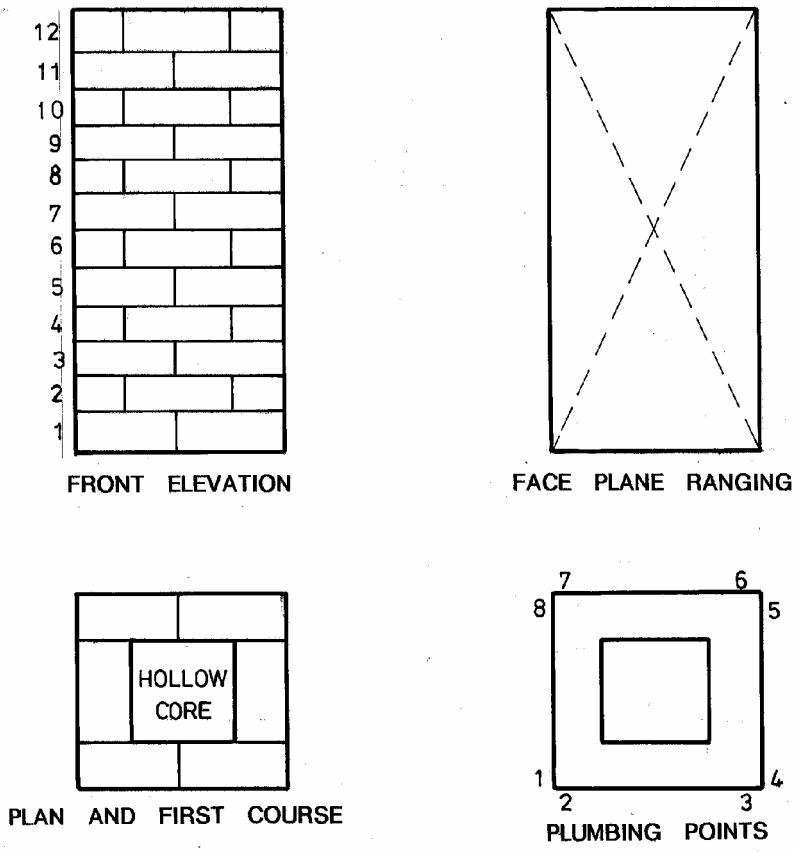

12
11
10
9
8
7
6
5
4
3
2
1
FRONT ELEVATION
FACE PLANE RANGING
HOLLOW CORE
PLAN AND FIRST COURSE
7
6
8
5
1
4
2
3
PLUMBING POINTS
NOT TO SCALE

FIG. 7

6217-08 Basic Construction Skills – Multi-Crafts

Unit 031 Assignment record

Marking: To pass all boxes in the first two columns must be ticked as correct

	C	A	A2
Time allowed on assignment piece 3 hrs 30 minutes	☐	☐	☐
Square checked on first course. Diagonal deviation within 3 mm	☐	☐	☐
Gauge. 4 courses to 300 mm. Taken overall 900 mm + or – 4 mm	☐	☐	☐
Level. Taken overall. All elevations within 2 mm	☐	☐	☐
Plumb. Perpendicular overall at each plumbing point + or – 4 mm. Points 1, 2, 3, 4, 5, 6, 7, 8.	☐	☐	☐
Face plane. Deviation for each face within 3 mm.	☐	☐	☐
Front elevation	☐	☐	☐
Rear elevation	☐	☐	☐
Left side elevation	☐	☐	☐
Right side elevation	☐	☐	☐
Facework. Clean struck weathered brickwork with good brick selection. No major defects. Allow for small amount of smudges. No excessive joints.	☐	☐	☐
Clean, tidy and safe working with correct PPE.	☐	☐	☐

Candidate's Signature…… Date……

Assessor's Signature…… Date……

Internal Verifier's Signature…… Date……

Number of Attempts on Assignment……

Assessors Comments:

Unit 032 Connecting flex to common apparatus

Learning outcomes

Practical activities

The candidate will be able to:

1. Interpret drawings, follow instructions, identify relevant authorisation
2. Connect flex to a 13 amp plug top, choose the correct fuse
3. Connect flex to a ceiling rose and lamp holder
4. Remove the required amount of insulation from cores
5. Make terminations to correct terminals
6. Measure, mark out, position, secure work
7. Use fittings which are fit for the purpose
8. Follow appropriate manufacturers instructions

Underpinning knowledge

The candidate will be able to:

1. State the health and safety implications related to electrical installations (Health & Safety, COSHH, PPE, IEE BS7671 Electricity at Work 1989, Handling wire systems and electrical equipment, hazards, Risk Assessment, working at height)
2. Determine the suitability of fixing methods
3. State the advantages and limitations of tools and equipment
4. State the effects of installing into unknown fabric
5. State the materials for use as electrical conductors and insulators
6. Determine sizes, types and quantities of wiring systems

Unit 032 Assignment

Candidate's instructions

Connection of flex to common apparatus (task A)

There are two tasks to this assignment. Both must be passed in order to achieve the assignment.

Assignment instructions

Time allowed: 20 minutes

Candidates are required to connect flex to a 13 amp fused plugtop.

The objective of this unit is to enable the candidate to recognise the correct colour coding for flexible cables and fuses, and the correct and safe use of tools to carry out specific tasks eg plugtop, ceiling rose and lamp holder.

See Fig 1 – Connect to a 13 amp fused plugtop

The following instructions should be read to the candidate who should be allowed to ask questions for clarification:

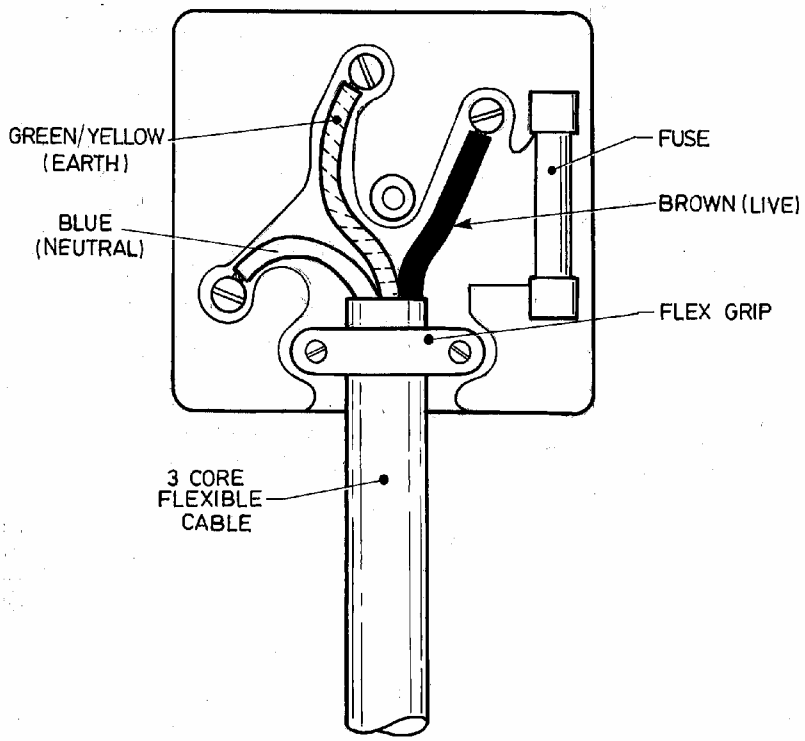
Candidates are required to:

Select correct type of plugtop to suit sockets in the particular installation (common plugtop in use is the 13 amp fused variety)
Select correct size of fuse to suit particular appliance
Remove cover from plugtop, remove terminal screws and place in upturned cover, loosen flex grip if fitted
Using appropriate tools (knife or stripping tools) carefully remove required amount of protective sheath from cable
Remove required amount of insulation from cores
Make terminations to correct terminals
Clamp cable sheath in cord grip
Fit correct fuse and replace cover

I have read and understand what is required for this unit

Candidate's Signature…… Date……

Assessor's Signature…… Date……



13 AMP PLUGTOP

FIG. 1

6217-08 Basic Construction Skills – Multi-Crafts

Unit 032 Assignment record

Marking: To pass all boxes in the first two columns must be marked as correct

	C	A	A2
Time allowed on assignment piece 20 minutes	☐	☐	☐
Body of plug assembled securely	☐	☐	☐
Fuse fitted	☐	☐	☐
Outer sheath of cable securely clamped	☐	☐	☐
Cable cores connected to correct terminals	☐	☐	☐
No loose or bare conductors outside terminals	☐	☐	☐
Safe working	☐	☐	☐

Candidate's Signature…… Date……

Assessor's Signature…… Date……

Internal Verifier's Signature…… Date……

Number of Attempts on Assignment……

Assessors Comments:

Unit 032 Assignment

Candidate's instructions

Connection of flex to common apparatus (task B)

There are two tasks to this assignment. Both must be passed in order to achieve the assignment.

Assignment instructions

Time allowed: 60 minutes

Candidates are required to connect the flex to a ceiling rose and lamp holder.

The objective of this unit is to test candidate's ability to recognise the correct colour coding for flexible cables and fuses, and the correct and safe use of tools to carry out specific tasks eg plugtop, ceiling rose and lamp holder.

See Fig 2 – Connect to ceiling rose and lamp holder.

At the discretion of the assessor this assignment can be dismantled following assessment and materials handed in for further use.

The following instructions should be read to the candidate who should be allowed to ask questions for clarification:

Candidates are required to

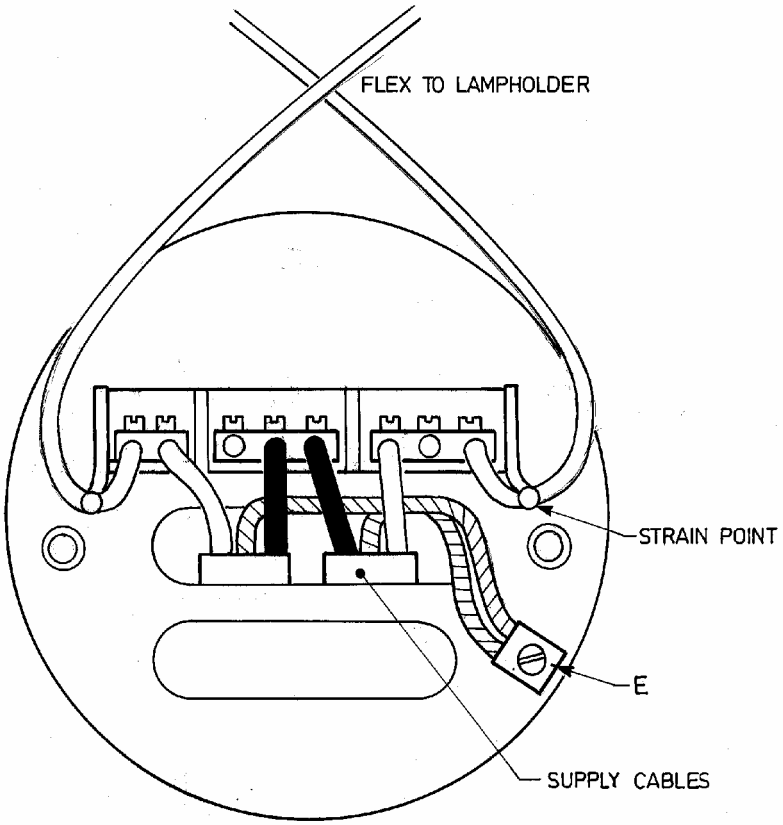
Remove covers from both ceiling rose and lamp holder
Remove old flex (if fitted), noting carefully where connections were made in ceiling rose
Select correct size and type of flex as replacement and cut to suitable length
Strip and prepare flex for connecting (remove sheath and insulation to required dimension)
Connect flex to both devices. Make sure that the flex passes through both covers before final connections are made
Pass flex under strain points in both devices
Replace covers

I have read and understand what is required for this unit

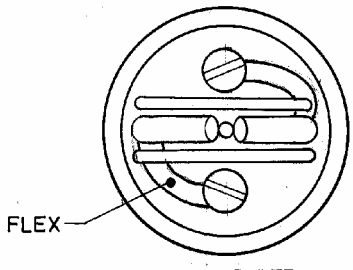
Candidate's Signature…… Date……

Assessor's Signature…… Date……

TEST No.1



CEILING ROSE



LAMPHOLDER
(TOP VIEW)

FIG. 2

6217-08 Basic Construction Skills – Multi-Crafts

Unit 032 Assignment record

Marking: To pass all boxes in the first two columns must be ticked as correct

	C	A	A2
Time allowed on assignment piece 60 minutes	☐	☐	☐
Check flex is of suitable size and length	☐	☐	☐
Both covers of ceiling rose and lamp holder replaced securely	☐	☐	☐
Flex passes under strain points in both ceiling rose and lamp holder	☐	☐	☐
Cable cores connected to correct terminal	☐	☐	☐
Safe working	☐	☐	☐

Candidate's Signature…… Date……

Assessor's Signature…… Date……

Internal Verifier's Signature…… Date……

Number of Attempts on Assignment.....

Assessors Comments:

Unit 033 Installing a one way lighting circuit

Learning outcomes

Practical activities

The candidate will be able to:

1. Interpret drawings, follow instructions, identify relevant authorisation
2. Measure, mark out, position, secure the work
3. Strip and prepare cable for terminating into switch and ceiling rose
4. Use fittings which are fit for the purpose
5. Follow appropriate manufacturers instructions
6. On completion of work all tools, equipment and materials are stored safely and securely

Underpinning knowledge

The candidate will be able to:

1. State the health and safety implications related to electrical installations (Health & Safety, COSHH, PPE, Handling wiring systems and electrical equipment, hazards, Risk Assessment, IEE Wiring BS7671, Electricity at work 1989, working at height)
2. Describe the use of ladders, trestles, systems scaffolding, platforms
3. Determine the suitability of fixing methods
4. State the advantages and limitations of tools and equipment
5. State the effects of installing into unknown fabric
6. State the materials for use as electrical conductors and insulators
7. Determine sizes, types and quantities of wiring systems

Unit 033 Assignment

Candidate's instructions

Installing a one way lighting circuit

Assignment instructions

Time allowed: 1 hour 30 minutes

The objective of this unit is to assess the ability of the candidate to transfer details from a given diagram to a practical situation given dimensions to scale.

At the discretion of the assessor this assignment can be dismantled following assessment and materials handed in for further use

The following instructions should be read to the candidate who should be allowed to ask questions for clarification:

Candidates are required to:

See Fig 3
Remove all projections from cable layout workboard (nails, screws, clips, etc). If necessary clean off all previous lines to avoid any confusion
Carefully and lightly mark out, using a pencil and ruler, all the cable runs from diagram (Fig 3).
Carefully mark position for clips
Select correct clip size to accommodate all cables in each run
Pin clips to marked position
Carefully fasten cables ensuring all runs are straight and bends are at right angles
Prepare boxes and mounting blocks for entry of cables. Care is required to avoid breaking out unnecessary entries
Fit boxes and mounting blocks to marked positions, using suitable screws
Carefully strip and prepare cable for terminating into switches, ceiling roses etc. Sleeve the earth wire
Test circuit

I have read and understand what is required for this unit

Candidate's Signature…… Date……

Assessor's Signature…… Date……

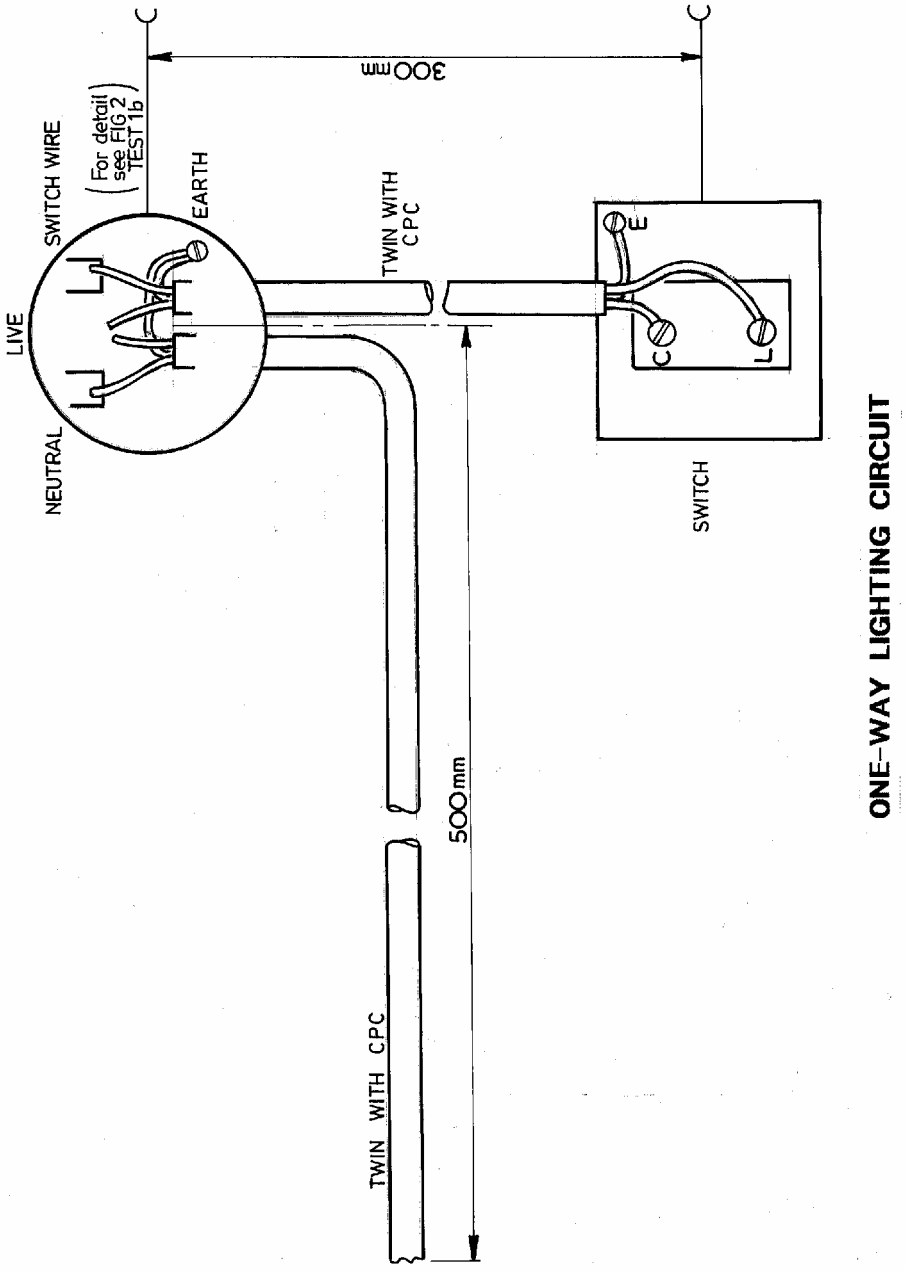

ONE-WAY LIGHTING CIRCUIT
SWITCH WIRE
(For detail see FIG 2 TEST 1b)
EARTH
TWIN WITH CPC
LIVE
NEUTRAL
300mm
500mm
TWIN WITH CPC
SWITCH
E
C
L

FIG. 3

6217-08 Basic Construction Skills – Multi-Crafts

Unit 033 Assignment record

Marking: To pass all boxes in the first two columns must be ticked as correct

	C	A	A2
Time allowed on assignment piece 1 hr 30 minutes	☐	☐	☐
Check circuit dimension + or – 10 mm	☐	☐	☐
Covers of ceiling rose and lamp holder securely replaced; switchplate securely fitted	☐	☐	☐
Conductors pass under straining points	☐	☐	☐
Cables cores connected to correct terminals	☐	☐	☐
No loose or bare conductors outside terminals	☐	☐	☐
Earth wires securely terminated and sleeved	☐	☐	☐
Circuit testing	☐	☐	☐
Safe working	☐	☐	☐

Candidate's Signature…… Date……

Assessor's Signature…… Date……

Internal Verifier's Signature…… Date……

Number of Attempts on Assignment.....

Assessors Comments:

Unit 034 Assembling 13 amp switched sockets wired in ring main

Learning outcomes

Practical activities

The candidate will be able to:

1. Interpret drawings, follow instructions, identify relevant authorization
2. Measure, mark out, position, secure the work
3. Strip and prepare cable for terminating into switched sockets
4. Use fittings which are fit for the purpose
5. Follow appropriate manufacturers instructions

Underpinning knowledge

The candidate will be able to:

1. State the health and safety implications related to electrical installations (Health & Safety, COSHH, PPE, Handling Wiring systems and electrical equipment, Hazards, Risk Assessment, working at height, IEE Wiring BS7671, Electricity at Work 1989)
2. Describe the use of ladders, trestles, platforms, systems scaffolding
3. Determine the suitability of fixing methods
4. State the advantage and limitations of tools and equipment
5. State the effects of installing into unknown fabric
6. State the materials for use as electrical conductors and insulators
7. Determine sizes, types and quantities of wiring systems

Unit 034 Assignment

Candidate's instructions

13 amp switched sockets wired in ring main

Assignment instructions

Time allowed: 1 hour 30 minutes

The objective of this unit is to assess the ability of the candidates to transfer information from scaled diagram to practical installation.

Clips at bends on accessories should be 30 mm away. All other clips should be spaced at 100 mm intervals. If an open circuit fault occurs between sockets 1 and 2 the assessor must stage the procedure for locating and repairing the fault.

At the discretion of the assessor this assignment can be dismantled following assessment and materials handed in for further use.

The following instructions should be read to the candidate who should be allowed to ask questions for clarification:

Candidates are required to:

See Fig 4
Remove all projections from the work area board
Mark out cable layout from given dimensions
Fix suitable size clips to the board at suitable intervals
Carefully fix cables, ensuring straight runs and all bends are at right angles
Prepare boxes for cables entries. Care is required to avoid breaking out unnecessary entries
Pass cables into boxes and fix to surface using suitable length screws
Carefully strip and prepare cable ends for termination at socket. Sleeve earth wires
Terminate cables
Carry out appropriate tests on completed installation

I have read and understand what is required for this unit

Candidate's Signature…… Date……

Assessor's Signature…… Date……

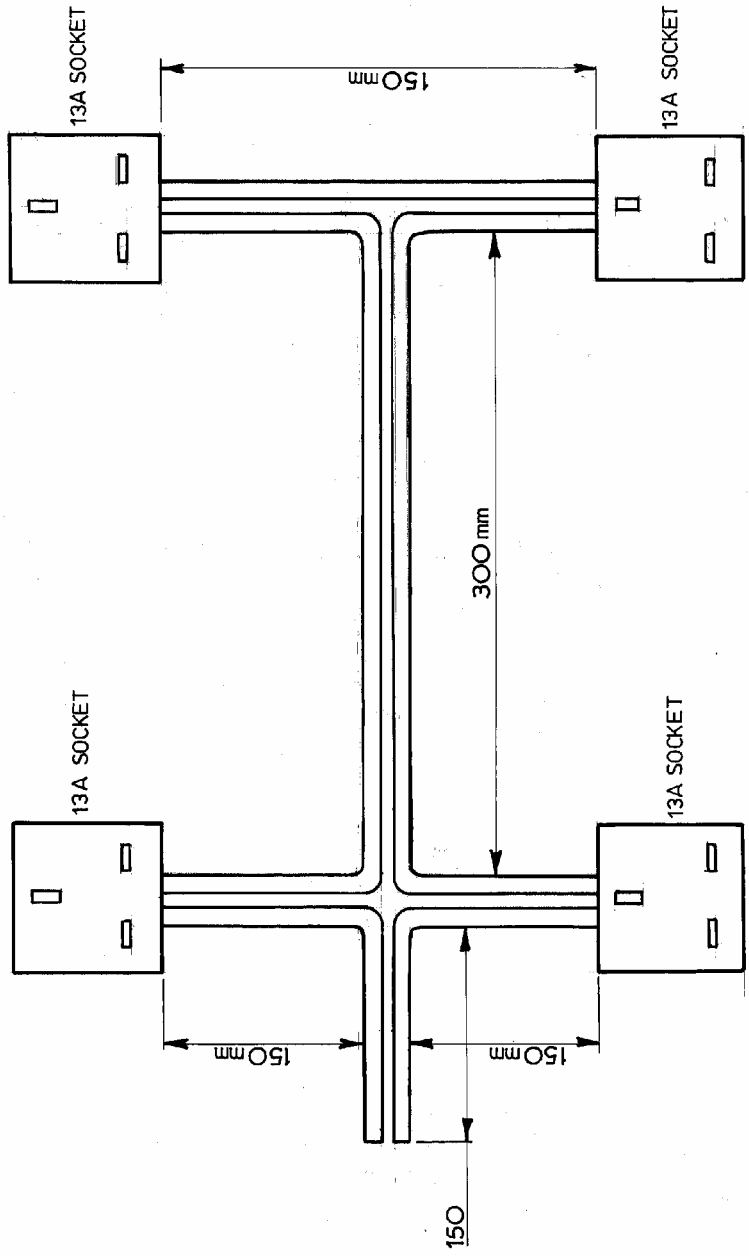

13A SOCKET
13A SOCKET
150mm
300 mm
13A SOCKET
13A SOCKET
150mm
150mm
150
RING FINAL CIRCUIT

FIG. 4

6217-08 Basic Construction Skills – Multi-Crafts

Unit 034 Assignment record

Marking: To pass all boxes in the first two columns must be ticked as correct

	C	A	A2
Time allowed on assignment piece 1 hr 30 minutes	☐	☐	☐
Circuit dimensions	☐	☐	☐
Sockets securely fitted to boxes	☐	☐	☐
Cables cores connected to correct terminals	☐	☐	☐
No loose or bare conductors outside terminals	☐	☐	☐
CPC's securely terminated and sleeved	☐	☐	☐
Testing the installation	☐	☐	☐
Safe working	☐	☐	☐

Candidate's Signature…… Date……

Assessor's Signature…… Date……

Internal Verifier's Signature…… Date……

Number of Attempts on Assignment……

Assessors Comments:

Unit 035 Cutting, bending and threading conduit

Learning outcomes

Practical activities

The candidate will be able to:

1. Interpret drawings, follow instructions, identify relevant authorization
2. Measure, mark out, position, secure work
3. Cut conduit to length, bend to prescribed dimensions, thread the ends to stated details
4. Use fittings which are fit for the purpose
5. Follow appropriate manufacturers instructions

Underpinning knowledge

The candidate will be able:

1. State the health and safety implications related to electrical installations (Health & Safety, COSHH, PPE, Handling, Risk Assessment, Working at Height, IEE Wiring BS7671, Electricity at Work 1989)
2. Describe the types of wiring enclosures (PVC, Conduit, Steel trunking, cable trays)
3. Describe the use of ladders, trestles, platforms, system scaffolding
4. Determine the suitability of fixing methods
5. State the advantage and limitations of tools and equipment
6. State the effects of installing into unknown fabric
7. State the materials for use as electrical conductors and insulators
8. Determine sizes, types and quantities of wiring systems

Unit 035 Assignment

Candidate's instructions

Cut, bend and thread conduit

Assignment instructions

Time allowed: 1 hour 30 minutes

The objective of this unit is to assess the candidate's ability to interpret a drawing to manipulate a bending machine and cut and thread conduit using the correct tools and equipment.

The following instructions should be read to the candidate who should be allowed to ask questions for clarification:

Candidates are required to:

See Fig 5
Collect together all appropriate tools and check for good condition of hacksaw blades, stocks and dies etc
Cut to length a piece of conduit ensuring the cut is made square
Ream out the bore to remove burrs and cut a slight chamfer on the outside of conduit using a file
Smear outside of conduit slightly with cutting paste (tallow or cutting compound)
Cut the threads using stocks and dies (N.B. Reverse cutting rotation by quarter of a turn at regular intervals in order to remove swarf)
Carefully measure and mark position of bends and offset
Place conduit in bending machine, using the correct setting block, and line up the marks using the set square
Remove conduit from machine and check the accuracy and squareness of bend
Replace conduit into the machine and shape the offset in accordance with Fig 5
Remove from machine and check dimensions

I have read and understand what is required for this unit

Candidate's Signature…… Date……

Assessor's Signature…… Date……

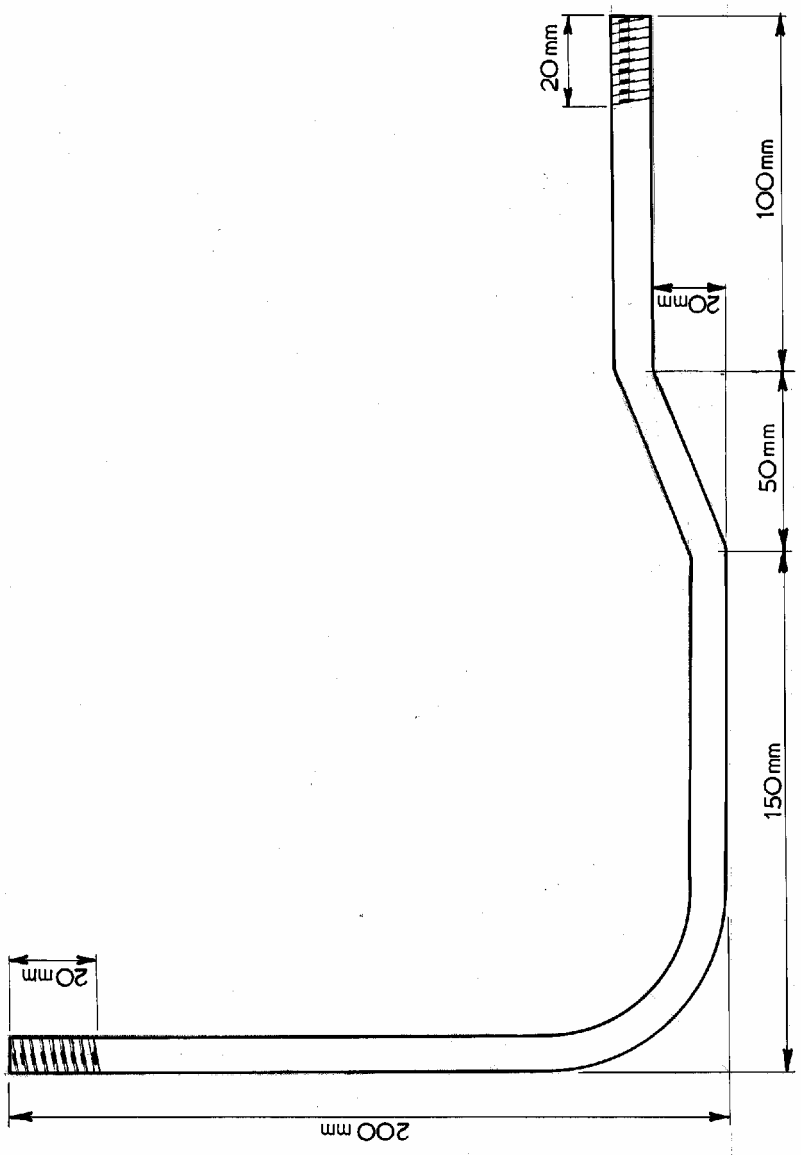


FIG. 5

6217-08 Basic Construction Skills – Multi-Crafts

Unit 035 Assignment record

Marking: To pass all boxes in the first two columns must be ticked as correct

	C	A	A2
Time allowed on assignment piece 1 hr 30 minutes	☐	☐	☐
Product dimensions	☐	☐	☐
Burrs removed, threads clean and conduit cut to dimensions	☐	☐	☐
Bends square	☐	☐	☐
Offset to dimensions	☐	☐	☐
No vice marks from bending machine. Overall appearance of conduit, clean and free from marks	☐	☐	☐
Safe working	☐	☐	☐

Candidate's Signature…… Date……

Assessor's Signature…… Date……

Internal Verifier's signature…… Date……

Number of Attempts on Assignment……

Assessors Comments:

Unit 036 Cutting and bending trunking

Learning outcomes

Practical activities

The candidate will be able to:

1. Interpret drawings, follow instructions, identify relevant authorisation
2. Measure, mark out, position, secure the work
3. Cut steel trunking to length, shape for bending, fold to written instructions, drill and secure cleats
4. Use fittings which are fit for the purpose
5. Follow appropriate manufacturers instructions

Underpinning knowledge

The candidate will be able to:

1. State the health and safety implications related to electrical installations (Health & Safety, COSHH, PPE, Handling Wiring Systems and electrical equipment, hazards, Risk Assessment, Working at Height, IEE Wiring BS7671, Electricity at Work 1989)
2. Name the types of wiring enclosures (PVC, Conduit, steel trunking, cable trays)
3. Identify when to use ladders, trestles, platforms, system scaffolding
4. Determine the suitability of fixing methods
5. State the advantages and limitations of tools and equipment including use of drilling machines
6. State the effects of installing into unknown fabric
7. State the materials for use as electrical conductors and insulators
8. Determine sizes, types and quantities of wiring systems

Unit 036 Assignment

Candidate's instructions

Trunking

Assignment instructions

Time allowed: 2 hours

The objective of this unit is to assess the candidate's ability to cut trunking to length using a hacksaw and clean off any burr on internal and external faces using a file. To cut the trunking flanges and produce a 90° bend. To choose the correct size drill and fit it safely into a bench mounted pillar drill. To clamp the material securely, whilst drilling and to choose and use the correct PPE

The assignment should be carried out using the following tools, materials and equipment:
a suitable workbench must be available with an engineer's vice fitted to it, a bench mounted pillar drill and a range of drills must be available, metal cutting and preparation tools must be available (spanners, files, centre pops, hammers, hacksaw, etc), appropriate PPE.

The following instructions should be read to the candidate who should be allowed to ask questions for clarification:

Candidates are required to:

See Fig 6
Cut a piece of 50 mm x 50 mm square trunking to a length of 300 mm
File off the ends on the inside and outside faces (to avoid damage to outer cover of electric wiring when pulling through)
Using the marking out tools and hacksaw, mark out, cut and remove a section from both flanges of the trunking to allow for the forming of a 90° angle as shown in Fig 6
Fold the trunking to form an angle of 90°
Using the off-cuts from Unit 036 drill and secure these to the 90° angle joints to strengthen the flanges. Use 4 no 6 mm dia x 10 mm long nuts and bolts (See Fig 6)
The flange cutting and drilling can be carried out in any order
Ensure that material is securely clamped when cutting and drilling

I have read and understand what is required of this unit

Candidate's Signature…… Date……

Assessor's Signature…… Date……

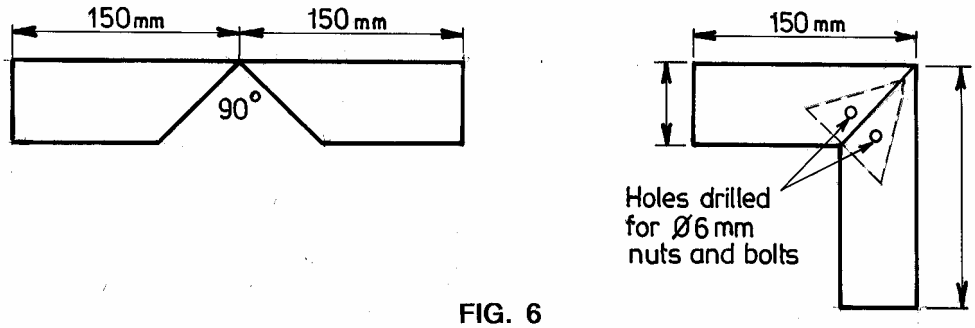


FIG. 6

6217-08 Basic Construction Skills – Multi-Crafts

Unit 036 Assignment record

Marking: To pass all boxes in first two columns must be ticked as correct

	C	A	A2
Time allowed on assignment piece 2 hrs	☐	☐	☐
Trunking cut accurately to length with ends square	☐	☐	☐
Burr removed using a file	☐	☐	☐
Correct section cut out and angle determined	☐	☐	☐
Correct folding procedure. No gaps greater than 2 mm	☐	☐	☐
Correct size holes, drilled in correct position	☐	☐	☐
Assemble cleats to the trunking joint. No damage to screw threads. Holes in alignment.	☐	☐	☐
Safe working	☐	☐	☐

Candidate's Signature…… Date……

Assessor's Signature…… Date……

Internal Verifier's Signature…… Date……

Number of Attempts on Assignment.....

Assessors Comments:

Unit 046 Constructing block wall

Learning outcomes

Practical activities

The candidate will be able to:

1. Interpret drawings, specifications, schedules related to block wall construction
2. Lay blocks to a line, level, plumb, gauge, bond, joint, square, indent and tooth
3. Measure, set courses, mark out, position, secure the work
4. Safely use personal protective equipment (PPE)
5. Safely use and store tools and equipment
6. Protect the work and its surrounding area from damage
7. Dispose of waste
8. Minimise damage and maintain a clean work space
9. Use and maintain hand tools

Underpinning knowledge

The candidate will be able to:

1. State the health and safety implications related to block laying (Health & Safety, COSHH, PPE, PUWER, Manual Handling, Risk Assessments, Hazards, Fire Extinguishers)
2. Identify the hazards associated with the resources and methods of work (below ground, at height, with tools and equipment, manual and mechanical handling)
3. State how emergencies should be responded to
4. State how resources should be used
5. State what the accident reporting procedures are and who is responsible for making the reports
6. State why and when personal protective equipment (PPE) should be used
7. State how to protect work from damage and the purpose of protection
8. State why the disposal of waste should be carried out safely
9. State how the maintenance of tools and equipment is carried out
10. State the importance of teamwork

Unit 046 Assignment

Candidate's instructions
Block walling

Assignment instructions

Time allowed: 6 hours

The object of this unit is to assess the ability of candidates to set out and build a block wall six blocks long with a four block right angle toothed end return with an indent 120 mm wide.

The assignment should be carried out using the following materials and equipment:
floor area 4 m x 3 m situated inside or outside with sufficient working space and spot board, blocks and mortar within easy reach.

Sufficient blocks to be available to complete the assignment.

The candidate can use any of the tools, equipment and materials provided.

The following instructions should be read to the candidate who should be allowed to ask questions for clarification:

Candidates are required to:

Set out and build the block wall in half bond with indent allowed in accordance with the drawing provided.
Build the toothed end return.
All joints to front and end faces to be flat struck with the rear of the wall left flush from the towel.

I have read and understand what is required for this unit

Candidate's Signature…… Date……

Assessor's Signature…… Date……

FIRST COURSE AND PLUMBING POINTS

NOT TO SCALE

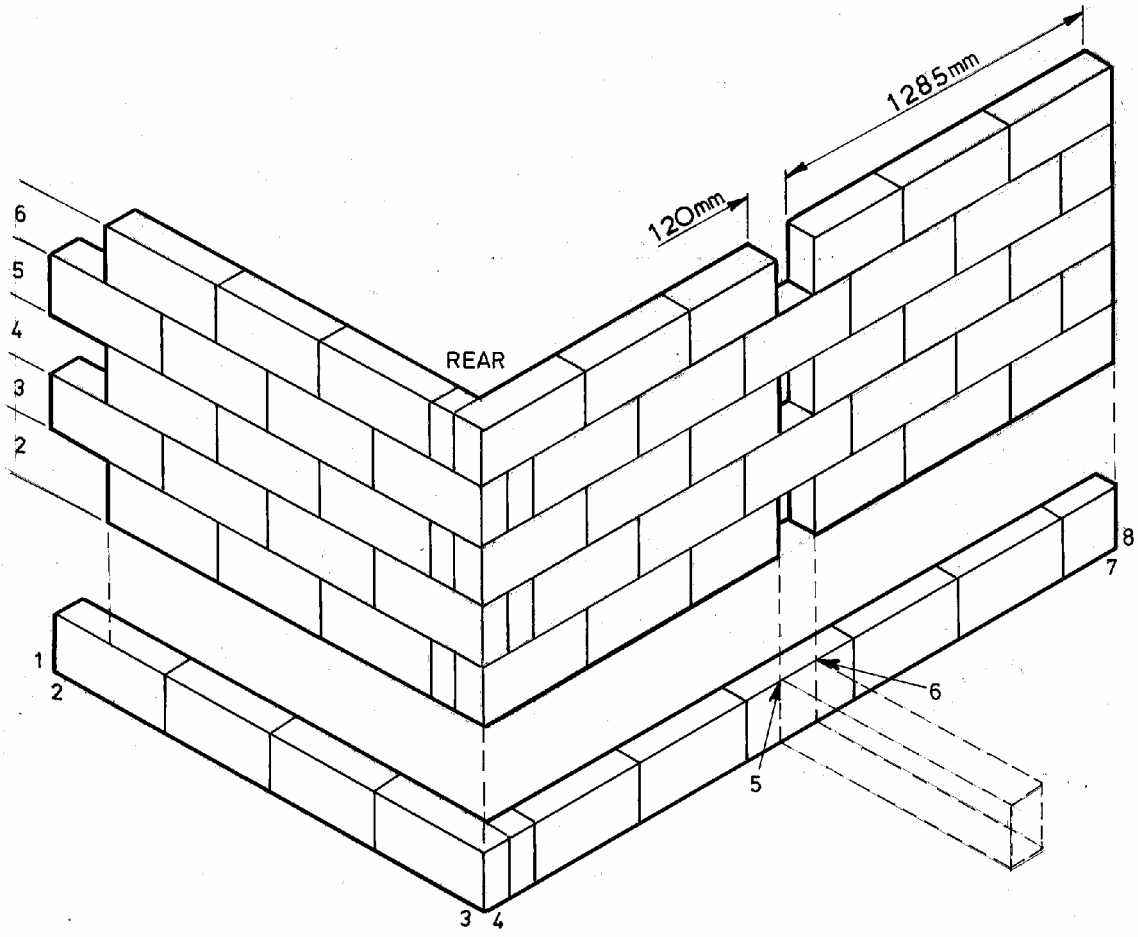


FIG. 6

6217-08 Basic Construction Skills – Multi-Crafts

Unit 046 Assignment record

Marking: To pass all boxes in the first two columns must be ticked as correct

	C	A	A2
Time allowed on assignment piece 6 hrs	☐	☐	☐
Six blocks X four blocks X six courses in half bond	☐	☐	☐
Setting out. Square measured one block from quoin within 3 mm	☐	☐	☐
Indent 120 mm wide + or – 5 mm	☐	☐	☐
Indent positioned 1285 mm from stopped end + or – 12 mm	☐	☐	☐
Gauge. Four courses to 900 mm. Taken overall 1350 mm + or – 6 mm	☐	☐	☐
Regular joint thickness	☐	☐	☐
Levels. Taken overall. Top course to line + or – 3 mm Front elevation within 4 mm, End elevation within 4 mm	☐	☐	☐
Plumb. Perpendicular overall at each plumbing point + or – 4 mm Points 1, 2, 3, 4, 5, 6, 7 and 8	☐	☐	☐
Cross joints 10 mm wide + or – 5 mm	☐	☐	☐
Face plane range. Diagonal ranges (2 per face) Deviation: Front within 7 mm. Return end within 5 mm	☐	☐	☐
Facework. Some block selection with no major defects. Allow for small amount of smudging. Front and end return	☐	☐	☐
Front joints (both faces) flat struck	☐	☐	☐
Rear joints (both faces) flush	☐	☐	☐
Safe working with correct PPE	☐	☐	☐

Candidate's Signature…… Date……

Assessor's Signature…… Date……

Internal Verifier's Signature…… Date……

Number of Attempts on Assignment……

Assessors Comments:

6217-08 Basic Construction Skills – Multi-Crafts

Unit 046 Assignment record

Marking: To pass all boxes in the first two columns must be ticked as correct

	C	A	A2
Time allowed on test piece 5 hrs	☐	☐	☐
Marking out firm and accurate	☐	☐	☐
Fit of joints	☐	☐	☐
Stub mortice and tenons	☐	☐	☐
Bare faced mortice and tenons	☐	☐	☐
Joint of brace	☐	☐	☐
Correct dimensions to ± 2mm	☐	☐	☐
Spacing of slats	☐	☐	☐
All surfaces clean and smooth	☐	☐	☐
Correct use of sash cramps	☐	☐	☐
Square and true	☐	☐	☐
Adhesive used	☐	☐	☐

Candidate's Signature…… Date……

Assessor's Signature…… Date……..

Internal Verifier's Signature…… Date……..

Number of attempts on assignment……

Assessors Comments:

Unit 080 Constructing a nail box

Learning outcomes

Practical activities

The candidate will be able to:

1. Read a drawing showing a nail box
2. Read a cutting list for a nail box
3. Select suitable timber/board material to produce a nail box
4. Assemble the tools and materials required to produce a nail box
5. Mark out the components for a nail box on the timber
6. Prepare the components for a nail box accurately
7. Assemble the nail box using suitable glue/adhesive
8. Demonstrate the sharpening and maintenance of hand tools.

Underpinning knowledge

The candidate will be able to:

1. Produce a nail box with the aid of appropriate machinery and/or powered hand tools
2. State the health and safety implications of using timbers, cutting tools, machinery and powered hand tools
3. State the appropriate machinery and powered hand tools suitable for use in producing a nail box
4. State the need for accuracy in marking out and cutting materials
5. State the need for work to be clean
6. State the selection of appropriate glues and adhesives
7. State the principles involved in maintaining machines and tools in good condition
8. State that there are environmental issues involved with the use of timber and timber based materials.

The candidate will know of the current Legislation with regard to:

1. Timber and timber products
2. Woodworking machinery
3. Hand and powered hand tools.

Unit 080 Assignment

Candidate's instructions

Constructing a nail box

Assignment instructions

Time allowed: 5 hours

Before starting this unit candidates must make sure they have everything they need.
Candidates must make sure they have sufficient clear space to work in and the area is safe and tidy.
Candidates must make sure they have the correct timber and all pieces are of the correct size.

The test should be carried out using the following tools and equipment:
600 mm rule, bench hold fast or G cramp, try square, 8 mm, 15 mm and 18 mm bevel edge chisels, cutting gauge, mallet, sliding bevel or dovetail template, chopping board, marking knife, bench hold fast or G cramp, dovetail saw, swing brace and 25 mm bit, tenon saw, coping saw, hammer , bench hook, smoothing plane

Optional use of power tools and machinery:
hand router with 10 mm cutter
jig saw
narrow bandsaw

The following instructions should be read to the candidate who should be allowed to ask questions for clarification:

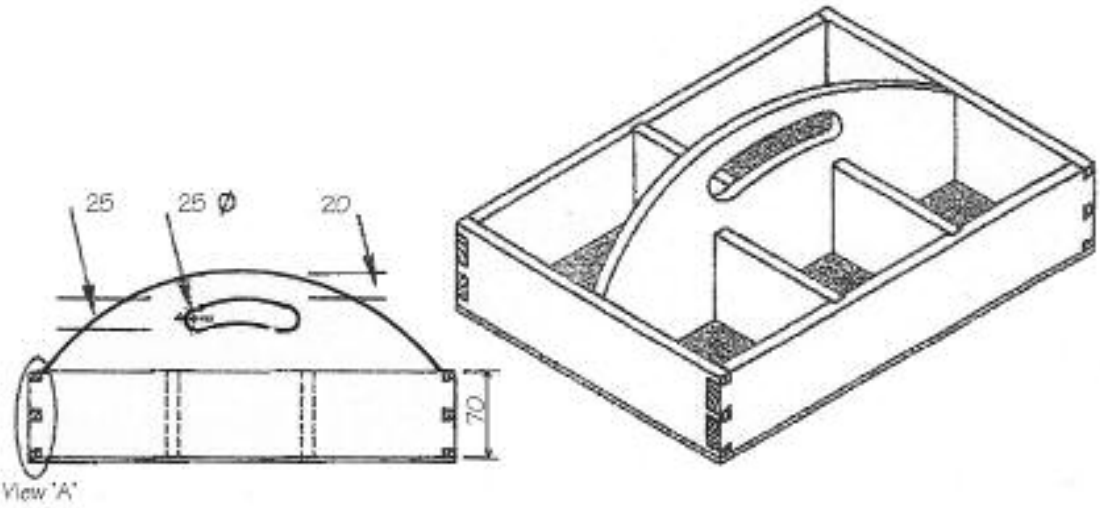
Referring to the drawing on the following page candidates are required to:
Construct the nail box as shown in the drawing

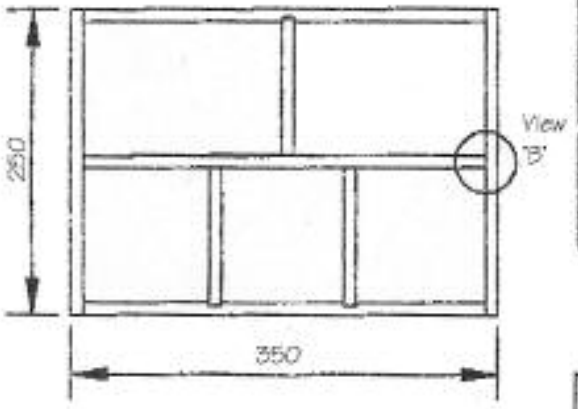
Specifications:
Candidates may, under appropriate supervision, prepare their own timber (not included in time)
All markings to be clear and clean
All dimensions to be within ± 2mm
All saw cuts to be accurate to ± 1mm
All joints to be level and evenly finished
No residue of glue to be left

I have read and understood what is required for this unit

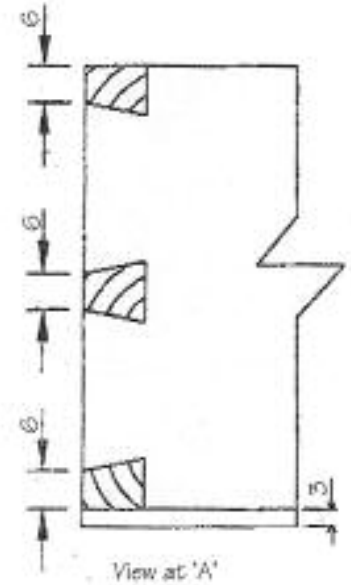
Candidate's Signature..... Date.....

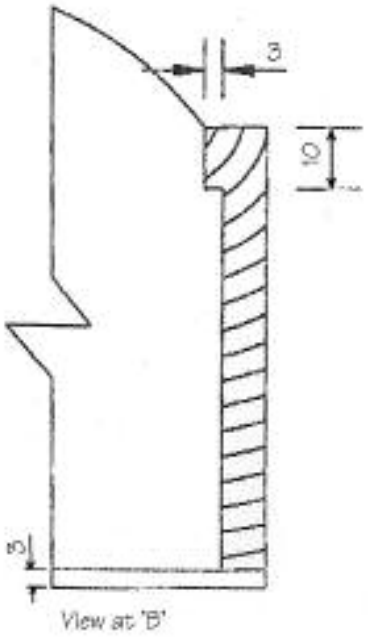
Assessor's Signature..... Date.....





Description	No Off	Finished Sizes		
		Length	Width	Thickness
Sides (pine)	2	330	70	10
Ends (pine)	2	250	70	10
Dividers (pine)	3	113	70	10
Handle (M.D.F.)	1	330	150	9
Bottom (H/board)	1	350	250	3





6217-08 Basic Construction Skills – Multi-Crafts

Unit 080 Assignment record

Marking: To pass all boxes in the first two columns must be ticked as correct.

	C	A	A2
Time allowed on test piece 5 hrs	☐	☐	☐
Marking out firm and accurate	☐	☐	☐
Fit of joints	☐	☐	☐
Dovetails	☐	☐	☐
Housings	☐	☐	☐
Shape of centre handle division	☐	☐	☐
Correct dimensions to ± 2mm	☐	☐	☐
Spacing of divisions	☐	☐	☐
All surfaces clean and smooth	☐	☐	☐
Square and true	☐	☐	☐
Adhesive used	☐	☐	☐

Candidate's Signature…… Date……

Assessor's Signature…… Date……

Internal Verifier's Signature…… Date……

Number of attempts on assignment.....

Assessors Comments:

Unit 082 Constructing furniture - garden gate

Learning outcomes

Practical activities

The candidate will be able to:

1. Read a drawing showing a garden gate
2. Read a cutting list for a garden gate
3. Select suitable timber/board material to produce a garden gate
4. Assemble the tools and materials required to produce a garden gate
5. Mark out the components for a garden gate on the timber
6. Prepare the components for a garden gate accurately
7. Assemble the garden gate using suitable glue/adhesive
8. Demonstrate the sharpening and maintenance of hand tools.

Underpinning knowledge

The candidate will be able to:

1. State the health and safety implications of using timbers, cutting tools, machinery and powered hand tools
2. State the appropriate machinery and powered hand tools suitable for use in producing a Garden Gate
3. State the need for accuracy in marking out and cutting materials
4. State the purpose of the brace component on a garden gate
5. State the need for work to be clean
6. State the selection of appropriate glues and adhesives
7. State the principles involved in maintaining machines and tools in good condition
8. State that there are environmental issues involved with the use of timber and timber based materials.

The candidate will know of the current Legislation with regard to:

1. Timber and timber products
2. Woodworking machinery
3. Hand and powered hand tools.

Unit 082 Assignment

Candidate's instructions

Constructing furniture - garden gate

Assignment instructions

Time allowed: 5 hours

Before starting this unit candidates must make sure they have everything they need.

Candidates must make sure they have sufficient clear space to work in and the area is safe and tidy.

Candidates must make sure they have the correct timber and all pieces are of the correct size.

The test should be carried out using the following tools and equipment:
1m steel rule or tape, mallet, try square, rebate plane, sliding bevel, smoothing plane, mortice gauge, tenon saw, marking knife, hand saw, 15 mm register chisel, bench hold fast or G cramp, 25 mm bevel, edge chisel, 2 No. sash cramps

Optional use of power tools and machinery:
hollow chisel mortice machine (Candidate to fit hollow chisel and auger. Set fence and depth stop);
hand router with cutters suitable to produce a 25 x 15 mm rebate, and a 10 x 10 chamfer

The following instructions should be read to the candidates who should be allowed to ask questions for clarification:

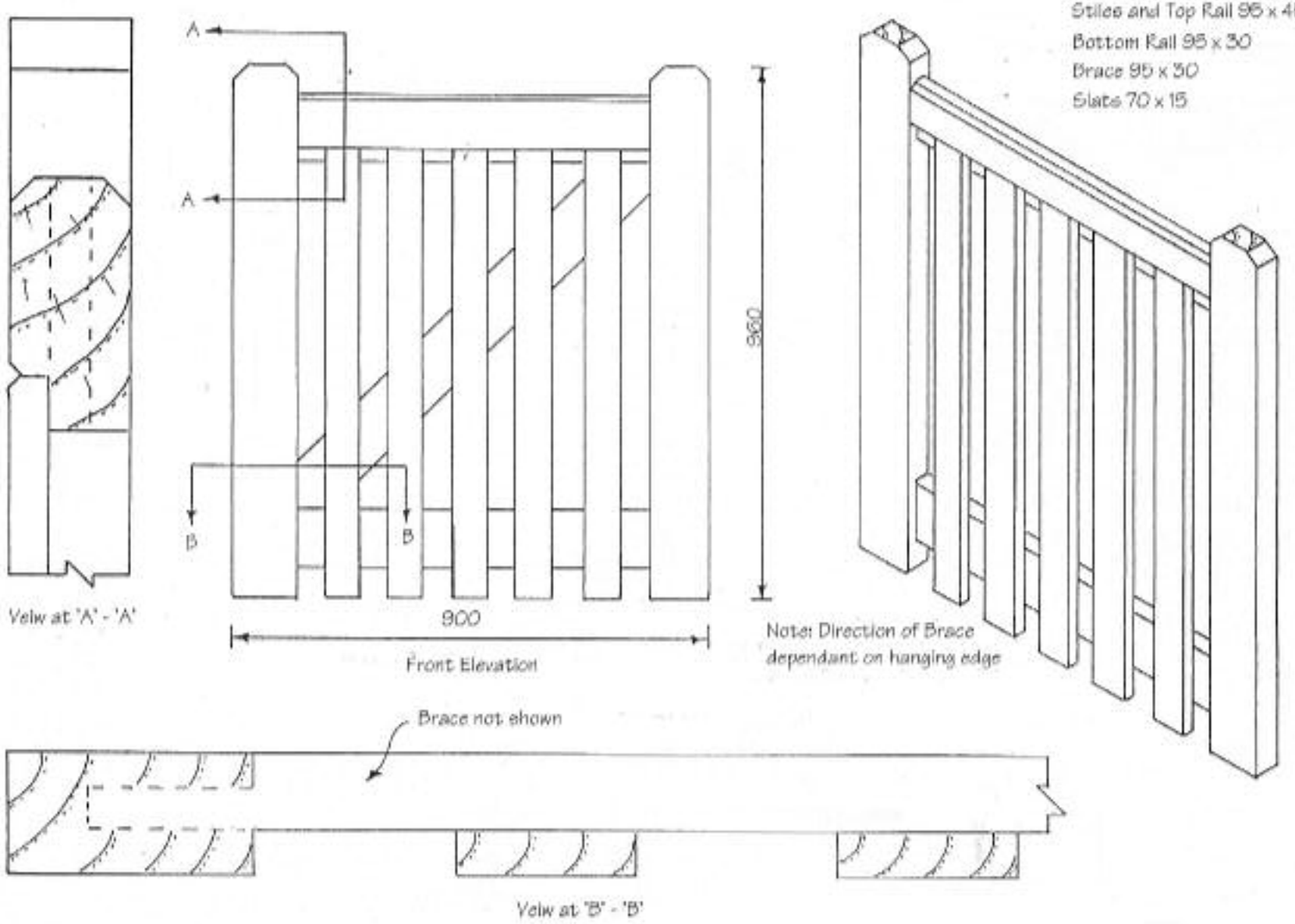
Referring to the drawing on the following page candidates are required to:
Construct the garden gate as shown in the drawing

Specifications:
Candidates may, under appropriate supervision, prepare their own timber (not included in time)
All markings to be clear and clean
All dimensions to be within ± 2mm
All saw cuts to be accurate to ± 1mm
All joints to be level and evenly finished
No residue of glue to be left

I have read and understood what is required for this unit

Candidate's Signature..... Date.....

Assessor's Signature..... Date.....


Stiles and Top Rail 95 x 45
Bottom Rail 95 x 30
Brace 95 x 30
Slats 70 x 15
A
A
B
B
900
900
Front Elevation
View at 'A' - 'A'
Note: Direction of Brace
dependant on hanging edge
Brace not shown
View at 'B' - 'B'

Basic Construction Skills – Multi-Crafts

Unit 082 Assignment record

Marking: To pass all boxes in the first two columns must be ticked as correct

	C	A	A2
Time allowed on test piece 5 hrs	☐	☐	☐
Accuracy and quality of setting out rod	☐	☐	☐
Correct marking out from rod	☐	☐	☐
Quality of morticing including haunches	☐	☐	☐
Tenon shoulders good fit	☐	☐	☐
Rebates cut accurately	☐	☐	☐
Panel cut to size	☐	☐	☐
Quadrant mould cut with good quality mitres and pinned cleanly	☐	☐	☐
Overall size – 600 x 450 + or – 2 mm	☐	☐	☐
Frame square and free from twist	☐	☐	☐
Quality of finish	☐	☐	☐
Safe working	☐	☐	☐

Candidate's Signature…… Date……

Assessor's Signature…… Date……

Internal Verifier's Signature…… Date……

Number of Attempts on Test……

Assessors Comments:

Unit 089 Introduction to accessing for painting and decorating

Learning outcomes

Practical activities

The candidate will be able to:

1. Interpret drawings, specifications, schedules, manufacturers' technical information related to the use of ladders and working platforms.
2. Erect, position a two piece extension ladder and lower and safely store away.
3. Erect, position, secure and check a working platform using trestles and lightweight staging and dismantle and safely store away.
4. Work safely at height.
5. Safely use personal protective equipment (PPE).
6. Safely use and store tools and equipment.
7. Minimise damage and maintain a clean work space.
8. Use and maintain hand tools.

Underpinning knowledge

The candidate will be able to:

1. State the health and safety implications related to erecting, positioning, securing and lowering ladders and the safe use of trestles and lightweight staging (Health & Safety, COSHH – The Control of Substances Hazardous to Health Regulations, PUWER – The Provision and Use of Work Equipment Regulations 1998, PPE, Manual Handling, Site Safety, Risk Assessment).
2. State the importance of keeping ladders, trestles and platforms in good condition and the precautions with their use.
3. State the correct procedure for working at height.
4. State how emergencies should be responded to and who should respond.
5. State what the accident reporting procedures are and who is responsible for making the reports.
6. State why and when personal protective equipment (PPE) should be used.
7. State the hazards associated with the resources and methods of work.
8. State how maintenance of tools and equipment is carried out.
9. State the importance of teamwork when working with other people.

Unit 089 Assignment

Candidate's instructions

Accessing

This assignment has two tasks. You must complete and pass both to achieve the unit.

Task A

Time allowed: 20 minutes

Candidates are required to erect, position, secure and lower a two-piece extension ladder to reach a selected location.

The location either inside or outside should offer a fixed point at a height between 5 and 6m. This unit can be taken in conjunction with a practical task.

An assistant must be available to assist the candidate to raise and lower the ladder (under candidates' instructions)

The following instructions should be read to the candidate who should be allowed to ask questions for clarification:

Candidates are required to:

Carry ladder at least 15m in the horizontal position
Erect ladder in vertical position
Extend ladder to required height
Carry ladder at least 3m in a vertical position
Place in correct position at correct angle
Tie top or bottom
Ascend and descend ladder carrying a paint pot and brush in one hand
Close ladder and drop it to the horizontal position

I have read and understand what is required for this unit

Candidate's Signature…… Date……

Assessor's Signature…… Date……

6217-08 Basic Construction Skills – Multi-Crafts

Unit 089 (Task A) Assignment record

Marking: To pass all boxes in the first two columns must be ticked as correct

	C	A	A2
Time allowed on assignment piece 20 minutes	☐	☐	☐
Carried safely in horizontal position	☐	☐	☐
Erected safely	☐	☐	☐
Extended to required height	☐	☐	☐
Carried safely in vertical position	☐	☐	☐
Placed in correct position	☐	☐	☐
Correct angle	☐	☐	☐
Firm base	☐	☐	☐
Lashings secure	☐	☐	☐
Ascended and descended safely	☐	☐	☐
Lowered correctly	☐	☐	☐
Ladder undamaged	☐	☐	☐
Surrounding area undamaged	☐	☐	☐

Candidate's Signature…… Date.....

Assessor's Signature…… Date.....

Internal Verifier's Signature…… Date.....

Number of Attempts on Assignment.....

Assessors Comments:

Unit 089 Assignment

Candidate's instructions

Accessing

This assignment has two tasks. You must complete and pass both tasks to achieve the unit.

Task B

Time allowed: 30 minutes

Candidates are required to erect, position, secure and dismantle a working platform using folding trestles and lightweight staging.

The test area should be a suitable location either inside or outside. The staging should be erected to a height of between 800 mm and 1 m. This unit can be taken in conjunction with a practical task.

An assistant must be available to assist the candidate to erect and dismantle the working platform (under candidate's instructions).

The following instructions should be read to the candidate who should be allowed to ask questions for clarification:

Candidates are required to:

Erect and position the trestles in accordance with instructions and regulations
Position the platform in accordance with instructions and regulations
Ascend and descend the platform whilst carrying a roller in one hand
Dismantle the working platform and safely store away

I have read and understand what is required for this unit

Candidate's Signature…… Date……..

Assessor's Signature…… Date……..

6217-08 Basic Construction Skills – Multi-Crafts

Unit 089 (Task B) Assignment record

Marking: To pass all boxes in the first two columns must be ticked as correct

	C	A	A2
Time allowed on assignment piece 30 minutes	☐	☐	☐
Trestles and staging erected safely to correct height, in accordance with	☐	☐	☐
Current regulations	☐	☐	☐
Correct position	☐	☐	☐
Firm base	☐	☐	☐
Ascended and descended safely	☐	☐	☐
Platform dismantled and parts stored safely and correctly	☐	☐	☐

Candidate's Signature…… Date.....

Assessor's Signature…… Date.....

Internal Verifier's Signature…… Date.....

Number of Attempts on Assignment.....

Assessors Comments:

Unit 090 Stripping, repairing and crosslining for wallpaper

Learning outcomes

Practical activities

The candidate will be able to:

1. Interpret drawings, specifications and schedules related to wall papering.
2. Shade, measure, match and cut, mix, apply, fold, position, fix, trim and clean off wallpapers.
3. Work safely at height.
4. Safely use personal protective equipment (PPE).
5. Safely use and store tools, materials and equipment.
6. Protect the work from damage.
7. Dispose of waste.
8. Minimise damage and maintain a clean work space.
9. Use and maintain hand tools, portable power tools and ancillary equipment.
10. Complete own work within the time allowed.

Underpinning knowledge

The candidate will be able to:

1. State the health and safety implications related to wall papering (Health & Safety, COSHH, PUWER, PPE, Manual Handling and Risk Assessment).
2. Identify batch numbers.
3. State the correct procedure for working at height.
4. State how emergencies should be responded to and who should respond.
5. State what the accident reporting procedures are and who is responsible for making the reports.
6. State why and when personal protective equipment (PPE) should be used.
7. State the hazards associated with the resources and methods of work.
8. State how to protect the work from damage and the purpose of protection.
9. State why the disposal of waste should be carried out safely.
10. State how maintenance of tools and equipment is carried out.
11. State the importance of teamwork when working with other people.
12. Identify defects and remedial treatments.

Unit 090 Assignment

Candidate's instructions

Strip, prepare and crossline area to receive a selected wallpaper

Assignment instructions

Time allowed: 6 hours 40 minutes

Candidates are required to strip, repair and crossline area to receive a selected wallpaper

Candidates are required to wallpaper a plaster wall.

The plaster wall should have an area of 10 m^2, height between 2.25 m or 3 m and contain two internal/external angles, door, dado rail, light switch block – square and round; covered with one lining paper and one layer of common uncoated wallpaper.

The paper must be checked by staff before the test for trimming, shading and matching, to ensure that standards are met.

Size and paste should be mixed by operative ready for use

Sufficient time should be allowed between procedures to allow for adequate drying – these are not to be included in the assignment time.

The following instructions should be read to the candidate who should be allowed to ask questions for clarification:

Candidates are required to:

Protect all area (for all processes)
Erect suitable scaffolding (for all processes)
Remove all existing paper by soaking and scraping
Remove all debris
Cut out and make good all holes and cracks with plaster or plaster-type filler
Abrade surface to remove lumps/bits
Size the wall
Crossline area
Hang ready trimmed set pattern paper
Remove scaffold, sheets and clean surrounding area
Check, clean tools and equipment and return to store

I have read and understand what is required for this unit

Candidate's Signature…… Date……

Assessor's Signature…… Date……

6217-08 Basic Construction Skills – Multi-Crafts

Unit 090 Assignment record

Marking: To pass all boxes in the first two columns must be ticked as correct

	C	A	A2
Time allowed on assignment piece 6hrs 40 minutes	☐	☐	☐
Protection of areas (for all processes)	☐	☐	☐
All paper/paste/size removal	☐	☐	☐
Surface undamaged by tools (allow for small nicks)	☐	☐	☐
All defects repaired smooth/level	☐	☐	☐
Size applied – without misses	☐	☐	☐
Crosslining: butt joined – without laps	☐	☐	☐
Wallpaper: freedom from wrinkling	☐	☐	☐
Wallpaper: sheets plumb – allow 2 mm of match	☐	☐	☐
Matching – correct at eye level – without 2 mm of match in 2 pattern repeats	☐	☐	☐
Butt joints – free from laps and gaps	☐	☐	☐
Straight clean cutting at top and bottom – no gaps and no overlaps	☐	☐	☐
Edge – not lifting	☐	☐	☐
Polished joints – not more than 200 mm on any joint	☐	☐	☐
Pencil marks – invisible from 1 m distance	☐	☐	☐
Blisters – free from when dry	☐	☐	☐
Creases – none	☐	☐	☐
Paste marks – non visible when dry	☐	☐	☐
Freedom from paste, lumps, bits and bristle	☐	☐	☐
Pattern position – positioned to best effect, correct way up	☐	☐	☐
Economical use of wallpaper			
a no excessive waste	☐	☐	☐
b correct number of lengths cut and hung	☐	☐	☐
Storing and removal of selvedge	☐	☐	☐
Maintenance of tools/equipment: undamaged, clean and stored	☐	☐	☐
Safe and hygienic working – appropriate regulations complied with	☐	☐	☐

Candidate's Signature..... Date.....

Assessor's Signature..... Date.....

Internal Verifier's Signature..... Date.....

Number of Attempts on Assignment.....

Assessors Comments:

Unit 091 Preparing and bringing forward to an oil gloss finish

Learning outcomes

Practical activities

The candidate will be able to:

1. Interpret drawings, specifications and schedules related to the use of paints.
2. Apply undercoat and gloss paint to linear, trim and narrow runs by brush.
3. Work safely at height.
4. Safely use personal protective equipment.
5. Safely use and store tools, materials and materials.
6. Protect the work from damage.
7. Dispose of waste.
8. Minimise damage and maintain a clean work space.
9. Use and maintain hand tools, portable power tools and ancillary equipment.

Underpinning knowledge

The candidate will be able to:

1. State the health and safety implications related to painting and decorating.
2. Select and explain water-borne and solvent borne coatings for linear and broad work by brush and roller to given instructions.
3. State how the resources should be used.
4. State how emergencies should be responded to and who should respond.
5. State what the accident reporting procedures are and who is responsible for making the reports.
6. State why and when personal protective equipment (PPE) should be used.
7. State the hazards associated with the resources and methods of work.
8. State how maintenance of tools and equipment is carried out.
9. State why the disposal of waste should be carried out safely.
10. State how maintenance of tools and equipment is carried out.
11. State the importance of teamwork when working with other people.
12. Identify defects and remedial treatments.

Unit 091 Assignment

Candidate's instructions

Prepare and bring forward, to oil gloss finish, selected wooden window frame and hinged light

Assignment instructions

Time allowed: 2 hours 30 minutes

Candidates are required to prepare and bring forward, to oil gloss finish, a selected wooden window frame and hinged light and apply one undercoat and one gloss coat.

Candidates are required to apply one undercoat and one gloss coat.

The objective of this unit is to test the ability of candidates to paint on putty and cut in around glass.

A window frame is to be provided, containing a hinged light with two panes of glass and one glazing bar.

The assignment should be organised to allow sufficient time between applications.

Only the time spent on the assignment should be recorded.

Emphasis is to be made of safety requirements.

The following instructions should be read to the candidates who should be allowed to ask questions for clarification:

Candidates are required to:

Erect scaffold (if required)
Rub down and dust off
Apply one undercoat and one coat of gloss
Paint on putty and cut in around inside of frame and glazing bar
Clean tools, remove scaffold (if applicable) and store away
Clean surrounding area

I have read and understand what is required for this unit

Candidate's Signature…… Date……

Assessor's Signature…… Date……

6217-08 Basic Construction Skills – Multi-Crafts

Unit 091 Assignment record

Marking: To pass all boxes in the first two columns must be ticked as correct

	C	A	A2
Time allowed on assignment piece 2 hrs 30 minutes	☐	☐	☐
Erection of suitable scaffold	☐	☐	☐
Preparation	☐	☐	☐
Cutting in of undercoat	☐	☐	☐
Undercoat application	☐	☐	☐
Bits and nibs – not excessive	☐	☐	☐
Brush marks – not pronounced	☐	☐	☐
No runs	☐	☐	☐
No fat edges	☐	☐	☐
Full finish: especially on arises	☐	☐	☐
Cutting in of gloss coat	☐	☐	☐
Misses – not visible from 1 m	☐	☐	☐
Paint 'Bridge' between glass and putty line under 3 mm	☐	☐	☐
No paint spots on glass and sill	☐	☐	☐
Uniformity of finished work	☐	☐	☐
Maintenance of tools and equipment	☐	☐	☐

Candidate's Signature…… Date.....

Assessor's Signature…… Date.....

Internal Verifier's Signature…… Date.....

Number of Attempts on Assignment.....

Assessors Comments:

Unit 092 Prepare an area to receive vinyl silk emulsion

Learning outcomes

Practical activities

The candidate will be able to:

1. Interpret drawings, specifications and schedules related to the application of vinyl silk emulsions.
2. Match, mix, pour, dilute, load, lay-on, lay-off and cut-in.
3. Apply vinyl silk until emulsion to linear, trim and narrow runs.
4. Work safely at height.
5. Safely use personal protective equipment (PPE).
6. Safely use and store tools, materials and equipment.
7. Protect the work from damage.
8. Dispose of waste.
9. Minimise damage and maintain a clean work space.
10. Use and maintain hand tools, portable power tools and associated equipment.

Underpinning knowledge

The candidate will be able to:

1. State the health and safety implications related to the use of vinyl silk emulsion (Health & Safety, COSHH, PUWER, PPE, Manual Handling, Risk Assessment and Site Safety).
2. Name the types of progress charts, timetables and estimated time.
3. State the correct procedure for working at height.
4. State how emergencies should be responded to and who should respond.
5. State how the resources should be used.
6. State what the accident reporting procedures are and who is responsible for making the reports.
7. State why and when personal protective equipment (PPE) should be used.
8. State the hazards associated with the resources and methods of work.
9. State how to protect the work from damage and the purpose of protection.
10. State why the disposal of waste should be carried out safely.
11. State how maintenance of tools and equipment is carried out.
12. State the importance of teamwork when working with other people.

13. Identify defects and remedial treatments.

Unit 092 Assignment

Candidate's instructions

Prepare selected area to receive emulsion paint and apply using roller technique

Assignment instructions

Time allowed: 1 hour 40 minutes

Candidates are required to prepare a selected area to receive an emulsion paint and apply using roller technique.

The test should be carried out on a smooth, flat wall area 8 m² with an angle run of at least 5 m for cutting-in. The surface will require preparation and bringing forward to receive finish.

The assignment should be organised so as to allow sufficient time between coats.
Only the time spent on the assignment should be recorded.

The paint must be checked to ensure uniformity of materials.

Colours should be chosen with regard to opacity.

Tools should be checked and returned to store.

Scaffolding and protective sheet should be removed.

Surrounding area should be cleaned.

The following instructions should be read to the candidate who should be allowed to ask questions for clarification:

Candidates are required to:

Protect surrounding area
Erect suitable scaffolding (for all processes)
Rub down area
Repair defects and rub down
Cut-in emulsion paint to angles by brush
Apply first coat of emulsion by roller
Lightly abrade and dust off
Cut-in emulsion paint to angles by brush
Apply second coat of emulsion by roller
Wash roller/brush thoroughly

I have read and understand what is required for this unit

Candidate's Signature…… Date……

Assessor's Signature…… Date……

6217-08 Basic Construction Skills – Multi-Crafts

Unit 092 Assignment record

Marking: To pass all boxes in the first two columns must be ticked as correct

	C	A	A2
Time allowed on assignment piece 1 hrs 40 minutes	☐	☐	☐
Protection of surrounding area (for all processes)	☐	☐	☐
Erection of scaffolding – to comply with regulations	☐	☐	☐
Preparation of defects – smooth and flush with surface	☐	☐	☐
Free from nibs and bits	☐	☐	☐
Cutting-in by brush – straight and free from gaps	☐	☐	☐
Orange peel – texture visible but not pronounced	☐	☐	☐
Bits or nibs – visible but not pronounced	☐	☐	☐
Sags: allow one sag 50 mm across	☐	☐	☐
Free from brush marks at angles and round obstacles	☐	☐	☐
Frothing – free from bubbles/craters	☐	☐	☐
Full, even, uniform sheen	☐	☐	☐
Ridges – free from ridges or skid marks left by roller	☐	☐	☐
Misses: invisible from 1 m distance	☐	☐	☐
Free from grinning	☐	☐	☐
Cleanliness: free from spots, splashes and spray	☐	☐	☐
Tools and equipment: undamaged, clean and stored	☐	☐	☐
Safe, hygienic working – appropriate regulations complied with	☐	☐	☐

Candidate's Signature…… Date……

Assessor's Signature…… Date……

Internal Verifier's Signature…… Date……

Number of Attempts on Assignment.....

Assessors Comments:

Unit 093 Constructing cavity wall

Learning outcomes

Practical Activities

The candidate will be able to:

1. Interpret drawings, specifications, schedules related to laying bricks to a specified bond
2. Lay bricks to a line, level, plumb, gauge, bond, joint and square
3. Measure, set courses , mark out, position, secure the work
4. Safely use personal protective equipment (PPE)
5. Safely use and store tools and equipment
6. Protect the work and its surrounding area from damage
7. Dispose of waste
8. Minimise damage and maintain a clean work space
9. Use and maintain hand tools.

Underpinning knowledge

The candidate will be able to:

1. State the health and safety implications related to bricklaying (Health & Safety, COSHH, PPE, PUWER, Manual Handling, Risk Assessment, Hazards and Fire Extinguishers)
2. Identify the hazards associated with the resources and methods of work (below ground, at height, with tools and equipment, by manual handling and mechanical lifting
3. State how emergencies should be responded to and who should respond.
4. State what the accident reporting procedures are and who is responsible for making the reports.
5. State why and when personal protective equipment (PPE) should be used.
6. State how to protect work from damage and the purpose of protection.
7. State why the disposal of waste should be carried out safely.
8. State how the maintenance of tools and equipment is carried out.
9. State the importance of teamwork.
10. State the purpose of cavity wall insulation and thermal insulation cavity closers
11. State the types of wall ties

Unit 093 Assignment

Candidate's instructions

Assemble cavity wall

Assignment instructions

Time allowed: 4 hours

The objective of this unit is to assess the ability of candidates to set out and build a straight length of cavity wall (275 mm wide) to comply with current Building Regulations. The front leaf to be 8 bricks long and the back leaf to be built with blocks. Vertical cavity closers and horizontal D.P.C's should be included to comply with Building Regulations. Two wall ties positioned in accordance with drawing should be included to comply with Building Regulations.

This assignment is designed to further improve the candidates' building techniques and introduces them to block building and to understand the function of cavity walls. An explanation of cavity insulation must be given and its purpose.
A floor area 3 m x 2.5 m with sufficient working space and spot board, bricks and blocks within easy reach should be provided.

The assessor is to instruct on block building on a half brick wall.
The candidate is to be instructed on block cutting, but staff to supply suitable cut blocks for assignment.
The candidate should understand the importance of the first course of block being plumb as well as correct for cavity measurement (275 mm).
Coring holes could be built in sand or with open cross joints (at assessor discretion) to facilitate their later removal.

Candidates can use any of the tools, equipment and materials provided.

The following instructions should be read to the candidate who should be allowed to ask questions for clarification:

Candidates are required to:

Set out and build front leaf 2 course high
Carefully dry bond back leaf of blocks
Build end blocks first to measurement (275 mm)
Line in and build intermediate blocks
Position vertical cavity closers
Place horizontal D.P.C's. These can be bedded if necessary
Build further 2 courses
Remove 2 coring hole bricks on first course
Build second course of blocks on internal leaf
Place the ties in position in accordance with drawing

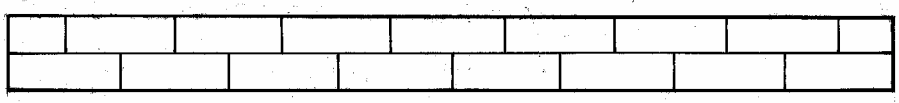
I have read and understand what is required for this unit

Candidate's Signature…… Date……

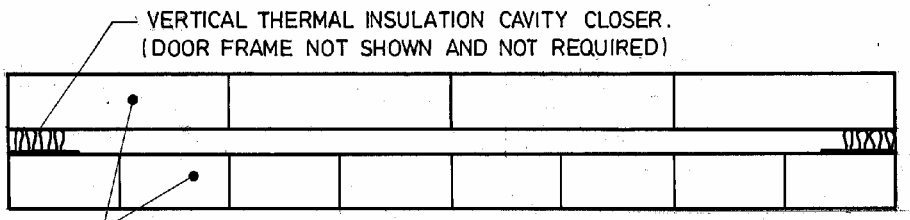
Assessor's Signature…… Date……

* SAND BUILT OR OPEN CROSS JOINT

STAGE 1
(Plan View)

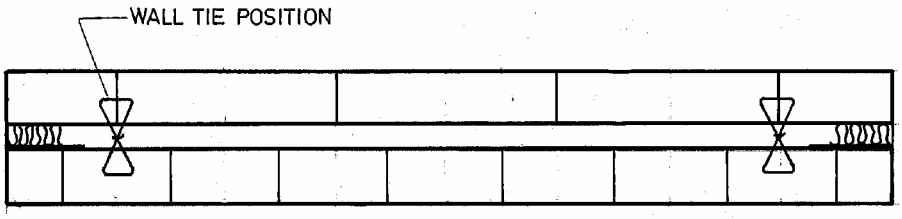


STAGE 2
(Front Elevation)



STAGE 3
(Plan View)

COURSE 3 BRICKWORK
COURSE 1 BLOCKWORK



STAGE 4
(Plan View)

COURSE 4 BRICKWORK
COURSE 2 BLOCKWORK

FIG. 3

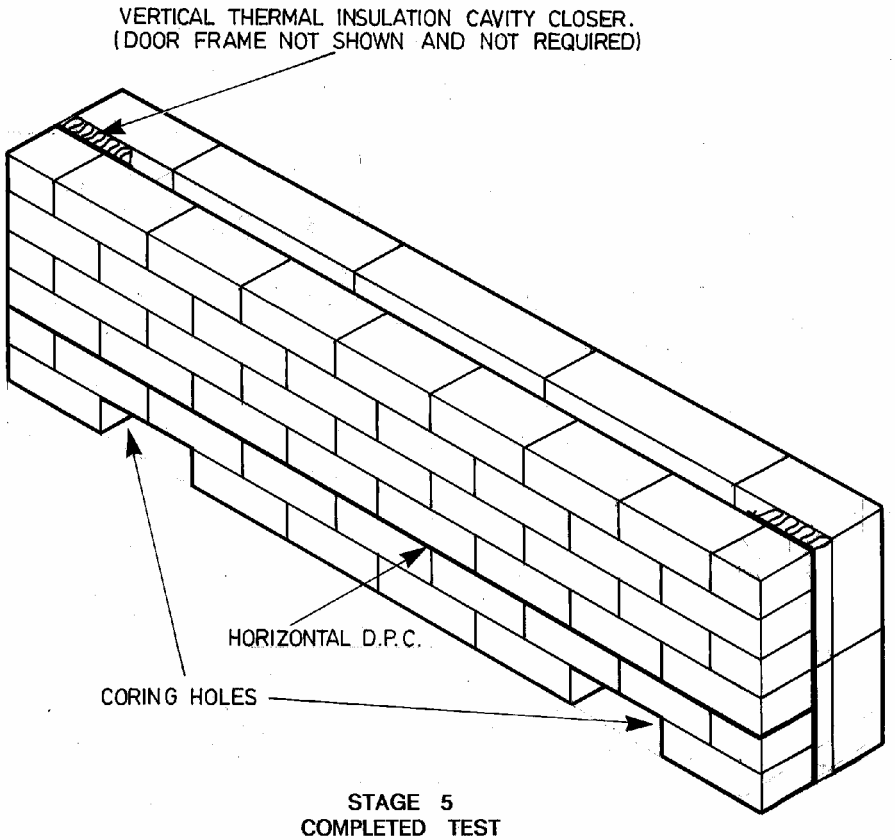

VERTICAL THERMAL INSULATION CAVITY CLOSER.
(DOOR FRAME NOT SHOWN AND NOT REQUIRED)
HORIZONTAL D.P.C.
CORING HOLES
STAGE 5
COMPLETED TEST

FIG. 4

6217-08 Basic Construction Skills – Multi-Crafts

Unit 093 Assignment record

Marking: To pass all boxes in the first two columns must be ticked as correct

	C	A	A2
Time allowed on assignment piece 4 hrs	☐	☐	☐
Mortar bedding	☐	☐	☐
Brick jointing	☐	☐	☐
Block jointing	☐	☐	☐
Brick handling	☐	☐	☐
Block handling	☐	☐	☐
Bricks to gauge height	☐	☐	☐
Block course level with brickwork	☐	☐	☐
Plumbing	☐	☐	☐
Levelling	☐	☐	☐
Alignment (building to line)	☐	☐	☐
Face plane	☐	☐	☐
Cavity wall width (275 mm)	☐	☐	☐
Vertical cavity closers positioned correctly	☐	☐	☐
D.P.C's positioned correctly	☐	☐	☐
Wall tie positioning	☐	☐	☐
Cleanliness of cavity. No mortar on ties	☐	☐	☐
Work area clean	☐	☐	☐
General test appearance with few smudges	☐	☐	☐
Tool maintenance	☐	☐	☐
Safe working and use of PPE.	☐	☐	☐

Candidate's Signature…… Date……

Assessor's Signature…… Date……

Internal Verifier's Signature…… Date……

Number of Attempts on Assignment……

Assessors Comments:

Unit 094 Applying rendering and imitating ashlar stonework

Learning outcomes

Practical activities

The candidate will be able to:

1. Interpret drawings, specifications, schedules related to solid plastering
2. Render wall surfaces and imitate an ashlar stonework finish
3. Measure, mark out, install rendering, position, secure at height
4. Work at height
5. Safely use personal protective equipment (PPE)
6. Safely use and store tools and equipment
7. Protect the work and its surrounding area from damage
8. Dispose of waste
9. Minimise damage and maintain a clean work space

Underpinning knowledge

The candidate will be able to:

1. State the health and safety implications related solid plastering (Health & Safety, COSHH, PPE, PUWER, Manual Handling, working at height, Risk Assessment, Fire Extinguishers)
2. State how emergencies are responded to
3. Name the hazards associated to resources and methods of work
4. State the accident recording procedures
5. State why and when personal protective equipment (PPE) should be used
6. State how to protect work from damage and the purpose of protection
7. State why the disposal of waste should be carried out safely
8. State how the maintenance of tools and equipment is carried out
9. State the importance of teamwork when working with other people

Unit 094 Assignment

Candidate's instructions

Apply rendering. Imitate ashlar stonework

Assignment instructions

Time allowed: 3 hours

The objective of this unit is to assess the ability of the candidate to apply a plain rendering, finish with a wood float and block out with jointer in imitation of ashlar stonework. This assignment is designed to allow candidates to use a hawk, plastering trowel, handfloat, spirit level, straight edge, measuring equipment and jointer plus gauge staff and also to interpret instructions.

The assignment should be carried out using the following materials and equipment:
3 m x 2 m area rendered approximately 3 – 10 mm thick with 1:1:6 OPC, lime, sand mix.

The surface should be fair faced and evenly keyed with a wire scratcher and allowed to dry to give a reasonable suction.
Sufficient OPC, lime and fine washed sand mortar gauged 1:1:5 or 6.

An assistant is allowed to help with holding the straight edge for horizontal jointing.

It is very important that top horizontal line is level and right hand joint is plumb.

The following instructions should be read to the candidate who should be allowed to ask questions for clarification:

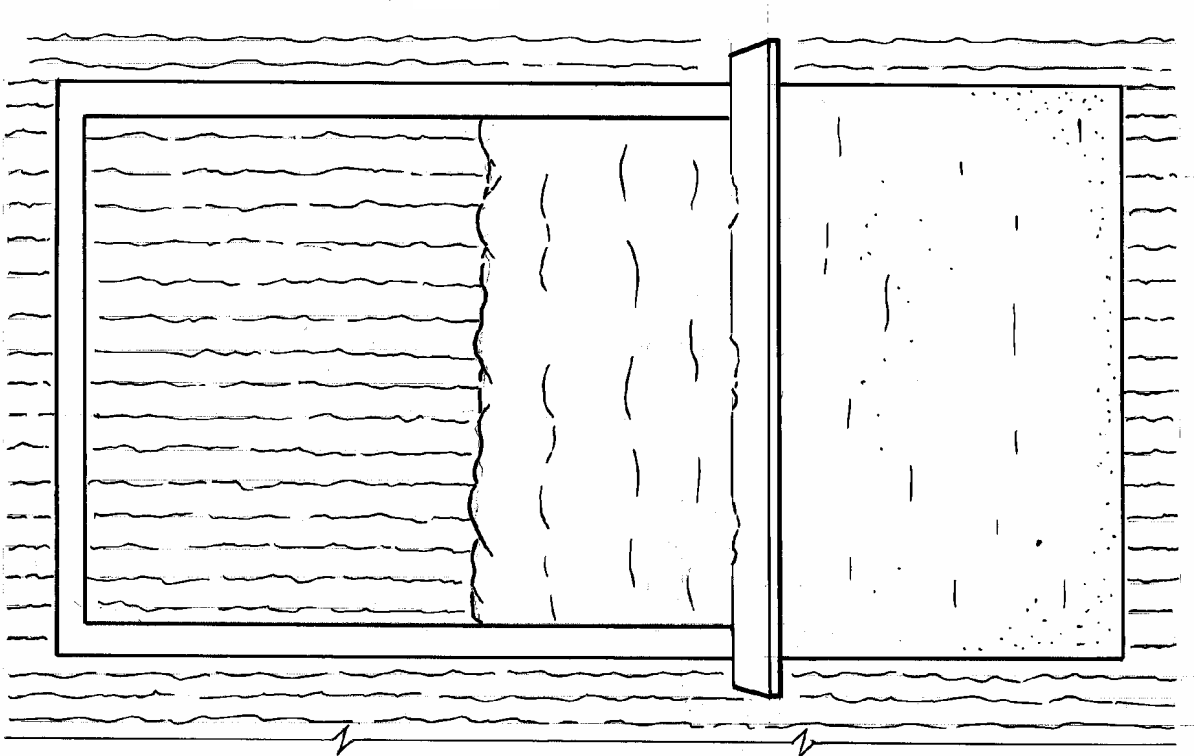
Screeds to be approximately 9 – 10 mm thick and between 75 mm and 100 mm wide
Screeds to be vertical and horizontal
Floating coat to be applied and straightened to the face of the screeds
Hand floating to be finished with a fine sand faced texture free from gauls and scour marks
Ashlar jointing to be blocked out with 8 mm jointer as soon as possible after hand floating
Blocks to be 750 mm long x 250 mm deep
First horizontal line to be levelled and marked with jointer and straight edge 2 m above grounds. The groove should be smooth and about 3 mm deep
At extreme right of test piece mark a vertical line with jointer and straight edge from top horizontal line to ground
Mark the remainder of the horizontal joints on the right and left hand vertical edge of wall surface from gauge staff supplied. Line these in with jointer and straight edge.
The vertical joints can now be marked with gauge staff across the top and bottom lines and the alternate joints lined in as before with straight edge and jointer
Using a small float, repair any blemishes caused by straight edge or jointer

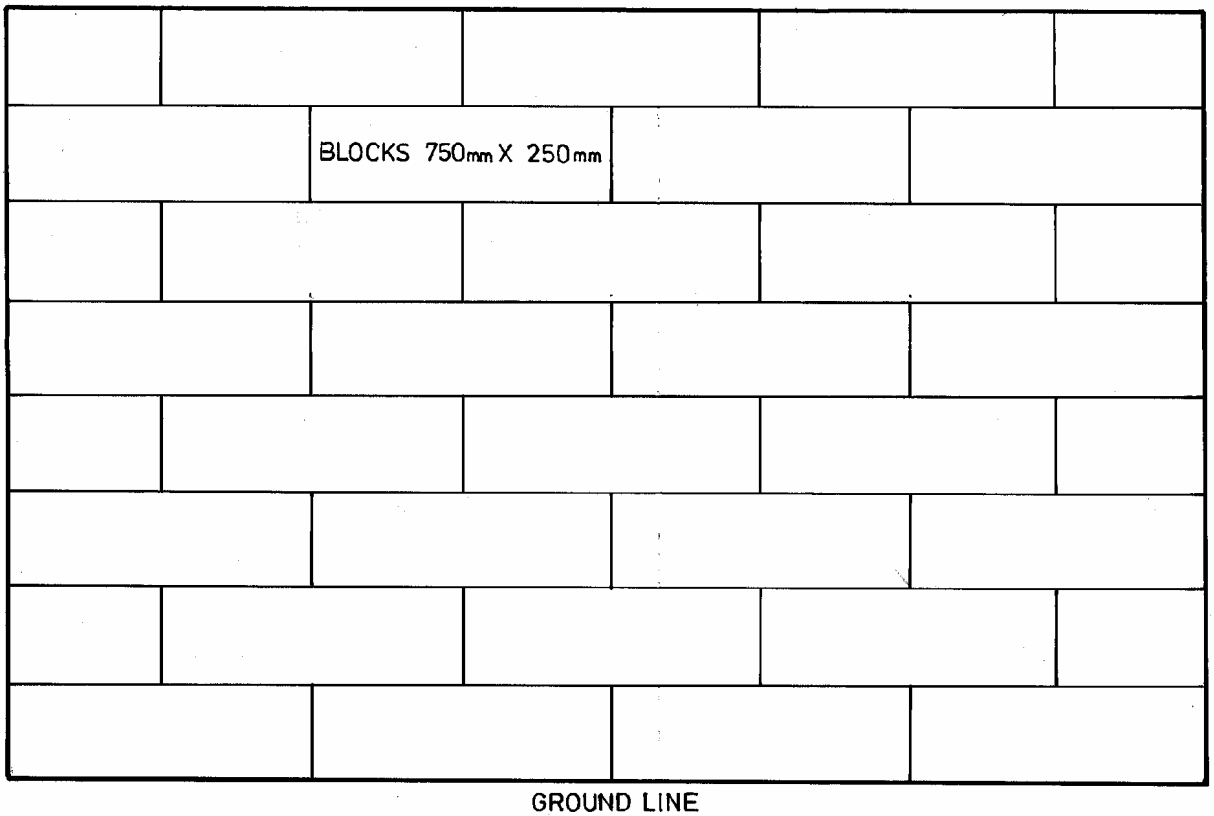
I have read and understand what is required for this unit

Candidate's Signature…… Date……

Assessor's Signature…… Date……

TEST No. 1





COMPLETED TEST

FIG. 1

6217-08 Basic Construction Skills – Multi-Crafts

Unit 094 Assignment record

Marking: To pass all boxes in first two columns must be ticked as correct

	C	A	A2
Time allowed on assignment piece 3 hrs	☐	☐	☐
Thickness of rendering + or – 5 mm	☐	☐	☐
Flatness of wall. Maximum deviation + or – 5 mm	☐	☐	☐
Fineness of handfloat finish. Not more than 2 ½ % sand scratch marks, float scour lines, gauls or misses	☐	☐	☐
Depth of joints + or – 2 mm deviation	☐	☐	☐
Levelling of joints + or – 5 mm deviation	☐	☐	☐
Plumbing of joints + or – 5 mm deviation	☐	☐	☐
Repairs	☐	☐	☐
Safe working	☐	☐	☐
Tool maintenance	☐	☐	☐
Work area clean	☐	☐	☐

Candidate's Signature…… Date……

Assessor's Signature…… Date……

Internal Verifier's Signature…… Date……

Number of Attempts on Assignment.....

Assessors Comments:

Unit 095 Applying a floating coat to a wall with door opening

Learning outcomes

Practical activities

The candidate will be able to:

1. Interpret drawing, specifications, schedules related to solid plastering
2. Render wall surfaces
3. Form angles around a door opening
4. Install angle beads
5. Measure, mark out, position, secure the work
6. Work at height
7. Safely use personal protective equipment (PPE)
8. Safely use and store tools and equipment
9. Dispose of waste

Underpinning knowledge

The candidate will be able to:

1. State the health and safety implications related to solid plastering (Health & Safety, COSHH, PPE, working at height, Risk Assessment, Hazards, Site procedures, Manual Handling)
2. State how emergencies are responded to
3. Describe hazards associated with resources and methods of work
4. State the accident recording procedures
5. State the organisational security procedures for tools, equipment and personal belongings
6. State why and when personal protective equipment (PPE) should be used
7. State how to protect work from damage and the purpose of protection
8. State why the disposal of waste should be carried out safely
9. State how the maintenance of tools and equipment is carried out
10. State the importance of teamwork

Unit 095 Assignment

Candidate's instructions

Applying a floating coat to a wall with door opening

Assignment instructions

Time allowed: 2 hours

The objective of this unit is to assess the ability of the candidate to apply a floating coat to a wall containing a door opening and work to include two reveals and a soffit. This assignment is designed to allow candidates to fix rules accurately, to use a set square and a floating gauge.

As an alternative to using rules on the frame reveals, the candidate can be allowed to fix (temporarily) suitable angle beads, which must be straightened in and parallel to the door frame jambs.

The assignment should be carried out using the following materials and equipment:
Area of blockwork 2.3 m high x 1.8 m long with a standard size door frame set in with 100 mm reveals.
Cement gauged course stuff gauged 1:1:6 by volume. Alternatively, the correct grade of premixed lightweight gypsum undercoat plaster.

A suitable HOP UP must be available and used when working around the frame head. Care must be taken!
Assistance is allowed for holding the rules when floating reveals.
The surrounding area must be kept clean.

The following instructions should be read to the candidate who should be allowed to ask questions for clarification:

Candidates are required to:

Brush wall and lightly dampen
Fix rules on reveals allowing approximately 11 mm floating thickness
Rules can be nailed or fixed with cross stays as in diagram
Both rules must have same margin from door frame and be parallel with jambs
Apply floating coat, straighten and devil float the surface
Transfer and hold the rule to the floated surface, square it at the top from door frame, allowing a floating thickness of 11 mm approximately, having first decided on a suitable margin
This margin to be kept all around the frame
Plumb the rule by sighting through to the door frame
Cut floating gauge to required margin
Use gauge to rule in applied floating
Repeat to other reveal and soffit
Clean tools and door frame

I have read and understand what is required for this unit

Candidate's Signature…… Date……

Assessor's Signature…… Date……

FLOATING MAIN SURFACE

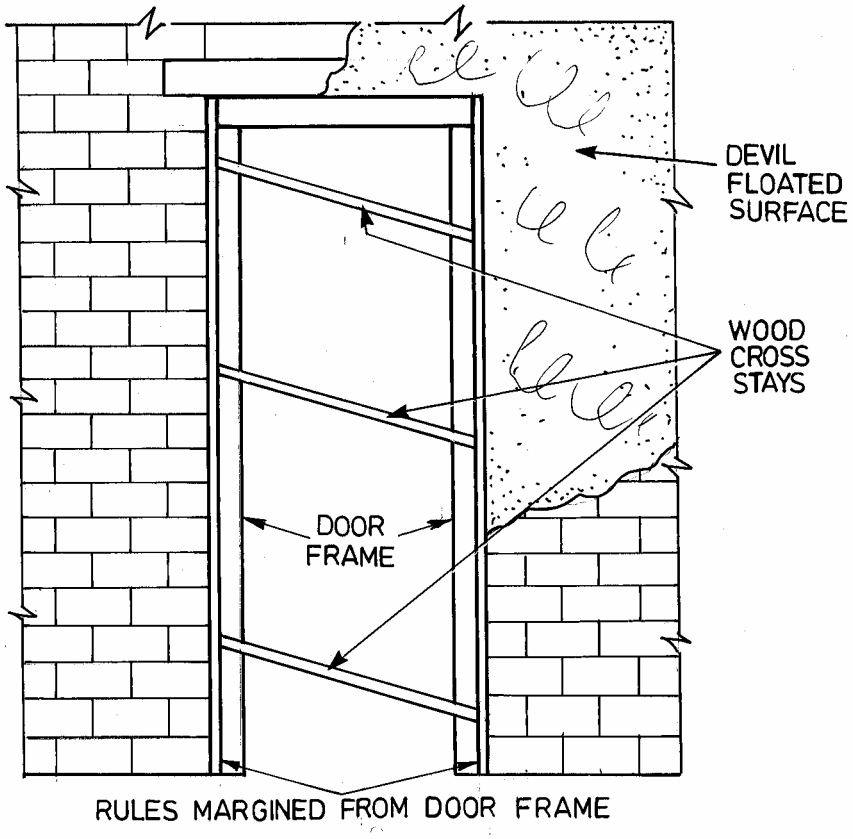


FIG. 2

6217-08 Basic Construction Skills – Multi-Crafts

Unit 095 Assignment record

Marking: To pass all boxes in the first two columns must be ticked as correct

	C	A	A2
Time allowed on assignment piece 2 hrs	☐	☐	☐
Preparation	☐	☐	☐
Thickness of floating + or – 1 mm	☐	☐	☐
Width of reveals (checked at base, middle and top) not more than + or – 3 mm deviation	☐	☐	☐
Straightness of angles + or – 4 mm deviation	☐	☐	☐
Flatness of surface floating (due to the narrow widths of floating area) a maximum deviation of + or – 3 mm will be tolerated	☐	☐	☐
Squareness of reveals and soffit (checked at base, middle and top) maximum deviation from right angle + or – 3 mm	☐	☐	☐
Reveals plumb to within 4 mm	☐	☐	☐
Margin on door frame maximum deviation + or – 2 mm	☐	☐	☐
Appearance. Not more than 5% misses and holes not consolidated with the devil float	☐	☐	☐
Cleanliness	☐	☐	☐
Safe working and use of hop up	☐	☐	☐

Candidate's Signature…… Date……

Assessor's Signature…… Date……

Internal Verifier's Signature…… Date……

Number of Attempts on Assignment.....

Assessors Comments:

Unit 096 Straighten and float ceiling

Learning outcomes

Practical activities

The candidate will be able to:

1. Interpret drawing, specifications, schedules related to finishing a ceiling
2. Straighten and float a ceiling
3. Use dots and screed method
4. Work to a given datum line
5. Measure, mark out, position, secure the work
6. Work at height
7. Safely use personal protective equipment (PPE)
8. Safely use and store tools and equipment
9. Dispose of waste

Underpinning knowledge

The candidate will be able to:

1. State the health and safety implications related to solid plastering (Health & Safety, COSHH, PPE, working at height, Risk Assessment, Hazards, Site procedures, Manual handling)
2. State how emergencies are responded to
3. Describe the hazards associated with resources and methods of work
4. State the accident recording procedures
5. State why and when personal protective equipment (PPE) should be used
6. State how the maintenance of tools and equipment is carried out
7. State why the disposal of waste should be carried out safely
8. State how the maintenance of tools and equipment is carried out
9. State the importance of teamwork

Unit 096 Assignment

Candidate's instructions

Straighten and float ceiling using dot and screed method

Assignment instructions

Time allowed: 3 hours

The objective of this unit is to assess the ability of the candidate to straighten and float a ceiling using the dot and screed method, and to test the candidates' skills in working over head, keeping as clean as possible and also to work to a given datum line.

The assignment should be carried out using the following materials and equipment:
3.3 m x 2.1 m Gypsum lath ceiling, lightweight bonding plaster backing coat. 90 mm wide jute scrim.

Tools and equipment needed for assignments should be available and in position before assignment commences.

The scaffold should be clean and dry.

The following instructions should be read to the candidate who should be allowed to ask questions for clarification:

Candidates are required to:

Fill the recesses between adjoining edges with bonding plaster
Cut scrim to length for angles
Spread a 50 mm band of plaster on wall and ceiling at the angles
Whilst plaster is still soft, press scrim into angles half on ceiling and half on wall. The scrim must be completely embedded in the plaster without dry canvas showing Snap datum line along walls 225 mm from ceiling
Select a point on the ceiling 150 mm in from the wall, which is the lowest point on the ceiling
At this point bed a dot about 8 mm thick and with square bearing on floated wall, tap the dot into place
Mark position of the first dot onto the square to coincide with the datum line on the wall
Bed further dots on the ceiling and adjust each one until the line on the square is level with datum line
Place intermediate dots, using line across opposite perimeter dots
Form screeds approximately 75 mm broad between dots
Render and rule in ceiling in bays thus formed, using straight edge and darby
Use devil float to consolidate and leave ceiling ready for a finishing coat

I have read and understand what is required for this unit

Candidate's Signature…… Date……

Assessor's Signature…… Date……

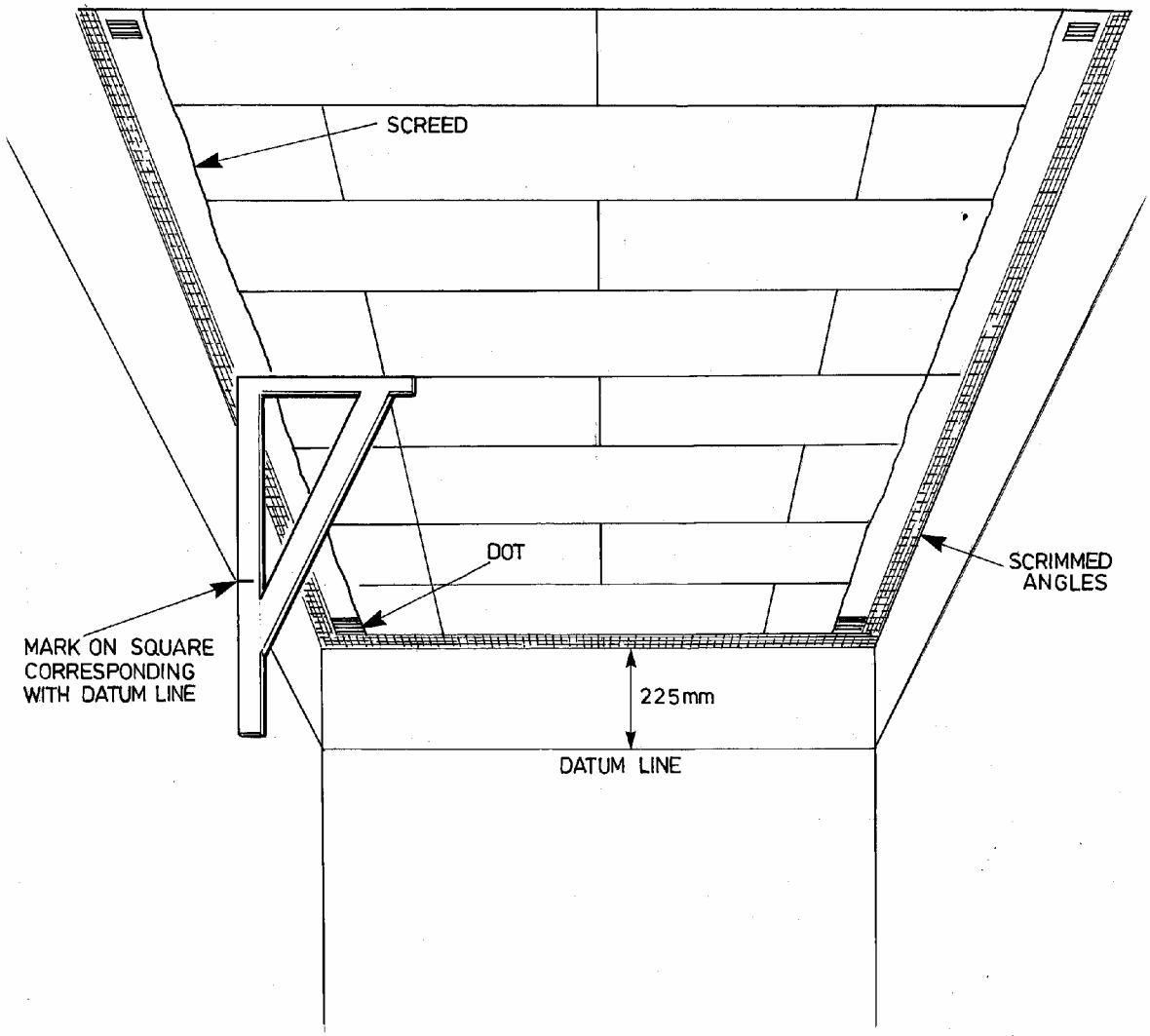

SCREED
DOT
SCRIMMED ANGLES
MARK ON SQUARE CORRESPONDING WITH DATUM LINE
225mm
DATUM LINE

FIG. 4

6217-08 Basic Construction Skills – Multi-Crafts

Unit 096 Assignment record

Marking: To pass all boxes in the first two columns must be ticked as correct

	C	A	A2
Time allowed on assignment piece 3 hrs	☐	☐	☐
Scrim cut accurately. Not more than 25 mm short of required length	☐	☐	☐
Scrim well flattened and covered	☐	☐	☐
All joints filled in	☐	☐	☐
Datum line parallel with ceiling	☐	☐	☐
Depth of first dot + or – 2 mm deviation	☐	☐	☐
Dots level	☐	☐	☐
Dots equidistant from wall	☐	☐	☐
Breadth of screed	☐	☐	☐
Angle straightness + or – 5 mm maximum deviation.	☐	☐	☐
Checked with 1.8 m straight edge	☐	☐	☐
Flatness of ceiling + or – 5 mm maximum deviation checked with 1.8 m straight edge	☐	☐	☐
Floated ceiling. Not more than 2 ½ % misses and holes	☐	☐	☐
Tool maintenance	☐	☐	☐
Cleanliness of candidate	☐	☐	☐
Cleanliness of work area	☐	☐	☐
Safe working	☐	☐	☐

Candidate's Signature…… Date……

Assessor's Signature…… Date……

Internal Verifier's Signature…… Date……

Number of Attempts on Assignment.....

Assessors Comments:

Unit 097 Applying a finishing and setting coat

Learning outcomes

Practical activities

The candidate will be able to:

1. Interpret drawing, specifications, schedules related to finishing and setting coat to reveals
2. Fit and fix rules around a door opening
3. Form angles around a door opening
4. Install angle beads
5. Measure, mark out, position, secure the work
6. Work at height
7. Safely use personal protective equipment
8. Safely use and store tools and equipment
9. Dispose of waste

Underpinning knowledge

The candidate will be able to:

1. State the health and safety implications related to solid plastering (Health & Safety, COSHH, PPE, working at height, Risk Assessment, Hazards, Site Procedures, Manual Handling)
2. State how emergencies are responded to
3. Describe the hazards associated with resources and methods of work
4. State the accident recording procedures
5. State why and when personal protective equipment (PPE) should be used
6. State how to protect work from damage and the purpose of protection
7. State why the disposal of waste should be carried out safely
8. State how the maintenance of tools and equipment is carried out
9. State the importance of teamwork

Unit 097 Assignment

Candidate's instructions

Applying and finishing a setting coat

Assignment instructions

The objective of this unit is to assess the ability of the candidate to apply and finish a setting coat to the surface of the floated reveals and soffit in Unit 095. This assignment is designed to give the candidate further practice in fitting and fixing rules and finishing to them. If the candidate was allowed to use angle beads then the setting coat must be finished in accordance with trade practice, eg reveals parallel and jamb and bead corners in line.

The assignment should be carried out using the following materials and equipment:
wall 2.3 m x 1.8 m as floated in Unit 095. If cement gauged coarse stuff has been used in Unit 095, the floating coat must be allowed to dry to provide adequate suction.
On 1:1:6 backing a suitable grade of retarded demi-hydrate plaster.
Lightweight finish plaster on lightweight backings.

Care must be taken when working from the hop up.

DO NOT over trowel. A smooth finish is preferred to a hard polished surface.

The following instructions should be read to the candidate who should be allowed to ask questions for clarification:

The candidate is required to:

Fix rule on main floated surface allowing 2 to 3 mm. Coat on reveals and soffit using set square.
Apply setting coat, use a gauge to keep reveal square and lay down with handfloat and finish with trowel
When material has set take off rules
Apply setting coat to main wall working to surface left by rules
Angles to be wiped out with feathered edge rule, slacks filled and angles floated straight before trowelling
Finish with plastering trowel lubricating the setting surface with a little water
Take the sharp edge off the arises by rubbing over the back of wet trowel
Clean surrounding area.

I have read and understand what is required for this unit

Candidate's Signature…… Date……

Assessor's Signature…… Date……

FIXING RULES FOR FINISHING REVEALS

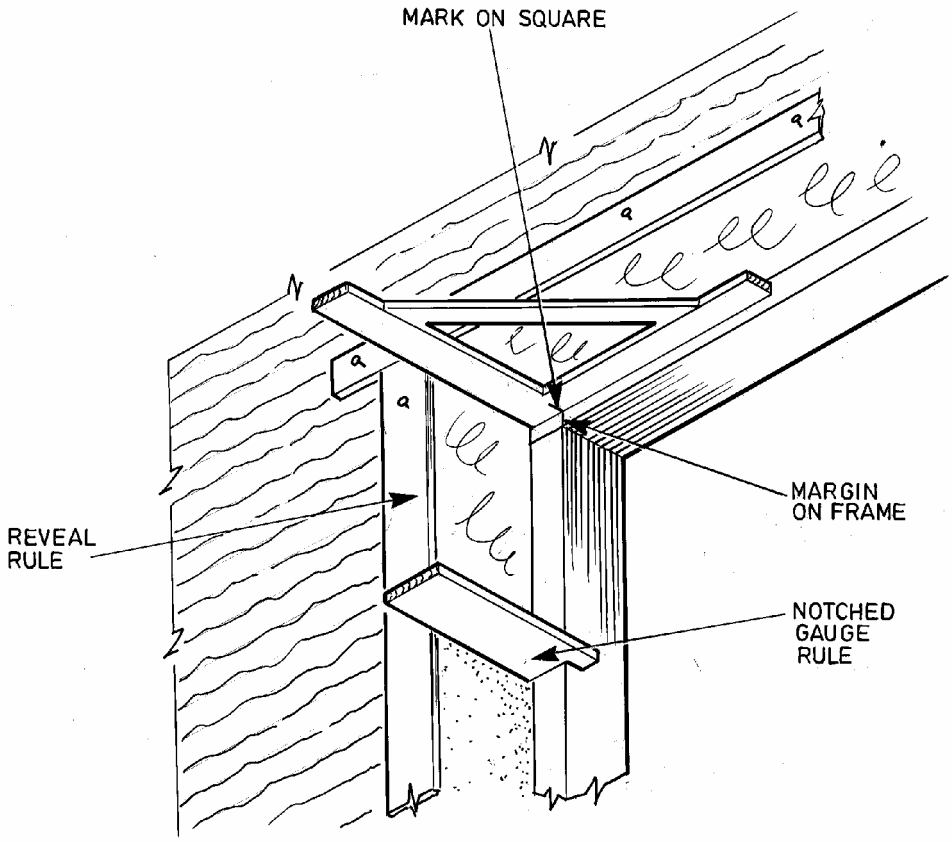


FIG. 3

6217-08 Basic Construction Skills – Multi-Crafts

Unit 097 Assignment record

Marking: To pass all boxes in the first two columns must be ticked as correct

	C	A	A2
Main wall plumb to within + or – 4 mm	☐	☐	☐
Angles to be straightened within + or – 4 mm, checked with 1.8 m rule	☐	☐	☐
Squareness of reveals (checked at base, middle and top) maximum deviation from right angle + or – 3 mm	☐	☐	☐
Flatness of wall. Maximum deviation + or – 3 mm	☐	☐	☐
External angle of reveal, maximum deviation + or – 4 mm from plumb	☐	☐	☐
Margins on door frame (checked at base, middle and top) not more than + or – 4 mm deviation from required margin width	☐	☐	☐
Angles between reveals and soffit squared and clean cut	☐	☐	☐
Trowelled surface smooth with collectively not more than 2 ½ % gauls, fat marks,trowel marks or bubbling	☐	☐	☐
Clean tools and frame	☐	☐	☐
Surrounding area clean	☐	☐	☐
Safe working	☐	☐	☐

Candidate's Signature…… Date……

Assessor's Signature…… Date……

Internal Verifier's Signature…… Date……

Number of Attempts on Assignment.....

Assessors Comments:

Unit 098 Applying a finishing and setting coat to a floated ceiling

Learning outcomes

Practical activities

The candidate will be able to:

1. Interpret drawing, specifications, schedules related to finishing a ceiling
2. Finish the setting coat to a floated ceiling
3. Use bonding plaster to finish the surface
4. Work to special instructions
5. Measure, mark out, position, secure the work
6. Work at height
7. Safely use personal protective equipment (PPE)
8. Safely use and store tools and equipment
9. Dispose of waste

Underpinning knowledge

The candidate will be able to:

1. State the health and safety implications related to solid plastering (Health & Safety, COSHH, PPE, working at height, Risk Assessment, Hazards, Site procedures, Manual handling)
2. State how emergencies are responded to
3. Describe the hazards associated with resources and methods of work
4. State the accident recording procedures
5. State why and when personal protective equipment (PPE) should be used
6. State how to protect work from damage and the purpose of protection
7. State why the disposal of waste should be carried out safely
8. State how the maintenance of tools and equipment is carried out
9. State the importance of teamwork

Unit 098 Assignment

Candidate's instructions

Applying and finishing the setting coat to a floated ceiling

Assignment instructions

Time allowed: 2 hours 30 minutes

The objective of this unit is to assess the ability of the candidate to apply and finish the setting coat to a floated ceiling, using a fine plaster, and to test their skills in using a feather edge to keep angles straight.

The assignment should be carried out using the following materials and equipment:
3.3 m x 2.1 m ceiling floated with bonding plaster. The surface should not be allowed to dry out before setting.

Lightweight premixed finishing plaster.

Scaffold must be safe.

Hawk and trowel, feather edge, bucket of water and brush should be available before commencing.

Emphasis is to be made on angle straightening.

The following instructions should be read to the candidate who should be allowed to ask questions for clarification:

Candidates are required to:

Working from an angle out, spread a thin coat of plaster evenly over ceiling. Work from left to right. When you have completely covered the ceiling with first coat turn and apply another thin coat
Total depth should be approximately 2 mm
Wipe out ceiling angles with feather edge whilst plaster is still soft
Fill in any slacks in angles
Using a thinner mix of finish, trowel in angles
Trowel ceiling, filling in any little gauls (blemishes), which may have been overlooked
As the finish sets, trowel to a good finish using as little water as possible

I have read and understand what is required for this unit

Candidate's Signature…… Date……

Assessor's Signature…… Date……

6217-08 Basic Construction Skills – Multi-Crafts

Unit 098 Assignment record

Marking: To pass all boxes in the first two columns must be ticked as correct

	C	A	A2
Time allowed: 2 hrs 30 minutes	☐	☐	☐
Complete coverage with first coat	☐	☐	☐
Complete coverage of first coat by second coat	☐	☐	☐
Flatness of ceiling 5 mm maximum deviation checked with 1.8 m straight edge	☐	☐	☐
Angle straightened 5 mm maximum deviation checked with 1.8 m straight edge	☐	☐	☐
Final trowelling, smooth with not more than 5% gauls, fat marks, trowel marks or bubbling			
Tool maintenance	☐	☐	☐
Cleanliness of candidate	☐	☐	☐
Cleanliness of work area	☐	☐	☐
Safe working	☐	☐	☐

Candidate's Signature…… Date……

Assessor's Signature…… Date……

Internal Verifier's Signature…… Date……

Number of Attempts on Assignment……

Assessors Comments:

Further information

Further information regarding centre/scheme approval or any aspect of assessment of our qualifications should be referred to the relevant City & Guilds regional/national office:

Region	Telephone	Facsimile
City & Guilds Scotland	0131 226 1556	0131 226 1558
City & Guilds North East	0191 402 5100	0191 402 5101
City & Guilds North West	01925 897900	01925 897925
City & Guilds Yorkshire	0113 380 8500	0113 380 8525
City & Guilds Wales	02920 748600	02920 748625
City & Guilds West Midlands	0121 359 6667	0121 359 7734
City & Guilds East Midlands	01773 842900	01773 833030
City & Guilds South West	01823 722200	01823 444231
City & Guilds London and South East	020 7294 2820	020 7294 2419
City & Guilds Southern	020 7294 2724	020 7294 2412
City & Guilds East	01480 308300	01480 308325
City & Guilds Northern Ireland/ Ireland	028 9032 5689	028 9031 2917
City & Guilds Customer Relations Unit	020 7294 2800	020 7294 2400

Website www.cityandguilds.com

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