

BUILDING

FUTURES



CONSTRUCTION SKILLS

QUALIFICATION OVERVIEW

- These qualifications provide the ideal introduction to the construction industry and cover essential skills in the following construction trades:
 - Bricklaying
 - carpentry and joinery
 - plastering
 - painting and decorating
 - construction operations
 - wall and floor tiling
 - electrical
 - plumbing

These qualifications are suitable for 14-19 year olds, or for individuals of any age wanting an introduction to the variety of construction trades, to gain skills in those areas and perhaps to decide which trade is the right one to pursue a career in. No previous knowledge or experience is required.

- An initial assessment of each candidate should be made before the start of their programme to identify:
 - if the candidate has any specific training needs
 - support and guidance they may need when working towards their qualifications
 - any units they have already completed, or credit they have accumulated which is relevant to the qualifications,
 - the appropriate type and level of qualification
- We recommend that centres provide an induction programme so the candidate fully understands the requirements of the qualification, their responsibilities as a candidate, and the responsibilities of the centre. This information can be recorded on a learning contract.

6219 Multi-Trades Entry (E3) and Level 1 Overview

Qualification Number	Level	Credits	Title	QAN
6219-01	E3	9	<u>Award in Construction Skills</u>	601/0405/3
6219-02	E3	15	Certificate in Construction Skills	601/0283/4
6219-03	E3	27	Extended Certificate in Construction	601/0512/4
6219-04	1	9	<u>Award in Construction Skills</u>	601/0324/3
6219-05	1	15	Certificate in Construction Skills	601/0330/9
6219-06	1	27	Extended Certificate in Construction	601/0513/6
6219-07	1	37	<u>Diploma in Construction Skills</u>	601/0329/2

6219 Construction Skills Trade Specific Pathways

Level 1 Award and Certificate Overview

Qualification Number	Level	Credits	Title	QAN
6219-08	1	9	Award in Bricklaying)	601/0310/3
	1	9	Award in Carpentry and Joinery	601/0088/6
	1	9	Award in Construction Operations	601/0236/6
	1	9	Award in Electrical	601/0406/5
	1	9	Award in Painting and Decorating	601/0514/8
	1	9	Award in Plastering	601/0314/0
	1	9	Award in Plumbing	601/0526/4
	1	9	Award in Wall and Floor Tiling	601/0286/X
6219-08	1	15	<u>Certificate in Bricklaying</u>	601/0523/9
	1	15	<u>Certificate in Carpentry and Joinery</u>	601/0284/6
	1	14	<u>Certificate in Construction Operations</u>	601/0313/9
	1	15	<u>Certificate in Electrical</u>	601/0528/8
	1	15	<u>Certificate in Painting and Decorating</u>	601/0522/7
	1	15	<u>Certificate in Plastering</u>	601/0521/5
	1	15	<u>Certificate in Plumbing</u>	601/0527/6
	1	14	<u>Certificate in Wall and Floor Tiling</u>	601/0287/1

Entry and Level 1 Unit Titles

C&G UNIT LEVEL	UNIT TITLE	CREDIT VALUE	UNIT LEVEL
001	Constructing halving joints	3	E3
002	Constructing housing joints	3	E3
003	Painting techniques	4	E3
004	Tiling a plain wall	4	E3
005	Constructing half brick walling	3	E3
006	Laying paving using slabs	3	E3
007	Setting out and laying gravel paths	3	E3
008	Preparing background surfaces and applying render coats	3	E3
009	Removing and refitting water-filled radiators	2	E3
010	Working with non-manipulative fittings	2	E3
011	Connecting flex to common apparatus	1	E3
101	Introduction to health and safety in construction	3	1
102	Introduction to the construction industry	3	1
103	Constructing through mortice and tenon joints	4	1
104	Constructing angled halving joints	4	1
105	Constructing bridle joints	4	1

Entry and Level 1 Unit Titles

C&G UNIT LEVEL	UNIT TITLE	CREDIT VALUE	UNIT LEVEL
106	Constructing haunched mortice and tenon joints	4	1
107	Constructing stub mortice and tenon joints	4	1
108	Fixing architraves and skirtings	4	1
109	Constructing and fixing hatch linings	4	1
110	Fitting locks and latches	4	1
111	Painting and wallpapering	4	1
112	Applying decorative effects	4	1
113	Applying wallpaper to internal and external angles and painting skirting	4	1
114	Painting a panel door	3	1
115	Cutting and fixing decorative panels	3	1
116	Cutting and fixing tiles to wet areas	4	1
117	Tiling floors with a border	3	1
118	Constructing block walling	3	1
119	Constructing half brick return corners	4	1
120	Constructing cavity walls in brickwork and block work	4	1
121	Constructing one brick walling	4	1

Entry and Level 1 Unit Titles

C&G UNIT LEVEL	UNIT TITLE	CREDIT VALUE	UNIT LEVEL
122	Laying block paving	4	1
123	Laying underground domestic drainage	4	1
124	Mixing and using concrete	3	1
125	Preparing background surfaces and applying finishing coats	4	1
126	Mixing materials and applying floating coats	4	1
127	Producing components from moulds	4	1
128	Bending and jointing copper pipes	3	1
129	Connecting pipes and fittings to appliances	3	1
130	Constructing combined frames	4	1
131	Installing rain water goods	3	1
132	Working with low carbon steel pipes and fittings	4	1
133	Assembling 13amp switched sockets wired in ring final circuit	4	1
134	Constructing PVC wiring systems	4	1
135	Cutting, bending, jointing and threading conduit	4	1
136	Installing one way lighting circuits	3	1
137	Installing two way lighting circuits	4	1

Assessment



This qualification is assessed in a number of ways:

- ☐ **knowledge and understanding tasks**

A realistic timeframe should be set for completion of the task and marked internally.

- ☐ **internally marked questions**

Taken under supervised conditions as closed-book tests, unless specified otherwise. assessors may prefer to ask the questions orally and record individual candidates' responses. Unless specified, there is no time limit set to complete the questions, as a guide you may adopt 1-1½ minutes per mark.

- ☐ **practical tasks**

Most practical tasks will be assessed by observation of the candidate carrying out the tasks and/or an assessment of the final outcome/product. Candidates may familiarise themselves with the marking criteria prior to the assessment, but are **not** permitted to use any criteria/checklist to work from when completing the practical task.

Assignment 120 Constructing cavity walls in brickwork and block work

Task A Construct a cavity wall

You must build a brick and lightweight block cavity wall between 2 profiles to the specifications in the diagrams labelled Fig.1 and Fig. 2.

This should include the provision of a damp proof course (DPC) and wall ties and you should finish the brickwork with a half round joint as the work proceeds

You may have a copy of the diagrams during the practical assessment. Your assessor will support you with this.

You have 3 hours to complete this task.

This task can be achieved at pass, merit or distinction.

Assignment 120 Constructing cavity walls in brickwork and block work

Task A Construct a cavity wall

Fig 1

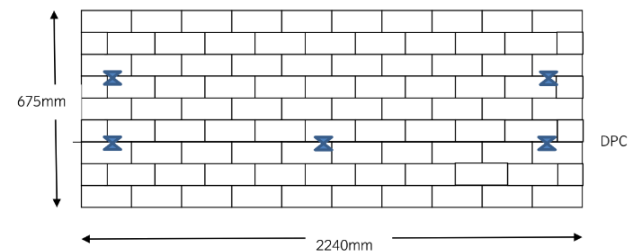



Fig 2



Plan view

 Shows position of wall ties

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Assignment 120 Constructing cavity walls in brickwork and block work



Marking criteria Task A

Candidate name _____

Assessor name _____

Centre name _____

To pass the assignment, candidates are required to complete each task to the minimum standard indicated below. All criteria for each grade must be achieved to claim that grade.

The candidate has:	Pass	Merit	Distinction
identified the personal protective equipment (PPE) appropriate to building a cavity wall	<input type="checkbox"/>		
identified the materials required to build a cavity wall	<input type="checkbox"/>		
identified the tools and equipment required to build a cavity wall	<input type="checkbox"/>		
used personal protective equipment (PPE) appropriately	<input type="checkbox"/>		
selected the tools, equipment and materials required to build a cavity wall	<input type="checkbox"/>		
set up profiles and dry bond the brickwork and block work	<input type="checkbox"/>		
set up a mortar board and stacked the required number of bricks and blocks to complete the wall	<input type="checkbox"/>		
demonstrated safe setup of the work area	<input type="checkbox"/>		
built the cavity wall to the given specification within the following tolerances			
Setting out			
• Brickwork between profiles	<input type="checkbox"/> +/- 25mm in length	<input type="checkbox"/> +/- 20mm in length	<input type="checkbox"/> +/- 15mm in length
• Block work between profiles	<input type="checkbox"/> +/- 25mm in length	<input type="checkbox"/> +/- 20mm in length	<input type="checkbox"/> +/- 15mm in length
• Cavity Width	<input type="checkbox"/> 75mm +/- 20mm in width	<input type="checkbox"/> 75mm +/- 10mm in width	<input type="checkbox"/> 75mm +/- 5mm in width

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The candidate has:	Pass	Merit	Distinction
built the cavity wall to the given specification within the following tolerances			
Level			
• Brickwork	<input type="checkbox"/> +/- 30mm in length	<input type="checkbox"/> +/- 20mm in length	<input type="checkbox"/> +/- 10mm in length
• Block work	<input type="checkbox"/> +/- 30mm in length	<input type="checkbox"/> +/- 20mm in length	<input type="checkbox"/> +/- 10mm in length
Cross Joints			
• Brickwork	<input type="checkbox"/> 10mm +/- 8mm	<input type="checkbox"/> 10mm +/- 5mm	<input type="checkbox"/> 10mm +/- 3mm
• Block work	<input type="checkbox"/> 10mm +/- 8mm	<input type="checkbox"/> 10mm +/- 5mm	<input type="checkbox"/> 10mm +/- 3mm
Range measured diagonally			
• Brickwork	<input type="checkbox"/> +/- 25mm	<input type="checkbox"/> +/- 20mm	<input type="checkbox"/> +/- 15mm
• Block work	<input type="checkbox"/> +/- 25mm	<input type="checkbox"/> +/- 20mm	<input type="checkbox"/> +/- 15mm
• Gauge	<input type="checkbox"/> +/- 30mm in height	<input type="checkbox"/> +/- 20mm in height	<input type="checkbox"/> +/- 10mm in height
finished the brickwork to a given specification within the tolerances below			
• joint finish to brickwork	<input type="checkbox"/> Some gaps in jointing	<input type="checkbox"/> No gaps in jointing	
maintained a clean and safe working area and has followed health and safety guidelines	<input type="checkbox"/>		
cleared work area of surplus materials and debris on completion of the job	<input type="checkbox"/>		
cleaned all tools and equipment ready for re-use	<input type="checkbox"/>		

Assignment passed? Final Grade: - Pass/Merit/Distinction

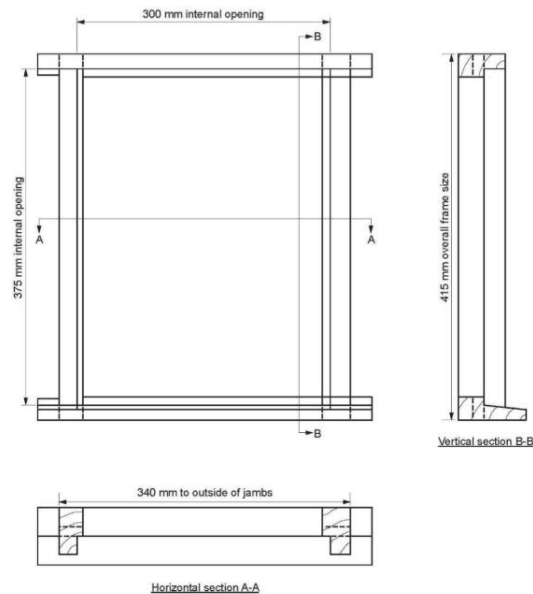
Assessor signature _____

Date _____

Assignment 103 Constructing through mortice and tenon joints

Task A Construct a frame using through mortice and tenon joints

Figure 1



Specification

Timber to be planed European redwood; head and jambs to be finished size 69 mm X 32mm, cill 90 mm X 32 mm. Head and stiles to be once rebated 33 mm X 12 mm, cill to be rebated and have a 5mm chamfer. Timber to be rebated by the centre, candidate to form the chamfer to the cill.

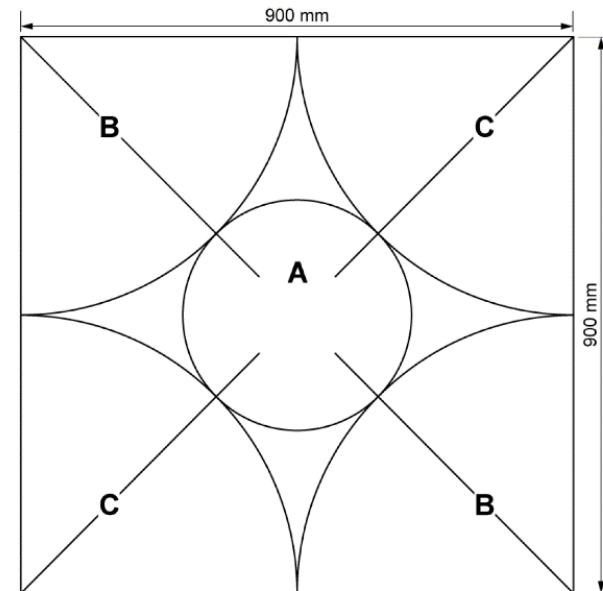
All joints should be glued and wedged.

Assignment 003 Painting techniques

Task A

Set out and paint a design

Figure 1



Specification

- A) Dark colour
- B) Light colour
- C) Contrast to A) and B)

The background colour should be 00E55 acrylic eggshell, soft sheen or vinyl matt.

Plastering wall and floor tiling

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Assignment 125 applying

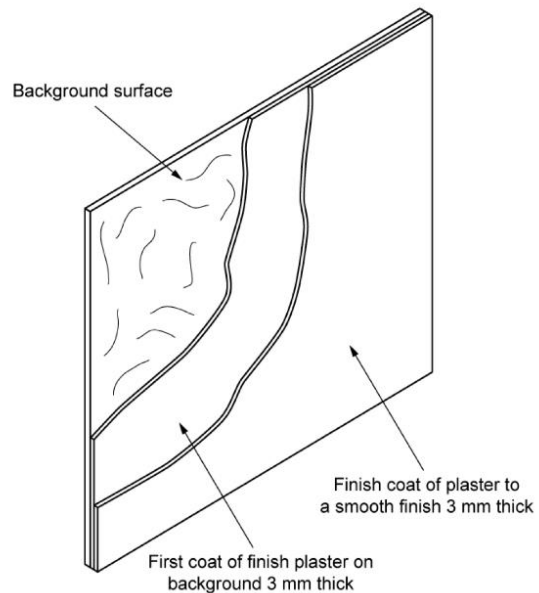
Task A

Preparing background surfaces and finishing coats

Prepare a background surface and apply finishing coats

Fig 1

Specification – Area to be 1m²

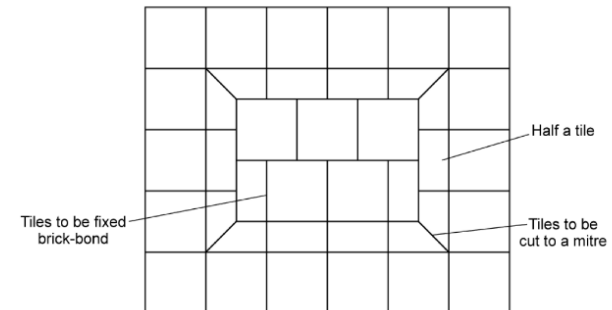


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Assignment 117 Task A

Tiling floors with a border Tile a floor with a border

Figure 1



Specification

Suitable timber or screed floor which is a minimum of 1.5m².
Tile size should be a maximum of 333mm x 333mm.
Tiles to be cut in half to form the border with mitred corners.
Centre of the floor to be laid in a brick-bond pattern.

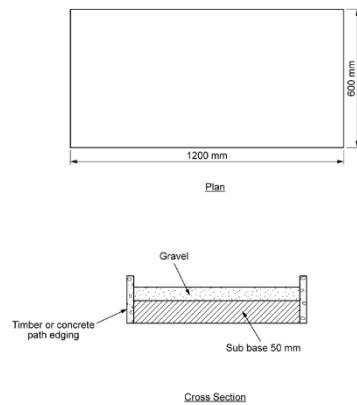
Construction Operations Electrical Plumbing

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Assignment 007
Task A

Setting out and laying gravel paths
Set out and lay a gravel path

City&Guilds

Figure 1

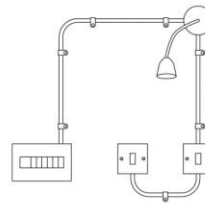


Assignment 137
Task A

Installing two way lighting circuit
Install a two way lighting circuit

City&Guilds

Figure 1

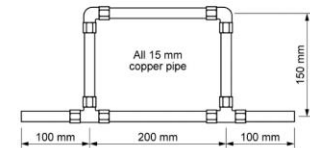


Assignment 010
Task A

Working with non-manipulative fittings
Construct a copper framework using non-manipulative fittings

City&Guilds

Fig1



Grading the Qualification Examples

Tas k	The candidate has:	Pass	Merit	Distinct ion
A	identified the personal protective equipment (PPE) appropriate to setting out and laying drainage		Not in use	Not in use
	identified the components required		Not in use	Not in use
	identified the tools and equipment required to complete the task		Not in use	Not in use
	used personal protective equipment (PPE) appropriate to the task		Not in use	Not in use
	selected the tools and equipment required to complete the task		Not in use	Not in use
	selected materials and components		Not in use	Not in use
	demonstrated safe setup of the work area		Not in use	Not in use
	laid the bedding material correctly		Not in use	Not in use
	set out the drain between two manholes to 3m	+/- 50mm	+/- 30mm	+/- 20mm
	cut pipes correctly if required pipe ends were smoothed to allow collars to be inserted	some rough edges	some rough edges	no rough edges
	jointed pipes correctly		Not in use	Not in use
	placed the rodding eye within the middle third of the run to a tolerance of	+/- 100mm	+/-30mm	no deviation
	laid pipes to line- no deviation greater than	+/-50mm	+/-30mm	+/-15mm
	tested the system for water tightness and the system passed the test		Not in use	Not in use
	maintained a clean and safe working area and has followed health and safety guidelines		Not in use	Not in use
	cleared the work area of surplus materials and debris on completion of the job		Not in use	Not in use
	cleaned all tools and equipment ready for re-use		Not in	Not in use

Assignment passed? Final grade: **Pass**/Merit/Distinction
Assessor signature
Date

Tas k	The candidate has:	Pass	Merit	Distinct ion
A	identified the personal protective equipment (PPE) appropriate to setting out and laying drainage		Not in use	Not in use
	identified the components required		Not in use	Not in use
	identified the tools and equipment required to complete the task		Not in use	Not in use
	used personal protective equipment (PPE) appropriate to the task		Not in use	Not in use
	selected the tools and equipment required to complete the task		Not in use	Not in use
	selected materials and components		Not in use	Not in use
	demonstrated safe setup of the work area		Not in use	Not in use
	laid the bedding material correctly		Not in use	Not in use
	set out the drain between two manholes to 3m	+/- 50mm	+/- 30mm	+/- 20mm
	cut pipes correctly if required pipe ends were smoothed to allow collars to be inserted	some rough edges	some rough edges	no rough edges
	jointed pipes correctly		Not in use	Not in use
	placed the rodding eye within the middle third of the run to a tolerance of	+/- 100mm	+/-30mm	no deviation
	laid pipes to line- no deviation greater than	+/-50mm	+/-30mm	+/-15mm
	tested the system for water tightness and the system passed the test		Not in use	Not in use
	maintained a clean and safe working area and has followed health and safety guidelines		Not in use	Not in use
	cleared the work area of surplus materials and debris on completion of the job		Not in use	Not in use
	cleaned all tools and equipment ready for re-use		Not in	Not in use

Assignment passed? Final grade: **Pass**/**Merit**/Distinction
Assessor signature
Date

Grading the Qualification Examples

Task	The candidate has:	Pass	Merit	Distinction
A	identified the personal protective equipment (PPE) appropriate to setting out and laying drainage		Not in use	Not in use
	identified the components required		Not in use	Not in use
	identified the tools and equipment required to complete the task		Not in use	Not in use
	used personal protective equipment (PPE) appropriate to the task		Not in use	Not in use
	selected the tools and equipment required to complete the task		Not in use	Not in use
	selected materials and components		Not in use	Not in use
	demonstrated safe setup of the work area		Not in use	Not in use
	laid the bedding material correctly		Not in use	Not in use
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	jointed pipes correctly		Not in use	Not in use
	placed the rodding eye within the middle third of the run to a tolerance of	+/- 100mm	+/-30mm	no deviation
	laid pipes to line- no deviation greater than	+/-50mm	+/-30mm	+/-15mm
	tested the system for water tightness and the system passed the test		Not in use	Not in use
	maintained a clean and safe working area and has followed health and safety guidelines		Not in use	Not in use
	cleared the work area of surplus materials and debris on completion of the job		Not in use	Not in use
	cleaned all tools and equipment ready for re-use		Not in use	Not in use

Assignment passed? Final grade: Pass/Merit/Distinction
Assessor signature
Date

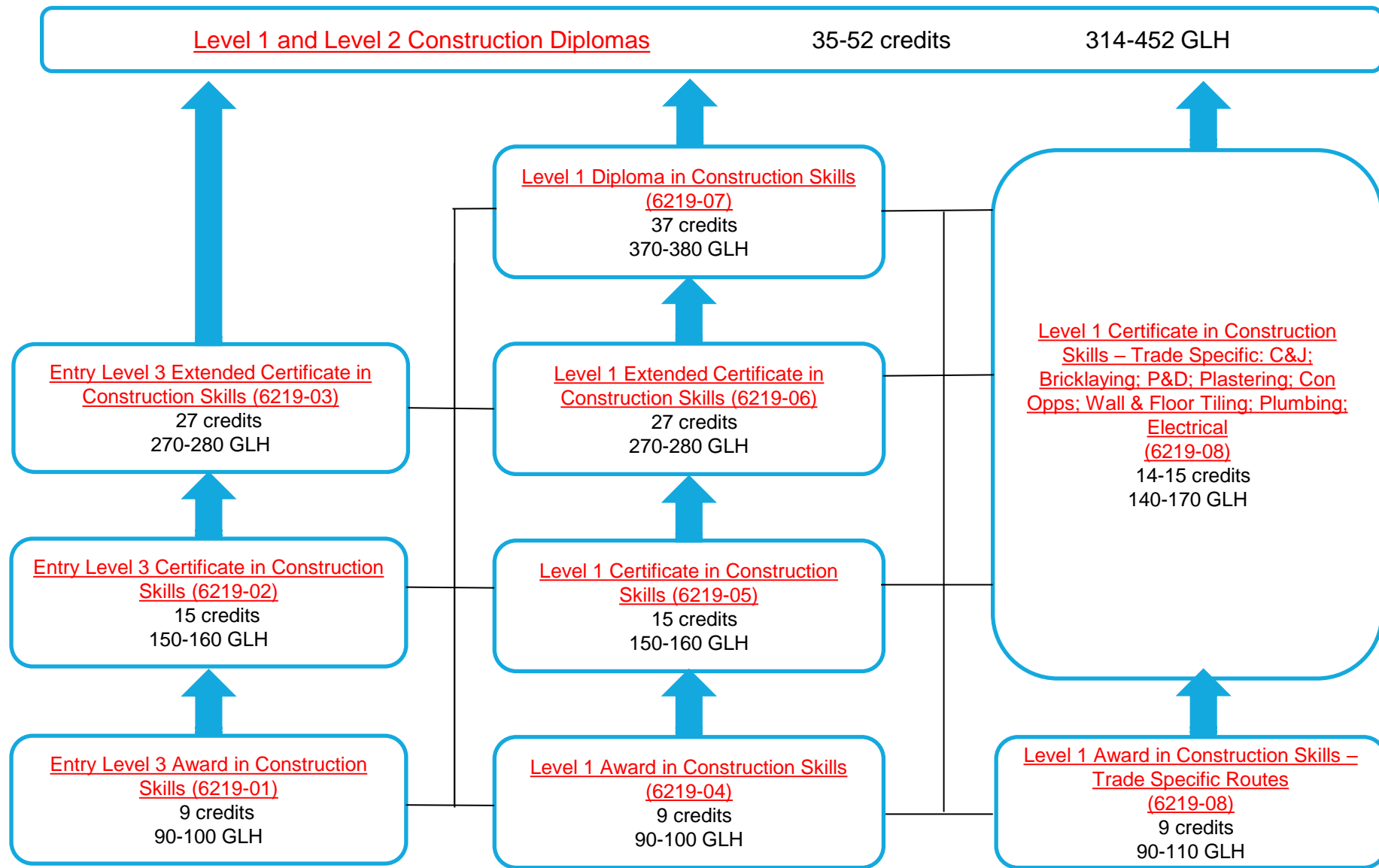
Task	The candidate has:	Pass	Merit	Distinction
A	identified the personal protective equipment (PPE) appropriate to setting out and laying drainage		Not in use	Not in use
	identified the components required		Not in use	Not in use
	identified the tools and equipment required to complete the task		Not in use	Not in use
	used personal protective equipment (PPE) appropriate to the task		Not in use	Not in use
	selected the tools and equipment required to complete the task		Not in use	Not in use
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	demonstrated safe setup of the work area		Not in use	Not in use
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	laid pipes to line- no deviation greater than	+/-50mm	+/-30mm	+/-15mm
	tested the system for water tightness and the system passed the test		Not in use	Not in use
	maintained a clean and safe working area and has followed health and safety guidelines		Not in use	Not in use
	cleared the work area of surplus materials and debris on completion of the job		Not in use	Not in use
	cleaned all tools and equipment ready for re-use		Not in use	Not in use

Assignment passed? Final grade: Pass/Merit/Distinction
Assessor signature
Date

- **Opportunities to repeat tasks**
- The tasks are summative assessments and, other than to gain a Pass, candidates may not retake tasks to improve grades.
- **Centre staffing**
- All staff who assess (tutor/deliver) these qualifications must:
- have recent relevant experience in the specific area they will be teaching;
- be technically competent in the area for which they are delivering training and/or have experience of providing training;
- have a CV available demonstrating relevant experience and any qualifications held.
- While the Assessor/Verifier (A/V) units/TAQA are valued as qualifications for centre staff, they are not currently a requirement for these QCF qualifications. However, we encourage trainers and assessors to qualify to the current TAQA standard.

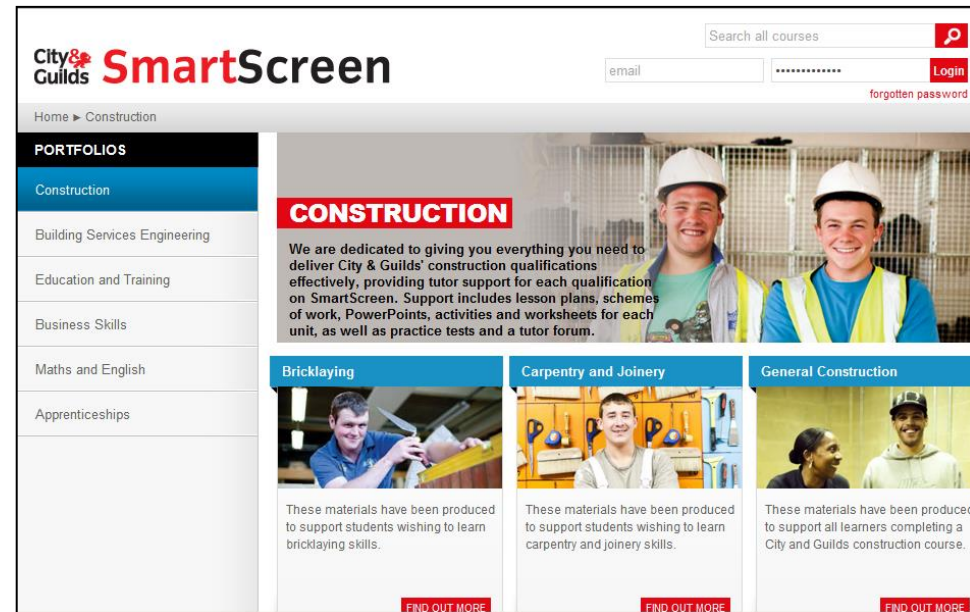
6219 PROGRESSION ROUTES

Learner starting point and progression determined by Centre



NEW AND IMPROVED SMARTSCREEN: UNITS SUPPORTED

- Unit 001 Constructing halving joints
- Unit 002 Constructing housing joints
- Unit 003 Painting techniques
- Unit 004 Tiling a plain wall
- Unit 005 Constructing half brick walling
- Unit 006 Laying paving using slabs
- Unit 007 Setting out and laying gravel paths
- Unit 008 Preparing background surfaces and applying render coats
- Unit 009 Removing and refitting water-filled radiators
- Unit 010 Working with non-manipulative fittings
- Unit 011 Connecting flex to common apparatus
- Unit 101 Introduction to health and safety in construction
- Unit 102 Introduction to the construction industry
- Unit 103 Constructing through mortice and tenon joints
- Unit 104 Constructing angled halving joints
- Unit 106 Constructing haunched mortice and tenon joints
- Unit 107 Constructing stub mortice and tenon joints
- Unit 111 Painting and wallpapering
- Unit 114 Painting a panel door
- Unit 115 Cutting and fixing decorative panels
- Unit 118 Constructing block walling
- Unit 121 Constructing one brick walling
- Unit 122 Laying block paving
- Unit 124 Mixing and using concrete
- Unit 125 Preparing background surfaces and applying finishing coats
- Unit 126 Mixing materials and applying floating coats
- Unit 128 Bending and jointing copper pipes



- Unit 129 Connecting pipes and fittings to appliances
- Unit 133 Assembling 13amp switched sockets wired in ring main
- Unit 136 Installing one way lighting circuits
- Unit 105 Constructing bridle joints
- Unit 108 Fixing architraves and skirting
- Unit 127 Producing components from moulds
- Unit 131 Installing rain water goods

CITY & GUILDS – THE LATEST NEWS



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Email updates (Previously my preferences)

- ✓ Qualification updates
- ✓ Trailblazer updates
- ✓ News on new qualifications

[View page here](http://www.cityandguilds.com/apprenticeships)

www.cityandguilds.com/apprenticeships

The screenshot shows the City & Guilds website homepage. At the top is a navigation bar with links: Apprenticeship Reform, New Apprenticeships Pages, ESOL Skills for Life, CPD Academy, and Tutor Tools. Below this is the main header: "City & Guilds - a global leader in skills development". The page is divided into several sections:

- WHAT WE OFFER:** We are the leading skills development organisation, providing services to training providers, employers, and trainees across a variety of sectors to meet the needs of today's workplace. Our qualifications are valued by employers across the world, helping individuals develop their talents and abilities for career progression. [What we offer >](#)
- CENTRE QUICK LINKS:** We have a huge amount of resources for FE colleges, private training providers and employers who offer our qualifications.
 - > Become a centre
 - > Walled Garden information and documentation
 - > e-Certificates
 - > Exams and administration
 - > TechBac
 - > Digital learning
 - > Centre Document Library
 - > Funding
 - > What we offer centres
 - > What's new
 - > 19+ Adult loans
- ILM:** ILM is the UK's leading provider of leadership, coaching and management qualifications and training. Visit www.ilm.com >
- LEARNER QUICK LINKS:** A City & Guilds qualification can be the perfect way to boost your career and reach your potential.
 - > Replacement certificates for learners
 - > Qualifications explained
 - > TechBac
 - > Apprenticeships
 - > Career ideas
 - > What we offer learners
 - > Help for learners
 - > 19+ Adult Loans
- EMPLOYER QUICK LINKS:** City & Guilds Employer Services supports businesses with all aspects of skills development and training. Whether you are large private or public sector employer, we can provide you with solutions and ongoing support that you can trust will deliver you the best for your business.
 - > What we offer employers
 - > What we offer the Ministry of Defence
 - > TechBac
 - > Help and support for employers
- EXTERNAL QUALITY ASSURERS QUICK LINKS:** There is a variety of EQA roles to support and promote quality assurance in line with City & Guilds and regulatory requirements.
 - > External Quality Assurers
 - > EQA document library
 - > EQA vacancies

On the right side, there is a "NEWS & INSIGHT" section with a "SHARE" button (2.7K) and a "Great Expectations Press Release" with a "Read more >" link. Below this are three more news items: "Apprenticeship end assessments", "Changes-in-Parliament", and "Skills-Plan", each with a "Read more >" link. At the bottom right, there is a "VIEW MORE NEWS >" link.

At the bottom of the page, there is a "Tools and Support" section with links: Walled Garden, SmartScreen, Learning Assistant, Bookshop, e-volve, Events, and Email Updates. Below this is a "City & Guilds websites" section with logos for City&Guilds Group, The Oxford Group, kineo, City&Guilds NPTC, and ilm. At the very bottom, there is a "Quick links" section.

Two callouts are present:

- A blue callout bubble pointing to the "Events" link in the "Tools and Support" section, containing the text: "Click here for information about events."
- A pink callout bubble pointing to the "Email Updates" link in the "Tools and Support" section, containing the text: "Click here to sign up for email updates"

Thank You

City & Guilds

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