

T Level Technical Qualification in Onsite Construction - Bricklaying

Centre Standardisation Materials

Version 1.0 Last modified 18-January-2023 For external use

Contents

1.	Intro	duction	2
2.	Cand	idate A	4
	2.1.	Assessment details	4
	2.1.1.	Sample Tasks	4
	2.2.	Candidate evidence	8
	2.2.1.	Task 1 - Method statement	8
	2.2.2.	Task 1 - Risk assessment	9
	2.2.3.	Task 1 – Materials list	12
	2.2.4.	Task 1 - Presentation of the design and scaled drawing of the	
		proposed decorative panel to the client	13
	2.2.5.	Task 2 - Construct complex masonry structures	14
	2.2.6.	Task 2 - Photographic/video evidence	16
	2.2.7.	Task 3 - Construct complex masonry structures	26
	2.3.	Guidance on the exemplar marking	41
	2.4.	Candidate Record Form (CRF) – Bricklaying (8711-305)	42
3.	Cand	idate B	44
	3.1.	Assessment details	44
	3.1.1.	Sample Tasks	44
	3.2.	Candidate evidence	48
	3.2.1.	Task 1 - Method statement	48
	3.2.2.	Task 1 - Risk assessment	48
	3.2.3.	Task 1 – Materials list: Decorative panel	49
	3.2.4.	Task 1 - Presentation of the design and scaled drawing of the	
		proposed decorative panel to the client	49
	3.2.5.	Task 2 - Construct complex masonry structures	50
	3.2.6.	Task 2 - Photographic/video evidence	52
	3.2.7.	Task 3 - Repair of masonry structures	66
	3.3.	Guidance on the exemplar marking	84
	3.4.	Candidate Record Form (CRF) – Bricklaving (8711-305)	. 85

1. Introduction

Bricklaying (8711-35) (305)

These standardisation materials have been produced to support centre assessors when marking the Occupational Specialism assessment.

The materials are produced to support staff in the process of marking, including how to effectively use marking grids to mark using assessment themes.

The Occupational Specialism assessments for the T Level in Onsite Construction are externally set summative assessments which are internally marked by assessors. It is the centre's responsibility to ensure candidate's work is marked in a standard way across the centre, using the specified marking grids, in order to rank performance on a single mark scale.

The marking materials must be considered alongside the Technical Qualification Occupational Specialism assessment guide.

It is recommended that all assessors, including any unlikely to mark, are included in early discussions around the use of the marking grids, as all assessors should understand the basis of marking. This is because it could shape their teaching by helping candidates practise, bringing their skills and knowledge together to complete a problem, and helping them learn to explain and justify their choices in terms of subject knowledge in preparation for summative assessment.

Assessors must study the Technical Qualification Occupational Specialism assessment guide which provides detailed information about the assessment themes and the marking grids, to ensure they are clear about the different assessment themes and how they may show up in evidence across the range of tasks.

If there is more than one assessor carrying out marking at the centre, this process should be carried out as part of a group activity to ensure markers are clear and in agreement about what sorts of evidence are relevant for assessment and which assessment theme they fit into.

The following materials should form the basis for pre-standardisation and discussion could take place using evidence from trial runs/formative assessment activities. Standardisation should also take place using the evidence from the actual assignment set for that year, so along with utilising this tool, please ensure activities surrounding the live assignment also take place.

Thank you for accessing these support materials. Please note that the Practical Observation form has been updated since the publication of these materials. The Practical Observation form included in the live assessment materials is the version that must be used when assessing the Occupational Specialism.

Guide to marking the T Level Occupational Specialism Assessment – recording: <u>link</u>

Please review the accompanied recording to support standardisation activities.

Within this pack, you will find:

- Links to the assessment materials and relevant Guide Standard Exemplification Materials
- Links to the Sample Assessment Materials
- Exemplar candidate evidence from two candidates Candidate A and Candidate B
- Guidance on the exemplar marking
- A partially completed candidate record form, reflecting marking of a number of the assessment themes within this assessment

2. Candidate A

2.1. Assessment details

This standardisation pack has been developed to reflect the requirements of the **Bricklaying – Sample** version. The assessment pack can be access on the City & Guilds website, <u>here</u>

The evidence used for the exemplar marking in this pack is based on the **Guide Standard Exemplification materials** for this occupational specialism that can be located, <u>here</u>

2.1.1. Sample Tasks

The tasks outlined below have been taken from the Sample Assessment Materials.

Task 1 – Prepare and plan for the construction and repair of complex masonry structures

Resources

- Specification
- Tape measure
- Drawing equipment and materials including graph paper
- Calculator
- Notebook

Candidates should be provided with the assignment brief and given time to plan for the work.

a) Plan for the construction and repair works on the historic property

Candidates are required to detail the materials required, take measurements of the working area to calculate quantities of materials needed and provide reasoning why they are requesting these resources.

It is expected that candidates will produce a bill of quantities, materials list, method statement planning their works and a risk assessment.

A template for the method statement, materials list and risk assessment has been included within the resource pack, centres should provide candidates with a template at the beginning of this assignment

b) Deign a sample decorative panel to a suitable scale

As a minimum, it is expected that candidates will produce a sample decorative panel to a suitable scale with details of decorative features and types of materials used and a rationale for their choice.

Candidates will be provided with a specific working area and graph paper to ensure the dimensions meet the centre's resources. Candidate must measure and make out their work area.

The Candidate drawing should be applicable to the location they are being assessed in and all plans are to a suitable scale.

c) Present their design of a sample decorative panel to the client

The presentation should not exceed 15 minutes

The assessor will act as the customer during the presentation and record any feedback on the assessor feedback form

Candidates must complete the preparation and planning activity prior to carrying out tasks 2 and 3.

If candidates provide plans that are not fit for purpose it is expected that the assessor will intervene and provide necessary feedback and corrections to the plans prior to the candidate carrying out the installation, however, this should be commented on in the marking documentation and reflected in marks awarded.

Conditions of assessment:

- The time allocated for this task is 5 hours
- The candidate must carry out the task on their own, under controlled conditions

What must be produced for marking:

- Measurements of location/area
- Method statement
- Bill of quantities
- A materials/tools list
- A risk assessment
- A scaled drawing/design of a decorative panel to a suitable scale (using a maximum of 250 bricks)
- Present the design and scaled drawing of the proposed decorative panel to the client

You will act as the client during the presentation and record any feedback on the assessor feedback form

Additional evidence of candidate performance that must be captured for marking:

- Assessor observation of the presentation
- Assessor observation of measurements of the site location/work area to be confirmed by the assessor at the start of the planning activity.

Task 2 – Construct complex masonry structures

Resources

- Materials 220 quality facing bricks, 30 contrasting facing bricks, a supply of mortar
- Tools Bricklaying trowel, lump hammer and bolster, brick hammer, level, tabletop saw/mechanical saw, line and pins and square

Candidates are required to complete the work as described in the assignment brief specifications, as detailed in their planning for Task 1.

Construct a sample decorative panel according to the client's specifications,

Conditions of assessment:

- The time allocated for this task is 15 hours
- The candidate must carry out the task on their own, under controlled conditions

What must be produced for marking:

• A completed decorative sample panel

Additional evidence of candidate performance that must be captured for marking:

- Assessor observations
- Completed decorative sample panel
- Assessor photographic/video evidence at various stages to show candidates progress against
- Video evidence of first course laid
- Video evidence of setting out/measuring/marking out
- Photographic evidence of the plumb, line, and gauge work, tolerance shown
- Video evidence of work in completion at start, and at stages and close to completion of decorative panel identifying panel construction and hand skills
- Photographic evidence of the completed panel one from the front elevation
- Photographic evidence of the completed panel from the side elevation
- Photographic evidence of work area/housekeeping/waste disposal management at start, middle and completion of task

Task 3 – Renovate and repair masonry structures

Resources

- Materials 12 facing bricks, training mortar, mortar colour
- Tools Bricklaying trowel, pointing trowel, level brick hammer, lump hammer, and bolster

Carry out repairs to an existing chimney that has been pre-constructed at ground level for the assessment. The repair includes replacing the pot, flaunching, remove and replace a damaged brick and re pointing an area of the chimney to match the original style to the agreed specification.

Conditions of assessment:

- The time allocated for this task is 4 hours
- The candidate must carry out the task on their own, under controlled conditions

What must be produced for marking:

- The chimney pot fitted and flaunched
- Damaged brick is removed and replaced
- One elevation of the chimney stack weather struck jointed with coloured mortar

Additional evidence of candidate performance that must be captured for marking:

- Assessor observations
- Inspect and removal as part of preparation
- Chimney pot fitted and flaunched
- Repaired brickwork
- Assessor photographic/video evidence at various stages to show candidates progress against
- Photographic evidence of inspection and removal of materials for preparation or repair
- Photographic evidence of removal and replacement of corbelling and new clay fitted to the existing chimney
- Photographic evidence of the top of stack flaunched in cement mortar
- Video evidence of gauging coloured mortar, noting consistency and colour
- Photographic evidence of the face of the stack once jointed with tolerances
- Photographic evidence of the finished repair from top and side elevation

2.2. Candidate evidence

2.2.1. Task 1 - Method statement

Method statement for construction of the panel (Task 2)

- 1. Review Health and safety follow risk assessments
- 2. Select the correct PPE that is required and that it is in date as indicated in risk assessment
- 3. Complete the materials list for the panel to establish the quantities of materials required to complete the work
- 4. Select all required tools and equipment that you will require to complete the task
- 5. Set out area protection of areas and equipment/materials including tarp and dust covers Tools, equipment, materials and machines required, protect all areas be close to clean water and electric points
- 6. Set out/mark out the wall to the size indicated on the drawing accurately by marking on the floor with a pencil and using a square
- 7. Load out the work area with the required number of bricks and position the spot boards to allow efficient work method
- 8. Set out the decorative panel on the floor in pencil and draw in the brick shapes and joints to prepare for cutting of the panel
- 9. Lay the first course of bricks and carefully check dimensions for accuracy
- 10. Construct the wall to panel height and set out the size of the panel checking gauge level and plumb as the work proceeds
- 11. Cut the bricks and lay them in the panel to the correct pattern as the work proceeds. Checking the angle with a square as they are laid
- 12. Check level plumb and gauge as the work proceeds
- 13. Complete the joint finish and clean the surrounding area
- 14. Carry out final checks and adjustments as required.
- 15. Clean area and dispose of final waste correctly

2.2.2. Task 1 - Risk assessment

SEVERITY (S): Degree of harm which may be caused (including numbers affected)

- 1 Minor Injury
- 2 Major Injury
- 3 Fatality

LIKELIHOOD (L): Probability that event will occur

- 1 Remote
- 2 Possible
- 3 Likely

RISK RATING (RR): Severity x Likelihood

- 1-2 Low
- 3-5 Medium
- 6-9 High

Activity: Constructing A Panel Location: Centre A			Date: xxxxxxx Position: Candidate A					
Item No	Activity	Hazard	Risk To	Existing Controls (Mitigation)	(S)	(L)	(RR)	Are the risks controlled?
Cons	structing A P	anel						
1	Setting up for mixing	Trailing leads, trip hazards	Operatives, public, equipment	Protect, signpost, provide tool box talks, keep moving parts safe, use guards.	1	1	2	Y
2	Manual handling.	Musculoskeletal injury	Operatives	Observe manual handling regs, follow guidance on	1	1	2	Υ

				lifting weights. Seek assistance or mechanical lifting aid with larger weights				
3	Congested work area	Construction team, general public, adjacent machinery and equipment	Operatives	Maintain clear walkways and follow site cleaning procedures. Regular tool box talks on housekeeping.	1	1	2	Υ
4	Wet floors	Slips and trips	Operatives	Use barriers, signage, protect surfaces, clean surface=s regularly, site staff wear appropriate footwear	1	1	2	Y
5	Hazardous materials, liquids / additives, dust, cement, lime.	Skin irritation, dermatitis, lime and cement burns	Operatives	Use barrier creams and gloves. Control dust with spray, and ventilate. All cutting outside, hand wash facilities are close by, follow manufacturer's instructions, maintain a COSHH register, carry out risk assessments and method statements.	2	1	3	Y
6	Cutting and	chips in eyes	Operatives	Wear PPE, glasses at all times when	1	1	2	Υ

	shaping bricks,			cutting and shaping bricks				
Repa	air of Chimne	ey .						
7	Working at height	Falls, falling objects	Operatives, general public, adjacent machinery and equipment	Use appropriate access equipment, ensure recommended guarding follows all working at height regs.	1	2	3	Y
8	Hazardous waste	burns, scalds, inhalation, ingestion	Operatives	Identify types of waste & correct methods of disposal. Follow guidance for disposal. Correct selection of PPE Follow manufacturers guidance, maintain a COSHH register, risk assessments and methods of working.	1	2	3	Y

2.2.3. Task 1 – Materials list

Materials	PPE
Pencil (1)	Protective clothing
1200mm Spirit level (1)	Steel toe capped boots
Tape measure (1)	Safety Goggles
Brick trowel (1)	Gloves/ Barrier cream
Pointing trowel (1)	Dust mask
Steel square (1)	
Line and pins (1)	
Lump Hammer (1)	
Bolster (1)	
Comb/ Scutch Hammer (1)	
Masonry saw (1)	
Gauge rod (1)	
Brick Hammer (1)	
Bucket (1)	
Shovel (1)	
Facing Bricks (220)	
Contrasting bricks (30)	
Sand (1)	
Cement (1)	
Lime (1)	
Weather Protective coverings (2)	

2.2.4. Task 1 - Presentation of the design and scaled drawing of the proposed decorative panel to the client

Practical Observation Form

Assessment ID	Qualification number
8711-305	8711-35
Candidate name	Candidate number
Candidate A	CG12345
Centre name	Assessment theme
City & Guilds	Presentation

Complete the table below referring to the relevant marking grid, found in the assessment pack. Do not allocate marks at this stage.

Task	Notes – detailed, accurate and differentiating notes which identify areas of strength and weakness are necessary to distinguish between different qualities of performance and to facilitate accurate allocation of marks once all evidence has been submitted.
Presentation	The candidate was fluid from the start and spoke clearly whilst introducing their presentation, maintaining excellent eye contact and interaction throughout with the audience. The candidate was able to provide appropriate technical terminology throughout the presentation. The candidate gave detailed descriptive information detailing the specific types of bricks, joint finishes and colour, detailing the design and the decorative features clearly demonstrating reference to the history of the building and associated gardens. They made clear reference to the brief and provided clear rationale to justify their recommendations for their design and the materials chosen. Overall an engaging presentation that was well thought out and fully met the brief.

2.2.5. Task 2 - Construct complex masonry structures

Practical Observation Form

Assessment ID	Qualification number
8711-305	8711-35
Candidate name	Candidate number
Candidate A	CG12345
Centre name	Assessment theme
City & Guilds	Construct complex masonry structures

Complete the table below referring to the relevant marking grid, found in the assessment pack. Do not allocate marks at this stage.

Task	Notes – detailed, accurate and differentiating notes which identify areas of strength and weakness are necessary to distinguish between different qualities of performance and to facilitate accurate allocation of marks once all evidence has been submitted.
Construct complex masonry structures –	The candidate followed a logical process positioning all the resources required correctly allowing for efficient and safe working practice.
Decorative Panel	Excellent selection of tools and material, including the selection of protective material coverings when working.
	The candidate set out the wall accurately on the floor to the correct size as per the drawing correctly marking on the floor with a pencil and using a square.
	Decorative features were properly marked out (shapes and joints) on the floor to ensure that the cuts were accurately marked and these were cut within tolerance and without any error or damage.
	Plumb points checked at regular intervals. The plumb points are maintained within +/- 2mm, the work levelled within +/- 3mm and gauge, line and range consistently good with a regular consistency of joint thickness over the panel. The candidate checked the angle with a square as bricks were laid continually checking their work during the construction process to ensure that the work was produced to a high standard and met industry standards.
	The finished work was completed to a high standard, with a high-quality finish that was clean with no mortar smudging.

Task	Notes – detailed, accurate and differentiating notes which identify areas of strength and weakness are necessary to distinguish between different qualities of performance and to facilitate accurate allocation of marks once all evidence has been submitted.
	The candidate used excellent techniques and tool use throughout the task.
	Area was kept tidy and clean, and waste was disposed correctly and regularly.
	Overall an excellent representation of the specification.

2.2.6. Task 2 - Photographic/video evidence

Video 1 D: Video evidence of first course laid. Video sequences to show beginning, middle and end of work on first course

https://1drv.ms/v/s!Alx3sne-m16pgqB7RBQKmGpejlMDsQ?e=7rF5xU

Timestamp	Observation
0:00 – 2:00	Beginning of first course Bedding bricks, levelling bricks, transferring level, gauging
2:00 – 3:14	Middle of first course Laying front elevation of first course to line
3:15 – 4:01	End of first course Completing rear elevation of first course bedding bricks to line

Note: Video details first course laid, the accuracy of initial construction and the tolerance of levelling and gauging in first course (level and gauging further illustrated in photographs across completed construction).

Video 2 D: Video evidence of setting out/measuring/marking out

https://1drv.ms/u/s!Alx3sne-m16pgqBzON5 07J0npRjYw?e=8J6AWL

Timestamp	Observation
0:00 – 3:15	Diagonal basketweave panel surround Setting out/measuring/marking out panel surround on floor
3:16 – 3:31	Diagonal basketweave panel Series of stills showing measuring/marking out of diagonal bond in panel
3:32 – 3:52	Wall length Setting out/measuring/marking out wall length for construction of first course

Note: Video details accuracy in the setting out/measuring and marking of panel (as described in Task 2 practical observation form). Photographic evidence of the plumb, line, level and gauge.

Evidence description

Photo

Photographic evidence of the plumb, line, level and gauge work.

Plumb work and tolerances on decorative panel



Plumb work and tolerances on decorative panel



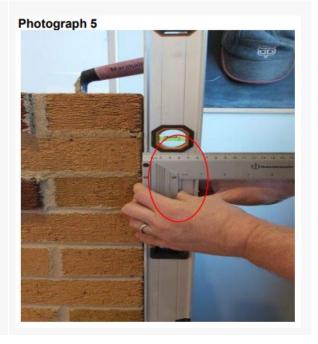
Plumb work and tolerances on decorative panel



Plumb tolerances on the decorative panel Plumb tolerances maintained within 2mm

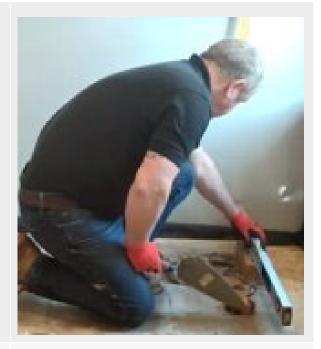


Plumb tolerances maintained within 2mm



Level work and tolerances on decorative panel

Level checked regularly as work proceeded



Level checked regularly as work proceeded



Work is levelled through the courses and the top of the wall



Tolerances finished to within 3mm tolerance



Accuracy in lining in top of diagonal



Accuracy of lining in lining in brick on edge



Accuracy of lining in laying bricks to line in dentil course



Showing Gauge work and tolerances



Showing candidate checking gauge work at regular intervals as work progressed with gauge within tolerance.

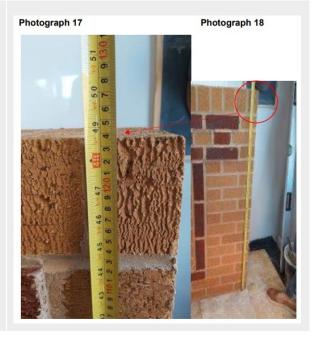


Showing candidate checking gauge work at regular intervals as work progressed with gauge within tolerance.



Showing final gauge with final gauge height of wall was 1,236mm against a given measurement of 1,237mm

within 3mm throughout with even joint thickness throughout construction



Video 3 D: Video evidence of work in completion at start, at stages and close to completion of decorative panel

https://1drv.ms/v/s!Alx3sne-m16pgqEAj67DH-90-ff4bg?e=PDlp5k

Timestamp	Observation
0:00 – 2:00	Laying bricks, jointing brickwork Half round joint finish as work proceeds
2:01 – 6:53	Bedding bricks in the diagonal basketweave panel maintaining 45-degree angle and bond
6:54 – 8:59	Laying intermediate bricks in dentil course to line
9:00 – 11:56	Completing brick on edge, laid to line measuring to maintain joint size

Note: Video details tolerances met to support photographic evidence without error.

Evidence description

Photo

Photographic evidence of the completed panel from the side/front elevation

Showing completed decorative panel side elevation



Showing completed decorative panel front elevation.

Showing side and front elevations of panel completed to an excellent standard without error (detailed in Video 3 D)





Photographic evidence of work area/housekeeping/waste disposal managements at middle and completion of task

Showing work area/housekeeping/waste disposal on completion of panel

Work area at start of task



Work area at middle of task



Waste bricks placed in rubble bags



Work area at middle of task



Work area at completion of task
(Waste mortar collected in bucket)
showing area was kept tidy and clean
throughout the task and waste was
disposed correctly and regularly without
build-up of debris.



2.2.7. Task 3 - Construct complex masonry structures

Practical Observation Form

Assessment ID	Qualification number
8711-305	8711-35
Candidate name	Candidate number
Candidate A	CG12345
Centre name	Assessment theme
City & Guilds	Repair of masonry structures

Complete the table below referring to the relevant marking grid, found in the assessment pack. Do not allocate marks at this stage.

Task	Notes – detailed, accurate and differentiating notes which identify areas of strength and weakness are necessary to distinguish between different qualities of performance and to facilitate accurate allocation of marks once all evidence has been submitted.
Repair of	Preparation
masonry structures - Chimney	The candidate inspected the damage before starting work selecting all the necessary tools and PPE required.
Omminey	The existing material was removed with a brush and then cleaned well with great consideration to the structure.
	Repair
	Mortar for the jointing was correctly gauged and mixed to a regular consistency and fully matched the existing structure in texture and colour.
	The candidate applied the joints to the face of the chimney and followed a methodical system of completing the perpendicular joints prior to the bed joints, which produced regular weatherstruck joints with consistently even edges.
	Damaged brick was replaced with care and consideration to existing structure.
	The candidate applied the flaunching to the top of the stack to the correct fall and ensured that there were no trowel marks producing an excellent finish.
	Repair work was completed correctly, with excellent tool use and without error or default. The finish was to an excellent standard.

Task	Notes – detailed, accurate and differentiating notes which identify areas of strength and weakness are necessary to distinguish between different qualities of performance and to facilitate accurate allocation of marks once all evidence has been submitted.
	All work areas kept clean, working safely throughout and waste removed and disposed of in line with legislation. Specification requirements have been fully met.

Evidence description

Photo

Photographic evidence of inspect and removal of materials for preparation or repair.

candidate inspecting chimney



Showing removal of cracked chimney pot, existing flaunching and brickwork.

Showing all materials removed with complete brush work/cleaning made in preparation for repair



Showing removal of cracked chimney pot, existing flaunching and brickwork.

Showing all materials removed with complete brush work/cleaning made in preparation for repair



Showing candidate inspect chimney and chipped brickwork



Showing candidate inspect chimney and chipped brickwork



Showing all materials removed (brick and mortar) and complete brush and cleaning ready for replacement brick



Photographic evidence of removal and replacement of corbelling and new clay fitted to the existing chimney

Showing replacement corbelling and new clay pot fitted

Joints recessed and Levelling new clay chimney pot new clay chimney pot fitted



Levelling new clay chimney pot



Two courses of brickwork rebuilt on chimney stack

Showing correct replacement of corbelling and clay pot fitted correctly



Photographic evidence of the top of stack flaunched in cement mortar

Showing flaunching work to top stack



Showing stack flaunched correctly and free from blemish on first delivery



Video 4 D: Video evidence of gauging coloured mortar https://1drv.ms/u/s!Alx3sne-m16pgqBseaV7FdnKwmphVw?e=SB6msL

Timestamp	Observation
0:00 - 0:49	Gauging and mixing lime and sand at a ratio of 1:5
0:50 – 1:32	Dry mixing materials to ensure fully mixed before adding other components
1:33 – 2:29	Adding measured amounts of water and mixing to suitable consistency
2:30 – 4:56	Gauging colour additive, adding and mixing to ensure consistency and colour Colour match checks made against the existing brickwork mortar during this stage of the process

Note: Video details mortar for the jointing correctly gauged and mixed to a regular consistency, texture and colour matched to the existing structure.

Evidence description

Photo

Showing completed stack once jointed

Shows face repointed with all perpendicular joints pointed first – consistent edges.



Face of stack completed to an excellent standard and accurate colour match to old and new mortar



Face of stack completed to an excellent standard and accurate colour match to old and new mortar



Photographic evidence of the finished repair from top and side elevation

Completed repair work – finished to an excellent standard without error



Completed repair work – finished to an excellent standard without error



2.3. Guidance on the exemplar marking

Within this standardisation pack, a partially completed CRF form has been provided which outlines how an assessor has awarded marks against the candidate evidence for a number of the assessment themes.

For the purposes of these materials the Marking Grids used can be found in the Sample Assessment Materials <u>here</u>

For exemplification purposes, an explanation of how the marker has determined the mark to be awarded is provided. This document shows:

How the marker has first considered the marking bands available and determined within which band the evidence best fits

Subsequently, consideration within the determined band and justification for the mark to be awarded within that band.

Health	Health and safety						
	Band 1		Band 2		Band 3		
	1	2	3	4	5	6	
Band	Band justific	cation					
3	lowest and m	The candidate has demonstrated that they have exceeded the requirements of the lowest and middle marking bands through safe demonstration of work practices, and through consideration of risks beyond a limited level.					
	The candidate response meets the requirements of the third marking band as the evidence is detailed in relation to mitigation and control for all risk/hazards identified.						
	Therefore, the mark to be awarded sits within the top marking band.						
Mark	Mark justification						
6	The risk assessment covers all of the hazards that should be considered, and health and safety procedures have been followed during the preparation period and whilst working on the practical tasks. The risk assessment identifies all of the associated risks and also does consider the range of risk factors to allow the demonstration of understanding in implementing control measures and therefore reducing the risk rating. Controls and mitigations are detailed, comprehensive and have clearly identified for all potential risks/ hazards.						
		asons outlined e upper band.	d here -the res	ponse has be	en determined	to be at the	

2.4. Candidate Record Form (CRF) – Bricklaying (8711-305)

Candidate name	Candidate number
Candidate A	CG12345
Centre name	Assessment theme
City & Guilds	Repair of masonry structures

Marker Notes – Please always refer to the relevant marking grid for guidance on allocating marks and make notes which describe the quality of the evidence and justification of marks. Expand boxes as required

Health	alth and safety						
	Band 1		Band 2		Band 3		
	1	2	3	4	5	6	
Band	Band justific	cation					
2	The risk assessment is complete and detailed, it covers many of the associated risks / hazards and risk mitigation factors are detailed with consideration given to potential harm and probability factors. Health and safety have clearly been a consideration throughout the assessment and the candidate has worked safely. The candidate evidence for candidate a does meet the requirements of the third marking band, the evidence is reasonably comprehensive and has detail relating to mitigating factors considered through the implementation of the control measures and there are few omissions in the risk assessment process.						
Mark	Mark justification						
3	The risk assessment covers a good range of hazards and health and safety procedures have been followed during the preparation period and whilst working on the practical tasks, although there is no evidence of wearing protective glasses whilst cutting bricks. The risk assessment does not identify all of the associated risks and also does not consider the risk factors to allow the demonstration of understanding in implementing control measures and therefore reducing the risk rating.						
	Due to the reasons outlined here –the response has been determined to be at the lower end of the middle marking band and a mark of 3 has been awarded.						
Design	and planning	g - Documents	S				
	Band 1		Band 2		Band 3		
	3	2	3	4	5	6	

Band	Band justification												
3	that th are lin	The planning documents submitted are thorough and detailed and demonstrate that the candidate has a comprehensive technical knowledge and reasoning that are linked directly to the tasks. Tools and equipment lists are mainly detailed and comprehensive.											
Mark	Mark	justific	ation										
5							could b s towar					fore	
Constru	ıct com	plex ma	sonry	structur	es – Co	onstruc	t						
	Band	1			Band	2		Band 3			3		
	1	2	3	4	5	6	7	8	9	10	11	12	
Band	Band	justific	cation										
3	The work area has been set up correctly to allow the work to be completed with efficiency. Cutting is accurate and without error and there is a high-quality finish that represents the requirements of the specification.												
Mark	Mark	Mark justification											
10	select essen work a	ion of p tial iten	orotections not of using in	ve mate	erial cov equipme	verings ent and	oriate to when when when when when when when when	working aterials	there vare a le	were so ong wa	ome y from	the	

Internal assessor name	Date	Total mark
Internal assessor signature		*/90

 $^{^{\}star}$ Please Note that the Total Mark (90) applies to the full assignment including all Assessment Themes

3. Candidate B

3.1. Assessment details

This standardisation pack has been developed to reflect the requirements of the **Bricklaying – Sample** version. The assessment pack can be access on the City & Guilds website, here

The evidence used for the exemplar marking in this pack is based on the **Guide Standard Exemplification materials** for this occupational specialism that can be located, <u>here</u>

3.1.1. Sample Tasks

The tasks outlined below have been taken from the Sample Assessment Materials.

Task 1 – Prepare and plan for the construction and repair of complex masonry structures

Resources

- Specification
- Tape measure
- Drawing equipment and materials including graph paper
- Calculator
- Notebook

Candidates should be provided with the assignment brief and given time to plan for the work.

1. Plan for the construction and repair works on the historic property

Candidates are required to detail the materials required, take measurements of the working area to calculate quantities of materials needed and provide reasoning why they are requesting these resources.

It is expected that candidates will produce a bill of quantities, materials list, method statement planning their works and a risk assessment.

A template for the method statement, materials list and risk assessment has been included within the resource pack, centres should provide candidates with a template at the beginning of this assignment

2. Deign a sample decorative panel to a suitable scale

As a minimum, it is expected that candidates will produce a sample decorative panel to a suitable scale with details of decorative features and types of materials used and a rationale for their choice.

Candidates will be provided with a specific working area and graph paper to ensure the dimensions meet the centre's resources. Candidate must measure and make out their work area.

The Candidate drawing should be applicable to the location they are being assessed in and all plans are to a suitable scale.

3. Present their design of a sample decorative panel to the client

The presentation should not exceed 15 minutes

The assessor will act as the customer during the presentation and record any feedback on the assessor feedback form

Candidates must complete the preparation and planning activity prior to carrying out tasks 2 and 3.

If candidates provide plans that are not fit for purpose it is expected that the assessor will intervene and provide necessary feedback and corrections to the plans prior to the candidate carrying out the installation, however, this should be commented on in the marking documentation and reflected in marks awarded.

Conditions of assessment:

- The time allocated for this task is 5 hours
- The candidate must carry out the task on their own, under controlled conditions

What must be produced for marking:

- Measurements of location/area
- Method statement
- Bill of quantities
- A materials/tools list
- A risk assessment
- A scaled drawing/design of a decorative panel to a suitable scale (using a maximum of 250 bricks)
- Present the design and scaled drawing of the proposed decorative panel to the client

You will act as the client during the presentation and record any feedback on the assessor feedback form

Additional evidence of candidate performance that must be captured for marking:

- Assessor observation of the presentation
- Assessor observation of measurements of the site location/work area to be confirmed by the assessor at the start of the planning activity.

Task 2 – Construct complex masonry structures

Resources

- Materials 220 quality facing bricks, 30 contrasting facing bricks, a supply of mortar
- Tools Bricklaying trowel, lump hammer and bolster, brick hammer, level, tabletop saw/mechanical saw, line and pins and square

Candidates are required to complete the work as described in the assignment brief specifications, as detailed in their planning for Task 1.

Construct a sample decorative panel according to the client's specifications,

Conditions of assessment:

- The time allocated for this task is 15 hours
- The candidate must carry out the task on their own, under controlled conditions

What must be produced for marking:

A completed decorative sample panel

Additional evidence of candidate performance that must be captured for marking:

- Assessor observations
- Completed decorative sample panel
- Assessor photographic/video evidence at various stages to show candidates progress against
- Video evidence of first course laid
- Video evidence of setting out/measuring/marking out
- Photographic evidence of the plumb, line, and gauge work, tolerance shown
- Video evidence of work in completion at start, and at stages and close to completion of decorative panel identifying panel construction and hand skills
- Photographic evidence of the completed panel one from the front elevation
- Photographic evidence of the completed panel from the side elevation
- Photographic evidence of work area/housekeeping/waste disposal management at start, middle and completion of task

Task 3 – Renovate and repair masonry structures

Resources

- Materials 12 facing bricks, training mortar, mortar colour
- Tools Bricklaying trowel, pointing trowel, level brick hammer, lump hammer, and bolster

Carry out repairs to an existing chimney that has been pre-constructed at ground level for the assessment. The repair includes replacing the pot, flaunching, remove and replace a damaged brick and re pointing an area of the chimney to match the original style to the agreed specification.

Conditions of assessment:

- The time allocated for this task is 4 hours
- The candidate must carry out the task on their own, under controlled conditions

What must be produced for marking:

- · The chimney pot fitted and flaunched
- Damaged brick is removed and replaced
- One elevation of the chimney stack weather struck jointed with coloured mortar

Additional evidence of candidate performance that must be captured for marking:

- Assessor observations
- Inspect and removal as part of preparation
- · Chimney pot fitted and flaunched
- Repaired brickwork
- Assessor photographic/video evidence at various stages to show candidates progress against
- Photographic evidence of inspection and removal of materials for preparation or repair
- Photographic evidence of removal and replacement of corbelling and new clay fitted to the existing chimney
- Photographic evidence of the top of stack flaunched in cement mortar
- Video evidence of gauging coloured mortar, noting consistency and colour
- Photographic evidence of the face of the stack once jointed with tolerances
- Photographic evidence of the finished repair from top and side elevation

3.2. Candidate evidence

3.2.1. Task 1 - Method statement

Method statement for construction of the panel (Task 2)

- 1. Review Health and Safety follow risk assessment
- 2. Complete the materials list for the panel
- 3. Select all required tools and equipment
- 4. Set up area

PPE, tools and equipment – protect working areas. Materials available for work – clean water and electric points available

- 5. Set out/mark out the wall to the size indicated on the drawing
- 6. Load out the work area with the required number of bricks
- 7. Set out the decorative panel
- 8. Lay the first course of bricks
- 9. Cut the bricks and lay them in the panel
- 10. Check level plumb and gauge
- 11. Complete the joint finish
- 12. Carry out final checks and adjustments

3.2.2. Task 1 - Risk assessment

Construction of Panel					
Hazard	Risk	Control	Probability		
Setting up mixing equipment	Slips and trips	Tape leads. Follow instructions	Low		
Manual Handling	Injury	Avoid lifting weights of more than 20kg/follow manual handling guidance	Low		
Congested work area	Trip hazards	Maintain clean and tidy work areas	Low		
Wet floor surfaces	Slips and trips	Use of barriers and signage	Low		
Working at heights	Falls from height	PPE			
Hazardous waste	Injury	Identify types of waste and correct method of disposal	Low		

3.2.3. Task 1 – Materials list: Decorative panel

Materials	PPE
Spirit level (1)	Protective clothing
Tape measure (1)	Steel toe capped boots
Brick trowel (1)	Safety Goggles
Steel square (1)	Gloves
Line and pins (1)	Dust mask
Lump Hammer (1)	
Bolster (1)	
Gauge rod (1)	
Brick Hammer (1)	
Bucket (1)	
Shovel (1)	
Facing bricks (220)	
Contrasting bricks (30)	

3.2.4. Task 1 - Presentation of the design and scaled drawing of the proposed decorative panel to the client

Practical Observation Form

Assessment ID	Qualification number
8711-308	8711-35
Candidate name	Candidate number
Candidate B	CG12345
Centre name	Assessment theme
City & Guilds	Presentation

Complete the table below referring to the relevant marking grid, found in the assessment pack. Do not allocate marks at this stage.

Task	Notes – detailed, accurate and differentiating notes which identify areas of strength and weakness are necessary to distinguish between different qualities of performance and to facilitate accurate allocation of marks once all evidence has been submitted.
Presentation	The candidate provides the design and scaled drawing at the beginning of the presentation.
	The candidate was fluid for much of the presentation, with one or two lapses and moments taken to regather thoughts. Initially eye contact and general interaction was lacking in the introductory statements, but this improved quickly with good interaction later.
	The candidate was able to provide an accurate description of the design and decorative features of the panel with good justifications for their choices, however there were minor lapses in explaining rationale for the joint finishes chosen.
	Overall, the presentation provided an accurate representation of the design provided.
	Terminology was used correctly although not extensively.

3.2.5. Task 2 - Construct complex masonry structures

Practical Observation Form

Assessment ID	Qualification number
8711-305	8711-35
Candidate name	Candidate number
Candidate B	CG12345
Centre name	Assessment theme
City & Guilds	Construct complex masonry structures

Complete the table below referring to the relevant marking grid, found in the assessment pack. Do not allocate marks at this stage.

Task

Notes – detailed, accurate and differentiating notes which identify areas of strength and weakness are necessary to distinguish between different qualities of performance and to facilitate accurate allocation of marks once all evidence has been submitted.

Construct complex masonry structures – Decorative Panel

The candidate selected the correct tools for the tasks and followed a logical process to lay out and position the resources in the correct position allowing for efficient working. One minor omission, a lump hammer was left in the store, which had to be retrieved later

The candidate set out the panel accurately on the floor to the correct size as per the drawing.

Decorative features were properly marked out on the floor to ensure that the cuts could be accurately marked and cut. Accurate cutting bar one small lapse on the ledge brick, but this has not affected the overall finish.

The plumb points are maintained within +/- 4mm, the work levelled within +/- 5 mm and line, gauge and range were consistently good with only minimal variation in joint thickness across the panel. Checked frequently.

The candidate carried out checks during the construction process to ensure that the work was produced to a good standard, is stable and has only minor errors on ledge and slight mortar smudging on dentil course which has not affected the overall finish.

The candidate used appropriate techniques and tool use throughout the task.

Area was kept tidy and clean, and waste was disposed correctly and regularly bar one delay following cutting, where some debris had formed.

Overall a sound representation of the specification.

3.2.6. Task 2 - Photographic/video evidence

Video 1 D: Video evidence of first course laid. Video sequences to show beginning, middle and end of work on first course

https://1drv.ms/v/s!Alx3sne-m16pqpwJoqfRzallel4MuA?e=pdwuCE

Timestamp	Observation
0:00 – 2:00	Beginning of first course: Bedding bricks, levelling bricks, transferring level, gauging
2:00 – 3:14	Middle of first course: Laying front elevation of first course to line
3:15 – 4:01	End of first course: Completing rear elevation of first course bedding bricks to line

Note: Video details first course laid, the accuracy of initial construction and the tolerance of levelling and gauging in first course (level and gauging further illustrated in photographs across completed construction).

Video 2 TC: Video evidence of setting out/measuring/marking out

https://1drv.ms/v/s!Alx3sne-m16pgp0GoLt69HdnUGiAXA?e=tx0BK4

Timestamp	Observation
0:00 – 3:15	Diagonal basketweave panel surround: Setting out/measuring/marking out panel surround on floor
3:16 – 3:31	Diagonal basketweave panel: Series of stills showing measuring/marking out of diagonal bond in panel
3:32 – 3:52	Wall length: Setting out/measuring/marking out wall length for construction of first course

Note: Video details accuracy in the setting out/measuring and marking of panel (as described in Task 2 practical observation form).

Evidence description

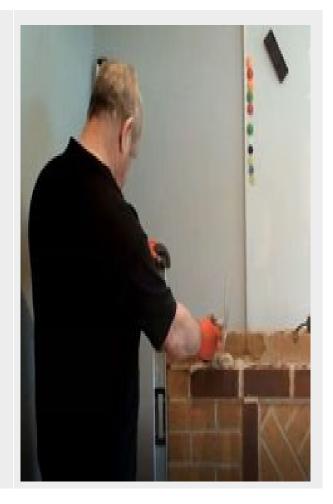
Plumb work and tolerances on decorative panel.

Plumb being checked, at intervals through task (during construction).

Photo

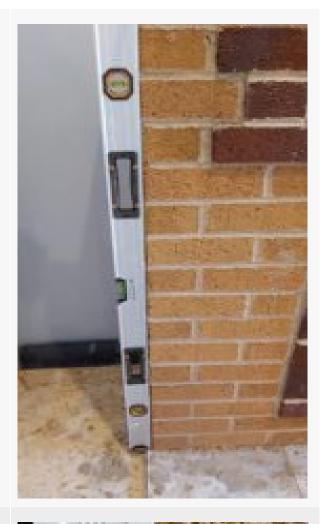


Plumb being checked, at intervals through task (during construction).



Showing plumb tolerances on the decorative panel

Plumbing points are maintained across required areas to within a tolerance of +/-4mm



Plumbing points are maintained across required areas to within a tolerance of +/-4mm

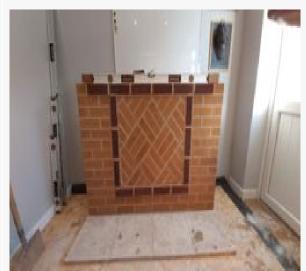


Level work and tolerances on decorative panel

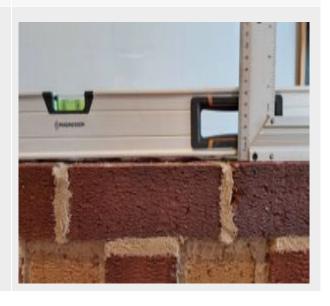
Level work conducted by candidate



Showing level tolerance
Tolerance within +/-5mm



Tolerance within +/-5mm



The work is levelled through the courses and the top of the wall

Tolerances finished to within +/-5mm tolerance



Tolerances finished to within +/-5mm tolerance



Showing line work
Lining in rear elevation: showing consistency



Lining dentil course: showing consistency



Lining in top of decorative panel (basketweave): showing consistency



Lining in brick on edge: showing consistency



Gauge work and tolerances
Showing candidate checking gauge work as they work



Walling remained slightly below gauge throughout the full height of the walling



Walling remained slightly below gauge throughout the full height of the walling



Showing final gauge



Showing final gauge



Showing final gauge work with final gauge height of wall 1,233mm

against a given measurement of 1,237mm within the 5mm tolerance

and there is consistency for most of the time in the joint thickness over the construction



Video 3 TC: Video evidence of work in completion at start, at stages and close to completion of decorative panel

https://1drv.ms/v/s!Alx3sne-m16pgp0fgFGal9pcCW2RQw?e=USErVP

Timestamp	Observation
0:00 – 2:10	Laying bricks to line on rear elevation
2:11 – 5:27	Bedding bricks in the diagonal basketweave panel maintaining 45- degree angle and bond
5:28 - 6:39	Commencing dentil course plumbing, gauging, levelling
6:40 – 8:16	Laying brick on edge to line Measuring to maintain joint size – close to panel completion

Note: Video details tolerances met to support photographic evidence and errors which include incorrectly cut brick, mortar smudge on dentil and error on edge of panel.

Evidence description

Photo

Detailing cutting error of brick to panel edge).



Detailing cutting error of brick to panel edge).



Showing slight mortar smudging on dentil course



Photographic evidence of the completed panel from the side/front elevation

Showing side elevation of panel completed to a good standard with only minor errors (detailed in Video 3 TC)



Showing side elevation of panel completed to a good standard with only minor errors (detailed in Video 3 TC)



Front elevation

showing front elevation of panel completed to a good standard with only minor errors (detailed in Video 3 TC)



Photographic evidence of work area/housekeeping/waste disposal managements at middle and completion of task

showing work area/housekeeping/ waste disposal on completion of panel work area at start of task (clean)



work area at middle of task (clean)



Waste bricks placed in rubble bags



small omission to clean area: debris built up in middle of task



work area at middle of task



work area at completion of task
(Waste mortar collected in bucket)
showing area was kept tidy and clean
through the task and waste was disposed
correctly and regularly bar one small
omission where debris built up at middle
stage of task



3.2.7. Task 3 - Repair of masonry structures

Practical Observation Form

Assessment ID	Qualification number
8711-305	8711-35
Candidate name	Candidate number
Candidate B	CG12345
Centre name	Assessment theme
City & Guilds	Repair of masonry structures

Complete the table below referring to the relevant marking grid, found in the assessment pack. Do not allocate marks at this stage.

Task	Notes – detailed, accurate and differentiating notes which identify areas of strength and weakness are necessary to distinguish between different qualities of performance and to facilitate accurate allocation of marks once all evidence has been submitted.
Repair of masonry structures - Chimney	Preparation The candidate inspected the damage before starting work selecting all the necessary tools and PPE required. Existing material was brushed down in the majority and removed correctly with thought given to the integrity of the existing structure. Repair Mortar for the jointing was correctly gauged and mixed to a
	regular consistency, texture correct but there was a slight colour variation to the existing structure. The candidate applied the joints to the face of the chimney to a good standard but there were minor inaccuracies where the perpendicular joints were not completed prior to all the bed joints, leaving two joints with inconsistent edges.
	The candidate applied the flaunching to the top of the stack to sufficient fall, but there were a few trowel marks that the candidate noticed, which were rectified before completion. Damaged brick in stack replaced correctly. Repair work was completed correctly with only minor errors that hasn't affected the final finish.

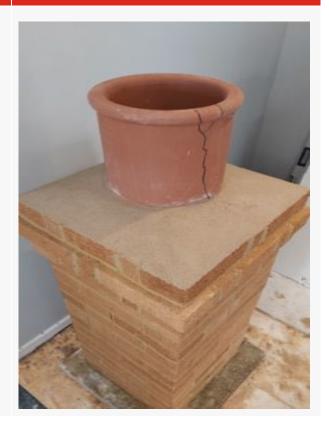
Task	Notes – detailed, accurate and differentiating notes which identify areas of strength and weakness are necessary to distinguish between different qualities of performance and to facilitate accurate allocation of marks once all evidence has been submitted.
	All work areas kept clean, working safely throughout and waste removed and disposed of in line with legislation. Specification requirements have been met.

Evidence description

Photo

Photographic evidence of inspect and removal of materials for preparation or repair

Showing candidate inspecting chimney





showing removal of cracked chimney pot, existing flaunching and brickwork

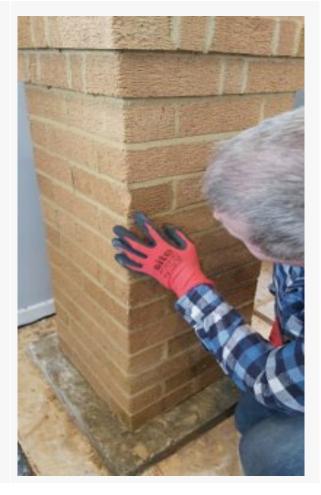
Showing most materials removed, sound brush and cleaning work made in preparation for repair





Showing candidate inspect and removal of materials for preparation or repair.

Showing candidate inspecting chipped brickwork





Showing removal of materials for preparation or repair - chipped brick Removal of brick

showing most materials removed, sound brush and cleaning work made in preparation for repair



Removal of mortar

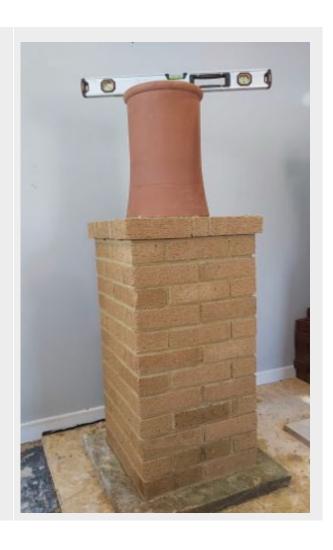


Removal and replacement of corbelling and new clay fitted to the existing chimney. showing replacement corbelling and new clay pot fitted.

New clay chimney pot fitted.

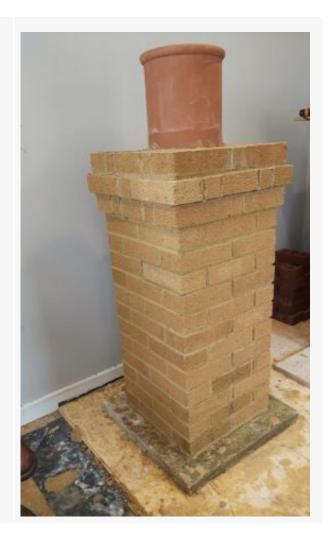


Levelling new clay chimney pot



Two courses of brickwork rebuilt on chimney stack

showing replacement corbelling and clay pot fitted correctly



evidence of the top of stack flaunched in cement mortar

showing flaunching work to top stack showing top of stack flaunched in cement mortar

showing flaunching to the top of the stack is to sufficient fall, but there are trowel marks



rectification of error of trowel marks showing rectification to trowel marks before completion



Video 4 TC: Video evidence of gauging coloured mortar

https://1drv.ms/v/s!Alx3sne-m16pgpx1eTTVbpqpbc-mYg?e=ZP21Rb

Timestamp	Observation
0:00 – 2:44	Gauging and mixing lime and sand at a ratio of 1:5
2:45 – 5:14	Adding water to sand/lime mix (measured quantities) and mixing to workable consistency
5:15 – 8:59	Gauging colour additive, adding and mixing to ensure consistency and colour

Note: Video details mortar for the jointing correctly gauged and mixed to a regular consistency, texture correct but a slight colour variation to the existing structure.

For reference, gauging colour error also detailed as photograph below to support video evidence.

Evidence description	Photo
Showing mortar consistency and texture correct but slight colour variation to existing mortar	

evidence of the face of the stack once jointed

showing completed stack once jointed showing face of stack jointed

Face repointed but two perpendicular joints were not completed prior to all the bed joints, leaving two joints with inconsistent edges.

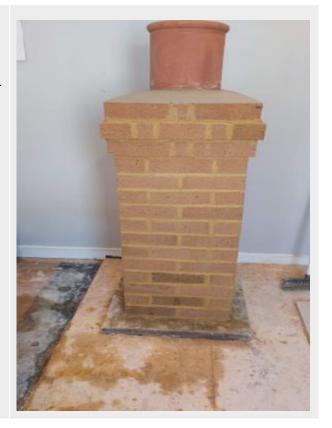


showing close up of 2 perpendicular joint error



showing completed face of stack once jointed

showing face of stack completed to a good standard bar minor error in 2 perpendicular joints, correctly replaced brick and slight colour mismatch of old and new mortar



Evidence of the finished repair from top and side elevation showing completed repair of chimney showing completed repair work – finished to a good standard with miner errors on

showing completed repair work – finished to a good standard with minor errors as detailed in the colour of mortar and jointing.





3.3. Guidance on the exemplar marking

Within this standardisation pack, a partially completed CRF form has been provided that outlines how an assessor has awarded marks against the candidate evidence for a number of the assessment themes.

For the purposes of these materials the Marking Grids used can be found in the Sample Assessment Materials here.

For exemplification purposes, an explanation of how the marker has determined the mark to be awarded is provided, this exemplary document showing

- How the marker has first considered the marking bands available and determined within which band the evidence best fits
- Subsequently, consideration within the determined band and justification for the mark to be awarded within that band.

3.4. Candidate Record Form (CRF) – Bricklaying (8711-305)

Candidate name	Candidate number
Candidate B	CG12345
Centre name	Centre number
City & Guilds	123456

Marker Notes – Please always refer to the relevant marking grid for guidance on allocating marks and make notes which describe the quality of the evidence and justification of marks. Expand boxes as required

Health and safety								
	Band 1		Band 2		Band 3			
	1	2	3	4	5	6		
Band	Band justific	cation						
2	The candidate has demonstrated that they have exceeded the requirements of the lowest marking band through safe demonstration of work practices, and through consideration of risks beyond a limited level.							
	The candidate response does not meet the requirements of the third marking band as the evidence lacks detail in relation to any mitigating factors considered, as well as noted omissions in the risk assessment process.							
	Therefore, the mark to be awarded sits within the middle marking band.							
Mark	Mark justification							
3	The risk assessment covers a good range of hazards and health and safety procedures have been followed during the preparation period and whilst working on the practical tasks, although there is no evidence of wearing protective glasses whilst cutting bricks. The risk assessment does not identify all of the associated risks and also does not consider the risk factors to allow the demonstration of understanding in implementing control measures and therefore reducing the risk rating.							
	Due to the reasons outlined here –the response has been determined to be at the lower end of the middle marking band and a mark of 3 has been awarded.							
Design and planning - Documents								
	Band 1 Band 2 Band 3							
	3	2	3	4	5	6		
Band	Band justification							

The planning documents for setting the panel out are free form inaccuracies and the tools and materials lists contain more than just the basic requirements so the mark is above the requirements for band 1.

Not all of the planning documents are available and some are not comprehensive so the candidate would not achieve a mark in band 3.

Mark Notes and justification

The planning documents are clear and have some good detail and are sequenced and this demonstrates some accurate technical knowledge. There is little consideration of the justification and reasoning of the processes listed in the method statement and the method statement has omissions such as the disposal of wate and there was also little justification of linking the method to the task and no Bill of Quantities has been provided so the mark awarded is to the lower end of the middle band.

Construct complex masonry structures – Construct

Band 1		Band 2			Band 3						
1	2	3	4	5	6	7	8	9	10	11	12

Band | Band justification

The candidate has exceeded the requirements of band 1 with correct layout and preparation of the area and appropriate tool selection and with accurate cutting and shaping, however cutting was not without error and there are minor lapses and minor defects so the candidate does not achieve a mark in band 3.

Mark | Mark justification

7

Correct preparation and lay out of work area, with only minor inaccuracies in placement of tools and equipment. Overall preparation is efficient for completing the work, though materials and spot boards could be closer to the working area. Tools and material selection is appropriate, and they are handled to application most if the time.

Cutting is mostly accurate with some minor lapses, which has a slight effect on the overall quality and appearance of the finished product. Shaping is mostly accurate with minor errors. Work is completed with minor some errors and minimal defects that do not affect the overall finish and the work is a round representation of the specification requirements, so a mark towards the higher middle of the band 2 has been achieved.

Internal assessor name	Date
Internal assessor signature	

Total mark	
*/90	

* Please Note that the Total Ma Themes	rk (90) applies to tl	ne full assignment in	cluding all Assessment



Contact us

Giltspur House 5-6 Giltspur Street London EC1A 9DE general.enquiries@cityandguilds.com
01924 930 801
www.cityandguilds.com

About City & Guilds

Since 1878 we have worked with people, organisations and economies to help them identify and develop the skills they need to thrive. We understand the life changing link between skills development, social mobility, prosperity and success. Everything we do is focused on developing and delivering high-quality training, qualifications, assessments and credentials that lead to jobs and meet the changing needs of industry.

We work with governments, organisations and industry stakeholders to help shape future skills needs across industries. We are known for setting industry-wide standards for technical, behavioural and commercial skills to improve performance and productivity. We train teams, assure learning, assess cohorts and certify with digital credentials. Our solutions help to build skilled and compliant workforces.

Every effort has been made to ensure that the information contained in this publication is true and correct at time of going to press. However, City & Guilds' products and services are subject to continuous development and improvement and the right is reserved to change products and services from time to time. City & Guilds cannot accept responsibility for any loss or damage arising from the use of information in this publication.

©2022 The City & Guilds of London Institute. All rights reserved. City & Guilds is a trademark of the City & Guilds of London Institute, a charity registered in England & Wales (312832) and Scotland (SC039576).