T Level Technical Qualification in Onsite Construction

Bricklaying (8711-35) (305)

Assessor Pack

Practical Assignment - Sample





Version and date	Change detail	Section
1.1 Jan 2021	Minor amendment to Band descriptors	Marking Grid (Health and Safety)
1.1 Jan 2021	Removal of "use of tools" in what must be produced for marking	Task specific guidance – Additional evidence of candidate performance that must be captured for marking: Assessor Observation
		Task 2 Pg. 17 and Task 3 Pg. 18
1.1 Feb 2021	Small addition to detail minor hazards In the health and safety Indicative content section	Marking Grid (Health and Safety) Indicative content section

Contents

Assessment	∠
Performance outcomes	5
Grade descriptors	ε
Assignment brief	9
Tasks	12
Task specific guidance	15
Task 1 – Prepare and plan for the construction and repair of complex masonry structures	15
Task 2 – Construct complex masonry structures	17
Task 3 – Renovate and repair masonry structures	18
Centre guidance	19
Marking grid guidance	25
Marking grid	
Declaration of authenticity	44

Assessment

The assessment for this component consists of a practical assignment that includes a project brief and then a number of tasks for the candidate to complete. The tasks set produce assessment themes that cover a range of knowledge and skills from the performance outcomes in the qualification specification. They are designed to allow judgement of the candidate to be made across different categories of performance.

The assessment for this component has been allocated a set number of marks against each task, based on weightings recommended by stakeholders of the qualification. This mark allocation remains the same for all versions of the assessments, ensuring consistency across assessment versions and over time.



Performance outcomes

The weightings for each performance outcome will remain the same for every version of the practical assignment. This ensures the appropriate depth and breadth of knowledge and skills for each specialism can be reliably assessed in every version and meets the needs of industry while keeping comparability between each assessment over time.

Performance outcome	Typical knowledge and skills	Weighting
Prepare and plan for the construction of complex masonry structures	Displays knowledge and practical skills to identify information requirements from a brief. This information is used to calculate length, heights, and openings, produce scaled drawings, and designs ready for the construction of complex masonry structures. Develop material lists, risk assessments and method statement, demonstrating correct sequencing of tasks and prepares tools and equipment for use. Demonstrates the skill to extract brief requirements and communicate plans to stakeholders effectively.	27%
Construct complex masonry structures	Demonstrates the knowledge and skills to operate tools and equipment for masonry tasks. Can carry out geometrical calculations and produce complex shapes. Maintains line level, plumb, and axial deviation. Construct complex masonry structures in a logical sequence with consideration of protection to area and product. Apply joint finish to masonry structures half round/flush weathered. Classify and organise waste for disposal.	57%
Renovate masonry structures	Demonstrates the knowledge and skills to repair and maintain masonry structures according to specification. Assess suitable information for efficiency and sufficiency Inspect masonry for damage and carry out repairs. Repoint defective mortar joints to specification. Mix mortar to application requirements. Match existing materials Maintain the integrity of masonry structures and blend new products to match existing products.	16%

Grade descriptors

To achieve a pass (threshold competence), a candidate will be able to:

Demonstrate an acceptable performance that meets the requirement of the brief, demonstrates the adequate technical skills and techniques for planning preparing, and carrying out the work to industrial standards including level plumb and gauge, quality of finish and is able to enter the industry to begin to work in the occupational area.

They will be able to interpret information, demonstrate planning and presentation skills, assess risk, and follow safe working methods when applying practical skills to an acceptable standard as recognised by industry.

Demonstrate basic knowledge and understanding of the principles and processes required for building complex masonry. They will work safely showing an understanding in the selection and use of tools and equipment and demonstrate a basic awareness of setting up and carrying out the work

Attempt some complex tasks and the level of performance mostly meets an acceptable level.

Identify routine causes of masonry faults and have some knowledge and skills in how to rectify them.

Work collaboratively within sound working relationships.

Attempt some complex tasks and the level of performance meets an acceptable level.

Communicate with stakeholders building sound working relationships to support the planning and execution of a brief.

Mostly use industrial terminology accurately in both written and verbal contexts.

To achieve a distinction a candidate will be able to:

Demonstrate an exemplary performance that fully meets the requirement of the brief, demonstrating exemplary technical skills and techniques for planning, preparing, setting out and constructing complex masonry to industry standards including level plumb and gauge, quality of finish and is able to enter the industry to begin to work in the occupational area.

They will demonstrate relevant and comprehensive knowledge and understanding of complex masonry principles and processes through the tasks completed. They will work safely and make informed and appropriate use of tools, materials, and equipment within the construction environment that they are operating.

Competently and independently, they will interpret information, demonstrate excellent planning, assess risk, and follow safe working methods when applying the technical skills to practical tasks and procedures.

Carry out tasks to an exemplary standard as recognised by industry, producing an excellent quality of work that meets acceptable tolerances, regulations, and standards. Solution focussed, confidently diagnosing complex tasks and faults in masonry. They will be able to accurately research, identify and rectify issues independently. Communicate with stakeholders building excellent working relationships to support the planning and execution of a brief.

Consistently use industry terminology appropriately in both written and verbal contexts.

Assignment brief

You are an employee of TMC Construction Ltd, a local construction company and you have been commissioned by a new client to work on a construction project at a historic property. The work includes providing a design for a decorative brick panel, constructing a sample panel designed by the client and the refurbishment and repair of an existing chimney.

You have a period of four days (24 hrs) for this work, and the client has provided the following Instructions:

- a) Design and draw a complex decorative panel for the client to consider incorporating into a new section of the garden wall as part of the ongoing construction work on the property. The drawing should be produced to a suitable scale and include a specification for the type and quantity of materials, and joint finishes.
- b) The client has requested the construction of a sample panel according to their specification, to demonstrate the quality and type of finish of the work, before commencing on the full construction.

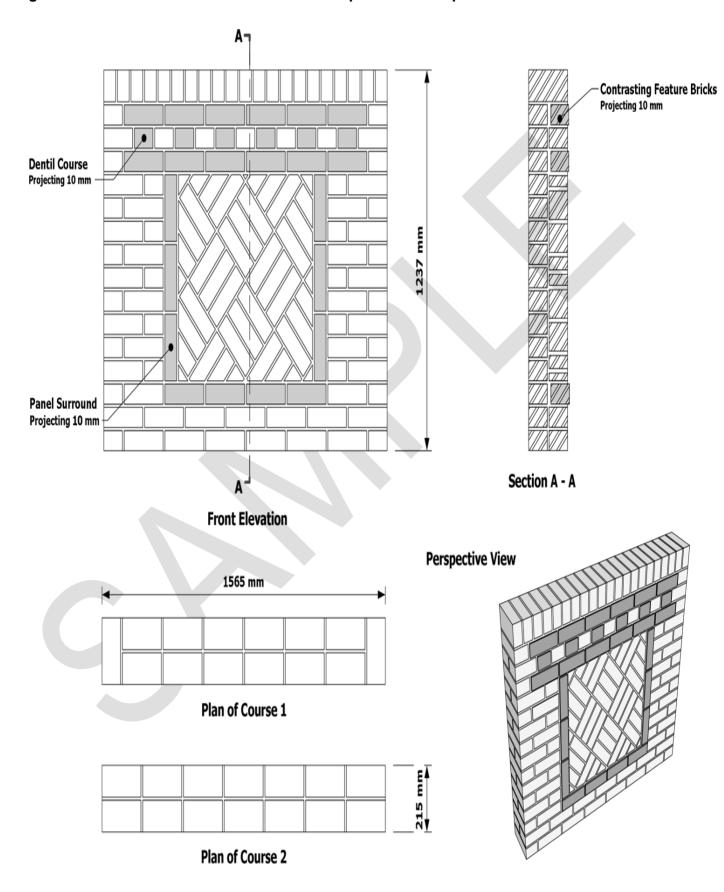
The client has requested that the sample panel is constructed using the drawing (as detailed in Figure 1) and with specification as follows:

- Wall to be one brick thick
- The client has asked you to decide and execute your decision on the contrasting brick colour and suitable joint finishes
- Features to project as shown on the drawing



Figures for the assignment brief requirements:

Figure 1. Details for the construction of the sample decorative panel



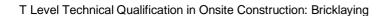
c) One of the existing chimneystacks in the main building is in need of repair, you need to replace the chimney pot, and the flaunching, replace a defective brick in the stack and re point one face of the stack to match the original finish.

Specifications:

- Top of stack: New clay pot to be fitted to the existing chimney
- Select suitable materials to repair the masonry
- Flaunching: Top of stack to be flaunched in cement mortar
- Jointing: Face of stack to be jointed in weather struck jointing with a coloured mortar

(The chimneystack is pre-constructed and will be at ground level)

This assignment has a time allocation of 24 hours.



Tasks

Please read ALL information carefully before the assessment.

Ensure you have read the following guidance before you undertake the assessment of candidates:

- T level technical qualifications marking
- T level technical qualifications moderation (updated annually)
- T level technical qualifications teaching, learning and assessment
- Technical qualification guides on marking and moderation
- Practical Observation template
- Mark grids following the tasks below
- Feedback guidance for assessors

General task guidance

Centres have to meet the specification given in **Figure 1** as a minimum. If they are unable to implement or facilitate this specification, they must contact City & Guilds.

All work carried out should be to industry standards, done in a safe manner and compliant with building regulations. If a candidate fails to carry out the activities in a safe manner, the assignment should be suspended until this aspect is corrected.

Photographs must be used to support the qualitative statements captured on the PO form. Details of specific photograph requirements are outlined in the task information below. Photographs must have the date and candidate's name attached so that they can be differentiated. The candidate does not need to be in the photograph, the purpose of the photograph is to demonstrate the quality and standards of work of specific activities and of the work throughout various stages of the assignment.

Time

The time allocated for the completion of the tasks and production of evidence for this assessment is 24 hours. Timings for completion of specific tasks are outlined below.

- Task 1 5 hours
- Task 2 15 hours
- Task 3 4 hours

Setting and drying are not included in the times allocated.

Resources

Candidates must have access to a suitable range of resources to carry out the tasks and, where appropriate, to have the opportunity to choose materials demonstrating the ability to select from a range of appropriate materials. The centre should allow a 10% wastage for each candidate for any materials required.

The candidate should have a range of the following to be able to complete the tasks:

- Manufacturer's instructions
- PPE
- Access equipment
- Protective coverings including dust sheets etc.
- Measurement equipment
- Mixing equipment/shovel and buckets
- Lump Hammer and Bolster
- Brick Hammer
- Tabletop saw/mechanical saw
- Level and square
- · Line and pins

The assessment area must also contain the following:

Mixing area, access, and waste disposal area

Materials

Decorative panel

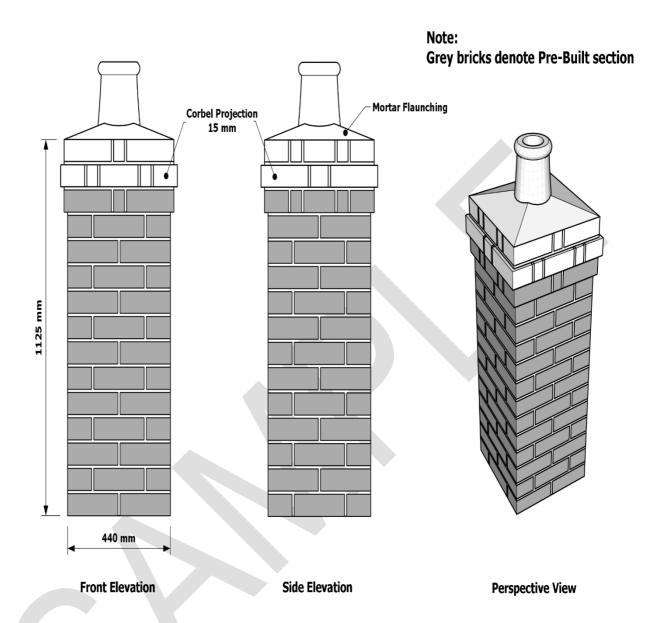
- 220 quality facing bricks
- 30 contrasting bricks (candidates should be given a choice of 4 types of bricks to select a suitable contrast)
- Training mortar

Chimney stack

- 12 facing bricks
- Training mortar
- Mortar colour

The chimney stack is to be pre-constructed at ground level on a solid floor to allow the candidates to repair the chimney as described in the assignment brief and in the tasks section.

Diagram of chimney stack to recreate as part of the assessment is on the following page:



Task specific guidance

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

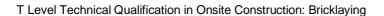
What must be produced for marking:

- 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

Centre guidance

Guidance provided in this document supports the administration of this project.

The following documents, available on the City & Guilds website, provide essential generic guidance for centres delivering Technical qualifications and **must** be referred to alongside this guidance:

- T level technical qualifications marking
- T level technical qualifications moderation (updated annually)
- T level technical qualifications teaching, learning and assessment

This synoptic assessment is designed to require the candidate to make use of their core knowledge, understanding and the practical skills they have built up over the course of their learning to tackle tasks/problems/challenges.

This approach to assessment emphasises to candidates the importance and applicability of the full range of their learning to practice in their industry area and supports them in learning to take responsibility for transferring their knowledge, understanding and skills to the practical situation, fostering independence, autonomy and confidence.

Candidates are provided with an assignment brief. They then have to draw on their knowledge and skills and independently select the correct processes, tools, equipment, materials, and approaches to take, to complete the brief.

During the learning programme, it is expected that tutors will have taken the opportunity to set shorter, formative tasks that allow candidates to be supported to independently use the learning they have so far covered, drawing this together in a similar way, so they are familiar with the format, conditions and expectations of the synoptic assessment.

Candidates should be made aware during learning what the assessment themes are and how they are implemented in marking the assignment, so they will understand the level of performance that will achieve them high marks.

Candidates should not be entered for the assessment until the end of the course of learning for the qualification, so they are in a position to complete the assignment successfully.

Health and safety

Candidates must not be entered for assessment without being clear of the importance of working safely and having attended sufficient practical training to be able to work safely. The assessor must immediately stop an assessment if a candidate works unsafely. At the discretion of the assessor, depending on the severity of the incident, the candidate may be given a warning. If they continue to work unsafely, risking the safety of themselves or others however, their assessment must be ended, and they must retake the assessment in a future series after significant further training has taken place.

Compliance with timings

Due to the nature of this assessment, the maximum time allowances provided must be adhered to. They refer directly to assessment time, not any additional setting up or drying times the centre needs to create an appropriate assessment environment.

It is the centre's responsibility to plan sufficient assessment sessions, under the appropriate conditions, within the assignment window, to allow candidates reasonable time to complete the assessment tasks.

Where candidates are required to plan their work, they should have their plans confirmed for appropriateness in relation to the time allocated for each task.

Candidates should be allowed sufficient time to fully demonstrate the range of their skills, however this also needs to be reasonable and practicable. Candidates should be allowed to overrun their planned timings or professional service times (where they exist) in order for evidence of a range of their skills to be captured. If, however, the time required exceeds reasonably set assessment periods, or the tolerance suggested for professional service times, the centre may stop the assessment and base the marking on the evidence up to that point, including the tutor's notes of how far over time the task has taken.

Assessor student ratios

The number of candidates a tutor will be able to observe at one time will vary depending on:

- the complexity of evidence collection for the task
- local conditions e.g. layout of the assessment environment,
- amount of additional support available (e.g. to capture image/ video evidence), staggered starts etc.,
- whether there are any peak times where there is a lot of evidence to collect that will need additional support or any that are quieter.

It is advisable to trial the planned arrangements where possible during formative assessment, reviewing the quality of evidence captured and manageability. It is expected that for straight forward observations, (and unless otherwise specified) no more than six candidates will be observed by a single tutor at one time, and the number will usually be fewer than this maximum. The key factor to consider is the logistics of collecting sufficient evidence.

As far as possible, candidates should not be distracted, or their performance affected by the process of observation and evidence collection.

Observation evidence

Observation notes form part of the candidate's evidence and must capture evidence of student performance during the practical tasks describing how well the activity has been carried out, rather than stating the steps / actions, the candidate has taken. The notes must be very descriptive and focus on the quality of the performance that are notable in relation to the quality indicators in the marking grid. They must provide sufficient, appropriate evidence that can be used by the marker (and moderator) to mark the performance using the marking grid. These descriptions will be used, along with e.g. photographic and video evidence to choose the relevant marking band and mark within the band so that students can be reliably and validly differentiated based on their performance. Observation evidence captured in these forms must give the necessary information to enable the final assessment of the task at a later date. This is to allow a holistic judgement to be carried out after all evidence for the task is available, at which point full consideration of how the student has applied both their skills and their knowledge during the practical can be given.

Identifying what it is about the performances that is different between candidates can clarify the qualities that are important to record. Each candidate is likely to carry out the same steps, so a checklist of this information would not help differentiate between them. However, qualitative comments on how well they do it, and quantitative records of accuracy and tolerances would.

The tutor should refer to the marking grid to ensure appropriate aspects of performance are recorded. These notes will be used for marking and moderation purposes and so must be detailed, accurate and differentiating.

Tutors should ensure that any required additional supporting evidence including e.g. photographs or video can be easily matched to the correct candidate, are clear, well-lit and showing the areas of particular interest in sufficient detail and clarity for assessment (i.e. taken at appropriate points in production, showing accuracy of measurements where appropriate).

If candidates are required to work as a team, each candidate's contribution must be noted separately. The tutor may intervene if any individual candidate's contribution is unclear or to ensure fair access (see below).

Assessor marking and justification is completed on a separate form (CRF) to differentiate this evidence from the judgement, since in some cases the observation form will, in some cases, provide evidence relating to the judgement for more than one assessment theme.

The **Technical qualifications guides on marking and moderation** are essential guidance documents and are available on the City & Guilds website. These provide further information on preparing for assessment, evidence gathering, standardisation, marking and moderation, and must be referred to when planning and carrying out assessment.

Video and photograph evidence in T Level Technical qualifications

The assessment materials for each synoptic assignment identify the minimum candidate and assessor evidence requirements to support marking and moderation. Where ephemeral evidence (e.g. areas of candidate performance that may be hard to capture with photographs and assessor notes alone) plays a significant part of the synoptic practical assessment. If this is the case City & Guilds will prescribe the type/capture where the use of video is necessary for practical assessment components (e.g. specifying exactly which elements of the practical must be videoed, or photographed), and any technical specifications for these forms of evidence e.g. length of videos, maximum file sizes etc will also be supplied. Photographic and video evidence will be submitted along with the written candidate evidence and tutor evidence (Practical Observation forms) as described in the additional evidence section of the task

Video evidence must meet these minimum requirements, in order to be considered by moderators:

- As per the guidance in section 2.3.2 of The Marking and Moderation Guide for Centres, tutors
 must ensure that this evidence can be easily matched to the correct candidate and task, is
 clearly shot, well-lit and shows the areas of particular interest in sufficient detail and clarity for
 assessment (i.e. filmed at appropriate points in production, showing accuracy of measurements
 where appropriate).
- The qualitative written evidence provided by tutors must
 - clearly identify the parts of the video that are being referred to, when used as supporting evidence. Using a timecode for this is recommended.
 - include their judgement on the performance being demonstrated
- Section 6.5 of the Centre Manual also contains general information about the requirements for video evidence submission, however for Technical Qualifications videos must be no longer than 5 minutes long.

Please note that where video evidence is unclear, or does not meet these minimum requirements, moderators will disregard it.

Minimum evidence requirements for marking and moderation

The sections in the assignment:

- What you must produce for marking, and
- Additional evidence of your performance that must be captured for marking

These list the minimum requirements of evidence to be submitted for marking and the moderation sample.

Evidence produced during assessment above and beyond this may be submitted, as long as it provides useful information for marking and moderation and has been produced under appropriate conditions.

While technological methods which support the capturing or creating of evidence can be helpful e.g. pin board style websites for creating mood boards, the final evidence must be converted to a suitable format for marking and moderation which cannot be lost/ deleted or amended after the end of the assessment period (e.g. screen prints, pdf files). Considerations around tracking authenticity and potential loss of material hosted on such platforms during assessment is the centre's responsibility.

Note: Combining candidates' individual pieces of evidence into single files or zip files may make evidence management during internal marking more efficient and will greatly simplify the uploading of the moderation sample.

Where the minimum requirements have not been submitted for the moderation sample by the final moderation deadline, or the quality of evidence is insufficient to make a judgement, the moderation, and therefore any subsequent adjustment, will be based on the evidence that *has* been submitted. Where this is insufficient to provide a mark on moderation, a mark of zero may be given.

Preparation of candidates

Candidates should be aware of which aspects of their performance will give them good marks in assessment. This is best carried out through routinely pointing out good or poor performance during the learning period, and through formative assessment.

During the learning programme, direct tutor instruction in how to approach tasks through modelling, support, guidance, and feedback are critical. However, gradual removal of this support is necessary in preparation for summative assessment. This supported approach is not valid for summative assessment.

The purpose of summative assessment is to confirm the standard the candidate has reached as a result of participating in the learning process. Candidates should be encouraged to do the best they can and be made aware of the difference between these summative assessments and any formative assessments they have been subject to. Candidates may not have access to the full marking grids. Refer to the *T Level Technical qualifications* – *teaching, learning and assessment* centre guidance document, available on the City & Guilds website for further information on preparing candidates for Technical qualification assessment.

Guidance on assessment conditions

The assessment conditions that are in place for this synoptic assignment are to:

- ensure the rigour of the assessment process
- provide fairness for candidates
- give confidence in the outcome.

They can be thought of as the rules that ensure that all candidates who take an assessment are being treated fairly, equally and in a manner that ensures their result reflects their true ability.

The conditions outlined below relate to this synoptic assignment. These do not affect any formative assessment work that takes place, although it is advised that candidates are prepared for the conditions they will need to work under during summative assessment.

The evidence for the tasks that make up this synoptic assignment must be completed under the specified conditions. This is to ensure authenticity and prevent malpractice as well as to assess and record candidate performance for assessment in the practical tasks. Any aspect that may be undertaken in unsupervised conditions is specified. It is the centre's responsibility to ensure that local administration and oversight gives the tutor sufficient confidence to be able to confirm the authenticity of the candidate's work.

Security and authentication of candidate work

Candidate evidence must be kept secure to prevent unsupervised access by the candidate or others. Where evidence is produced over a number of sessions, the tutor must ensure learners and others cannot access the evidence without supervision. This might include storing written work or artefacts in locked cupboards and collecting memory sticks of evidence produced electronically at the end of each session.

Candidates are required to sign declarations of authenticity, as is the tutor. The relevant form is included in this assignment pack and must be signed after the production of all evidence.

Where the candidate or tutor is unable to or does not confirm authenticity through signing the declaration form, the work will not be accepted at moderation and a mark of zero will be given. If any question of authenticity arises e.g. at moderation, the centre may be contacted for justification of authentication.

Accessibility and fairness

Where a candidate has special requirements, tutors should refer to the *Access arrangements and reasonable adjustments* section of the City & Guilds website.

Tutors can support access where necessary by providing clarification to any candidate on the requirements or timings of any aspect of this synoptic assignment. Tutors should not provide more guidance than the candidate needs as this may impact on the candidate's grade, see the guidance, and feedback section below.

All candidates must be provided with an environment, time frame and resources that allows them reasonable access to the full range of marks available.

Where candidates have worked in groups to complete one or more tasks for this synoptic assessment, the tutor must ensure that no candidate is disadvantaged as a result of the performance of any other team member. If a team member is distracting or preventing another team member from fully demonstrating their skills or knowledge, the tutor must intervene.

Guidance and feedback

To support centre file management, tutors may specify a suitable file format and referencing format for evidence (unless otherwise specified e.g. if file naming is an assessment point for the assignment). Guidance must only support access to the assignment brief and must not provide feedback for improvement. The level and frequency of clarification & guidance must be

- recorded fully on the candidate record form (CRF),
- taken into account along with the candidate's final evidence during marking
- made available for moderation.

Tutors must not provide feedback on the quality of the performance or how the quality of evidence can be improved. This would be classed as malpractice. However, this does not apply if the tutor asks questions as part of the assessment process. Such requirements will be specifically stated within task centre guidance.

Tutors should however provide general reminders to candidates throughout the assessment period to check their work thoroughly before submitting it, and to be sure that they are happy with their final evidence as it may not be worked on further after submission.

Candidates can rework any evidence that has been produced for this synoptic assignment during the time allowed. However, this must be as a result of their own review and identification of weaknesses and not as a result of tutor feedback. Once the evidence has been submitted for assessment, no further amendments to evidence can be made.

Tutors should check and be aware of the candidates' plans and designs to ensure management of time and resources is appropriate, and so any allowed intervention can take place at an appropriate time.

Tutors should ensure that candidates' plans for completion of the tasks distribute the time available appropriately and may guide candidates on where they should be up to at any point in a general way. Any excessive time taken for any task should be recorded and should be taken into account during marking if appropriate.

It is up to the marker to decide if the guidance the candidate has required suggests they are lacking in any performance outcome, the severity of the issue, and how to award marks on the basis of this full range of evidence. The marker must record where and how guidance has had an impact on the marks given, so this is available should queries arise at moderation or appeal.

What is, and is not, an appropriate level of guidance

- A tutor should intervene with caution if a candidate has taken a course of action that will result in them not being able to submit the full range of evidence for assessment. However, this should only take place once the tutor has prompted the candidate to check that they have covered all the requirements. Where the tutor has to be explicit as to what the issue is, this is likely to demonstrate a lack of understanding on the part of the candidate rather than a simple error, and full details should be recorded on the CRF.
- The tutor should not provide guidance if the candidate is thought to be able to correct the issue
 without it, and a prompt would suffice. In other words, only the minimum support the candidate
 actually needs should be given, since the more tutor guidance provided, the less of the
 candidate's own performance is being demonstrated and therefore the larger the impact on the
 marks awarded.
- A tutor must not provide guidance that the candidate's work is not at the required standard or how to improve their work. In this way, candidates are given the chance to identify and correct any errors on their own, providing valid evidence of knowledge and skills that will be credited during marking.
- The tutor must not produce any templates, pro-formas, work logs etc unless instructed to in the assignment guidance. Where instructed to do so, these materials must be produced as specified and contain no additional guidance. Templates provided, as part of the assignment should be used as provided, and not adapted.

All specific prompts and details of the nature of any further guidance must be recorded on the relevant form and reviewed during marking and moderation.

Guidance on marking

Please refer to the *T Level Technical qualifications – marking,* and *- moderation* centre guidance documents for further information on gathering evidence suitable for marking and moderation, and on using the marking grid and forms.

The candidate record form (CRF) is used to record:

- Details of any guidance or the level of prompting the candidate has received during the assessment period
- Rough notes bringing together relevant evidence from across tasks during marking.
- Summary justifications when holistically coming to an overall judgement of the mark for each performance objective and overall.

The practical observation form (PO) is used to record:

• Descriptive information and evidence of candidate performance during an observation.

Marking grid guidance

Carrying out marking using assessment themes

The process of marking each assessment theme is iterative and should follow the process below which will become more spontaneous over time as the descriptors become familiar. It is recommended to refer back to these frequently however, so the standard does not unintentionally drift over the marking period.

The indicative content gives an indication of the expected content parameters the responses are likely to cover, and which aspects of the evidence are relevant. It is not exhaustive, and an acceptable answer may concentrate more on depth rather than fully cover the range indicated or deviate into relevant topics not listed.

The specific task evidence listed within the assessor guide and marking grid must be used to make a judgement on performance in relation the specific assessment theme.

The assessment tasks guide the production of valid evidence under appropriate conditions for assessment. Candidate evidence from a range of tasks may contribute to the marking of a single assessment theme, or from a single task to more than one assessment theme. In this case different aspects of the evidence are being considered for each theme and need to be judged against the marking descriptors specified in the assessment themes independently of each other.

In some cases, the quality indicators looked for in the judgement may naturally be more strongly evidenced in one piece of evidence than another. For instance, more formulaic/prescriptive forms of evidence may not be able to generate evidence of higher levels of performance, so this evidence would need to be looked for in the other forms of evidence. This means that where a range of evidence is to be assessed, it should be treated as a single package of evidence for the purposes of marking even if generated through different tasks.

Timing of marking

As some assessment themes require the triangulation of a number of pieces of evidence, marking cannot take place until after all of these are available. This does not however mean that all marking needs to take place after all candidates have completed the whole assessment.

Also, it is possible to begin recording the notes that will justify the marking for some assessment themes as evidence is produced, with the final mark only being decided once the complete array of evidence is available. This is particularly the case if later evidence is more confirmatory, and the earlier evidence is sufficiently informative for the qualities being assessed to make this a useful exercise.

Through planning, it should be possible to identify any evidence that can start being reviewed earlier, and the assessment themes which could be scheduled for earlier completion of marking e.g. while observation evidence is fresh in the mind should this be helpful. Care must of course be taken to ensure any evidence required by candidates to progress with another task are available for that task to take place. In addition, it is recommended that a sense check across marking for each assessment theme, and across assessors, is carried out at the end to ensure marking has not drifted during the period. This may take the form of comparing candidate work to check that the ranking of quality of evidence matches the ranking of marks – where there are discrepancies marking should be checked for accuracy.

Also, the highlighted in the below needs to be included.

Process for each assessment theme:

- Select the range of evidence relevant for making the judgement this is indicated in the mark scheme for each assessment theme.
- Scan / read the candidate evidence, evidence captured by the assessor and the indicative content & band descriptors in the mark scheme.

Process for each assessment theme:

- Select the range of evidence relevant for making the judgement this is indicated in the mark scheme for each assessment theme.
- Scan / read the candidate evidence, and the indicative content & band descriptors in the mark scheme.
- Make an initial assessment of the required evidence as a whole, considering each band in turn to make a balanced judgement of the best band to use it as a starting point.
- Read the evidence and review it against the band descriptor in more detail, deciding if the response is securely sitting within the band, i.e. all quality characteristics described by the band descriptor are seen, and strongly meets the level of performance described by the descriptor holistically (i.e. across the range of relevant evidence).
 - Check the descriptor for the level above
 - If the evidence clearly shows some of the characteristics of the higher band, select a suitable mark at the bottom of that band
 - If not showing characteristics of the higher band revert to the original band, select a mark at the higher end of that mark range

If the response is not securely in the band, but *is partially* showing the characteristics of the band,

- check the descriptor of the level below.
- decide on a suitable mark either at the bottom of the original band as some characteristics shown, or top of the lower band if it better describes the quality of the characteristics being shown.
- If the response is largely meeting the band, with only a few concerns, and is not showing characteristics aligning with the higher or lower bands, the appropriate mark is likely to be in the middle range.
- If there is no alignment with the descriptor, reassess the starting band, and begin again.
- Based on the level of alignment with the descriptor, confirm the final mark within the band, bearing in mind that the available marks form an evenly distributed scale:
 - If the quality of response fully aligns with the performance described by the descriptor assign a high mark within the band
 - If the quality of the response *partially* aligns with the performance described by the descriptor assign a low to medium mark within the band

Consider the quality compared to a range of similar responses (e.g. relevant annotated training material exemplars, responses reviewed during standardisation, and through experience) choose a mark on the point on the scale that would give an appropriate ranking for the assessed piece of evidence in relation to this information and in comparison with that of the rest of the cohort for that assessment theme.

Marking grid

There is a marking grid for each assessment theme that must be assessed as part of this occupational specialism assessment.

Assessment Theme: Health and Safety

Note: where there is insufficient evidence to award a mark, a zero mark may be given	Band 1 descriptor	Band 2 descriptor	Band 3 descriptor	Total marks per sub assessment theme	Total marks per assessment theme	
Indicative	Typical knowledge, underst	anding and skills:				
content	To produce a risk assessment and risk management plan for all the tasks. Identify the main risks and hazards for each task and detail the mitigations that will be used to reduce the risks and hazards and identify low risk hazards that may occur during the task(s) and mitigate for these as they arise. Follow the risk plan through the tasks.					
	Maintain a tidy work area thro	ughout the tasks.				
	Correct PPE is identified and worn at all times and as designated in their risk assessment plans (If unsafe working occurs the assessment is to be stopped immediately).					
			plan, adjust it correctly if require	•	•	

Marks per band	1-2	3-4	5-6	6
	Risk assessment is complete and covers the key risk/hazard factors.	Risk assessment is complete and covers a good range of risk/hazard factors.	Risk assessment is complete, detailed and clearly identifies all the associated risk/hazard factors.	
	Risk mitigation methods are limited. Likelihood against probability has been attempted but lacks reasoning.	Risk mitigation methods have been identified for some of the potential risks/hazards, but not all.	Risk mitigation methods are detailed and have been clearly identified for all potential risks/hazards.	
	Health and safety is followed during preparation and throughout tasks so that all work is completed safely but when working some low-risk hazards were missed.	Consideration is given to potential for harm and probability factors. Health and safety is followed during preparation and throughout tasks and all work completed safely.	Potential for harm and probability factors have been identified throughout. Health and safety is followed during preparation and throughout tasks and all work completed safely. Risks and hazards that occur during the tasks are correctly mitigated against as they are arise.	

Guidance for markers

Evidence from Task 1.2 and 3 should be used to assess performance against this assessment theme.

Task 1

Risk Assessment

Task 2

Assessor observation

• Following safe procedures for construction of complex masonry structures

Task 3

Assessor observation

• Following safe procedures for the repair of masonry structures



Assessment theme: Design and planning

Note: where there is insufficient evidence to award a mark, a zero mark may be given	Band 1 descriptor	Band 2 descriptor	Band 3 descriptor	Total marks per sub assessment themes	Total marks for assessment theme		
Indicative	Typical knowledge, understa	anding and skills:					
	The method statements should sequencing. It should also contimeliness and the quality of the The material list and should cobrief and the bill of quantities in Take measurements from an anof the work. Use measurements	omprise a list of all required materials re nclude quantities of materials re allocated space/work area and u ts to calculate the quantities of r	ning for all the tasks being carropriate to specification brief short erials, tools and equipment need quired with costings, using according the information gathered to material required for the tasks.	ied out, with logic owing attention to ded to meet the urate terminolog complete a scale	ically so specification gy. ed drawing		
	Plan and design complex masonry constructs - produce a sample decorative panel design to a suitable scale with details of decorative features and types of materials with rationale for choice and showing an accurate representation of the specification requirements.						

Marks per band	1-2	3-4	5-6	6	12
Documents	Planning documents are brief and show minor inaccuracies in technical knowledge. The tasks have been set out but with some	Planning documents are clear with good detail and demonstrate accurate technical knowledge. The tasks have been set out in a	Planning documents are thorough, detailed and demonstrate comprehensive technical knowledge and the tasks		
	inaccuracies in sequencing.	logical sequence.	are set out in a logical order.		
	Any justifications and reasoning are given in isolation and do not clearly link to the tasks.	Justification and reasoning are provided linking to the tasks, with only minor gaps.	Comprehensive justifications and reasoning are given and link directly to the tasks.		
	Tools, equipment, and materials list is bullet pointed displaying key components required to	Tools, equipment, and materials list is clear and logical and identifies most of the components required to	Tools, equipment, and materials list is detailed and includes all materials, tools		
	perform the tasks. Limited and in some cases inaccurate descriptions.	perform the tasks. Quantities provided for most of the tasks.	and equipment required to perform the tasks with detailed descriptors.		
	Quantities have been attempted for some of the tasks.		Comprehensive list of quantities provided for all tasks.		

Marks per band	1-2	3-4	5-6	6
Drawings and	Work area measurements	Work area measurements	Work area measurements	
Design	have been taken but with	have been taken with only	have been taken accurately	
	some inaccuracies due to	minor inaccuracies using	using the correct methods.	
	incorrect methods applied.	correct methods most of the		
		time.		
	Scaled drawing is		Scaled drawing is clear,	
	complete but with some	Scaled drawing is complete,	accurate and detailed, with	
	inaccuracies and limited	with minor inaccuracies in	correct use of hatchings	
	detail on hatchings and symbols.	measurements, hatchings, and symbols.	and symbols.	
	Symbols.	and symbols.	Design is comprehensive,	
	Design was attempted but	Design has the majority of	clear, and detailed,	
	lacked some detail,	detail required, with only	comprehensive attention	
	demonstrating some	minor lapses, demonstrating	given to complex design	
	technically correct	good technical knowledge	features, comprehensive	
	knowledge, but limited detail	most of the time with good	technical knowledge	
	given to the design of	detail provided to the	displayed and fully	
	complex features and as a	complex design features that	represents the specification	
	result not fully reflective of	is reflective of the	requirements.	
	the specification	specification requirements.		
	requirements.			

Guidance for markers

Evidence from Task 1.2 and 3 should be used to assess performance against this assessment theme.

Task 1

- Method statement
- Materials/tools list
- Bill of quantities
- Scaled drawing
- Deign a sample decorative panel

Assessor observation

Measurements of site/location work area

Task 2

Assessor observation as detailed in the Assessment theme Construct complex masonry structures

Task 3

Assessor observation as detailed in Repair of masonry structures



Assessment Theme: Presentation

Note: where there is insufficient evidence to award a mark, a zero mark may be given	Band 1 descriptor	Band 2 descriptor	Band 3 descriptor	Total marks per sub assessment themes	Total marks per assessment theme
Indicative content	Typical knowledge, underst	anding and skills:			
	To deliver a presentation of the reasoning/justification for choice. The presentation should be defined as the presentation of the presentation o	ices and how it represents the		nology and clea	ır
Marks per band	1-2	3-4	5-6	6	6
	Presentation required some prompting. Minimal use of positive body language and interaction was limited overall.	Presentation was fluid with minor lapses. Good interaction and positive body language most of the time.	Presentation was clear and fluid without lapses. Positive body language and interaction throughout.		
	Lacked clarity on the reasoning behind the chosen design.	Clear and sound reasoning on the chosen design.	Provided clear and detailed reasoning on the chosen design.		
	Some incorrect use of language and terminology.	Use of terminology and language was mostly correct.	Correct use of terminology and language throughout.		

	Presentation attempted to	Presentation provided an	Presentation provided an
	provide a representation of	accurate representation of	accurate and detailed
	the design chosen but some	the chosen design selected.	representation of the chosen
	inaccuracies and unclear	_	design selected.
	rationale.		

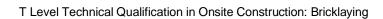
Guidance for markers

Evidence from Task 1 should be used to assess performance against this assessment theme.

Task 1

Assessor observation

Presentation



Assessment Theme: Construct complex masonry structures

Note: where there is insufficient evidence to award a mark, a zero mark may be given	Band 1 descriptor	Band 2 descriptor	Band 3 descriptor	Total marks per sub assessment themes	Total marks for assessment theme	
Indicative	Typical knowledge, understa	anding and skills:				
content	Correct protection and preparation of the work areas and surfaces and correct selection of materials and equipment. Demonstrate knowledge and skill in using the correct techniques to construct the decorative panel in accordance with the specification, including: • Accurately marking out of measurements for gauge and bonding • Correct preparation of materials for use • Correct set out of complex decorative features • Maintaining line, level plumb and axial deviation • Correct bond and jointing • Protecting the integrity of materials • Minimising waste (tolerance 10%)					
		pletion for error/defects (may in- s, dirty face work and defects th			jointing, poor	
	Demonstrate good practice in accordance with legislation.	maintaining a clean and tidy wo	rk environment and disposing o	of waste correctly	y and in	

Marks per band	1-4	5-8	9-12	12	51
Construct	Correct preparation and lay	Correct preparation and lay	Correct preparation and lay		
	out of work area attempted	out of work area, with only	out of work area, thorough		
	but with some errors and	minor inaccuracies in	and accurate positioning of		
	lapse in placement of tools	placement of tools and	tools and equipment to		
	and equipment and as a	equipment. Overall	allow maximum efficiency		
	result lacks efficiency for completing work.	preparation efficient for completing the work.	in completing the work.		
			Tools selection appropriate		
	Tools selection was	Tools selection appropriate	throughout the tasks,		
	appropriate but with some	and materials chosen	materials used correctly to		
	errors. Materials handled	appropriately and handled to	application requirements		
	correctly to application	application most if the time,	with no wastage.		
	requirements some of the	but with and to the task with			
	time, but with some lapses	wastage in tolerance.	Cutting is accurate, without		
	resulting in wastage above		error with a high-quality		
	tolerance.	Cutting is accurate most of	finish and pleasing		
		the time with minor lapses,	appearance.		
	Cutting was accurate in	which does not affect the			
	some instances but with	overall quality and	Shaping is accurate and		
	some errors which affects	appearance of the finished	error free.		
	the overall quality and	product.			
	appearance of the finished		Work completed without		
	product.	Shaping is mostly accurate	error or defect, high quality		
		with minor errors.	finish that fully represents		
	Shaping is accurate some of		the specification		
	the time but with some	Work completed with minor	requirements.		
	apparent errors.	errors and minimal defects			
		that do not affect the overall			
	Work completed but with	finish, sound representation			
	some errors and apparent	of the specification			
	defects that affect the	requirements.			
	overall finish, attempts to				
	meet the specification				
	requirements.				

Marks per band	1-3	4-6	7-9	9	
Setting out/marking out	Set out and mark out completed but without fluency, limited dry bonding and with some inaccuracies	Set out and mark out completed logically with only minor inaccuracies in joint size.	Set out and mark out completed in a logical sequence, all joint sizes are accurate.		
	in joint size. Panel components are measured but with some inaccuracies prior to cutting.	Panel components are measured and prepared correctly with only minor inaccuracies.	All panel components are accurately measured and prepared prior to cutting.		
Marks per band	1-3	4-6	7-9	9	
Plumb/level/ gauge	Plumbing points are maintained to plumb across some of the required areas to within +/- 6mm The work is generally level through the courses and the top of the wall is finished to within +/-10mm	Plumbing points are maintained across most of the required areas to within a tolerance of +/- 4mm The work is levelled through the courses and the top of the wall is finished to within +/- 5 mm	Plumbing points are maintained across all of the required areas to within a tolerance of +/- 2mm The work is accurately levelled through all of the courses and the top of the wall is completed to within		
	The overall gauge of the work is within 8mm to 4 courses to 300mm but there are variations in joint thickness over the construction.	The overall gauge is correct to within 4mm to 4 courses to 300mm and there is consistency for most of the time in the joint thickness over the construction.	+/- 3mm The overall gauge is correct to 4 courses to 300mm with regular consistency of joint thickness over construction.		
Marks per band	1-2	3-4	5-6	6	
Bonds	Bonding has been attempted, but with some inconsistencies which affects the overall appearance and stability of the structure.	Bonding is sound and consistent, most of the time and the appearance and structure is aesthetically pleasing and stable.	Bonding is well balanced, consistent throughout and stable and the appearance is aesthetically pleasing.		

Marks per band	1-3	4-6	7-9	9	
Joint finishes	Application completed but with lapses which had led to inconsistencies in the joint finish.	Sound application and joints are mostly full and well finished.	Application is consistent and all joints are full and well finished.		
	Some joints are completed but others are open which has affected the overall appearance and quality.	Appearance and overall quality not affected by small errors.	High quality of finish and pleasing appearance.		
Marks per band	1-2	3-4	5-6	6	
Cleanliness and disposal of waste	Area is generally tidy but limited attention has been paid to the correct procedure to dispose of waste throughout the task.	Area is tidy and attention is paid to maintaining a clean work area with only minor lapses. Waste is disposed of	Area is kept tidy throughout the work. Waste is disposed of correctly and at regular intervals throughout the		
		correctly and regularly most of the time.	task.		

Guidance for markers

Evidence from Task 2 should be used to assess performance against this assessment theme.

Task 2

Assessor observation

- Construction of complex masonry structure
- Setting out
- Plumb level and gauge
- Bond and Joint finishes
- Completed structure
- Cleanliness and disposal of waste

Additional supporting evidence

Photographic and/or video evidence requirements are stated in the specific task guidance for each task within this assessor pack.

Assessment themes: Repair of masonry structures

Note: where there is insufficient evidence to award a mark, a zero mark may be given	Band 1 descriptor	Band 2 descriptor	Band 3 descriptor	Total marks per sub assessment themes	Total marks for assessment theme
Indicative	Typical knowledge, understanding and skills:				
content					
	Correctly protect and prepare work areas, surfaces and correctly select materials and equipment for the repair of masonry structures.				ir of masonry
	Demonstrate correct technique specification including:	es to carry out the repair and ma	iintenance of the chimneystack	in accordance v	with the
	Correctly mixed mortar				
	 Accurately blending of new masonry products to the existing structure 				
	Accurately matching of masonry and mortar				
	Protecting the integrity of materials,				
	Minimising waste (tolerance 10%).				
	 Checking finished work for error (may include minor errors in preparation of materials, cleaning, damage to surface, gauging, matching existing materials, jointing, dirty face work and defects that are noticeable on finished product) 			_	
	Candidates should be able de	monstrate good practice in main	taining a clean and tidy work e	nvironment.	

Marks per band	1-2	3-4	5-6	6	15
	Pre-inspection complete, but not all the materials have been removed to sufficient depth before the repair is made. Limited brushing down or cleaning carried out.	Pre-inspection complete, most of the materials have been removed correctly and to sufficient depth before the repair is made. Sound brushing down and cleaning carried out.	Comprehensive pre- inspection made, all materials removed correctly and in full before any repair is made. Comprehensive brushing and cleaning carried out.		
	Consideration is given to the structure to ensure that damage does not occur during the cleaning and preparation process but with some lapses.	Consideration is given in most instances to ensure that the structure is protected from damage during the preparation process.	Consistent consideration is taken to ensure that the structure is fully protected from damage during the preparation process.		
Marks per band	1-3	4-6	7-9	9	
Repair work	Mortar is mixed for the joints, with gauging accurate but colour and texture does not fully match existing structure.	Mortar is mixed evenly for the joints with accurate gauging but with some slight colour and texture mismatch to existing structure.	Mortar is correctly mixed and gauged and matches the required colour and texture of the existing structure.		
	Jointing completed but with some lapses in sequencing and with some inaccuracies resulting in wastage above tolerance.	Jointing completed to a good standard in a logical sequence most of the time with only minor inaccuracies that have been rectified, minimal waste of materials	Jointing completed to an excellent standard n a logical sequence, neat consistent and correct with no material waste.		
	Work completed but with some errors that affect the overall finish and not fully represent the specification requirements.	(below tolerance). Work completed with only minor errors that do not affect the overall finish, sound representation of the specification requirements.	Work completed without error or waste, high quality finish that fully represents the specification requirements.		

Guidance for markers

Evidence from Task 3 should be used to assess performance against this assessment theme.

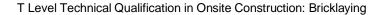
Task 3

Assessor observation

- Preparation, removal and protection of structure
- Completed repair work according to specification including mixing, gauging, matching and overall finish

Additional supporting evidence

Photographic and/or video evidence requirements are stated in the specific task guidance for each task within this assessor pack.



Links to Maths, English, and Digital Skills

Task	Skills	
Task 1		
	EC1, EC2, EC3, EC5, EC6 MC1, MC2, MC3, MC4, MC8, MC9 DC1, DC2, DC5	
Task 2		
	MC1. MC2, MC3, MC4, MC7, MC10	
Task 3		
	MC1. MC2, MC3, MC4, MC7, MC10	



Declaration of authenticity



Assessment ID	Qualification number
Candidate name	Candidate number
Centre name	Centre number
dditional Support	
as the candidate received any additional support in th	ne production of this work?
No $^\square$ Yes $^\square$ (Please tick appropriate)	
yes, give details below (and on a separate sheet if ne	ecessary).
candidate: confirm that all work submitted is my own, and that I h	have acknowledged all sources I have used.
Candidate signature	Date
utor:	
utor: confirm that all work was conducted under conditions ork, and am satisfied that, to the best of my knowledg	

Note: Where the candidate and/or tutor is unable to or does not confirm authenticity through signing this declaration form, the work will be returned to the centre and this will delay the moderation process. If any question of authenticity arises, the tutor may be contacted for justification of authentication.



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