T-LEVELS | Institute for Apprenticeships & Technical Education

T Level Technical Qualification in Onsite Construction (8711-36)

8711-306 Carpentry & Joinery Occupational Specialism Candidate Pack (Brief)

Summer 2023

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1. Assessment

This assessment is for the Carpentry & Joinery Occupational Specialism component of the Technical Qualification. This pack consists of a practical assignment that includes a project brief including drawing(s) and diagram(s) as necessary, along with several tasks for you to complete.

2. Candidate Guidance

General guidance

This is a formal assessment that you will be marked and graded on. You will be marked on the quality and accuracy of the work you produce. It is therefore important that you carry your work out to the highest standard you can.

Plagiarism

Plagiarism is the failure to acknowledge sources properly and/or the submission of another person's work as if it were your own. Plagiarism is not allowed in this assignment.

This assignment is an assessment of your abilities, so the work submitted must be all your own and carried out under the conditions stated. You will be asked to sign a declaration that you have not had any help with the assignment. Your tutor/assessor is allowed to give you some help understanding the instructions if necessary, but they will record any other guidance you need, and this will be taken into account during marking.

Where research is allowed, your tutor/assessor must be able to identify which work you have done yourself, and what you have found from other sources. It is therefore important to make sure you acknowledge sources used and clearly reference any information taken from them (e.g. providing as a minimum a list of web addresses / books / articles etc used).

Timings and planning

You are advised to study the details of the assessment before starting.

You should check with your tutor/assessor that you have all the relevant materials, equipment and information/data sources that you need before starting the assessment.

You should take care when planning to make sure you have divided the time available between parts of the assignment tasks appropriately. Timings for tasks are provided within this pack to support with planning and time allocation.

If you have a good reason for needing more time, you will need to explain the reasons to your tutor/assessor and agree a new deadline date. Changes to dates will be at the discretion of the tutor/assessor, and they may not mark work that is handed in after the agreed deadlines.

Any requested changes to deadlines must be agreed by both your tutor/assessor and City & Guilds.

Word counts

Typical word counts are to be used as approximates for guidance to support the production of sufficient evidence. The marking will relate to the quality of the evidence produced and not whether the word count have been met.

Health and Safety

You must always work safely, in particular while you are carrying out practical tasks.

You must always follow any relevant Health and Safety regulations, Risk Assessments and codes of practice in line with centre requirements.

If your tutor/assessor sees you working in a way that is unsafe for yourself or others, they will highlight the issue and ask you to stop the task immediately. Your tutor/assessor will not be able to reassess you until they are sure you are ready for assessment and can work safely.

Presentation of work

Presentation of work must be neat, legible and appropriate to the task, and evidence required for submission.

You should make sure that each piece of evidence including any forms are clearly labelled with your name and the assignment reference.

All electronic files must be given a clear file name that allows your tutor/assessor to identify it as your work.

Written work may be word-processed or handwritten unless stated otherwise.

All sketches and drawings should be neat, tidy and annotated.

Calculations should be set out clearly, with all working shown, as well as any assumptions made. You should use appropriate units at all times, consistent with the requirements of the assignment.

Instructions for this assignment

Ensure you read all the provided assessment information issued by the tutor/assessor.

You must work independently and not share your work with any other candidates in these supervised assessment sessions.

Your work will be kept secure during any supervised breaks that are taken.

Internet access is **not** allowed, unless otherwise stated in the task.

You must complete all the tasks and present all evidence that is detailed in each task.

This assessment booklet contains the assignment brief.

The tasks have been separated into individual documents which will be handed to you at the start of each task.

Within each task you will find the following:

- **Conditions of assessment:** This will tell you the duration and rules you must follow when completing a task.
- **What must be produced for marking:** This describes the evidence you must submit when the task is completed. Be aware failure to submit any evidence requested can adversely affect your overall mark for the assessment.
- **Additional evidence of your performance that must be captured for marking:** This describes other forms of evidence that will be collected by the tutor/assessor to support the marking of your performance. This will often include but not limited to photographic and video evidence.

Assessment themes

You will be assessed against a number of assessment themes. This assignment has a total of 90 marks. The table below shows the weighting of the marks for each of the performance outcomes.

Assessment objective	Typical Knowledge and skills	Approximate weighting
Prepare for the production of complex timber-based building products and structures	Displays knowledge and practical skills to identify information requirements from a brief e.g. size, shape, function, budget. Interpret drawings, specifications, and schedules. Use questioning techniques to obtain and clarify information required. Calculate lengths and angles required to meet specification. Measure length, area, and volume. Produce scaled drawings by hand in plan, elevation, and section. Produce cutting lists. Inspect materials. Mark out measurements on to timber- based products and sheet materials. Inspect equipment e.g. calibrated, serviceable. Estimate resource requirements e.g. time, materials, equipment availability. Follow a method statement including production and installation details and communicate plans to stakeholders effectively.	30%
Produce complex timber- based components	Demonstrates the knowledge and skills to research information required for producing complex components. Carry out geometrical calculations relating to complex 3D shapes e.g. area, volume, and length. Protect integrity, quality, and conditioning of materials during handling and storing. Use woodworking machinery, equipment, and tools including hand and power tools. Create templates and work holding jigs. Produce test pieces e.g. sample. Feed materials into equipment using work piece support and safety aids. Produce complex shapes. Set up and adjust machinery. Label and prepare components.	30%
Assemble complex timber-based products	Demonstrates the knowledge and skills to assess suitability of information provided. Use tools and equipment to assemble components to form products. Join timber- based components to other timber-based components and to non-timber-based components including fixtures and fittings.	20%

	Use non-permanent joining techniques. Use permanent joining techniques and use jigs for assembly.	
Install complex timber-based products into complex structures	Demonstrates the knowledge and skills to assess risks associated with the installation task. Prioritise and schedule tasks. Check compliance with building regulations and standards provided. Prepare timber-based products/environments for installation. Adapt timber-based products to meet installation requirements. Maintain tools. Install door and window ironmongery into timber-based products and carry out quality checks.	20%

3. Assignment brief

You are employed by a local building contractor as a Carpenter and Joiner, and you have been commissioned to complete the carpentry and joinery tasks as part of the construction of a large private dwelling.

It is a large multi–trade project and you will be liaising directly with the project manager on the brief requirements.

A cloakroom is to be constructed, which is to be built into the corner of a larger hallway space, with timber studwork walls, a door lining with a laminated segmental headed borrowed light above, architraves and a door hung complete with furniture.

You are required to make the studwork partition to form the cloakroom, make and fix the door lining, make and fix the architraves and hang the door including bathroom mortice lock and handles. You have been commissioned four days (27 hrs) to complete the work, and the project manager has provided the following specification requirements:

A) You are required to make a door lining with glazed segmental headed borrowed light above.

Door lining specification:

- To suit 838 mm x 1981 mm door
- Section size: PAR/PSE Redwood 27 mm x 94 mm
- Door stop size: 12 mm x 32 mm
- Head detail as per **Figure 1**

B) You are required to construct the stud partition.

Studwork partition specification:

- Studs: 63 mm x 38 mm CLS
- Overall external wall dimensions (not including splayed wall) 2000 mm x 1200 mm
- Wall height 2400 mm
- Design as per **Figure 2**, door centrally positioned to the angled wall on the corner
- Plasterboard the outer face of the angled wall only

C) You are required to fit the lining, make and fix architraves, hang the door and fit ironmongery.

Architrave specification:

- Head shape to match lining
- Section: 44 mm x 15 mm, bullnosed
- Architrave fitted to outer face only

Door/ironmongery specification:

- 838 mm x 1981 mm interior door, 35 mm thick
- Hung on 3 x 75 mm butts
- Privacy lock with thumb turn

Note: door stop/glazing bead not required for borrowed light part of the lining

Figure 1

Note: plasterboard required to the outside face of the 45° wall containing the opening only. Door opening outwards into hallway.

Figure 2

Get in touch

The City & Guilds Quality team are here to answer any queries you may have regarding your T Level Technical Qualification delivery.

Should you require assistance, please contact us using the details below:

Monday - Friday | 08:30 - 17:00 GMT

T: 0300 303 53 52

E: **technicals.quality@cityandguilds.com**

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Web chat available **here**.

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