T-LEVELS | Institute for Apprenticeships & Technical Education

T Level Technical Qualification in Building Services Engineering for Construction (8710-30)

8710-033 Core: Employer-Set Project

Task 1.3 Project Plan

Summer 2023

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Task 1.3 – Project Plan

You have been asked to assist with the planning stages of the retrofit work, which includes the installation of the ground source heat pump, collector pipe work, and water conservation technologies, as well as the removal of redundant services. Tight scheduling is required due to the work needing to be completed within the three-month project window, so detailed planning is needed with all relevant trades.

Taking into consideration all factors relating to the site, provide a detailed programme of works and supporting statement.

The programme of works will need to include:

- Key stages of the installation of the heat pump and associated external equipment
- Installation of water conservation technologies
- Duration of each task
- The order in which activities will be completed and their dependencies

Your supporting statement must take into consideration the following planning aspects of the project:

- Specialist plant requirements for the installation of the collector circuit
- On or off-site storage for the BSE materials and equipment
- Health and safety (safe working practices relating to safe isolation and working in excavations)
- Provision of electrical, heating and water supplies
- Waste management for the removed BSE materials and equipment
- Suggested logical approach to undertaking the agreed works

You should include any supporting self-produced drawings or annotated site layout drawings.

Your supporting statement should be approximately 750 words long.

Timing of assessment

You have **three hours** to complete your programme of works and supporting statement.

Conditions of assessment

Your programme of works and supporting statement must be completed working alone under supervised conditions.

What you must submit on completion of this project plan task

- Programme of works
- Supporting statement for your programme of works (approximately 750 words)

Submitted as a hard copy or file saved securely as directed by your tutor/supervisor. You must ensure your work is saved as outlined in the ‘Presentation of work’ section of the Candidate Guidance document.

Additional evidence of your performance that will be captured for marking

N/A

Maths, English and digital skills

Through completion of this task, you will have the opportunity to generate evidence of your maths skills.

Get in touch

City & Guilds Technicals Quality Team

We 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:

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