T-LEVELS | Institute for Apprenticeships & Technical Education

T Level Technical Qualification in Onsite Construction (8711-30)

8711-033 Core: Employer-Set Project

Project Brief

Summer 2023

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Project brief

The employer

The company that you work for, Renaissance Construction, has won a tender for a series of restoration projects on a terrace of 18th/19th century origin. The tender process requires an understanding of the principles of building conservation. As a new member of the team, your manager has asked you to carry out research and provide feedback to demonstrate your understanding around the conservation of heritage buildings.

The project

Renaissance Construction will be required to carry out restoration to a building in The Crescent following the principles and philosophies of building conservation. There will be different trades involved on this project and their activities will need to be planned and coordinated.

Client specification

Number 16, The Crescent, is a four-storey terraced property, built around 1810, that includes a basement.

The property has several traditional features that must be retained, including the original fireplaces and the plaster mouldings within the rooms. Other features will require restoration, including removal of plasterboard to expose the original panelling, and to allow for some repair and reinstatement of the fabric within the building.

In addition, there will need to be repairs and decoration carried out to general surfaces of the walls, ceilings and woodwork. Externally, the roof will require repairs and/or reinstatement of the tiles. The brickwork, including the chimneys, will require repointing. The windows and doors require overhauling, repairing and repainting. Consideration will need to be given to the type of improvements that could be made to make the building more thermally efficient and modernise services.

The front wall (Figure 1) will require raking out of the existing mortar and repointing using an appropriate mortar. The front wall size is 7.6 m wide and 9.9 m high. There are no deductions to be made for windows and doors.

Figure 1 - The front elevation of the properties in The Crescent

Schedule of trades

The company has issued a high-level schedule of all the trades involved (in no particular order) and the time allocated to complete the restoration project. This information is in the table below.

Trade	**Time Allocation**
Plasterer	4 weeks
Painter and Decorator	14 weeks
Carpenter and Joiner	12 weeks
Bricklayer	6 weeks
Scaffolder	2 weeks
Insulation specialist	8 weeks
Plumber	8 weeks
Electrician	6 weeks
Roof Tiler	3 weeks

Pictures

The attached pictures show some aspects of restoration work in relation to this project.

Brickwork requiring repointing

Working at height

Timber decay

Corroding ironwork

 Damaged plasterwork	 Flaking paint

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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