Task 2 – Installation, Commission and Decommission

You will have access to your drawings and plans from Task 1.

Systems must be fully decommissioned, and walls prepared, prior to you beginning installation.

a) Install the sanitary appliances and macerator in accordance with your drawing and as agreed by your tutor/assessor.

Hot and cold pipework should be 100 mm centre unless otherwise stated.

All pipework is to be clipped directly to the wall surface with the pipe brackets to be adequately spaced to manufacturer's instructions.

All pipe bends must be carried out with the correct size pipe bending tool.

Marking out and final measuring of installed components and pipework is to be within +/- 2mm.

The macerator to be installed as per manufacturer's instructions.

Waste pipes installed to the correct fall.

Hot and cold supplies to be installed level and plumb.

WC to be installed as per manufacturer's instructions.

WHB to be installed to recommended height for the setting (600mm) and as per manufacturer's instructions. Hot water must be supplied via a thermostatic mixing valve appropriately set for the location.

No burn, scorch or excessive marking to walls/property.

Finished product should be aesthetically pleasing.

Good housekeeping to be maintained throughout assessment.

b) Connect the electrical supply to the macerator from a suitably supplied unswitched fused spur connection following the safe isolation procedure.

You must connect the electrical supply to the macerator from a suitably supplied isolator.

The safe isolation procedure should be followed and directly observed.

All power, interconnecting and control wiring must be in accordance with manufacturer's requirements and meet current UK regulations.

c) Commission the system and handover to customer

Once the installation has been completed, you must commission the system and handover to customer.

The system must then be commissioned as per the commissioning document provided, with all the data recorded in full.

Your tutor/assessor must observe you carrying out the commissioning checks detailed in the commissioning document.

You must record all data in full on the commissioning document provided.

Following commissioning and testing you will handover to the customer. The handover should include:

- Demonstration of systems.
- Macerator service requirements.
- Maintenance requirements.

Your tutor/assessor should act as the customer during the handover and will provide feedback on your performance.

d) Decommission the system

Once your tutor/assessor has checked and verified the system and handover is complete, you must decommission the system.

Decommissioning of the system must include:

- Isolation of the fuel/electricity supply to the system as appropriate.
- Isolate water supply.
- Apply warning notices and signs.
- Drain system to a suitable location.
- Capping of pipework sections as required.
- Make good to building fabric.

Conditions of assessment:

- The time allocated for this task is **13 hours.**
- You must carry out the task on your own, under controlled conditions.

What must be produced for marking:

- Commissioning checklist

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

- Tutor/assessor observations:
  - Use of tools.
  - Installation of components.
  - Measurements of pipework are to within a tolerance of +/- 2mm.
  - Safe isolation process.
  - Commissioning.
  - Handover to client.
  - Decommissioning.

- Photographs taken by your tutor/assessor at various stages of the task.

Get in touch

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

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