Task 1 – Planning the installation

The purpose of this task is for you to demonstrate that you can correctly plan the installation, produce a detailed material list, complete a detailed method statement, assess the risks involved in the installation activity and produce an accurate installation diagram showing the pipework layout, pipe clips and components.

a) Plan the installation of the toilet facilities and the macerator following the client brief.

You should produce the following:

- Materials list.
- Method statement planning your works to include justifications.
- Risk assessment.
- Installation diagram with pipework layout, pipe clips and associated components.

Templates for the method statement, materials list and risk assessment are provided.

Your installation diagram should be applicable to the location you are being assessed in and completed to a commercially acceptable standard. The diagram should include all fixed services and the proposed installation layout.

The installation diagram should be used to carry out the installation and will also be used by your tutor/assessor for checking the dimensional tolerances of the installed system and pipework.

b) Measure and mark out proposed working area.

You will be provided with a specific working area that has been set up according to **Figure 1**.
You must measure and mark out your work area as detailed in your diagram.
You must complete this activity prior to carrying out the installation.

If your plan is not fit for purpose your tutor/assessor will intervene and provide necessary feedback and corrections to the plans prior to you carrying out the installation. However, this will be commented on in the marking documentation and reflected in marks awarded.

Conditions of assessment:

- The time allocated for this task is **5 hours.**
- You must carry out the task on your own, under controlled conditions.

What must be produced for marking:

- Risk assessment.
- Method statement with justifications.
- Installation diagram with pipework layout, pipe clips and associated components.
- Materials list.

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

- Tutor/assessor observation of measurements and marking out of space allocation/ work area checked against scale drawing.
- Practical Observation form completed by your tutor/assessor, to include how well you were able to accurately measure out the work area to ensure installation was accurate to plan using a datum line (soil stack) and how accurately the recording of dimensions was completed.
- 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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