# Quality Control – Quality Assurance

This needs to be evident in your project, specific marks usually are given for it, as well as being a subject that you need to understand for your examination.

It is especially important in the outside world, and a lot of money and time is spent on it to get it right. If there is a problem it needs to be sorted immediately, otherwise it could cost the company some serious money and more importantly their reputation.

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Quality Control involves testing and inspecting and is part of the quality assurance function.

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**Quality assurance** covers the quality of design, manufacture, performance, and customer satisfaction. You would need to plan measures and procedures to ensure quality is achieved for all these different areas and groups.

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The sort of measures that you can be put in place is the use of documentation. The sort of QA documents you should have in your project are:

Working Drawings – 3rd Angle Orthographic Projection – to check measurements. To give overall details

Presentation Drawing – 3D picture to give overall impression. This is just to check it looks as intended

Detailed Plan of Production – Breaking it down into sections and sub-sections. Step by step.

Workshop Construction Sheets – Exploded 3D pictures showing constructional issues to help assembly. These would be photocopied so they can be taken into the workshop for reference.

Costing Sheets – An initial costing/order sheet produced as well as an actual costing sheet to monitor the real costs as the project progresses, because there will always be extra costs which you do not expect or are unaware of at this stage.

Quality Control Sheets – A set of quality control checking sheets to go with the plan of production, to be ticked off as you go along.

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**Quality Control – is the process of checking quality throughout.**

**(The actual doing of it)**

**Quality Assurance – is planning & building in of procedures to ensure quality.**

**(How you are going ensure quality happens)**