

Overview

This standard covers the skills and knowledge required to assist in the creation of a professional response to a design brief.

Performance criteria

You must be able to:

1. clarify and define objectives to meet customer requirements
2. identify and interpret relevant measurements to meet customer requirements
3. make and record any measurements of components, sub-assemblies, products, models, equipment, layouts or facilities needed for the preparation of the required drawings to meet customer requirements
4. calculate the required dimensions and other drafting details based on measurements to meet customer requirements
5. identify the type of drawing required and choose a suitable starting point to meet customer requirements
6. create the required drawings following standard operating procedures
7. add architectural features, doors and windows, with dimensions and positioning to meet customer requirements
8. add units/fittings to your design in a variety of ways to meet customer requirements
9. add style, colour, lighting to enhance your design to meet customer requirements
10. save drawings in appropriate locations following standard operating procedures
11. produce hard copies of the finished drawings following standard operating procedures
12. annotate your plan and add dimensions following standard operating procedures
13. create a presentation to include plans, elevations and 3D images following standard operating procedures
14. identify any modifications needed to briefs and designs to meet customer requirements
15. propose an appropriate form of visual interpretation for selected designs with decision-makers
16. select suitable media, techniques and technology to prepare designs to meet customer requirements
17. produce visuals that clearly demonstrate how designs meet requirements of briefs

Knowledge and understanding

You need to know and understand:

1. details of client briefs and design objectives
2. how to prepare and present visual interpretations of designs to a professional standard
3. national, international and organisational standards with regard to drawings
4. various types of drawing layouts used for designs
5. symbols and abbreviations used
6. how to determine scales to be used and methods of indicating this
7. methods of constructing drawings and application and use of drawing tools
8. methods of constructing lines and curves, circles and ellipses
9. types and application of dimension lines
10. how to enter text onto drawings
11. procedures and methods for editing drawings and text
12. how to produce hard copies and advantages and disadvantages of printers and plotters
13. procedures to prepare and present written material in support of designs
14. how to communicate design proposals visually and in writing to non-designers
15. how to use design and presentation media, techniques and technology
16. how designs will be used
17. how final designs will be realised/ produced/ installed/replicated
18. how to prepare and present written material in support of designs

Develop design concepts

Developed by NSAFD

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Originating Organisation Proskills

Original URN PROFD3

Relevant Occupations Furniture Makers and Other Craft Woodworkers

Suite Fitted Furniture Installation

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