Unit number 6: Construction Information

Example Assessment Brief

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| Student Name/ID Number |  |
| Unit Number and Title | Unit 6: Construction Information (Drawing, Detailing,) |
| Academic Year | 2024-25 |
| Unit Tutor | Pranav Panachinkattil |
| Assignment Title | 1/1: Construction Drawings and Construction Information |
| Issue Date | 19/03/2025 |
| Submission Date | 25/05/2025 |
| IV Name & Date | Julian Powell & 19/03/2025 |
| Submission Format | |
| The submission comprises sets of drawings and a written report (1500 Words). Moodle links would be created for submission via ‘turnitin’ but you can still email your final draft to your tutor as backup. You are encouraged to make use of images, drawings, tables etc. and other research material to buttress your points. There should be a list of references showing the materials/ resources that you have cited within your work. This is to be presented using the Harvard system of referencing. | |
| Unit Learning Outcomes | |
| LO1 Evaluate different types of construction information in the context of diverse project types  LO2 Develop construction drawings, details, schedules and specifications in support of a given construction project  LO3 Interpret different types of construction information in order to explain a construction project  LO4 Assess ways in which construction professionals collaborate in the production of construction information | |

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| Assignment Brief and Guidance |
| Part 1 You are working as an Architectural Technician for a small Architectural firm. Your manager has asked you to develop a set of general arrangement drawings for a medium scale warehouse (with wall sections and foundation details) and produce outline of bill of quantities and schedule of works for the project. In addition to the deliverables, your manager has asked you to produce a report that describes and compares the different types of construction information in terms of their uses and suitability. You will also need to explain the type of construction information you have used in this project and justify your choice.  Part 2 Your colleague has produced a set of construction information documents for an Office warehouse. Before issuing this information to the construction team, your employer has asked that you review the information to ensure that it is fit-for-purpose. You are to:  • Coordinate drawings with schedule, specifications, and bill of quantities (if available)  • Critique the drawing sets to identify ‘clashes’, errors and discrepancies You are then tasked with proposing corrections to the construction information, ensuring that copies of the originals and your recommended changes are recorded. Following your critique, you are asked to prepare a short report on the drawing set you have reviewed. Your report should assess the type of information that has been produced by your colleague, examine the different bodies of information that has been produced and compare the roles of CAD and BIM in collaborative production of construction information. The final part of your report should assess the types of information produced by different participants in construction and examine their relationship and how they work in conjunction. These documents will be part of your continuing professional development.  [Note: The bill of quantities and schedule of works may not include roofing and finishes. For Part 2, See attached drawing for the Church Auditorium] |

Learning Outcomes and Assessment Criteria

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| Pass | Merit | Distinction |
| LO1 Evaluate different types of construction information in the context of diverse project types | |  |
| P1 Explain the use of construction information in the context of a project.  P2 Describe the different types of construction information and their uses | M1 Compare different types of construction information to identify their suitability in specific contexts. | D1 Justify the use of specific types of construction information in support of a given project. |
| LO2 Develop construction drawings, details, schedules and specifications in support of a given construction project | |
| P3 Develop a set of general arrangement drawings, selected details and door/window schedules.  P4 Produce an outline bill of quantities | M2 Compose a schedule of works. |

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| Pass | Merit | Distinction |
| LO3 Interpret different types of construction information in order to explain a construction project | |  |
| P5 Relate a set of construction drawings to a specification.  P6 Evaluate construction drawings and details to identify ‘clashes’. | M3 Critique a body of construction information, identifying errors and discrepancies. | D2 Propose corrections to construction drawings and specifications using industry standard forms of notation. |
| LO4 Assess ways in which construction professionals collaborate in the production of construction information | |
| P7 Assess the types of information produced by different participants in a construction project.  P8 Examine the relationship between different bodies of information and how they work in conjunction. | M4 Compare the roles of CAD and BIM in the collaborative production of construction information. |

Recommended Texts:

CHING, F.D.K. (2014) Building Construction Illustrated. John Wiley & Sons. CHUDLEY, R. (2016) Building Construction Handbook. Routledge Construction Specifications Institute (2011) The CSI Construction Specifications Practice Guide. John Wiley & Sons HUTH, M.W. (2009) Understanding Construction Drawings. Delmar Cengage.