# Unit 16 Grading criteria

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| **To achieve a pass grade the evidence must show that the learner is able to:** | **To achieve a merit grade the evidence must show that, in addition to the pass criteria, the learner is able to:** | **To achieve a distinction grade the evidence must show that, in addition to the pass and merit criteria, the learner is able to:** |
| P1 create sketches of engineering components using a range of techniques  | M1 explain the importance of working to recognised standards when producing engineering drawings  | D1 evaluate the use of different methods of producing engineering drawings including manual and computer aided methods. |
| P2 describe the benefits and limitations of using pictorial techniques to represent a given engineering component  | M2 explain how a given engineering drawing would be used and the reasons it is suitable for its intended audience. |  |
| P3 interpret the main features of a given engineering drawing which complies with drawing standards  |  |  |
| P4 produce detail drawings of three given single-piece components  |  |  |
| P5 produce an assembly drawing of a product containing three parts  |  |  |
| P6 produce a circuit diagram with at least five different components which uses standard symbols  |  |  |
| P7 prepare a template drawing of a standardised A3 sheet using a CAD system and save to file |  |  |
| P8 produce, store and present 2D CAD drawings of a given single-piece component and an assembly drawing of a product containing three parts  |  |  |
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