

Please read the instructions printed at the end of this form. One of these sheets, suitably completed, should be attached to the assessed work of each candidate.

Unit Title	Developing and presenting engineering designs	Unit Code	R107	Series		Year	
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Centre Name		Centre Number	
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Candidate Name		Candidate Number	
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Marking Criteria – Total Marks for this unit is 60

Mark Band 1	Mark Band 2	Mark Band 3	Teacher Comment	Page
LO1: Be able to generate design proposals using a range of techniques				
<p>Requires regular assistance to produce sketches in 2D and 3D. Sketches have limited accuracy.</p> <p>Designs include few details of shade, tone and texture.</p> <p style="text-align: right;">1 – 4 marks</p>	<p>Works competently with occasional assistance to produce sketches in 2D and 3D that are mostly accurate.</p> <p>Designs include a range of mostly appropriate rendering techniques using shade, tone and texture.</p> <p style="text-align: right;">5 – 8 marks</p>	<p>Works independently and competent to accurately produce sketches in 2D and 3D.</p> <p>Designs include a wide range of appropriate rendering techniques using shade, tone and texture.</p> <p style="text-align: right;">9 – 12 marks</p>	<div style="border: 1px solid black; width: 60px; height: 60px; margin: auto;">Mark</div>	
<p>Demonstrates design ideas by using a limited range of annotation and labelling with basic detail.</p> <p>Uses IT software to produce and modify design proposals with limited detail.</p> <p>Draws upon limited skills/knowledge/ understanding from other units in the specification.</p> <p style="text-align: right;">1 – 6 marks</p>	<p>Demonstrates design ideas by using a range of annotation and labelling with some detail.</p> <p>Uses IT software to produce, modify and enrich design proposals with some detail.</p> <p>Draws upon some relevant skills/knowledge/ understanding from other units in the specification.</p> <p style="text-align: right;">7 – 12 marks</p>	<p>Demonstrates design ideas by using a wide range of detailed annotation and labelling.</p> <p>Uses IT software to produce, modify and enrich design proposals with appropriate detail.</p> <p>Clearly draws upon relevant skills/knowledge/ understanding from other units in the specification</p> <p style="text-align: right;">13 – 18 marks</p>	<div style="border: 1px solid black; width: 60px; height: 60px; margin: auto;">Mark</div>	

LO2: Know how to develop designs using engineering drawing techniques and annotations			Teacher Comment	Page
Produces some superficial 2D and 3D engineering drawings, with limited use of labelling techniques and annotations. 1 – 4 marks	Develops 2D and 3D engineering drawings with some detail and accuracy . Uses mostly appropriate labelling techniques and annotations. 5 – 8 marks	Develops detailed and comprehensive 2D and 3D engineering drawings, accurately using appropriate labelling techniques and annotations. 9 –12 marks	Mark	
LO3: Be able to use Computer Aided Design (CAD) software and techniques to produce and communicate design proposals				
Requires regular assistance to use CAD applications. Produces basic design proposals. Communication of design proposals is limited . 1 – 6 marks	Works competently with occasional assistance to produce design proposals using CAD applications. Communicates design proposals with some effectiveness . 7 – 12 marks	Works independently and competently to produce comprehensive design proposals using CAD applications. Effectively communicates design proposals. 13 – 18 marks	Mark	
Total/60				
If this work is a re-sit, please tick	Session and Year of previous submission		Please tick to indicate this work has been standardised internally	

Guidance on Completion of this Form

Please note: This form may be updated on an annual basis. The current version of this form will be available on the OCR website (www.ocr.org.uk).

Guidance on Completion of this Form

- 1 **One** sheet should be used for each candidate.
- 2 Please ensure that the appropriate boxes at the top of the form are completed.
- 3 Please enter *specific* page numbers where evidence can be found in the portfolio, and where possible, indicate to which part of the text in the mark band the evidence relates.
- 4 Circle the mark awarded for each strand of the marking criteria in the appropriate box and enter the circled mark in the final column.
- 5 Add the marks for the strands together to give a total out of 60 Enter this total in the relevant box.