

# Unit 2: Construction Design - Sample marking grid

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## General marking guidance

- All learners must receive the same treatment. Examiners must mark the first learner in exactly the same way as they mark the last.
- Marking grids should be applied positively. Learners must be rewarded for what they have shown they can do rather than be penalised for omissions.
- Examiners should mark according to the marking grid, not according to their perception of where the grade boundaries may lie.
- All marks on the marking grid should be used appropriately.
- All the marks on the marking grid are designed to be awarded. Examiners should always award full marks if deserved. Examiners should also be prepared to award zero marks if the learner's response is not rewardable according to the marking grid.
- Where judgment is required, a marking grid will provide the principles by which marks will be awarded.
- When examiners are in doubt regarding the application of the marking grid to a learner's response, a senior examiner should be consulted.

## Specific Marking guidance

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The marking grids have been designed to assess learner work holistically.

Rows within the grids identify the assessment focus/outcome being targeted. When using a marking grid, the 'best fit' approach should be used.

- Examiners should first make a holistic judgement on which band most closely matches the learner response and place it within that band. Learners will be placed in the band that best describes their answer.
- The mark awarded within the band will be decided based on the quality of the answer in response to the assessment focus/outcome and will be modified according to how securely all bullet points are displayed at that band.
- Marks will be awarded towards the top or bottom of that band depending on how they have evidenced each of the descriptor bullet points.

Assessment focus	Band 0	Band 1	Band 2	Band 3
<b>Activity 1: Design factors and constraints</b>	0  No rewardable material.	1-3  Communicates a few relevant factors or constraints of the project.  The impact or influence of the communicated factors is limited in its relevance to the design or specification.  Use of technical vocabulary and language is attempted but is largely inaccurate.	4-6  Communicates a range of relevant factors and constraints of the project.  The impact or influence of the communicated factors is mostly relevant to design and specification considerations.  Some accurate technical vocabulary and language is used.	7-9  Communicates a broad range of relevant factors and constraints of the project.  The impact and influence of the communicated factors are fully relevant to the design and specification considerations.  Technical vocabulary and language is used throughout with accuracy and precision.

Assessment focus	Band 0	Band 1	Band 2	Band 3
<b>Activity 2:</b>	0	1-3	4-6	7-9
<b>Initial project brief</b>	<p>The initial project brief contains limited or inappropriate information.</p> <p>The initial project brief is superficial and shows minimal consideration of the:</p> <ul style="list-style-type: none"> <li>• spatial requirements</li> <li>• desired project outcomes</li> <li>• site information</li> <li>• budget requirements.</li> </ul> <p>Use of technical vocabulary and language is attempted but is largely inaccurate.</p>	<p>The initial project brief contains partially accurate and relevant information throughout, with some omissions.</p> <p>The initial project brief is mostly developed and includes some relevant interpretation of the:</p> <ul style="list-style-type: none"> <li>• spatial requirements</li> <li>• desired project outcomes</li> <li>• site information</li> <li>• budget requirements.</li> </ul> <p>Some accurate technical vocabulary and language is used.</p>	<p>The initial project brief contains accurate, relevant, detailed and comprehensive information, with minimal omissions.</p> <p>The initial project brief is well developed and includes a comprehensive, relevant and balanced interpretation of the spatial requirements and desired project outcomes in the context of the site and budget constraints.</p> <p>Technical vocabulary and language is used throughout with accuracy and precision.</p>	
No rewardable material.				

Assessment focus	Band 0	Band 1	Band 2	Band 3
<p><b>Activity 3:</b>  <b>Building size, form and type of construction</b></p>	<p>0</p>	<p>1-3</p> <p>There is limited consideration of the required floor area or building height with reference to the context of the site footprint.</p> <p>There is limited consideration of the suitability of the form or type of construction.</p> <p>Recommendations may lack relevance to the client's vision.</p> <p>Use of technical vocabulary and language is attempted but is largely inaccurate.</p>	<p>4-6</p> <p>There is some consideration and justification of the required floor area and number of floor levels with reference to the context of the site footprint, topography and other requirements of the site.</p> <p>There is some consideration and justification of the suitability of the form and type of construction, taking into account some client requirements, for the scale and use of the building.</p> <p>Recommendations are generally relevant but may not fully take the client's vision into account.</p> <p>Some accurate technical vocabulary and language is used.</p>	<p>7-9</p> <p>There is detailed consideration and justification of the required floor area, number of floor levels and building height, with appropriate reference to the context of the site footprint, topography and other requirements of the site.</p> <p>There is detailed consideration and justification of the suitability of the form and type of construction, taking into account most client requirements, for the scale and use of the building.</p> <p>Recommendations are fully relevant and comprehensively takes into account the client's vision.</p> <p>Technical vocabulary and language is used throughout with accuracy and precision.</p>
	<p>No rewardable material.</p>			

Assessment focus	Band 0	Band 1	Band 2	Band 3	Band 4
<b>Activity 4 : Sketches of the initial idea</b>	0	1-3	4-6	7-9	10-12
	No rewardable material.	The design is limited in addressing the requirements of the scenario, the client or the site.  Limited or inappropriate use of annotations.  One or two of the required views are attempted.	The design addresses some of the requirements of the scenario, the client and the site.  Use of annotations to demonstrate some key features of the design.  All three of the required views are completed.	The design broadly meets the requirements of the scenario, the client and the site.  Use of annotations to demonstrate most of the key features of the design, the operation of the building and the use of the building.  All three views are completed with some precision .	The design comprehensively meets the requirements of the scenario, the client and the site.  Use of annotations to clearly demonstrate all the key features of the design, key dimensions, the operation of the building and the use of the building.  All three views are completed with accuracy and precision.

Assessment focus	Sub task	Band 0	Band 1	Band 2	Band 3	Band 4
<b>Activity 5: Virtual modelling of the design</b>		0	1-3	4-6	7-9	10-12
	Use of CAD to show rendered external view of the virtual model	No rewardable material.	<p>The rendered external images of the virtual model represent the design but are limited in meeting the requirements of the client's vision.</p> <p>The rendered external images lack accuracy in representing the design and are incomplete.</p> <p>The rendered external images require substantial amendments to be suitable for presentation to the client.</p>	<p>The rendered external images of the virtual model represent the design and meet some of the requirements of the client's vision.</p> <p>The rendered external images have some inaccuracies in representing the design and are only partially complete.</p> <p>The rendered external images require some amendments to be suitable for presentation to the client.</p>	<p>The rendered external images of the virtual model design and mostly meet the requirements of the client's vision.</p> <p>The rendered external images have minimal inaccuracies in representing the design and are mostly complete.</p> <p>The rendered external images are suitable for presentation to the client, with minimal further amendments.</p>	<p>The rendered external images of the virtual model represent the design, appropriately meet the requirements of the client's vision.</p> <p>The rendered external images of the design are accurately produced and complete.</p> <p>The rendered external images are suitable for presentation to the client without further amendments.</p>

Assessment focus	Sub task	Band 0	Band 1	Band 2	Band 3	Band 4
		0	1-3	4-6	7-9	10-12
	Use of CAD to show rendered internal view of the virtual model		<p>The rendered internal images of the virtual model represent the design but are limited in meeting the requirements of the client's vision.</p> <p>The rendered internal images lack accuracy in representing the design and are incomplete.</p> <p>The rendered internal images require substantial amendments to be suitable for presentation to the client.</p>	<p>The rendered internal images of the virtual model represent the design and meet some of the requirements of the client's vision.</p> <p>The rendered internal images have some inaccuracies in representing the design and are only partially complete.</p> <p>The rendered internal images require some amendments to be suitable for presentation to the client.</p>	<p>The rendered internal images of the virtual model represent the design and mostly meet the requirements of the client's vision.</p> <p>The rendered internal images have minimal inaccuracies in representing the design and are mostly complete.</p> <p>The rendered internal images are suitable for presentation to the client with minimal further amendments.</p>	<p>The rendered internal images of the virtual model represent the design, appropriately meet the requirements of the client's vision.</p> <p>The rendered internal images of the design are accurately produced and complete.</p> <p>The rendered internal images are suitable for presentation to the client without further amendments.</p>
		No rewardable material.				

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