higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

MARKING GUIDELINE

NATIONAL CERTIFICATE (VOCATIONAL)

ARCHITECTURAL GRAPHICS AND TECHNOLOGY
NQF LEVEL 2
(First paper)

18 November 2024

This marking guideline consists of 19 pages.

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QUESTION 1: RUBRIC			
PART OF DRAWING	**MARKING CRITERIA**	**POSSIBLE MARK**	**REMARKS**
Concrete strip: width, excavation depth, concrete thickness	Correctness	4	
	Dimensioning	4	
	Hatching	1	
DPC, DPM, compaction layers, screed, ground level	Correctness	5	Compacted hard core, sand layer and screed
	Hatching	4	
	Labelling	5	
Wall, brick force, brick footings	Correctness	5	
	Hatching	2	
	Labelling	2	Brick footings, brick force
	Subtotal	32	Overall correctness
	Divide by	3.2	
	Correctness	**10**	
	Line work	**5**	
	Accuracy	**2**	
	Title and scale	**2**	
	Balanced layout and neatness	**1**	
	TOTAL	**20**	

NOTE: No marks should be allocated for any part of the drawing in the incorrect position other than the marks allocated for hatching of that component.

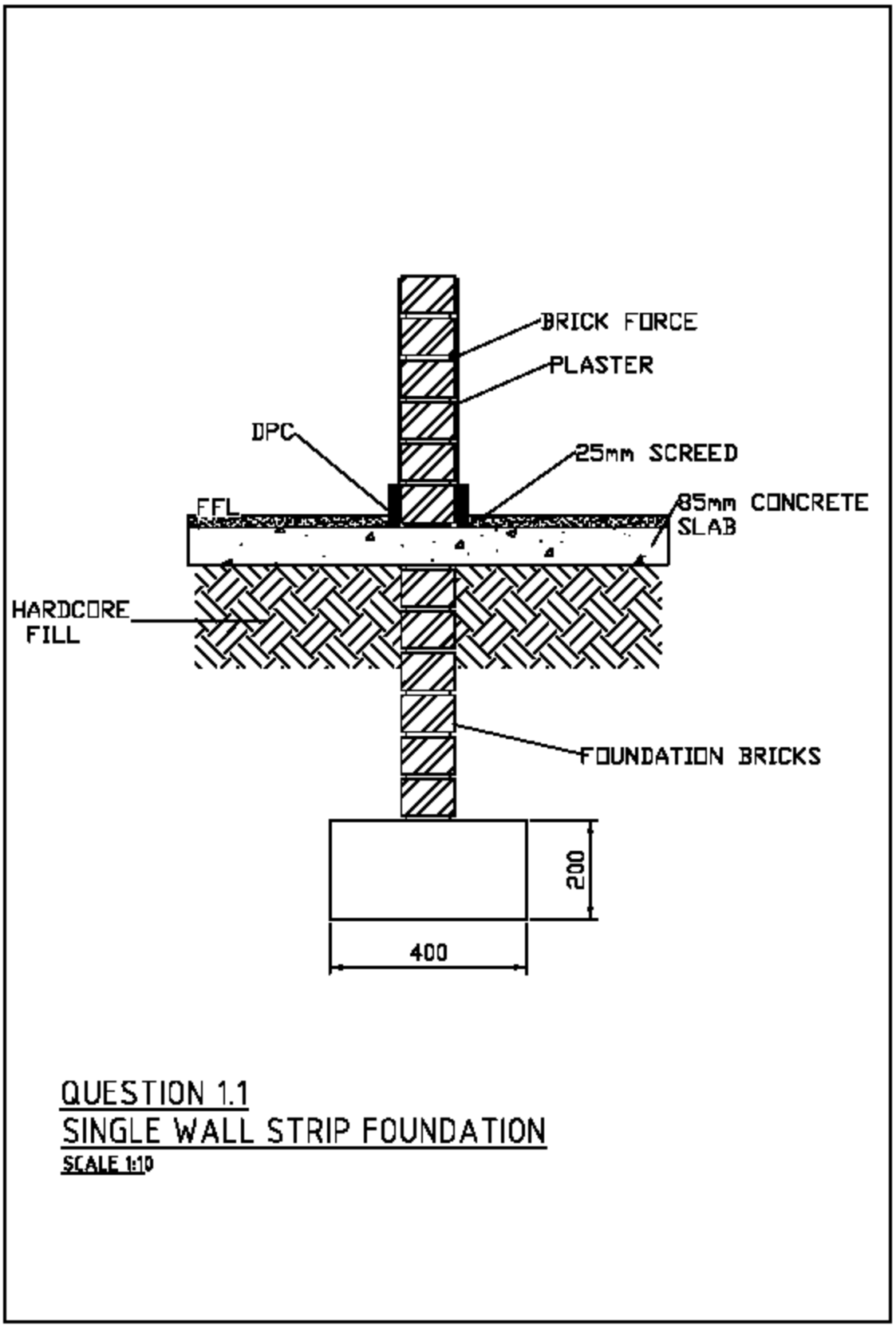
Marks should be allocated for neatness, correct title and scale if the drawing is completely incorrect. **[20]**

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SUMMARY: QUESTION 1

Marking criteria	Possible mark	Marker	Internal moderator	External moderator
Correctness	14			
Hatching	8			
Labels	7			
Dimensions	3			
Subtotal	**32**			
Divide by	**3.2**			
Correctness	**10**			
Line work	**5**			
Accuracy	**2**			
Title and scale	**2**			
Balanced layout and neatness	**1**			
TOTAL	**20**			

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QUESTION 1.1
SINGLE WALL STRIP FOUNDATION
SCALE 1:10

QUESTION 2.1: RUBRIC			
PART OF DRAWING	**MARKING CRITERIA**	**POSSIBLE MARK**	**REMARKS**
T-junction	Correctness	7	
	Dimension	2	
	Labels	3	
Corner junction	Correctness	7	
	Dimension	2	
	Labels	3	
	Subtotal	24	Overall correctness
	Divide by	3	
	Correctness	**8**	
	Line work	**2**	
	Accuracy	**1**	
	Title and scale	**1**	
	Balanced layout and neatness	**2**	
	TOTAL	**14**	

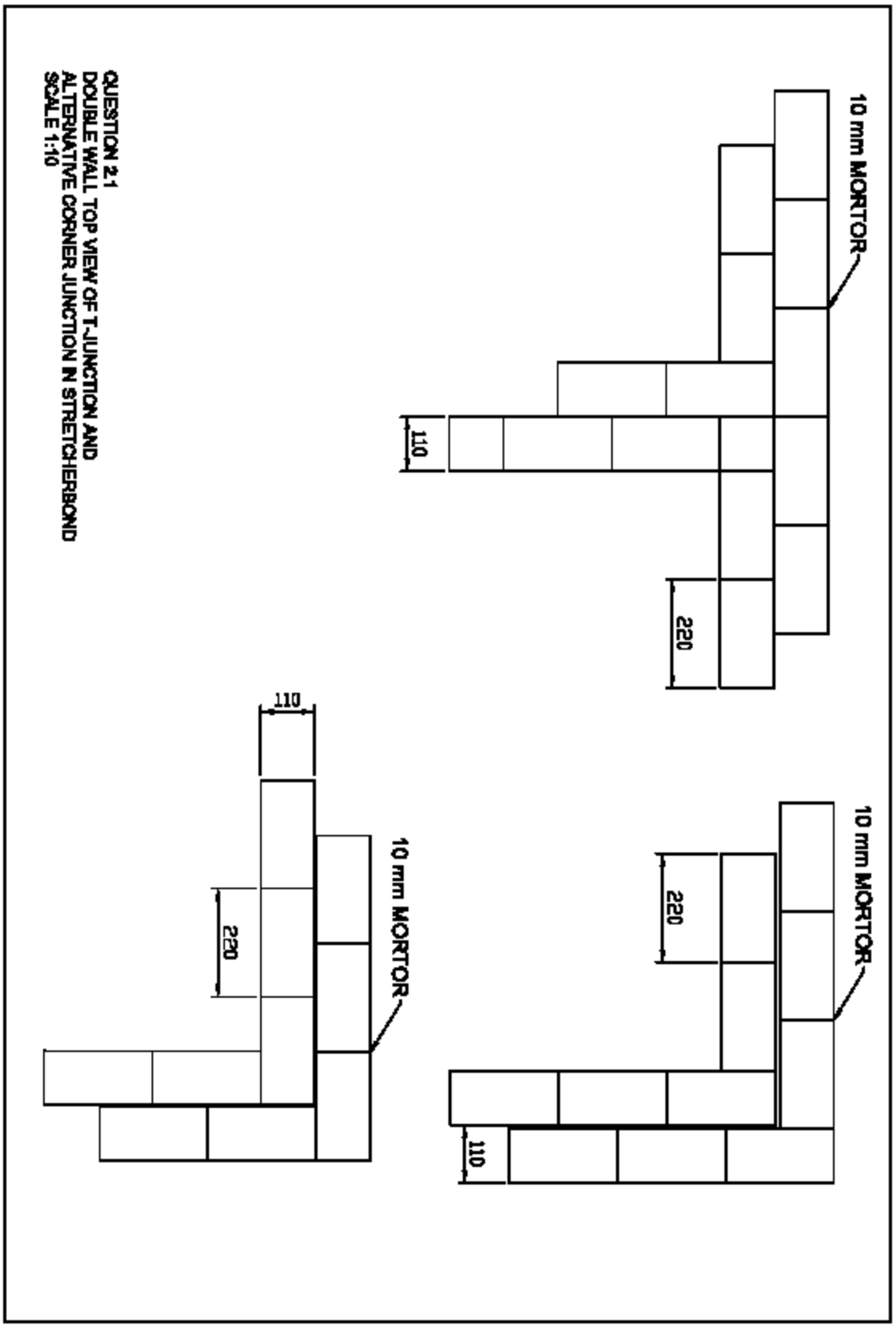
NOTE: No marks should be allocated for any part of the drawing in the incorrect position other than the marks allocated for hatching of that component.

Marks should be allocated for neatness, correct title and scale if the drawing is completely incorrect. (14)

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SUMMARY: QUESTION 2.1

Marking criteria	Possible mark	Marker	Internal moderator	External moderator
Correctness	14			
Labels	6			
Dimensions	4			
Subtotal	**24**			
Divide by	**3**			
Correctness	**8**			
Line work	**2**			
Accuracy	**1**			
Title and scale	**1**			
Balanced layout and neatness	**2**			
TOTAL	**14**			


QUESTION 2.1
DOUBLE WALL TOP VIEW OF T-JUNCTION AND
ALTERNATIVE CORNER JUNCTION IN STRETCHERBOND
SCALE 1:10
10 mm MORTOR
110
220
10 mm MORTOR
220
110
110
220
10 mm MORTOR

QUESTION 2.2: RUBRIC			
PART OF DRAWING	**MARKING CRITERIA**	**POSSIBLE MARK**	**REMARKS**
Corner iso drawing of alternate courses (1 course)	Correctness	5	
Corner iso drawing of alternate courses (1 course)	Correctness	5	
	Subtotal	10	
	Divide by	2	
	Correctness	**5**	
	Line work	**2**	
	Accuracy	**1**	
	Title and scale	**1**	
	Balanced layout and neatness	**2**	
	TOTAL	**11**	

NOTE: No marks should be allocated for any part of the drawing in the incorrect position other than the marks allocated for hatching of that component.

Marks should be allocated for neatness, correct title and scale if the drawing is completely incorrect. (11)

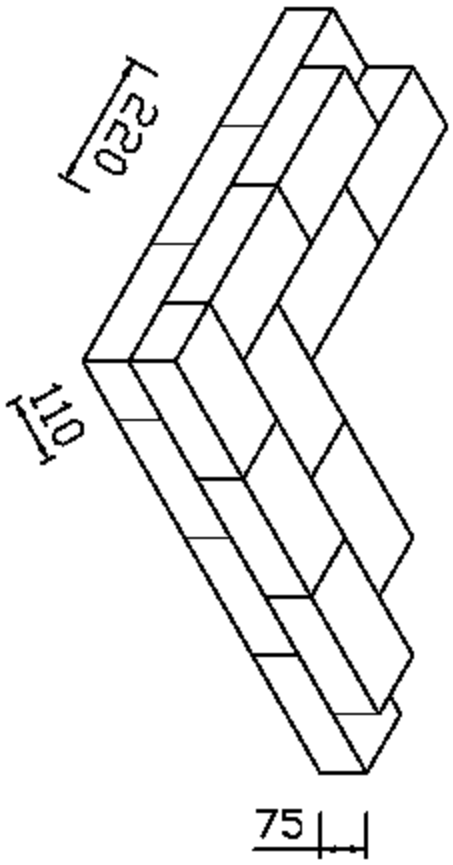
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SUMMARY: QUESTION 2.2

Marking criteria	Possible mark	Marker	Internal moderator	External moderator
Correctness	10			
Subtotal	**10**			
Divide by	**2**			
Correctness	**5**			
Line work	**2**			
Accuracy	**1**			
Title and scale	**1**			
Balanced layout and neatness	**2**			
TOTAL	**11**			

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QUESTION 2.2
ISOMETRIC VIEW OF A RIGHT-ANGLE EXTERNAL CORNER IN STRETCHERBOND SCALE 1:10



[25]

QUESTION 3.1: RUBRIC			
PART OF DRAWING	**MARKING CRITERIA**	**POSSIBLE MARK**	**REMARKS**
Masonry and lintel	Correctness	3	
	Labelling	2	
	Hatching	1	
Sectional view	Correctness	3	
	Hatching	1	
	Labelling	2	
	Subtotal	12	Overall correctness
	Divide by	2	
	Correctness	**6**	
	Line work	**3**	
	Accuracy	**2**	
	Title and scale	**2**	
	Balanced layout and neatness	**2**	
	TOTAL	**15**	

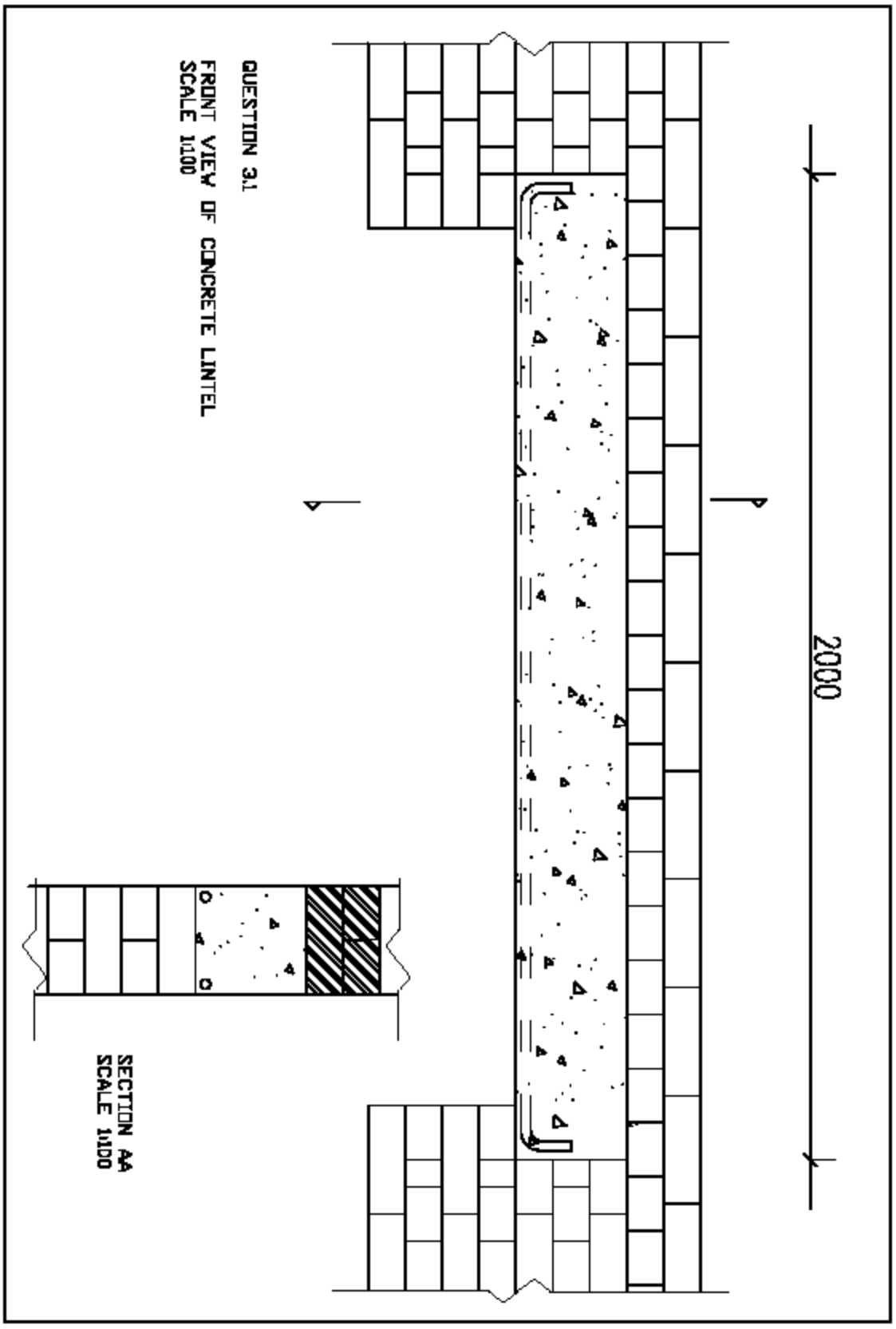
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Marks should be allocated for neatness, correct title and scale if the drawing is completely incorrect. (15)

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SUMMARY: QUESTION 3.1

Marking criteria	Possible mark	Marker	Internal moderator	External moderator
Correctness	6			
Hatching	2			
Labels	4			
Dimensions	3			
Subtotal	**12**			
Divide by	**2**			
Correctness	**6**			
Line work	**3**			
Accuracy	**2**			
Title & scale	**2**			
Balanced layout and neatness	**2**			
TOTAL	**15**			


QUESTION 3.1
FRONT VIEW OF CONCRETE LINTEL
SCALE 1:100
2000
SECTION AA
SCALE 1:100

QUESTION 3.2: RUBRIC			
PART OF DRAWING	**MARKING CRITERIA**	**POSSIBLE MARK**	**REMARKS**
Segmental arch	Correctness	6	
	Dimensions	2	
	Labelling	10	
	Subtotal	18	Overall correctness
	Divide by	2	
	Correctness	**9**	
	Line work	**2**	
	Accuracy	**1**	
	Title and scale	**2**	
	Balanced layout and neatness	**1**	
	TOTAL	**15**	

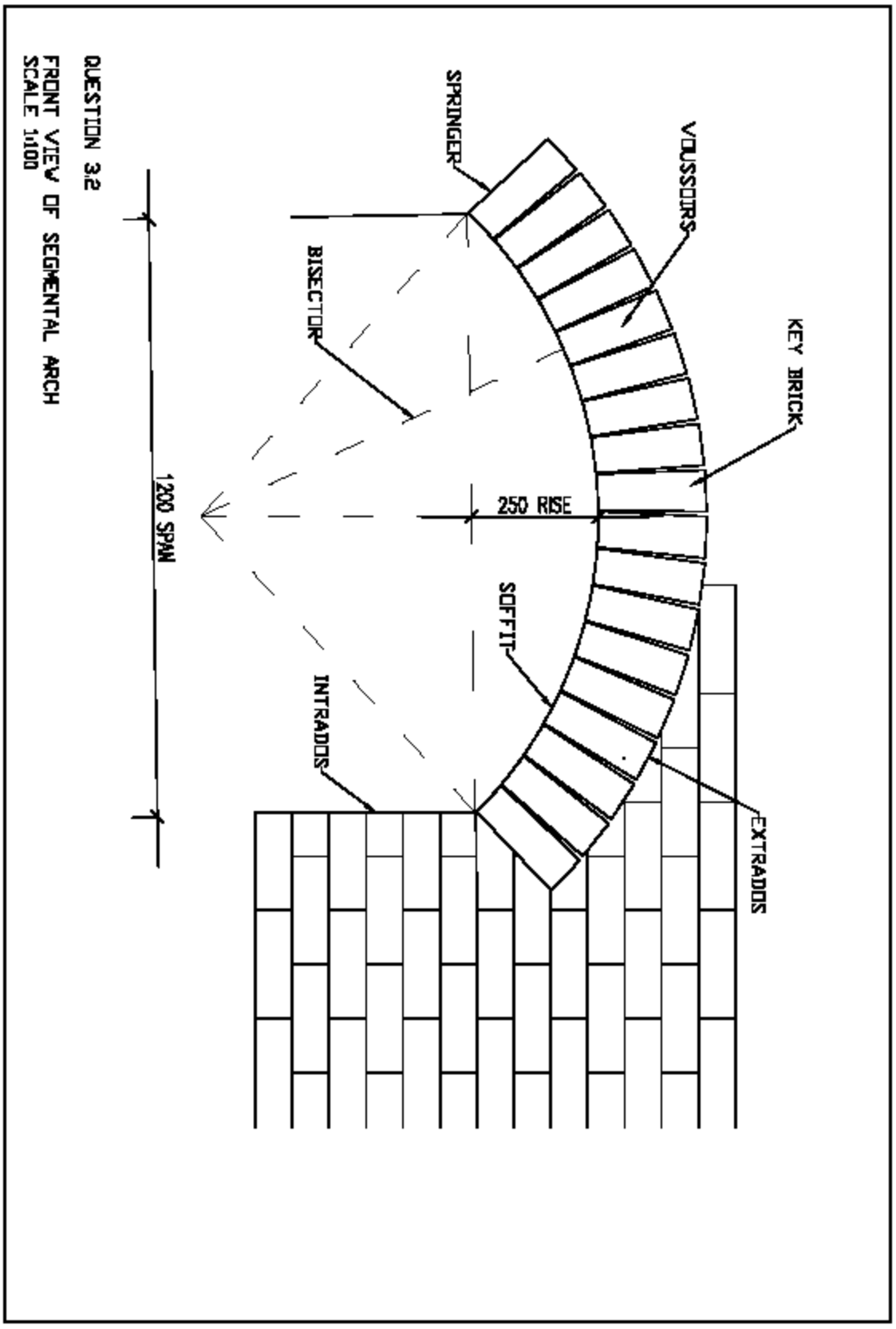
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Marks should be allocated for neatness, correct title and scale if the drawing is completely incorrect. (15)

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SUMMARY: QUESTION 3.2

Marking criteria	Possible mark	Marker	Internal moderator	External moderator
Correctness	6			
Labels	10			
Dimensions	2			
Subtotal	**18**			
Divide by	**2**			
Correctness	**9**			
Line work	**2**			
Accuracy	**1**			
Title and scale	**2**			
Balanced layout and neatness	**1**			
TOTAL	**15**			


QUESTION 3.2
FRONT VIEW OF SEGMENTAL ARCH
SCALE 1:100
SPRINGER
VOUSSOIRS
KEY BRICK
BISECTOR
1200 SPAN
250 RISE
SOFFIT
INTRADOS
EXTRADOS

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QUESTION 4: RUBRIC			
PART OF DRAWING	**MARKING CRITERIA**	**POSSIBLE MARK**	**REMARKS**
Section roof	Correctness	6	Tiles, roof layout
	Sizes	5	On dwg or notes for rafters, tie beams, battens, wall plates
	Labelling	5	Roof notes
Section, foundation and walls	Correctness	5	
	Labels	2	
	Dimensions	4	Including foundation sizes
	Subtotal	26	Overall correctness
	Divide by	1.8	
	Correctness	**15**	
	Line work	**4**	
	Accuracy	**2**	
	Title and scale	**2**	
	Balanced layout and neatness	**2**	
	TOTAL	**25**	

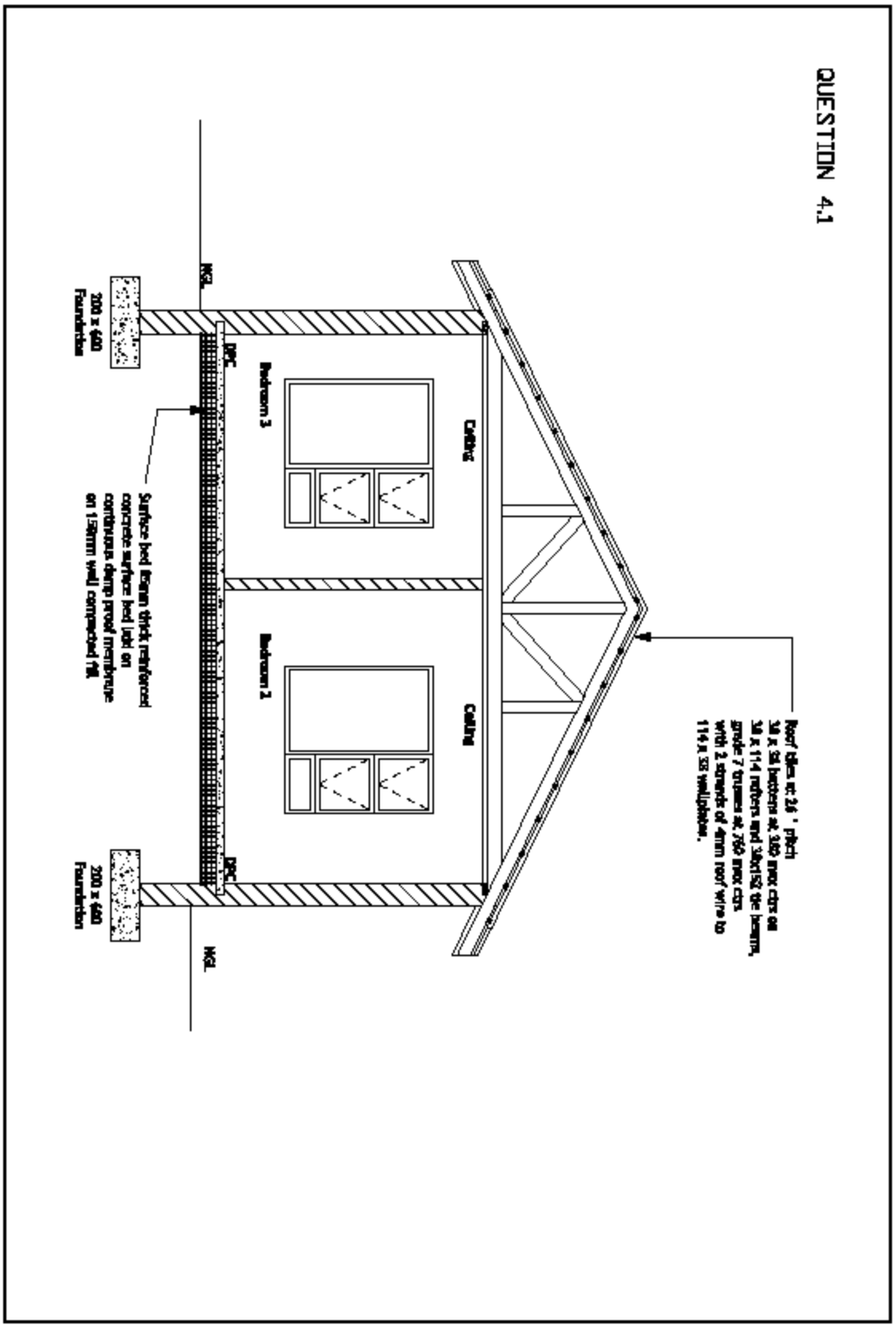
NOTE: No marks should be allocated for any part of the drawing in the incorrect position other than the marks allocated for hatching of that component.

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SUMMARY: QUESTION 4

Marking criteria	Possible mark	Marker	Internal moderator	External moderator
Correctness	15			
Dwelling label	2			
Labels	5			
Dimensions	9			
Subtotal	**26**			
Divide by	**1.8**			
Correctness	**15**			
Line work	**4**			
Accuracy	**2**			
Title and scale	**2**			
Balanced layout and neatness	**2**			
TOTAL	**25**			



[25]

TOTAL: **100**

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