higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

MARKING GUIDELINE

NATIONAL CERTIFICATE (VOCATIONAL)

ARCHITECTURAL GRAPHICS AND TECHNOLOGY

(First paper)

NQF LEVEL 2

22 November 2023

This marking guideline consists of 20 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	
	Dimensions	4	
	Hatching	1	
DPC, DPM, compaction layers, screed, ground level	Correctness	5	Compacted hardcore, sand layer and screed
	Hatching	4	
	Labels	5	
Wall, brick force, brick footings	Correctness	5	
	Hatching	2	
	Labels	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 and correct title and scale if the drawing is completely incorrect. **[20]**

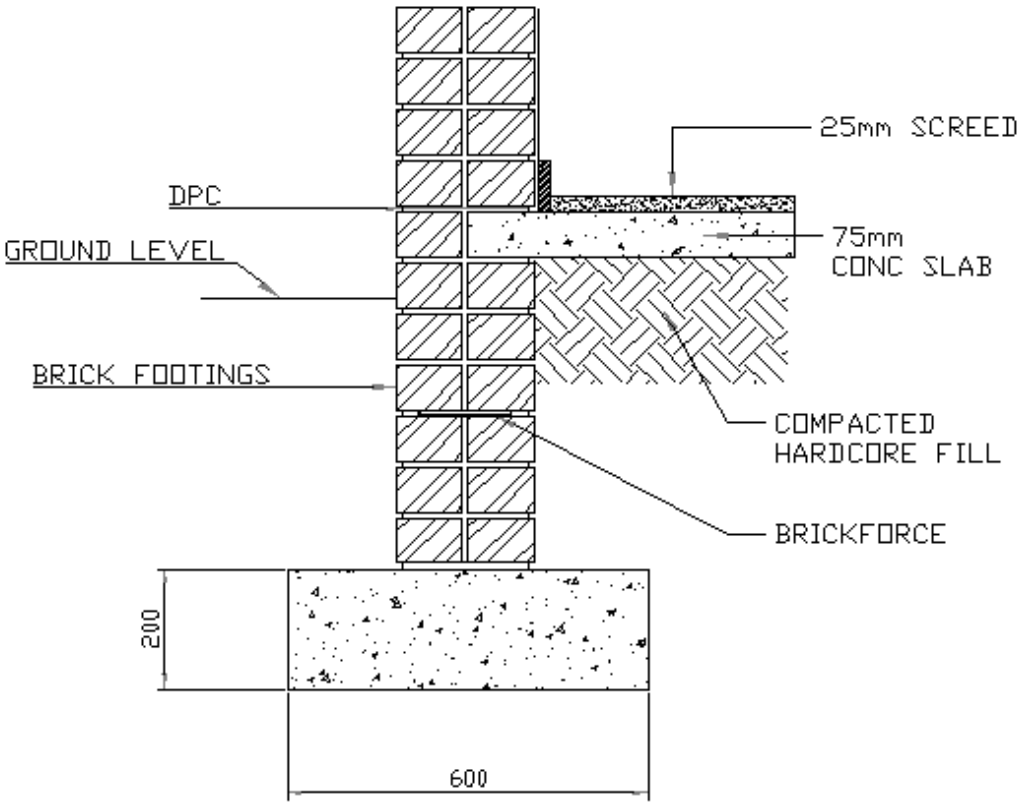
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SUMMARY QUESTION 1

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



STRIP FOUNDATION
SCALE 1:10

QUESTION 2.1 RUBRIC			
PART OF DRAWING	**MARKING CRITERIA**	**POSSIBLE MARK**	**REMARKS**
T-junction	Correctness	7	
	Dimensions	2	
	Labels	3	
Corner junction	Correctness	7	
	Dimensions	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**	

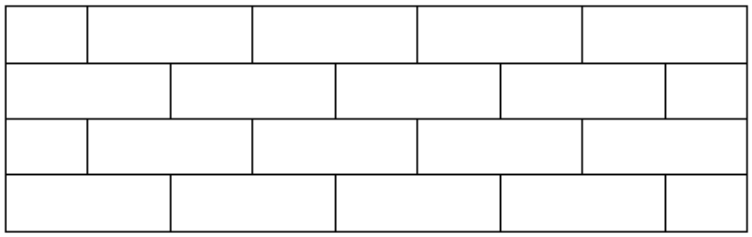
NOTE: No marks should be allocated for any part of the drawing in the incorrect position other than the marks allocated for hatching of that component.

Marks should be allocated for neatness and correct title and scale if the drawing is completely incorrect. **[14]**

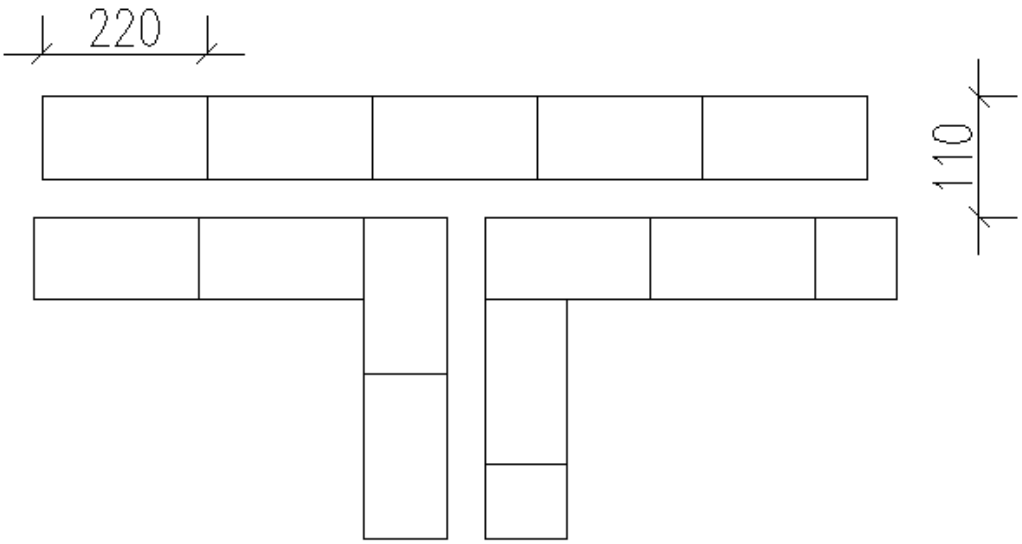
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SUMMARY QUESTION 2.1

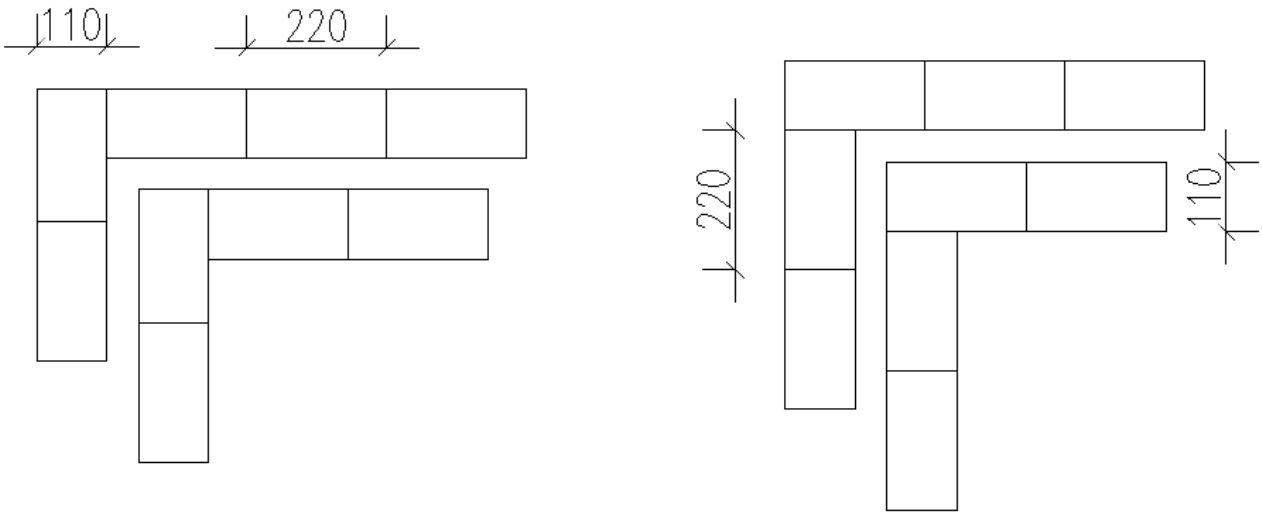
Marking criteria	Possible mark	Marker	Internal moderator	External moderator
Correctness	14			
Labels	6			
Dimensions	4			
Subtotal	**24**			
Divide by	**3**			
Correctness	**8**			
Line work	**2**			
Accuracy	**1**			
Title and scale	**1**			
Balanced layout and neatness	**2**			
TOTAL	**14**			



FRONT VIEW OF T-JUNCTION IN CAVITY STRETCHER BOND
SCALE 1:10



QUESTION 2.1.1
TOP VIEW OF T-JUNCTION IN CAVITY STRETCHER BOND
SCALE 1:10



QUESTION 2.1.2
TOP VIEW OF CORNER IN CAVITY STRETCHER BOND
SCALE 1:10

QUESTION 2.2 RUBRIC			
PART OF DRAWING	**MARKING CRITERIA**	**POSSIBLE MARK**	**REMARKS**
Corner isometric drawing of alternate courses (1 course)	Correctness	5	
Corner isometric 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.

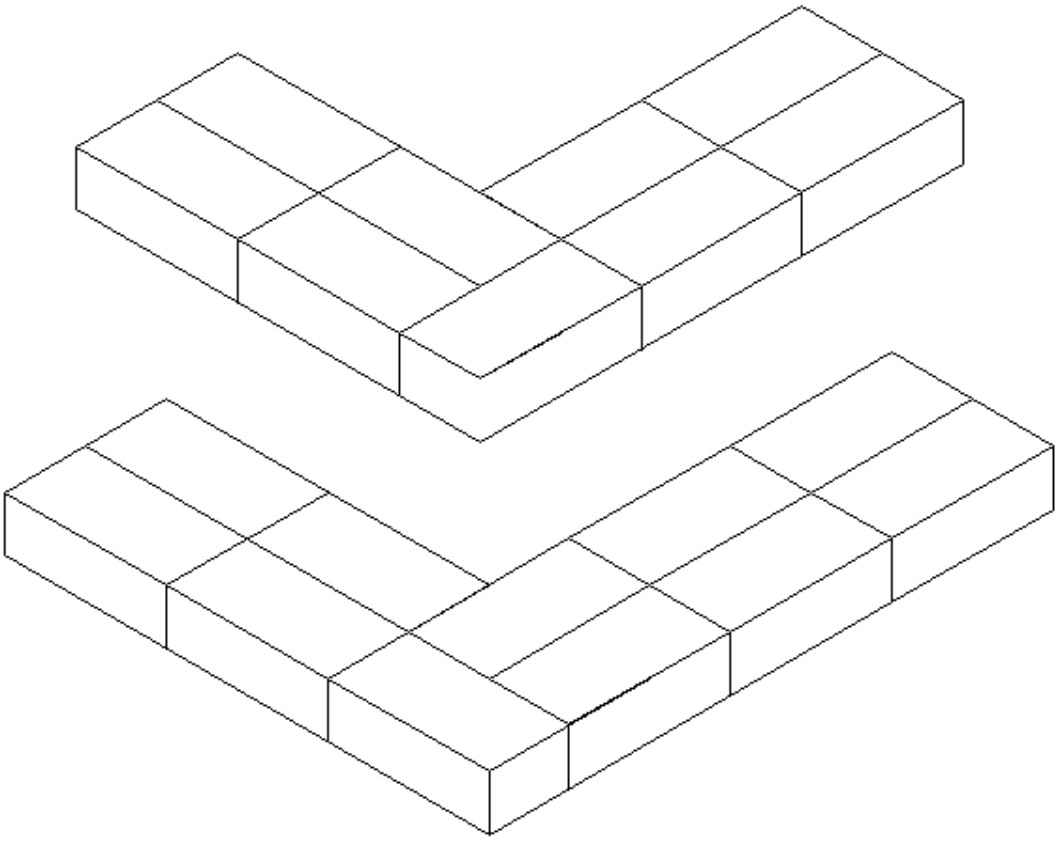
Marks should be allocated for neatness and correct title and scale if the drawing is completely incorrect. **[11]**

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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
ALTERNATE PLAN COURSE OF CORNER IN STRETCHER BOND
SCALE 1:10

QUESTION 3.1 RUBRIC			
PART OF DRAWING	**MARKING CRITERIA**	**POSSIBLE MARK**	**REMARKS**
Masonry and lintel	Correctness	3	
	Labels	2	
	Hatching	1	
Sectional view	Correctness	3	
	Hatching	1	
	Labels	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**	

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.

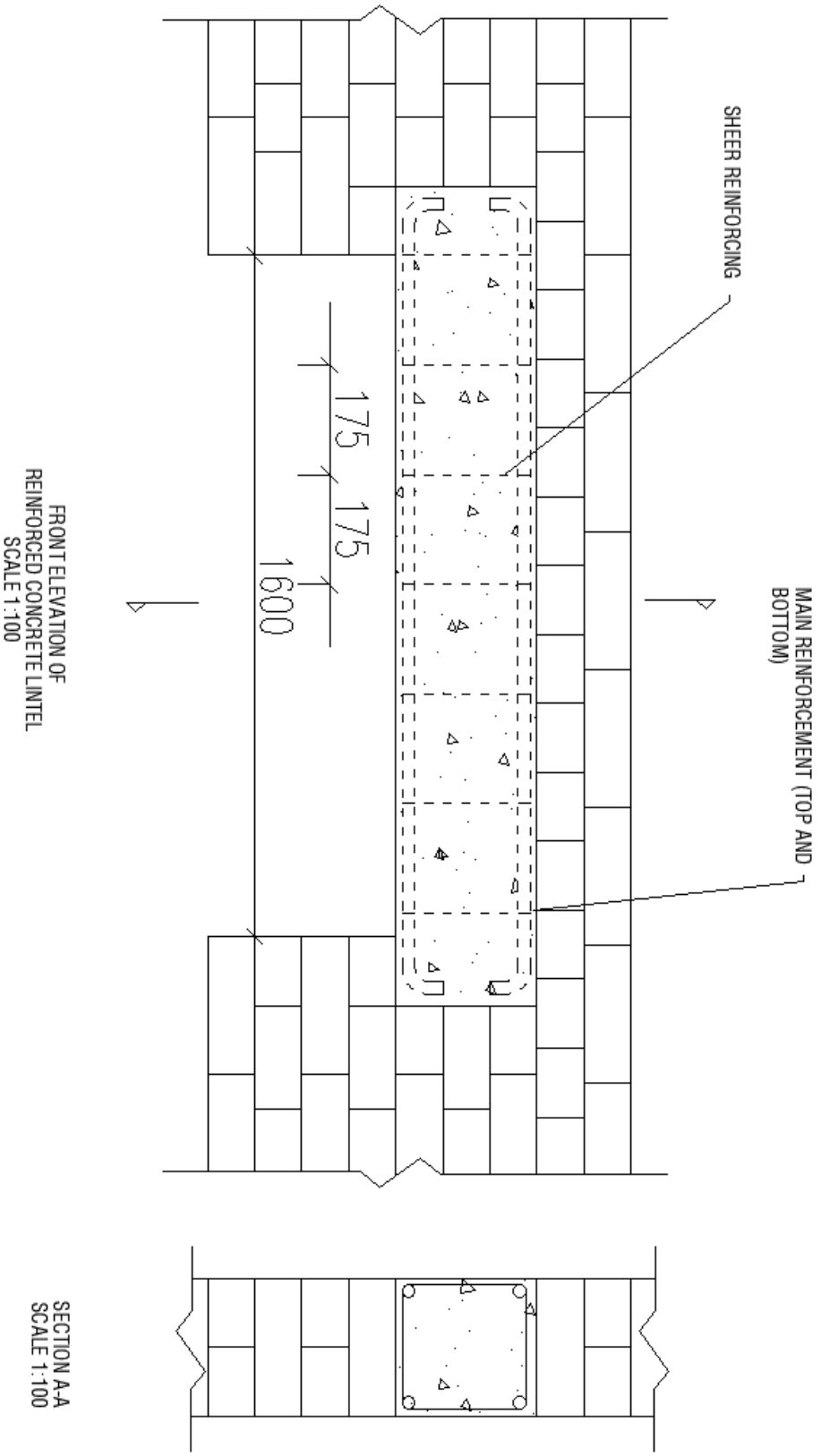
Marks should be allocated for neatness and correct title and scale if the drawing is completely incorrect. **[15]**

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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 and scale	**2**			
Balanced layout and neatness	**2**			
TOTAL	**15**			

QUESTION 3.1


SHEER REINFORCING
MAIN REINFORCEMENT (TOP AND BOTTOM)
175
175
1600
FRONT ELEVATION OF REINFORCED CONCRETE LINTEL SCALE 1:100
SECTION A-A SCALE 1:100

QUESTION 3.2 RUBRIC			
PART OF DRAWING	**MARKING CRITERIA**	**POSSIBLE MARK**	**REMARKS**
Segmental arch	Correctness	6	
	Dimensions	2	
	Labels	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**	

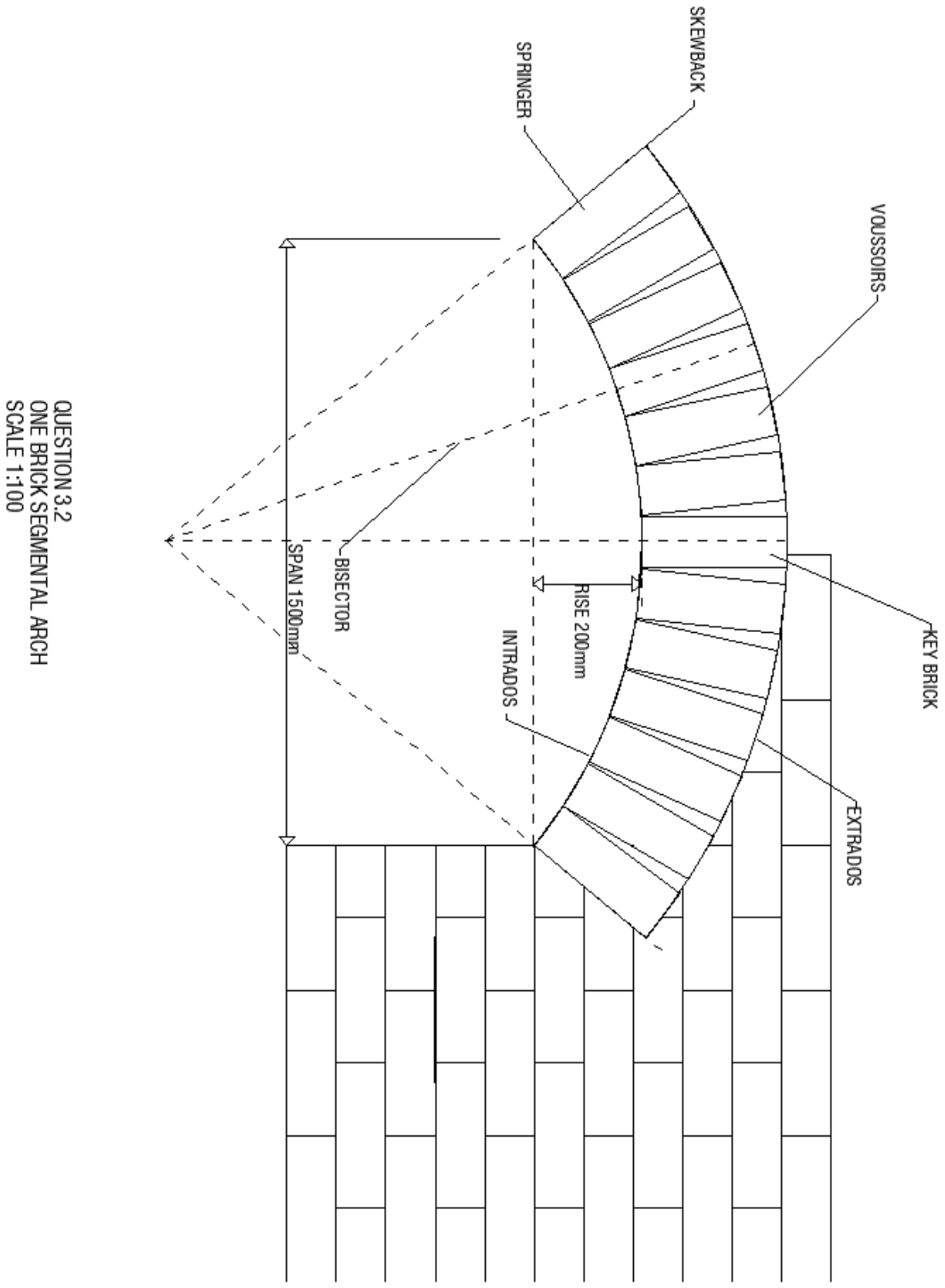
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Marks should be allocated for neatness and correct title and scale if the drawing is completely incorrect. **[15]**

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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
ONE BRICK SEGMENTAL ARCH
SCALE 1:100

QUESTION 4 RUBRIC			
PART OF DRAWING	**MARKING CRITERIA**	**POSSIBLE MARK**	**REMARKS**
Site layout	Correctness	6	Erf numbers, street name, building lines, drainage connection
	Dimensions	5	Boundary sizes
	Labels	5	
Dwelling	Correctness	5	Roof lines, dwelling profile
	Labels	2	Dwelling and garage
	Dimensions	4	Set off
	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**	

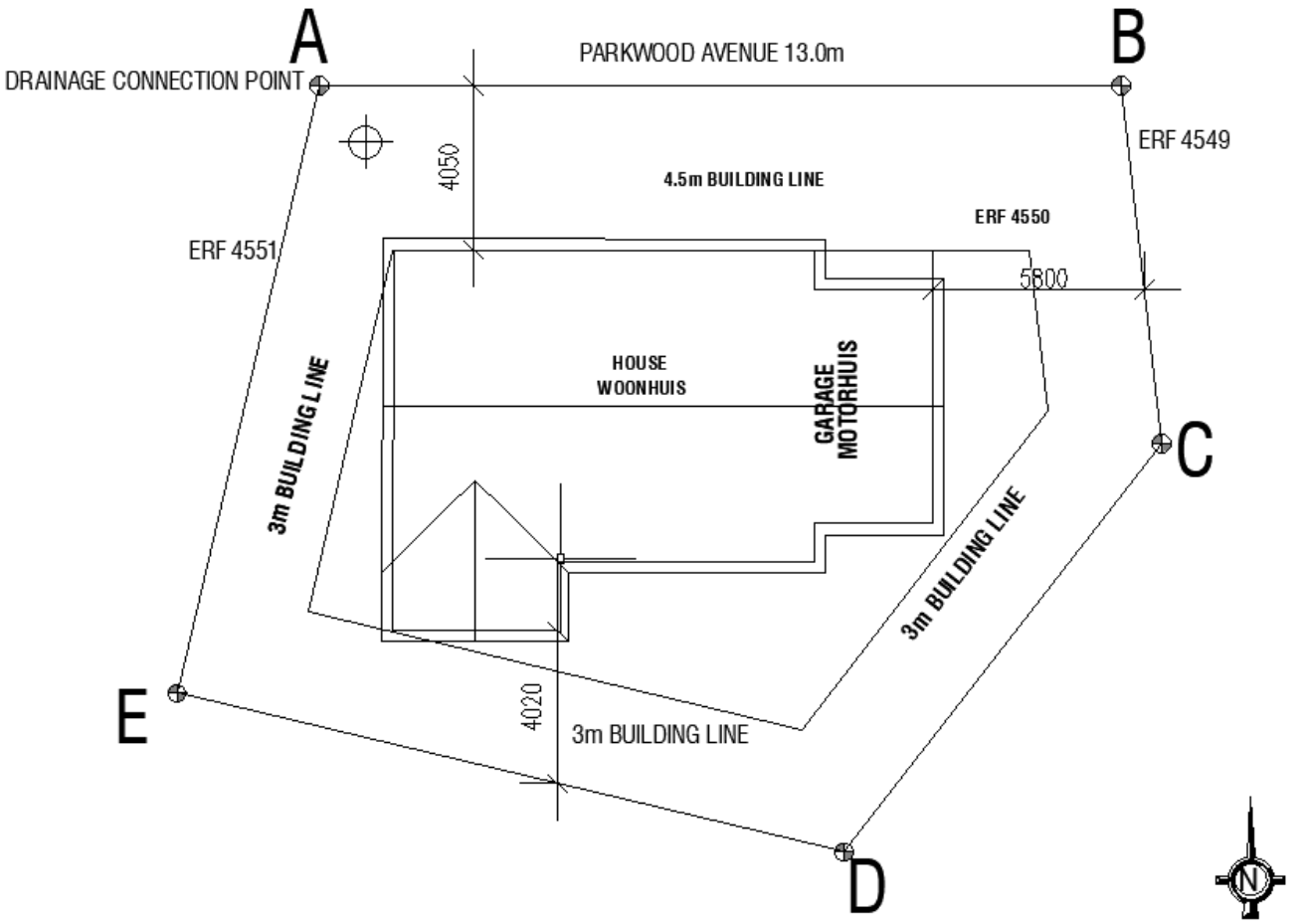
NOTE: No marks should be allocated for any part of the drawing in the incorrect position other than the marks allocated for hatching of that component.

Marks should be allocated for neatness and correct title and scale if the drawing is completely incorrect. **[25]**

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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**			



SITE PLAN
SCALE 1:200

QUESTION 4.1

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