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

11 NOVEMBER 2022

This marking guideline consists of 21 pages.

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QUESTION 1.1 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 hardcore, sand layer and screed
	Hatching	4	
	Labelling	5	
Wall, filled cavity, wall ties, weeping hole	Correctness	5	
	Hatching	2	
	Labelling	2	Weeping hole, wall ties
	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.

If the drawing is completely incorrect, marks should be allocated for neatness and the correct title and scale.

[20]

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SUMMARY QUESTION 1.1

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 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 the hatching of that component.

If the drawing is completely incorrect, marks should be allocated for neatness and the correct title and scale.

[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 2.2 RUBRIC			
PART OF DRAWING	**MARKING CRITERIA**	**POSSIBLE MARK**	**REMARKS**
T-junction is drawing of alternate courses (2 Courses)	Correctness	5	
T-junction is 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 the hatching of that component.

If the drawing is completely incorrect, marks should be allocated for neatness and the correct title and scale.

[11]

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**			

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**	

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

If the drawing is completely incorrect, marks should be allocated for neatness and the correct title and scale.

[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 3.2 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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If the drawing is completely incorrect, marks should be allocated for neatness and the correct title and scale.

[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 4.1 RUBRIC			
PART OF DRAWING	**MARKING CRITERIA**	**POSSIBLE MARK**	**REMARKS**
Dwelling layout	Correctness	5	
	Design	5	Practical Layout
	Hatching	2	
Windows and doors Room titles, Floor finishes	Correctness	4	
	Hatching	2	
	Labelling	10	
Dimension layers, North indicator	Correctness	3	
	Dimensions	5	
	Labelling	1	North Indicator
	Subtotal	37	Overall correctness
	Divide by	3.7	
	Correctness	**10**	
	Line work	**5**	
	Accuracy	**2**	
	Title and scale	**1**	
	Balanced layout and neatness	**2**	
	TOTAL	**20**	

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

If the drawing is completely incorrect, marks should be allocated for neatness and the correct title and scale.

[20]

SUMMARY QUESTION 4.1

Marking criteria	Possible mark	Marker	Internal moderator	External moderator
Correctness	15			
Hatching	4			
Labels	13			
Dimensions	5			
Subtotal	**37**			
Divide by	**3.7**			
Correctness	**10**			
Line work	**5**			
Accuracy	**2**			
Title and scale	**1**			
Balanced layout and neatness	**2**			
TOTAL	**20**			

QUESTION 5.1 RUBRIC			
PART OF DRAWING	**MARKING CRITERIA**	**POSSIBLE MARK**	**REMARKS**
Triangle	Correctness	1	
	Labelling	1	
Calculations	Correctness	3	
	TOTAL	5	

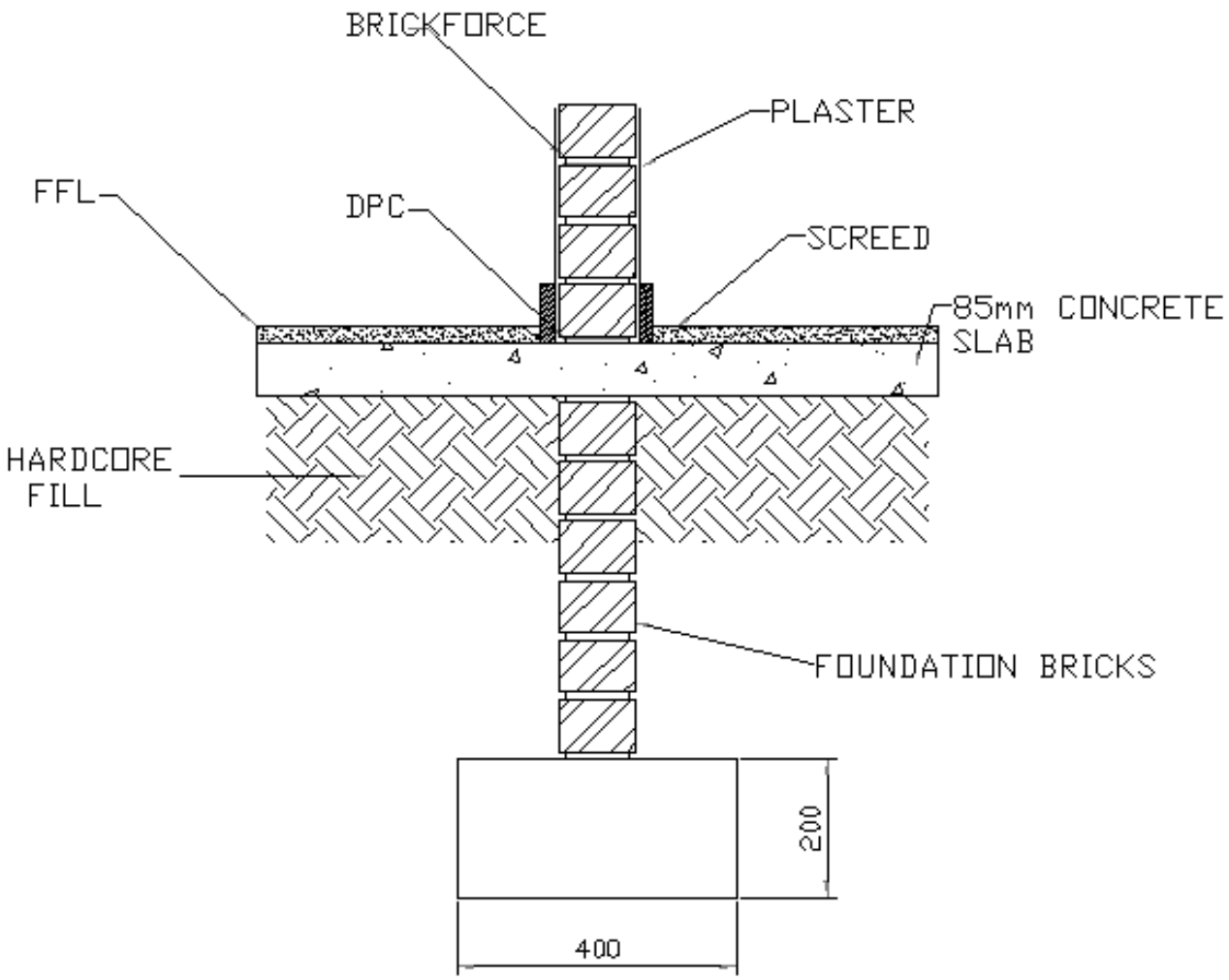
NOTE: NO marks should be allocated for any part of the drawing in the incorrect position other than the marks allocated for the hatching of that component.

If the drawing is completely incorrect, marks should be allocated for neatness and the correct title and scale.

[5]

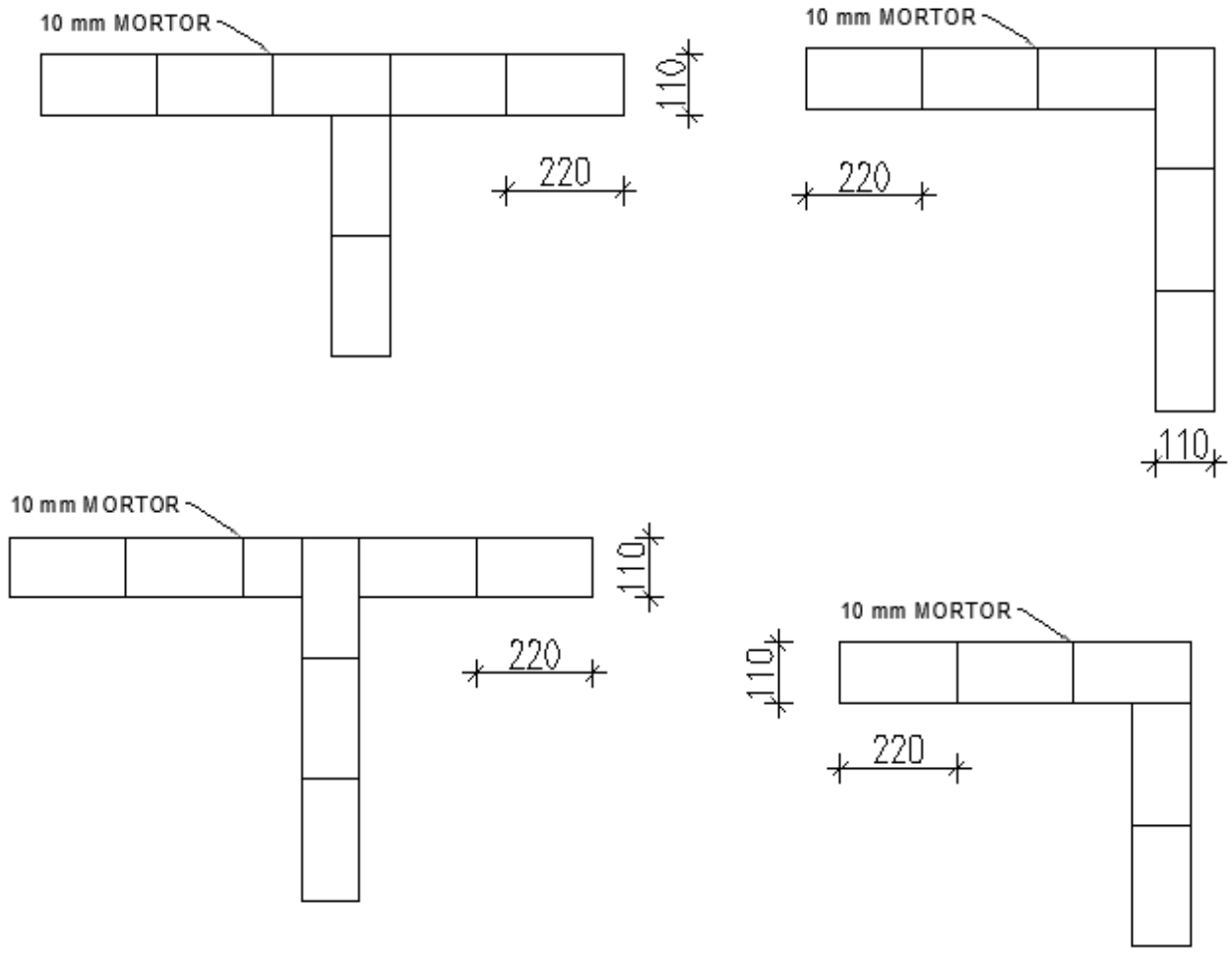
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QUESTION 1.1



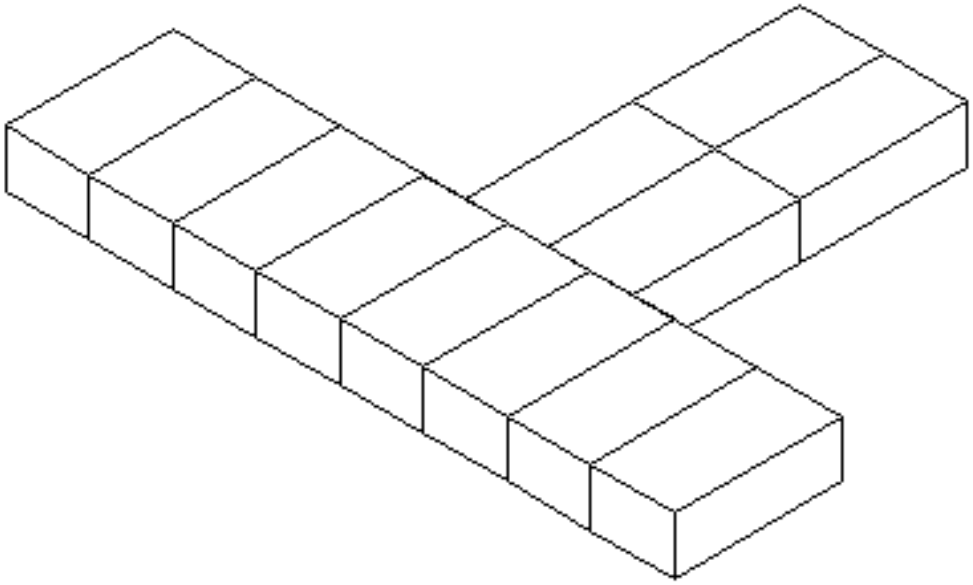
STRIP FOUNDATION
SCALE 1:10

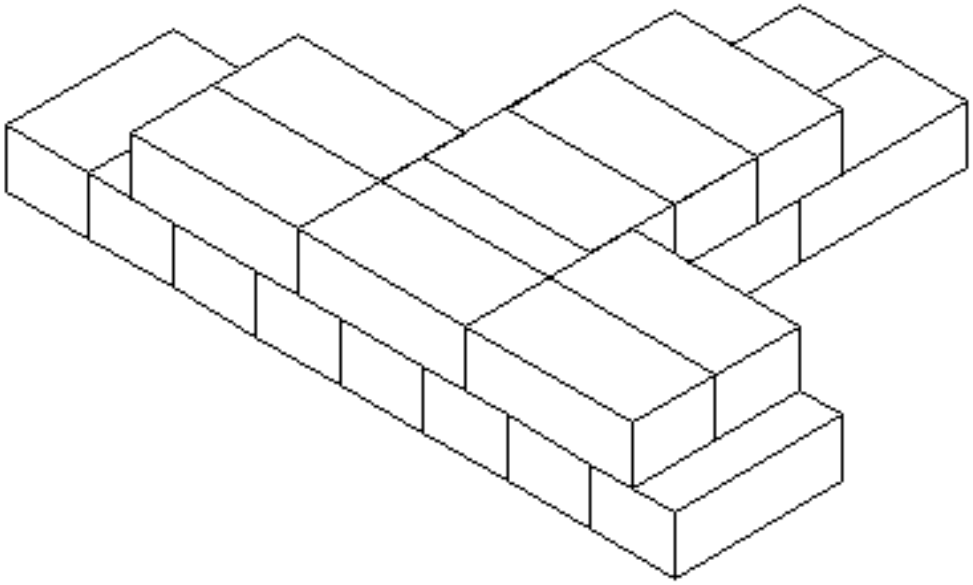
QUESTION 2.1



ALTERNATE TOP VIEW OF T-JUNCTION AND
CORNER JUNCTION IN STRETCHERBOND
SCALE 1:10

QUESTION 2.2

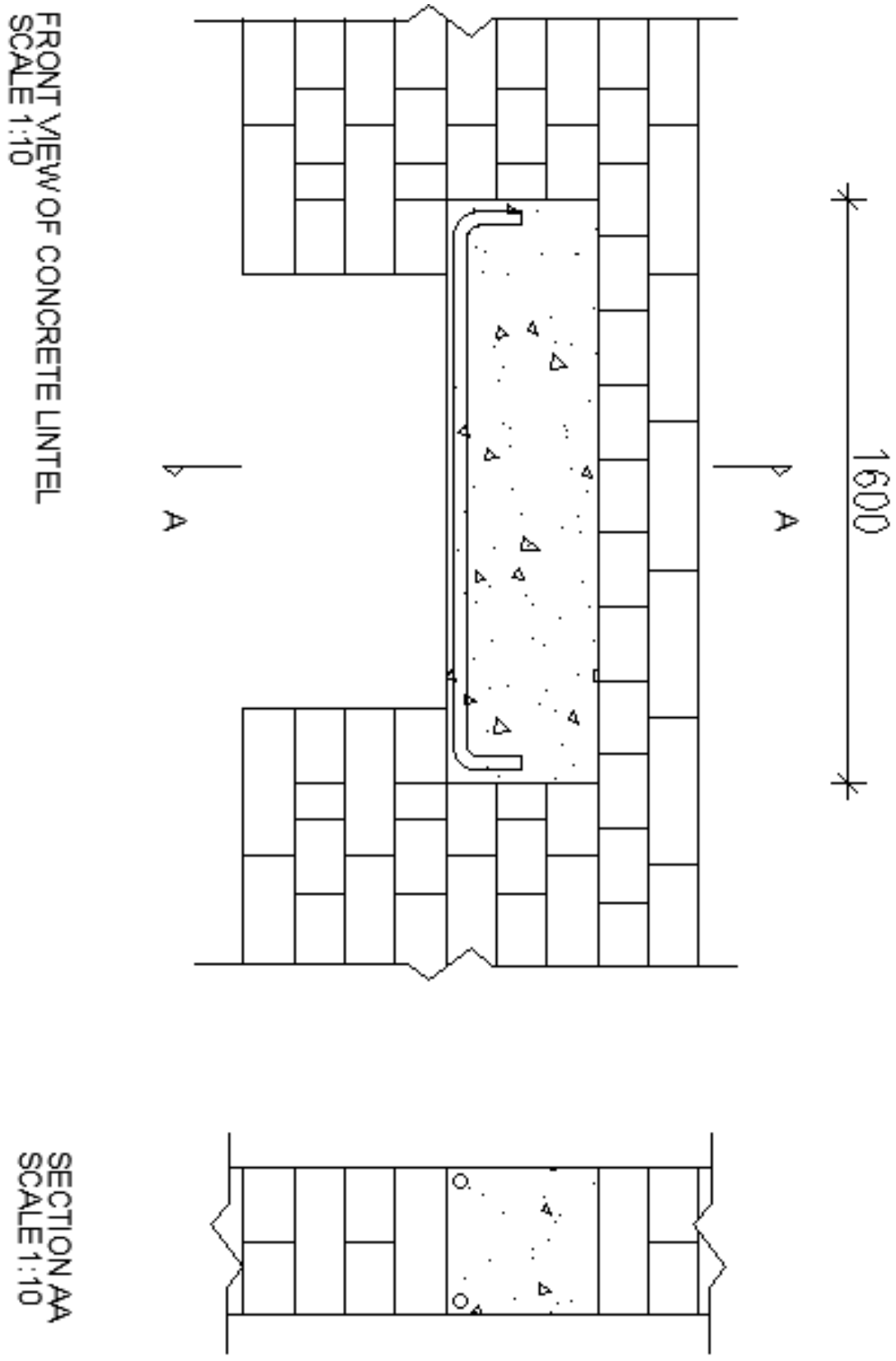




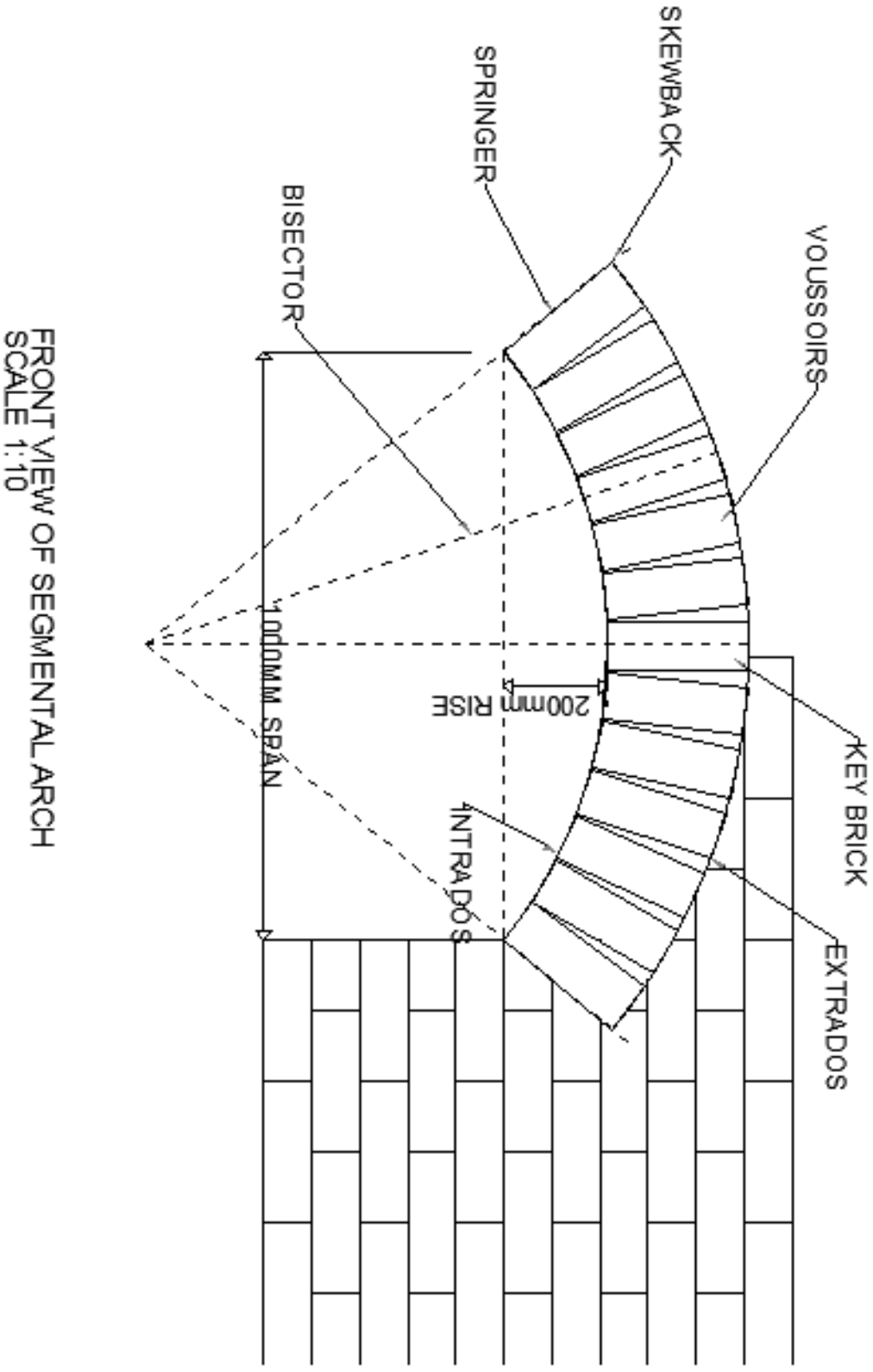
ALTERNATE TOP ISOMETRIC VIEW OF
T-JUNCTION IN ENGLISH BOND
SCALE 1:10

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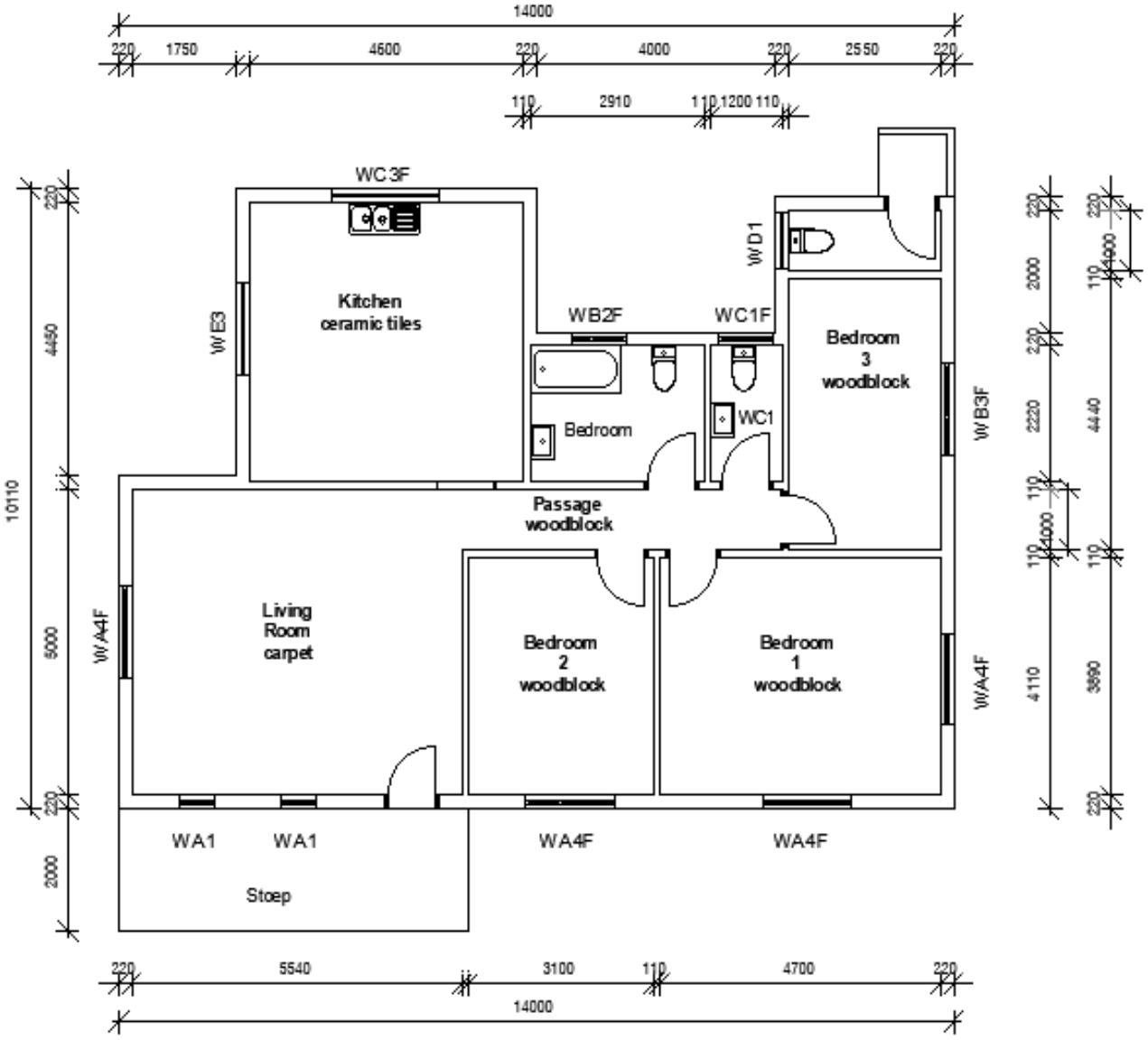
QUESTION 3.1


FRONT VIEW OF CONCRETE LINTEL
SCALE 1:10
A
A
1600
SECTION AA
SCALE 1:10

QUESTION 3.2

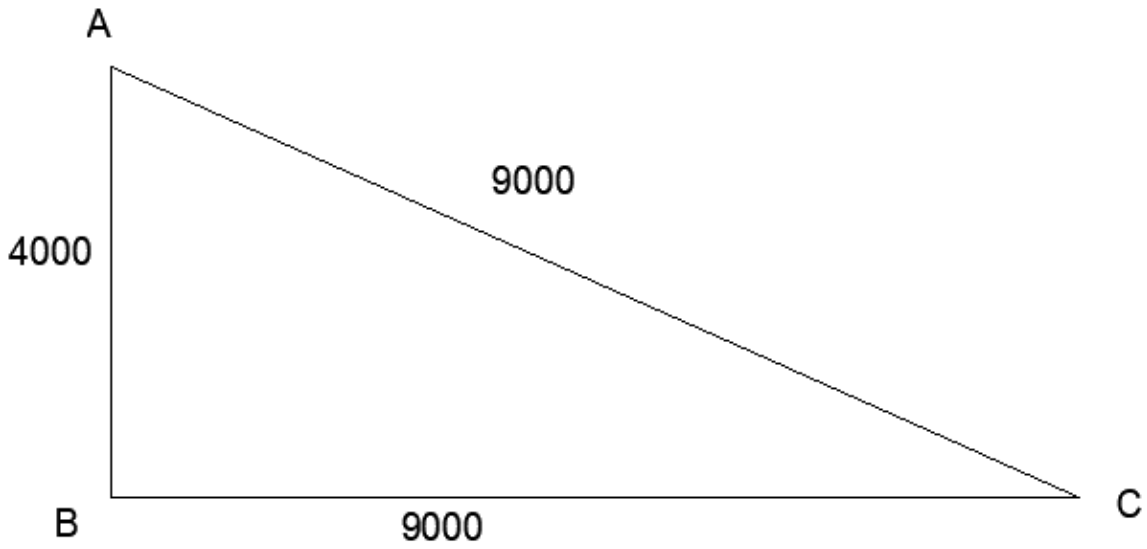

SKEWBACK
SPRINGER
BISECTOR
VOUSSOIRS
1000MM SPAN
200mm RISE
KEY BRICK
INTRADOS
EXTRADOS
FRONT VIEW OF SEGMENTAL ARCH
SCALE 1:10

QUESTION 4.1



FLOORPLAN
SCALE 1:100

QUESTION 5.1



$AC^2 = AB^2 + BC^2$
$AC^2 = 4^2 + 9^2$
$AC^2 = 16 + 81$
$AC^2 = 96$
$AC = 9.79$

SCALE 1:50

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