



**higher education
& training**

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

MARKING GUIDELINE

NATIONAL CERTIFICATE

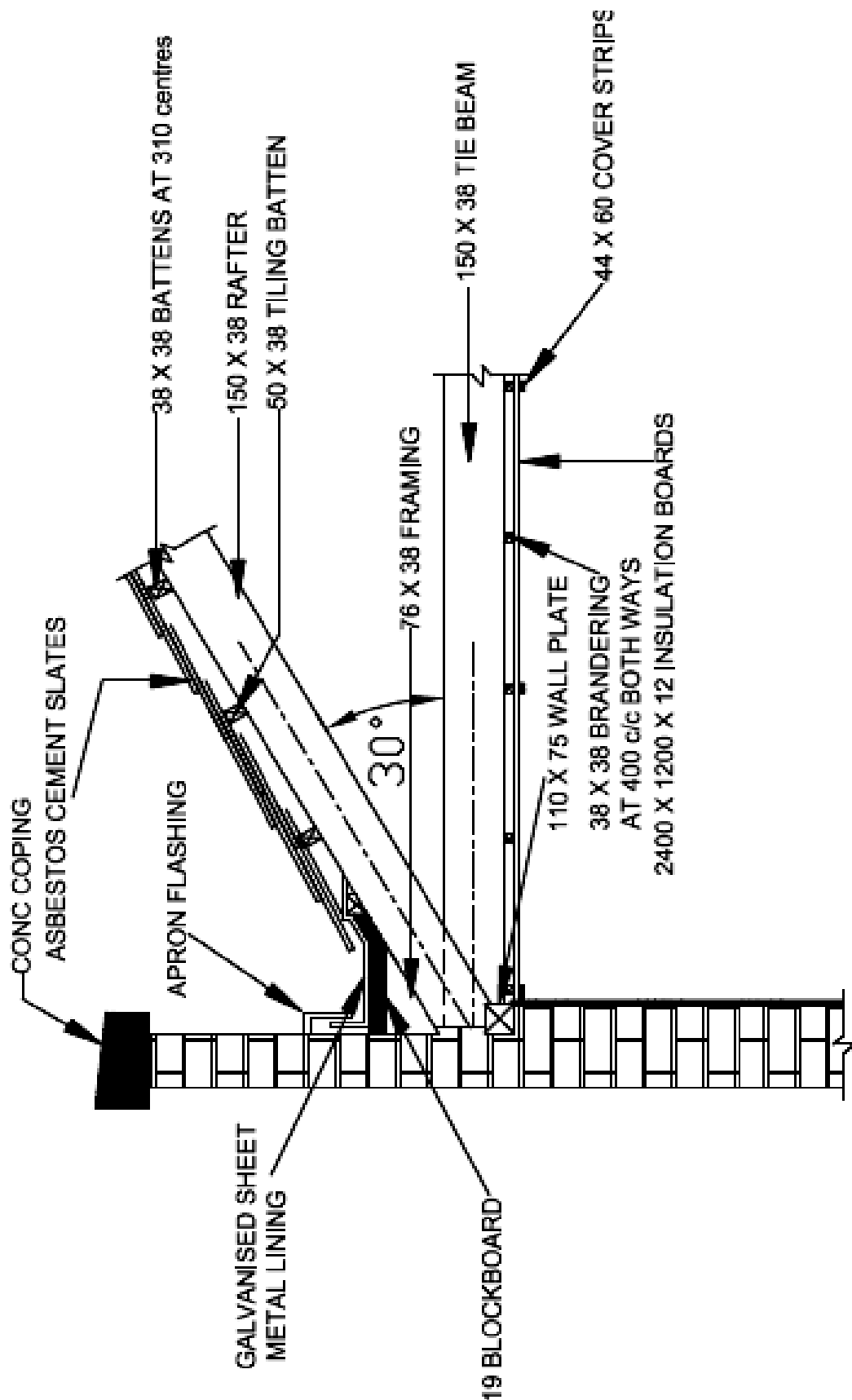
BUILDING DRAWING N3

8 April 2020

This marking guideline consists of 15 pages.

NOTE: Do not allocate marks for any part of a 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.

QUESTION 1: PITCH ROOF WITH A PARAPET GUTTER AND PARAPET WALL

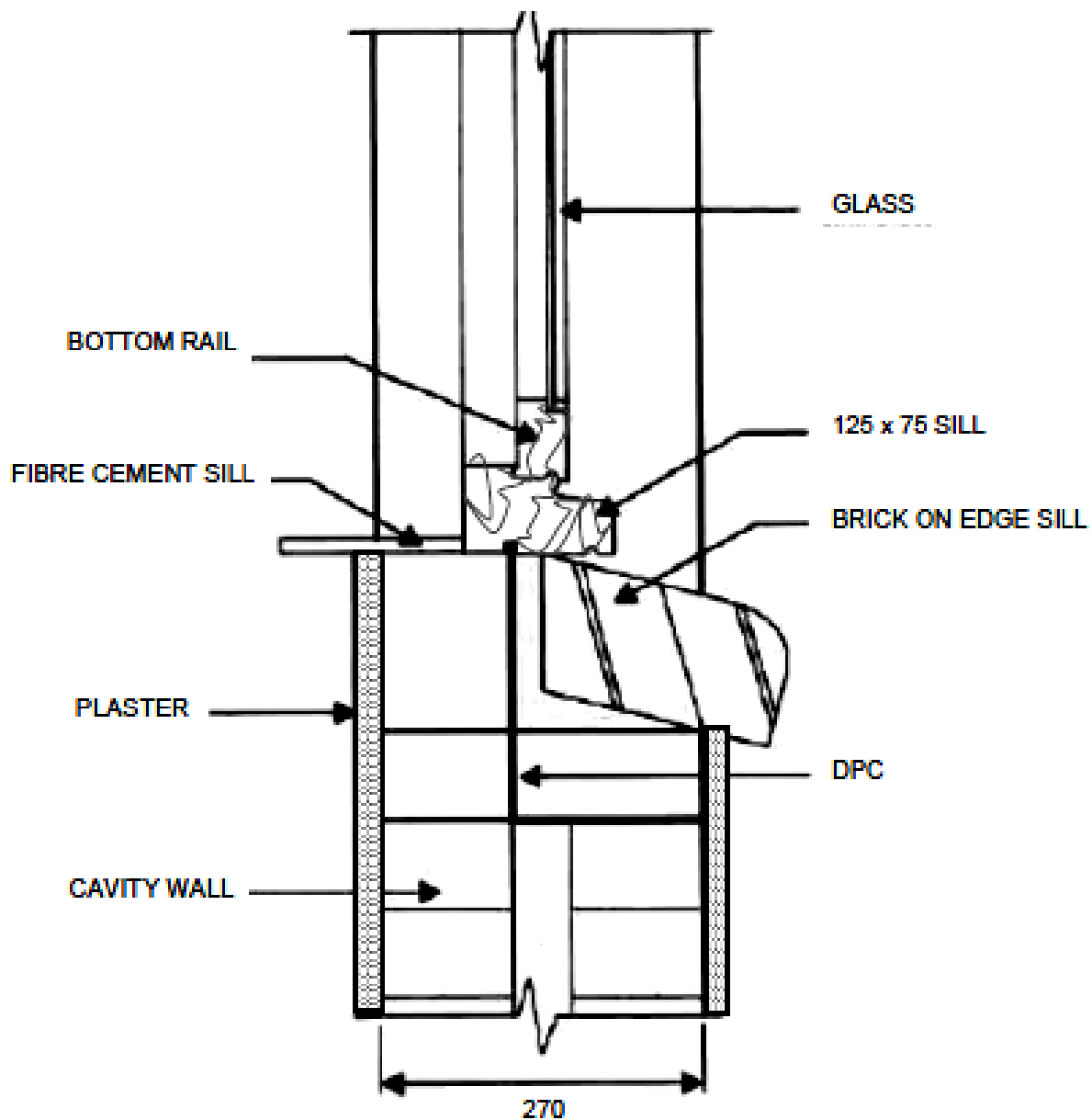
VERTICAL SECTION THROUGH A PARAPET GUTTER
SCALE 1:20

[20]

QUESTION 1 RUBRIC			
PART OF DRAWING	MARKING CRITERIA	POSSIBLE MARK	REMARKS
Pitch, rafter, tie beam, wall plate	Correct position	4	
	Dimensioning	4	
	Labelling	4	
	Hatching	1	Wall plate
Slates, battens, tilting batten	Correct position	3	
	Dimensioning	3	
	Labelling	3	
	Hatching	1	Battens
Gutter, boarding, lining, boarding cleat, flashing	Correct position	6	
	Dimensioning	2	Gutter and boarding
	Labelling	6	
	Hatching		
Branding, ceiling board, cornice	Correct position	3	
	Dimensioning	3	
	Labelling	3	
	Hatching	1	Branding
Wall, plaster, coping	Correct position	3	
	Dimensioning	3	
	Labelling	3	
	Hatching	2	Plaster and wall
	Subtotal	58	
	Divide by	5,8	
Overall correctness		10	
Line work		3	
Accuracy		4	
Balanced layout and neatness		3	
TOTAL:		20	

SUMMARY QUESTION 1

Marking criteria	Possible mark	Marker	Internal moderator	External moderator
Correct position	19			
Dimensions	15			
Labels	19			
Hatching	5			
Subtotal	58			
Divide by	5,8			
Overall correctness	10			
Line work	3			
Accuracy	4			
Balanced layout and neatness	3			
TOTAL:	20			

QUESTION 2: CONSTRUCTION DETAILS OF A CASEMENT WINDOW FRAME

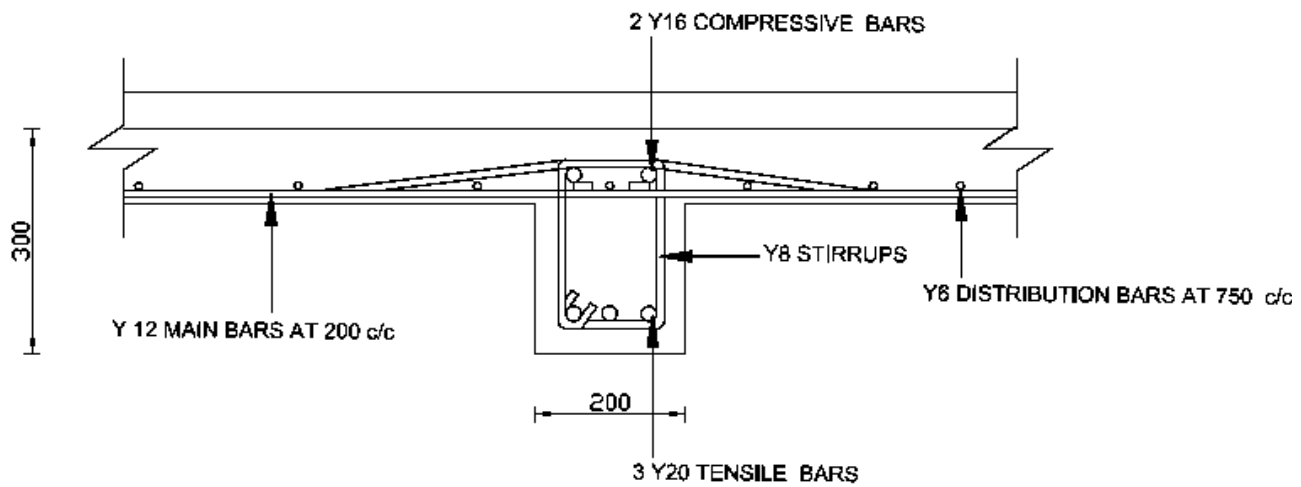
**VERTICAL SECTION THROUGH BOTTOM CASEMENT WINDOW FRAME
SCALE 1:5**

[20]

QUESTION 2 RUBRIC			
PART OF DRAWING	MARKING CRITERIA	POSSIBLE MARK	REMARKS
Wall plaster	Correct position	2	
	Dimensions correct	2	
	Hatching	2	
	Correct shape	2	
	Label and neatness	2	
Brick on edge sill	Correct position	1	
	Dimensions correct	1	
	Correct shape	1	
	Hatching	1	
	Label and neatness	1	
Two sills, bottom rail, glass	Correct position	4	
	Dimensions correct	4	
	Hatching	3	Bottom rail and two sills
	Correct shape	4	
	Label and neatness	4	
Brick wall, brick force	Correct position	2	
	Dimensions correct	2	Wall and cavity
	Correct shape	2	
	Label and neatness	2	
	Subtotal	42	
	Divide total by 2,47	17	
	Overall impression	1	
	Title	1	
	Scale	1	
	TOTAL:	20	

SUMMARY QUESTION 2

Marking criteria	Possible mark	Marker	Internal moderator	External moderator
Correct position	9			
Line work	9			
Dimensions	9			
Labels	9			
Hatching	6			
Subtotal	42			
Divide by	2,47			
Overall impression	1			
Title	1			
Balanced layout and neatness	1			
TOTAL:	20			

QUESTION 3: REINFORCED CONCRETE SLAB AND BEAM

**VERTICAL CROSS SECTION THROUGH T-BEAM
SCALE 1:10**

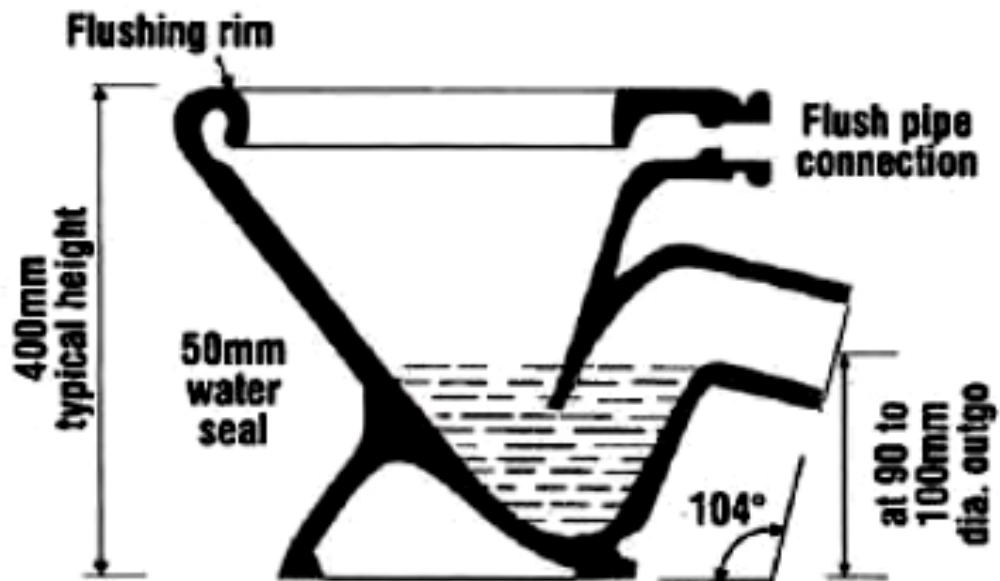
[15]

QUESTION 3 RUBRIC			
PART OF DRAWING	MARKING CRITERIA	POSSIBLE MARK	REMARKS
Wall and plaster	Correct position	2	
	Dimensions correct	2	
	Hatching	2	
	Correct shape	2	
	Label and neatness	2	
Concrete slab, concrete beam, screed	Correct position	3	
	Dimensions correct	3	
	Correct shape	3	
	Hatching	3	
	Label and neatness	3	
Tensile bars, compressive bars, distribution, stirrups	Correct position	4	
	Dimensions correct	4	
	Hatching		
	Correct shape	4	
	Label and neatness	4	
Concrete cover	Correct position	1	
	Dimensions correct	1	
	Correct shape		
	Label and neatness	1	
	Subtotal	44	
	Divide total by 4	11	
	Overall impression	2	
	Title	1	
	Scale	1	
	TOTAL:	15	

SUMMARY QUESTION 3

Marking criteria	Possible mark	Marker	Internal moderator	External moderator
Correct position	10			
Correct shape	9			
Dimensions	10			
Labels and neatness	10			
Hatching	5			
Subtotal	44			
Divide by	4			
Overall impression	2			
Title	1			
Scale	1			
TOTAL:	15			

QUESTION 4: PLUMBING



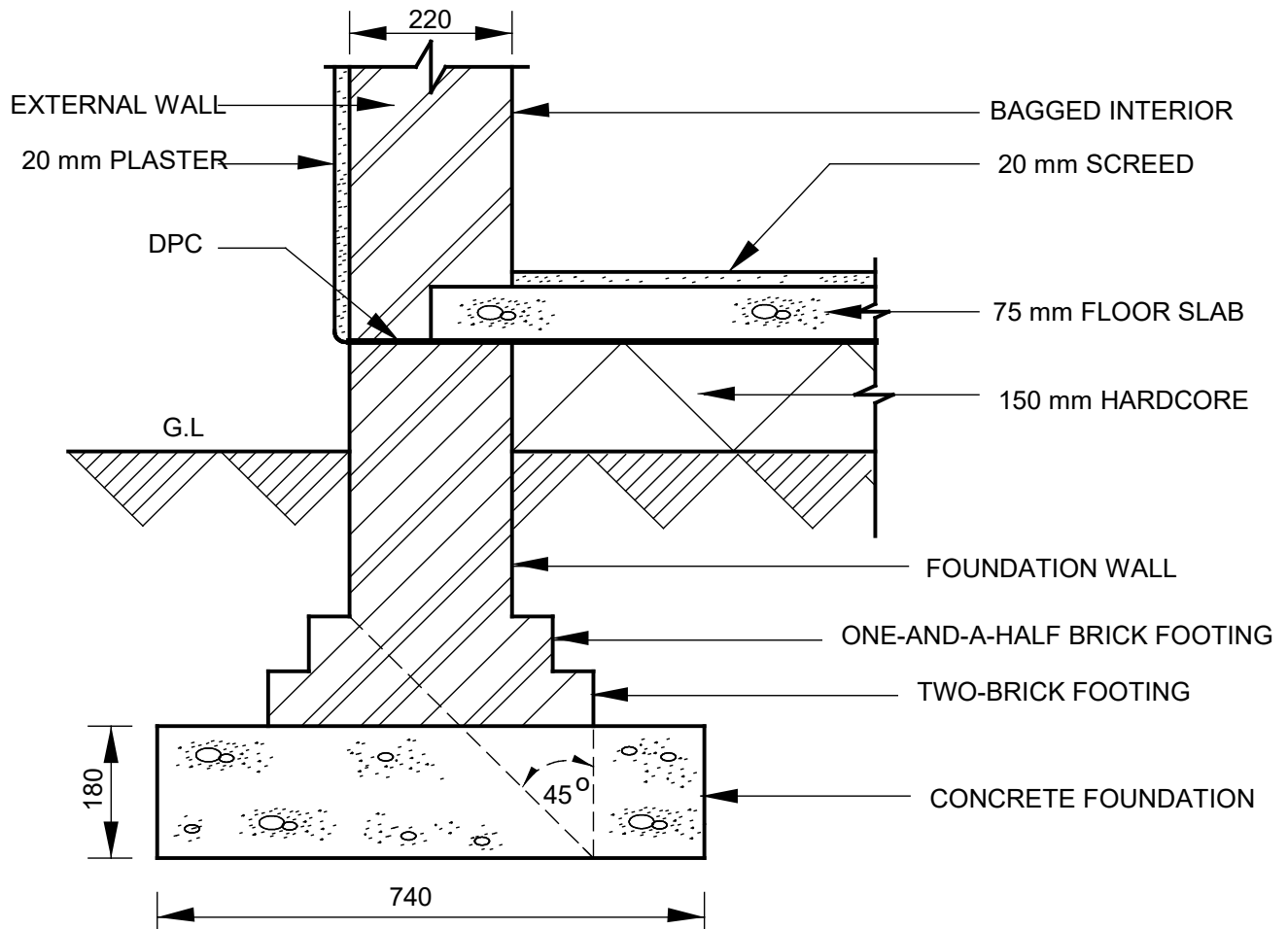
VERTICAL SECTION THROUGH FLUSHING SYSTEM

[10]

QUESTION 4 RUBRIC			
PART OF DRAWING	MARKING CRITERIA	POSSIBLE MARK	REMARKS
Closet pan	Correct position	1	
	Hatching		
	Correct shape	1	
	Labels	1	
	Neatness	1	
Water seal	Correct position	1	
	Hatching	1	
	Correct shape	1	
	Labels	1	
	Neatness	1	
	Title	1	
	TOTAL:	10	

SUMMARY OF QUESTION 4

Marking criteria	Possible mark	Marker	Internal moderator	External moderator
Correct positions	2			
Hatching	1			
Correct shape	2			
Labels	2			
Neatness	2			
Subtotal	9			
Title	1			
TOTAL:	10			

QUESTION 5: FOUNDATION WALLS WITH FOOTINGS

VERTICAL SECTION THROUGH EXTERNAL WALL AND FOUNDATION
SCALE 1:10

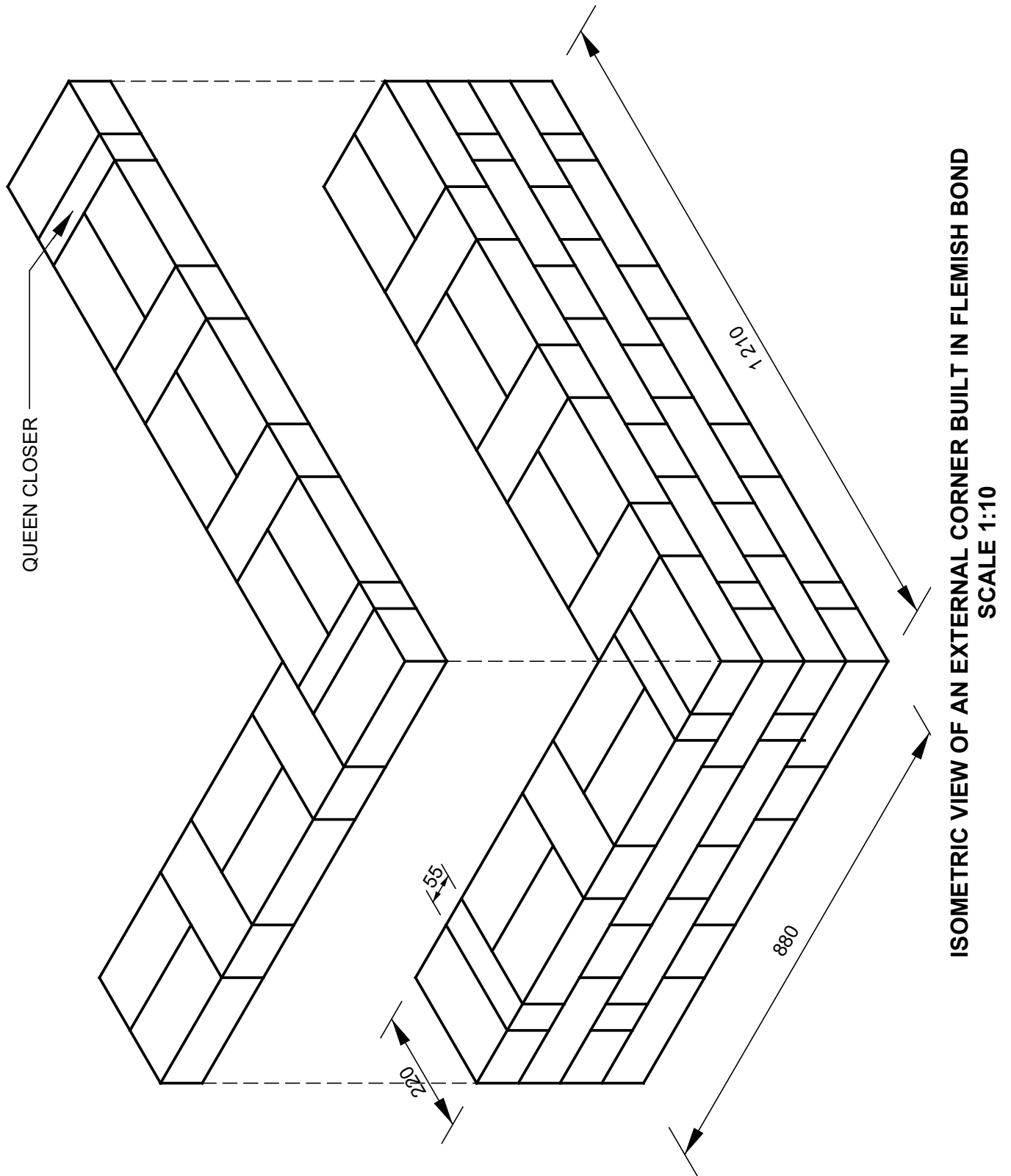
[20]

QUESTION 5 RUBRIC			
PART OF DRAWING	MARKING CRITERIA	POSSIBLE MARK	REMARKS
Depth construction line	Correctness	2	
	Dimensioning	4	
	Labelling	1	
Concrete foundation, footing, foundation wall, hard core, concrete floor	Correctness	6	Footing × 2
	Hatching	4	1 foundation wall and footing
	Labelling	6	Footing × 2
Wall, plaster, screed	Correctness	3	
	Hatching	3	
	Labelling	4	Including bagging
DPC, ground level	Correctness	2	
	Hatching	1	
	Labelling	2	
	Subtotal	38	Overall correctness
	Divide by	3,8	
Correctness		10	
Line work		4	
Accuracy		4	
Balanced layout and neatness		2	
TOTAL:		20	

SUMMARY QUESTION 5

Marking criteria	Possible mark	Marker	Internal moderator	External moderator
Correctness	13			
Hatching	8			
Labels	13			
Dimensions	4			
Subtotal	38			
Divide by	3,8			
Correctness	10			
Line work	4			
Accuracy	4			
Balanced layout and neatness	2			
TOTAL:	20			

QUESTION 6: BRICKWORK



[15]

QUESTION 6 RUBRIC			
PART OF DRAWING	MARKING CRITERIA	POSSIBLE MARK	REMARKS
Isometric view	Axis	2	
	Alignment	2	
Projected course	Brick pattern	4	
	Brick size	2	
	Stopped ends	1	
	Labelling	1	
Four-course wall	Brick pattern	4	
	Brick size	2	
	Stopped ends	1	
	Dimensions	4	
	Subtotal	23	Overall correctness
	Divide by	3,2857	
	Correctness	7	
	Line work	3	
	Accuracy	3	
Balanced layout and neatness		2	
TOTAL:		15	

SUMMARY QUESTION 6

Marking criteria	Possible mark	Marker	Internal moderator	External moderator
Axis	2			
Alignment	2			
Brick pattern	8			
Brick size	4			
Stopped ends	2			
labelling	1			
Dimension	4			
Subtotal	23			
Divide by	3,2857			
Correctness	7			
Line work	3			
Accuracy	3			
Balanced layout and neatness	2			
TOTAL:	15			

TOTAL: 100