



**higher education
& training**

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

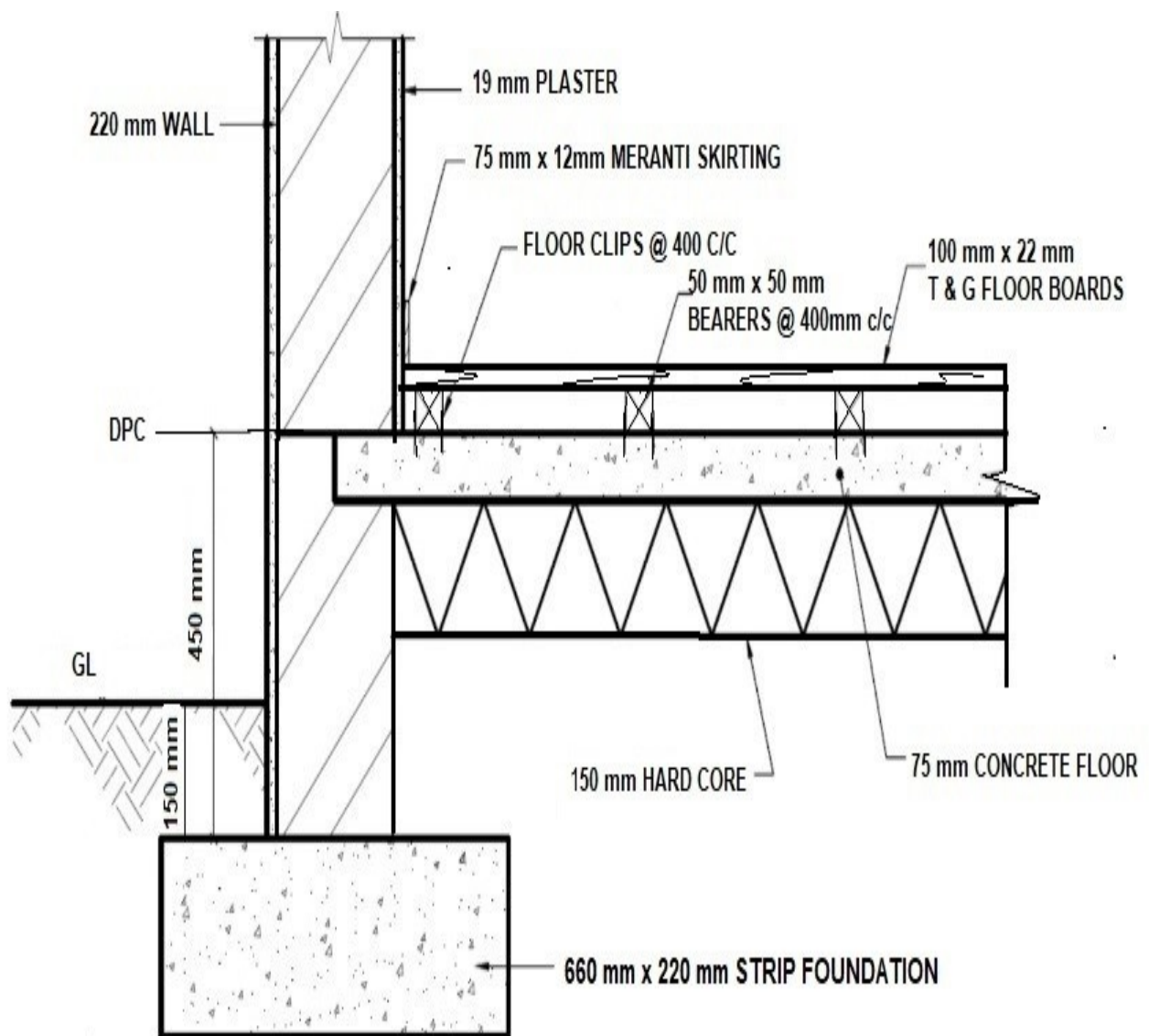
MARKING GUIDELINE

NATIONAL CERTIFICATE

BUILDING DRAWING N3

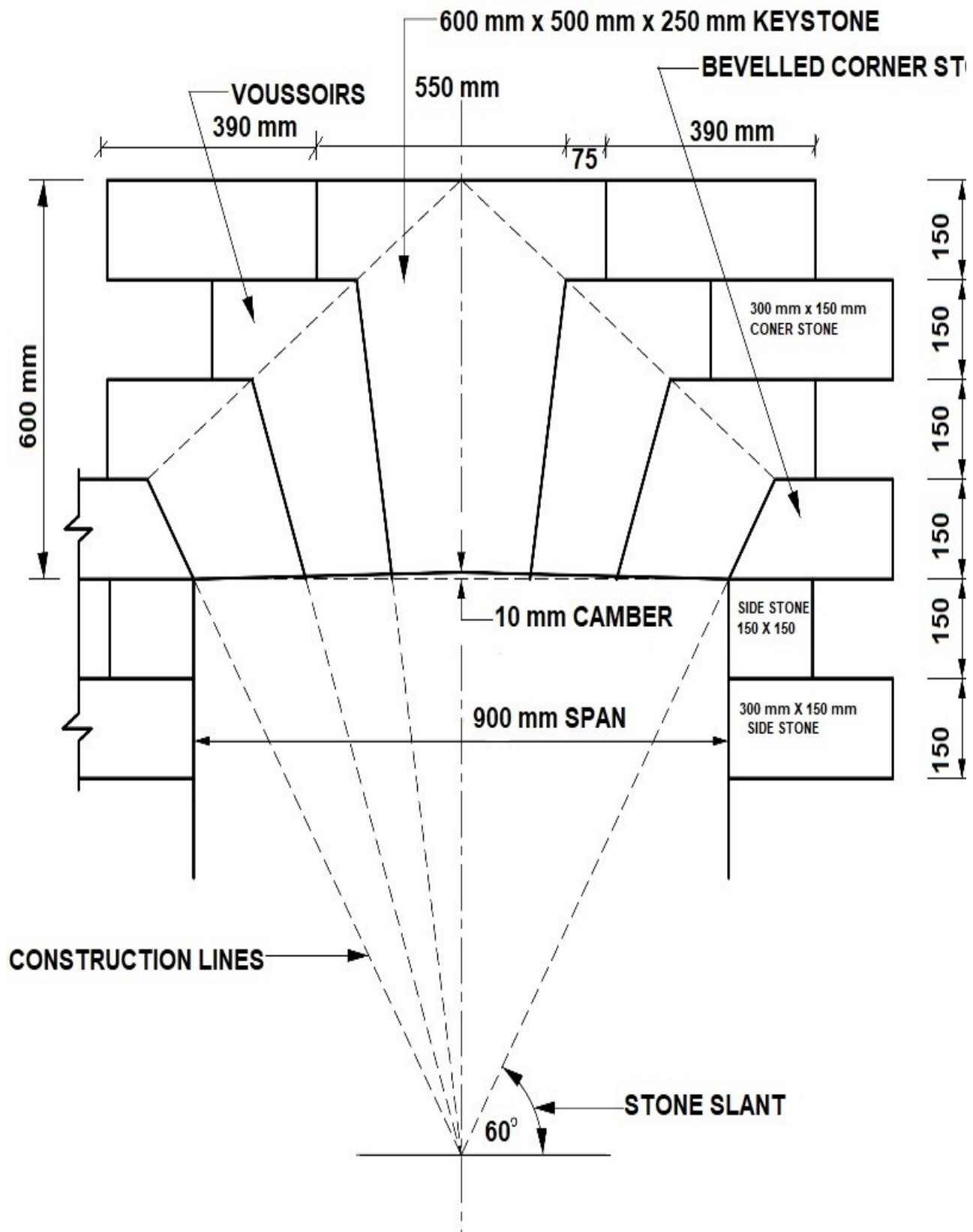
30 November 2023

This marking guideline consists of 14 pages.

QUESTION 1: FLOORS**VERTICAL SECTION THROUGH A CONCRETE FLOOR WITH BEARERS AND FLOOR BOARDS****SCALE 1:10**

QUESTION 1: RUBRIC – EXTERNAL WALL, FLOOR & FOUNDATION					
Part of drawing	Marking criteria	Possible mark	Marker	Internal Moderator	External Moderator
Strip foundation Ground level Hard core Concrete floor	Correct position	4			
	Labelling	4			
	Dimensioning	4			
	Hatching	4			
Bearers Clips T & G floor boards Skirting	Correct position	4			
	Labelling	4			
	Dimensioning	4			
	Hatching	3			
Plaster Wall DPC	Correct position	3			
	Labelling	3			
	Dimensioning	3			
	Hatching	2			
	Subtotal	42			
	Divided by	3			
	Overall correctness	14			
	Accuracy	3			
	Line work	2			
	Balance layout and neatness	1			
	TOTAL:	20			

NOTE: No marks will be allocated for any part of the drawing in the incorrect position, but marks may be allocated for the hatching of that component.

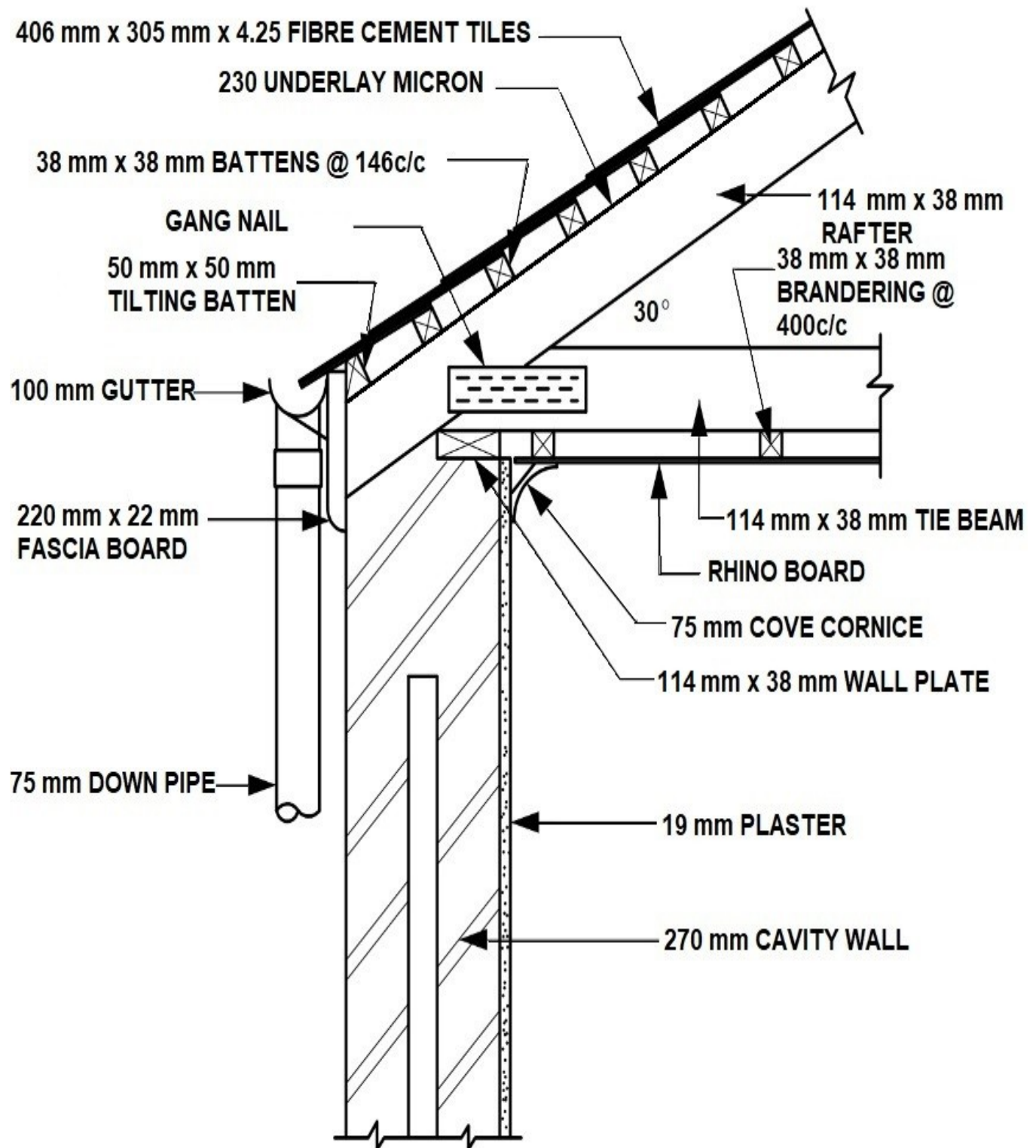
QUESTION 2: STONE DRESSING TO OPENING

FRONT VIEW OF FLAT ARCH WITH STEPPED AND BONDED EXTRADOS
SCALE 1:10

QUESTION 2: RUBRIC – STONE DRESSING TO OPENING (FLAT ARCH)

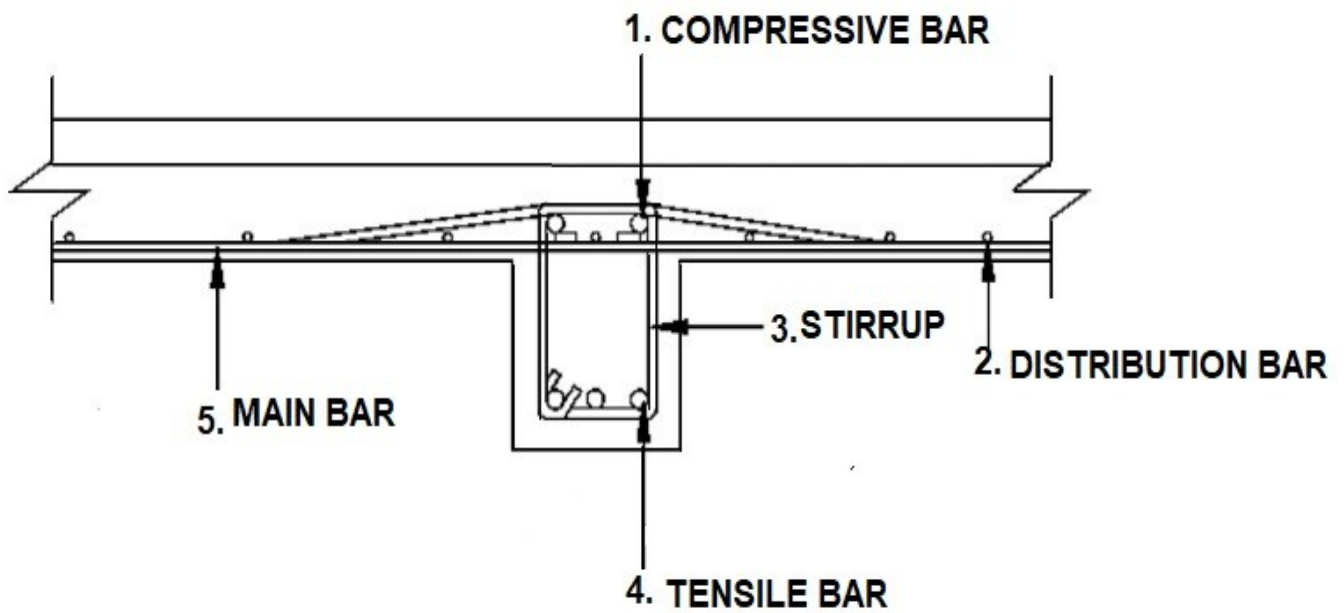
Part of drawing	Marking criteria	Possible mark	Marker	Internal Moderator	External Moderator
Construction lines Voussoirs Camber	Correct position	6			
	Labelling	3			
	Dimensioning	1			
Span Keystone Corner stones	Correct position	5			
	Labelling	3			
	Dimensioning	3			
Stone slant Side stones	Correct position	4			
	Labelling	2			
	Dimensioning	3			

	Subtotal	30			
	Divided by	3			
Overall correctness		10			
	Accuracy	2			
	Line work	2			
Balance layout and neatness		1			
TOTAL:		15			

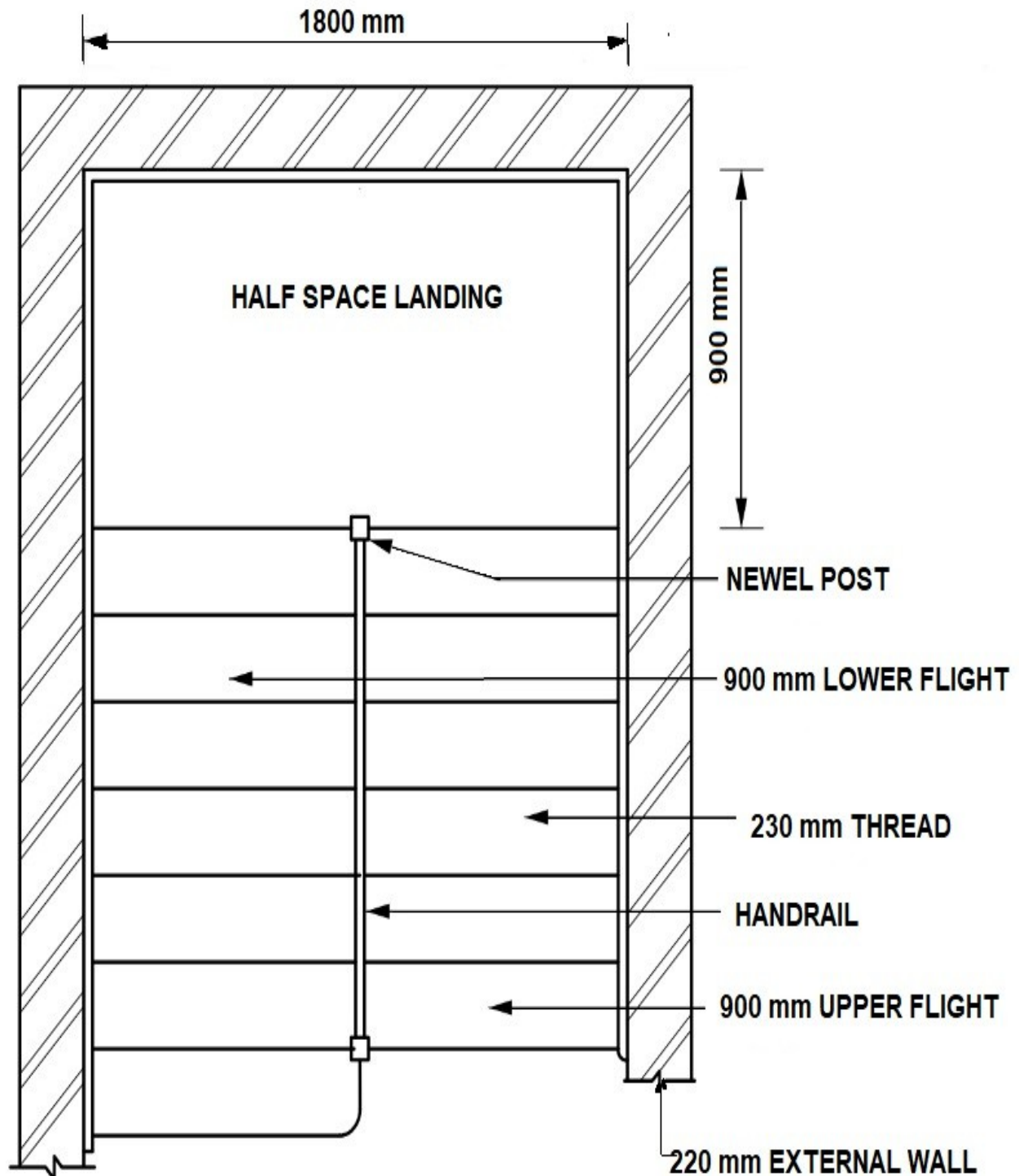
QUESTION 3: ROOF

QUESTION 3: RUBRIC – ROOF WITH FLUSH EAVE					
Part of drawing	Marking criteria	Possible mark	Marker	Internal Moderator	External moderator
Cavity wall, plaster, wall plate, cornice, ceiling – rhino board brandering	Correct position	6			
	Labelling	6			
	Dimensions	5			
	Hatching	4			
Underlay Battens, tilting batten Slates	Correct position	4			
	Labelling	4			
	Dimensions	3			
	Hatching	2			
Fascia board Gutter Down pipe	Correct position	3			
	Labelling	3			
	Dimensions	3			
	Hatching	0			
Tie beam Rafter, Gang nail Pitch	Correct position	4			
	Labelling	3			
	Dimensions	4			
	Hatching	1			
	Subtotal	55			
	Divided by	3.667			
	Overall correctness	15			
	Accuracy	2			
	Line work	2			
	Balance layout and neatness	1			
	TOTAL:	20			

QUESTION 4: STEEL REINFORCEMENTSLAB AND BEAM



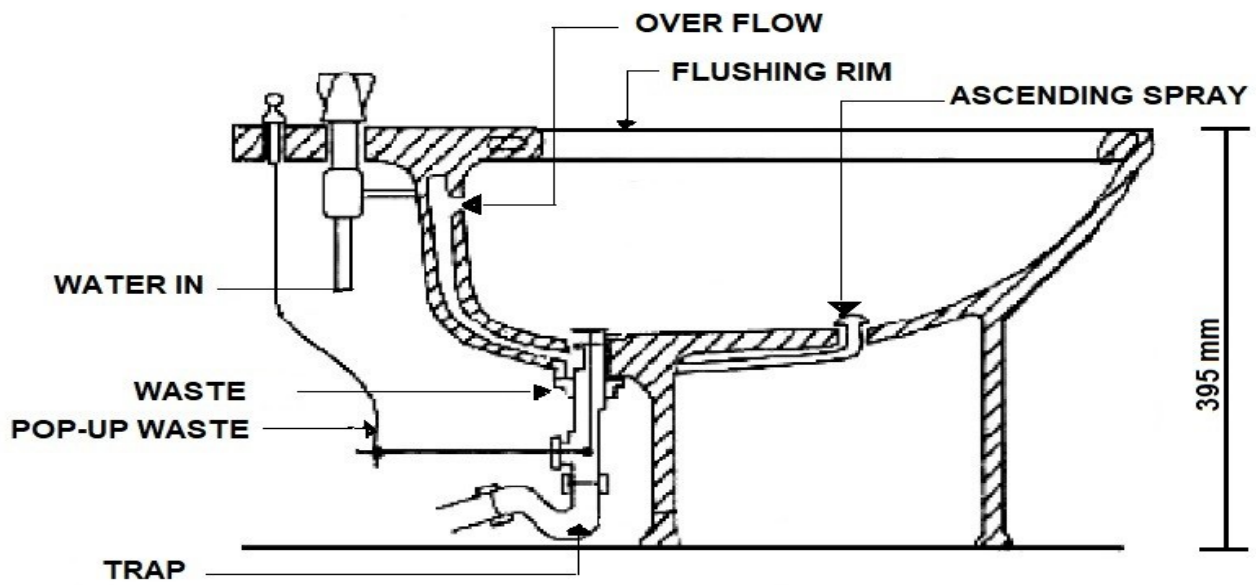
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QUESTION 5: JOINERY – STAIRS

PLAN VIEW OF A HALF SPACE LANDING AND STAIRS
SCALE 1:20

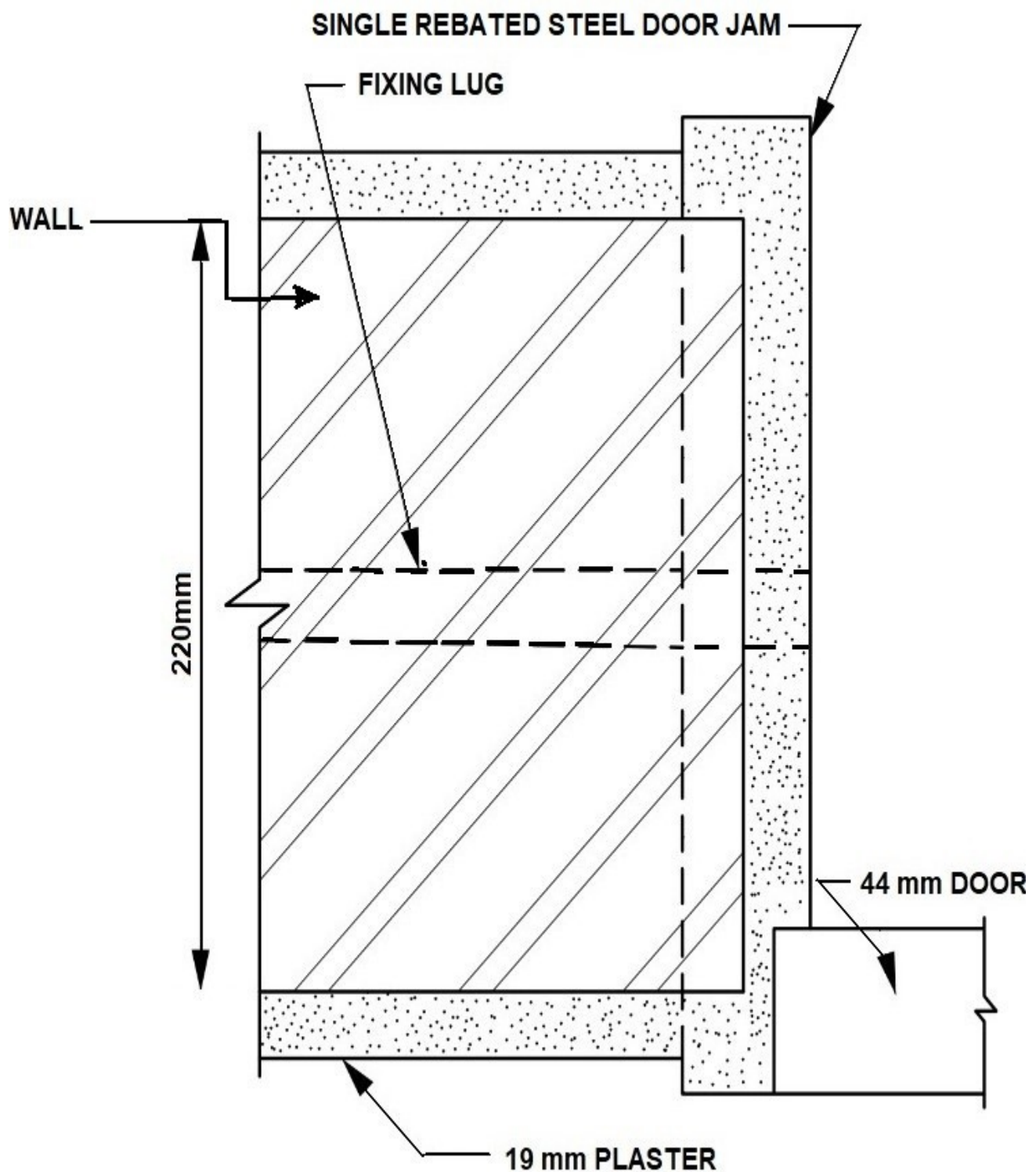
QUESTION 5: RUBRIC – JOINERY STAIRS					
Part of drawing	Marking criteria	Possible mark	Marker	Internal Moderator	External Moderator
External wall Landing Hand rail Newel post	Correct position	5			
	Labelling	4			
	Dimensions	4			
	Hatching	1			
Lower flight Upper flight Treads	Correct position	3			
	Labelling	3			
	Dimensions	3			
	Subtotal	23			
	Divided by	3.29			
Overall correctness		7			
	Accuracy	1			
	Line work	1			
Balance layout and neatness		1			
TOTAL:		10			

NOTE: No marks will be allocated for any part of the drawing in the incorrect position, but marks may be allocated for the hatching of that component.

QUESTION 6: PLUMBING – BIDET**VERTICAL SECTION THROUGH A BIDET**

QUESTION 6: PLUMBING					
Part of drawing	Making criteria	Possible mark	Marker	Internal Moderator	Internal Moderator
Flushing rim Ascending spray Pop-up waste Water flow Waste in, waste, trap,	Correct position	7			
	Labelling	7			
	Dimension	1			
	Subtotal	15			
	Divided by	2.143			
Overall correctness		7			
	Accuracy	1			
	Line work	1			
Balance layout and neatness		1			
TOTAL:		10			

NOTE: No marks will be allocated for any part of the drawing in the incorrect position, but marks may be allocated for the hatching of that component.

QUESTION 7: STEEL DOOR JAMB

**HORIZONTAL SECTION THROUGH A SINGLE REBATED STEEL DOOR JAMB
SCALE 1:2**

QUESTION 7: STEEL DOOR JAMB					
Part of drawing	Marking criteria	Possible mark	Marker	Internal Moderator	External Moderator
Wall Plaster	Correct position	2			
	Labelling	2			
	Dimensions	2			
	Hatching	2			
Door Fixing lug Frame	Correct position	3			
	Labelling	3			
	Dimensions	1			
	Hatching	1			
	Subtotal	16			
	Divided by	2.29			
Overall correctness		7			
	Accuracy	1			
	Line work	1			
Balance layout and neatness		1			
TOTAL:		10			

NOTE: No marks will be allocated for any part of the drawing in the incorrect position, but marks may be allocated for the hatching of that component.

QUESTION 8: THEORY

- 8.1 True
- 8.2 True
- 8.3 True
- 8.4 True
- 8.5 True
- 8.6 False
- 8.7 False
- 8.8 True
- 8.9 True
- 8.10 True

(10 × 1) **[10]**

TOTAL: 100