



higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

MARKING GUIDELINE

NATIONAL CERTIFICATE

BUILDING DRAWING N3

6 August 2024

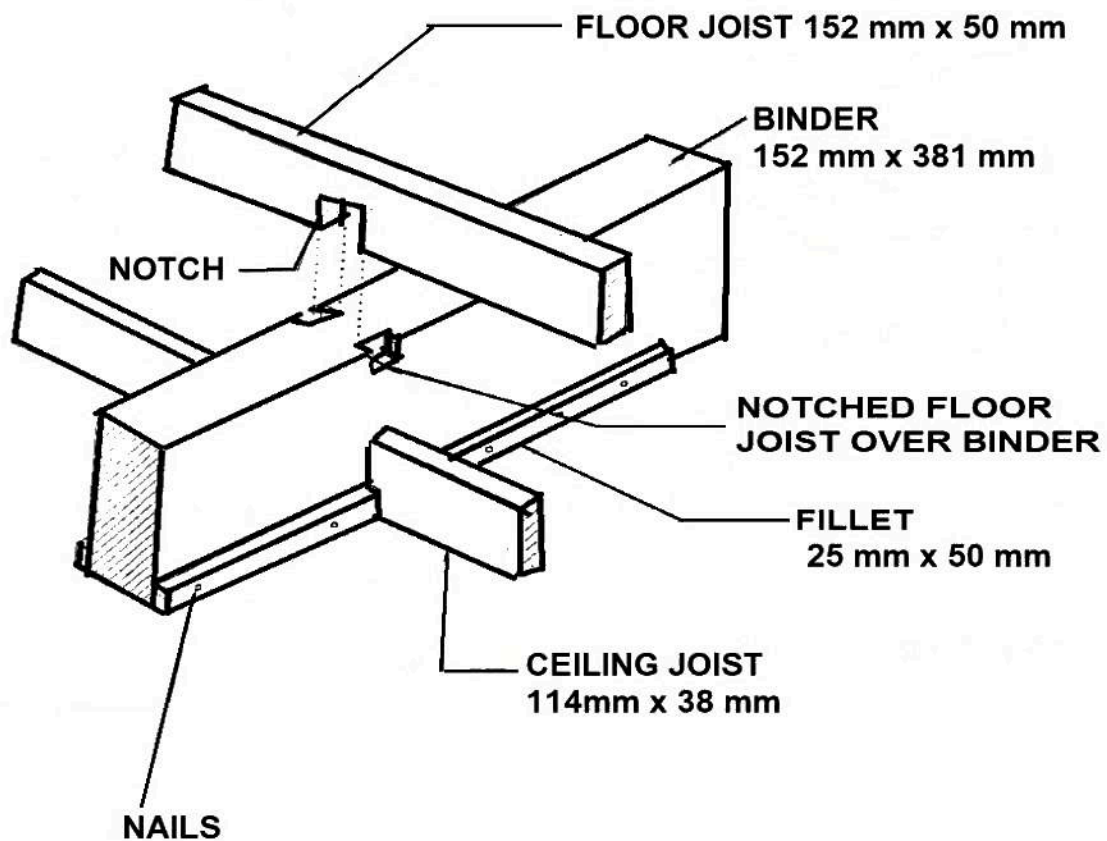
This marking guideline consists of 12 pages.

QUESTION 1

- 1.1 True✓
- 1.2 True✓
- 1.3 False✓
- 1.4 True✓
- 1.5 True✓
- 1.6 False✓
- 1.7 True✓
- 1.8 False✓
- 1.9 True✓
- 1.10 True✓

(10 × 1) [10]

QUESTION 2: FLOOR JOINT

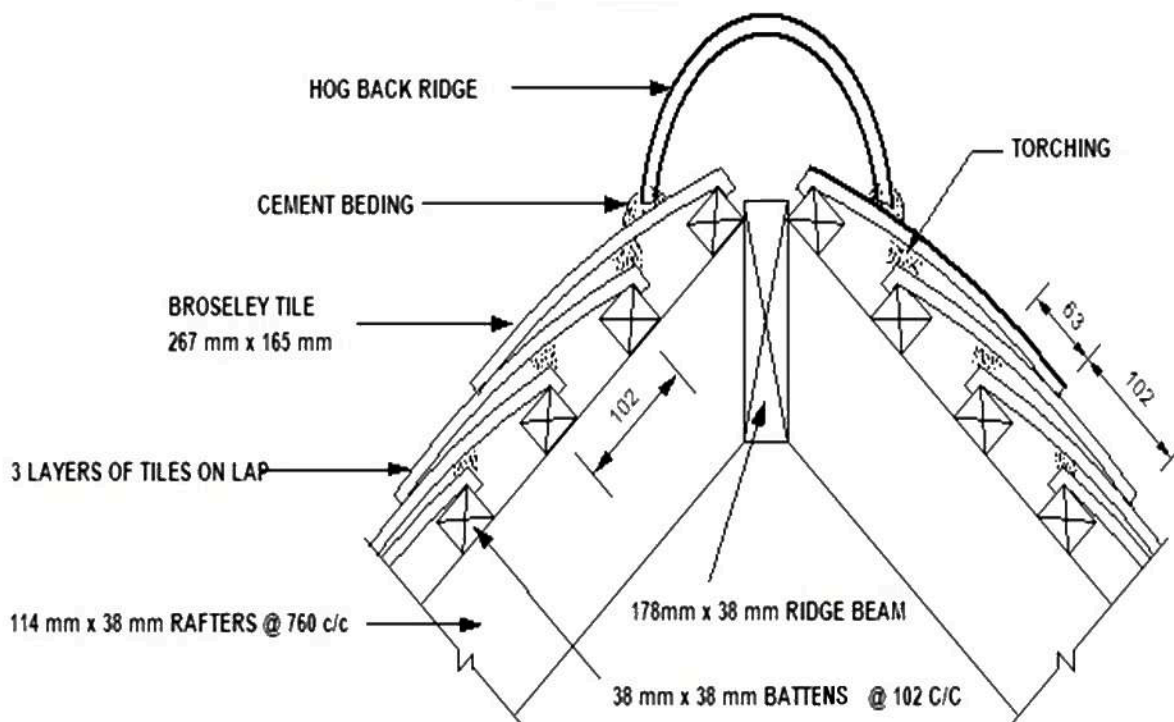


ISOMETRIC VIEW OF NOTCHED OR COGGED JOINT BETWEEN JOIST AND BINDER
SCALE 1:5

QUESTION 2: FLOOR JOINT

Part of drawing	Making criteria	Possible mark	Marker	Internal Moderator	Internal Moderator
Floor joist, Ceiling joist, Binder, Notch on floor joist, Notch on binder, Nails	Correct position	6			
	Labelling	6			
	Dimension	5			
	Hatching	4			
	Subtotal	21			
	Divided by	3			
Overall correctness		7			
	Accuracy	1			
	Line work	1			
Balance layout and neatness		1			
TOTAL:		10			

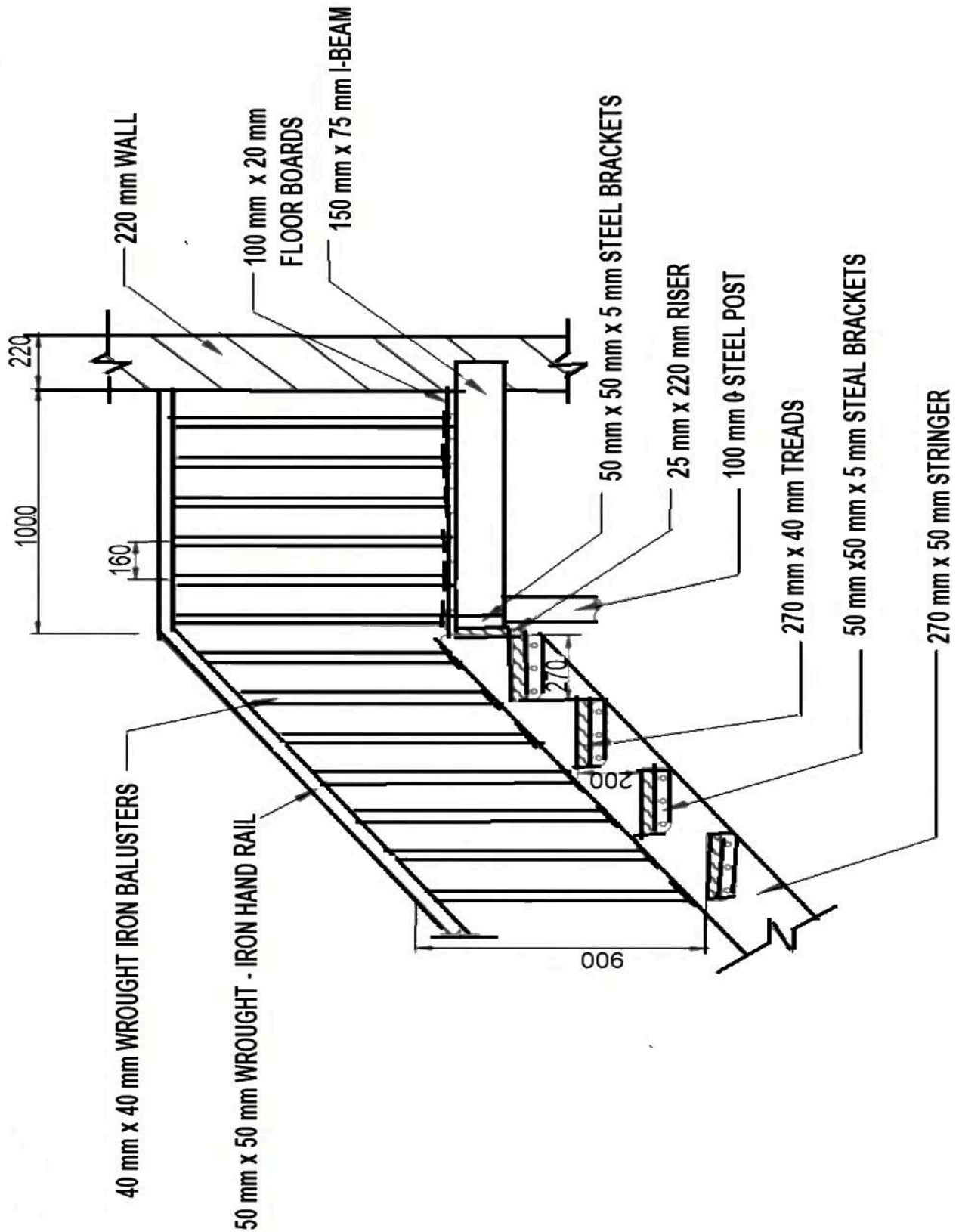
QUESTION 3: ROOF



**VERTICAL SECTION THROUGH THE RIDGE
SCALE 1:5**

QUESTION 3: RUBRIC – ROOF RIDGE					
Part of drawing	Marking criteria	Possible mark	Marker	Internal Moderator	External moderator
Rafter and Ridge beam	Correct position	3			
	Labelling	2			
	Dimensions	2			
	Hatching	1			
Battens and Broseley tiles	Correct position	4			
	Labelling	2			
	Dimensions	2			
	Hatching	1			
Tile lap, spacing and torching	Correct position	4			
	Labelling	1			
	Dimensions	2			
Ridge tile and Cement bedding	Correct position	2			
	Labelling	2			
	Subtotal	28			
	Divided by	4			
	Overall correctness	7			
	Accuracy	1			
	Line work	1			
	Balance layout and neatness	1			
	TOTAL:	10			

QUESTION 4: STAIRS

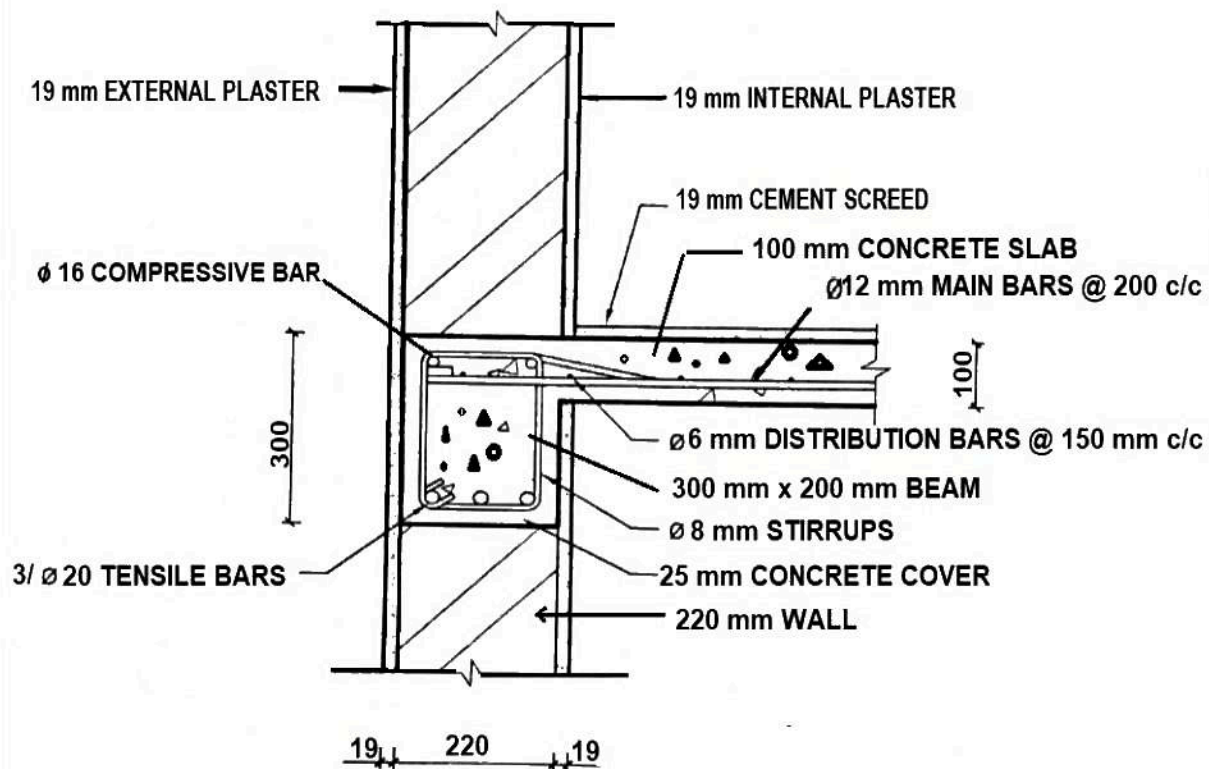


VERTICAL SECTION THROUGH WOODEN STAIRCASE AND LANDING
SCALE 1: 20

QUESTION 4: WOODERN STAIRCASE					
Part of drawing	Making criteria	Possible mark	Marker	Internal Moderator	Internal Moderator
Wall, Floorboards, I-beam, Riser and Treads	Correct position	5			
	Labelling	5			
	Dimensions	5			
	Hatching	2			
Steel brackets, Steel post, Stringer	Correct position	3			
	Labelling	3			
	Dimensions	3			
	Hatching	1			
Handrail, Balusters,	Correct position	2			
	Labelling	2			
	Dimensions	2			
Height of the handrail, Length of the landing Baluster's centres.	Dimensions	3			
	Subtotal	36			
	Divided by	2,4			
Overall correctness		15			
	Accuracy	2			
	Line work	1			
Balance layout and neatness		2			
TOTAL:		20			

QUESTION 5: PLUMBING					
Part of drawing	Making criteria	Possible mark	Marker	Internal Moderator	Internal Moderator
Sink, Water closet, Wash basin, Bath, Gulley, Stack, Bath overflow	Correct position	7			
	Labelling	7			
Stack, Sink pipe, Wash basin pipe, Bath pipe	Correct position	4			
	Labelling	4			
	Dimensions	4			
	Subtotal	26			
	Divided by	3.714			
Overall correctness		7			
	Accuracy	1			
	Line work	1			
Balance layout and neatness		1			
TOTAL:		10			

QUESTION 6: REINFORCEMENT CONCRETE SLAB AND BEAM



REINFORCEMENT CONCRETE BEAM
SCALE 1:10

[20]

QUESTION 6: REINFORCEMENT CONCRETE SLAB AND BEAM					
Part of drawing	Making criteria	Possible mark	Marker	Internal Moderator	Internal Moderator
Wall, Plaster (x 2)	Correct position	3			
	Labelling	3			
	Dimension	2			
	Hatching	2			
Concrete slab, Concrete beam, Concrete cover, Screed	Correct position	4			
	Labelling	4			
	Dimension	4			
	Hatching	3			
Tensile bar, Compressive bars Distribution bars, Main bar, Stirrups	Correct position	5			
	Labelling	5			
	Dimension	5			
	Subtotal	40			
	Divided by	2,67			
Overall correctness		15			
	Accuracy	2			
	Line work	1			
Balance layout and neatness		2			
TOTAL:		20			

CAV



t reserv

QUESTION 7: RUBRIC – CAVITY WALL AND FOUNDATION					
Part of drawing	Marking criteria	Possible mark	Marker	Internal Moderator	External moderator
Foundation, Ground level, Hard core, Wall, Plaster	Correct position	5			
	Labelling	5			
	Dimensions	5			
	Hatching	5			
Concrete floor, Screed, Ceramic tiles, Skirting, DPC	Correct position	4			
	Labelling	2			
	Dimensions	3			
	Hatching	2			
Weep hole, Plinth, Wire ties	Correct position	3			
	Labelling	3			
	Subtotal	37			
	Divided by	2,47			
Overall correctness		15			
	Accuracy	2			
	Line work	1			
Balance layout and neatness		2			
TOTAL:		20			

TOTAL: 100