higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

MARKING GUIDELINE

NATIONAL CERTIFICATE

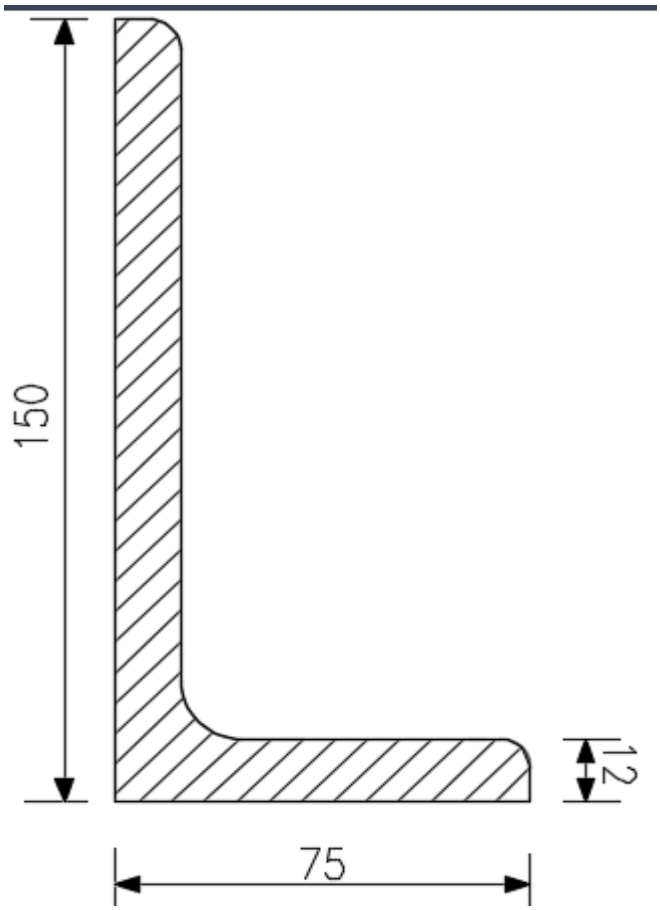
STRUCTURAL STEEL DETAILING N5

23 November 2023

This marking guideline consists of 6 pages.

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QUESTION 1: STEEL PROFILES



NOTE: 150 × 75 × 12
SCALE 1:1
SEE DRAWING FOR MODEL ANSWER

Correctness	**3**	
Accuracy	**1**	
Line work	**1**	
Dimension	**1**	
Title and scale	**1**	
TOTAL:	**7**	

(7)

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

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

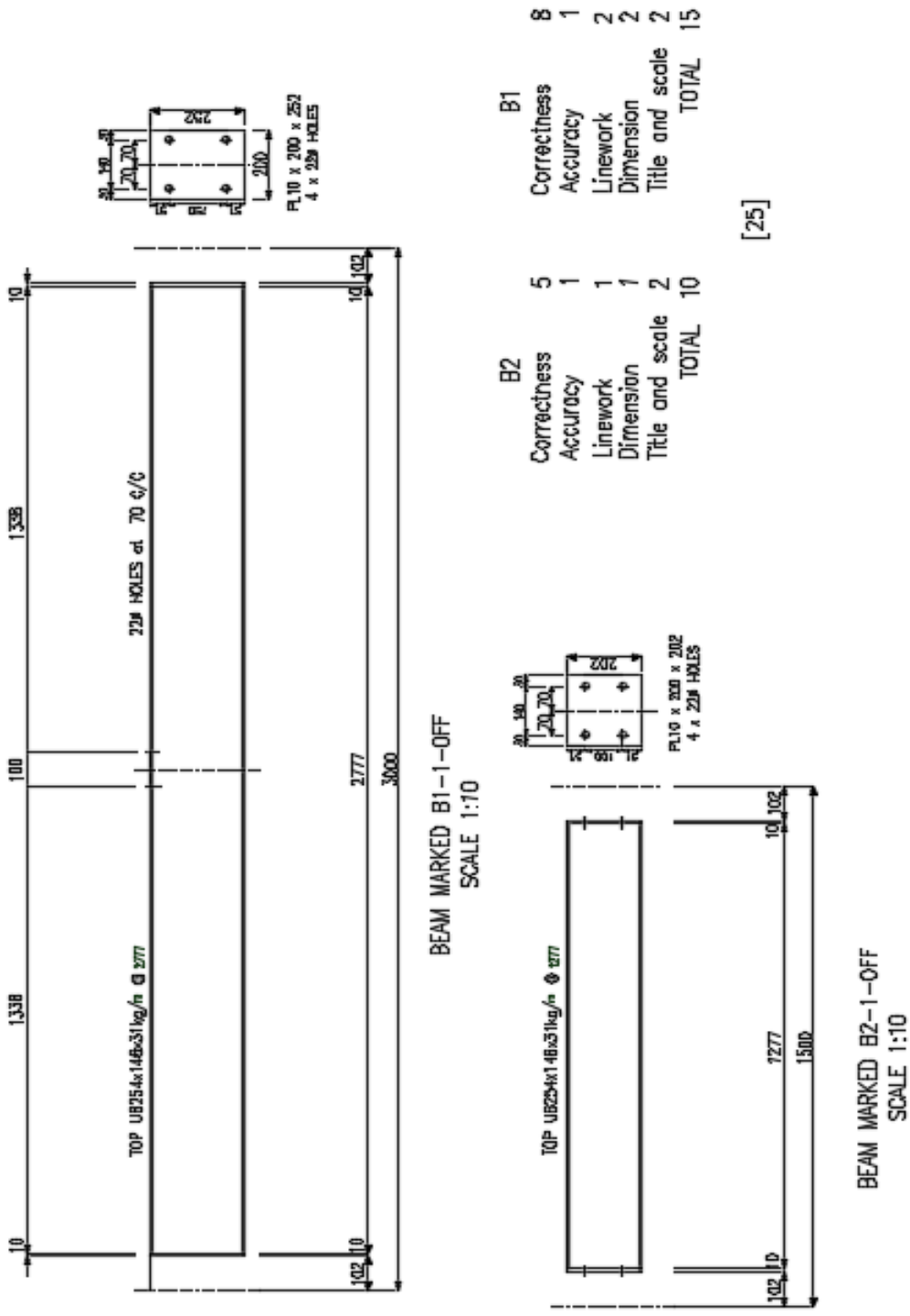
1.2
- Front
- Top
- Left side.
- Right side.
- Back
- Bottom

(Any 3 × 1) (3)

[10]

QUESTION 2: BEAMS

SEE DRAWING FOR MODEL ANSWER

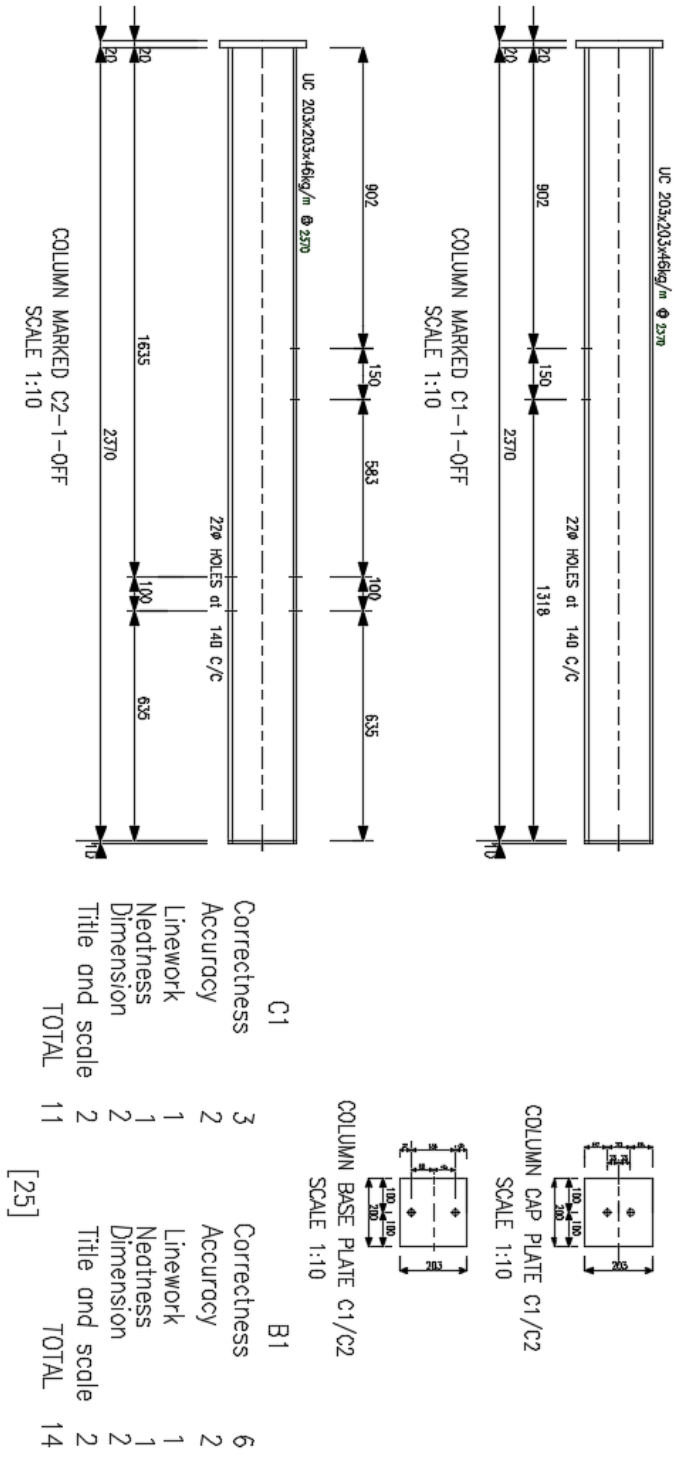


NOTE: NO marks should be allocated for any part of the drawing in an incorrect position.

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

QUESTION 3: COLUMNS

See drawing for model answer



C1		
Correctness	3	
Accuracy	2	
Linework	1	
Neatness	1	
Dimension	2	
Title and scale	2	
TOTAL	11	

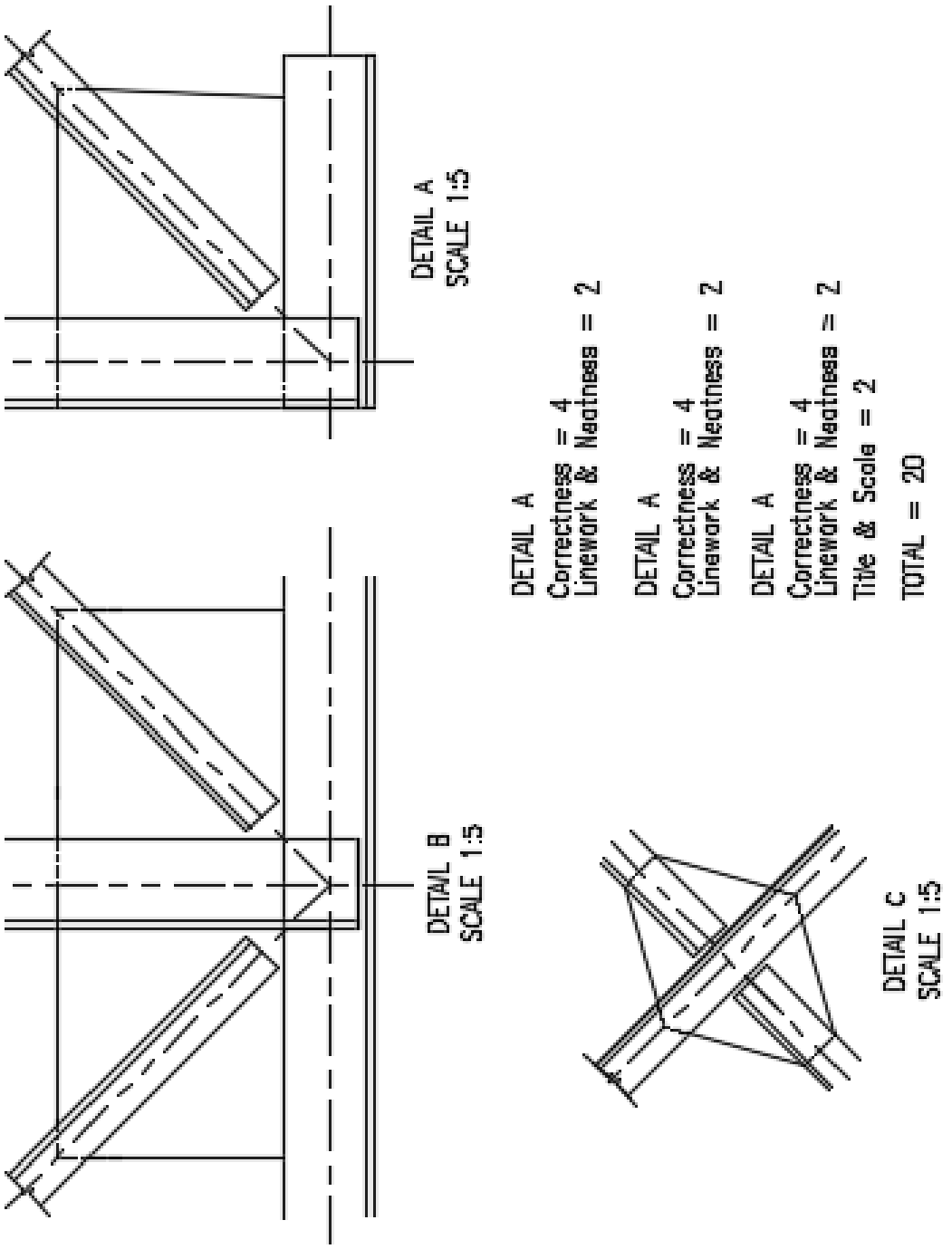
B1		
Correctness	6	
Accuracy	2	
Linework	1	
Neatness	1	
Dimension	2	
Title and scale	2	
TOTAL	14	

[25]

NOTE NO marks should be allocated for any part of the drawing in an incorrect position.

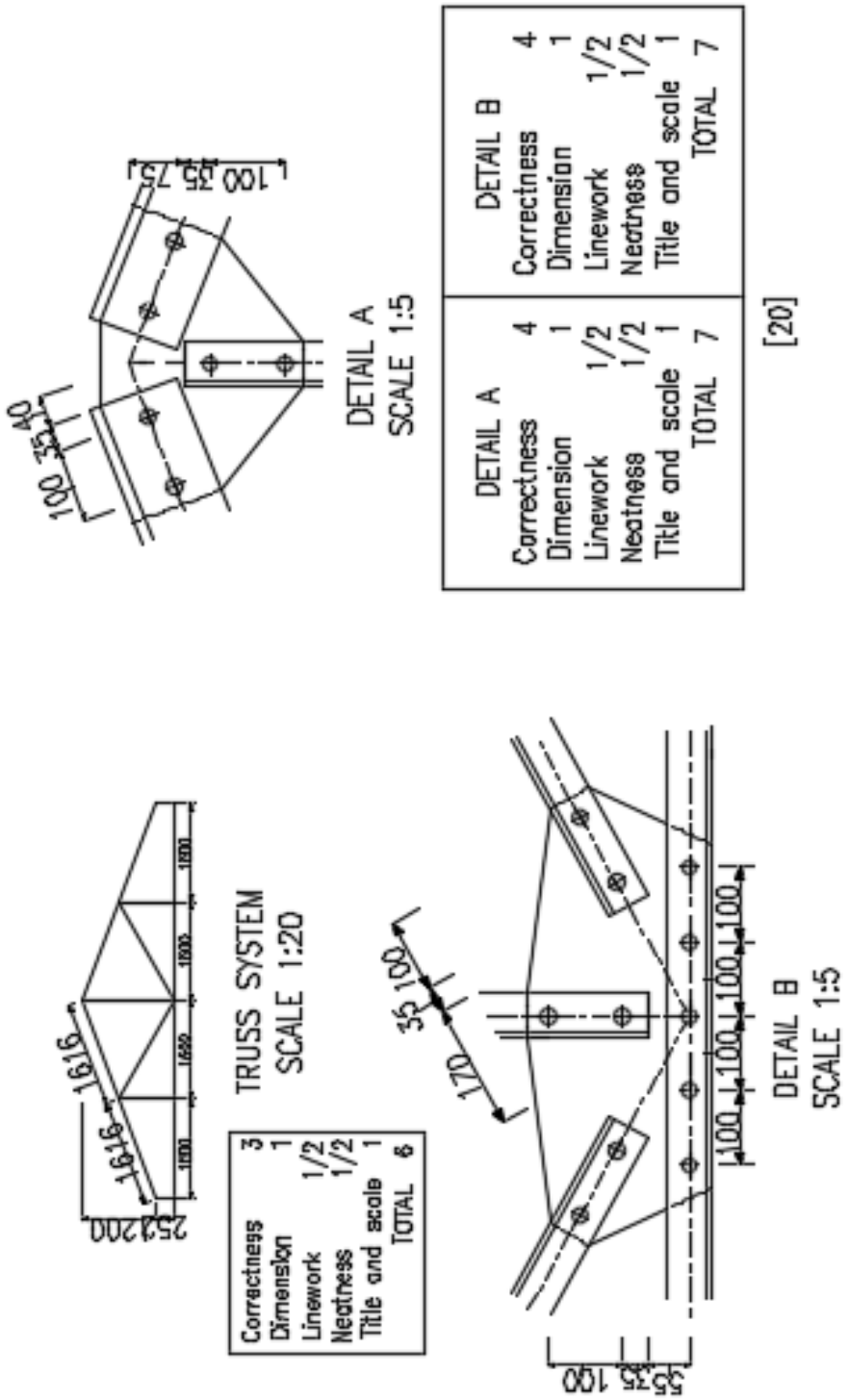
Marks should be allocated for neatness, correct title and scale if the drawing is completely incorrect. **[25]**

QUESTION 4: LATTICE GIRDERS



[20]

QUESTION 5: TRUSSES



[20]

TOTAL: 100

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