higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

MARKING GUIDELINE

NATIONAL CERTIFICATE

COMPUTER-AIDED DRAUGHTING

29 November 2022

This marking guideline consists of 7 pages.

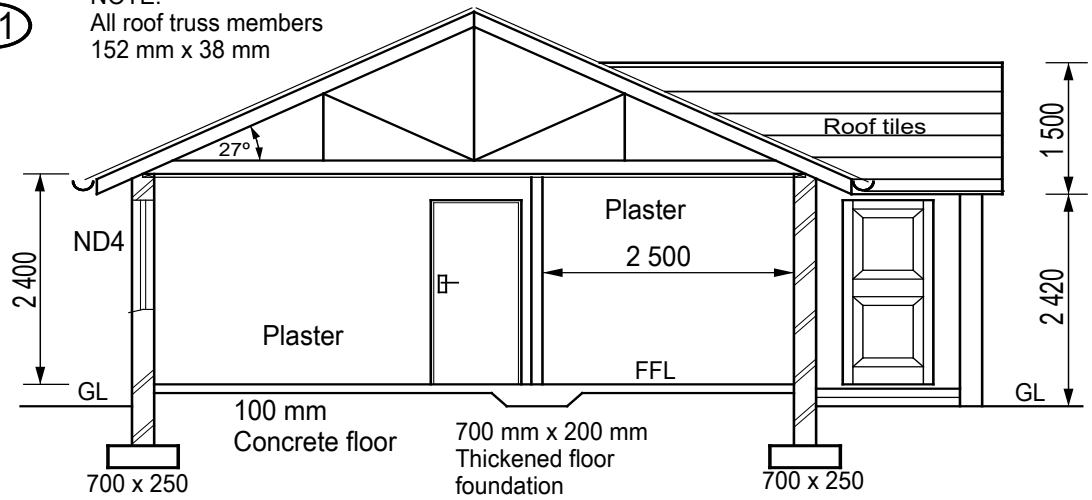
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QUESTION 1

'ION 1

1.1

NOTE:
All roof truss members
152 mm x 38 mm



SECTION A-A
SCALE 1:50

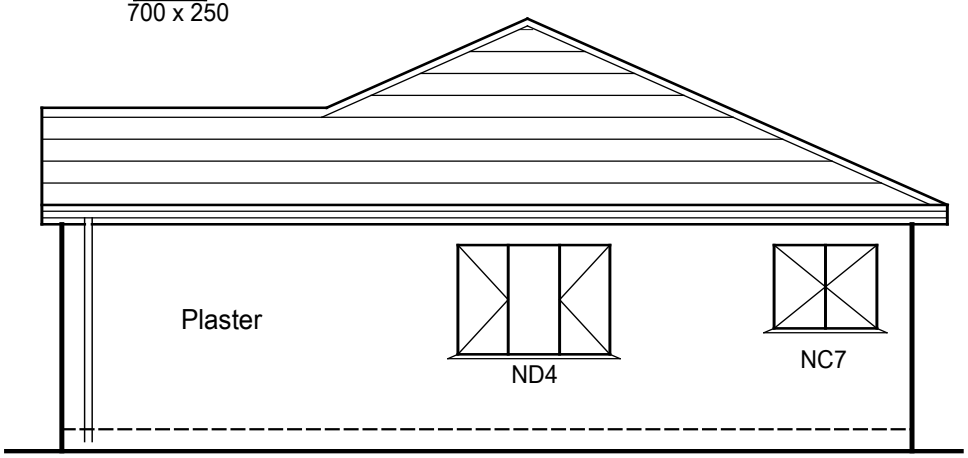
SECTIONAL VIEW	
QUESTION 1.1	
CORRECTNESS	
Corr view drawn	1
Width corr	1
Height corr	1
Wall & Fndn	4
Roofs	4
Windows & Doors	2
Total	13

Q 1.1 & Q 1.2	
Accuracy	3
Labels	1
Dims	2
Titles	2
Total	8

Total = 13 + 9 + 8
= 30 marks

ELEVATION	
QUESTION 1.2	
CORRECTNESS	
Corr view drawn	1
Width corr	1
Height corr	1
Roof & Gutter	4
Windows	2
Total	9

1.2



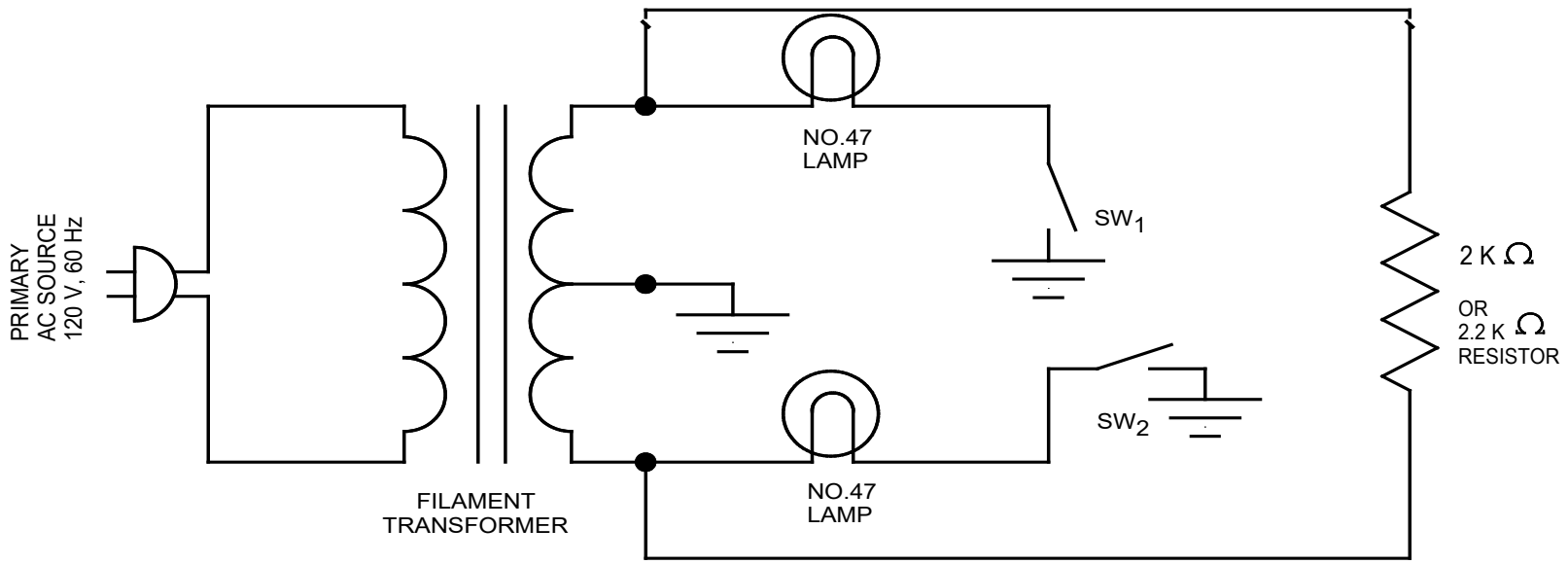
NORTH VIEW SCALE 1:100

[30]

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QUESTION 2

TION 2



LOW VOLTAGE TRANSFORMER

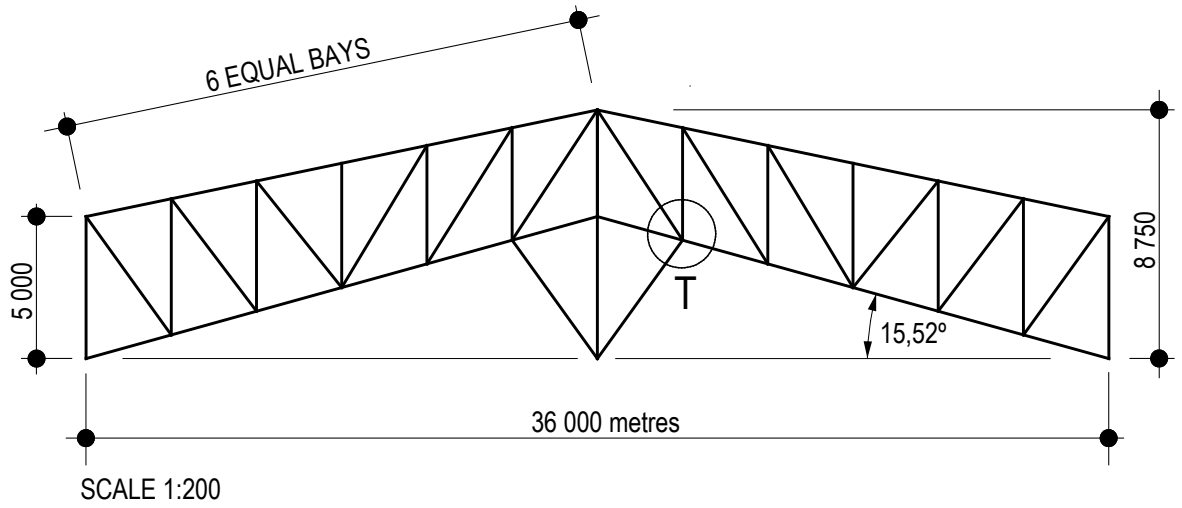
QUESTION 2	
CORRECTNESS	
Good proportion	1
All symbols	5
Contact points	1
Labels	2
Layout	1
Total	10

[10]

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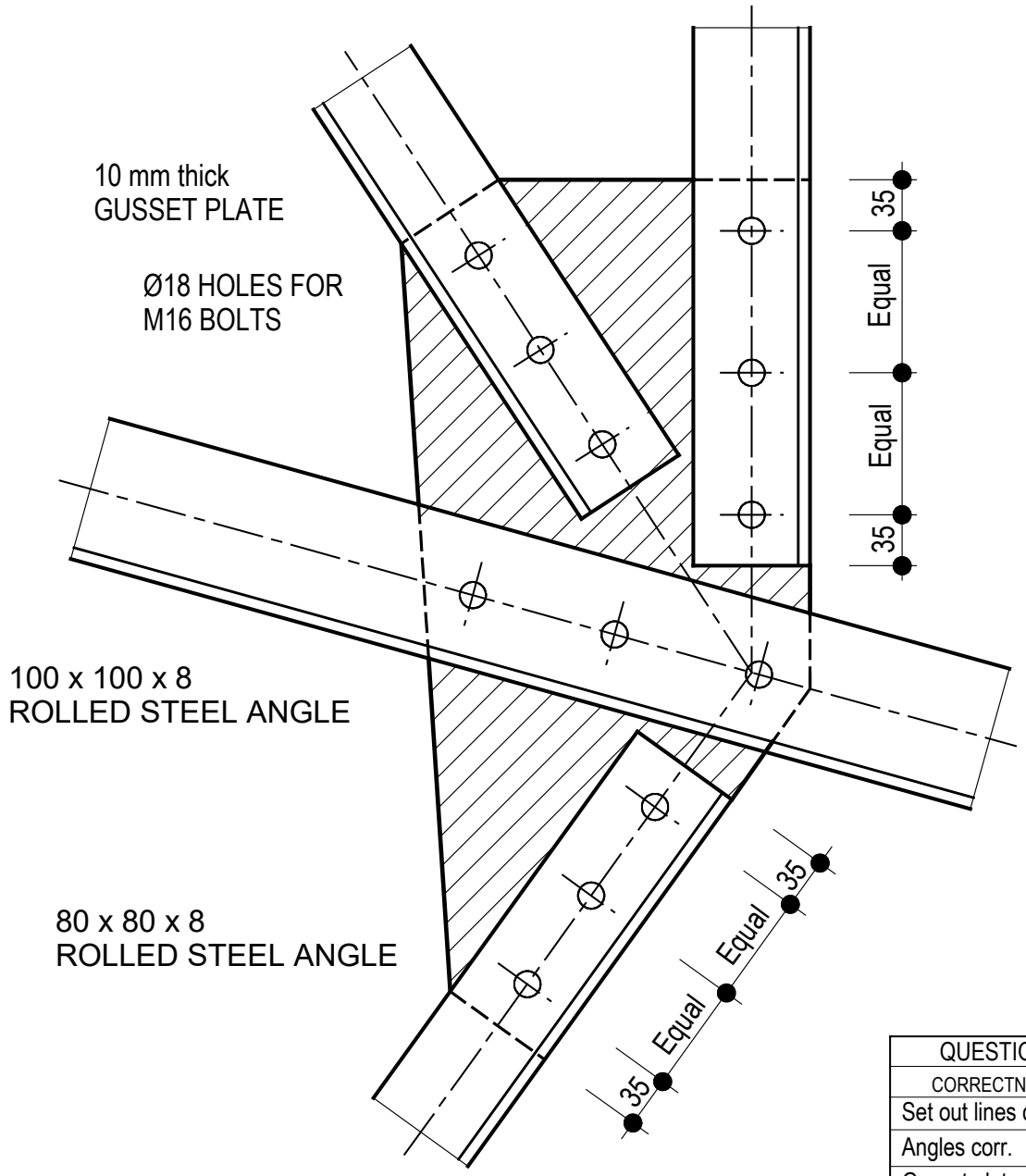
QUESTION 3

QUESTION 3.1



QUESTION 3.1	
Correctness	2
Accuracy	1
Total	3

QUESTION 3.2



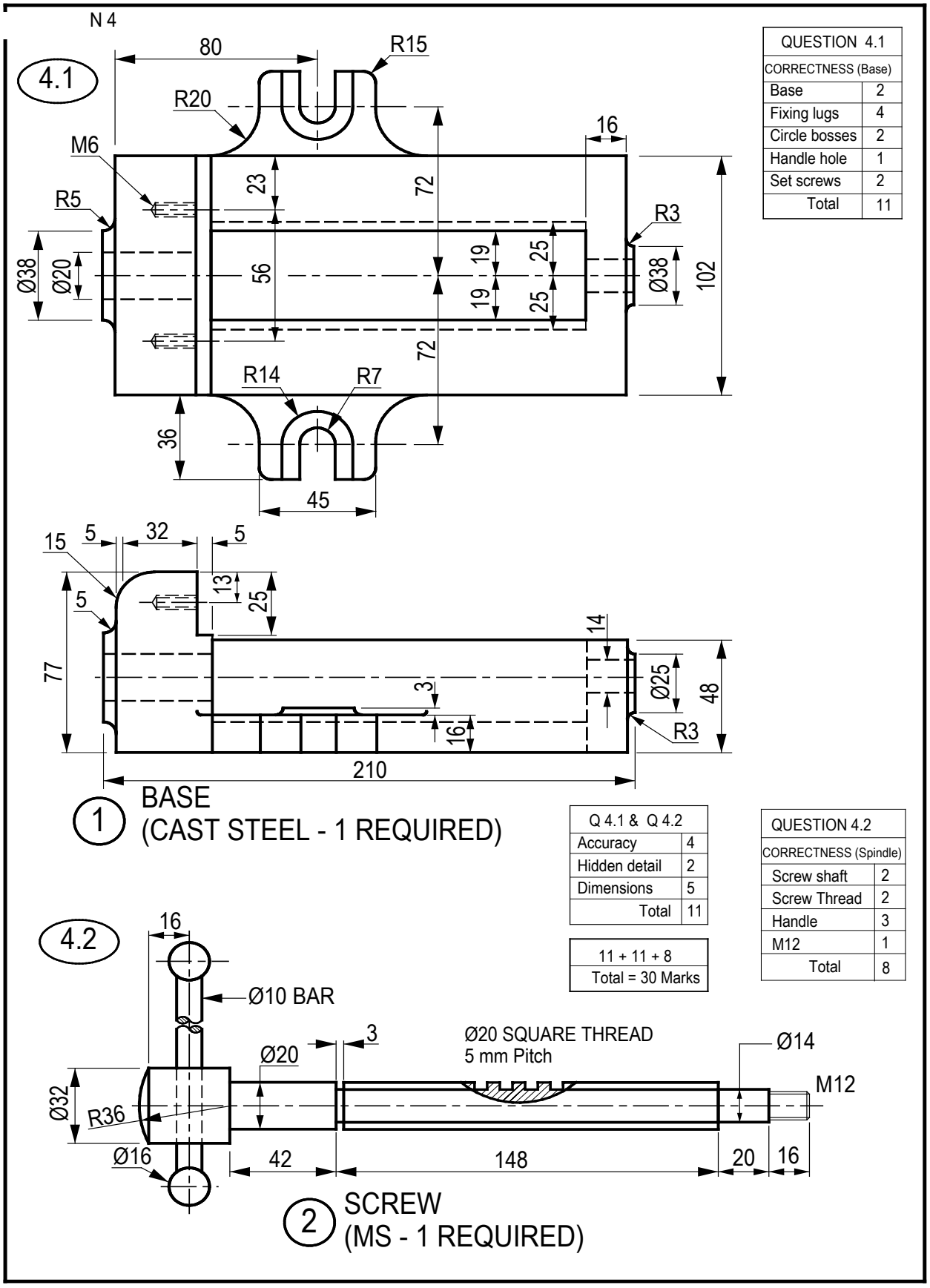
DETAIL OF JOINT AT 'T'
SCALE 1:5

QUESTION 3.2	
CORRECTNESS	
Set out lines corr	1
Angles corr.	4
Gusset plate	1
Bolt holes	3
Accuracy	3
Sectioning	1
Lables	2
Dimensions	2
Total	17

[20]

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QUESTION 4



QUESTION 4.1	
CORRECTNESS (Base)	
Base	2
Fixing lugs	4
Circle bosses	2
Handle hole	1
Set screws	2
Total	11

Q 4.1 & Q 4.2	
Accuracy	4
Hidden detail	2
Dimensions	5
Total	11

11 + 11 + 8
Total = 30 Marks

QUESTION 4.2	
CORRECTNESS (Spindle)	
Screw shaft	2
Screw Thread	2
Handle	3
M12	1
Total	8

[30]

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QUESTION 5: COMPUTER ORIENTATION

5.1 5.1.1 Data: Anything recorded or used for processing.

5.1.2 Fibre optics is used for high-speed data transmission through fibre optic cables.

5.1.3 Bug A part of a program that usually causes the computer to malfunction.

(3 × 1) (3)

5.2 5.2.1 Light-emitting diode

5.2.2 Portable document format

5.2.3 Self-monitoring analysis and reporting technology.

(3 × 1) (3)

5.3 Safe mode is a way for the Windows operating system to run with the minimum system files necessary. (2)

5.4 Work from home or stay productive on business trips, with seamless access to your desktop computer. (2)

[10]

TOTAL: 100