higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

MARKING GUIDELINE

NATIONAL CERTIFICATE:
MULTIDISCIPLINARY DRAWING OFFICE PRACTICE

COMPUTER-AIDED DRAUGHTING

29 NOVEMBER 2019

This marking guideline consists of 6 pages.

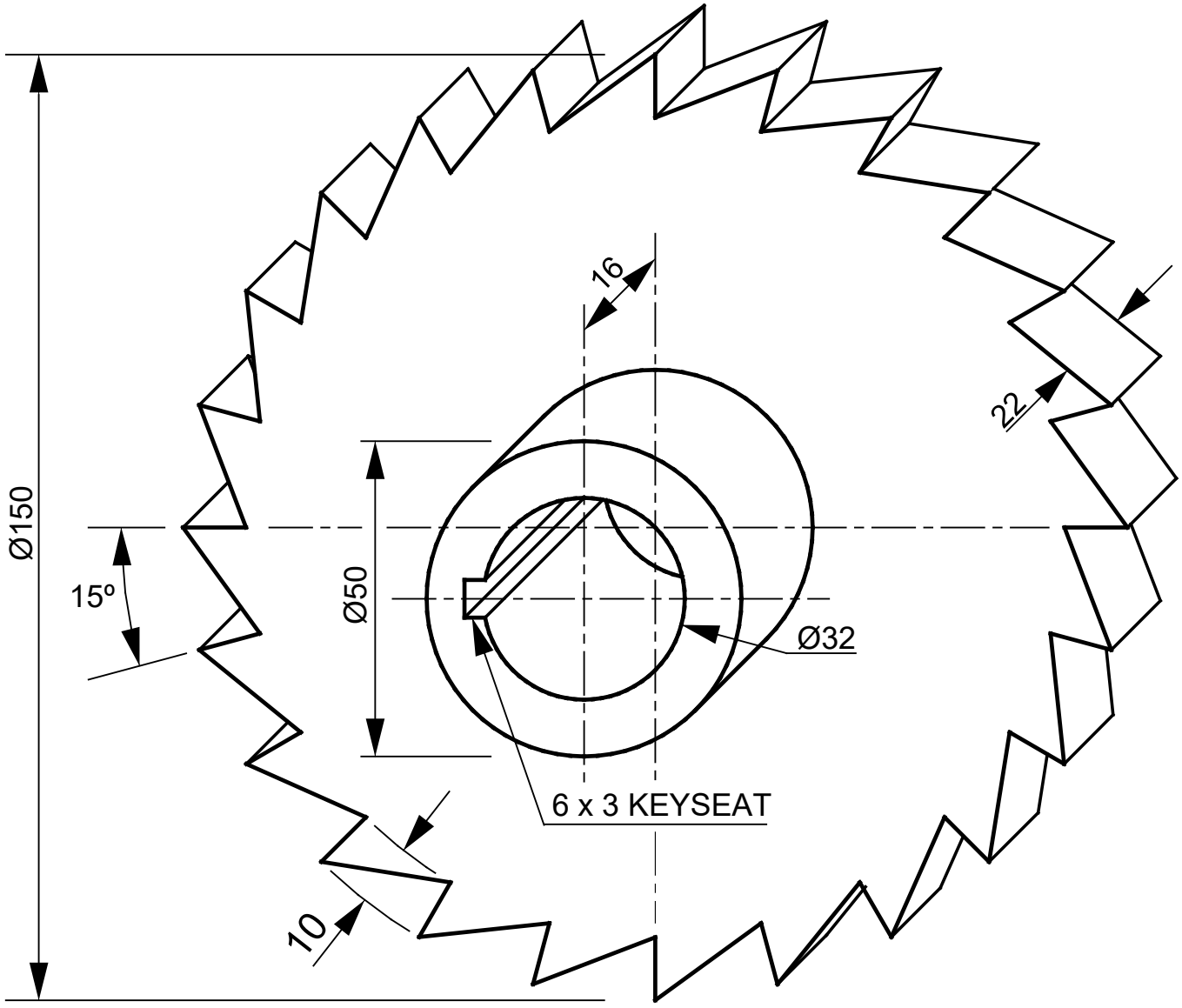
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Accept any correct alternative answer.

QUESTION 1

1.1	1.1.1	A folder is an electronic subdirectory which contains files.		
	1.1.2	An operating system is software that controls a computer.		
	1.1.3	A partition is a subdivision of a hard-drive surface that is defined and used as a separate drive.		
			(3 × 1)	(3)
1.2	1.2.1	graphic symbol		(1)
	1.2.2	recording; high-definition video		(2)
1.3	1.3.1	High-definition multimedia interface		
	1.3.2	Digital versatile disc recordable		
			(2 × 2)	(4)
				[10]

QUESTION 2: GENERAL AND MECHANICAL DRAUGHTING

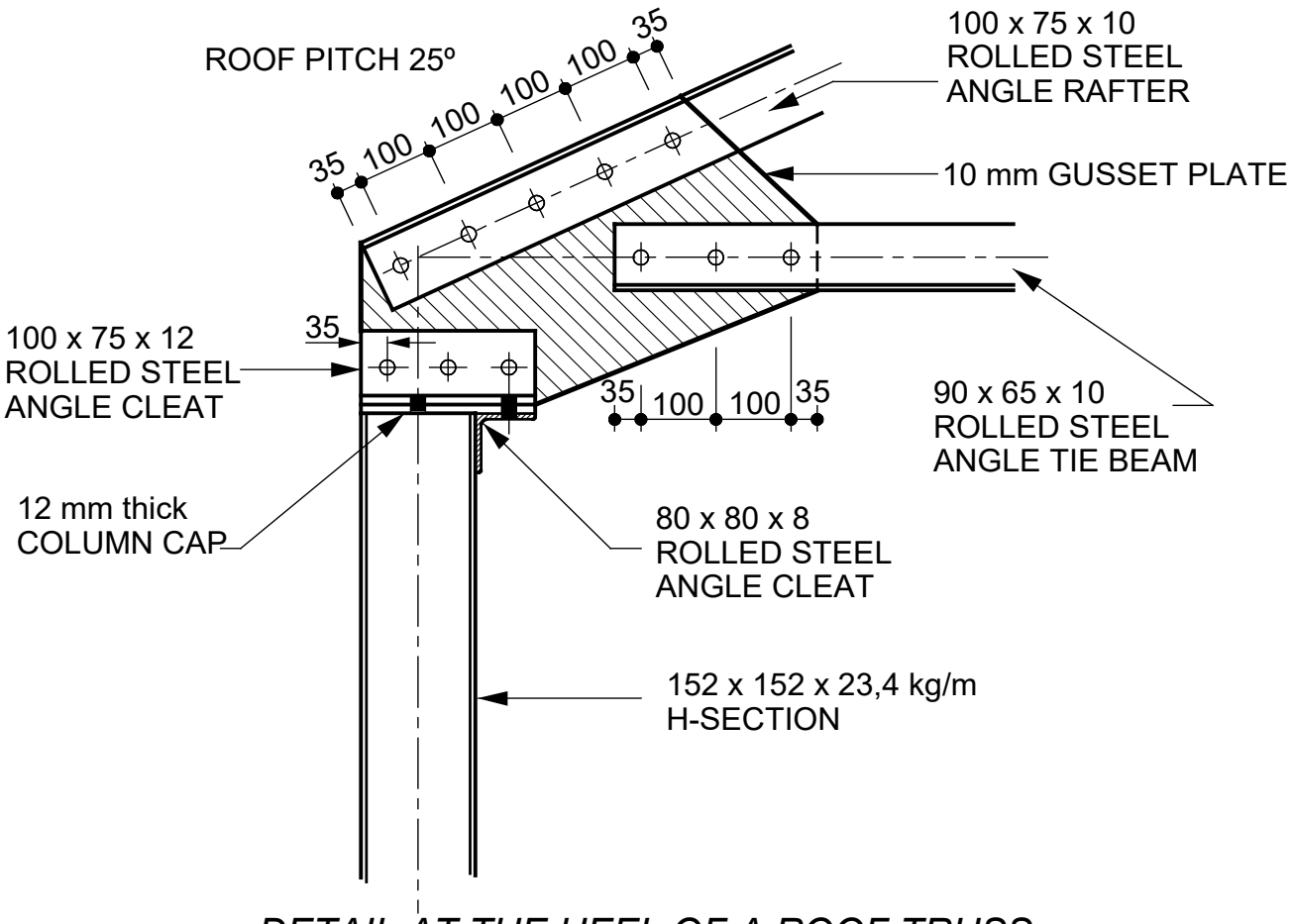


MARK ALLOCATION		
Correctness:		16
Oblique view corr.	2	
Teeth drawn corr.	6	
Centre part & proj.	4	
Slot	2	
Centre lines	2	
Accuracy / scale		4
Dimensions		3
Total		25

[25]

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QUESTION 3: STRUCTURAL STEEL DETAILING



DETAIL AT THE HEEL OF A ROOF TRUSS
SCALE 1:10

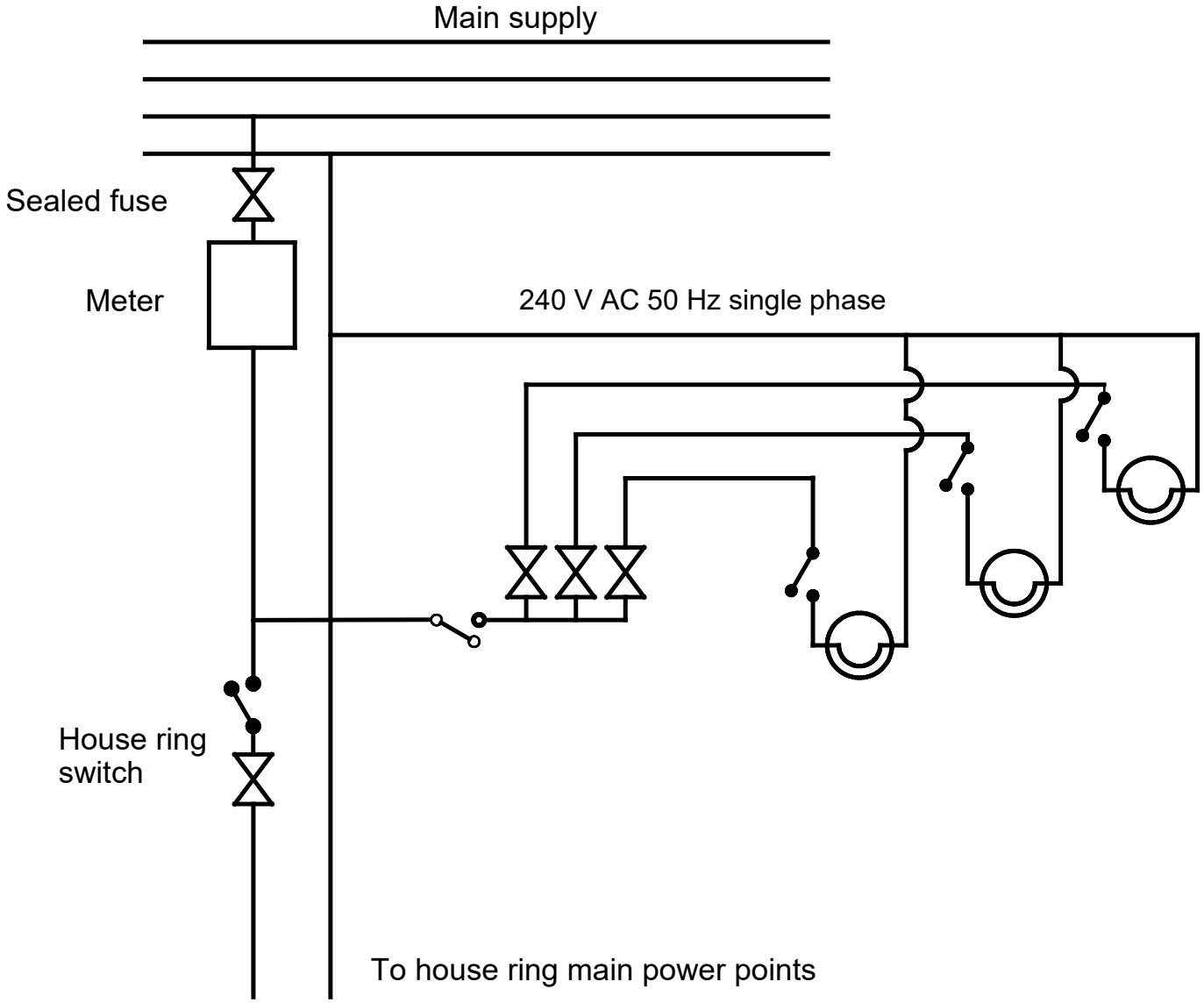
MARK ALLOCATION		
Correctness:		28
Setting out lines	3	
Column corr.	3	
Cap plate	2	
Angle cleats	3	
Rafter	3	
Tie beam	3	
Gusset plate	2	
Bolt Holes Rafter	5	
Bolt holes Tie beam	3	
Bolt holes in cleat	1	
Accuracy / scale		4
Dimensions		4
labels.		4
Total		40

Total = 40 / 2
= 20 Marks

[20]

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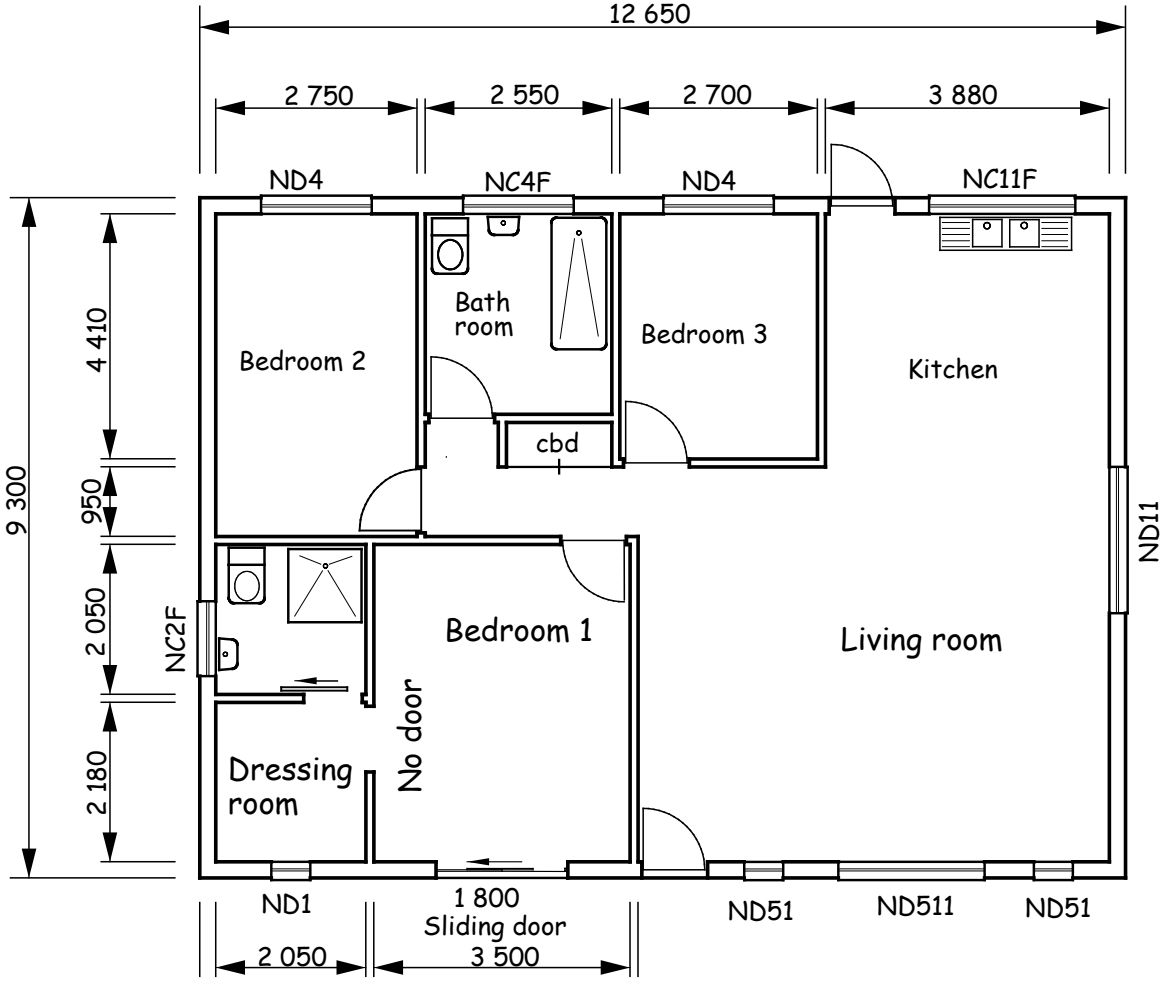
QUESTION 4: ELECTRICAL DRAUGHTING



MARK ALLOCATION		
Correctness:		10
Good proportion	2	
All symbols in place	8	
Accurary	2	
Labels	3	
Total	15	

[15]

QUESTION 5: BUILDING DRAUGHTING



MARK ALLOCATION		
Correctness:		24
House redrawn corr.	6	
Internal walls corr.	3	
Windows corr.	5	
Doors corr.	3	
Bathroom fitments	5	
Kitchen sink	2	
Accuracy		5
Scale		2
Dimensions		4
Labels		4
Total		40

Total = 40 /1,33
= 30 Marks **[30]**

TOTAL: 100

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