higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

MARKING GUIDELINE

NATIONAL CERTIFICATE

COMPUTER-AIDED DRAUGHTING

11 APRIL 2019

This marking guideline consists of 7 pages.

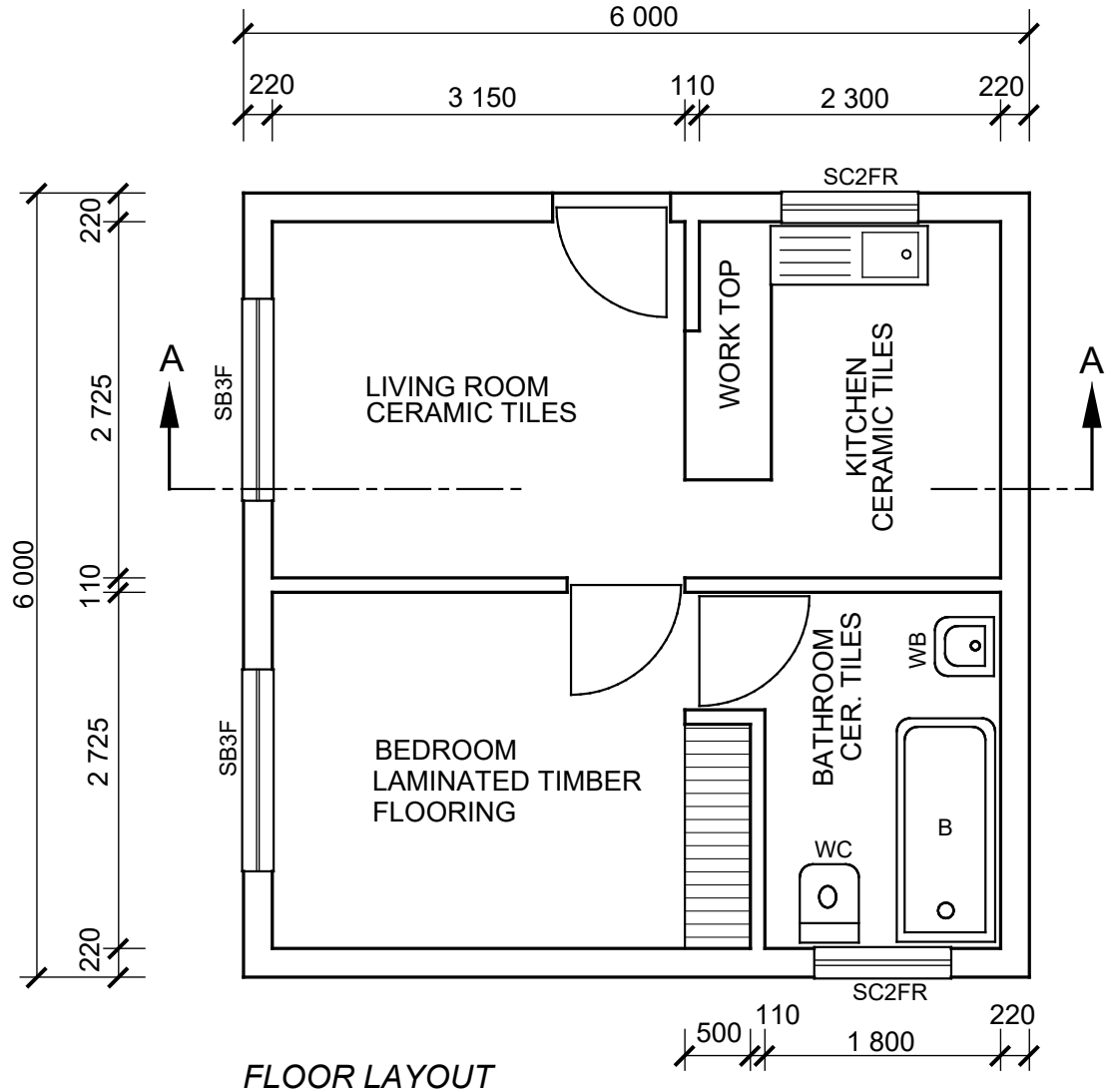
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QUESTION 1: COMPUTER ORIENTATION

1.1	1.1.1	Cursor and digitiser	(2)
	1.1.2	Laser printer	(1)
	1.1.3	Read-only memory	(1)
	1.1.4	The first directory in a hierarchy containing the root file system	(1)
1.2	1.2.1	Ethernet	
	1.2.2	malware	
	1.2.3	CMOS	
	1.2.4	landscape	
	1.2.5	server	
		(5 × 1)	(5)
			[10]

QUESTION 2: BUILDING DRAUGHTING

QUESTION 2.1



FLOOR LAYOUT
SCALE 1:50

MARK ALLOCATION	
PLAN VIEW	
Correctness:	
External walls	3
Internal walls	3
Windows	4
Doors	4
Bathr fitments	4
Snk, Cbd, WTop	3
Total	21

MARK ALLOCATION	
SECTIONAL VIEW	
Correctness:	
Corr View	3
Corr Width	2
Heights Corr.	3
Fndns and Floor	4
NGL	2
Roof Structure	4
Door	2
Window	2
Total	22

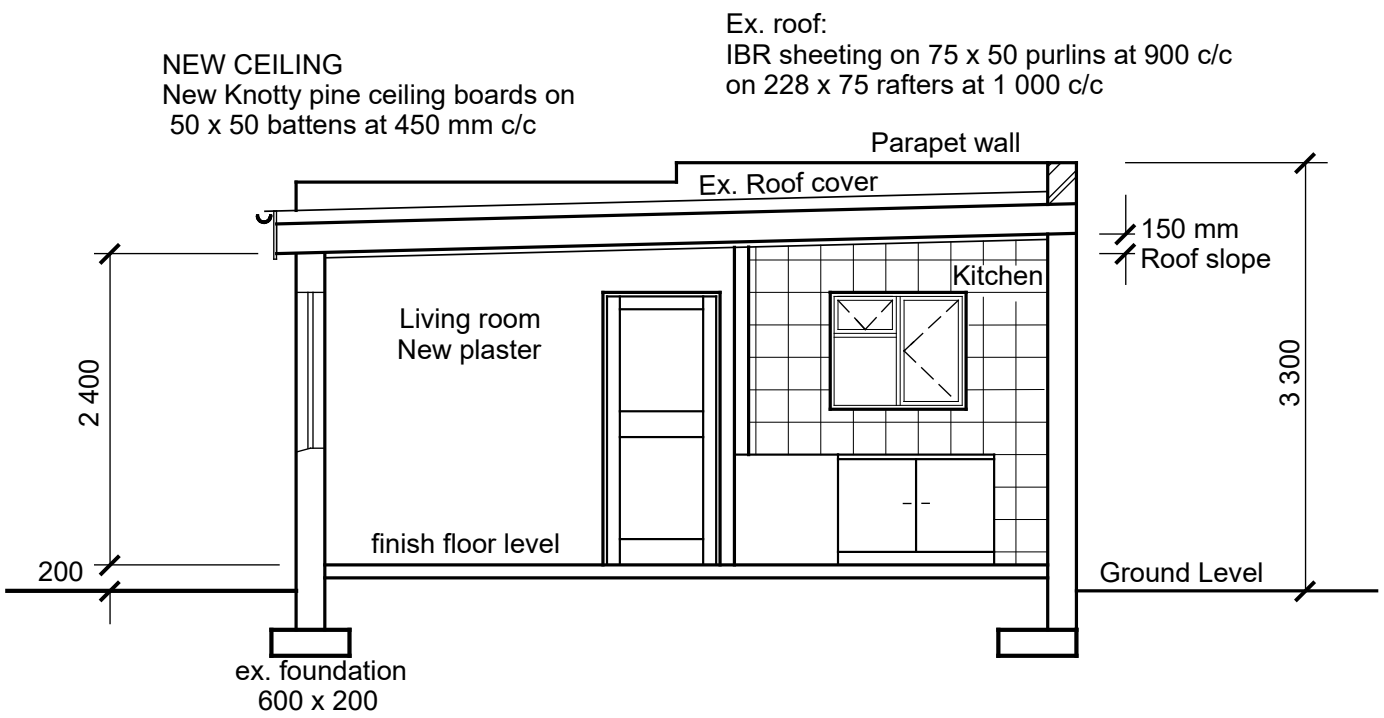
MARK ALLOCATION	
Accuracy	4
Dimensions	4
Labels	3
Window codes	3
Descriptive notes	3
Total	17

FINAL MARK
22 + 21 + 17 = 60
60 / 2 = 30

[30]

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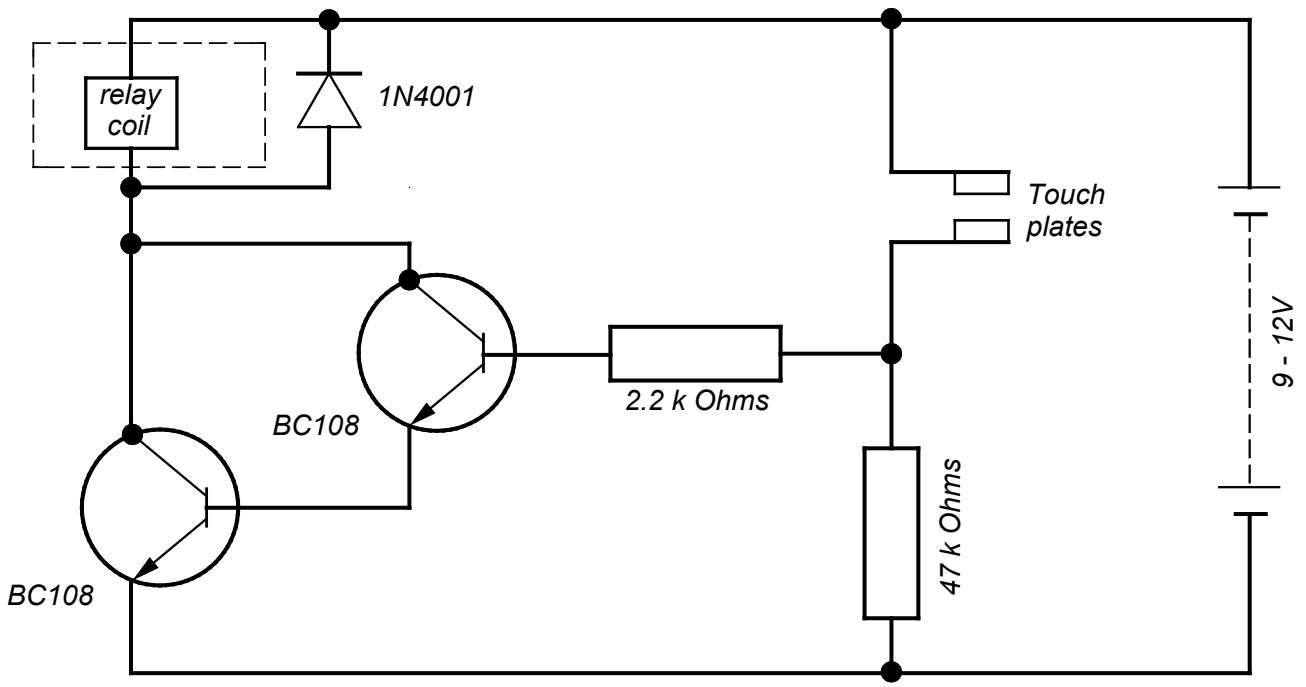
QUESTION 2.2



SECTION A - A
SCALE 1:50

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QUESTION 3: ELECTRICAL DRAUGHTING



Circuit for a touch sensitive switch

MARK ALLOCATION		
Correctness:		6
Good proportion	2	
All symbols	4	
Accuracy		2
Labels		2
Total		10

[10]

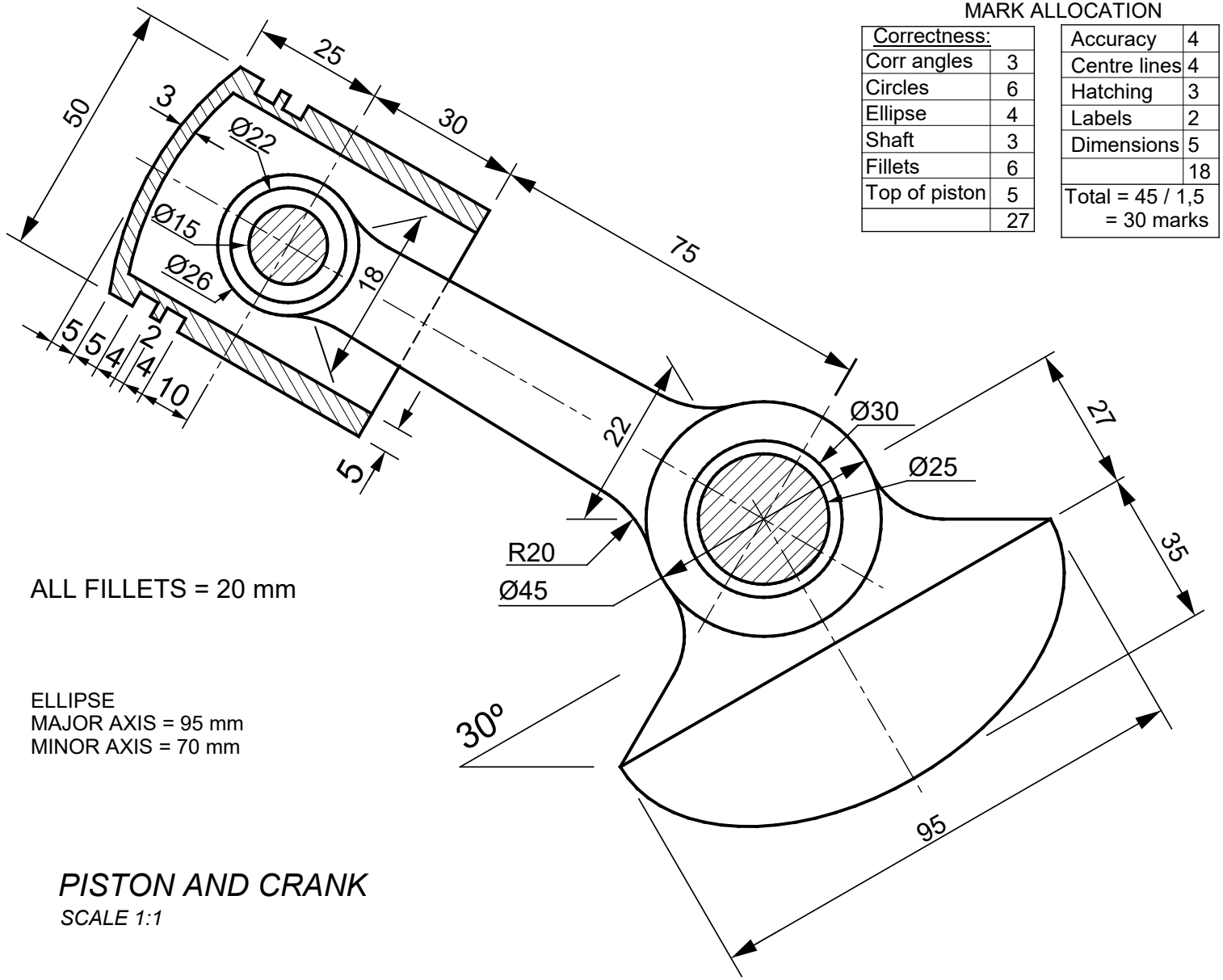
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QUESTION 4: GENERAL AND MECHANICAL DRAUGHTING

MARK ALLOCATION

Correctness:	
Corr angles	3
Circles	6
Ellipse	4
Shaft	3
Fillets	6
Top of piston	5
	27

Accuracy	4
Centre lines	4
Hatching	3
Labels	2
Dimensions	5
	18
Total = 45 / 1,5 = 30 marks	

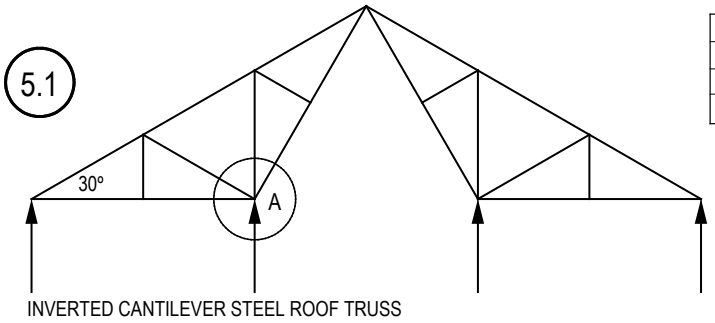


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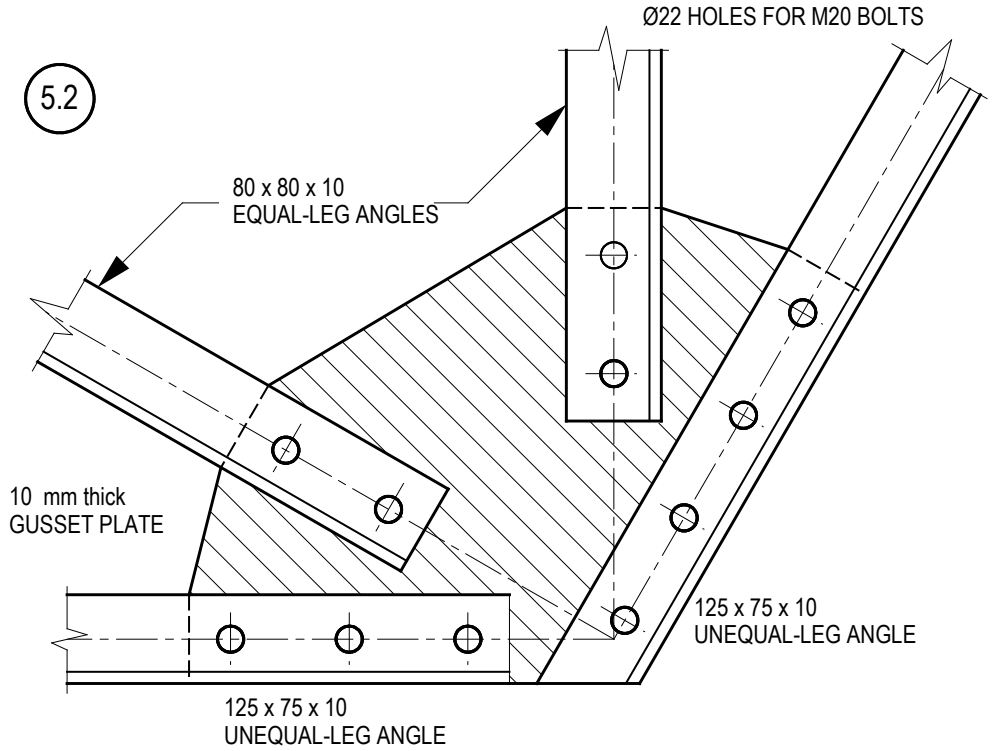
QUESTION 5: STRUCTURAL STEEL DETAILING

5.1



Correctness:	
Pitch corr	1
Shape corr	2
Total	3

5.2



Correctness:	
Corr angles	8
All Angles in corr pos.	4.
All Bolt holes spaced corr	6
Gusset plate corr.	2
	20

Accuracy	4
Centre lines	3
Hatching	3
Labels	4
	14

Total = 34 / 2
= 17 marks

Total = 3 +17
= 20 marks

[20]

TOTAL: 100

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