

SENIOR CERTIFICATE EXAMINATIONS/ NATIONAL SENIOR CERTIFICATE EXAMINATIONS

ENGINEERING GRAPHICS AND DESIGN P1

2019

MARKING GUIDELINES

MARKS: 100

These marking guidelines consist of 8 pages.

APPROVED

UMALUSI MODERATOR: S. DE BRUIN

DBE IM: J VAN LEEUWEN

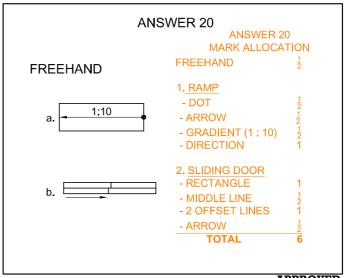
DBE CE: W GOODCHILD

ANSWERS				
1	VANESSA	1		
2	108	1		
3	YG/-2018	1		
4	6 m	1		
5	1,2 m	1		
6	3	1		
7	4	1		
8	2500	1		
9	RED	1		
10	INSPECTION CHAMBER	1		
11	RIVER	1		
12	CONCRETE WALL	1		
13	GULLY	1		
14	CONTOUR HEIGHT/HEIGHT ABOVE SEA LEVEL	1		
15	WATT/ELECTRICAL METER	1		
16	12 m	1		
17	SOUTH-WEST	2		
18	68 m (formula 1, answer 1, decimal correct 1)	3		
19	700 m² (formula 1, answer 1, metre² 1)	3		
20	See below	6		
TOTAL				

ANSWER 18
Show ALL calculations.
L+L+L+L+L+L
=9+21+4+4+5+25

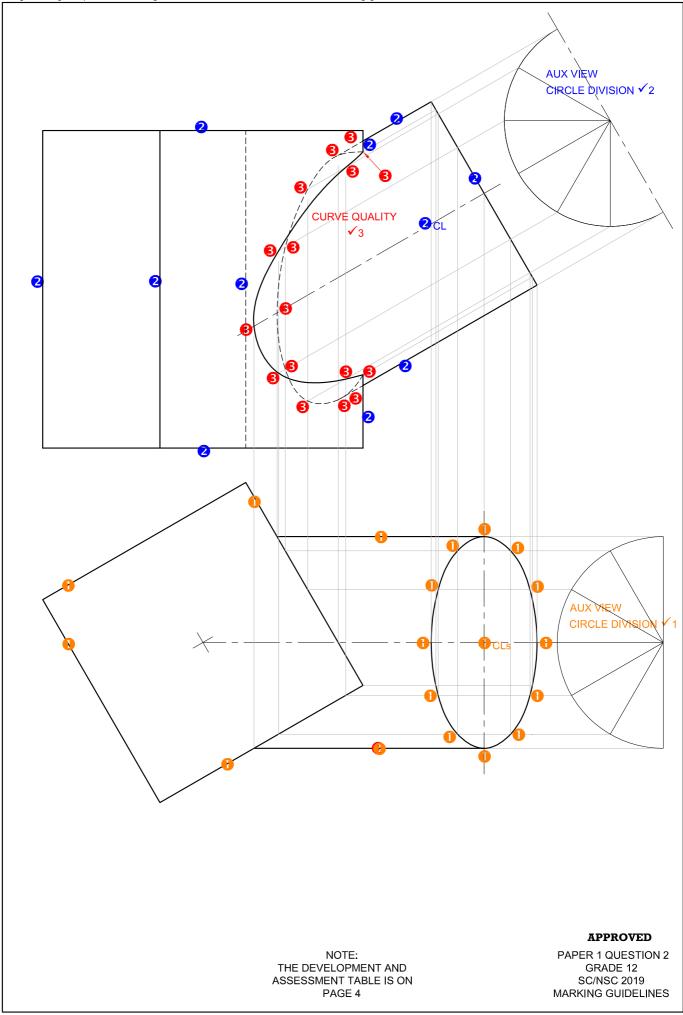
= 68 m √ √

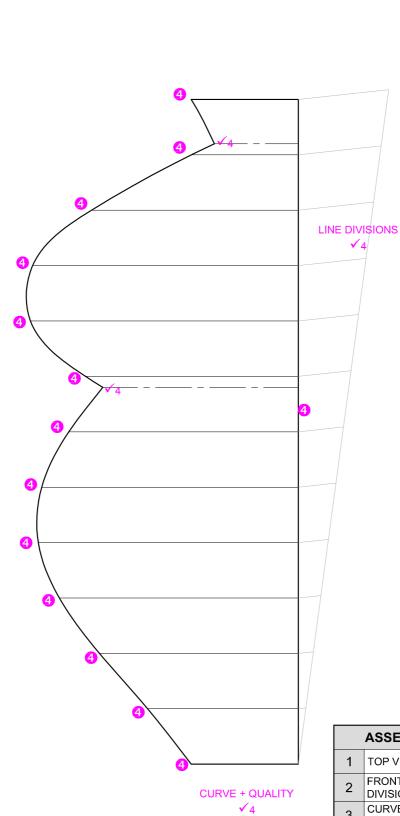
ANSWER 19 Show ALL calculations. $(LxB) + \frac{1}{2}(BxH) \checkmark$ $= (20x30) + \frac{1}{2}(20x10)$ = 600 + 100 $= 700 \text{ m}^2 \checkmark \checkmark$



APPROVED

PAPER 1 QUESTION 1 GRADE 12 SC/NSC 2019 MARKING GUIDELINES

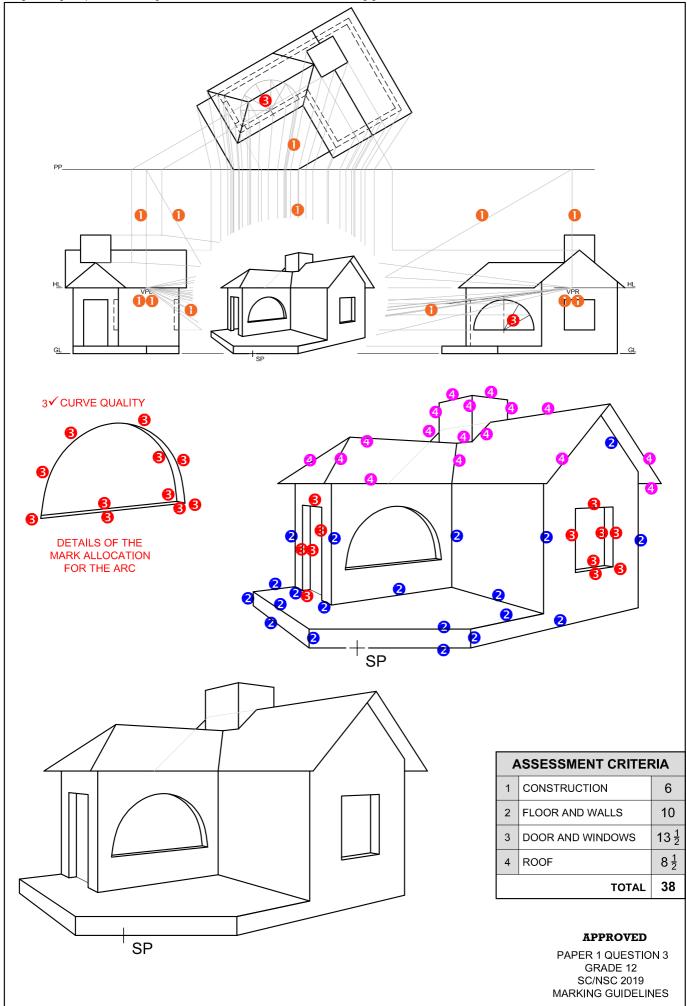


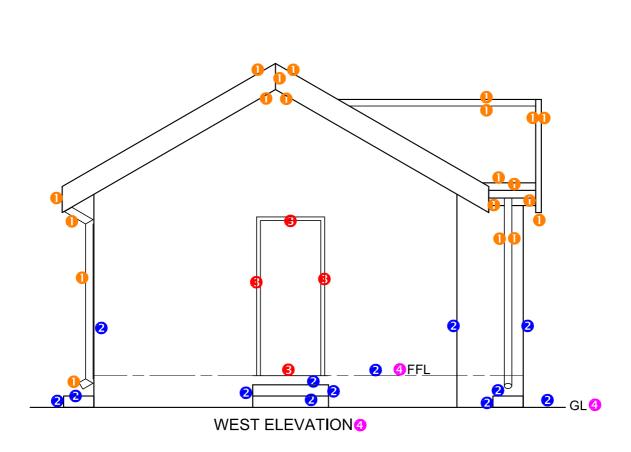


ASSESSMENT CRITERIA				
1	TOP VIEW	$10\frac{1}{2}$		
2	FRONT VIEW + CIRCLE DIVISION	$6\frac{1}{2}$		
3	CURVE OF INTERPENETRATION	9		
4	DEVELOPMENT	11		
	TOTAL	37		

APPROVED

PAPER 1 QUESTION 2 GRADE 12 SC/NSC 2019 MARKING GUIDELINES

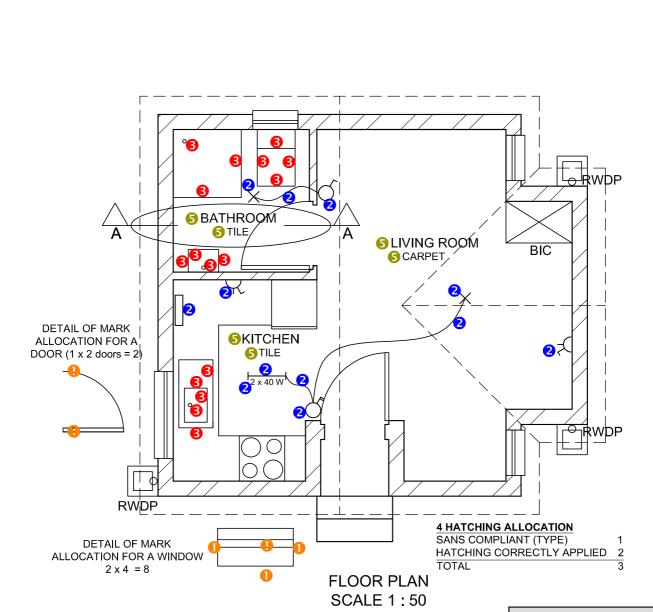




ASSESSMENT CRITERIA					
WEST ELEVATION					
1	ROOF + RWDP	10			
2	WALLS + FFL	6 ½			
3	DOOR	2			
4	LABELS	1 ½			
s	SUBTOTAL	20			

APPROVED

PAPER 1 QUESTION 4 GRADE 12 SC/NSC 2019 MARKING GUIDELINES



ASSESSMENT CRITERIA					
FLOOR PLAN					
		POSSIBLE			
1	DOORS + WINDOWS	10			
2	ELECTRICAL	6			
3	FIXTURES	8			
4	HATCHING	3			
5	LABELS	3			
s	SUBTOTAL	30			

APPROVED

PAPER 1 QUESTION 4 GRADE 12 SC/NSC 2019 MARKING GUIDELINES

