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basic education

Department: Basic Education **REPUBLIC OF SOUTH AFRICA**

NATIONAL SENIOR CERTIFICATE

GRADE 12

ENGINEERING GRAPHICS AND DESIGN P1

FEBRUARY/MARCH 2018

MARKING GUIDELINES

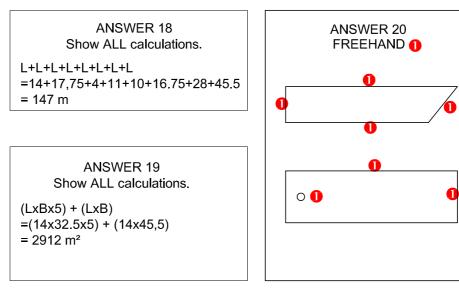
MARKS: 200

These marking guidelines consist of 7 pages.

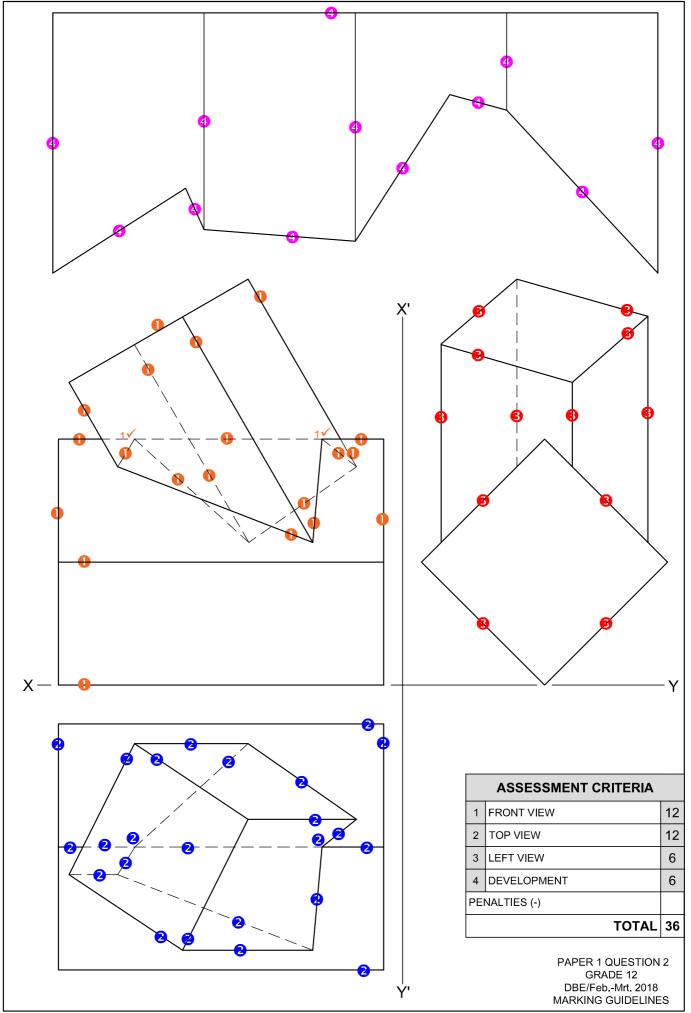
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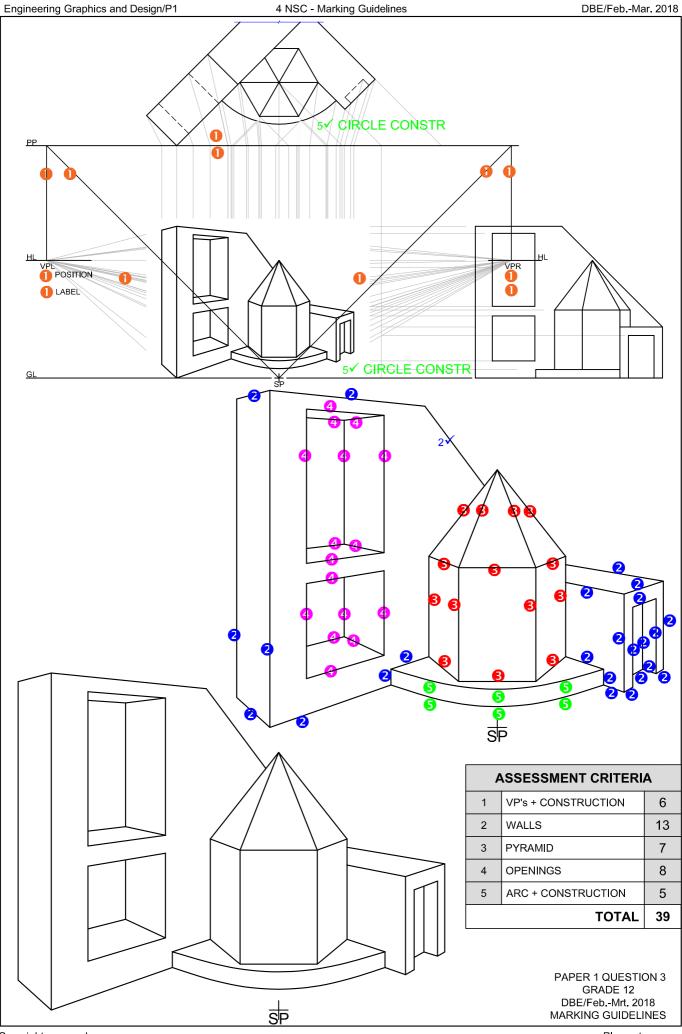
	ANSWERS				
1	2017-08-01	1			
2	177 WEST PARK DRIVE	1			
3	P1Q1-2017	1			
4	MOVE SUBSTATION	1			
5	ASPHALT	1			
6	14	1			
7	10	1			
8	D	1			
9	1:40	1			
10	PAVEMENT	1			
11	BUILDING LINE	1			
12	BOUNDARY OF ADJACENT STAND	1			
13	RODDING EYE (RE)	1			
14	BLUE	1			
15	GULLY	2			
16	NORTH EAST	2			
17	167 m	2			
18	147 m (calculation 1, answer 1, metre 1)	3			
19	2192 m ² (calculation 1, answer 1, metre ² 1)	3			
20	See below	4			

TOTAL: 30



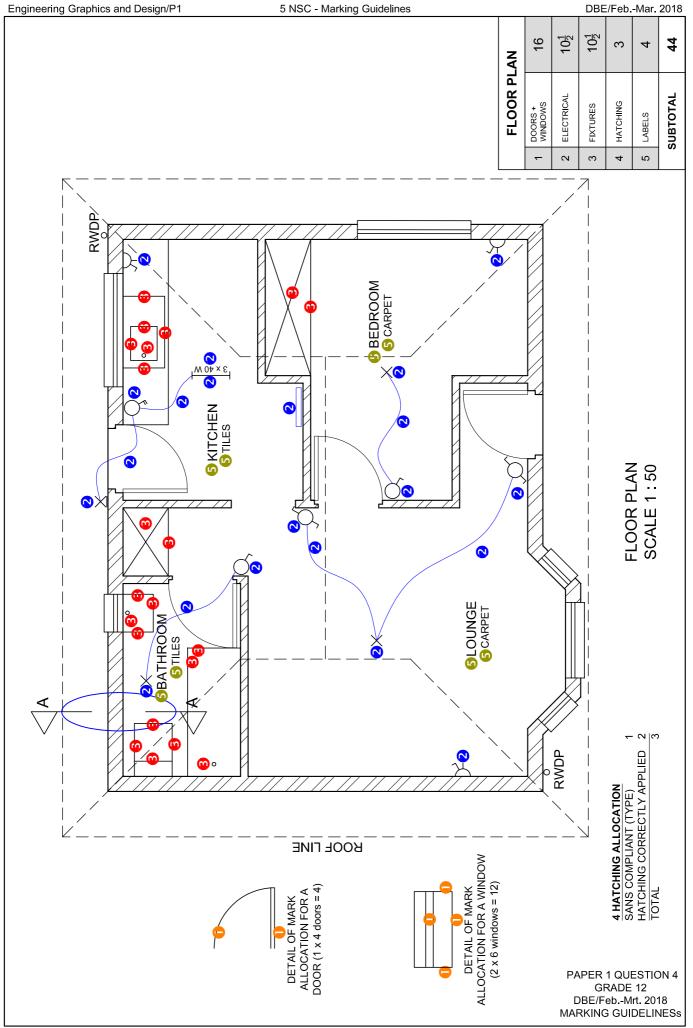
PAPER 1 QUESTION 1 GRADE 12 DBE/Feb.-Mrt. 2018 MARKING GUIDELINES





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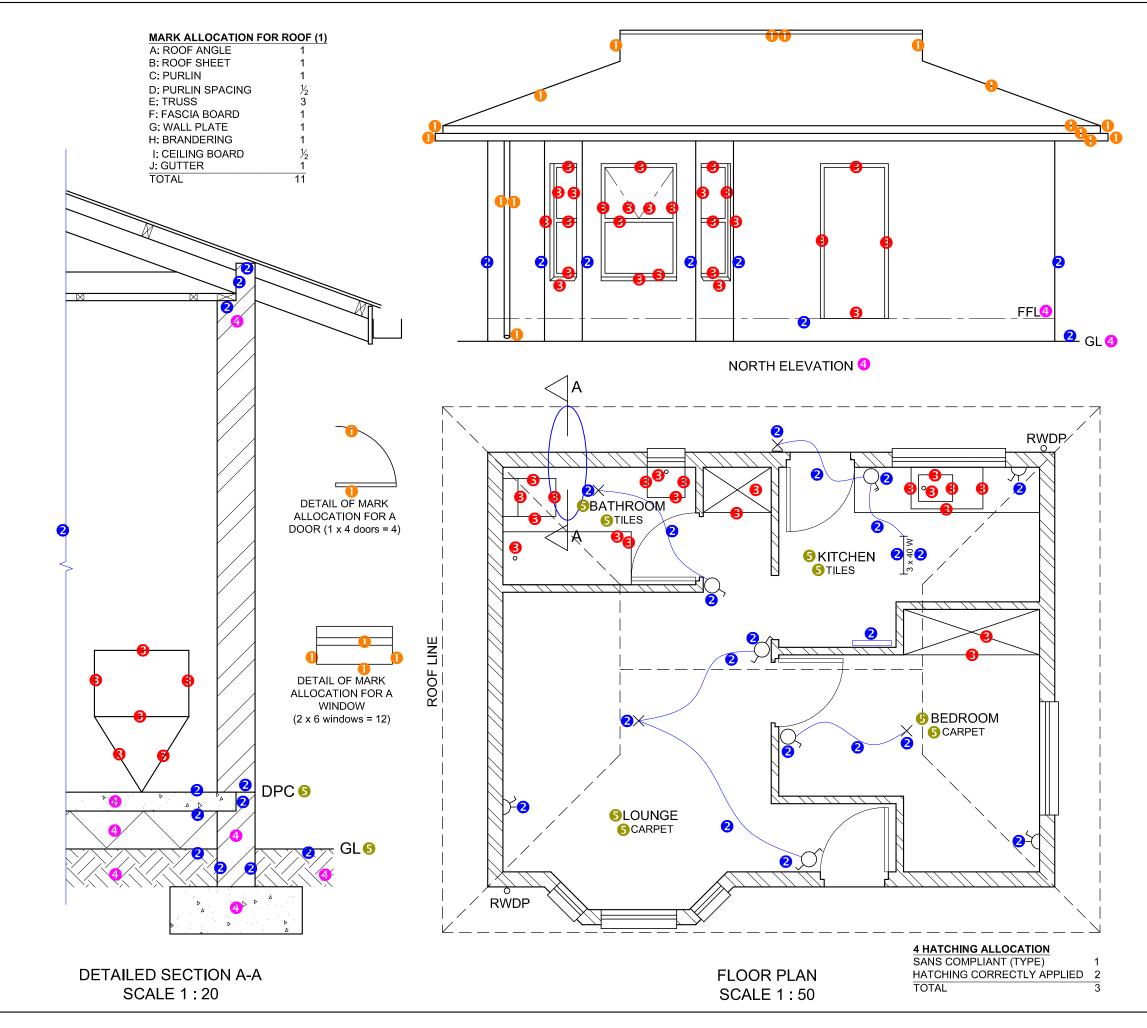


VATION	8	4	13	1 <u>1</u>	26_2^1
NORTH ELEVATION	1 ROOF + RWDP	2 WALLS + FFL	3 DOOR + WINDOW	4 LABELS	SUBTOTAL
	Ρ	PAPER	1 QU	ESTIC	N 4
	M	G DBE/F ARKIN	ebM	rt. 201	8 NES

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MARK ALLOCATION F A: ROOF ANGLE B: ROOF SHEET C: PURLIN	1 1 1
D: PURLIN SPACING E: TRUSS	¹ / ₂ 3
F: FASCIA BOARD G: WALL PLATE	
H: BRANDERING	1
I: CEILING BOARD J: GUTTER	
TOTAL	
	2
	i i i i i i i i i i
	GL S
TAILED SECTION	
ROOF DETAIL + 11	
FOUNDATION + 6	
wc 3	
HATCHING 3 ¹ / ₂	DETAILED SECTION A-A SCALE 1 : 20 PAPER 1 QUESTION 4
LABELS 1	SCALE 1:20 PAPER 1 QUESTION 4 GRADE 12 DBE/FebMrt. 2018
UBTOTAL 24 ¹ / ₂	MARKING GUIDELINES

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FOR OFFICIAL USE ONLY					
INCORRECT SCALE(S) USED					
NON-ALIGNMENT OF VIEWS					
VIEW(S) ROTATED					
SECTION VIEWED INCORRECTLY					
INCORRECT LETTERING					
TOTAL PENALTIES (-)					

MARK ALLOCATION FOR ROOF SECTION										
Α	В	С	D	Е	F	G	н	Ι	J	

ASSESSMENT CRITERIA							
FLOOR PLAN							
		POSSIBLE	OBTAINED	SIGN	MODERATED		
1	DOORS + WINDOWS	16					
2	ELECTRICAL	10 <u>1</u>					
3	FIXTURES	10 <u>1</u>					
4	HATCHING	3					
5	LABELS	4					
;	SUBTOTAL	44					
	N	ORTH EL	EVATION				
1	ROOF + RWDP	8					
2	WALLS + FFL	4					
3	DOOR + WINDOW	13					
4	LABELS	1 ¹ / ₂					
	SUBTOTAL	26 ¹ / ₂					
	DE	ETAILED	SECTION	1			
1	ROOF DETAIL + RWDP	11					
2	FOUNDATION + WALL + SLAB	6					
3	wc	3					
4	HATCHING	3 <u>1</u>					
5	LABELS	1					
	SUBTOTAL	24 <u>1</u>					
	TOTAL	95					
	PENALTIES	5 (-)					
	GRAND TO	TAL					