



# basic education

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

## **NATIONAL SENIOR CERTIFICATE**

**GRADE 12**

**ENGINEERING GRAPHICS AND DESIGN P1**

**FEBRUARY/MARCH 2014**

**MEMORANDUM**

**MARKS: 100**

**This memorandum consists of 7 pages.**

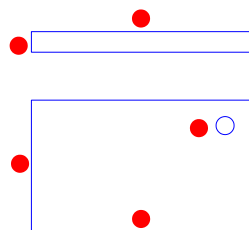
# ANSWERS

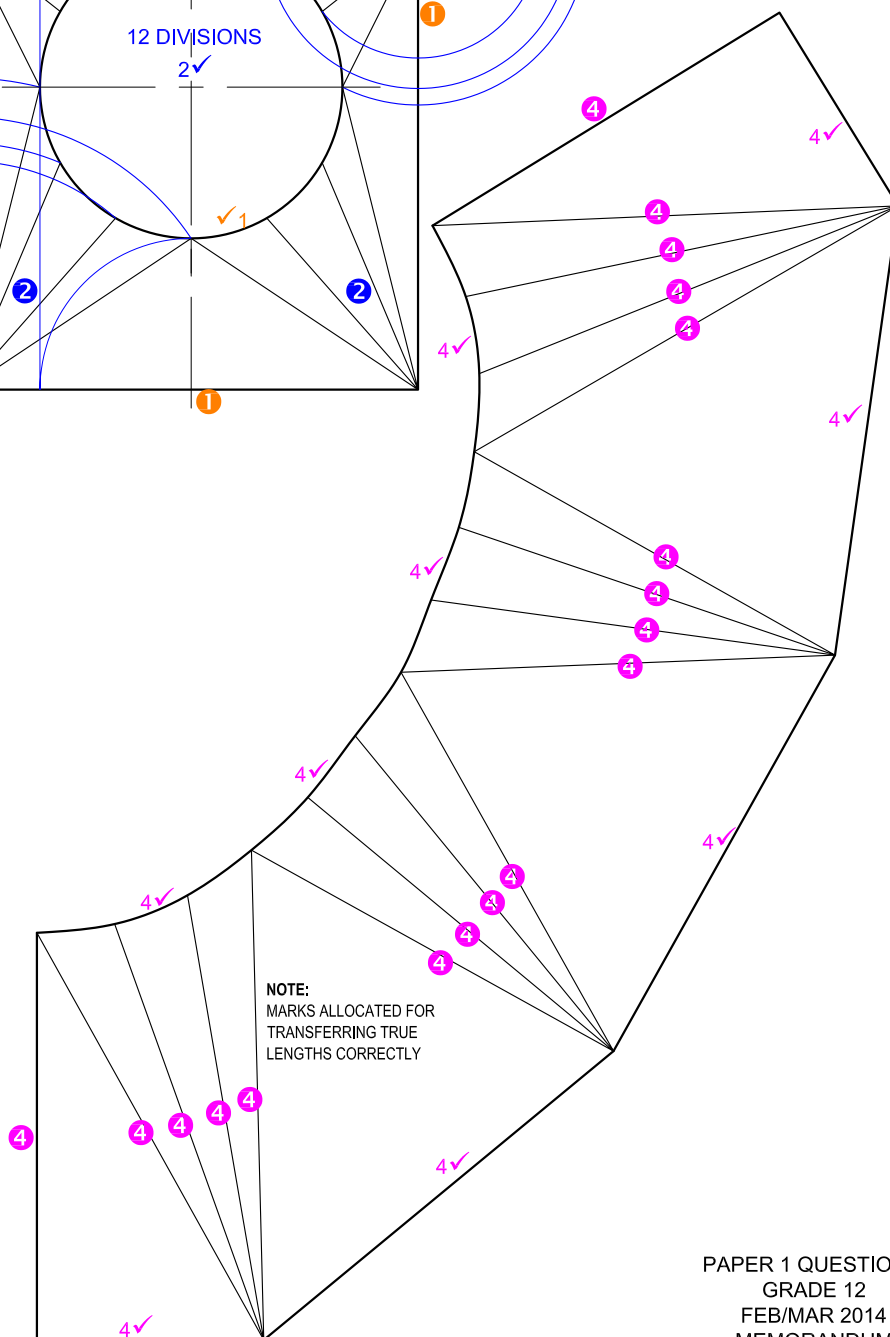
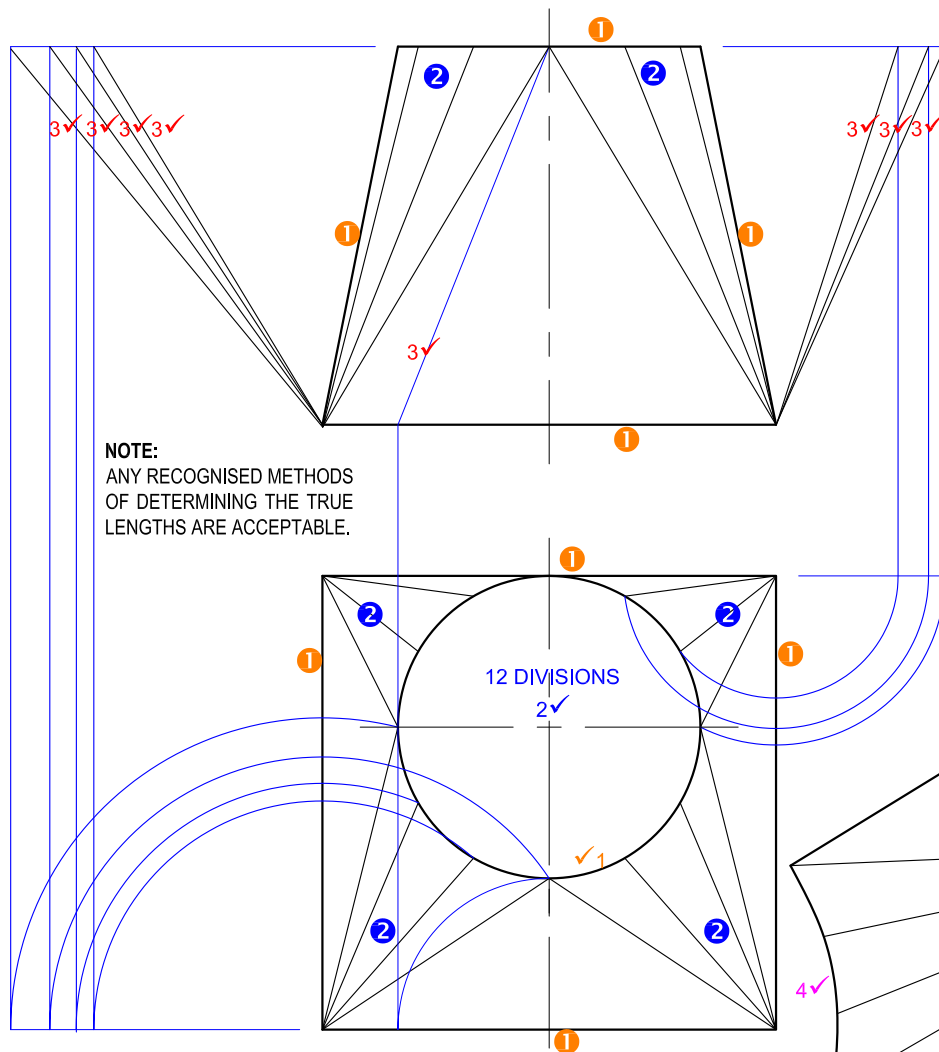
1	14-02-2014	1
2	P XABA	1
3	1 : 200	1
4	2014-001	1
5	BUDGET DRAUGHTING	1
6	4	1
7	1 : 30	1
8	2,25 m	1
9	GATE	1
10	GULLEY	1
11	UP	1
12	RETAINING WALL	1
13	TREE	1
14	SOUTH WESTERN	1
15	47,5 m	2
16	5 m x 12,5 m	2
17	156 m <sup>2</sup> [calculation 1, answer 1, metre <sup>2</sup> 1]	3
18	245 m [calculation 1, answer 1, metre 1]	3
19	12,4 m [calculation 1, answer 1, metre 1]	3
20	(See below.)	3

**TOTAL: 30**

20

FREEHAND ●



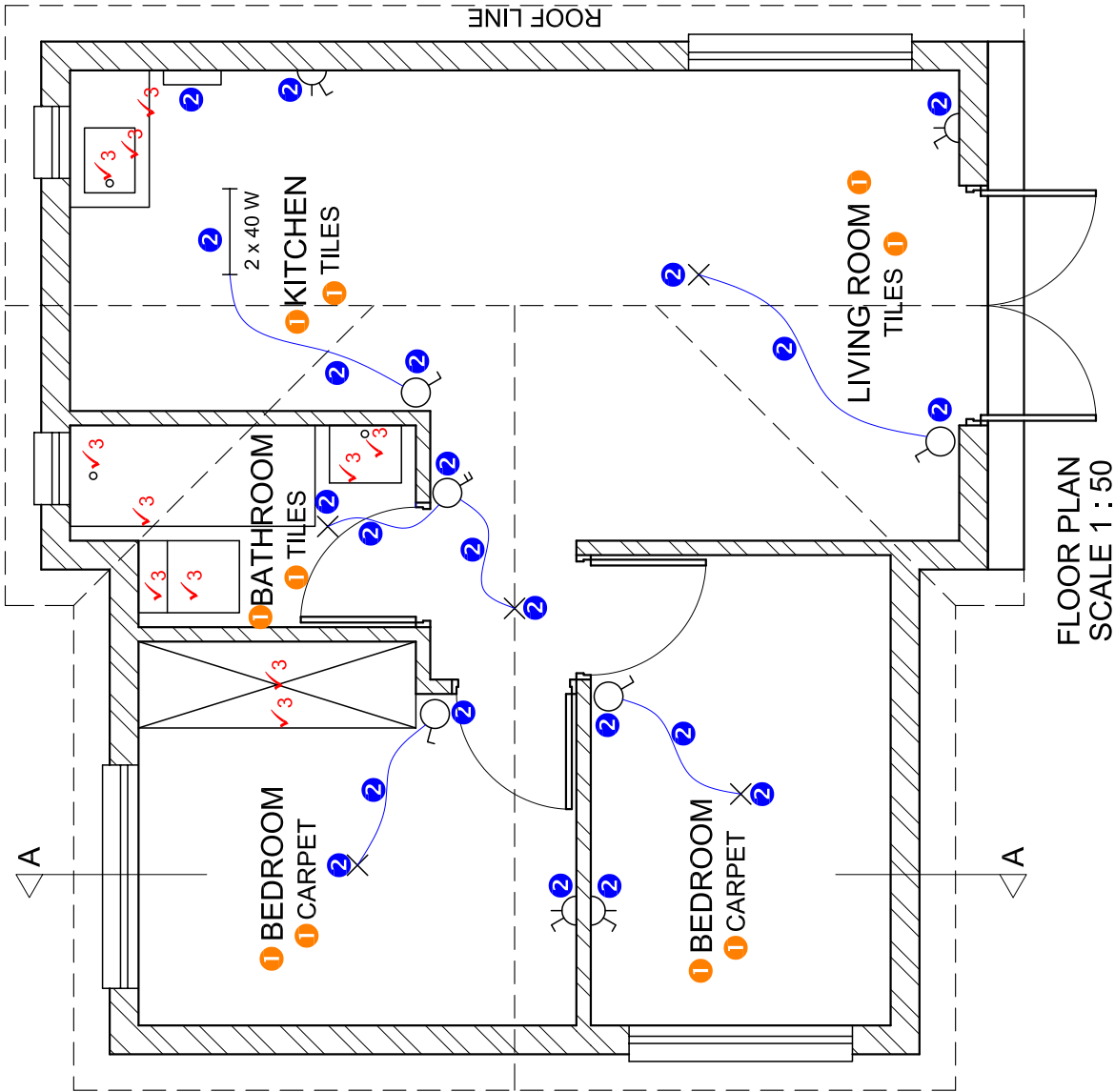


ASSESSMENT CRITERIA		
1	GIVEN	5
2	CONSTRUCTION	4
3	TRUE LENGTHS	8
4	DEVELOPMENT	18
TOTAL		35

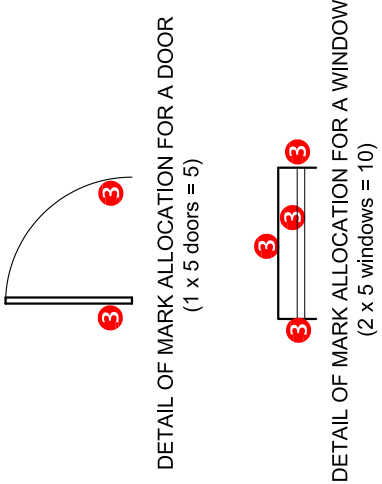
PAPER 1 QUESTION 2  
GRADE 12  
FEB/MAR 2014  
MEMORANDUM

ASSESSMENT CRITERIA		
1	CONSTRUCTION + VPs	6
2	WALLS + CUPBOARDS	17½
3	EXTRACTOR + CIRCLES	15½
TOTAL		39

PAPER 1 QUESTION 3  
GRADE 12  
FEB. - MAR. 2014  
MEMORANDUM



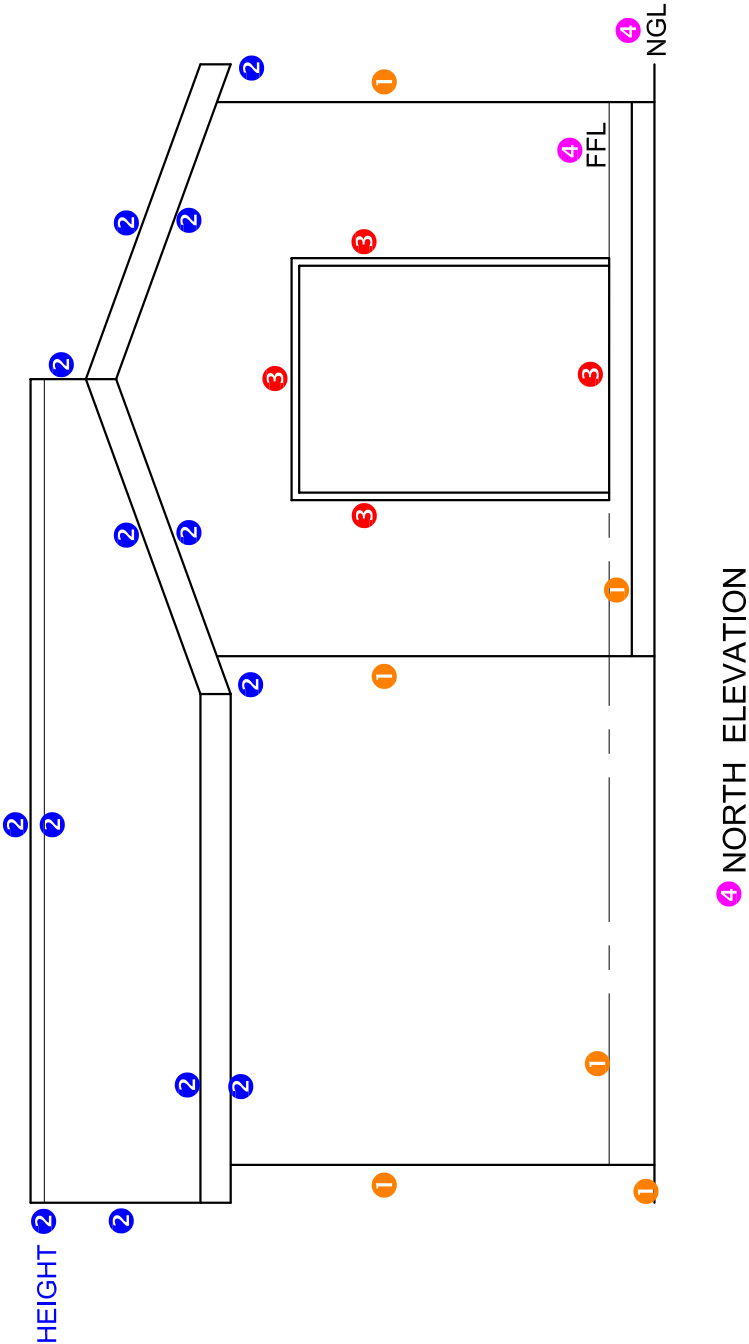
FLOOR PLAN  
SCALE 1 : 50



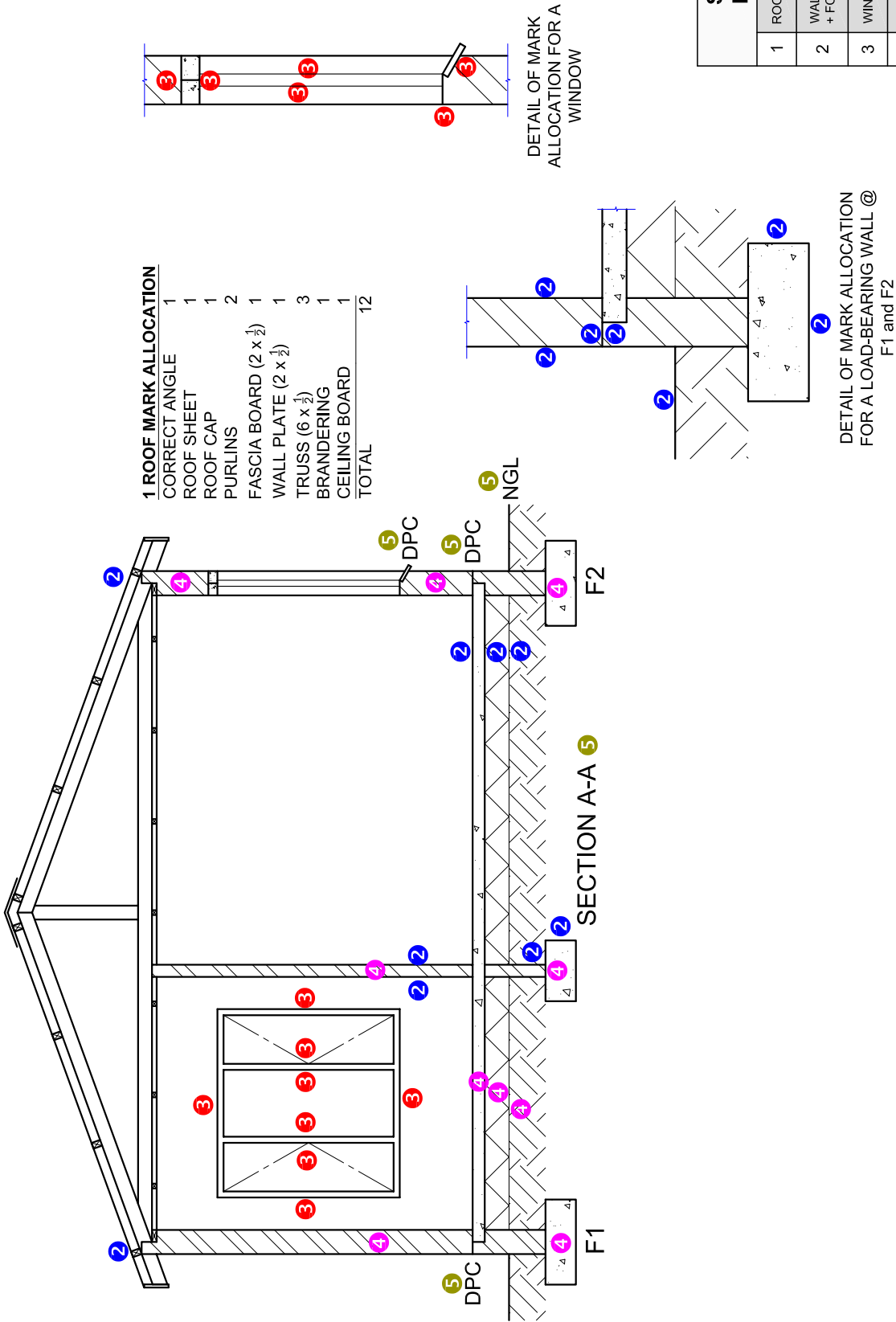
**5 HATCHING MARK ALLOCATION**

SANS COMPLIANT (TYPE)	1
HATCHING CORRECTLY APPLIED	2
TOTAL	3

FLOOR PLAN	
1	5
2	11
3	11
4	15
5	3
SUBTOTAL	
45	



NORTH ELEVATION		
1	WALLS + FFL + STEP	3
2	ROOF + FASCIA + GUTTER + RWDP	6½
	DOOR	2
3	LABELS	1½
SUBTOTAL		13



SECTIONAL ELEVATION	
1	ROOF
2	WALLS + FLOOR + FOUNDATION
3	WINDOWS
4	HATCHING
5	LABELS
SUBTOTAL	
12	11 1/2
7	5
2 1/2	38