

**ENGINEERING
GRAPHICS AND
DESIGN**

**GRADE 12
PAPER 1
FEBRUARY
MARCH
2009**

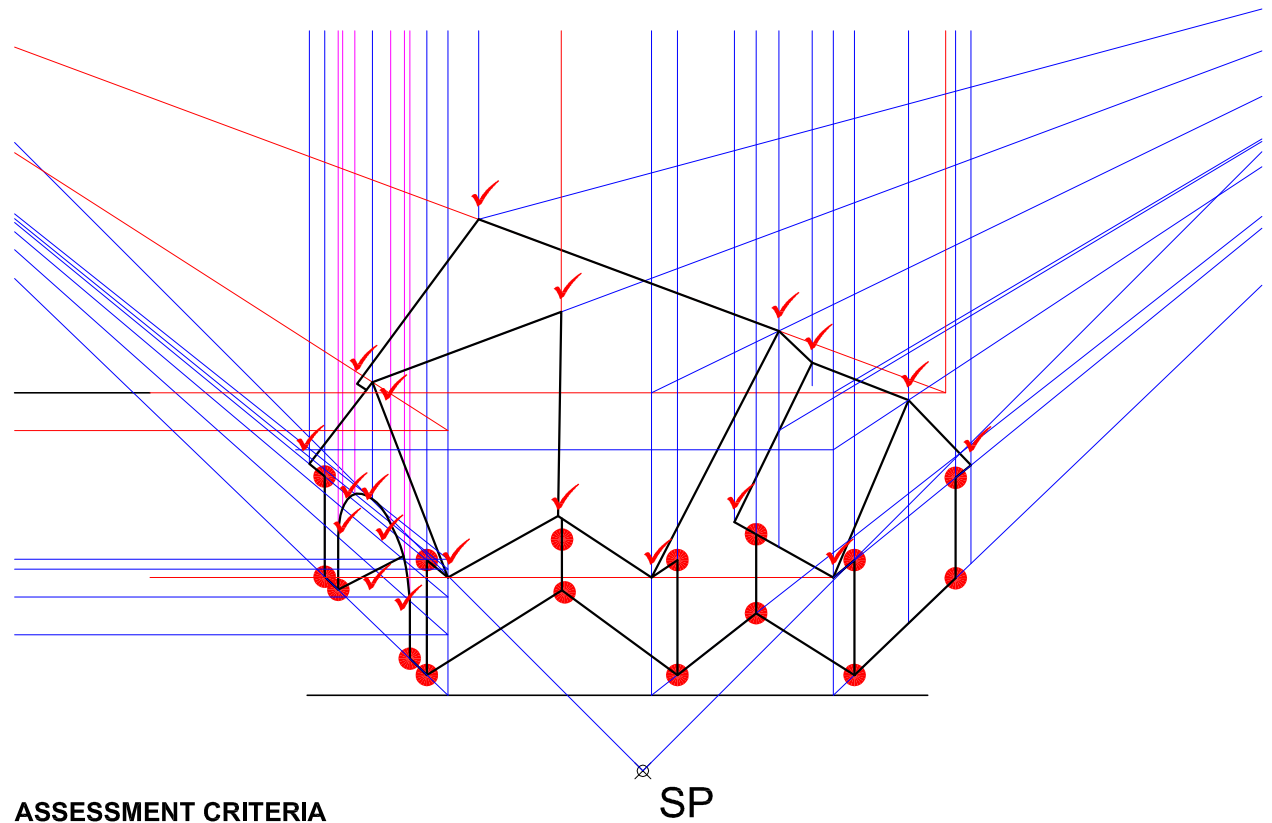
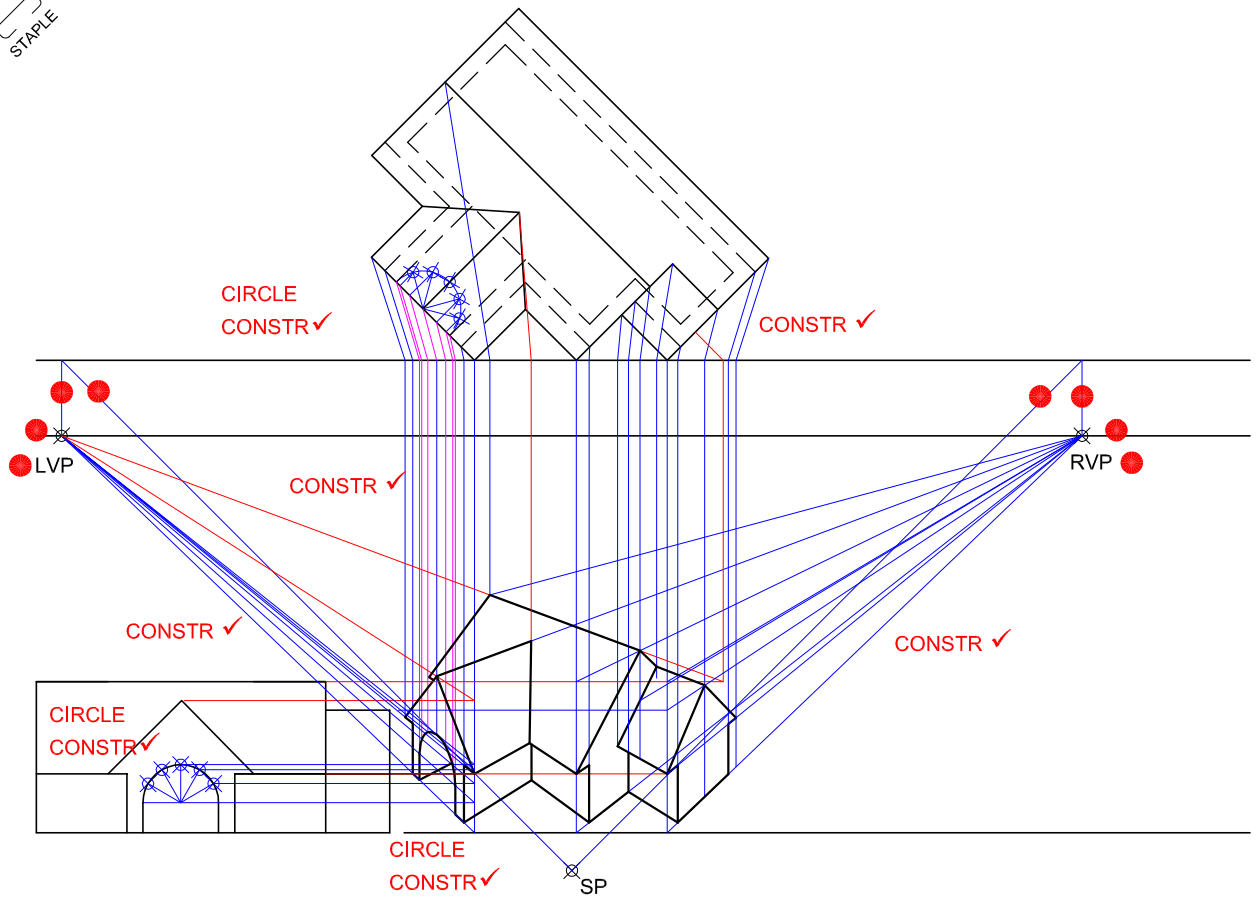
MEMORANDUM



ANSWERS

1	2	1
2	ERF 9	1
3	1:250	1
4	19-02-2009	1
5	PAVING	1
6	6TH AVENUE	1
7	GREEN BELT	1
8	2500m	1
9	5	1
10	CORNER HEIGHT	1
11	BOUNDARY LINE	1
12	PROPOSED NEW OUT-BUILDING	1
13	SEWER LINE	1
14	MAN HOLE	1
15	NORTH POINT / TRUE NORTH	1
16	2m	2
17	56,607	2
18	NORTHWEST ELEVATION	2
19	117, 607 m	3
20	889,875 m ²	3

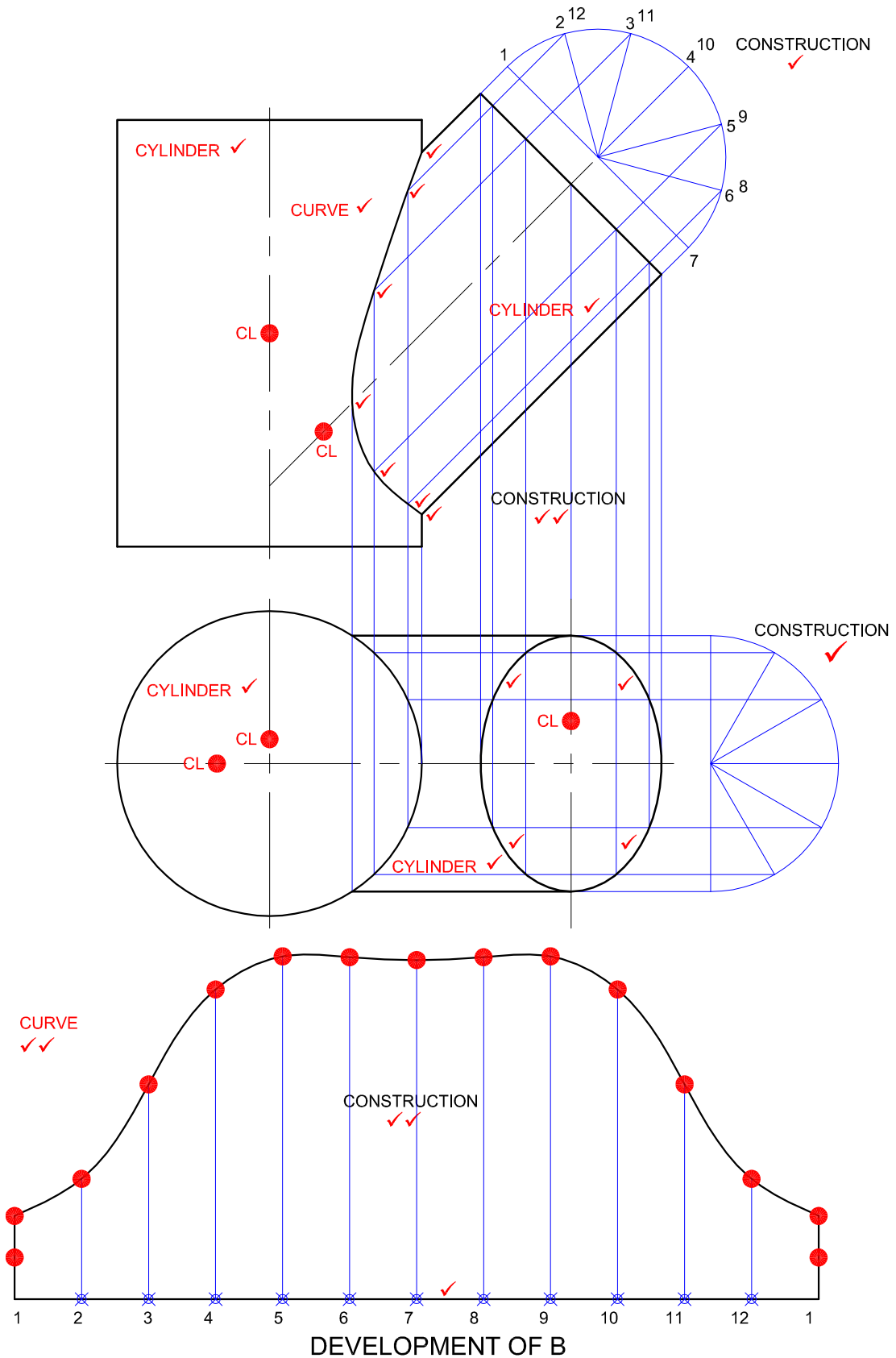
TOTAL 27



ASSESSMENT CRITERIA

CONSTRUCTION	4
FIND AND LABEL VP's	4
CIRCLE + CONSTRUCTION	8
ROOF	14
WALLS, DOOR	9
TOTAL	39

PAPER 1 QUESTION 3
 GRADE 12
 FEBRUARY/MARCH 2009
 MEMORANDUM



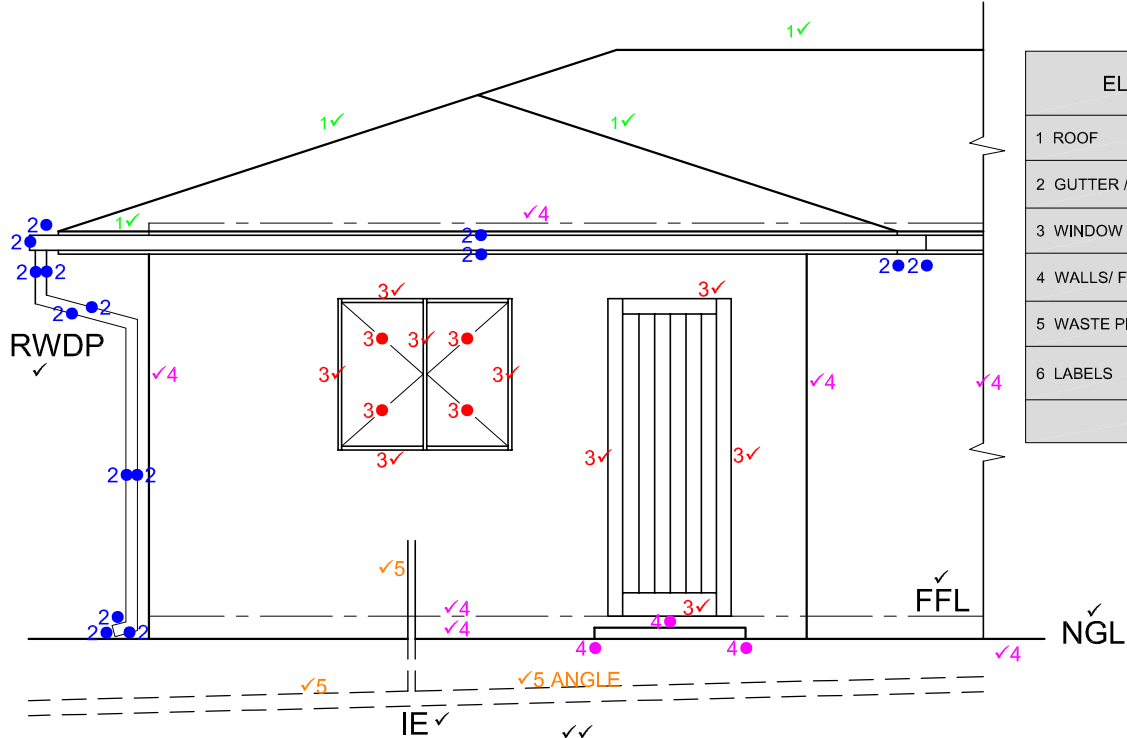
DEVELOPMENT OF B

ASSESSMENT CRITERIA

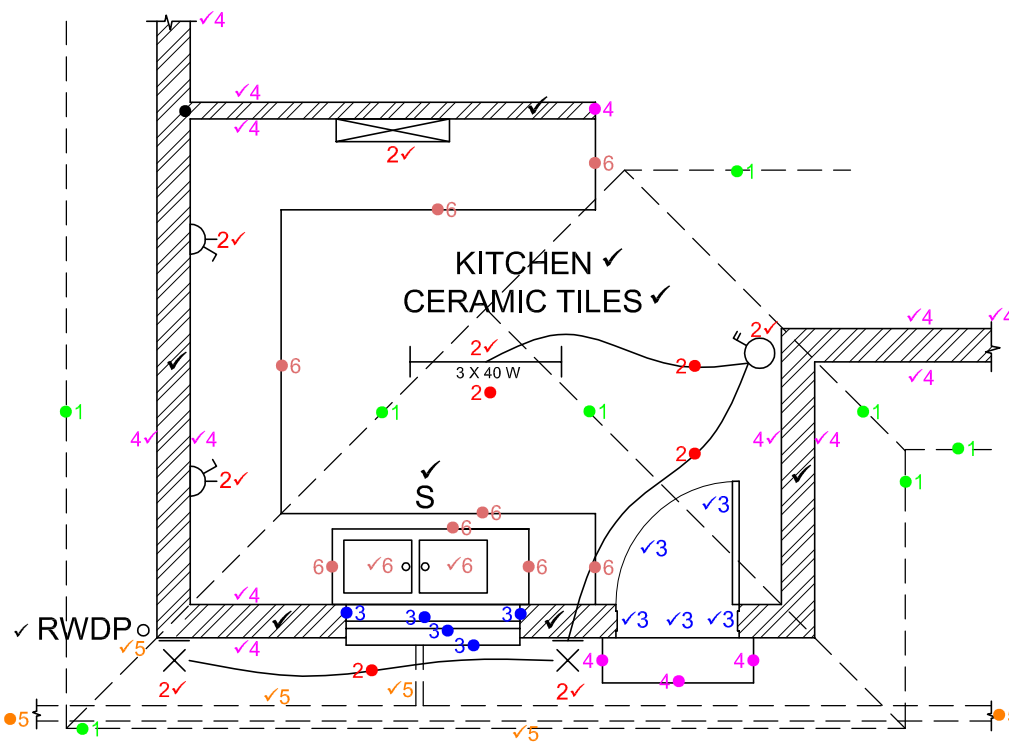
FRONT VIEW	10
TOP VIEW	6
CENTRE LINES (5x1/2)	2 1/2
CONSTRUCTION	6
FORMULA	2
DEVELOPMENT	10 1/2
TOTAL	37

$\pi \times D$	✓
$\pi \times 42$	
132 (131.94)	✓

PAPER 1 QUESTION 2
 GRADE 12
 FEBRUARY/MARCH 2009
 MEMORANDUM



ELEVATION	
1 ROOF	4
2 GUTTER / FACSIA	7½
3 WINDOW / DOOR	11
4 WALLS/ FFL / STEP	8½
5 WASTE PIPES	3
6 LABELS	6
	40



PLAN	
1 ROOF	4
2 ELECTRICAL	9
3 WINDOW / DOOR	7½
4 WALLS / STEP	14
5 WASTE PIPES / RWDP	5
6 SINK / WORK AREA	6
HATCHING	½
LABELS	6
	57
TOTAL	97

PLAN ✓
SCALE 1:50 ✓

PAPER 1 QUESTION 4
GRADE 12
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