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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 2011

MEMORANDUM

MARKS: 100

This memorandum consists of 5 pages.



ANSWERS

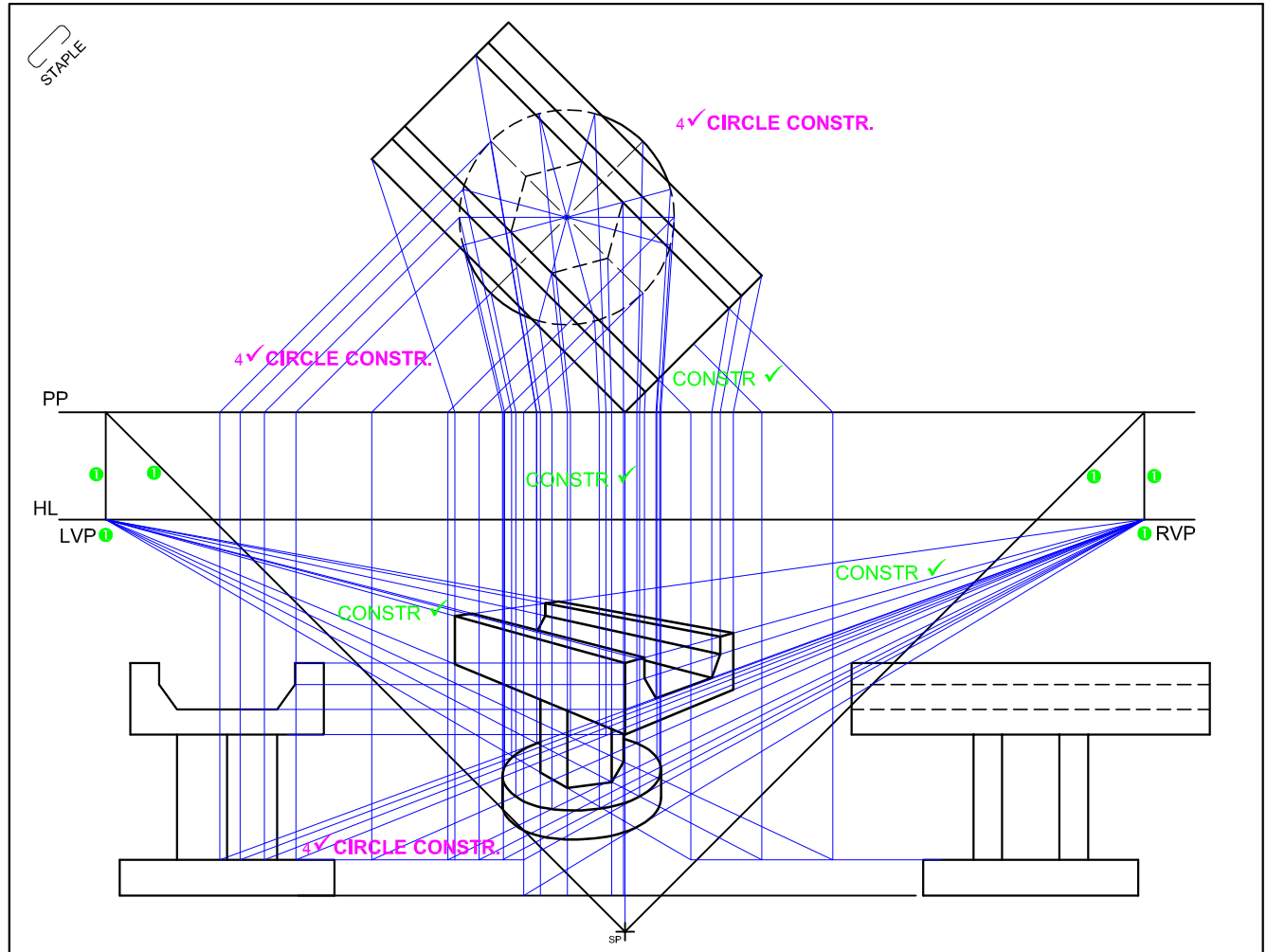
1	THE OUTBUILDING IS OUTSIDE THE BUILDING LINE OR THE OUTBUILDING ROOF IS OVER THE BOUNDARY LINE.	2
2	79	1
3	1	1
4	SCALE 1 : 200	1
5	12-04-2010	1
6	KAYSERS BEACH	1
7	MARLIN DRIVE	1
8	2	1
9	14	1
10	INSPECTION EYE	1
11	MANHOLE	1
12	BUILDING LINE	1
13	MUNICIPAL SEWER LINE	1
14	CONTOUR LINE	1
15	ROOF OVERHANG	1
16	BOUNDARY LINE	1
17	ISLAND IN THE ROAD	1
18	0.5 m	1
19	SOUTH	1
20	$37.806 + 24.200 + 10.615 + 30.300 + 31.706 = 134.627 \text{ m}$	$2\frac{1}{2}$
21	$37.806 \times 31.706 = 1198.67704$ $37.806 - 30.3 = 7.506$ $7.506 \times 7.506 = 56.340036$ $56.340036 / 2 = 28.170018$ $1198.67704 - 28.170018 = 1170.5 \text{ m}^2$	$4\frac{1}{2}$

TOTAL: 27

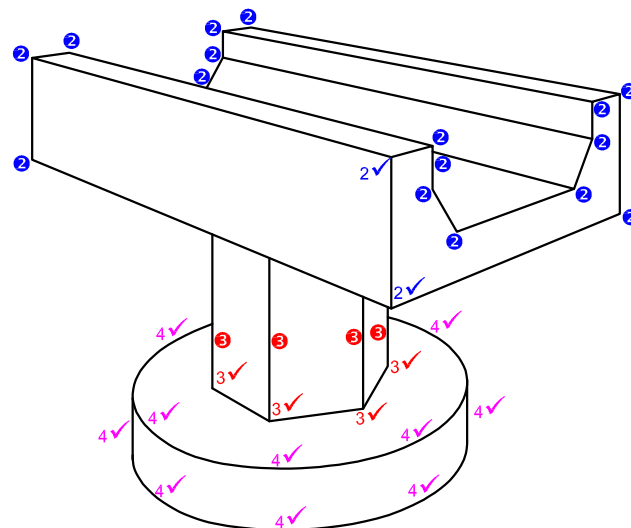
STAPLE

ASSESSMENT CRITERIA	
1. GIVEN + CENTRE LINES	8
2. AUX. CIRCLES	4
3. PROJECTION	4
4. INTERPENETRATION	5½
5. TOP VIEW OF CYLINDER	7
6. DEVELOPMENT	11½
TOTAL	40

PAPER 1 QUESTION 2
GRADE 12
FEBRUARY/MARCH 2011
MEMORANDUM



HL

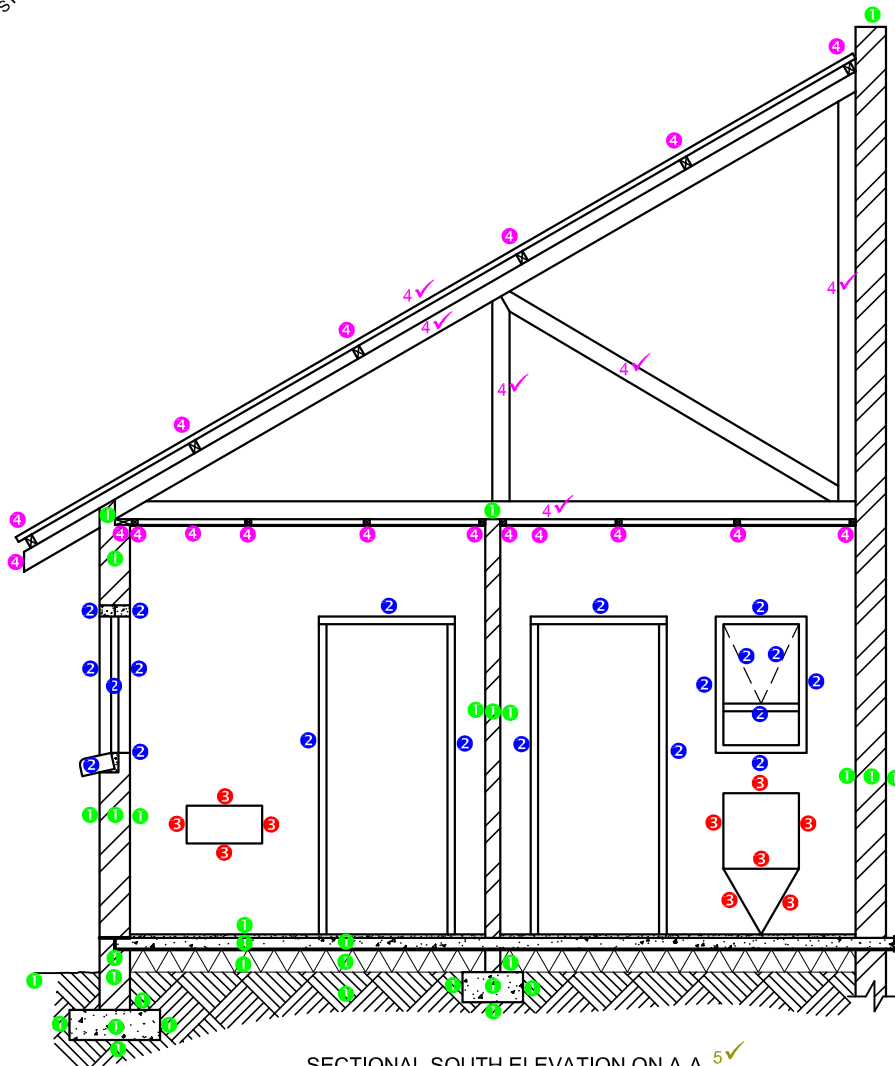


GL

SP

ASSESSMENT CRITERIA	
1. CONSTRUCTION + VPs	7
2. ROAD	10
3. HEXAGONAL PILLAR	6
4. ROUND BASE	13
TOTAL	36

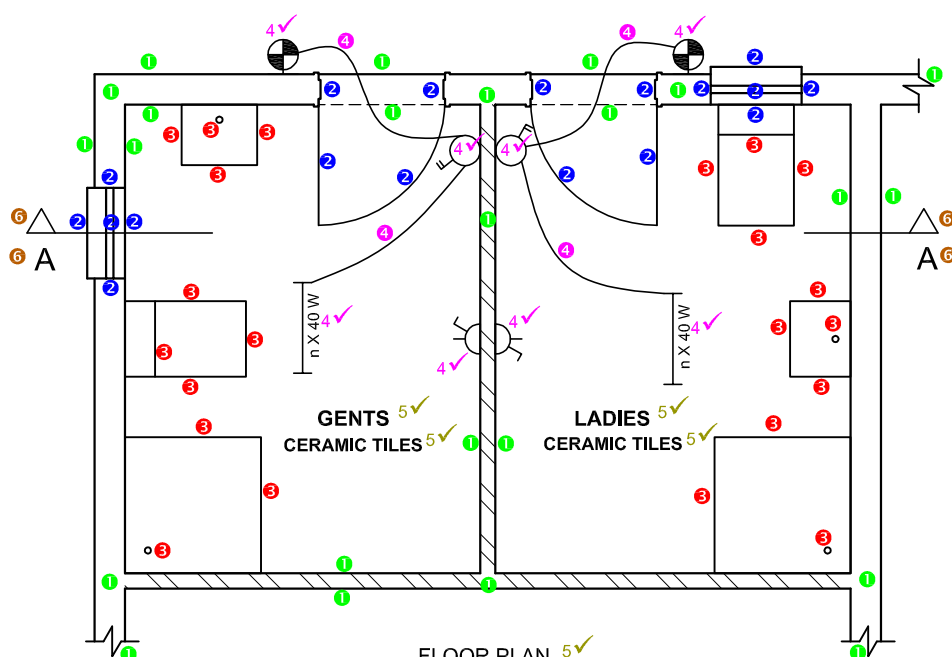
PAPER 1 QUESTION 3
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 STAPLE


SECTIONAL SOUTH ELEVATION ON A-A 5✓

SECTIONAL SOUTH ELEVATION

1. WALLS + HATCHING	16
2. WINDOWS + DOORS	10
3. FIXTURES	5
4. ROOF + CEILING	15
5. LABELS	1
SUBTOTAL	47

FLOOR PLAN 5✓
SCALE 1 : 50 5✓
PLAN

1. WALLS + HATCHING	12
2. WINDOWS + DOORS	9
3. FIXTURES	11
4. ELECTRIC	10
5. LABELS	6
6. CUTTING PLANE A-A	2
SUBTOTAL	50
TOTAL	97

PAPER 1 QUESTION 4
GRADE 12
FEBRUARY/MARCH 2011
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