

ENGINEERING GRAPHICS AND DESIGN

INGENIEURSGRAFIKA EN -ONTWERP

PAPER 1

VRAESTEL 1

MEMORANDUM


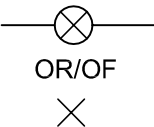

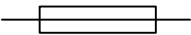





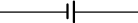
GR 11

NOVEMBER 2012

This memorandum consists of 5 pages.

Hierdie memorandum bestaan uit 5 bladsye.

QUESTION 1.1 / VRAAG 1.1

Name Naam	Component Komponent	Symbol Simbool
1) BULB GLOEILAMP		 OR/OF X (1)
2) FUSE SEKERING		 (1)
3) SWITCH SKAKELAAR		 (1)
4) MOTOR		 (1)
5) CELL SEL		 (1)

QUESTION 1.2 / VRAAG 1.2**[5]**

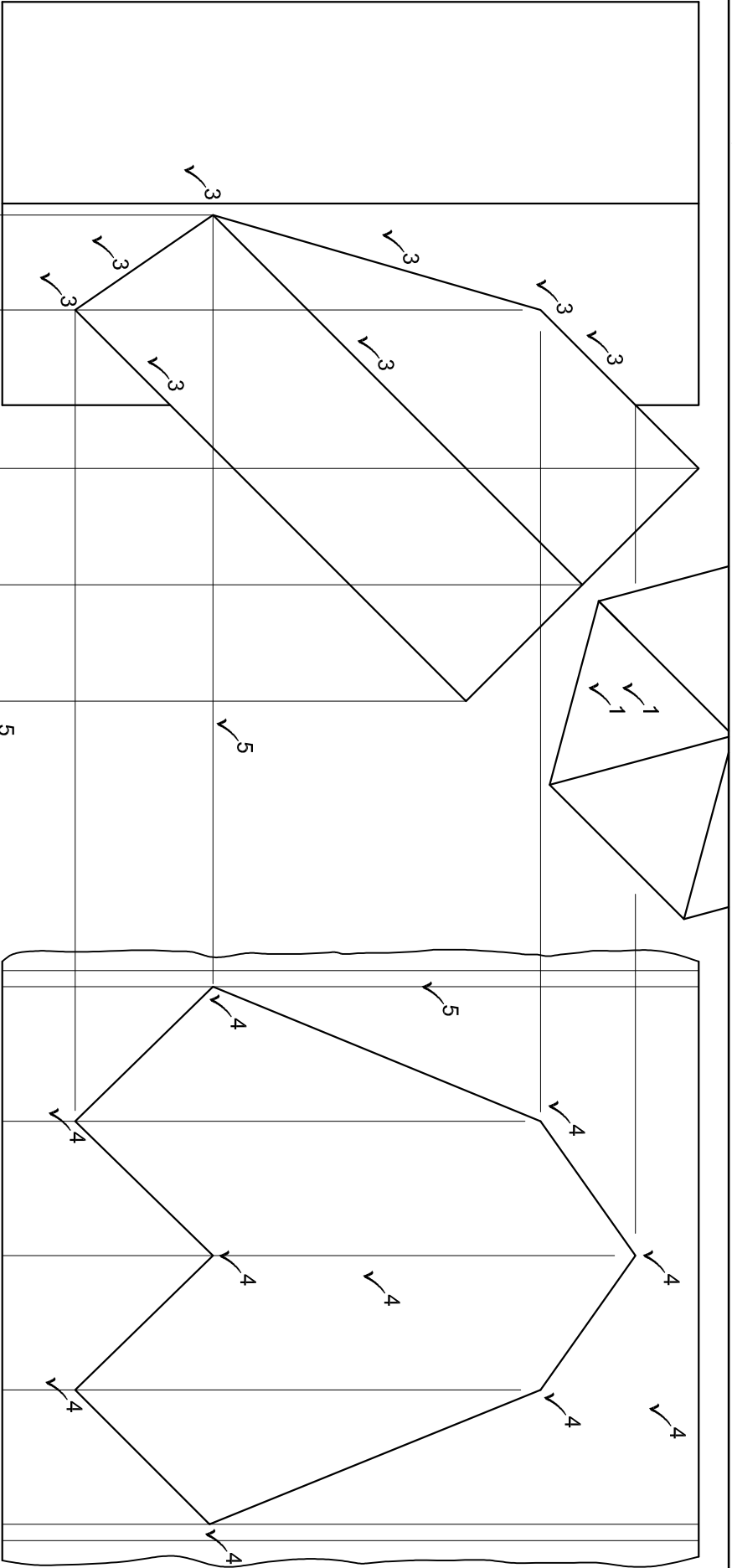
AREA	LOUNGE / SITKAMER = $3760 \times 2960 = 11,1296 \text{ m}^2$
	KITCHEN / KOMBUIS = $2320 \times 2640 = 6,1248 \text{ m}^2$
	LOUNGE + KITCHEN / SITKAMER + KOMBUIS = $11,1296 + 6,1248$
	ANSWER / ANTWOORD = $17,2544 \text{ m}^2$ (3)
PERIMETER OMTREK	(LENGTH x 2) + (BREADTH x 2) / (LENGTE x 2) + (BREEDTE x 2) = $(6400 \times 2) + (5600 \times 2)$
	ANSWER / ANTWOORD = 24 m (2)

[5]**QUESTION 1.3 / VRAAG 1.3**

SECTION TYPE SNIT TIPE		ANSWERS ANTWOORDE	
1	CONCRETE BETON	A	1
2	FACE BRICK SIERSTEEN	D	1
3	COMPACTED HARDCORE HARDEPYN	E	1
4	SCREED GIDSPLEISTER	F	1
5	UNDISTURBED EARTH ONVERSTOORDE GROND	G	1

[5]PAPER 1 QUESTION 1
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GR 11 NOVEMBER 2012TOTAL
TOTAAL **[15]****MEMORANDUM**

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ASSESSERINGSKRITERIA	
1 Hulp aansig	2
2 Voltooië bo aansig	5
3 Deurdringingskromme (8 x ½)	4
4 Ontwikkeling (10 x ½)	5
5 Konstruksies	3
TOTAL	19

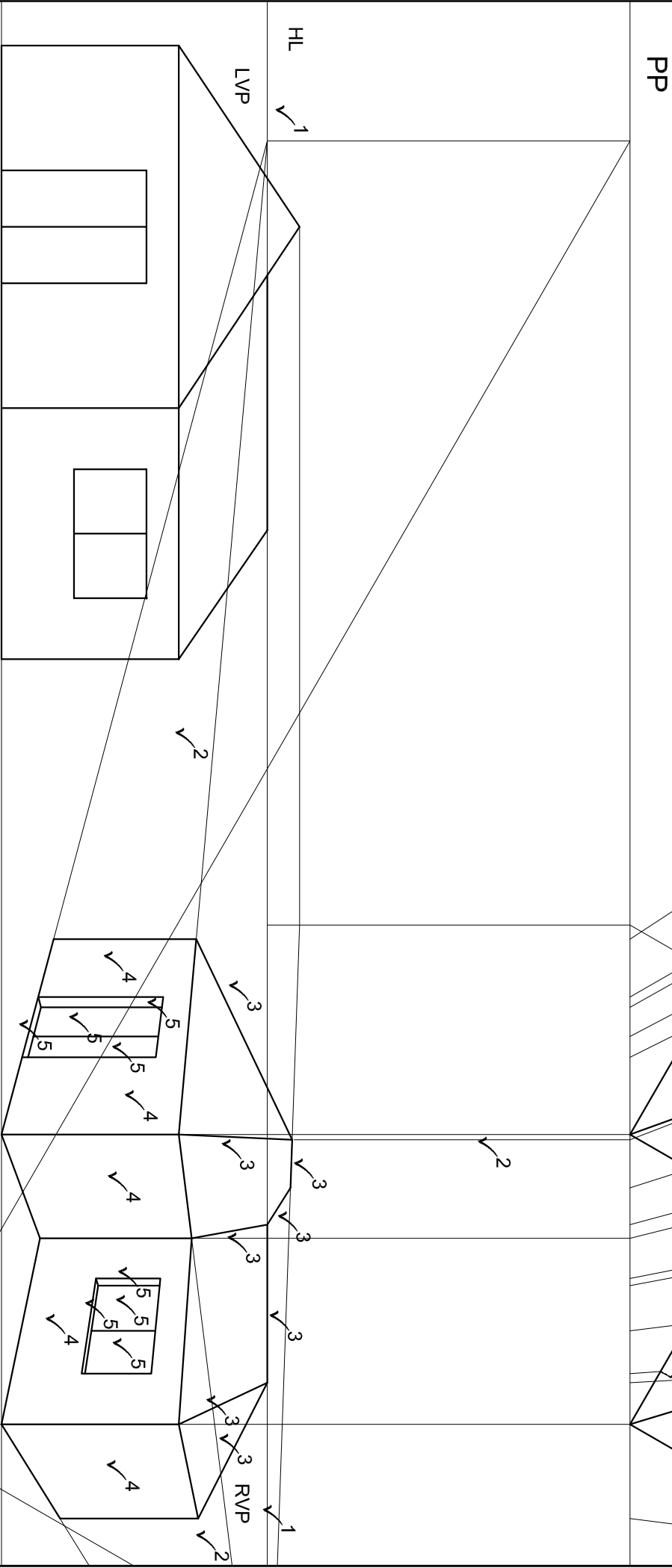
ASSESSMENT CRITERIA	
1 Auxiliary view	2
2 Completed top view	5
3 Interpenetration curve (8 x ½)	4
4 Development (10 x ½)	5
5 Constructions	3
TOTAL	19

VRAESTEL 1 VRAAG 2
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PAPER 1 QUESTION 2
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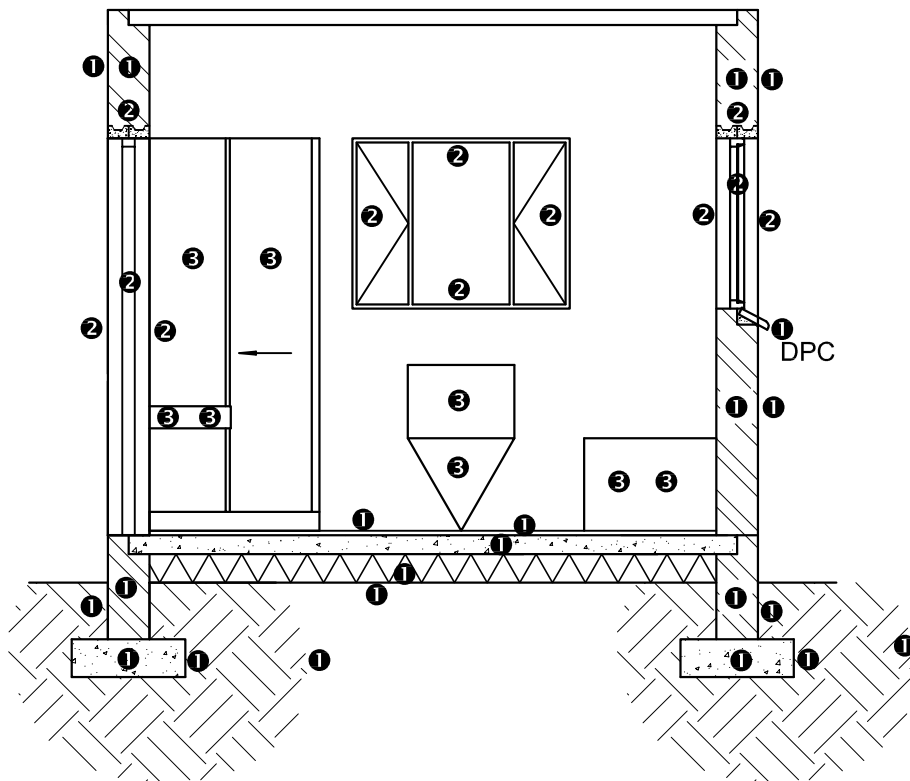
MEMORANDUM

ASSESSERINGSKRITERIA				ASSESSMENT CRITERIA			
1	Verdwynpunte	2		1	Vanishing points	2	
2	Konstruksies	3		2	Constructions	3	
3	Dak	8		3	Roof	8	
4	Mure	5		4	Walls	5	
5	Deur en venster	8		5	Door and window	8	
TOTAL		26		TOTAL		26	



VRAESTEL 1 VRAAG 4
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PAPER 1 QUESTION 4
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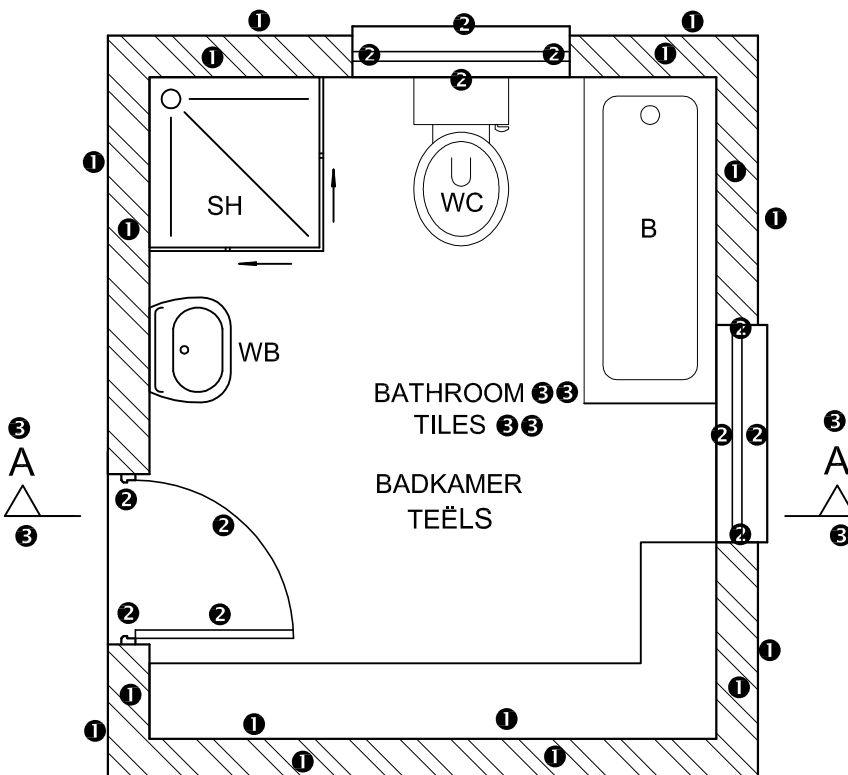


SECTIONAL ELEVATION A-A

NB / LW

SNITAANSIG A-A 4 4

$$\bullet = \frac{1}{2}$$



VLOERPLAN

1 MURE EN ARSERINGSBESONDERHEDE	8
2 DOOR AND WINDOW	6
3 BYSKRIFTE & SNIT	4
SUBTOTAAL	18

SNITAANSIG

1 MURE, FONDASIE & ARSERING	11
2 VENSTERS, DEUR EN LATEIE	6
3 BADKAMER TOEBEHORE	4
4 BYSKRIFTE	1
SUBTOTAAL	22
TOTAAL	40

FLOOR PLAN

1 WALLS AND HATCHING DETAIL	8
2 DOOR AND WINDOWS	6
3 LABELS AND CUTTING PLANE	4
SUBTOTAL	18

SECTIONAL ELEVATION

1 WALLS, FOUNDATION & HATCHING	11
2 WINDOWS, DOORS & LINTELS	6
3 BATHROOM FIXTURES	4
4 LABELS	1
SUBTOTAL	22
TOTAL	40