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basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

NASIONALE SENIOR SERTIFIKAAT

GRAAD 12

INGENIEURSGRAFIKA EN -ONTWERP V1

NOVEMBER 2012

MEMORANDUM

PUNTE: 100

Hierdie memorandum bestaan uit 7 bladsye.

ANTWOORDE

1	DESIGN FOR LIVING ARCHITECTS	1
2	LEBO	1
3	18/10/2012	1
4	DBE-2012-01	1
5	BEVESTIG ALLE AFMETINGS EN HOOGTES	1
6	1,8 m of 1 800 mm	1
7	1	1
8	16	1
9	OP (TRAP)	1
10	SEPTIESE TENK	1
11	RIOOLPYP/-LYN	1
12	ASFALT	1
13	RIGTING VAN OPENING VAN HEK	2
14	ONTSPANNINGSONTWIKKELING	2
15	128,55 m	2
16	INSPEKSIEOOG	1
17	21 880 mm	2
18	437,853 m [berekening 1, antwoord 1, meter 1]	3
19	1 214 m ² [berekening 1, antwoord 1, meter ² 1]	3
20		3

TOTAAL: 30

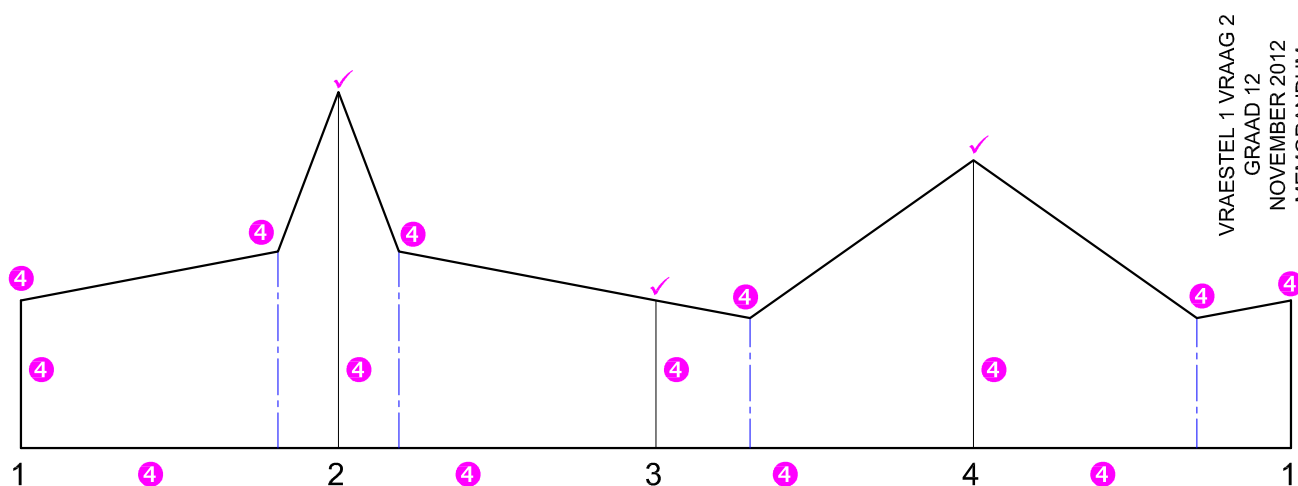
20

VRYHAND ✓

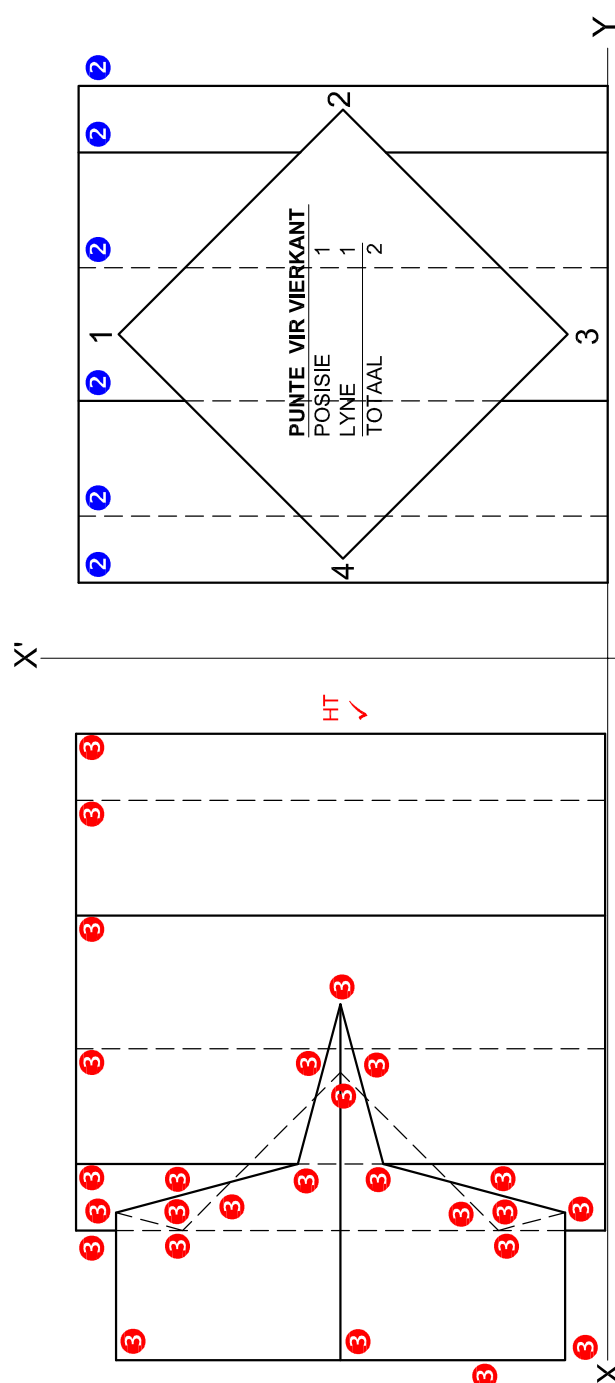
✓

o

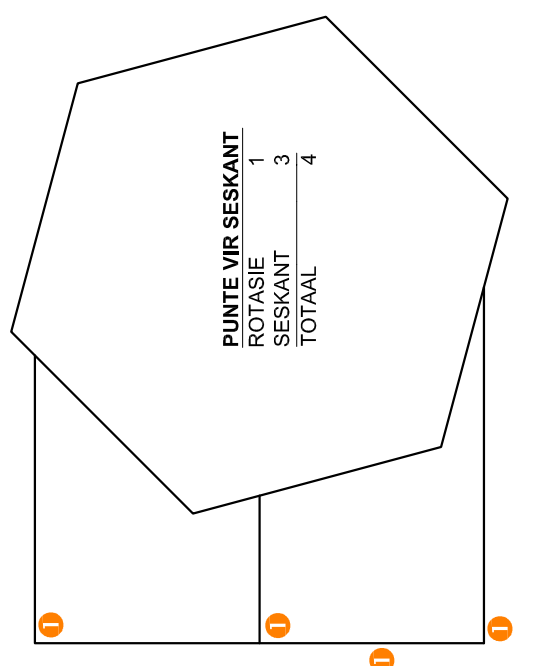
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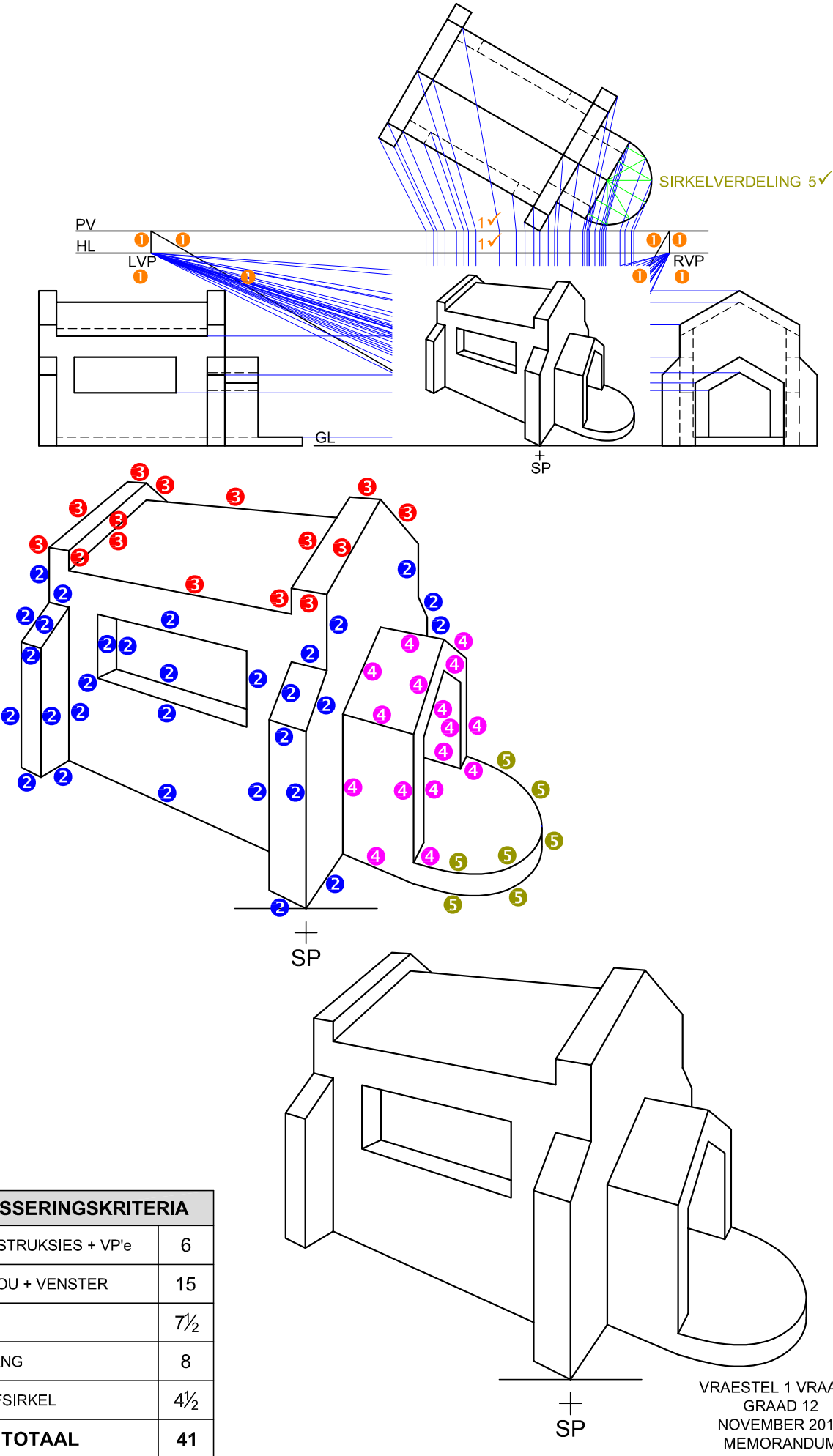


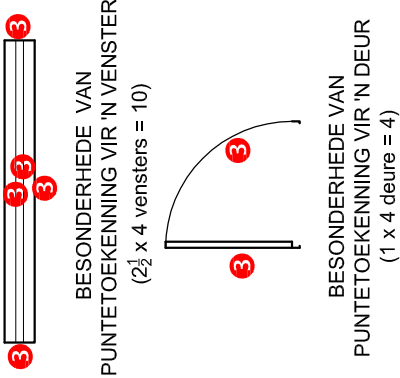
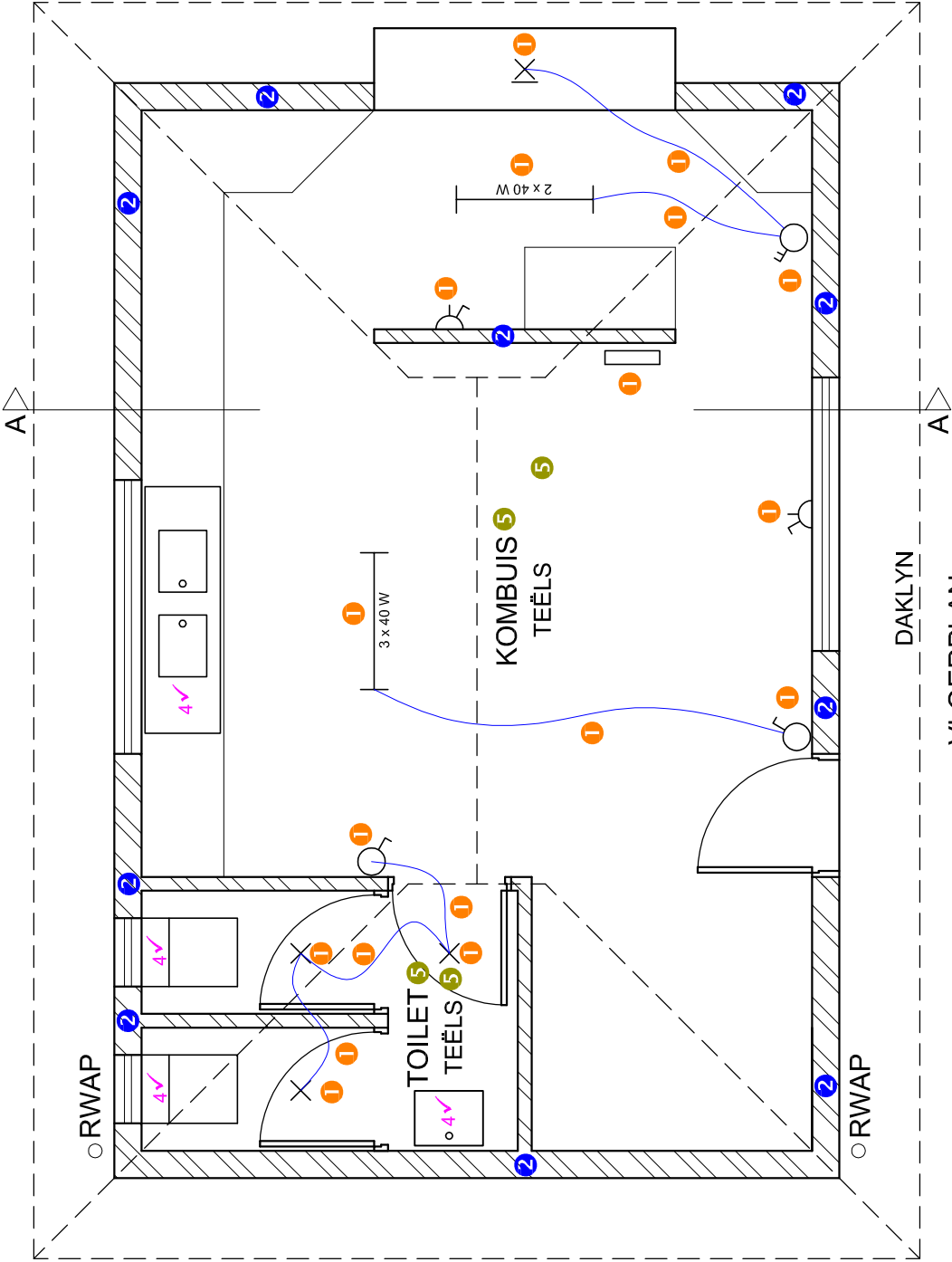
VRAESTEL 1 VRAAG 2
GRAAD 12
NOVEMBER 2012
MEMORANDUM



ASSESSERINGSKRITERIA	
1	BOAANSIG 6
2	LINKERAANSIG 5
3	VOORAANSIG 14
4	ONTWIKKELING 10
TOTAAL 35	



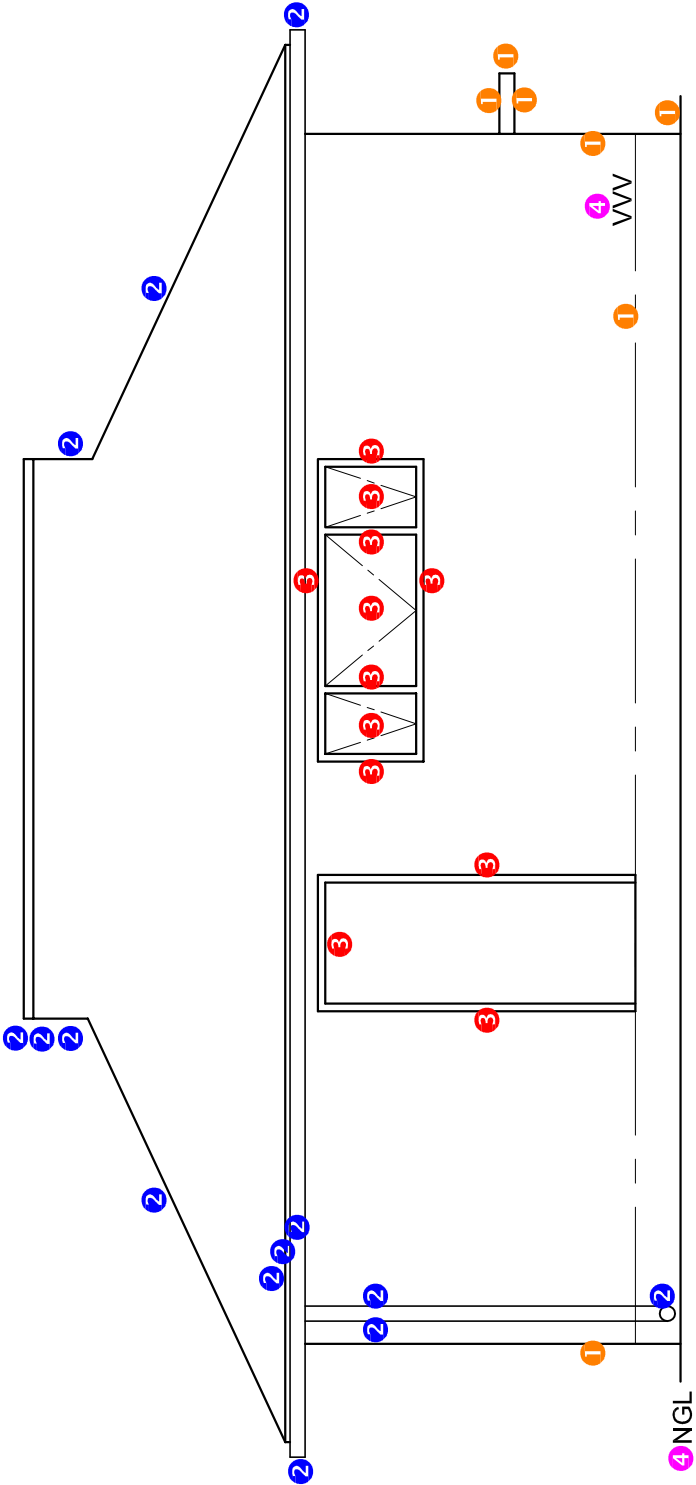




VLOERPLAN	
1	ELEKTRIES
2	ARSERING
3	DEURE + VENSTERS
4	TOEBEHORE
5	BYSKRIFTE
SUBTOTAAL	
9	5
14	4
2	34

DAKLYN
VLOERPLAN
SKAAL 1 : 50

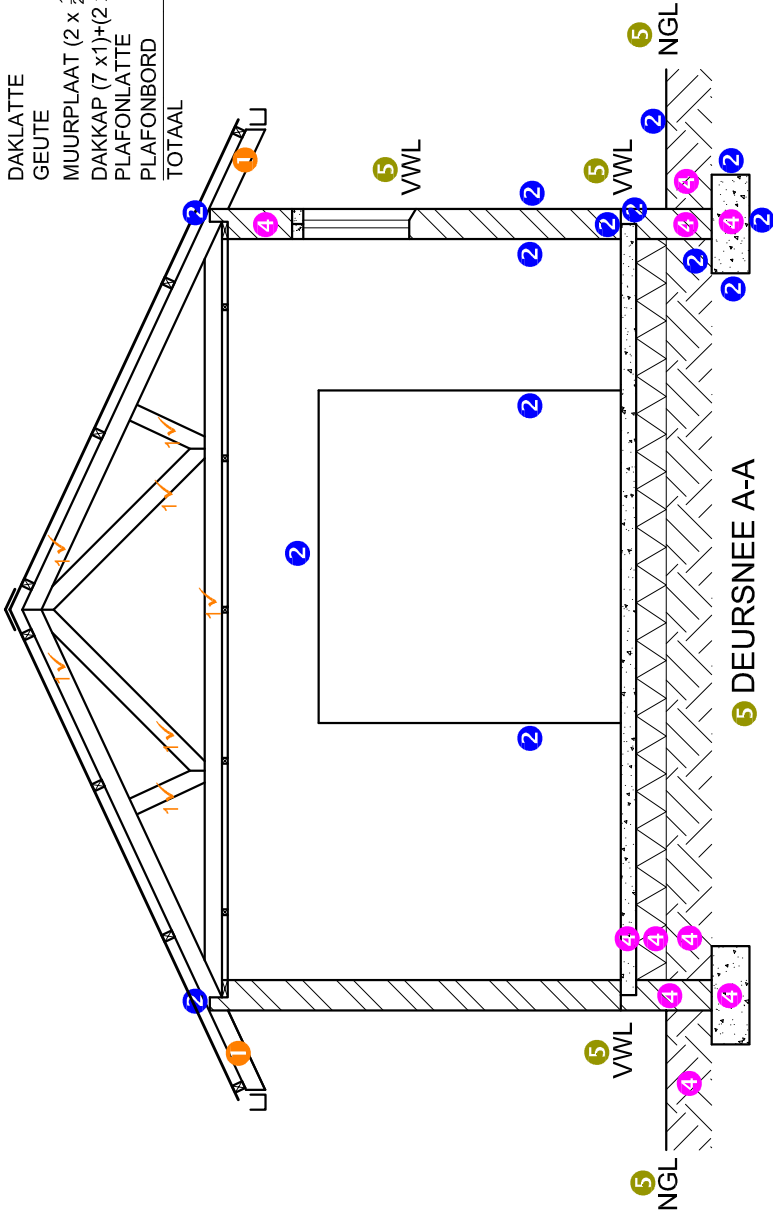
VRAESTEL 1 VRAAG 4
GRAAD 12
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MEMORANDUM



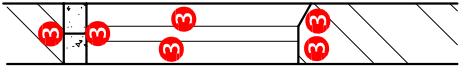
4 WESAANSIG

WESAANSIG	
1	MURE + WV+ DIENLUIK 3½
2	DAK + GEUT + RWAP 7
3	DEUR + VENSTER 6
4	BYSKRIFTE 1½
SUBTOTAAL 18	

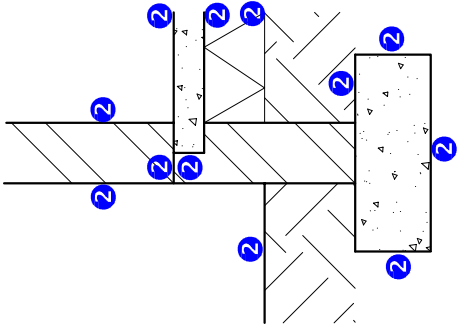
- PUNTETOEKENING**
- 1 DAKNOK
 - 2 DAKPLAAT
 - 2 DAKLATTE
 - 2 GEUTE
 - 1 MUURPLAAT (2 x ½)
 - 8 DAKKAP (7 x1)+(2 x ½)
 - 1 PLAFONLATTE
 - 1 PLAFONBORD
 - TOTAAL 18



BESONDERHEDE VAN
PUNTETOEKENING
VIR VENSTER



BESONDERHEDE
VANPUNTETOEKENING VIR
'N LASDRAENDE MUUR



DEURSNEEAANSIG		
1	DAK + PLAFON	18
2	MURE + VLOER + FONDASIE	13
3	VENSTER	3
4	ARSERING	5
5	BYSKRIFTE	3
SUBTOTAAL		42