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basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

**SENIOR SERTIFIKAAT/
NASIONALE SENIOR SERTIFIKAAT**

GRAAD 12

INGENIEURSGRAFIKA EN -ONTWERP V1

NOVEMBER 2020

NASIENRIGLYNE

PUNTE: 100

Hierdie nasienriglyne bestaan uit 8 bladsye.

ANTWOORDE		
1	422-2019	1
2	(MNR.) A BOBANI	1
3	2019-09-21	1
4	2	1
5	2	1
6	10810	1
7	INSPEKSIKAMER	1
8	1,8	1
9	SO	1
10	ROOI	1
11	BOULYN / BL	1
12	AARD / WEERLIGAFLEIER	1
13	DREINERINGSVELD	1
14	1 : 30	1
15	NOORDWES	2
16	4	2
17	14,89	2
18	Sien die titelpaneel	3
19		3
20		4
TOTAAL		30

ANTWOORD18

$$\begin{aligned} \text{Omtrek} &= (59,50 + 23,45 + 61,15 + 37,5) \cdot 3,5 \\ &= 178,10 \checkmark \text{m} \checkmark \end{aligned}$$

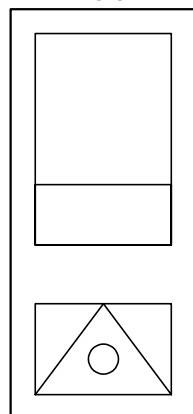
✓ = FORMULE

ANTWOORD 19

$$\begin{aligned} \text{Oppervlakte} &= (10 \times 6) + (5,55 \times 8,14) + (2,5 \times 3,75) \\ &= 114,55 \checkmark \text{m}^2 \checkmark \end{aligned}$$

✓ = FORMULE

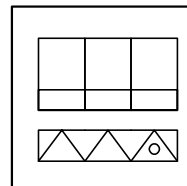
ANTWOORD 20



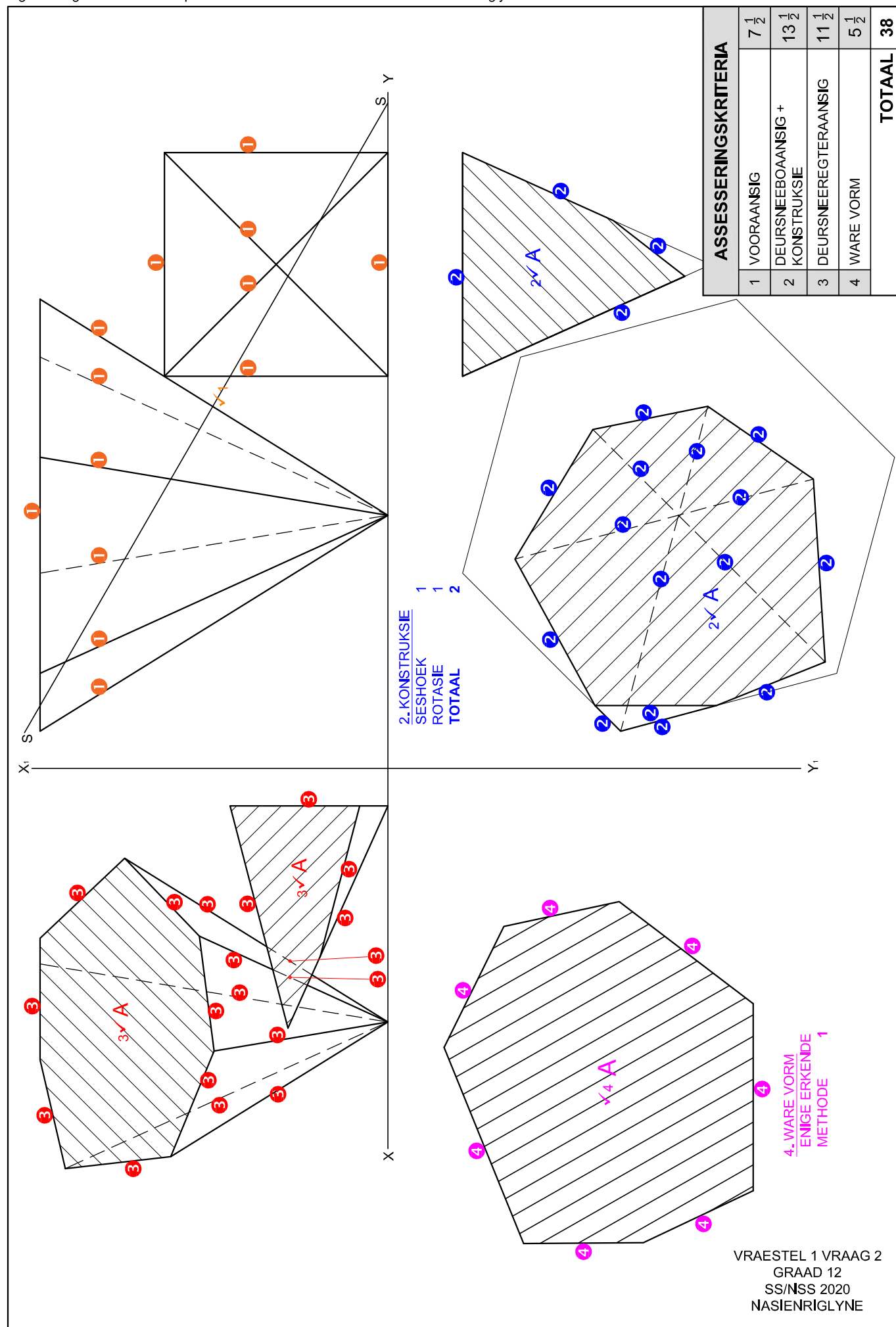
REGHOEK 1
LYN 0,5
VRYHAND 0,5

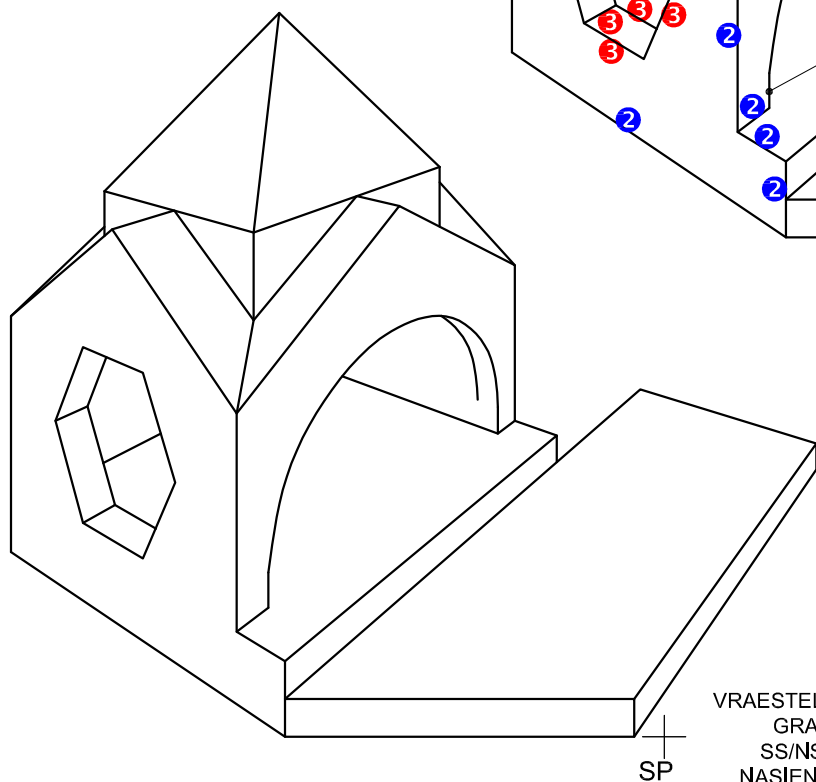
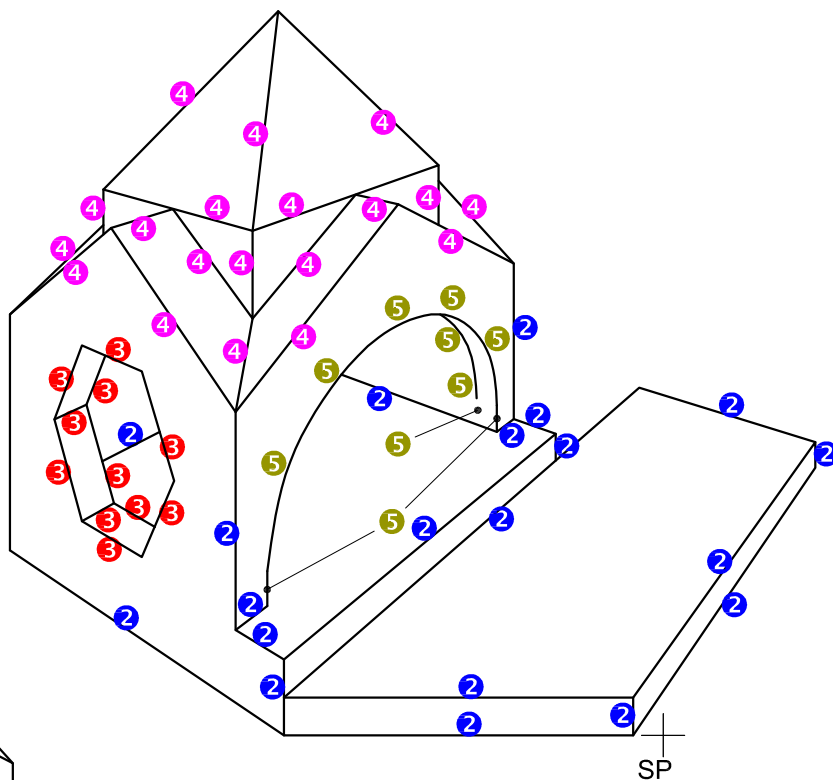
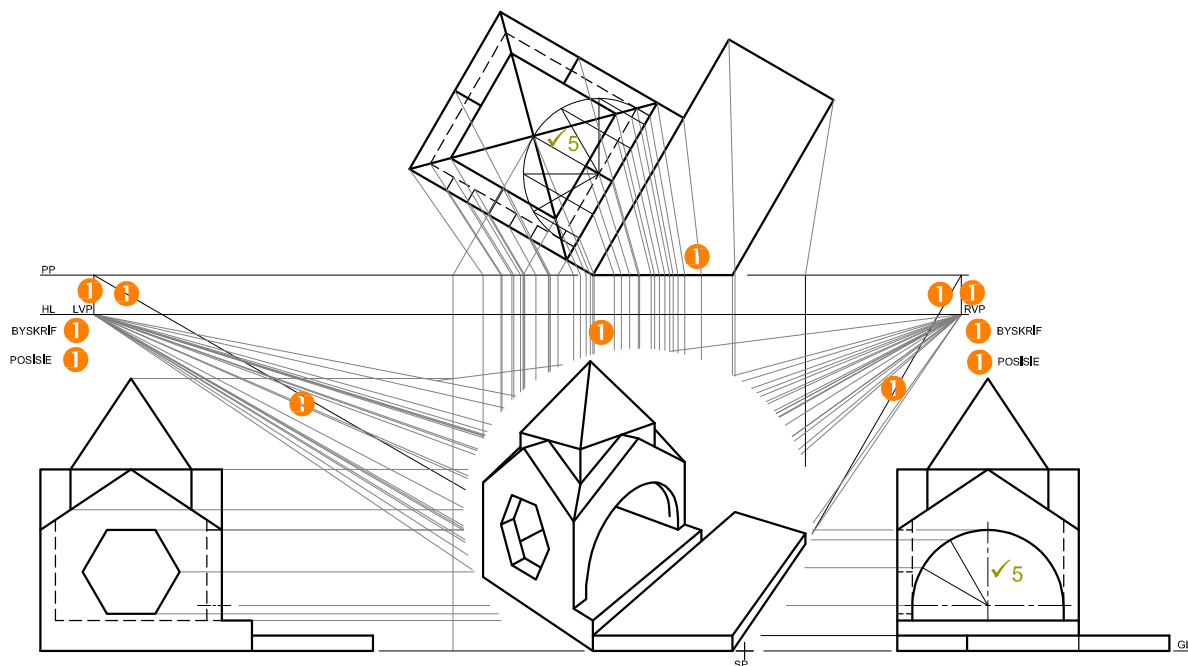
REGHOEK 1
DRIEHOEK 0,5
GAT 0,5

SANS 10143



VRAESTEL 1 VRAAG 1
GRAAD 12
SS/NSS 2020
NASIENRIGLYNE

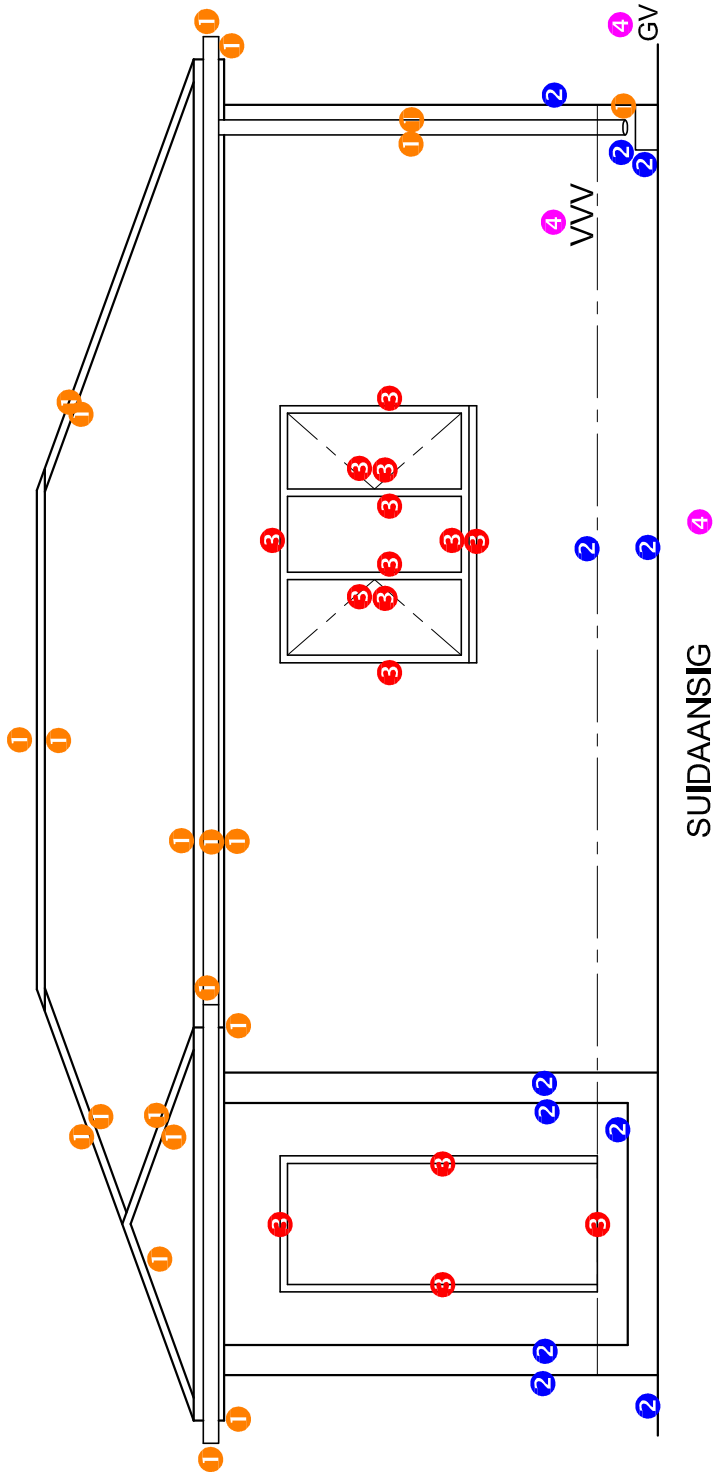




VRAESTEL 1 VRAAG 3
GRAAD 12
SS/NSS 2020
NASIENRIGLYNE

ASSESSERINGSKRITERIA

1	KONSTRUKSIE	6
2	MURE	10 $\frac{1}{2}$
3	SESHOEKIGE OPENING	5 $\frac{1}{2}$
4	DAK	9 $\frac{1}{2}$
5	BOOG	6 $\frac{1}{2}$
PENALISERING (-)		
TOTAAL		38



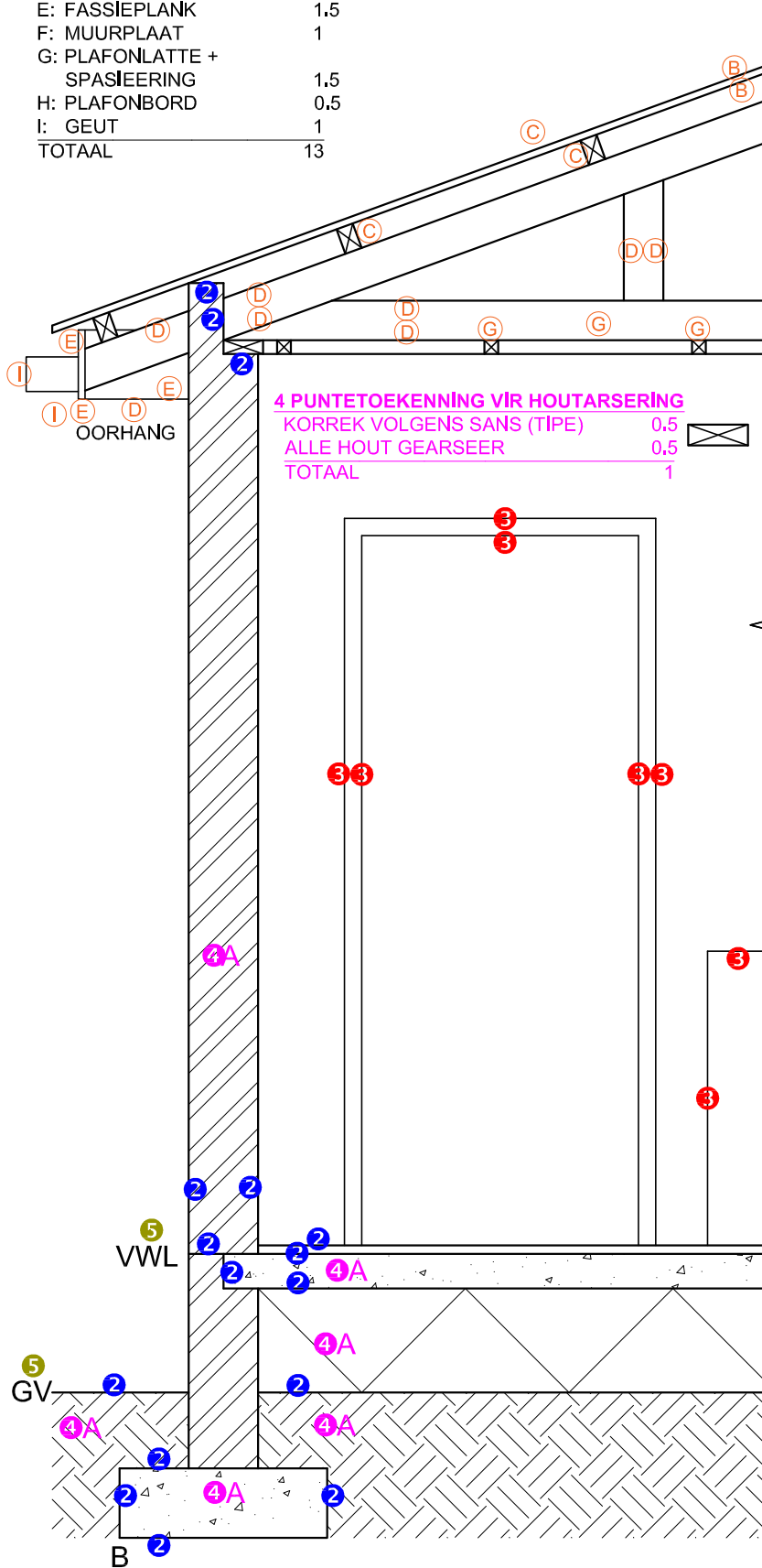
SUIDAANSIG

ASSESSERINGS- KRITERIA		
SUIDAANSIG		
1	DAK + RWAP	10½
2	MURE + VVV	5½
3	DEUR + VENSTER	7½
4	BYSKRIFTE	1½
SUBTOTAAL		25

VRAESTEL 1 VRAAG 4
GRAAD 12
SS/NSS 2020
NASIENRIGLYNE

PUNTTOEKENNING VIR DAK (1)

A: DAKHOEK	1
B: DAKPLAAT	1
C: DAKLAT + SPASIERING	1.5
D: DAKBALK + OORHANG	4
E: FASSIEPLANK	1.5
F: MUURPLAAT	1
G: PLAFONLATTE + SPASIEERING	1.5
H: PLAFONBORD	0.5
I: GEUT	1
TOTAAL	13



4 PUNTTOEKENNING VIR HOUTARSERING	
KORREK VOLGENS SANS (TIPE)	0.5
ALLE HOUT GEARSEER	0.5
TOTAAL	1

GEDETAILEERDE SNIT A-A
SKAAL 1 : 20

VRAESTEL 1 VRAAG 4
GRAAD 12
SS/NSS 2020
NASIENRIGLYNE

**ASSESSERINGS-
KRITERIA****GEDETAILEERDE
SNIT**

1	DAKBESONDERHEDE	13
2	MUUR	8
3	DEUR + KAS	4
4	ARSERING	4
5	BYSKRIFTE	1
SUBTOTAAL		30