

**ISEBE LEMFUNDO LEMPUMA KOLONI
EASTERN CAPE EDUCATION DEPARTMENT
OOS-KAAP ONDERWYSDEPARTEMENT**

**NASIONALE
SENIOR SERTIFIKAAT**

GRAAD 12

INGENIEURSGRAFIKA EN -ONTWERP V2

SEPTEMBER 2015

MEMORANDUM

PUNTE: 200

TYD: 3 uur

Die memorandum bestaan uit 6 bladsye.

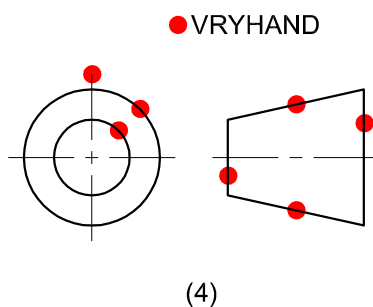
Kopiereg voorbehou

ANTWOORDE		
1	30/07/14	1
2	CENTAUR	1
3	CAD	1
4	3	1
5	0.25	1
6	1:2	1
7	6	1
8	S-BREEK	1
9	BLINDE GETAPTE GAT	1
10	WEB / RIB	1
11	HALF DEURSNEE	1
12	A) 104 ✓ B) Ø42 ✓ C) 14,4 ✓✓	4
13	SETSKROEF	1
14	1	1
15		3
16		4
17		3
	TOTAAL	27

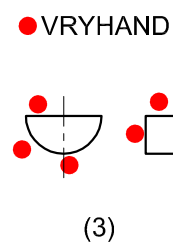
ANTWOORD 15



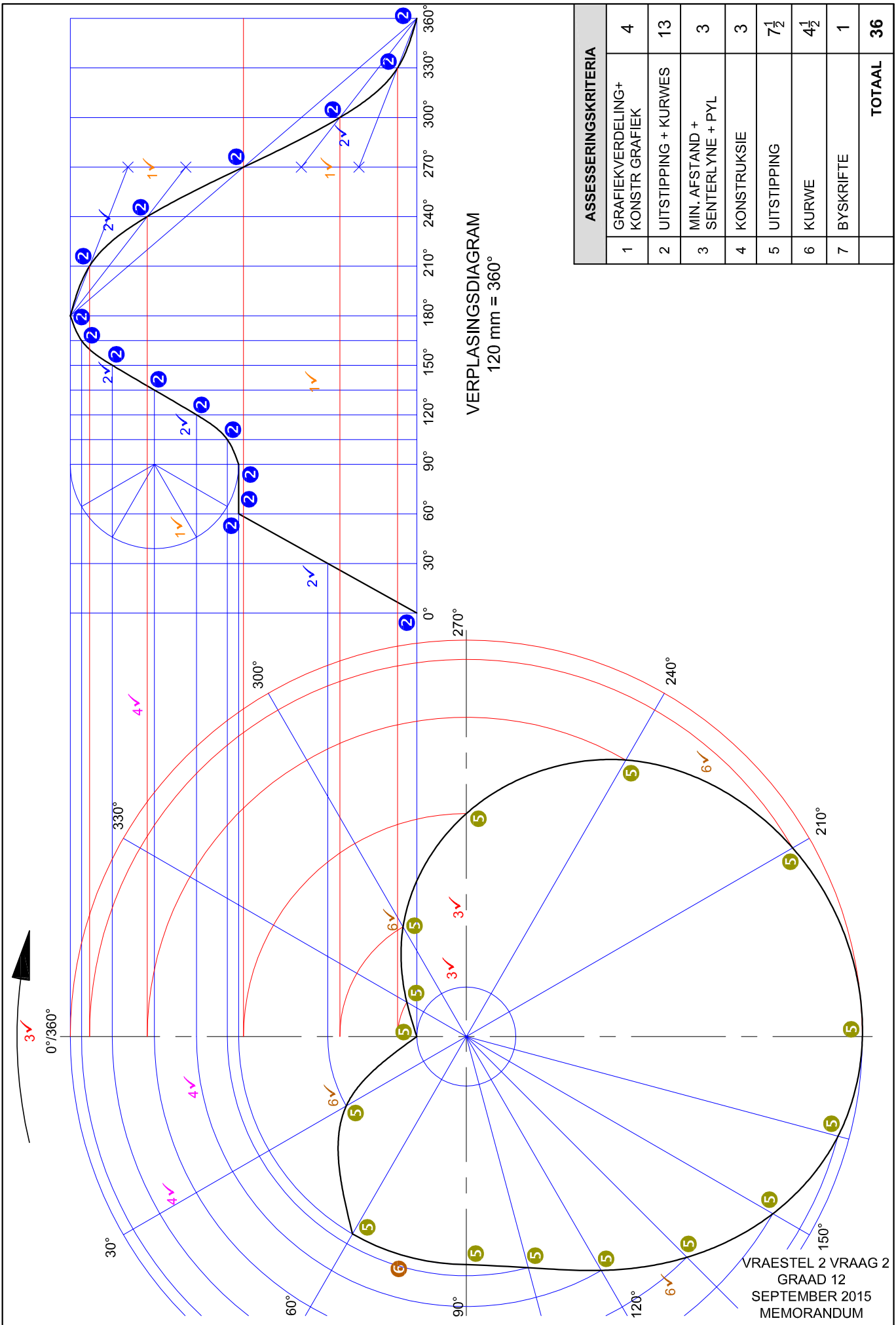
ANTWOORD 16



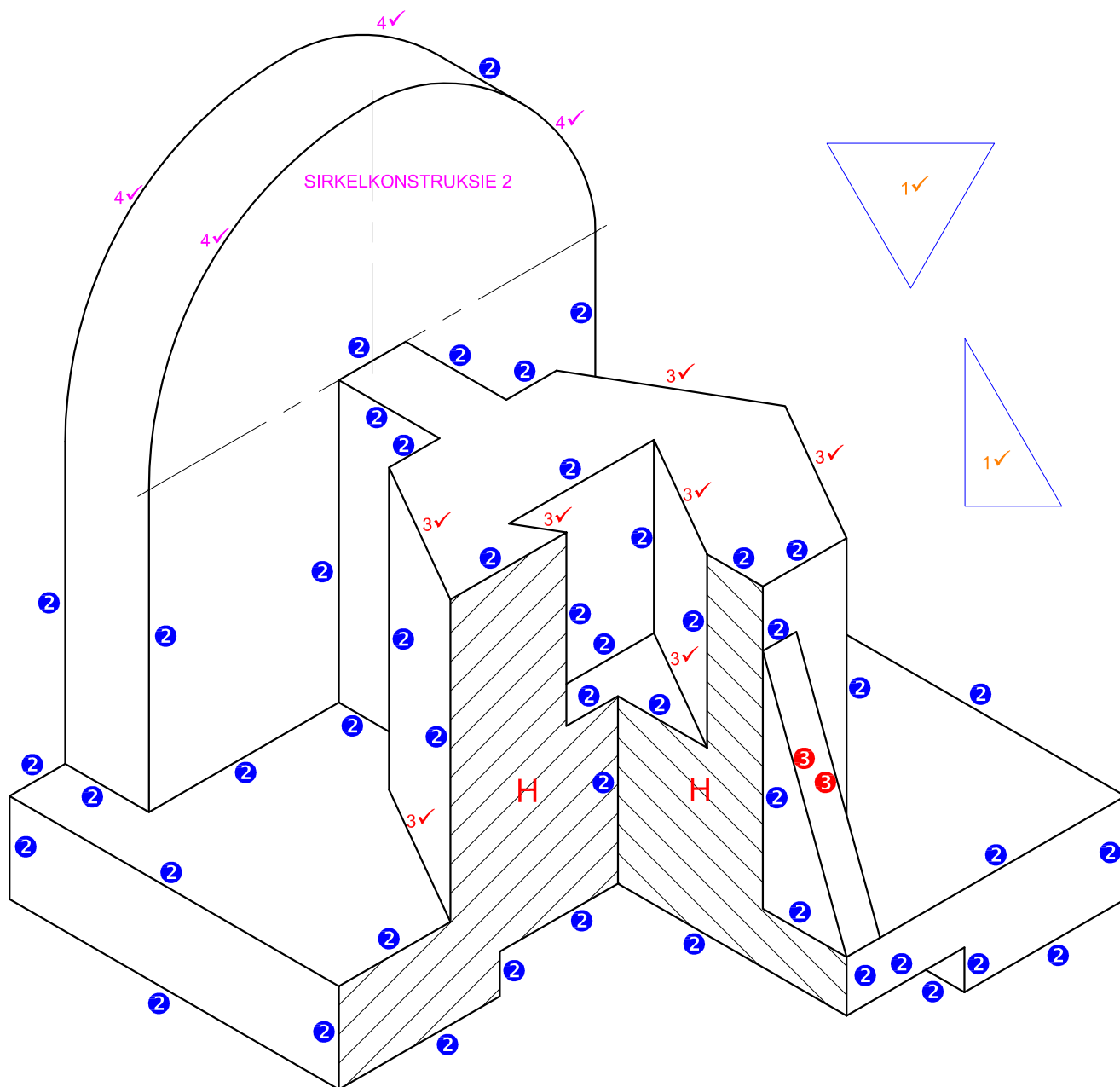
ANTWOORD 17



VRAESTEL 2 VRAAG 1
 GRAAD 12
 SEPTEMBER 2015
 MEMORANDUM



ASSESSERINGSKRITERIA	
1	GRAFIEKVERDELING+ KONSTR GRAFIEK
2	UITSTIPPING + KURWES
3	MIN. AFSTAND + SENTERLYNE + PYL
4	KONSTRUKSIE
5	UITSTIPPING
6	KURWE
7	BYSKRIFTE
	TOTAAL
4	13
3	3
3	3
7½	4½
1	1
	36

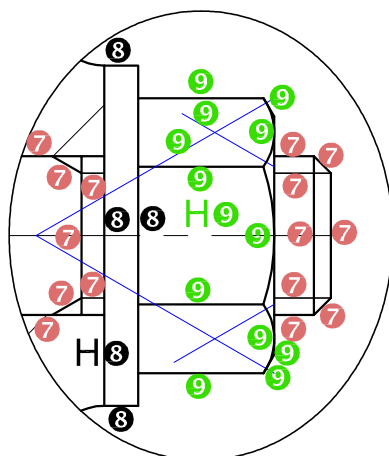
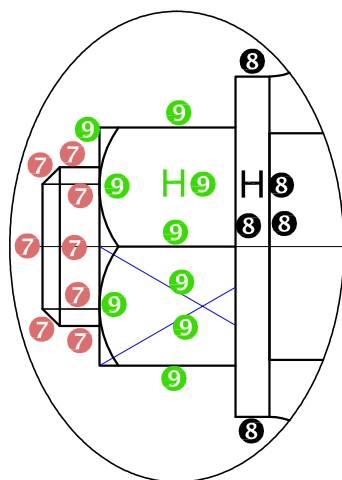
**ASSESSERINGSKRITERIA**

1	HULPAANSIGTE + PLASING	3
2	ISO' LYNE	24
3	NIE ISO' LYNE	8
4	SIRKEL + KONSTR	6
H	ARSERING	3
TOTAL		44

VRAESTEL 2 VRAAG 3
 GRAAD 12
 SEPTEMBER 2015
 MEMORANDUM



Blaai om asseblief

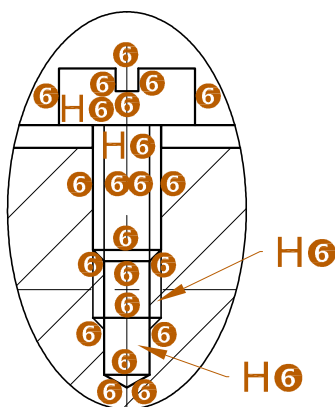


LINKER- EN REGTERKANT SE MOERE EN WASTERS EN AS
EINDPUNTE

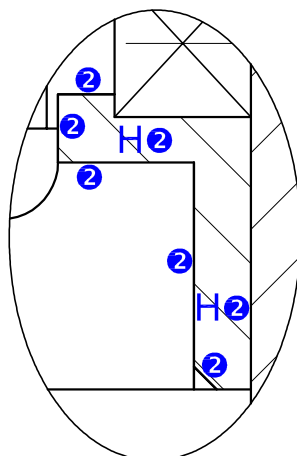
ASSESSERINGSKRITERIA

SNITVOORAANSIG

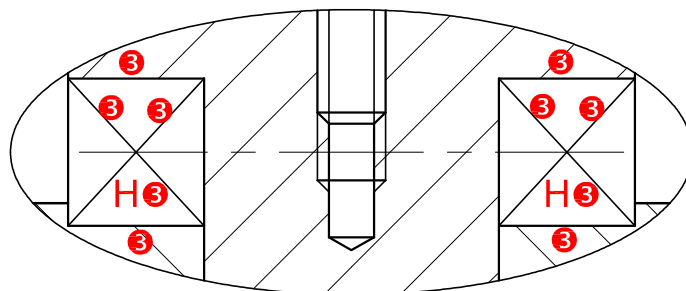
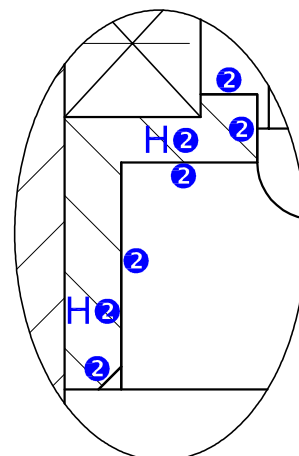
1	BASIS	19
2	BUS	7
3	KOEËLAAR	5
4	PEN	6
5	DEKSEL	7
6	SKROEF	12
7	AS	14
8	WASTERS	5
9	MOERE	11
10	SENERLYNE	2
	SAMESTELLING	5
TOTAAL		93



SKROEF



BUS



KOEËLAAR