

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

**NASIONALE
SENIOR SERTIFIKAAT**

GRAAD 12

INGENIEURSGRAFIKA EN -ONTWERP V2

SEPTEMBER 2016

MEMORANDUM

PUNTE: 200

TYD: 3 uur

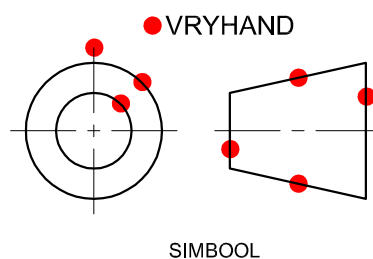
Die memorandum bestaan uit 6 bladsye.

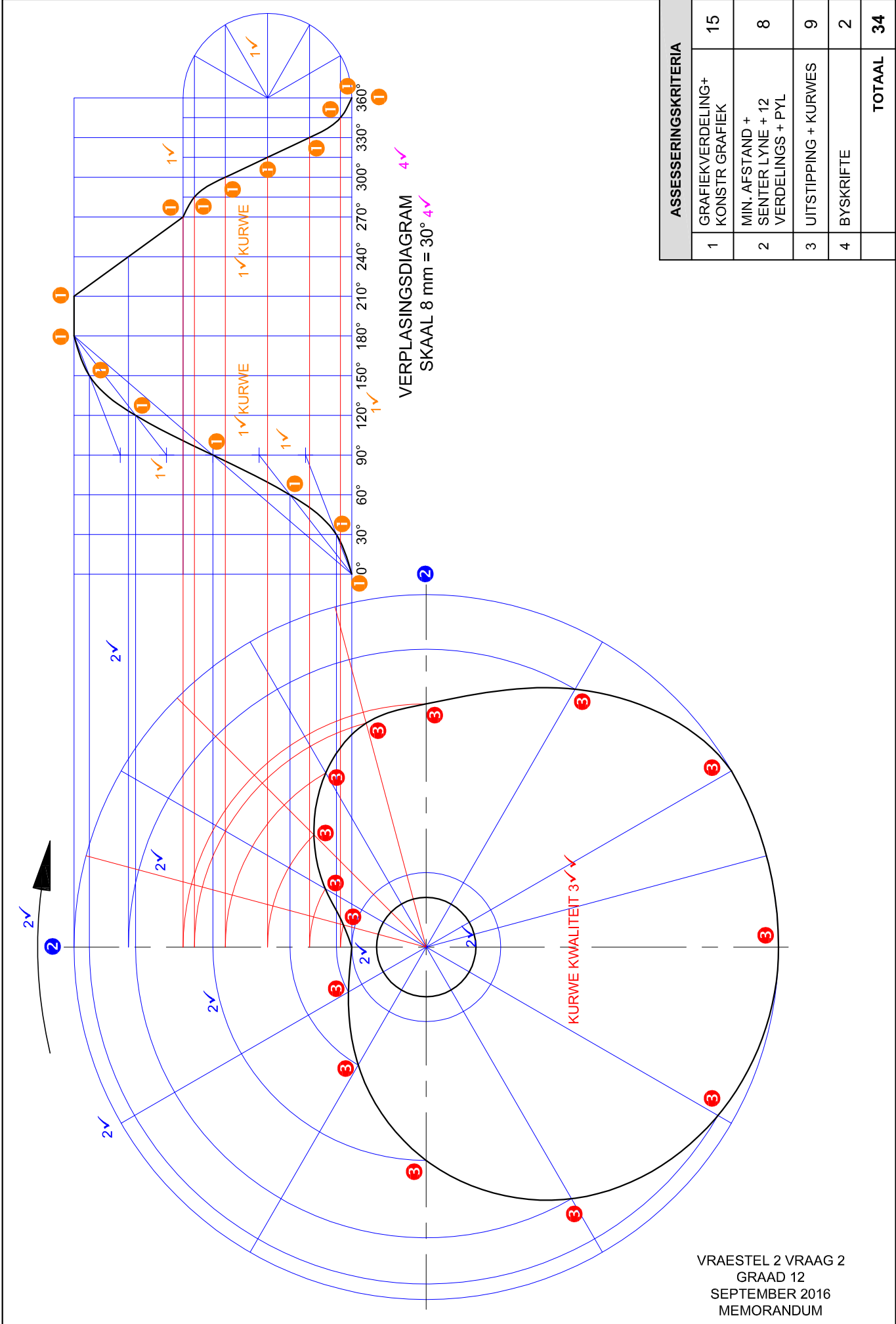
Kopiereg voorbehou

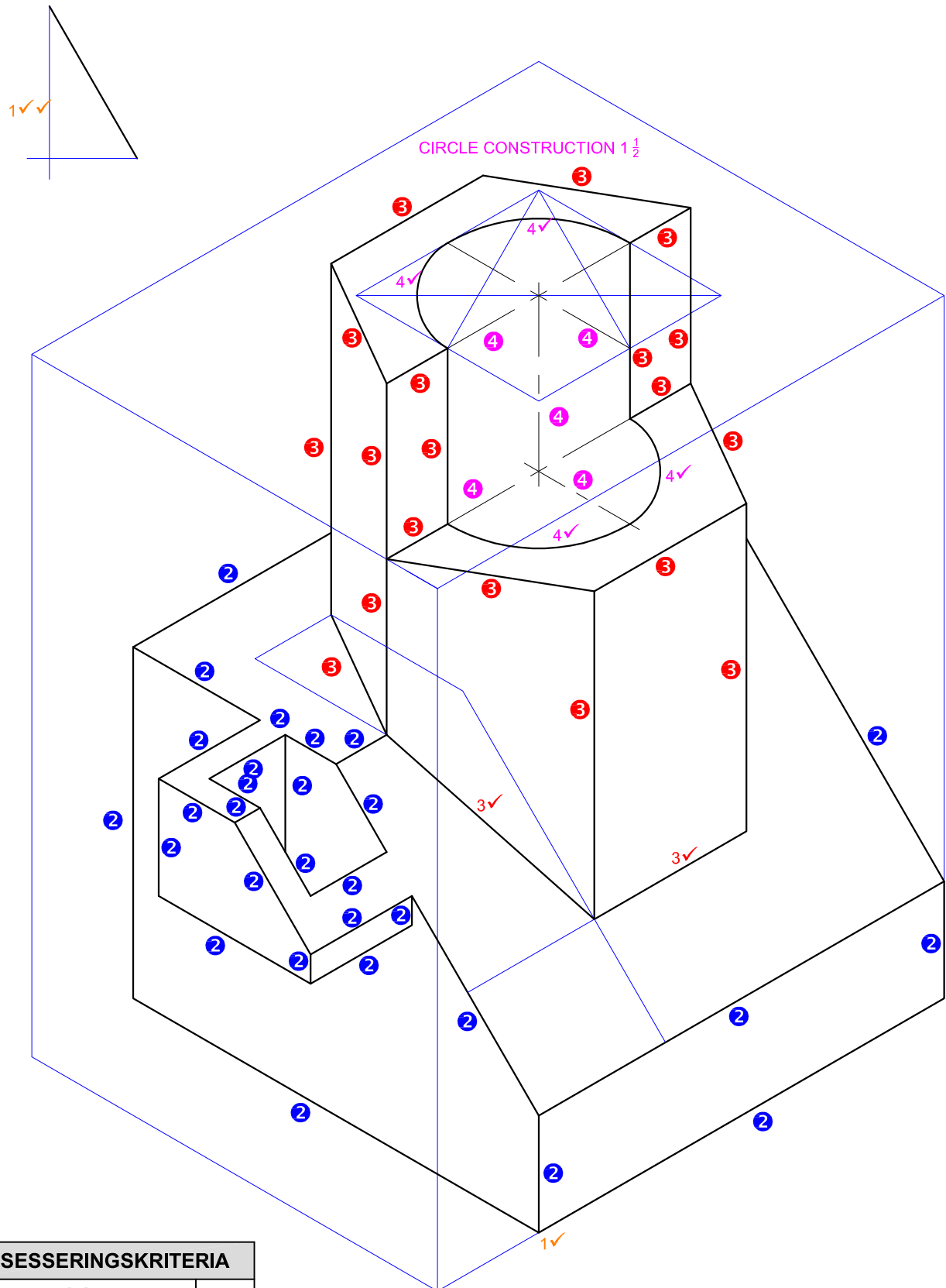
ANTWOORDE

1	2015/09/12	1
2	GENERAL ENGINEERING	1
3	1 : 2	1
4	VERHARD	1
5	2015/09/15	1
6	PV3-25	1
7	BOAANSIG	1
8	4	1
9	0,25	1
10	1,2	1
11	8	1
12	GERIGTE SNIT	1
13	FILLET / BINNE RONDING	1
14	SKROEFDRAAD	1
15	10 mm	2
16	INDRINGINGSKURWE	2
17	GEDEELTELIKE SNIT	2
18	60°	2
19	A Ø96 B 78 C 128 D Ø13	4
20		4
	TOTAL	30

ANTWOORD 20

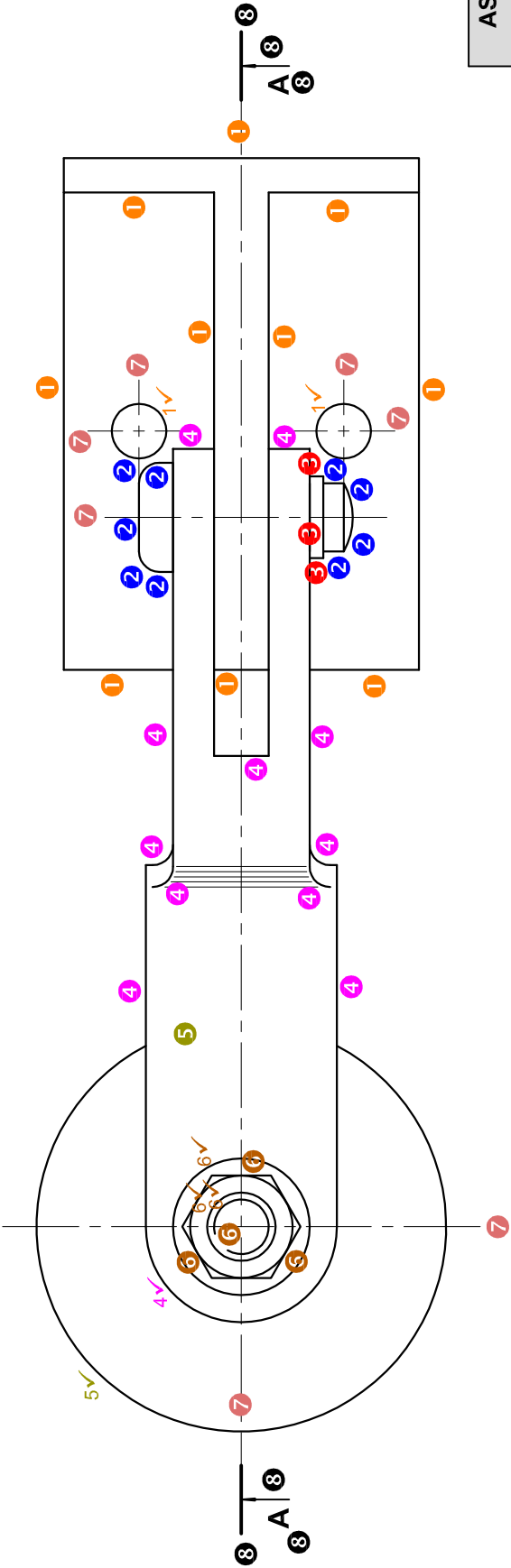




**ASSESSERINGSKRITERIA**

1	HULPAANSIGTE + PLASING	3
2	ISO' LYNE - BASIS	14 $\frac{1}{2}$
3	SESKANTIGE PRISMA	11 $\frac{1}{2}$
4	SIRKEL + KONSTR	8
TOTAAL		37

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ASSESSERINGS- KRITERIA		
BO-AANSIG		
1	BASIS	7
2	PEN	4½
3	BORGRING	1½
4	FURK	5½
5	KATROL	1½
6	WASSER + MOER + BOUT	5
7	SENTERLYNE	6
8	SNYVLAK	3
9	SAMESTELLING	8
SUB TOTAAL		42

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The drawing shows a mechanical assembly with several components. A central vertical shaft is surrounded by a housing. On the left, there is a flange with 12 bolts, each labeled with a '6'. The central shaft has a series of steps and a central hole. The housing has a large circular opening on the right side. Various parts are labeled with numbers in colored circles: 1 (orange), 2 (blue), 3 (red), 4 (blue), 5 (green), 6 (orange), 7 (red), and 19 (black). Some numbers are accompanied by checkmarks (✓) or arrows (→). The drawing is a cross-section, showing the internal structure of the components.

ASSESSERINGS- KRITERIA	
DEURSNEE VOORAANSIG	
1	BASIS
2	PEN
3	VURK
4	BUS
5	KATROL
6	WASSER + MOER + BOUT
SUB-TOTAAL	
TOTAAL	

6½

1½

19

2

10

18

57

99

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