

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

**NASIONALE
SENIOR SERTIFIKAAT**

GRAAD 11

INGENIEURSGRAFIKA EN -ONTWERP V2

NOVEMBER 2018

MEMORANDUM

PUNTE: 200

TYD: 3 uur

Die memorandum bestaan uit 6 bladsye.

Kopiereg voorbehou

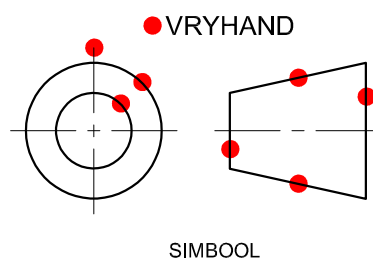
ANTWOORDE

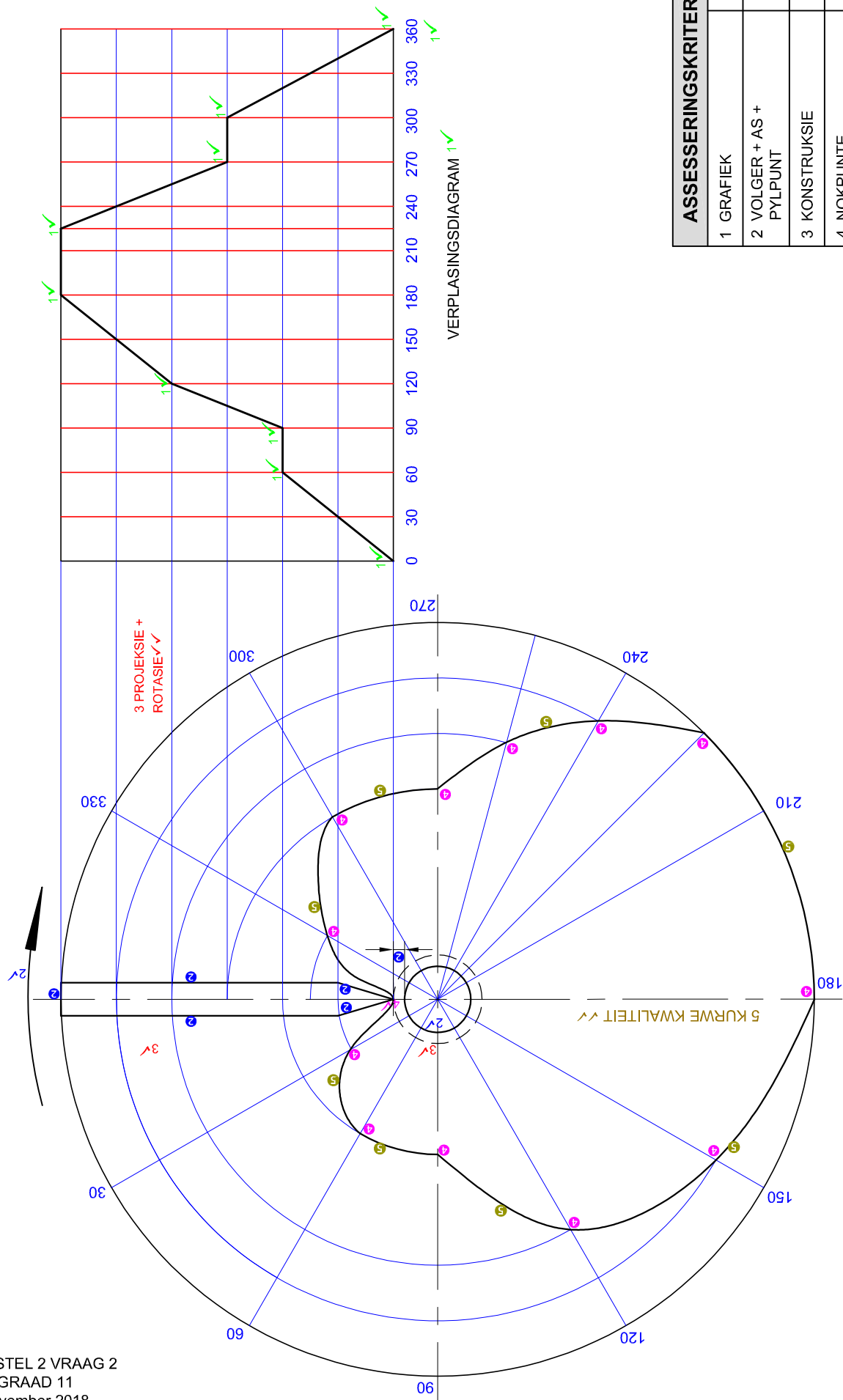
| | | |
|----|--------------------------------------|-----------|
| 1 | 2018/05/15 | 1 |
| 2 | REINSTEEL INGENIEURSWERKE | 1 |
| 3 | 1 : 5 | 1 |
| 4 | VERHARDING | 1 |
| 5 | 2018/05/13 | 1 |
| 6 | RS 501 E | 1 |
| 7 | UITSKUIF- ISOMETRIESE AANSIG | 1 |
| 8 | DEURSNEE AANSIG | 1 |
| 9 | 0,25 | 1 |
| 10 | GEDEELTELIKE DEURSNEE / DEELDEURSNIT | 1 |
| 11 | 45° | 1 |
| 12 | RIB/WEB | 1 |
| 13 | AFKANTING | 1 |
| 14 | 18 | 2 |
| 15 | | 11 |
| 16 | | 4 |
| | TOTAAL | 30 |

ANTWOORD 15

| | |
|----|-----------------|
| 1 | BORGRING |
| 2 | WASTER |
| 3 | AS |
| 4 | SPY |
| 5 | KATROL/WIEL |
| 6 | BUS |
| 7 | KOELLAAR |
| 8 | BASIS/STEUNSTUK |
| 9 | SPASIEERDER |
| 10 | RAT |
| 11 | KASTEELMOER |

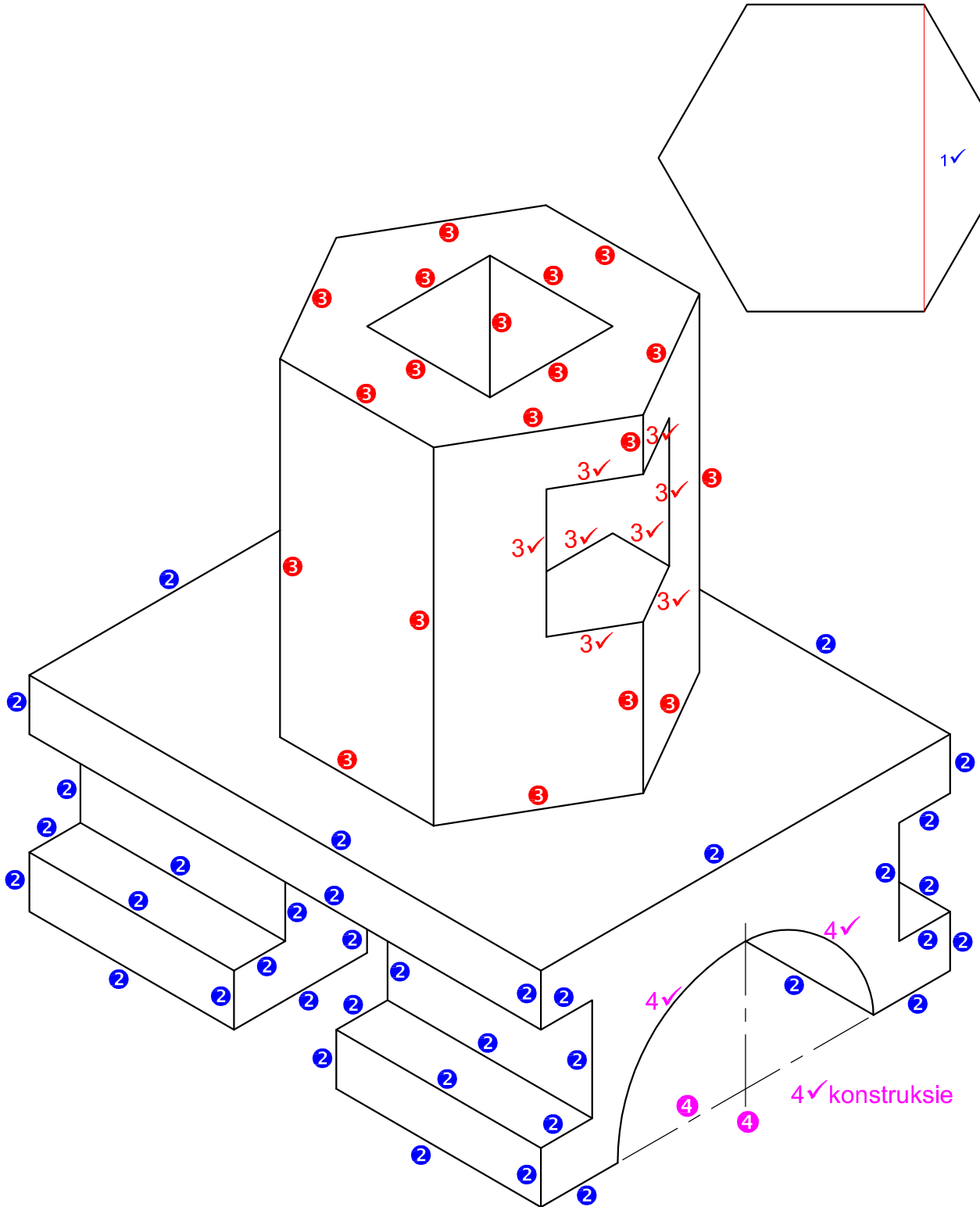
ANTWOORD 16





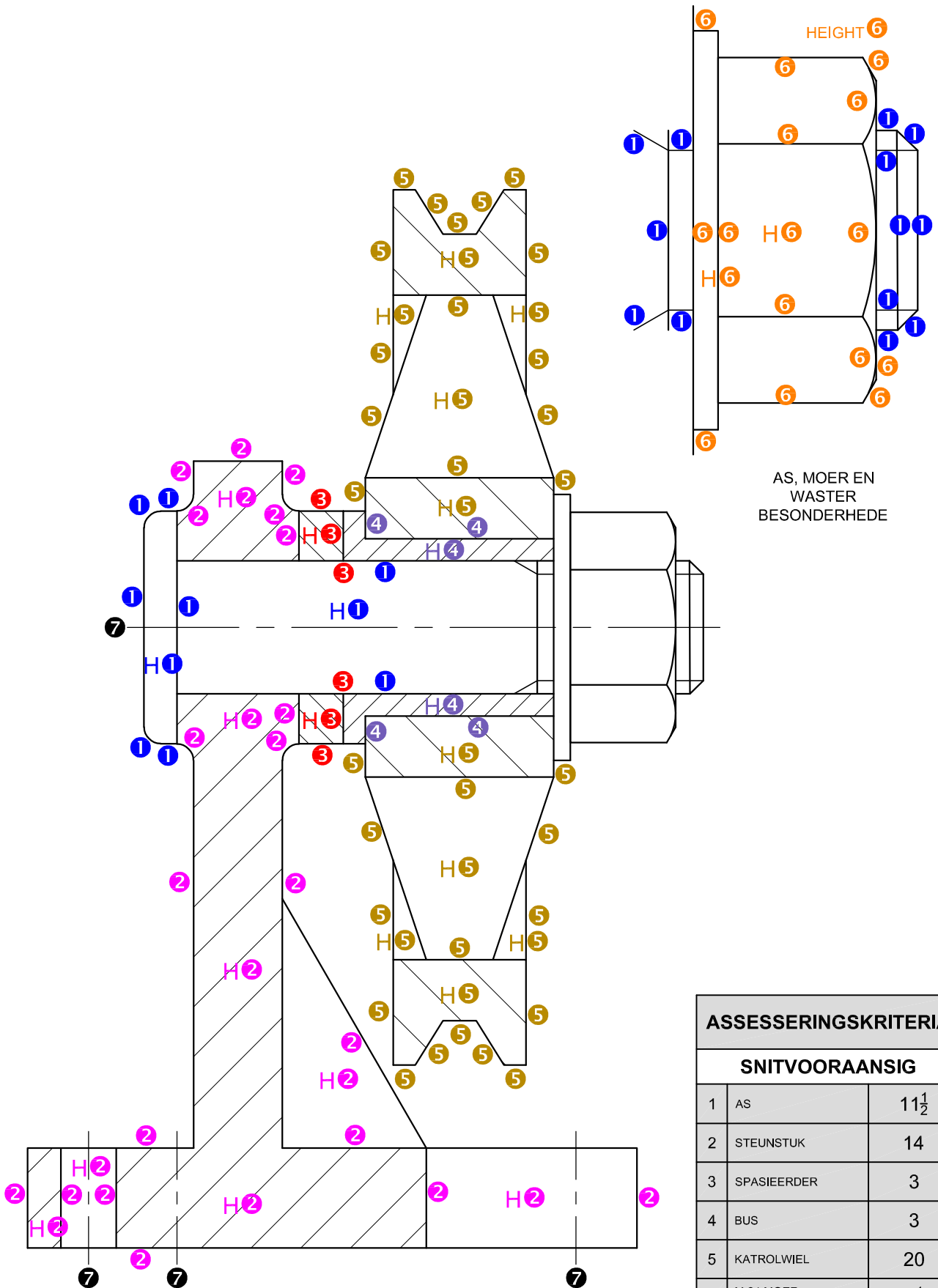
| ASSESSERINGSKRITERIA | |
|------------------------|-----------|
| 1 GRAFIEK | 11 |
| 2 VOLGER + AS + PYPUNT | 5 |
| 3 KONSTRUKSIE | 4 |
| 4 NOKPUNTE | 7 |
| 5 KURWE + KWALITEIT | 6 |
| TOTAAL | 33 |

VRAESTEL 2 VRAAG 2
 GRAAD 11
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| ASSESSERINGSKRITERIA | |
|-------------------------|-----------|
| 1. HULPAANSIG + PLASING | 2 |
| 2. VOETSTUK | 18½ |
| 3. SESHOEKIGE PRISMA | 17½ |
| 4. SIRKEL + SL | 4 |
| TOTAAL | 42 |

VRAESTEL 2 VRAAG 3
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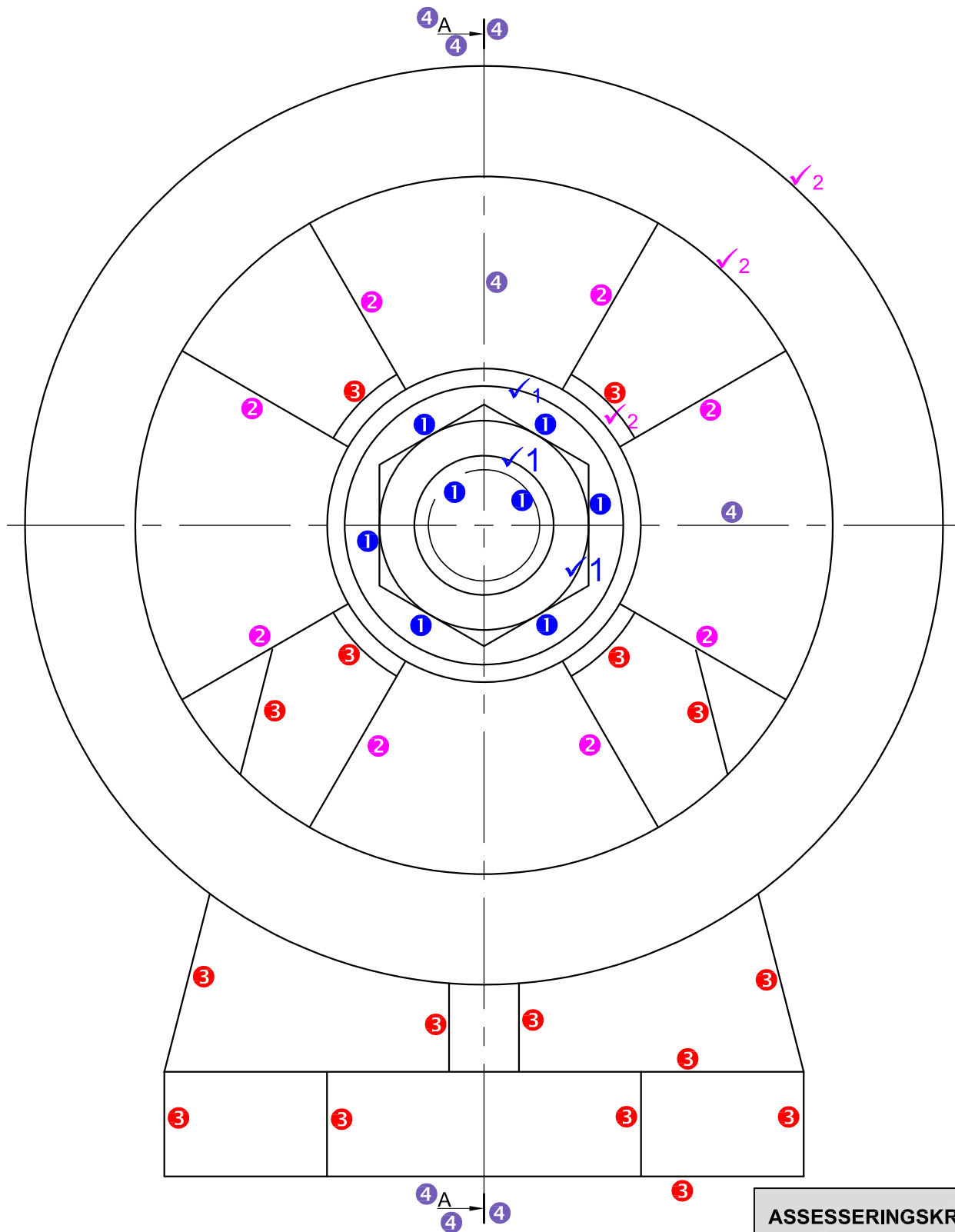
AS, MOER EN
WASTER
BESONDERHEDE

SECTION AA ✓

| ASSESSERINGSKRITERIA | | |
|----------------------|-----------------------|-----------|
| SNITVOORAANSIG | | |
| 1 | AS | 11½ |
| 2 | STEUNSTUK | 14 |
| 3 | SPASIEERDER | 3 |
| 4 | BUS | 3 |
| 5 | KATROLWIEL | 20 |
| 6 | M 24 MOER + WASTER | 8½ |
| 7 | SENTERLYNE + ETIKETTE | 3 |
| 8 | SAMESTELLING | 6 |
| SUBTOTAAL | | 69 |

VRAESTEL 2 VRAAG 4.1
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1 PUNT VIR ELKE
KOMPONENT
WAT KORREK
SAAMGESTEL IS
MAKS 6



| ASSESSERINGSKRITERIA | | |
|----------------------|--------------------|-----------|
| REGTERAANSIG | | |
| 1 | M 24 MOER + WASTER | 7 |
| 2 | KATROLWIEL | 7 |
| 3 | STEUNSTUK | 8 |
| 4 | SNYVLAK + SL | 4 |
| SUBTOTAAL | | 26 |
| TOTAAL | | 95 |

VRAESTEL 2 VRAAG 4.2
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