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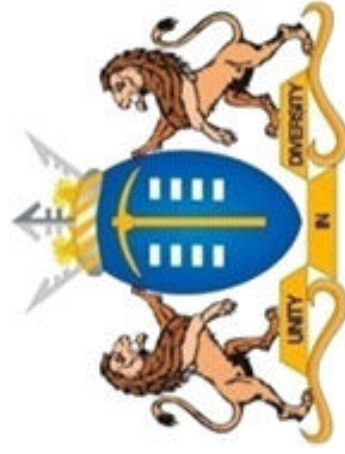
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GAUTENG PROVINCE

EDUCATION
REPUBLIC OF SOUTH AFRICA

JUNE EXAMINATION

GRADE 12

2026

ENGINEERING GRAPHICS AND DESIGN

PAPER 2

MARKING GUIDELINES

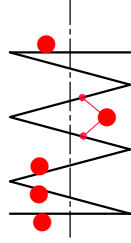
4 Pages

ANSWERS

1	XK25/13.LC	1
2	78	1
3	94	1
4	MIGUEL	1
5	2025/06/01	1
6	<u>AUTOCAD</u>	1
7	SCALE 3 : 7	1
8	✓ A: 14 ✓ B: M24 ✓ C: 56 D: 4 ✓ E: R8 ✓	5
9	68° / <u>69°</u> / 70°	1
10	<u>BOTTOM VIEW</u>	1
11	<u>INTERRUPTED VIEW</u>	1
12	Ø64 + 0,17 = Ø64,17 ✓	2
13	R30 - 0,08 = R29,92 ✓	2
14	<u>DIAMOND KNURLING</u>	1
15	<u>CHAMFER</u>	1
16	COUNTERSINK HOLE	1
17	<u>REVOLVED SECTION</u>	1
18	SYMMETRY / SYMMETRICAL	1
19	2 / TWO	1
20	L J	1
21	SEE BELOW	3
TOTAL		30

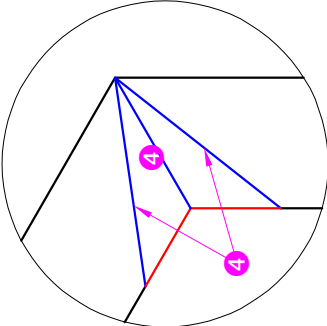
ANSWER 21

FREEHAND ●

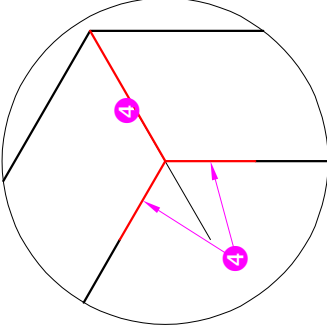


OR

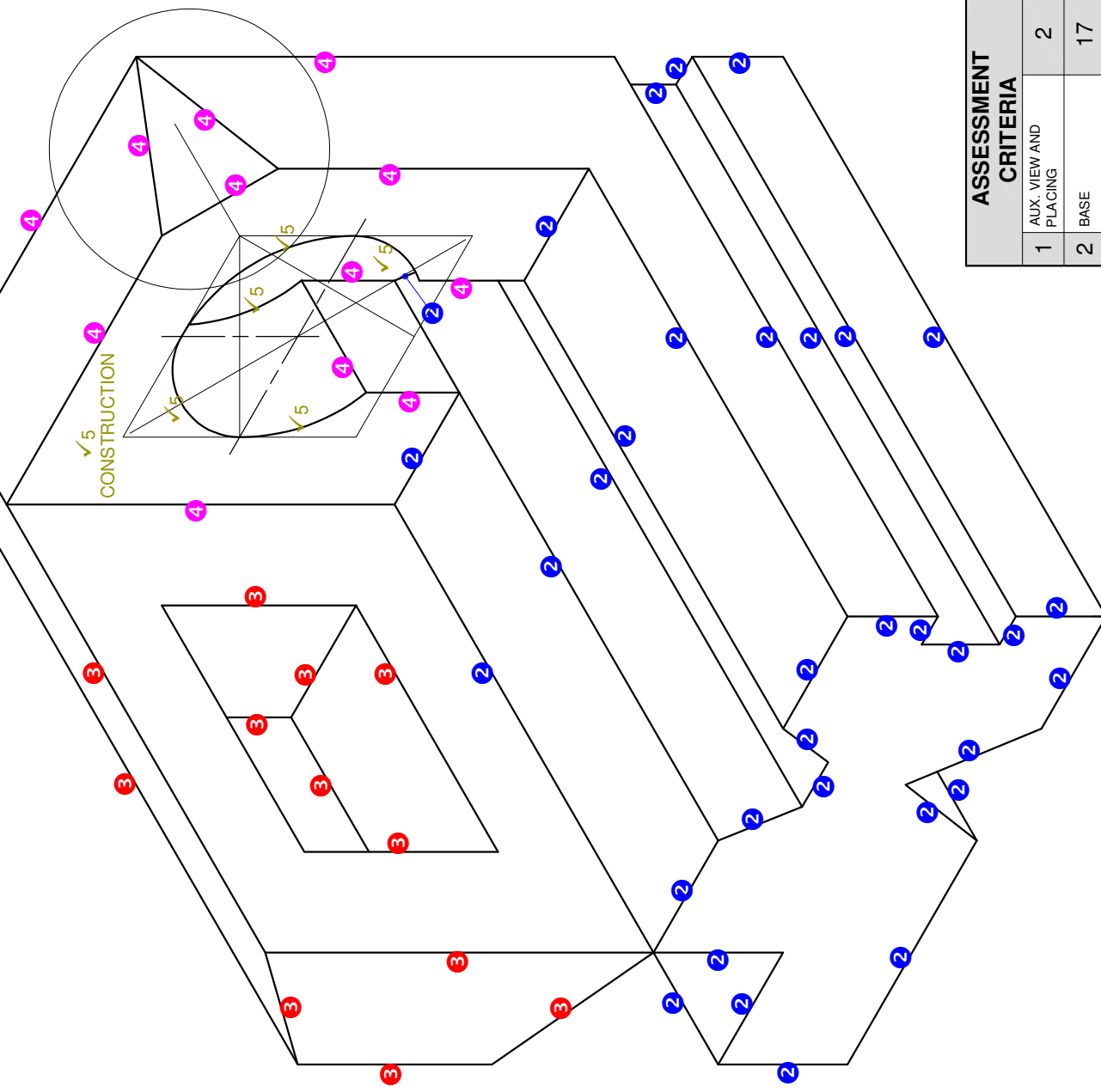
2 x STRAIGHT ENDS 0,5 + 0,5
 V-SHAPE 0,5 + 0,5
 REPEAT OF V-SHAPE 0,5
 FREEHAND $\frac{0,5}{3}$



ALTERNATIVE A



ALTERNATIVE B

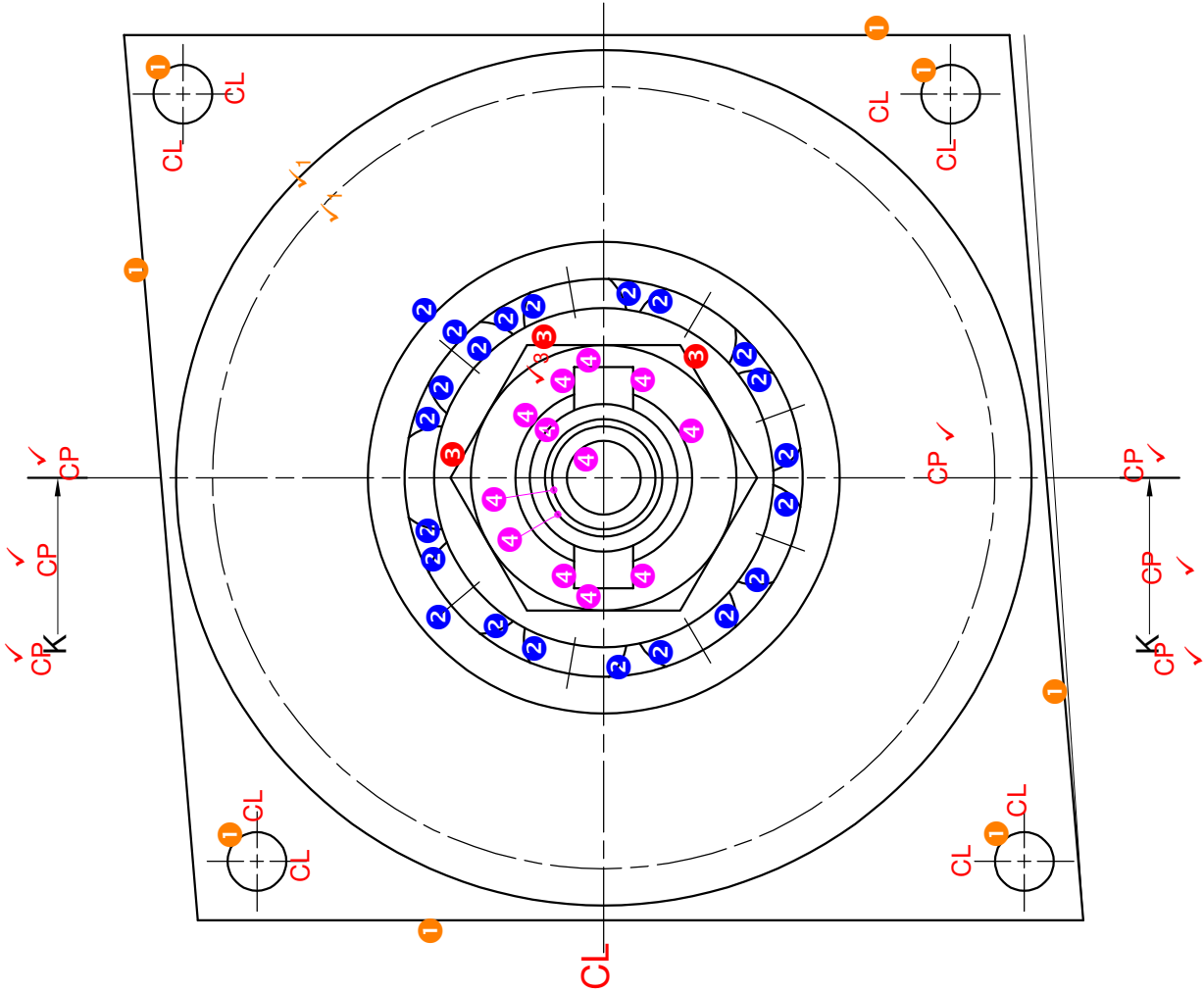


CONSTRUCTION

R

STARTING ✓ 1 / ORIENTATION ✓ 1

ASSESSMENT CRITERIA	
1	AUX. VIEW AND PLACING
2	BASE
3	LEFT SIDE
4	RIGHT SIDE
5	ISOMETRIC CIRCLES AND CENTRE LINES
TOTAL	
38	



ASSESSMENT CRITERIA	
RIGHT VIEW	
1	BACKPLATE + WORM WHEEL 6
2	BEARING AND SPACER 11
3	M24 NUT 2 1/2
4	SHAFT + PIN + LOCK KEY 6
SUBTOTAL	
25 1/2	

