

071506T4MTP

MECHANICAL TECHNICIAN LEVEL 6

ENG/OS/ME/CR/2/06/A

FABRICATE SHEET METAL PARTS

July /August 2024



TVET CURRICULUM DEVELOPMENT, ASSESSMENT AND CERTIFICATION COUNCIL
(TVET CDACC)

PRACTICAL ASSESSMENT

TIME: 6 HOURS

INSTRUCTIONS TO CANDIDATE

1. You are required to have Personal Protective Equipment for the practical assessment
2. You are required to perform the following tasks:
 - i. Prepare the **Operation Procedure Sheet** as per the working drawing
 - ii. Produce the component shown on the working drawing as per your prepared operation procedure sheet.
 - iii. Inspect the finished work and record in the form “*Candidate’s Inspection Checklist for the Finished Work*” provided in Appendix 1.

This paper consists of SEVEN (7) printed pages.

Candidates should check the question paper to ascertain that all pages are printed as indicated and that no page is missing

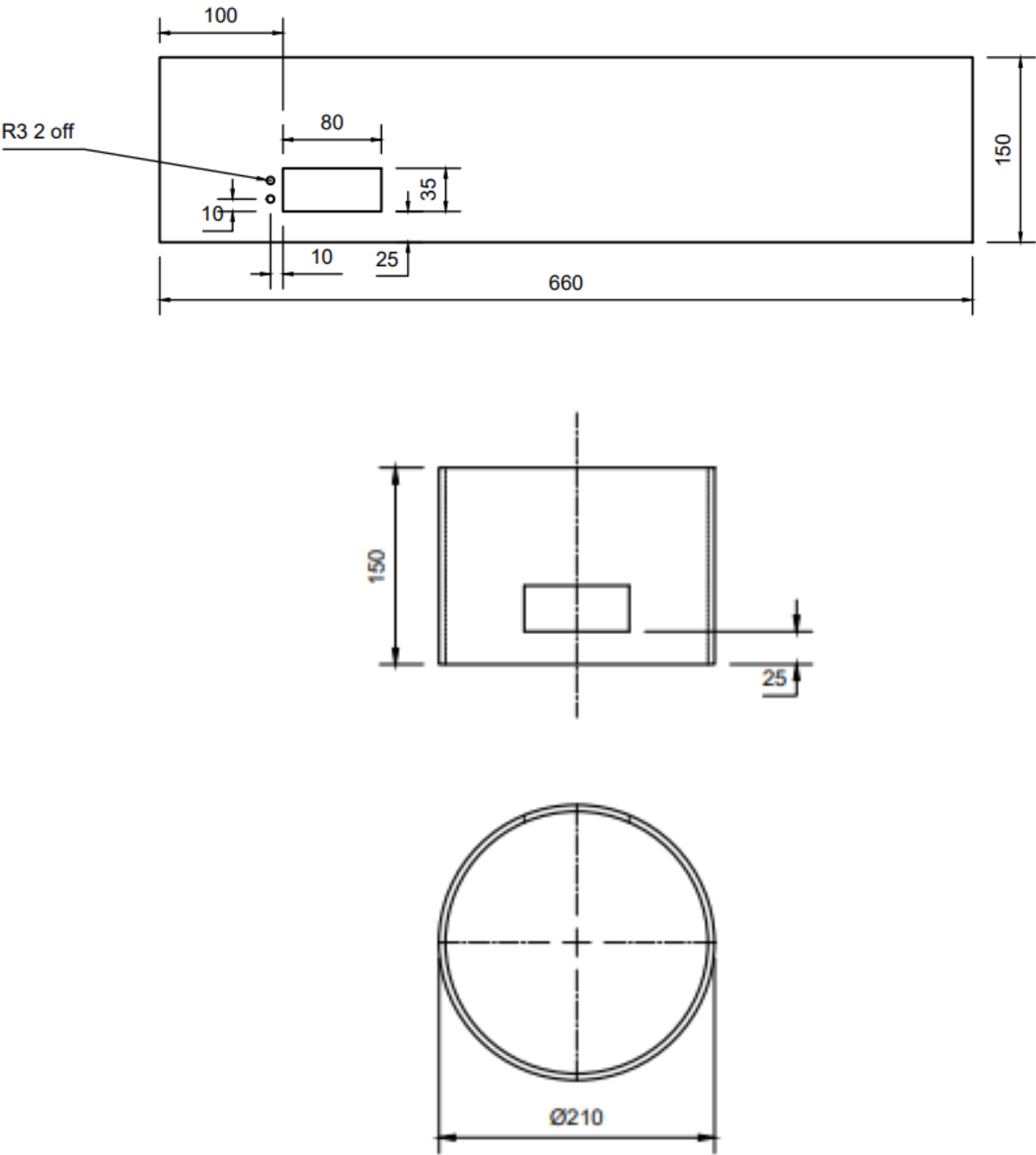
Turn Over

3. You are provided with the following resources to carry out the tasks:

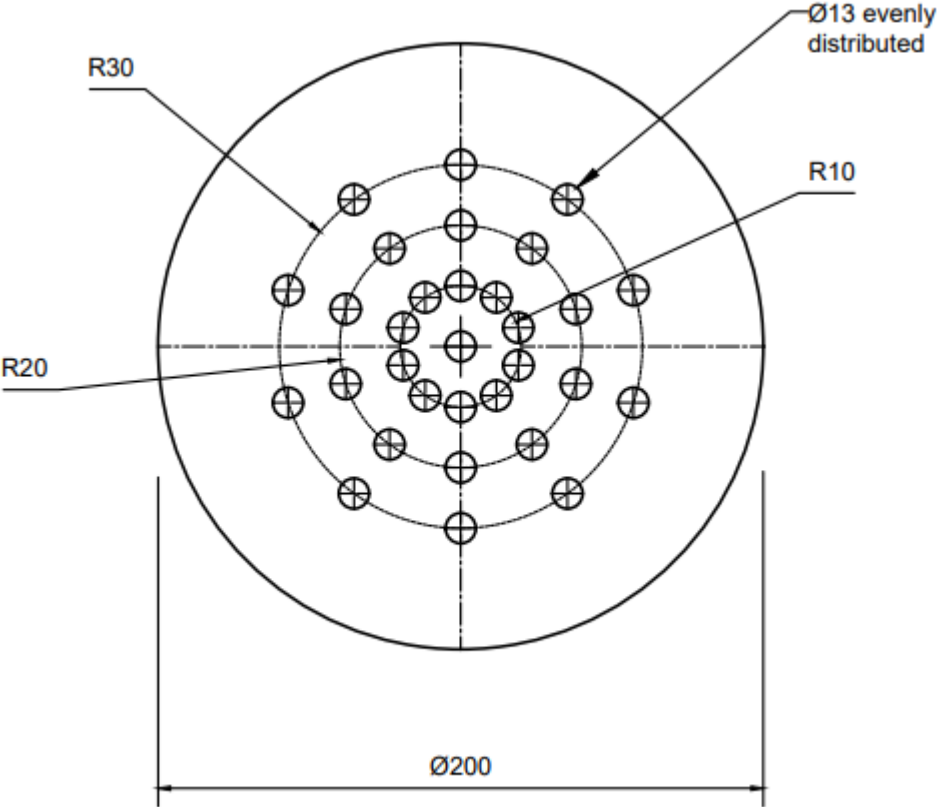
- Mild steel plate:
 - $670 \times 160 \times 1.5$
 - $220 \times 220 \times 1.5$ (2 off)
 - $85 \times 40 \times 1.5$
 - $45 \times 18 \times 1.5$ (9 off)
- MS hinge 2"
- Rivets $\varnothing 6$ mm (4 off)
- Arc welding machine and accessories
- M.S welding rods $\varnothing 2.5$ mm
- Drilling machine and accessories
- Drill bit $\varnothing 13$ mm, $\varnothing 6$ mm.
- Bench shear
- Rolling machine and accessories
- Bench vice
- Anvil
- Steel rule
- Vernier caliper
- Scriber
- Ball pein hammer
- Assorted files
- Chipping hammer
- Welding shield

Note:

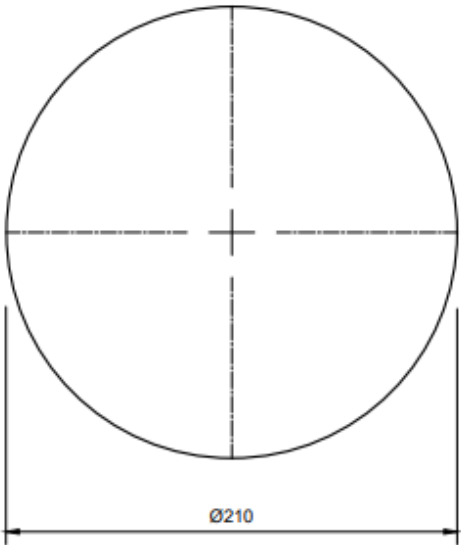
- **All dimensions are in millimetres**
- **Tolerance: ± 0.5**



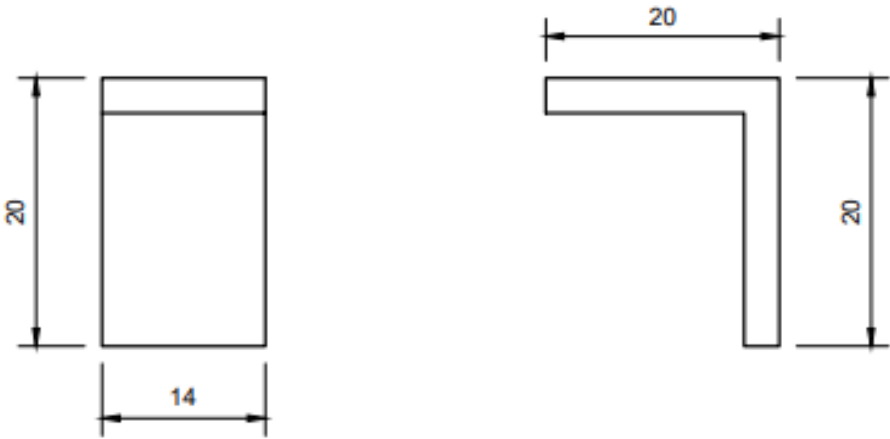
Part 1: Body



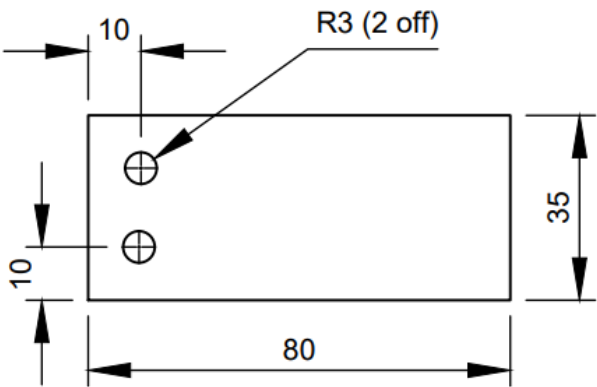
Part 2: Perforated Plate



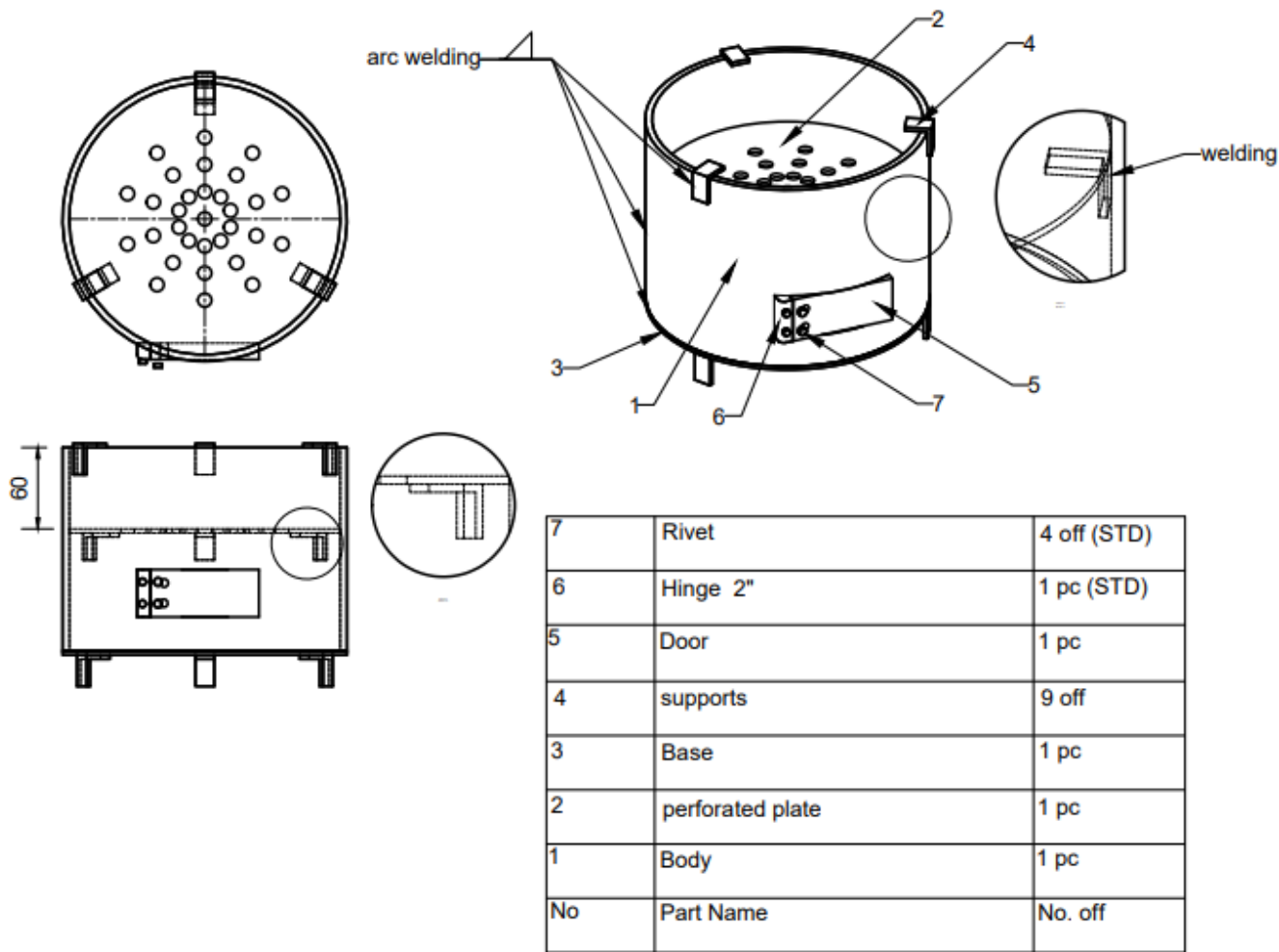
Part 3: Base



Part 4: Stands (9 off)



Part 5: Door



APPENDIX 1: INSPECTION CHECKLIST

No	Basic dimensions All dimensions are in mm Tolerance ± 0.5	Candidate measurements	deviations
	body		
1.	660		
2.	150		
	Perforated Plate		
3.	Ø 200		
	Base		
4.	Ø 210		
	door		
5.	80		
6.	35		
	Stands		
7.	40		
8.	14		

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