

071506T4MTP

MECHANICAL TECHNICIAN LEVEL 6

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

Fabricate Sheet Metal Parts

Nov/Dec 2024



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

PRACTICE

RS

INSTRUCTIONS TO CANDIDATE:

1. 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.
2. You have been provided with the following resources for the practical tasks:
 - Materials:
 - Galvanized sheet metal gauge 18: $275 \times 175 \times 1.2$
 - Sheet metal Cutting Machine

- Bench vice
- Bending machine
- Drilling machine
- Drill bits Ø3mm & Ø 6 mm
- Functional Oxy-acetylene gas welding equipment and its accessories
- Brazing filler rod Ø3mm
- Steel rule
- Scriber
- Vernier calliper
- Vernier height gauge
- Angle plate
- Assorted hand Files
- Hacksaws
- Assorted Hammers
- Chisels
- Stakes
- Snips
- Centre punch
- Safety Goggles
- Leather Gloves
- Overall/Apron
- Safety boots

Note:

- **All dimensions are in mm**
- **Tolerance ± 2**
- **All edges are brazed**

APPENDIX 1: Inspection checklist

S/N	Basic dimensions	Candidates measurements	deviations
1. Development			
a. Linear dimensions			
1.	270		
2.	170		
3.	70		
4.	80 (2)		
5.	40 (2)		
6.	50 (2)		
7.	25 (2)		
8.	5 (4)		
9.	10		
10.	15 (3)		
	Diameters		
11.	Ø 3 (8 OFF)		
12.	Ø 6 (6 OFF)		

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