



TEST PIECE - Category 1

For year 1 trainees only

Wall Vent

Material: Mild Steel Galvanised

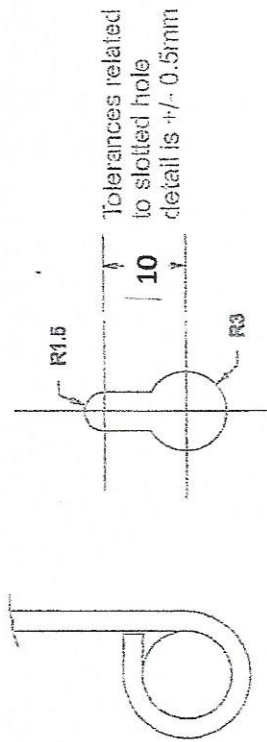
Thickness: 0.7 to 1mm

Tolerance: General ± 1.5 mm Hole Centres ± 1 mm unless otherwise stated.

Dwg Issue: 3 20-1-13

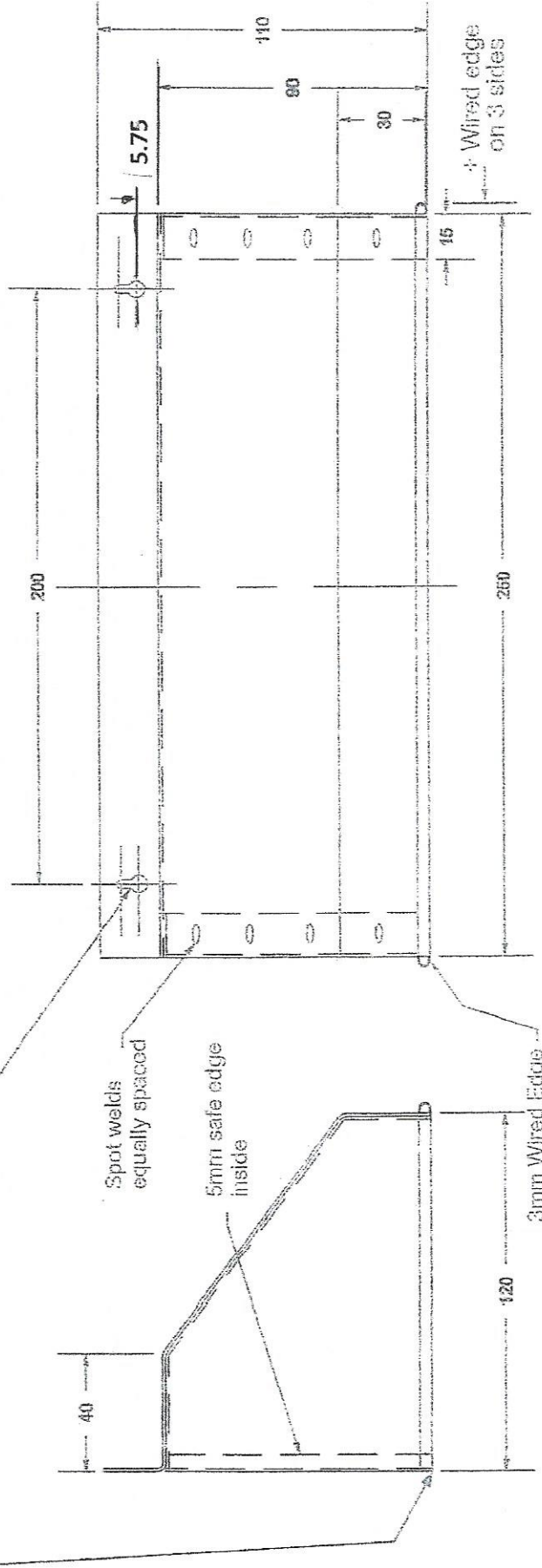
Notes

1. The Test Piece must consist of a minimum of THREE (3) or a maximum of SEVEN (7) individual pieces.
2. Spot welding or solid riveting may be used to join the Test Piece.
3. All dimensions are EXTERNAL unless otherwise stated.
4. The surface of the Test Piece should not be peened or shot blasted.
5. The entrant should submit a written account stating the reason for splitting the project the chosen way
6. Please remove all sharp edges
7. The Test Piece will be judged on Accuracy and Workmanship



on 3 sides

Hole detail





Date _____
Name _____
Competitor Company / Organisation _____

Competitor Number	_____	Judge 1 Initials	_____
Part Description	Wall Vent FOR YEAR 1 TRAINEES ONLY	Judge 2 Initials	_____
Material	Mild Steel CR3 (DC03) 0.8 / 0.9	Judge 3 Initials	_____
Tolerance	Linear +- 1.5mm. Centres +-1.0mm		

All dimensions are External unless otherwise stated.

To Be Checked Dimension or Feature	Max Mark	Judges dimensional and visual verification	Mark Awarded	Judges Comments Trainee's Dimn readings
Wall Vent				
1 30	5			
2 90	5			
3 110	4			
4 120	4			
5 40	4			
6 250	5			
7 Hole centres 200	5			
8 Flange width 15	3			
9 Safe Edge 5	3			
10 Wired Edge (3 sides) 3dia wire and detail	10			
11 5.75	3			
12 Slotted Hole Detail	4			
13 spot welding / assembly Fit & Finish	10			
14 General surface finish	5			
	70	Make Total		
Written Planning Document				
14 Health & safety Awareness	5			
15 Introduction	5			
16 Make process planning	5			
17 Use of Pictures & Diagrams	5			
18 Review	5			
19 Minimum 200 words hand written	5			
		Written Total		
Total	30		Overall Total	

Marking Criteria	Mark	General Comments	Position Test Piece
Selected Main Dimensions	45		
Secondary Dimensions	10		
Spot welding and assembly fit & finish	10		
General Surface Finish	5		
Written Total	30		
Total Marks	100	HEAD JUDGE SIGNATURE	
Dimensions in tolerance Full Marks			
Dimensions out of tolerance No Marks			
Items 12-13 Subjective Judges Decision			
Written Subjective Judges Decision			

PLEASE NOTE; THIS MARKING SHEET IS FOR THE BENEFIT OF THE COMPETITION COMPETITORS.

Part of today's skills requirement is self validation. It is expected that the trainee measures the test piece and puts dimensional readings in end column. A copy of this should be in the written planning document.

*Included in the written planning document must be
approximately 200 words about yourself HAND WRITTEN
A copy from your test piece document is acceptable.