



TA201A PROJECT REPORT

(PETRONAS TWIN TOWER)



GROUP NO. T-9 (TUESDAY)

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Lab In-Charge: Mr. Anil K.Verma

Tutor: Dr. Ashish Garg

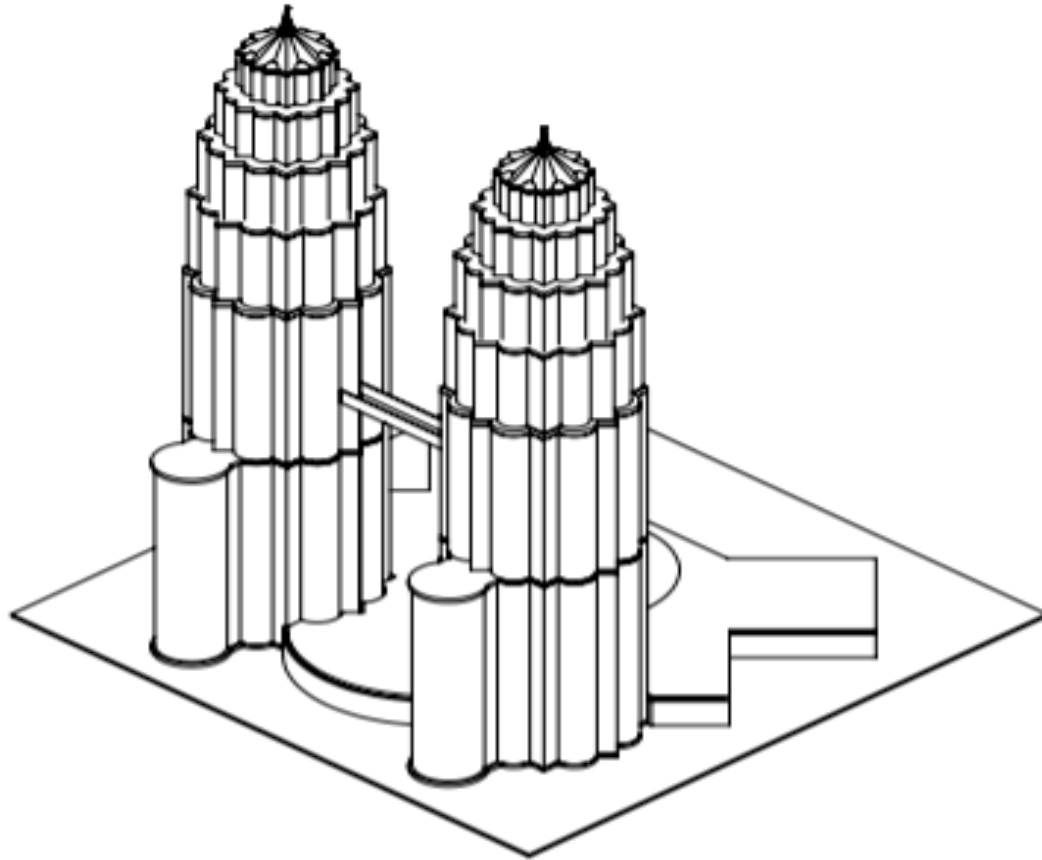
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4. Naveen Balaji N (170420)
5. Nilay Nitnaware (170437)
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ACKNOWLEDGMENT

In performing our assignment, we had to take help and guidelines from some respected persons who deserve our greatest gratitude. The completion of this report gives us much pleasure. We would like to show our gratitude to **Mr. Indra Pal Singh, Mr. Anurag Prasad, Mr. Rakesh Kumar, Mr. Shilankar, Mr. Anil Kumar Verma, Mr. Mewa Lal, Mr. Gaurav Mishra, Mr. Nripen Dek**a for guiding us through various processes of manufacturing and our tutor **Dr. Ashish Garg**, for his constant supervision and advice throughout the project. We would also like to expand our deepest gratitude to all those who have directly and indirectly guided us throughout our course. In addition, a thank you to **Professor Kantesh Balani**, who introduced us to the methodology of work, and whose passion for the underlying structure had lasting effect. We also thank our institute **IIT Kanpur** for providing us with these facilities which enabled us to complete the project. We are fortunate to study such an informative course **TA201** which made us familiar to real world manufacturing processes. Many people, especially our classmates and batchmates, have made valuable comments and suggestions on this proposal which gave us an inspiration to improve our report. We thank all the people for there help directly and indirectly to complete our project report.

•*Project Diagram*



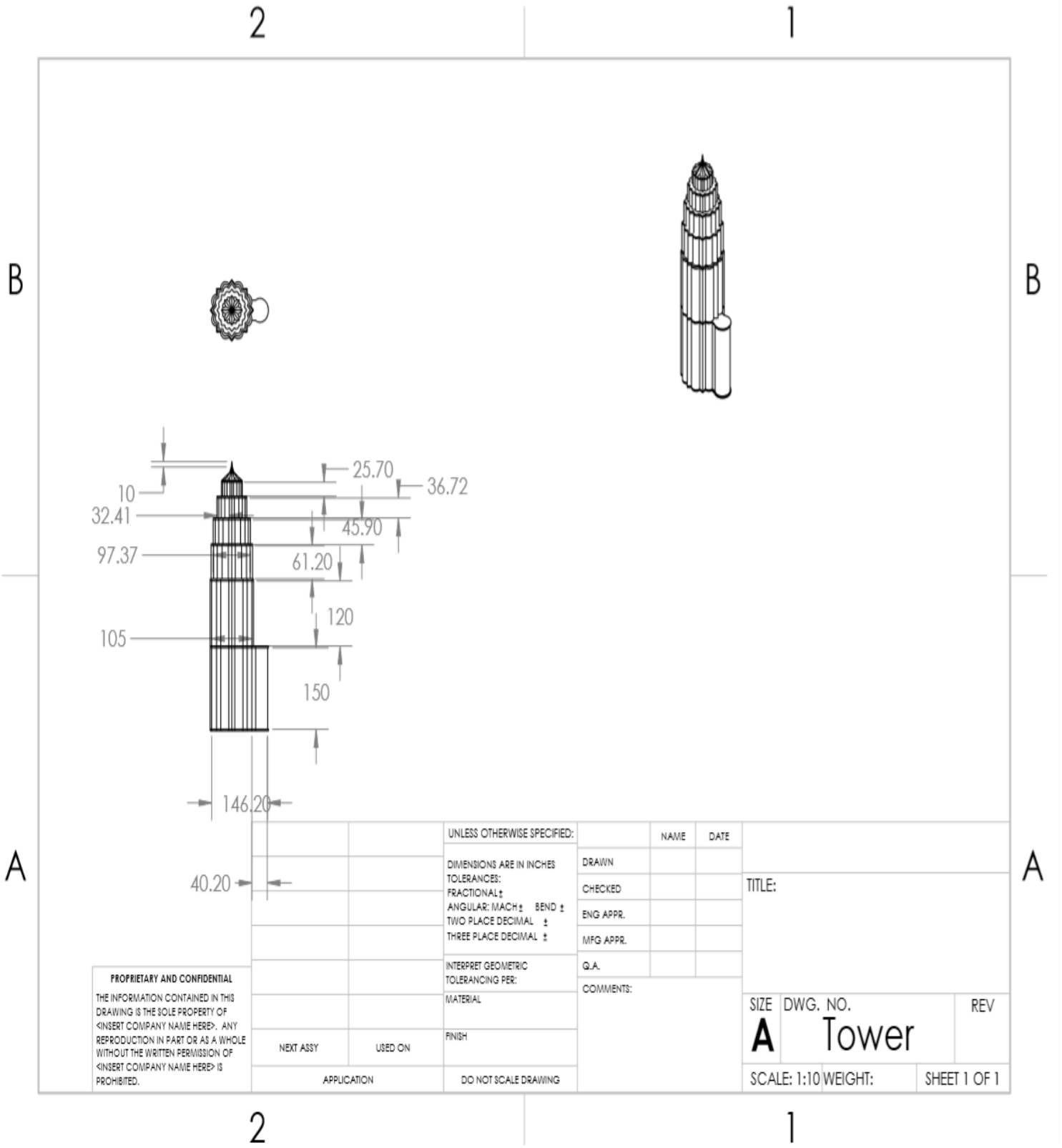
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:				FINISH:		DEBURR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION	
NAME		SIGNATURE		DATE				TITLE:			
DRAWN											
CHECKED											
APPROVED											
MPG											
Q.A.						MATERIAL:		DWG. NO.		A4	
								Petronas Twin Tower			
						WEIGHT:		SCALE: 1:2		SHEET 1 OF 1	

Petronas Twin Tower

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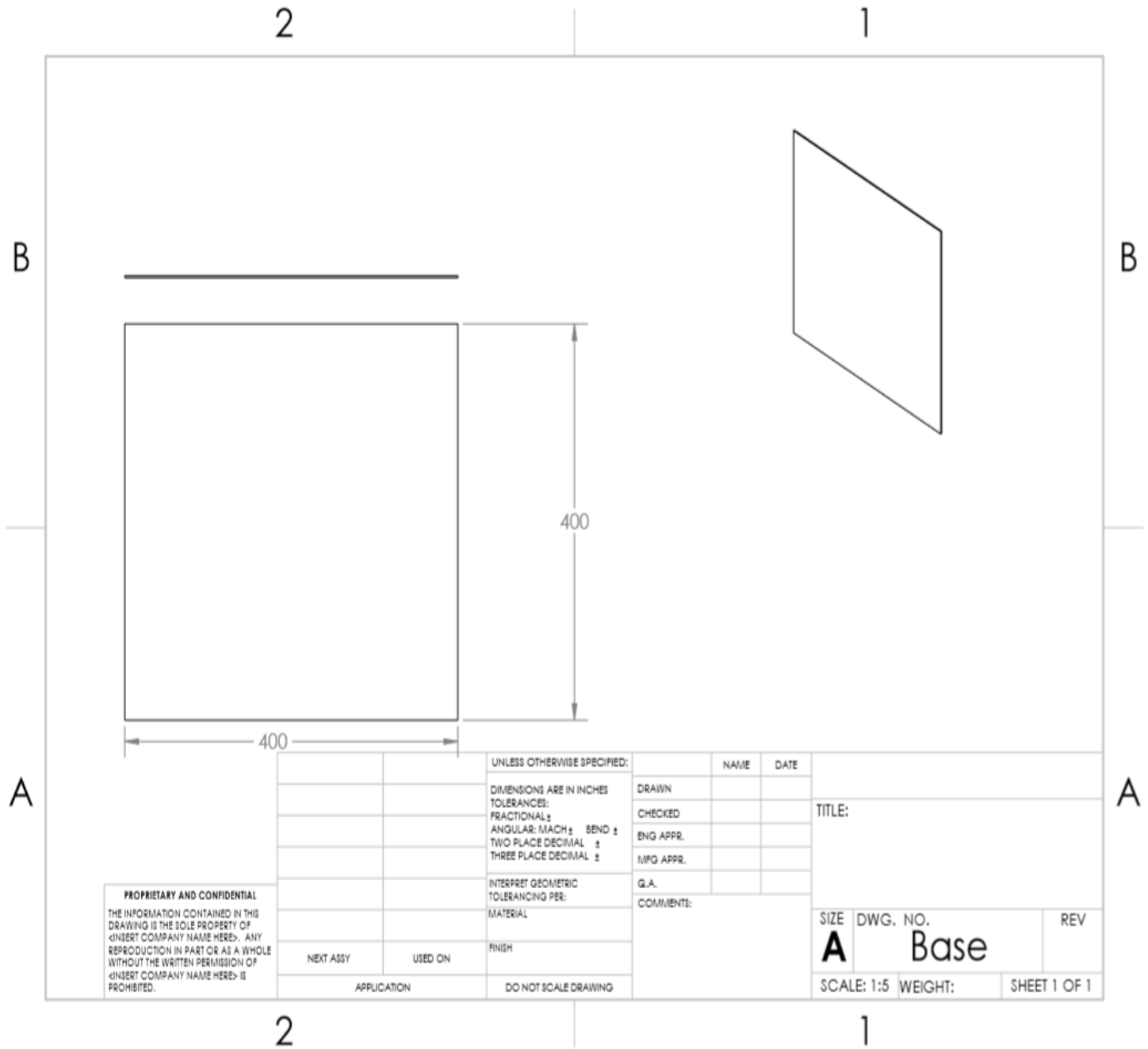
• OVERALL PROJECT



2

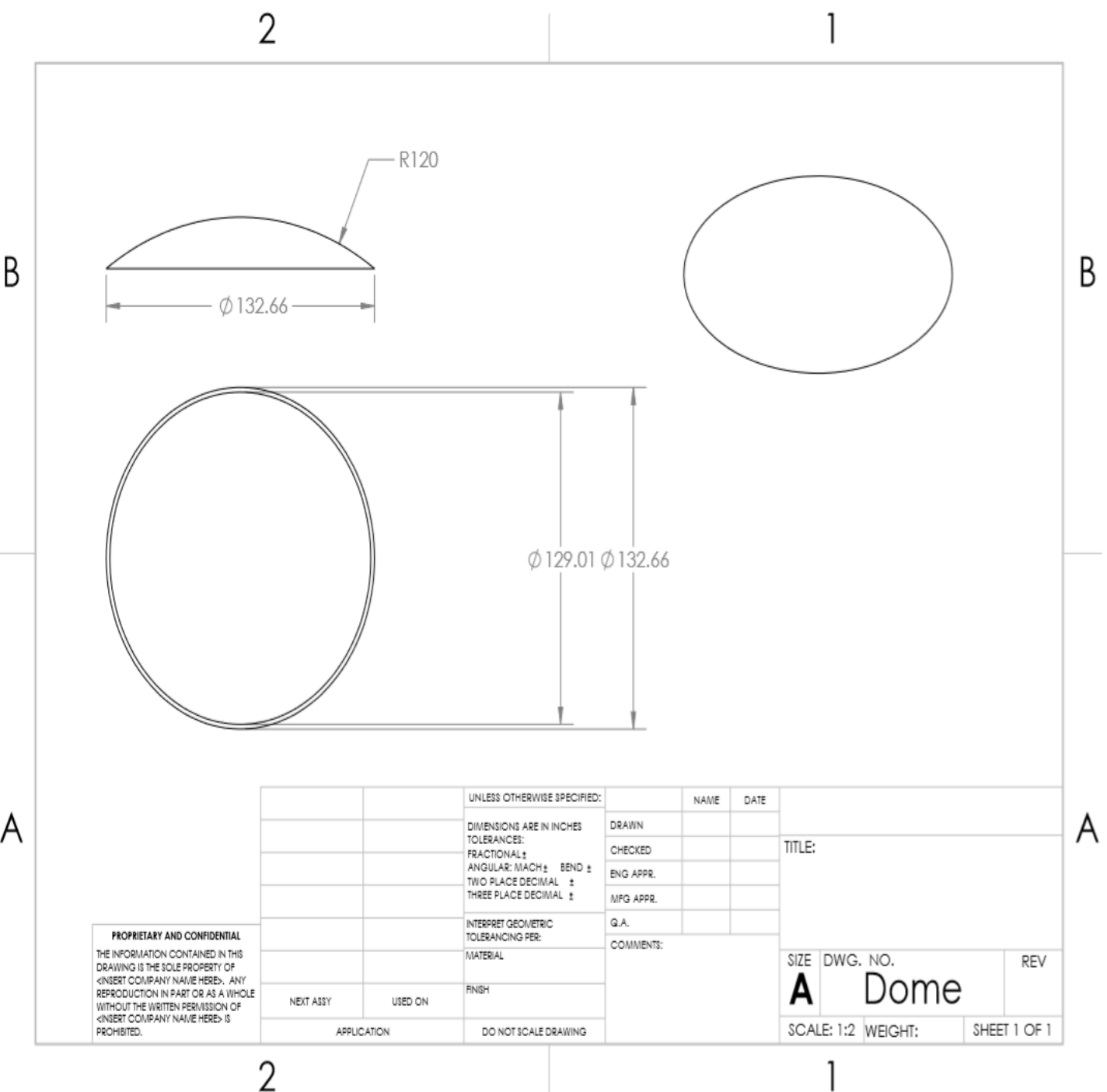
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• ***BASE PLATE***



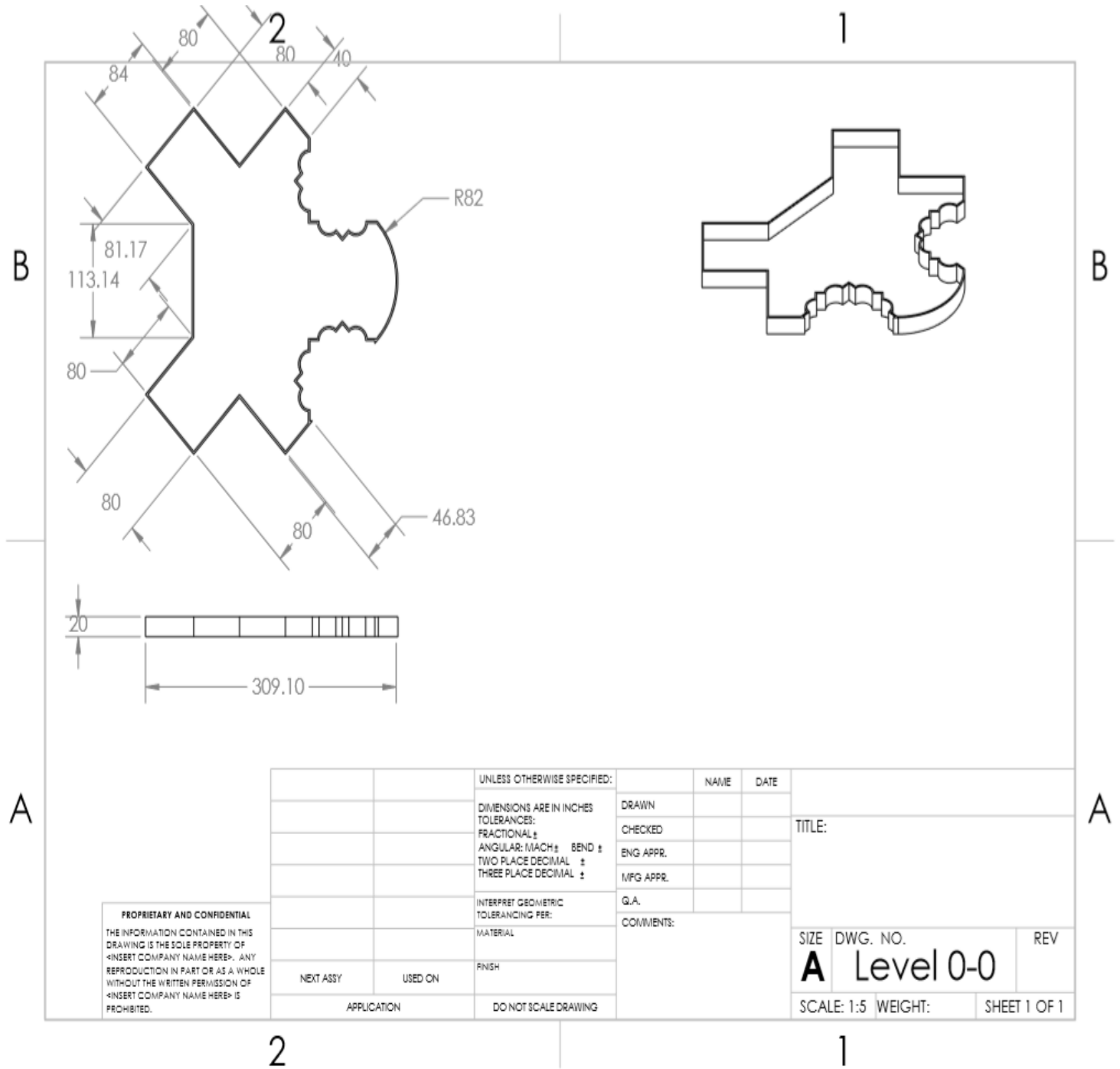
1. Material - Mild steel
2. Process - hacksaw cutting

•
• **DOME**



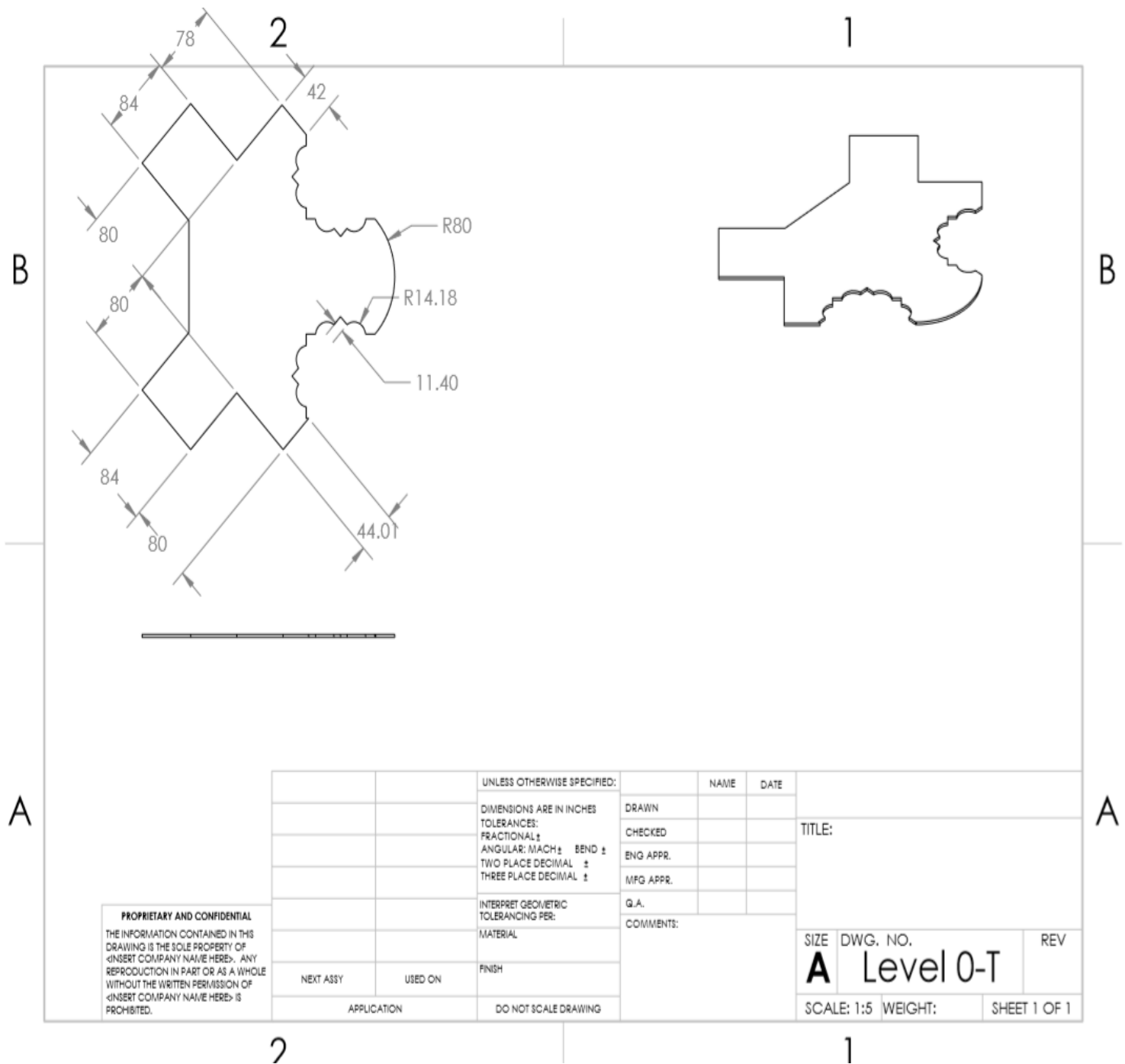
- 1. Material – galvanized iron
- 2. Process – sheet metal working

• **LEVEL 0-A.**



1. Material – galvanized iron
2. Process – sheet metal working

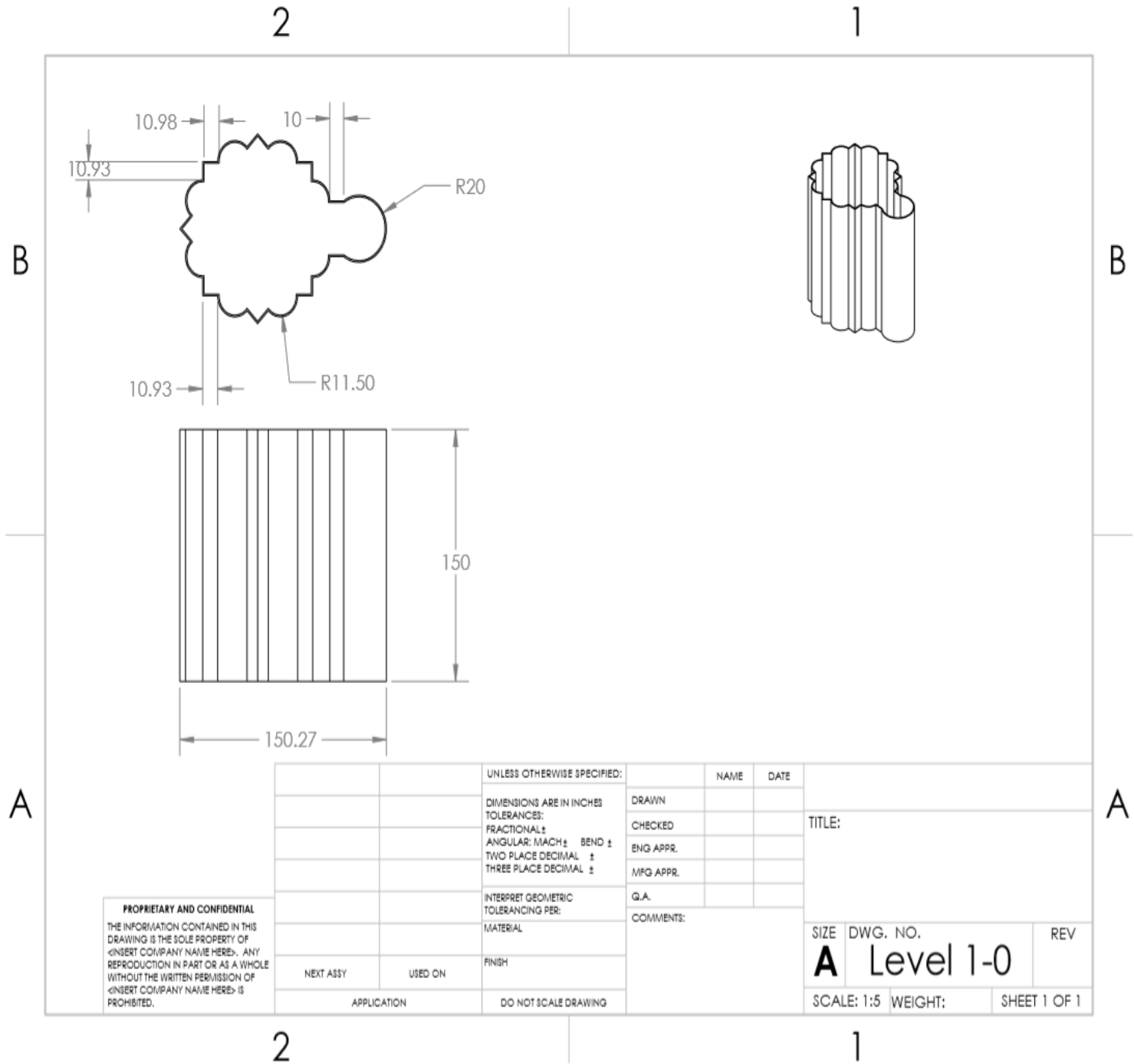
• **LEVEL 0-B:**



1. Material – galvanized iron
2. Process – sheet metal working

•

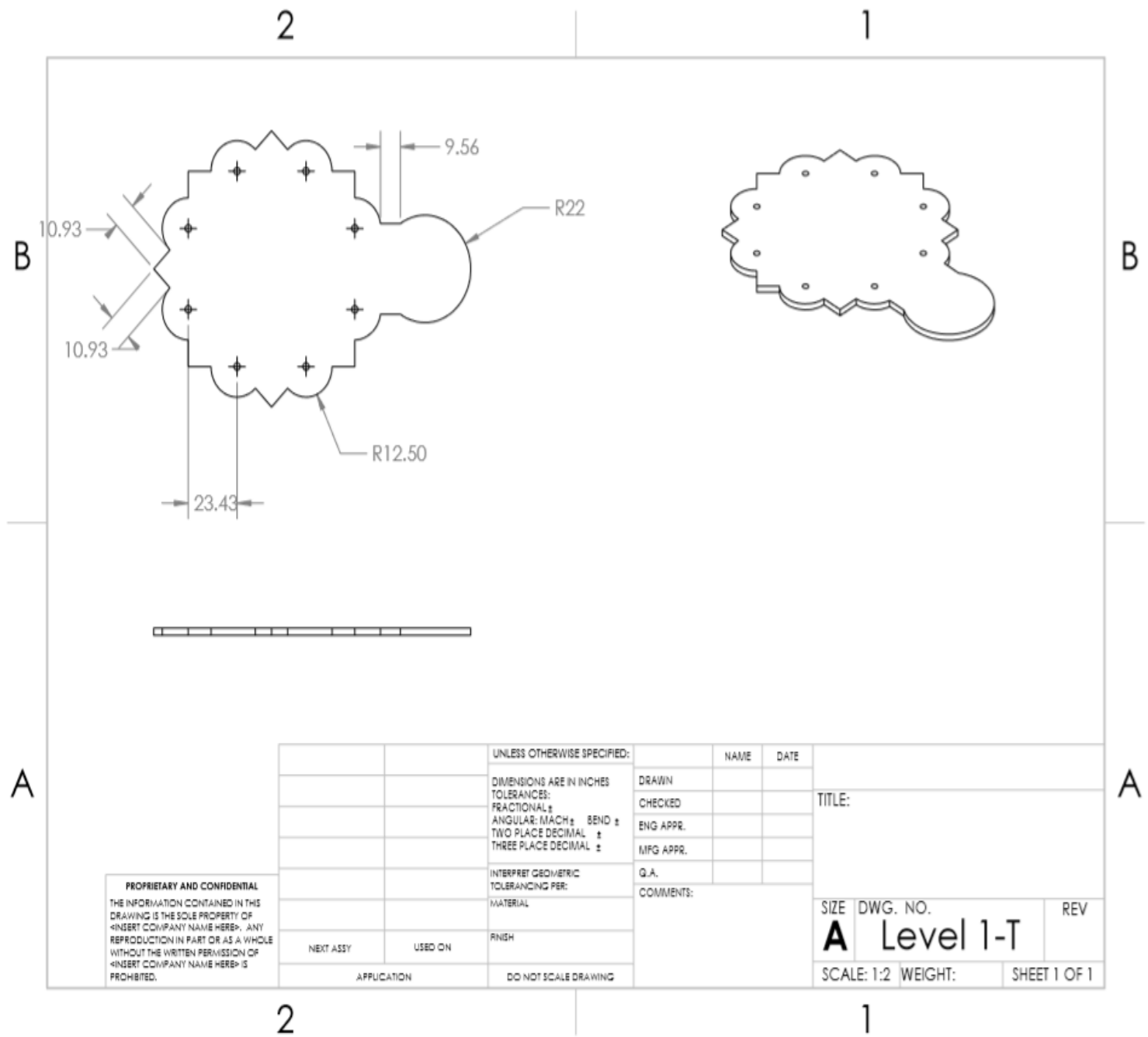
• **LEVEL 1-A:**



1. Material – aluminium
2. Process – casting and moulding

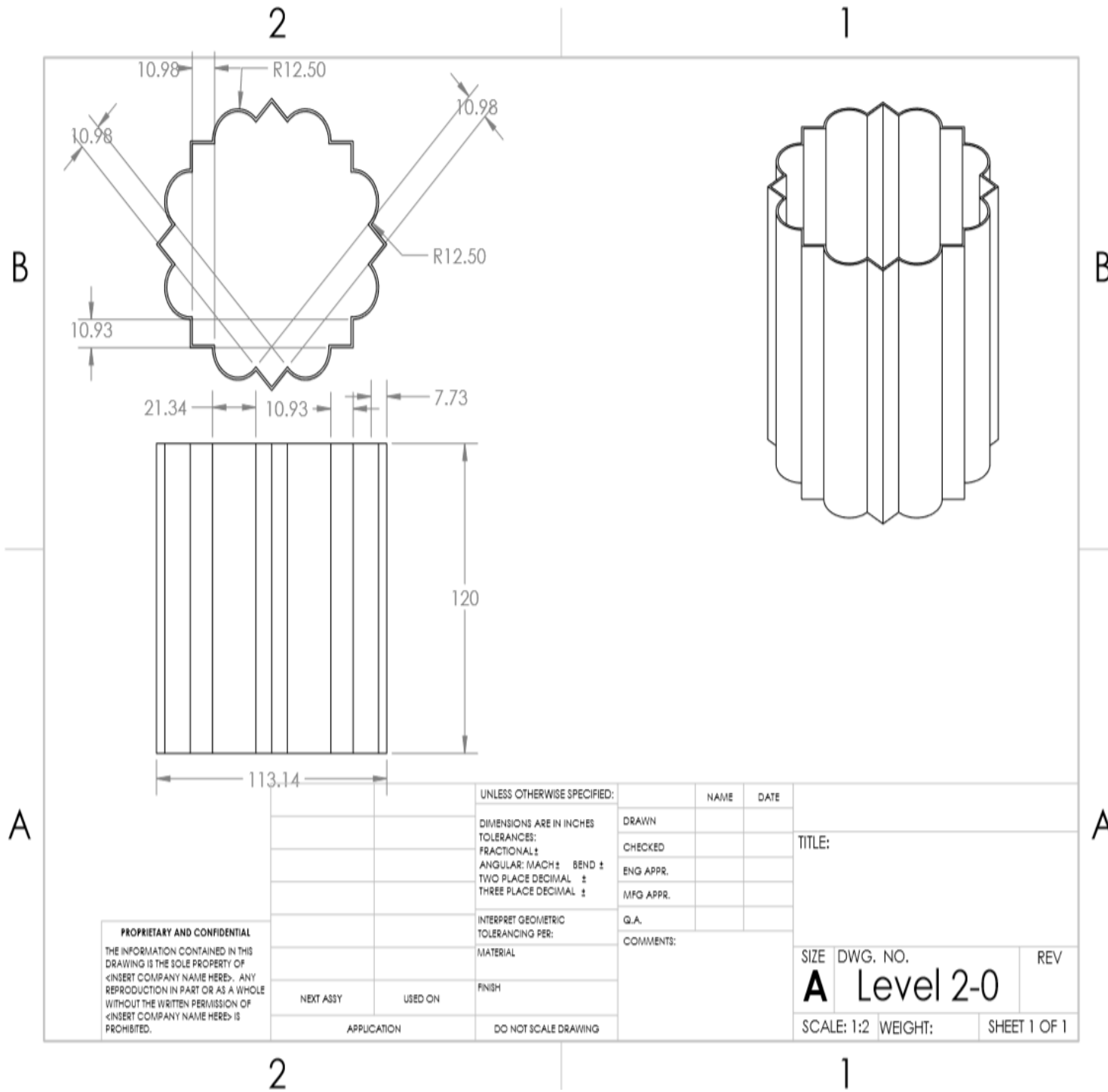
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• **LEVEL 1-B:**



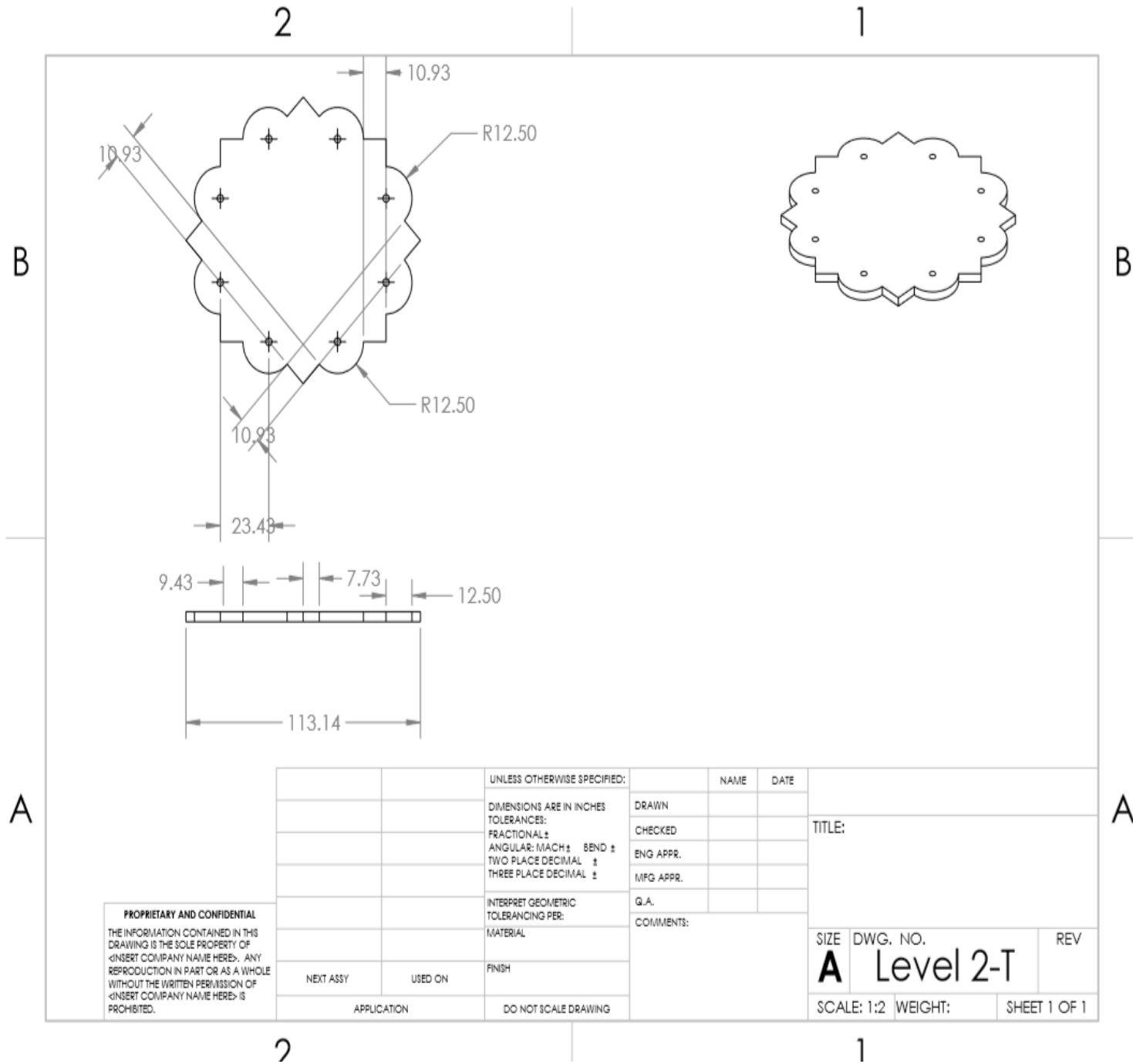
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2. Process – sheet metal working

• **LEVEL-2-A:**



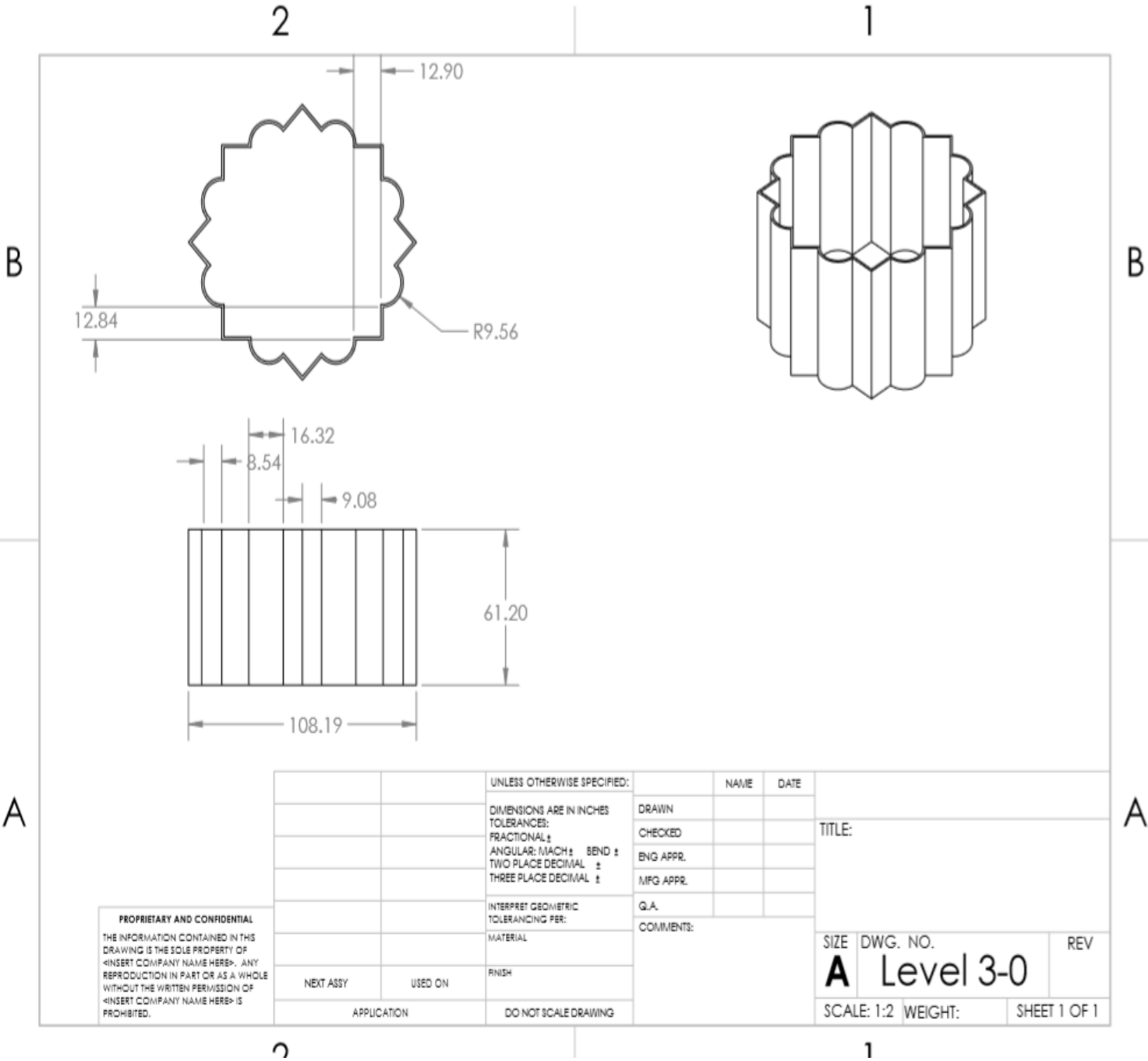
- 1. Material – aluminium
- 2. Process – casting and moulding

• **LEVEL 2-B:**



1. Material – galvanized iron
2. Process – sheet metal working

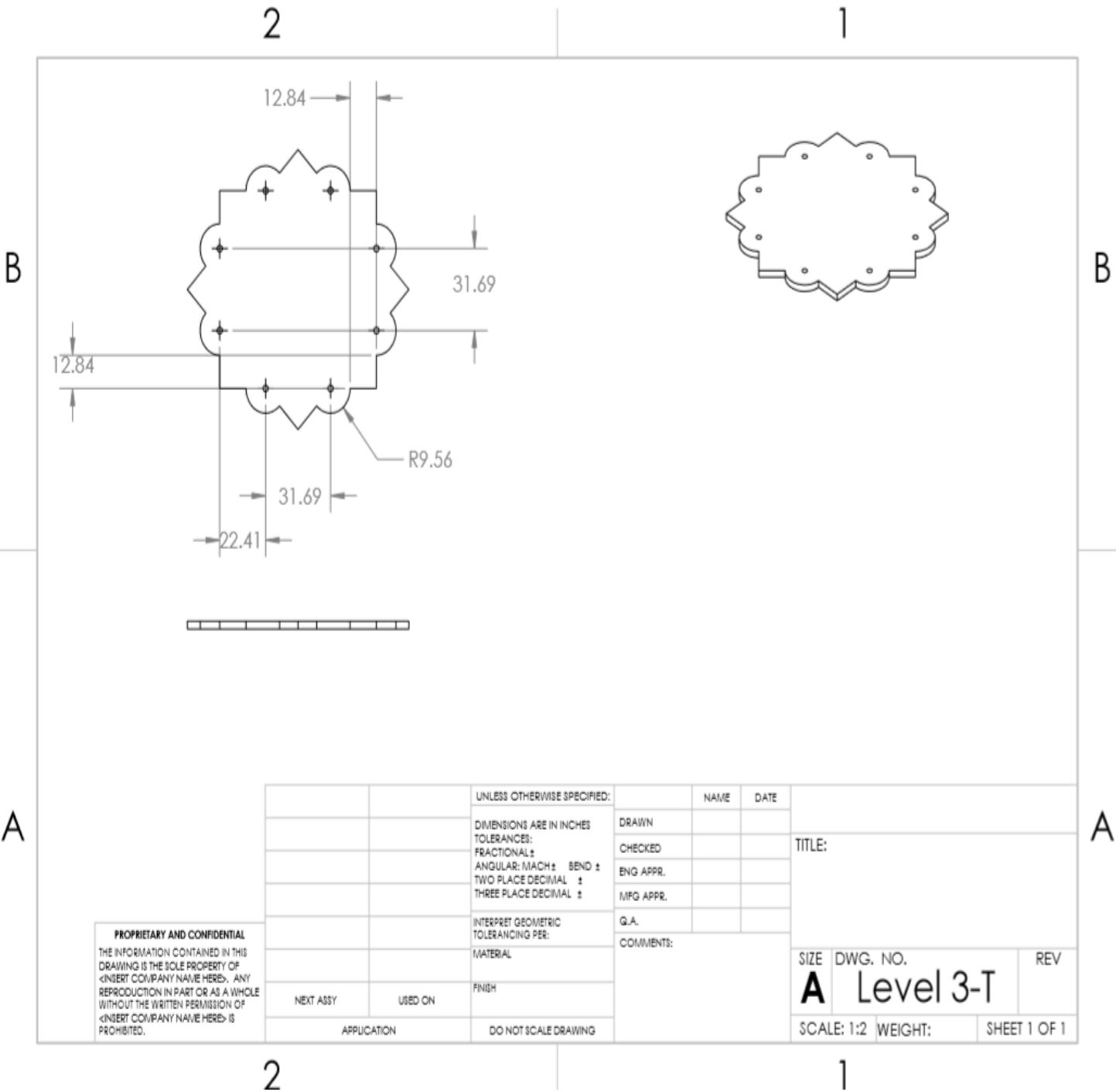
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• **LEVEL 3-A:**



1. Material – aluminium
2. Process – casting and moulding

•

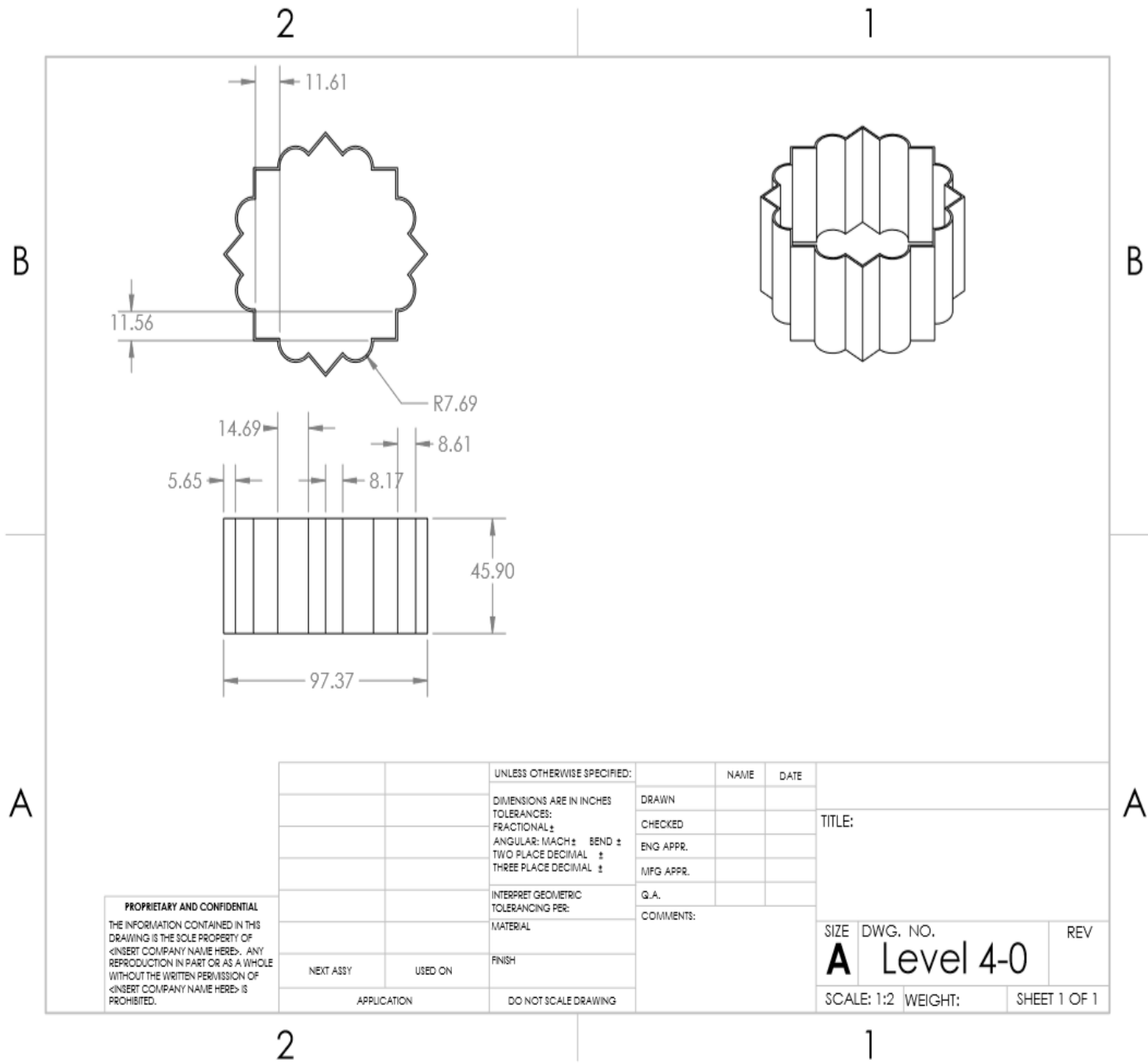
• **LEVEL 3-B:**



1. Material – galvanized iron
2. Process – sheet metal working

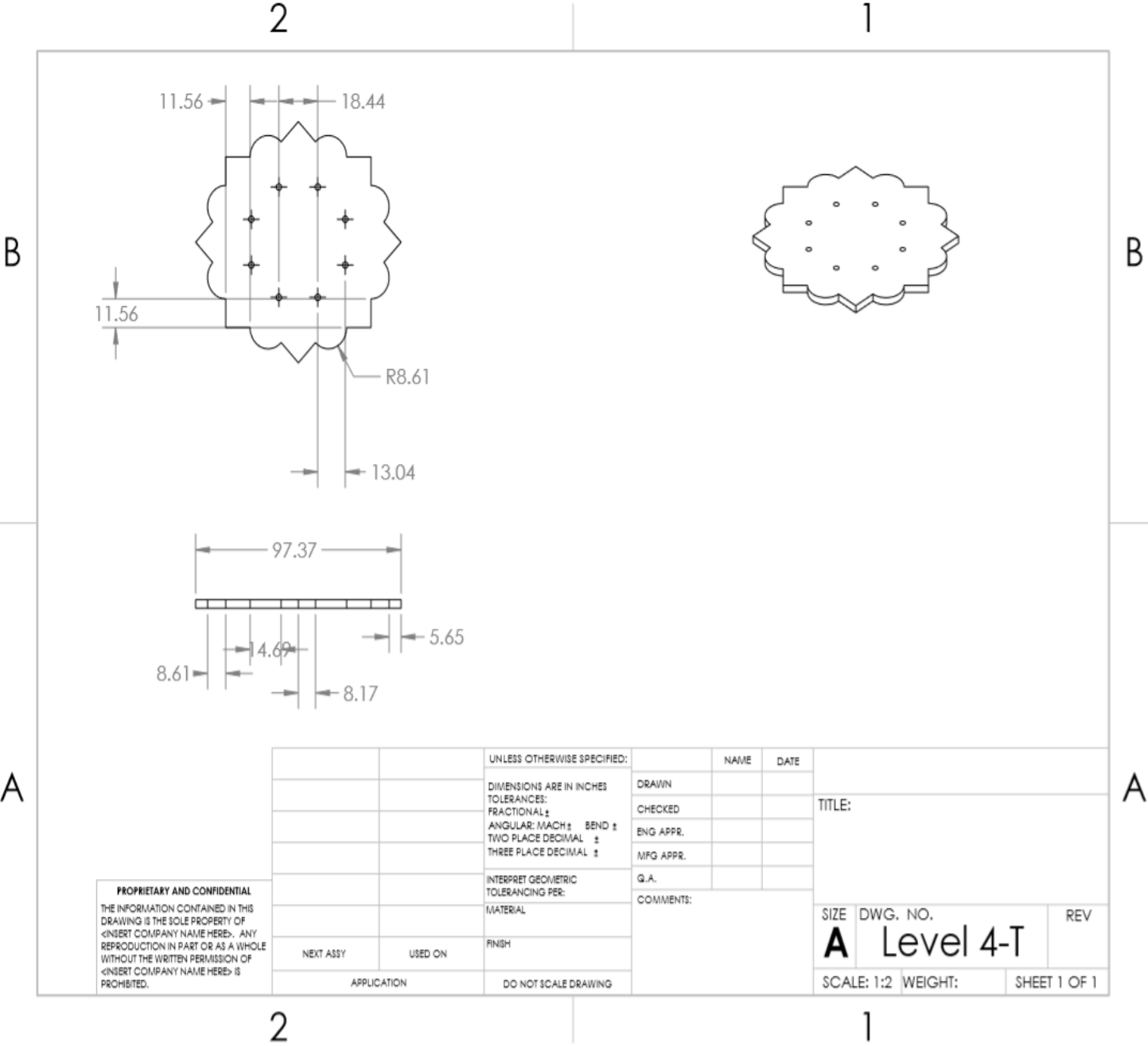
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• **LEVEL 4-A:**



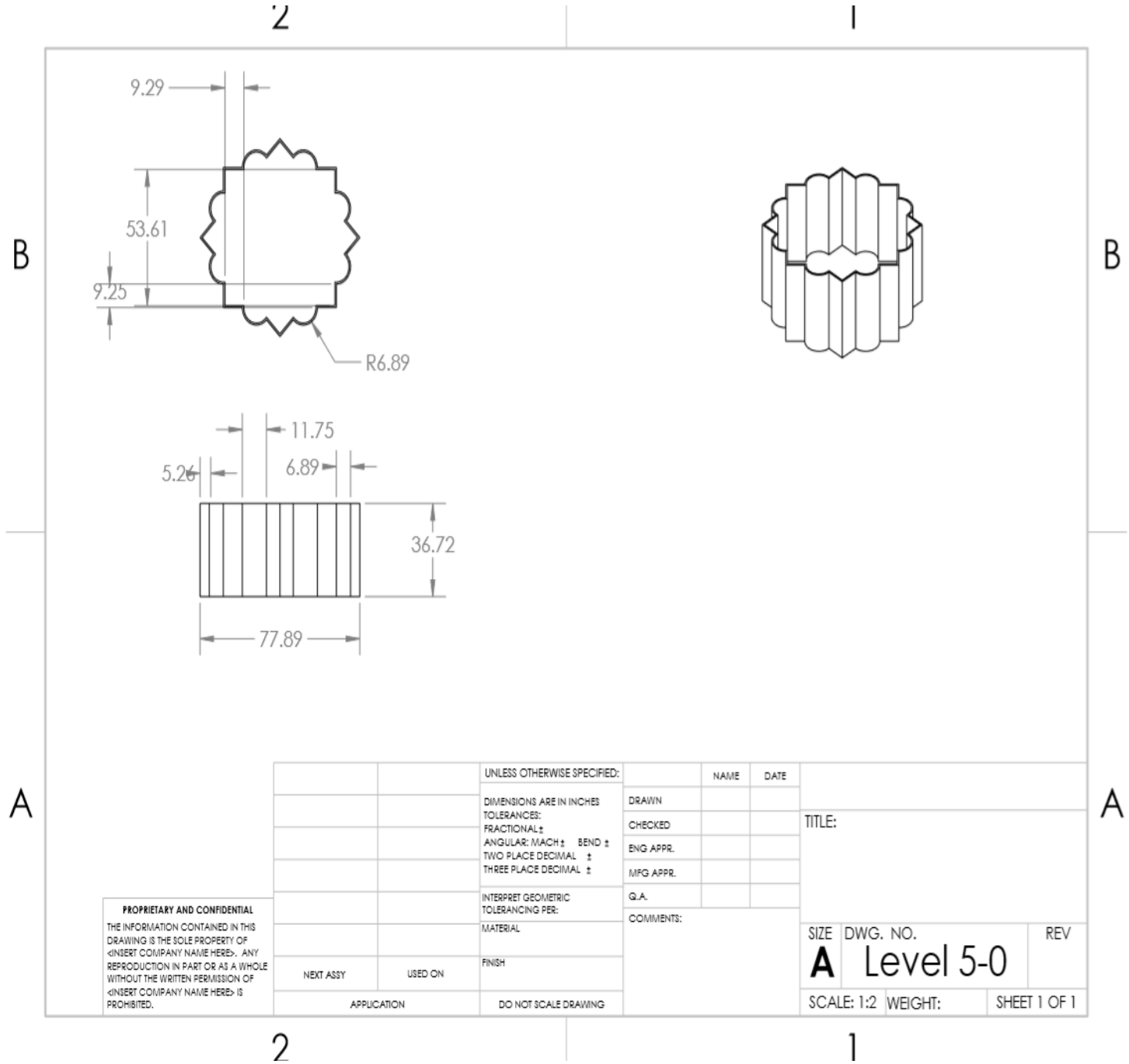
1. Material – aluminium
2. Process – casting and moulding

• **LEVEL 4-B:**



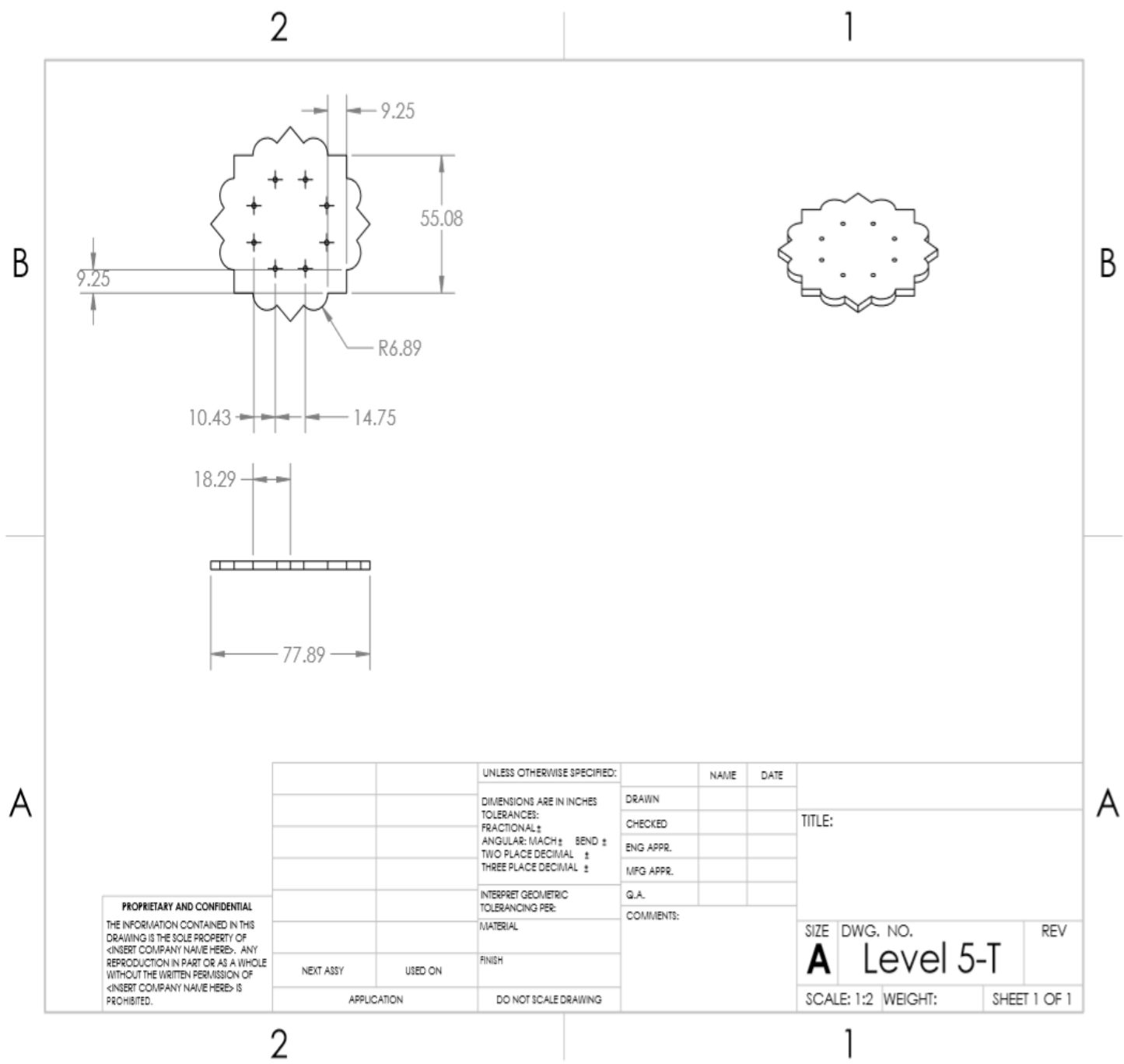
1. Material – galvanized iron
2. Process – sheet metal working

• **LEVEL 5-A:**



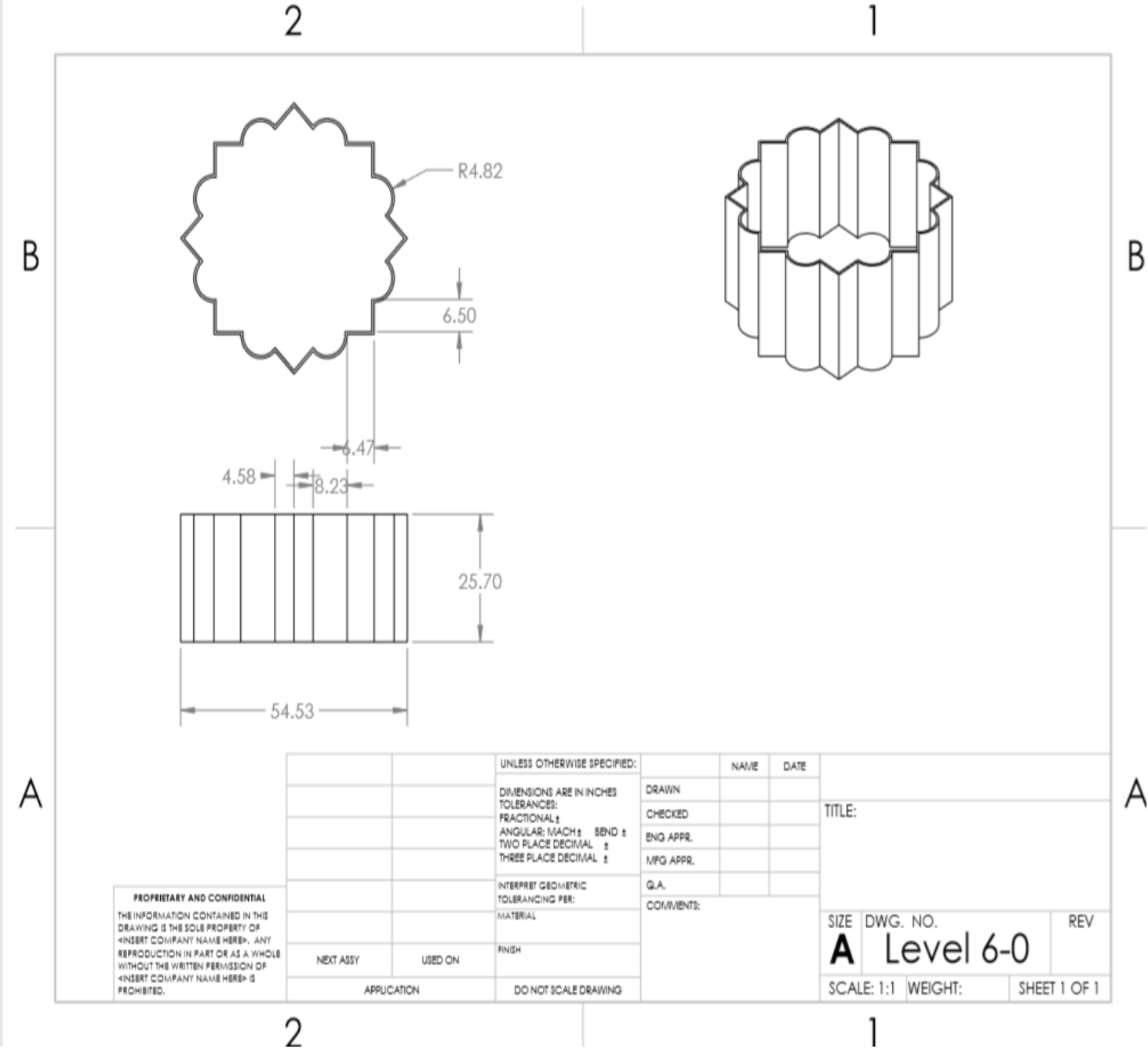
1. Material – aluminium
2. Process – casting and moulding

• **LEVEL 5-B:**



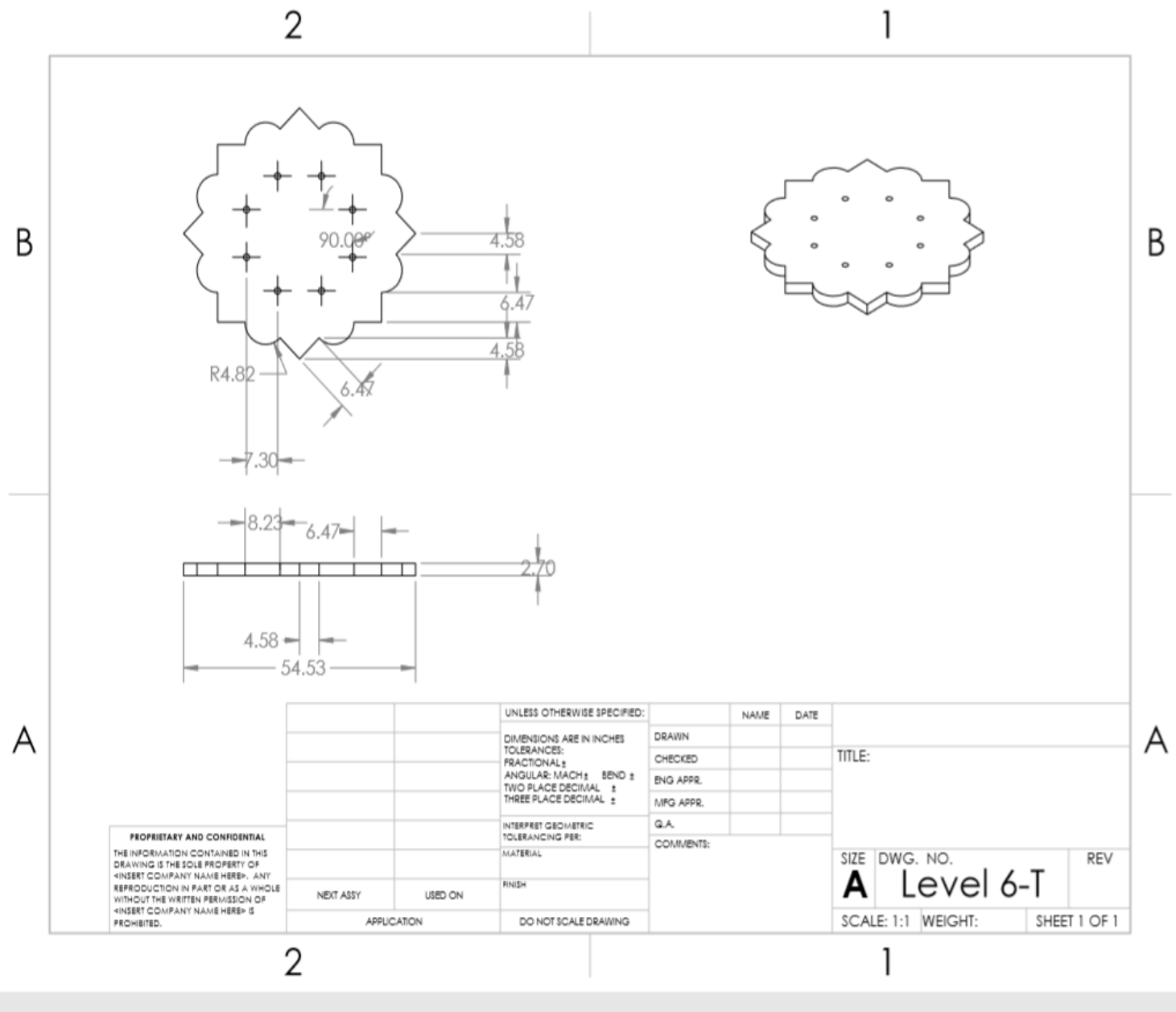
1. Material – galvanized iron
2. Process – sheet metal working

• **LEVEL 6-A:**



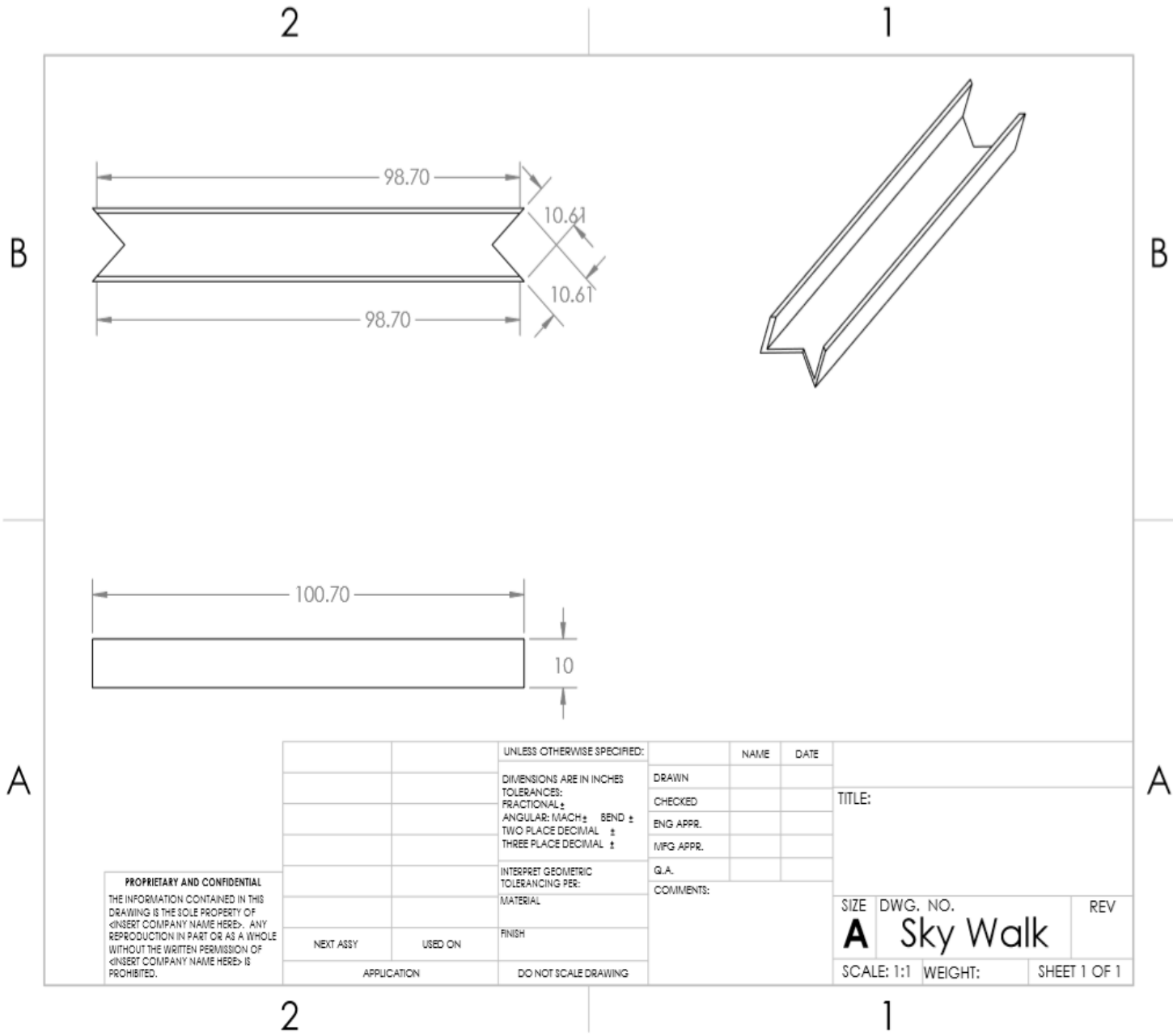
1. Material – aluminium
2. Process – casting and moulding

• **LEVEL 6-B:**



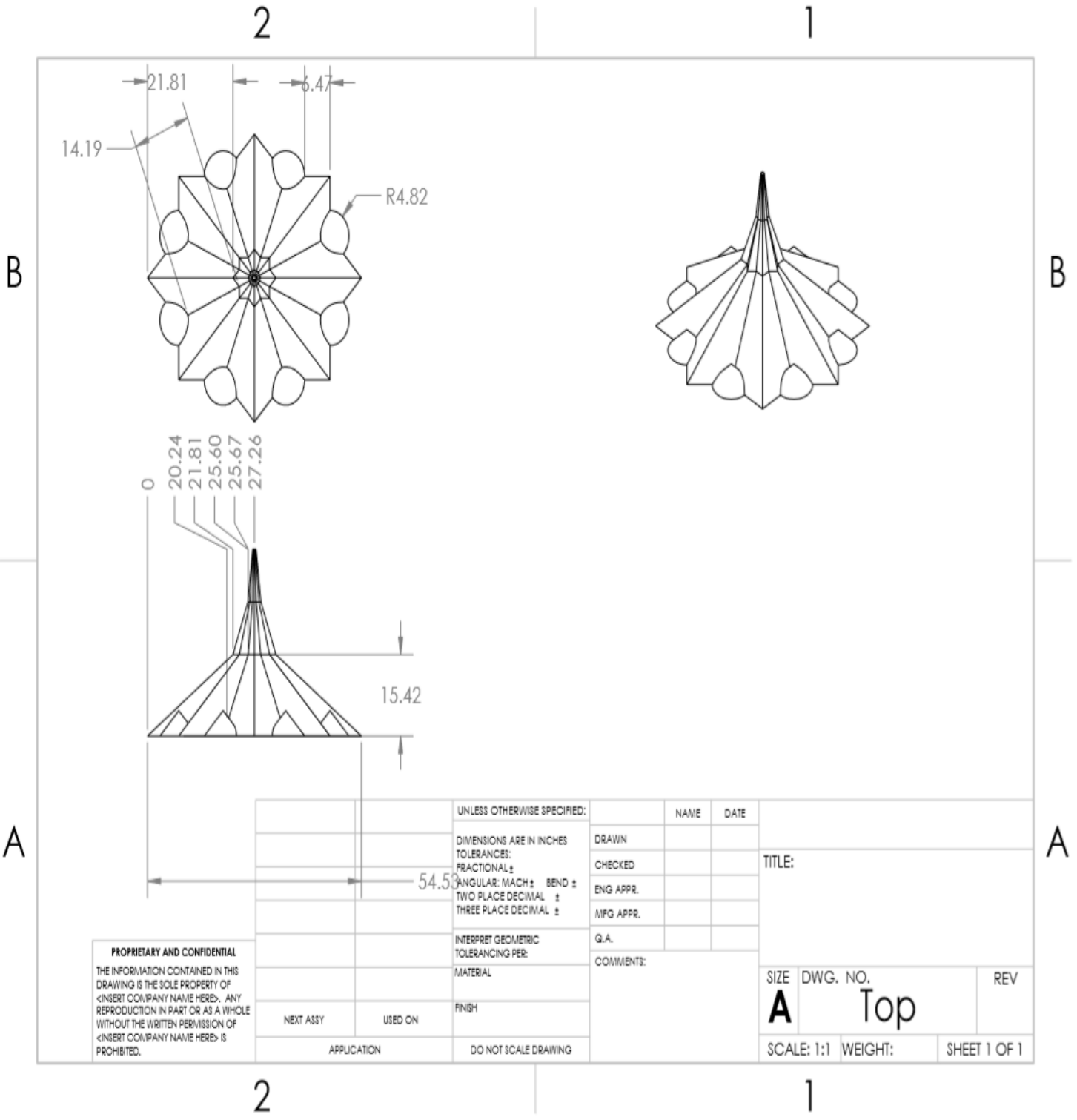
1. Material – galvanized iron
2. Process – sheet metal working

• SKY WALK:



1. Material – galvanized iron
2. Process – sheet metal working

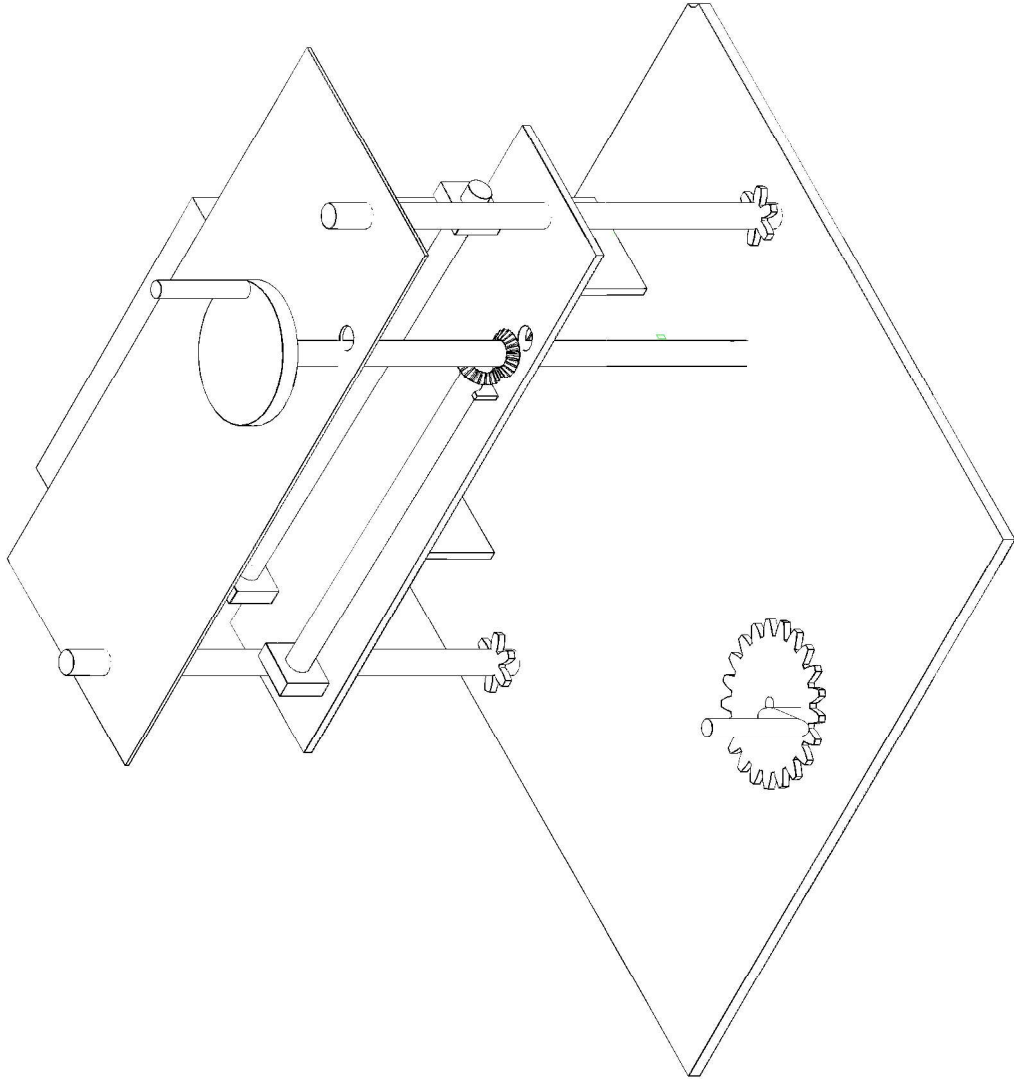
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• **TOP**



•



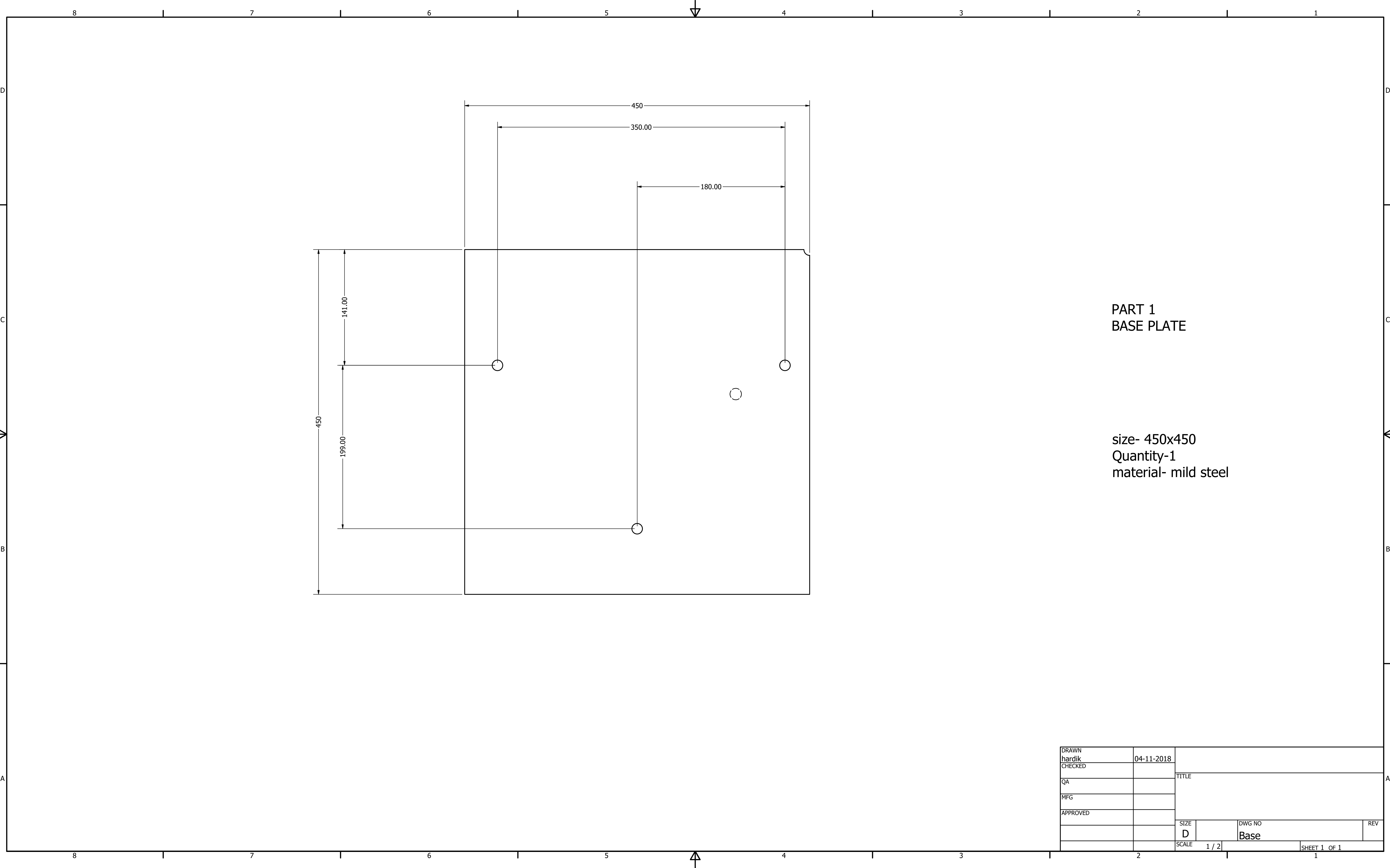
TITLE	
PART NO	@final assembly
REVISION	
DESIGNER	abhij
ENGINEER	
NOTES	

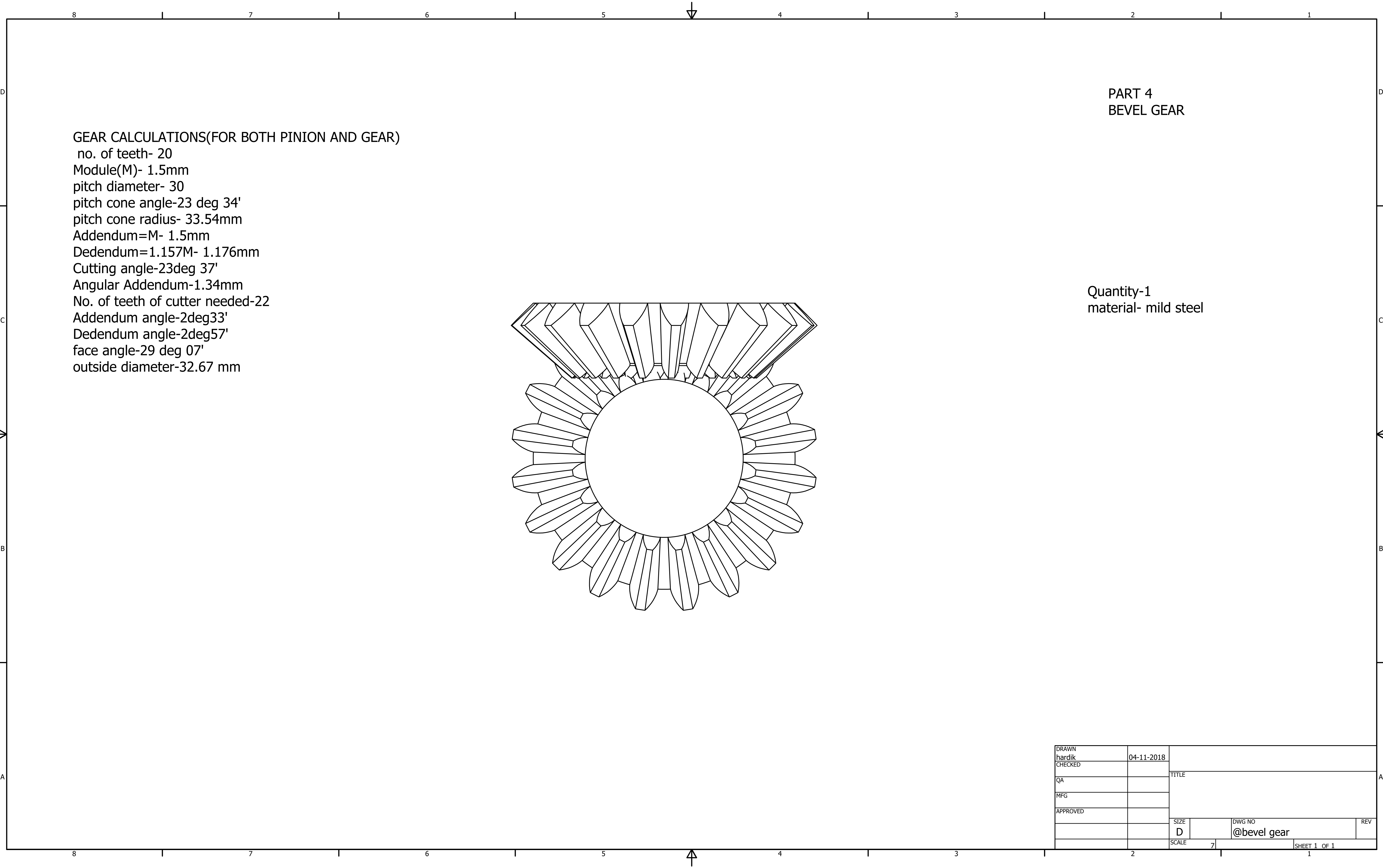


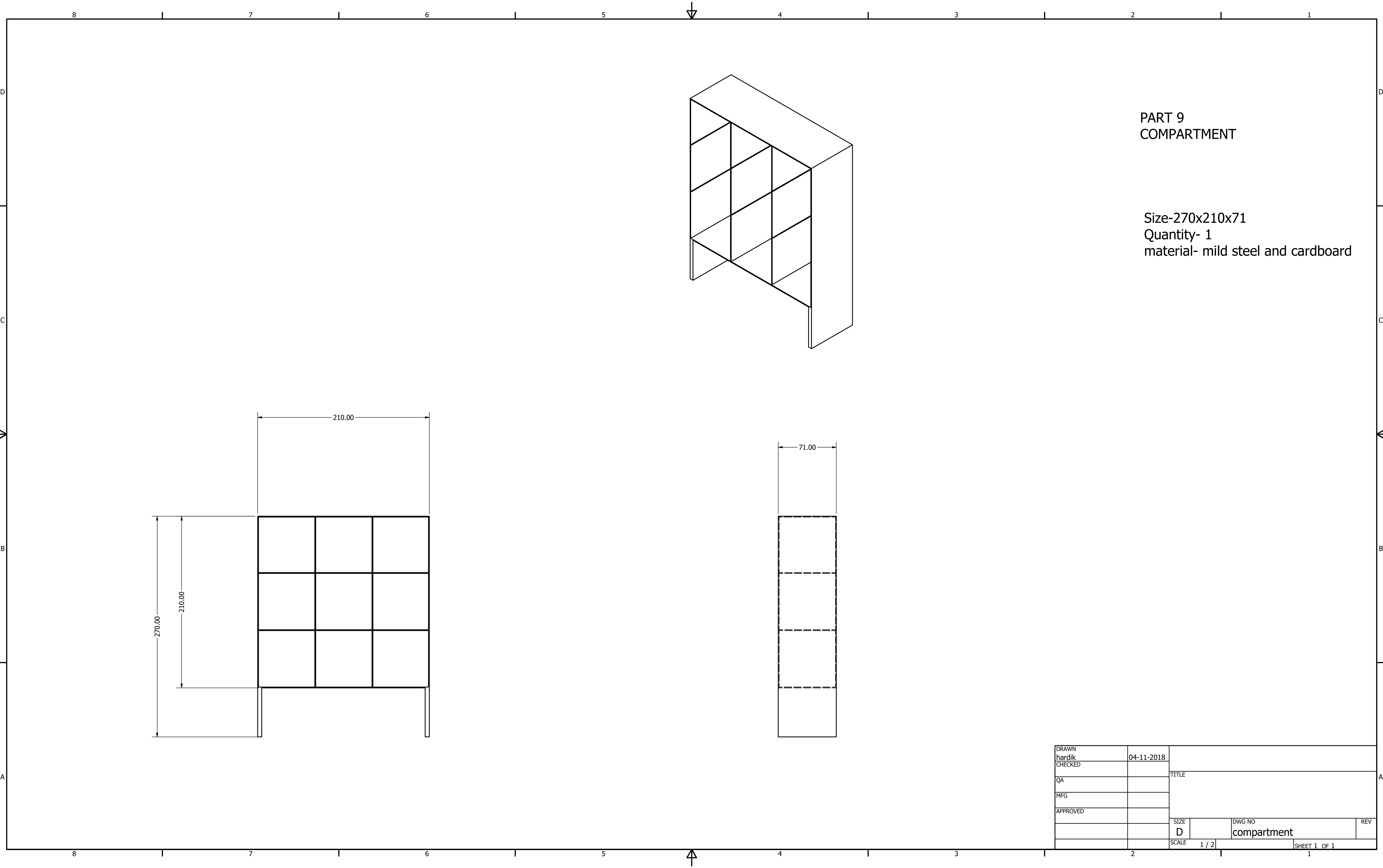


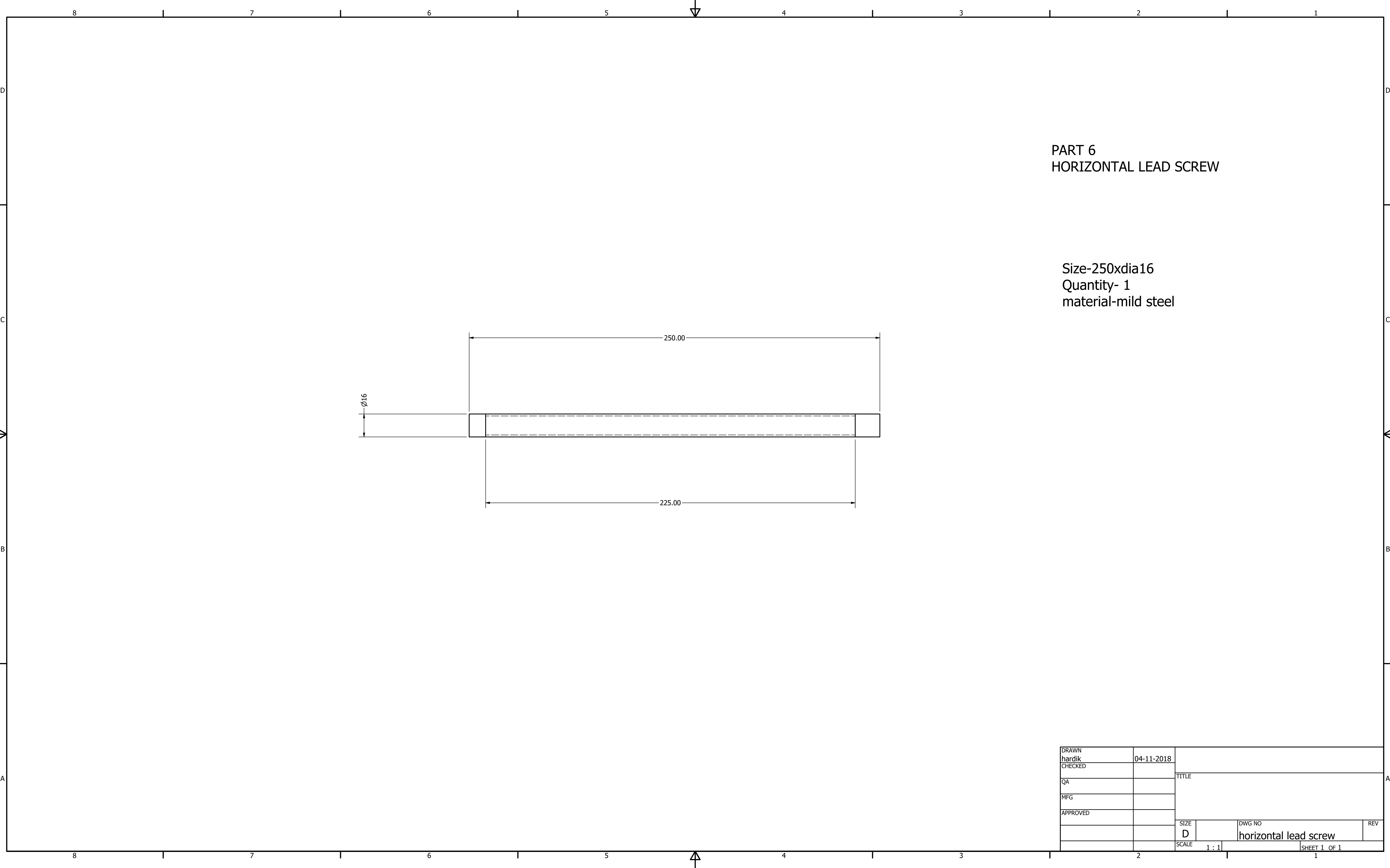
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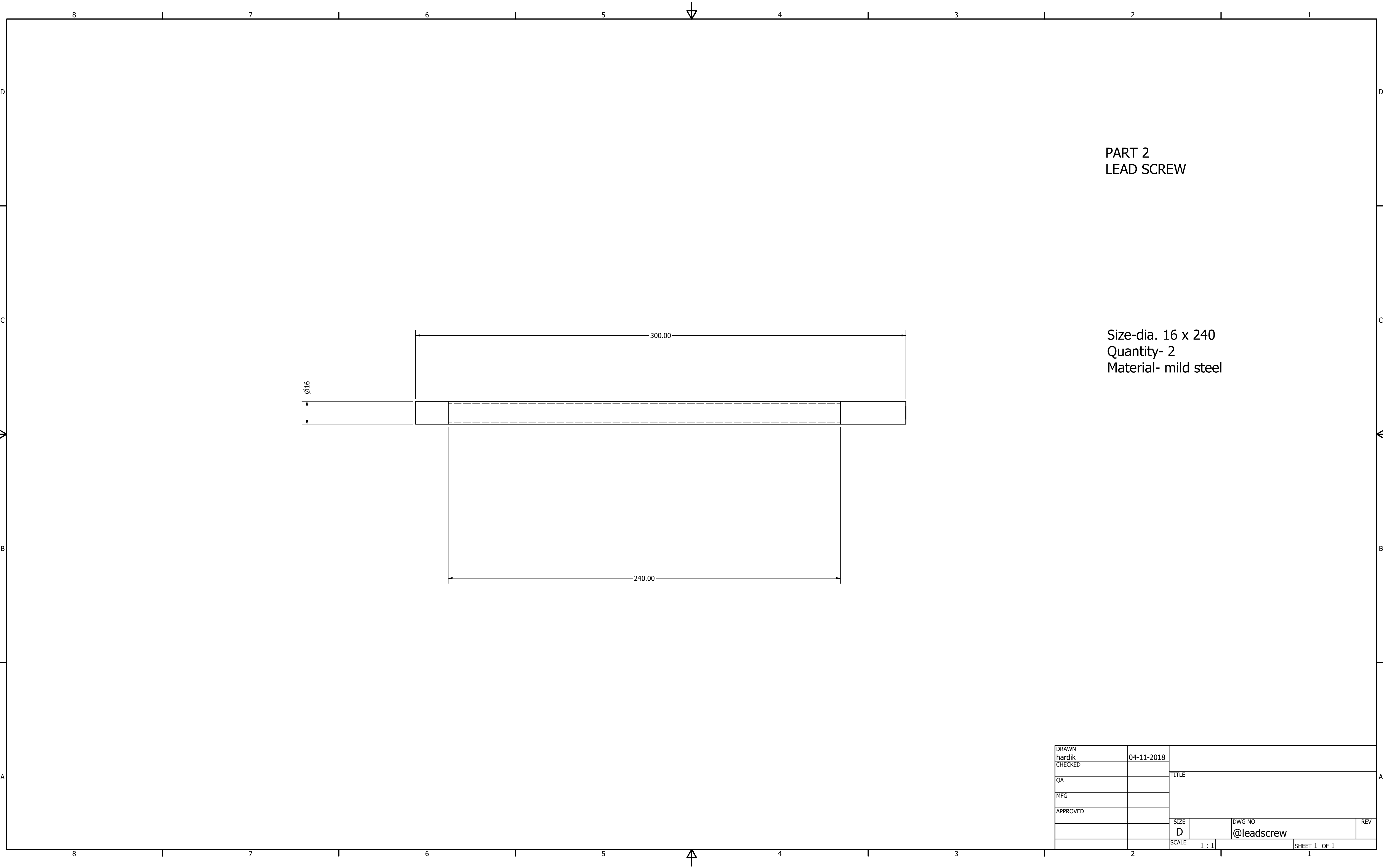
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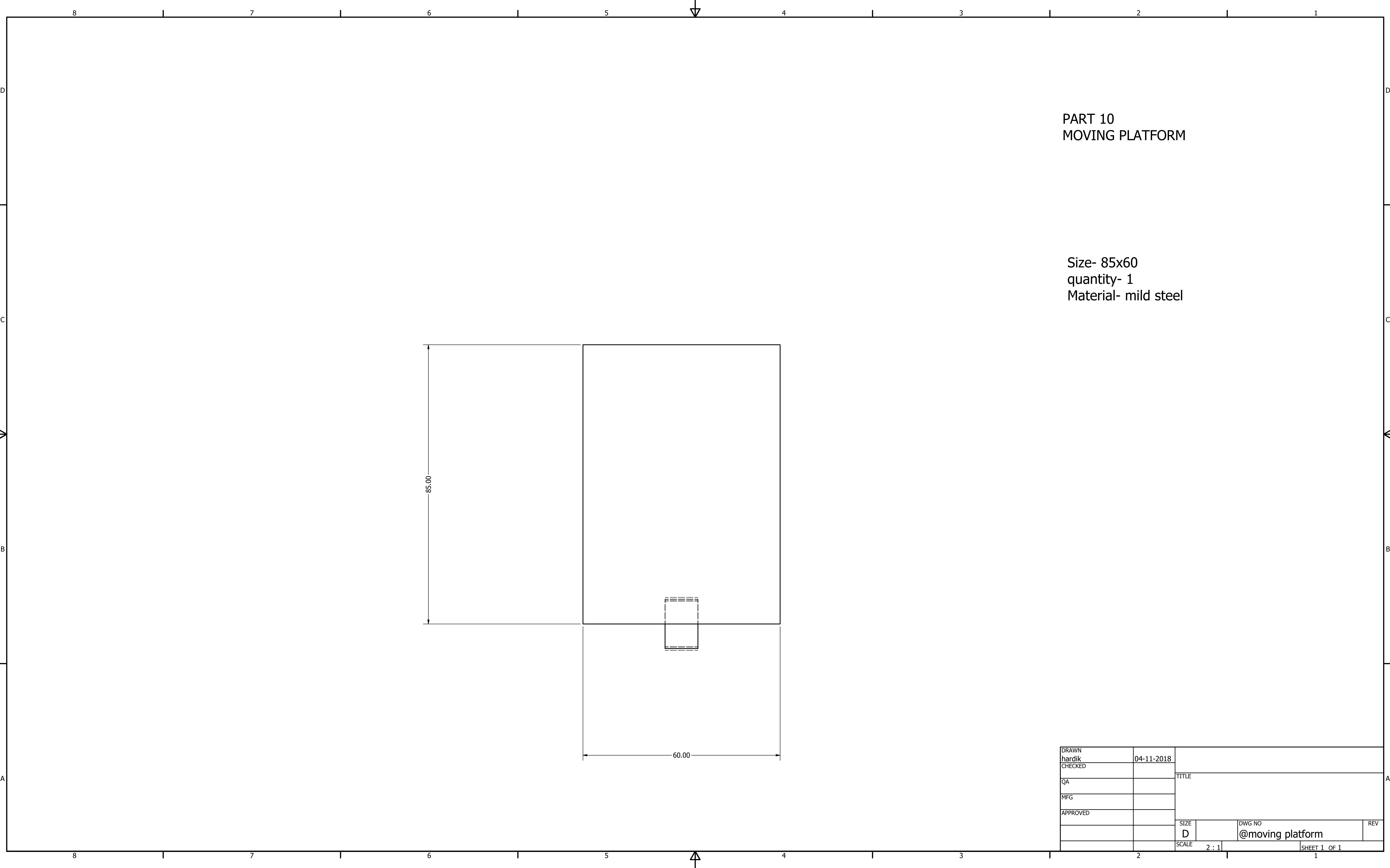


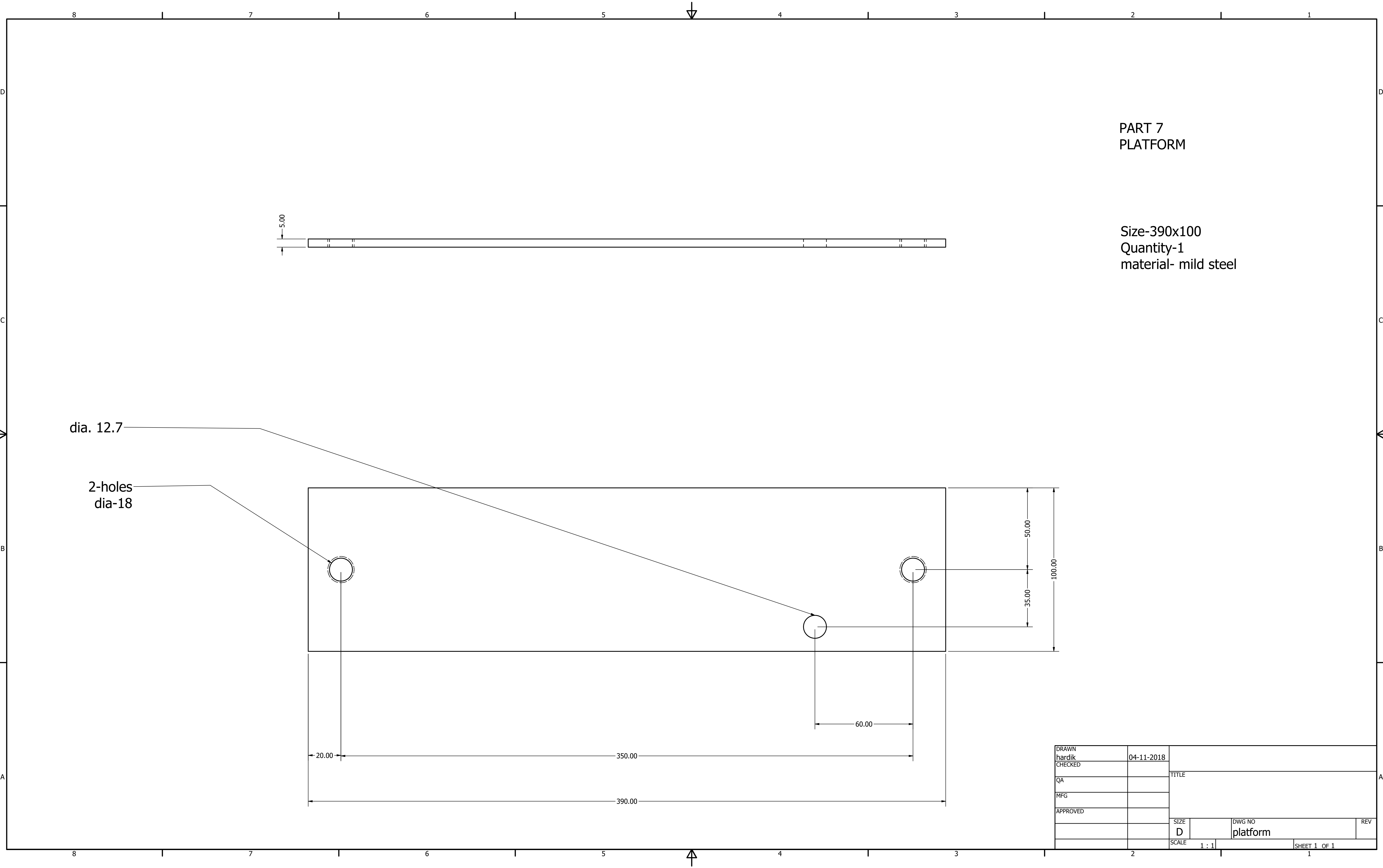




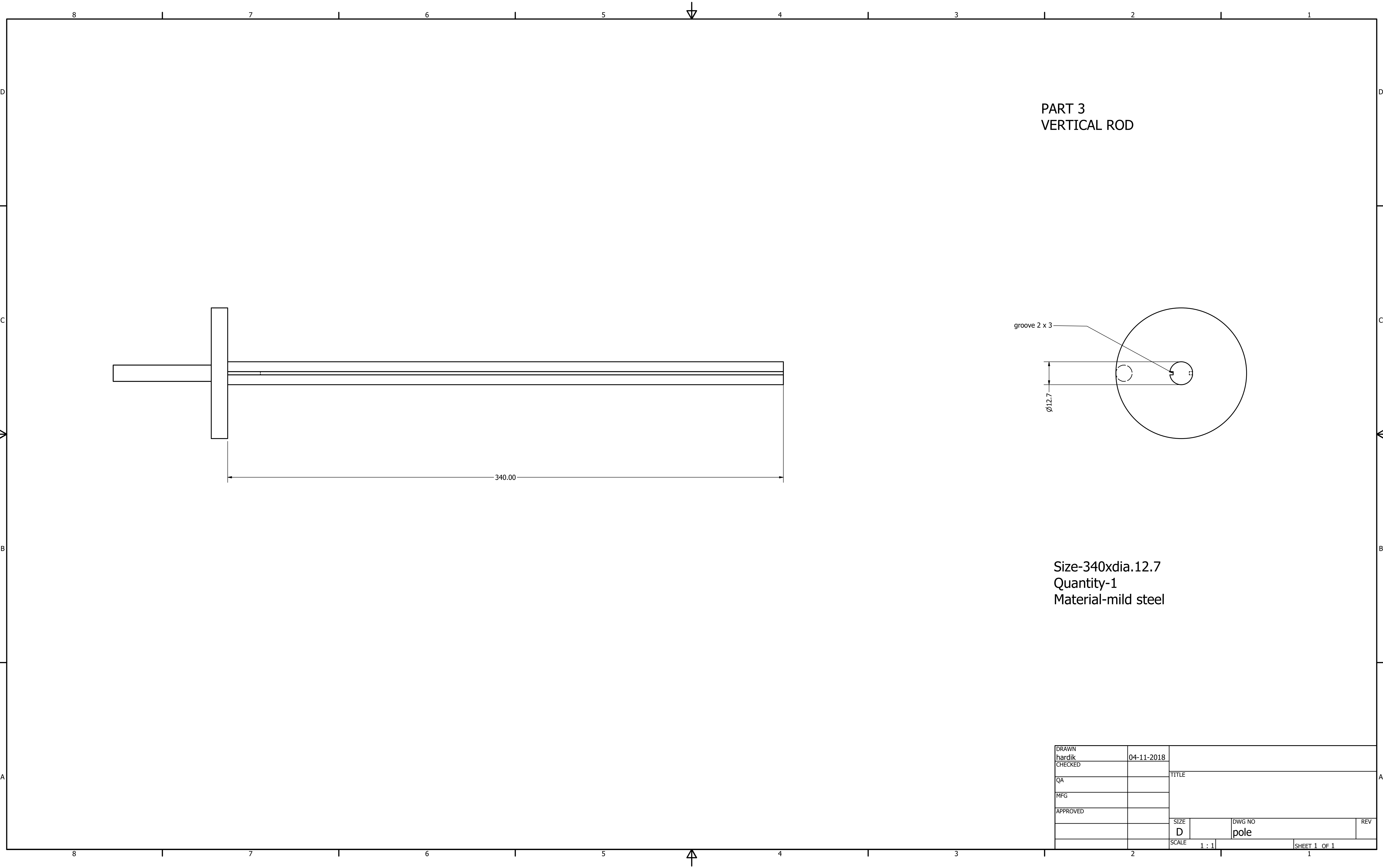


DRAWN	hardik	04-11-2018	TITLE		
CHECKED					
QA					
MFG					
APPROVED			DWG NO @leadscrew		
			SCALE	1 : 1	SHEET 1 OF 1





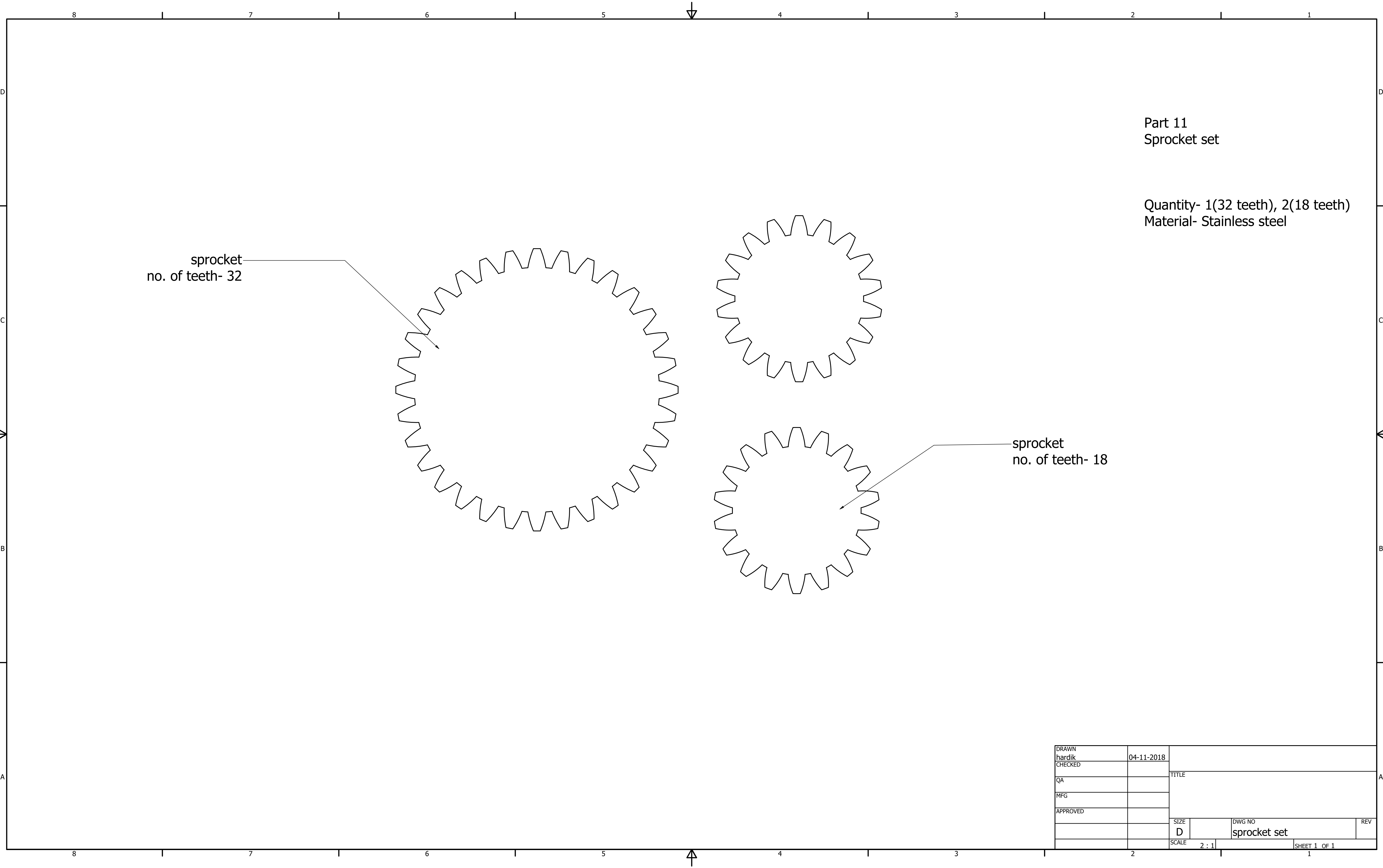
DRAWN	hardik	04-11-2018	TITLE		
CHECKED					
QA					
MFG					
APPROVED			DWG NO		
			SCALE	1 : 1	SHEET 1 OF 1



PART 3
VERTICAL ROD

Size-340xdia.12.7
Quantity-1
Material-mild steel

DRAWN hardik	04-11-2018	TITLE		
CHECKED				
QA				
MFG				
APPROVED		DWG NO		
		SIZE D	pole	REV
		SCALE 1 : 1	SHEET 1 OF 1	



Part 11
Sprocket set

Quantity- 1(32 teeth), 2(18 teeth)
Material- Stainless steel

sprocket
no. of teeth- 32

sprocket
no. of teeth- 18

DRAWN hardik	04-11-2018	TITLE		
CHECKED				
QA				
MFG				
APPROVED		DWG NO sprocket set		
		SIZE D	REV	
		SCALE 2 : 1	SHEET 1 OF 1	

