

Design For Manufacturing

Smart Manual Cart



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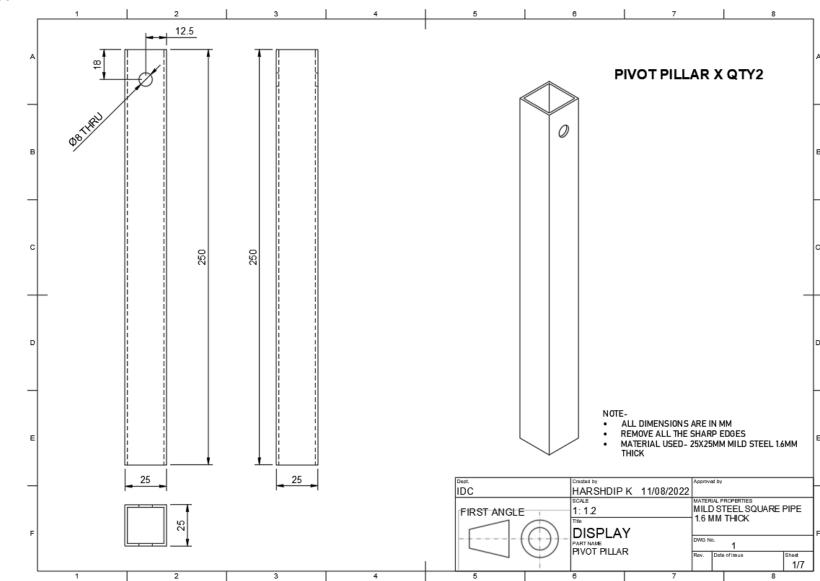
1. Display

a. Pivot Pillar 1

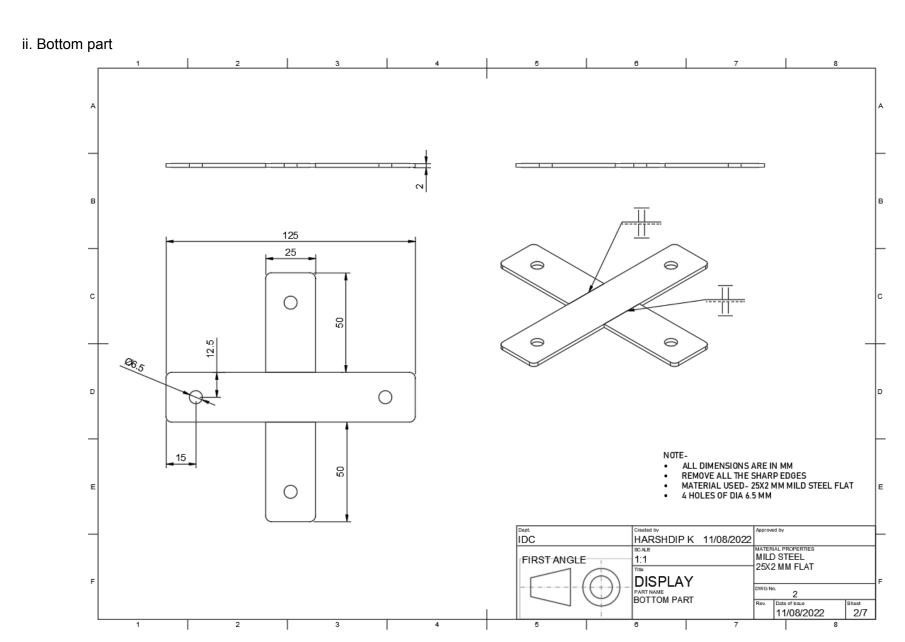
PART NAME	MATERIAL	CROSS SECTIONS	THICKNESS	QUANTITY	COLOUR CODE
Pillar pipe	MS	Pipe(25x25)	1.6 mm	2	
Bottom Part	MS	Flat(25x2)	2mm	1	RAL2000
Flat of pillar 2	MS	Flat(25x2)	2mm	1	
Bent bar	MS	Rod 8mm	8mm	2	



i. Pillar pipe

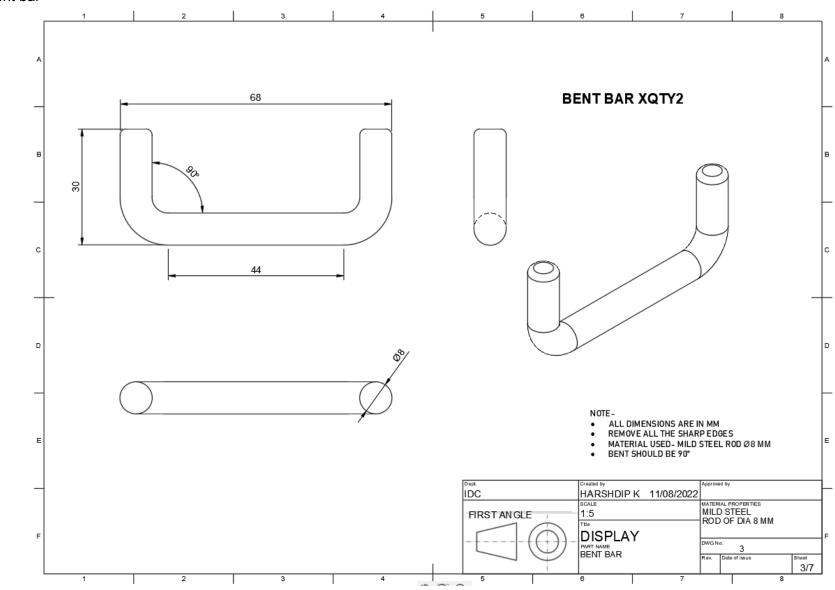
















Process of insertion of Bent rod

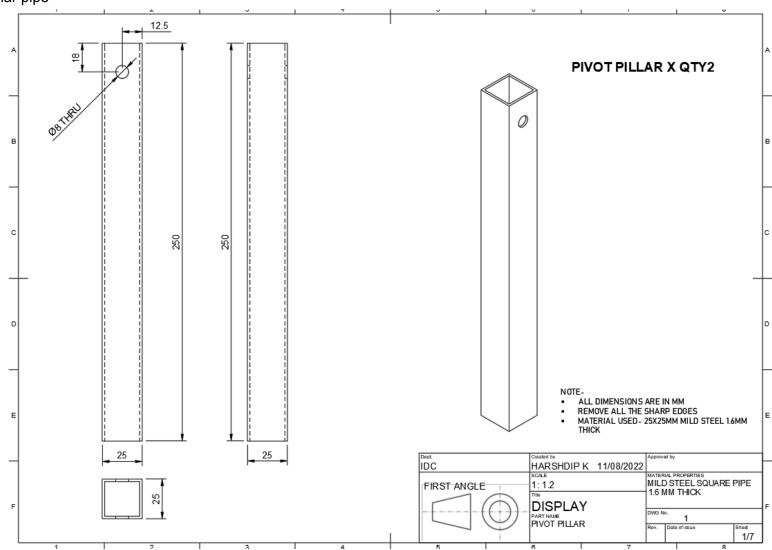


iv. Pillar Assembly PILLAR PIPE BENT BAR 0 ALL DIMENSIONS ARE IN MM REMOVE ALL THE SHARP EDGES REFERE THE DRAWING OF EACH PARTS FOR **BOTTOM PART** 0 0 Dept. Created by HARSHDIP K 11/08/2022 0 MATERIAL PROPERTIES MILD STEEL SQUARE PIPE 1.6 MM THICK MS FLAT, MS ROD FIRST ANGLE 1: 1.7 0 DISPLAY PART NAME PIVOT PILLAR Date of Issue 5hast 4/7 11/08/2022

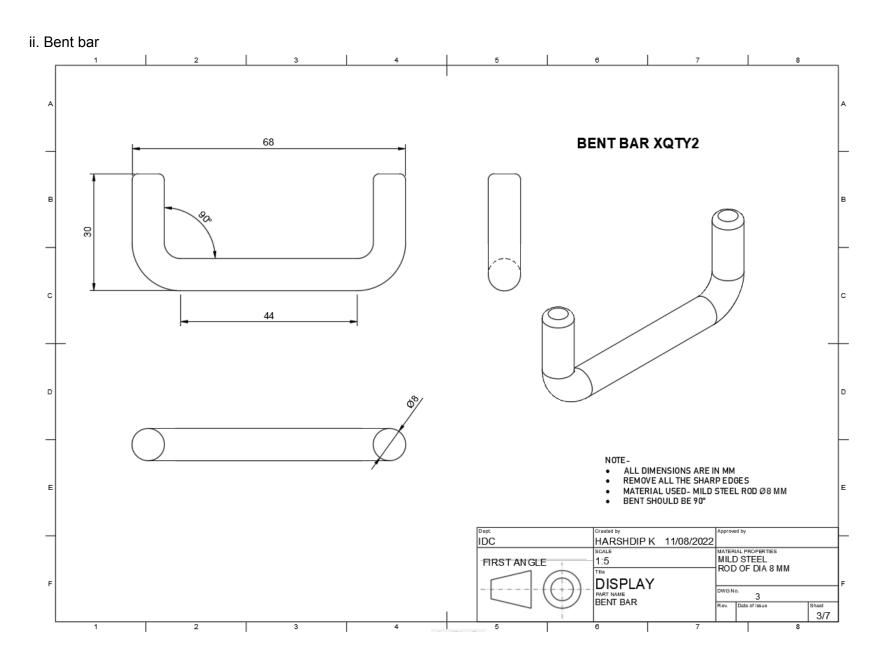


b. Pivot Pillar 2

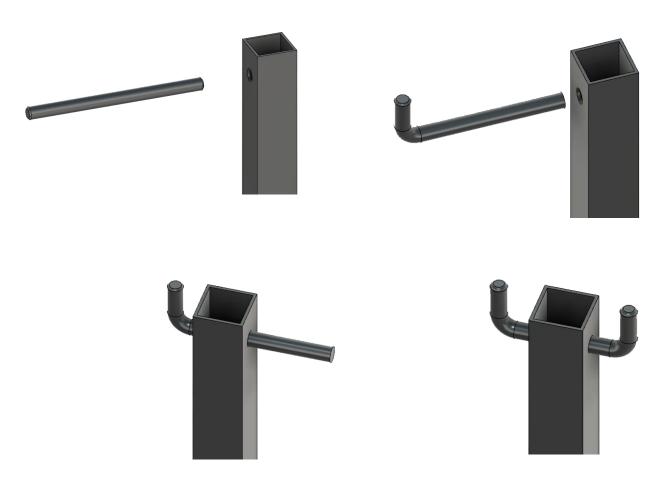
i. Pillar pipe





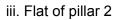


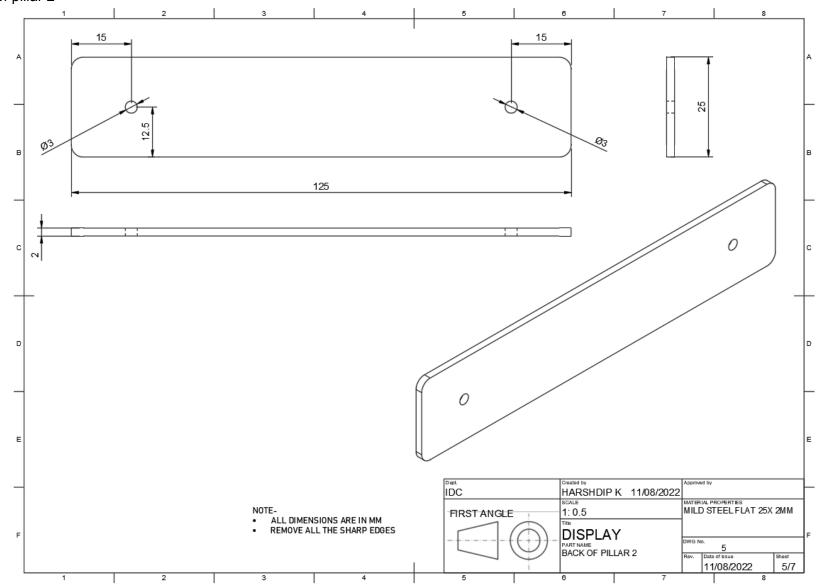




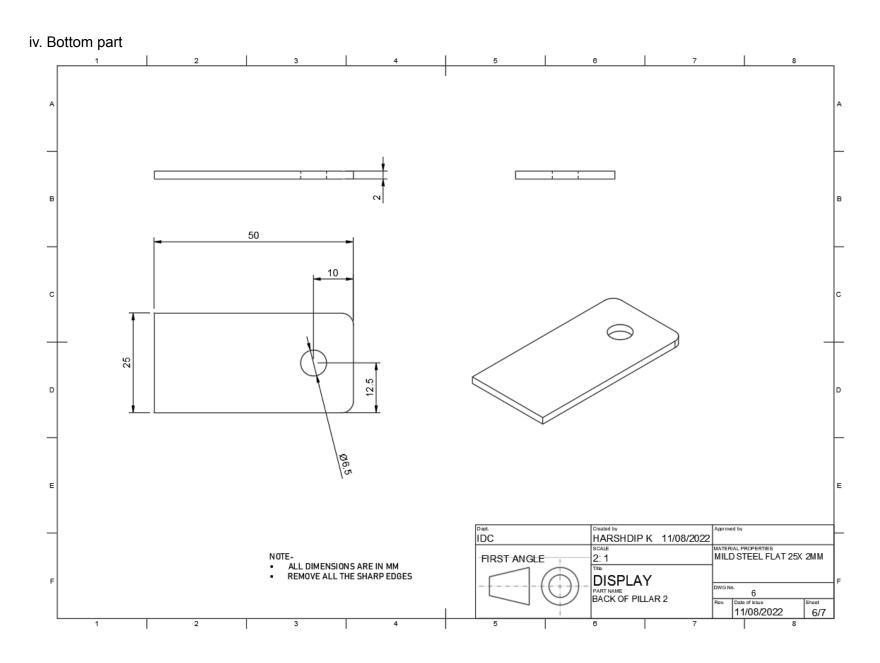
Process of insertion of Bent rod



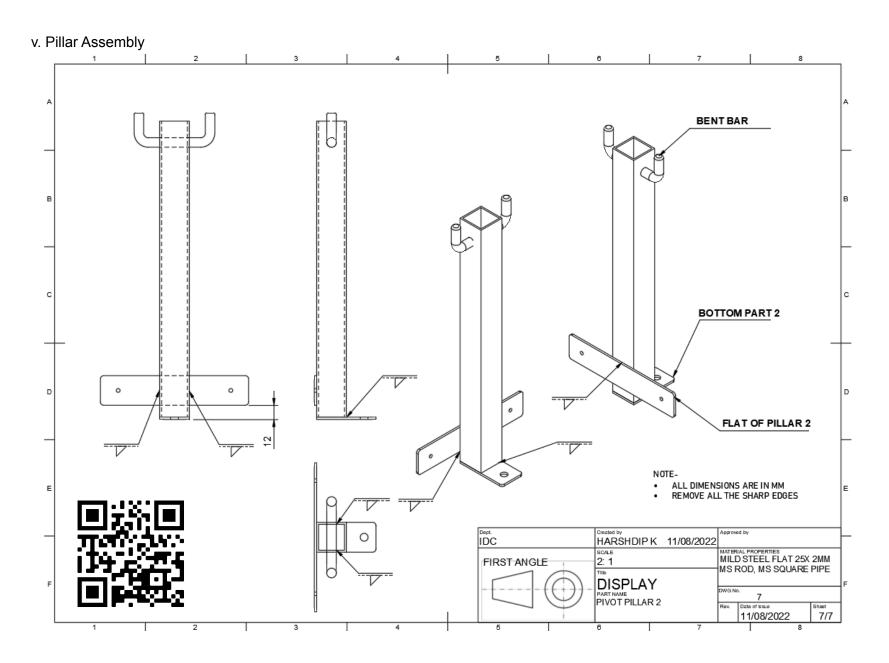












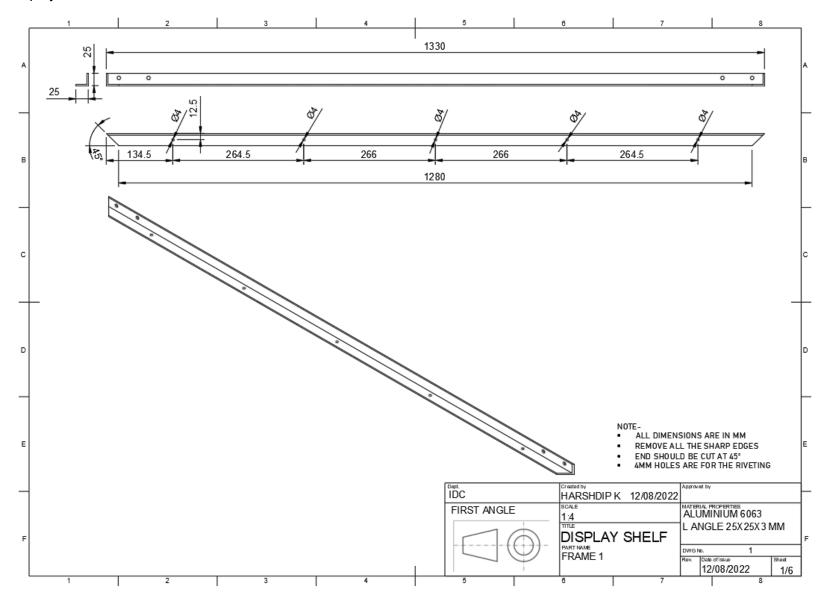


c. Display Frame

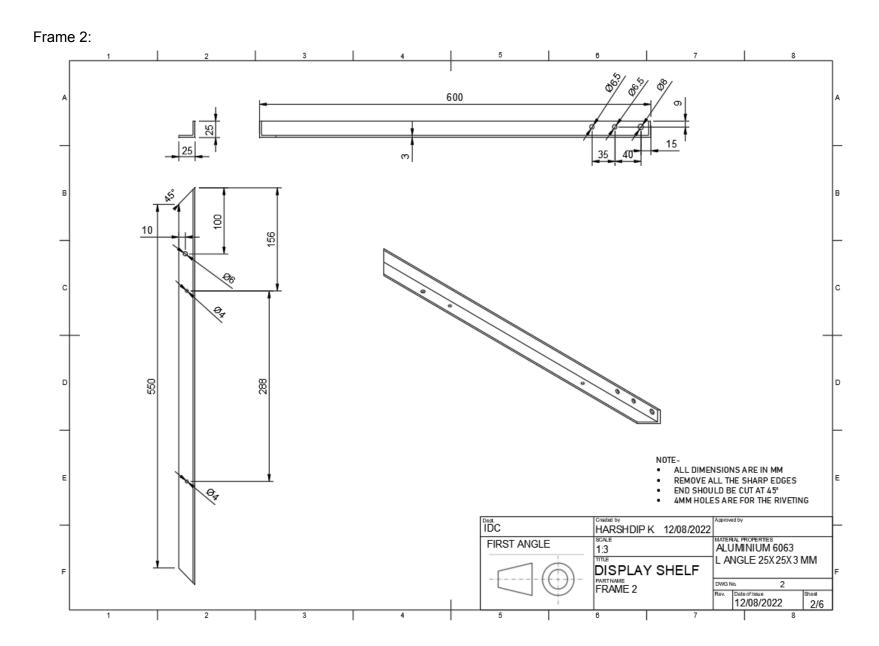
PART NAME	MATERIAL	CROSS SECTIONS	THICKNESS	QUANTITY	COLOUR CODE
Display Frame	Aluminium	L Angle(25x25)	3mm	2	
Support	Aluminium	L Angle(25x50)	2mm	8	
Flat patti	Aluminium	Flat patti(25x2)	2mm	2	
Shelf bracket	MS	Flat(25x3) Rod	3mm 8mm	4	RAL2000
Long leg	Aluminium	Square Pipe(25x25)	2mm	4	
Small leg	Aluminium	Square Pipe(25x25)	2mm	4	



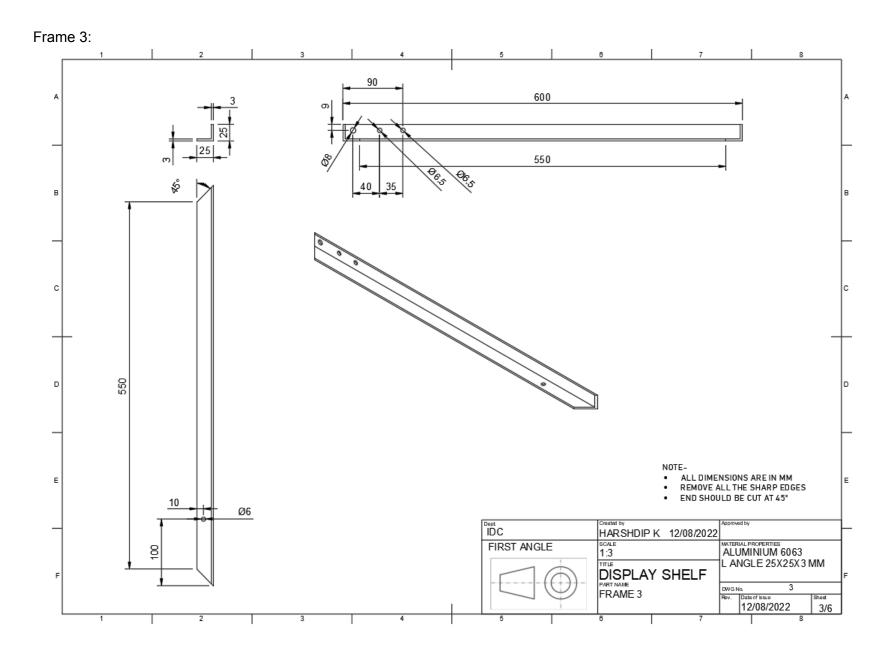
i. Display Frame



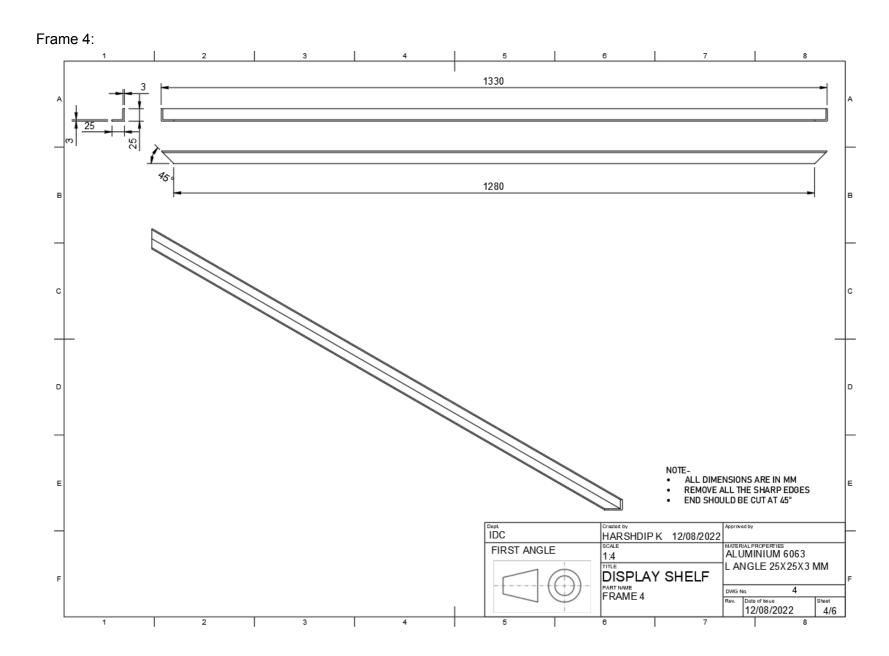




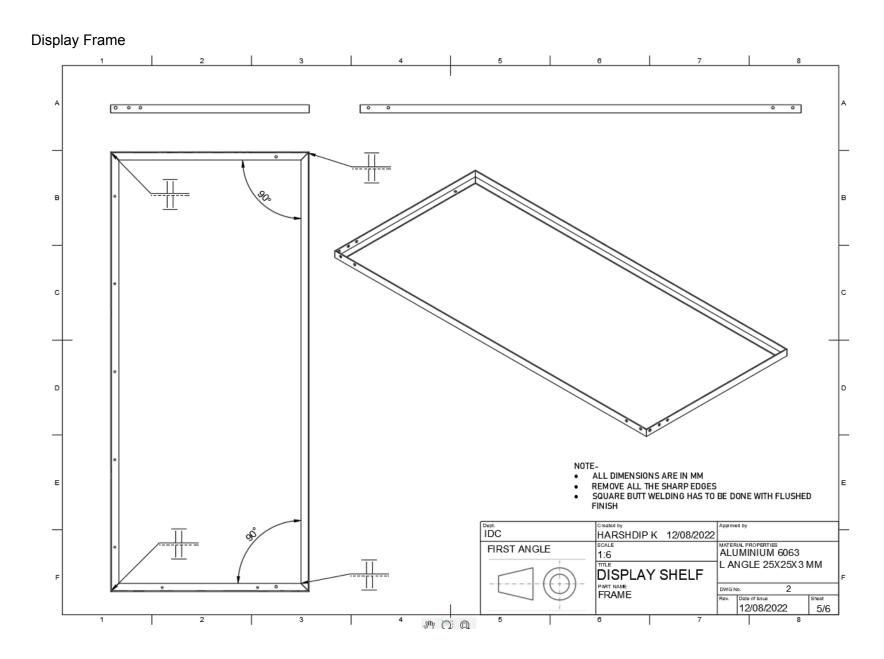




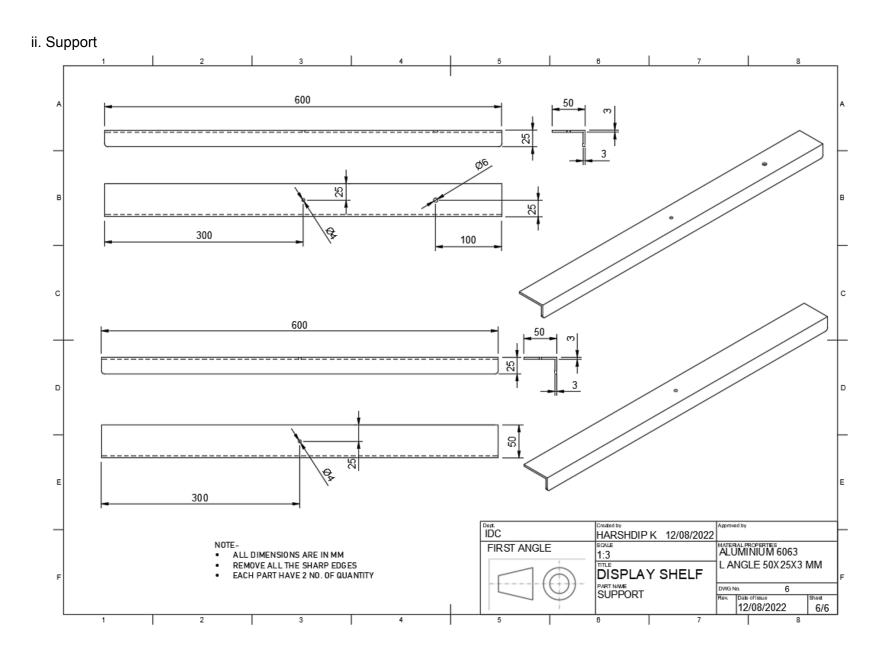




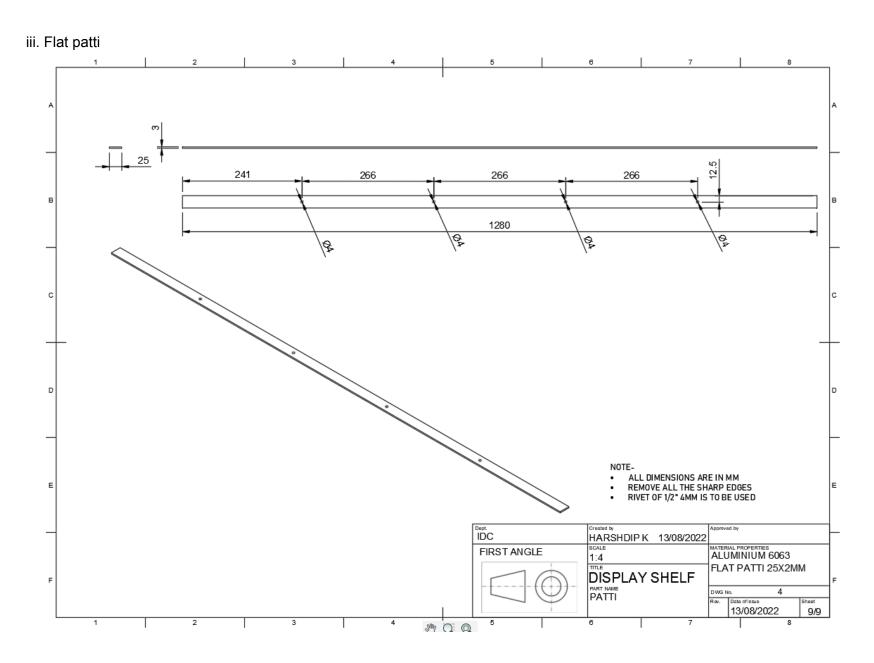






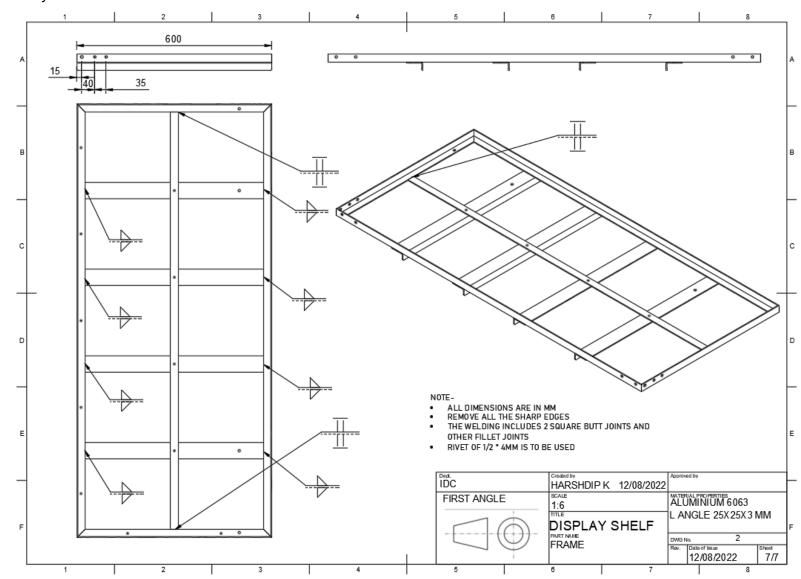




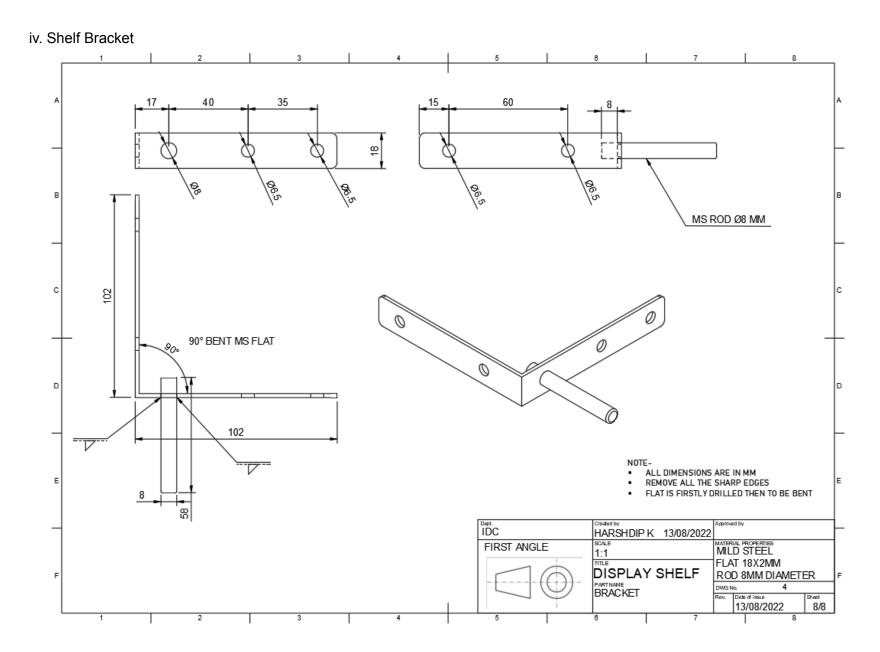




Assembly of Frame







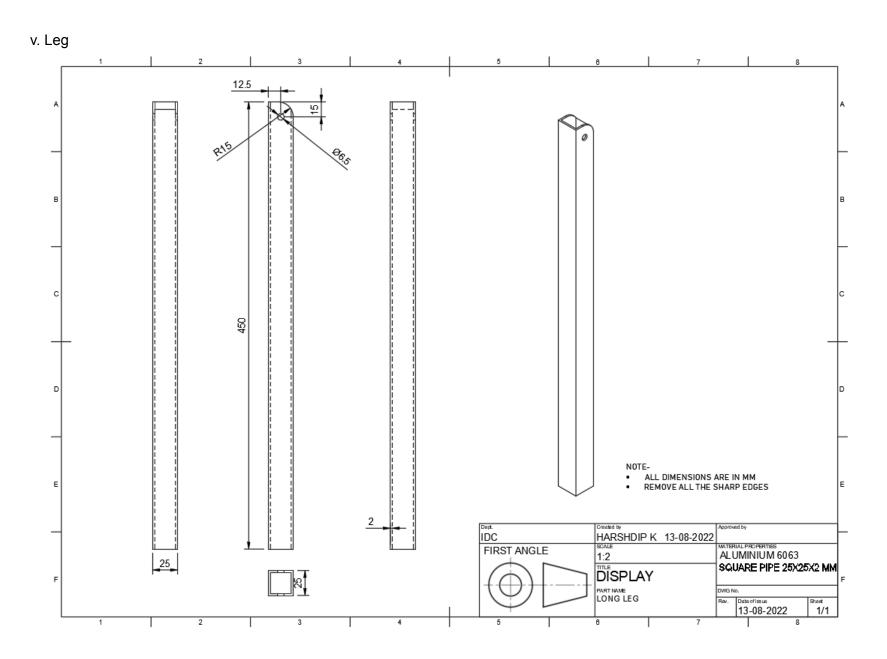


ASSEMBLY DISPLAY FRAME ALUMINIUM MESH SUPPORT X 4 PATTI BRACKETS X 2 Created by HARSHDIP K 12/08/2022 SCALE 1:6 TITLE DISPLAY SHELF MATERIAL PROPERTIES ALUMINIUM 6063 LANGLE 25X25X3 MM ASSEMBLY

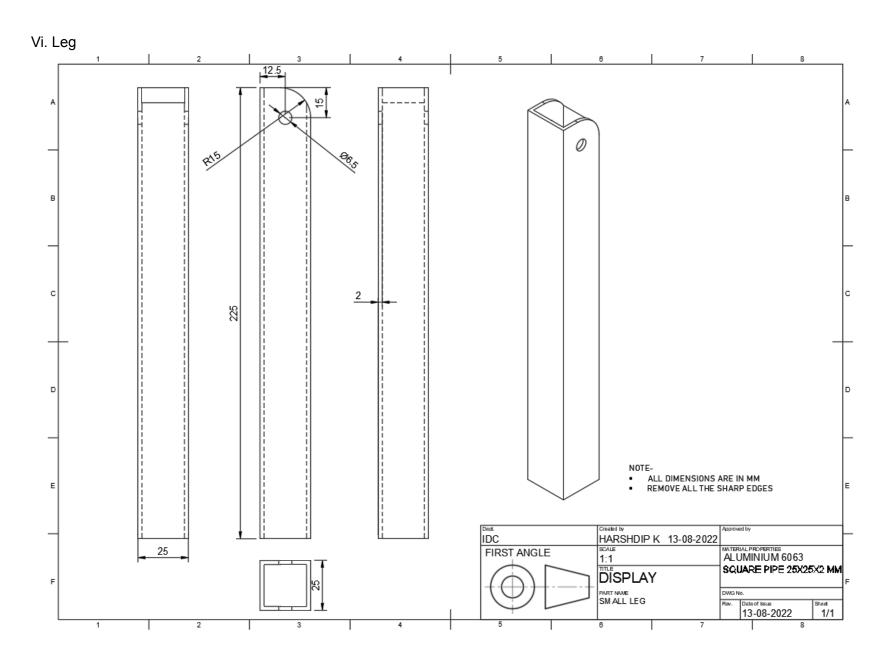
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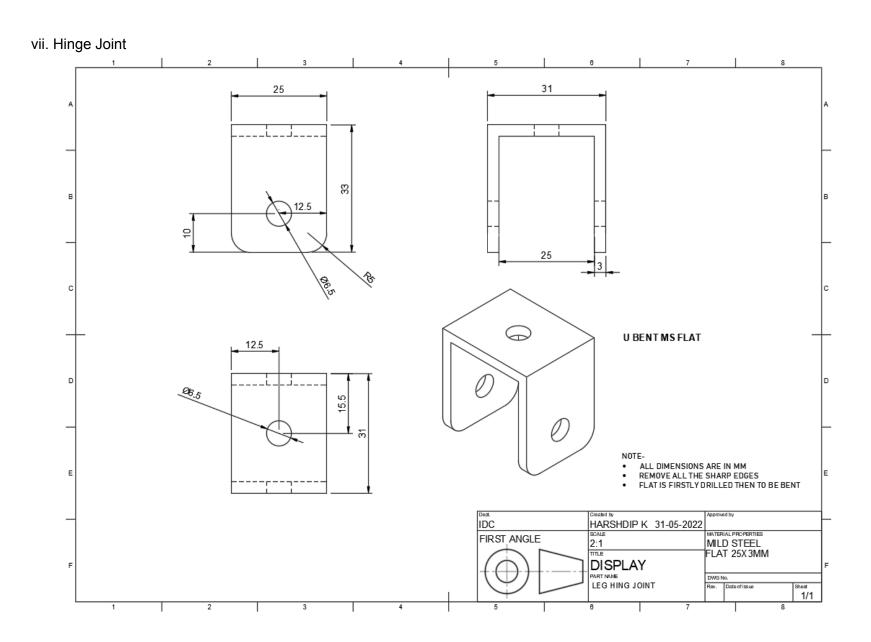
















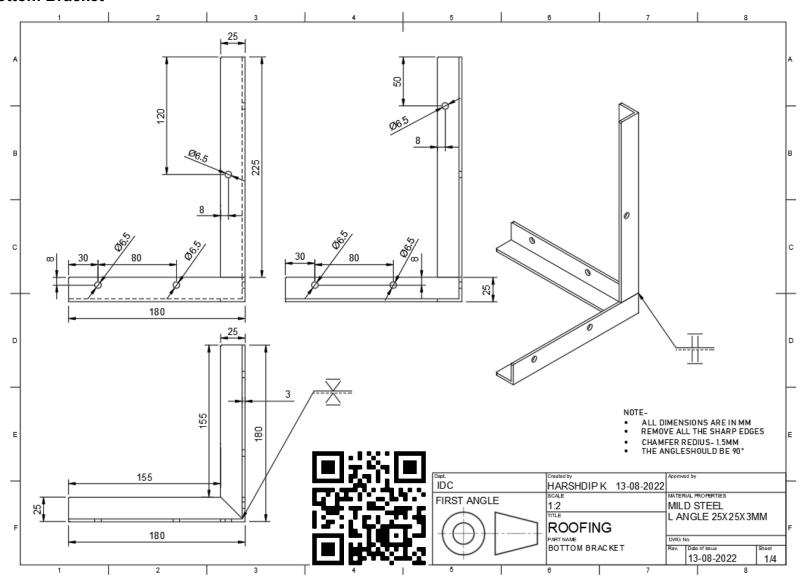


2. Roofing

PART NAME	MATERIAL	CROSS SECTIONS	THICKNESS	QUANTITY	COLOUR CODE
Bottom Bracket	MS	L Angle (25x25)	3mm	4	RAL2000
2 way connector				2	RAL2000
3 way connector				2	RAL2000
4 way connector1				1	RAL2000
4 way connector2				1	RAL2000
Roofing Pillar	Aluminium (6063)	Pipe(25x25)	2mm	4	RAL1021
Long beam				2	RAL1021
Small beam				3	RAL1021
Central beam				1	RAL1021
Angle beam		L angle(25x25)	2mm	4	RAL1021
Roofing L Joint		L angle(25x25)	2mm	8	RAL9005
Vendor side Beam		Pipe(25x25)	2mm	2	RAL1021

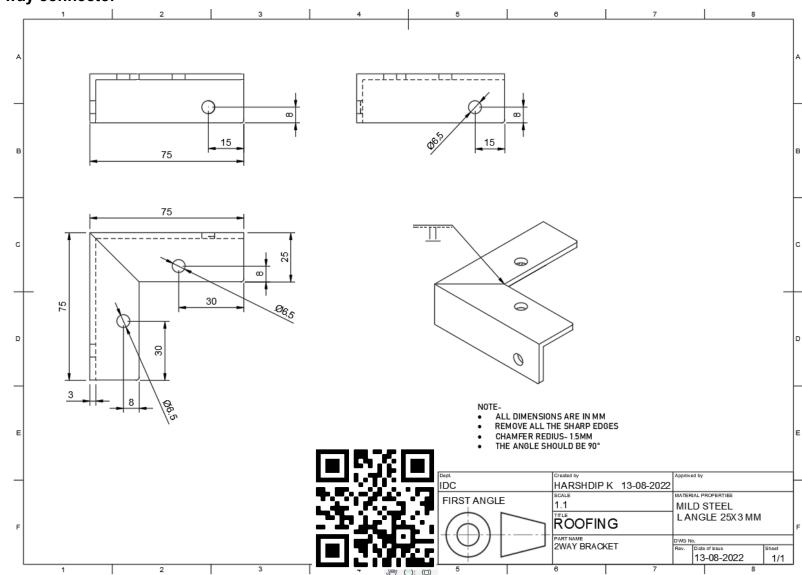


a. Bottom Bracket



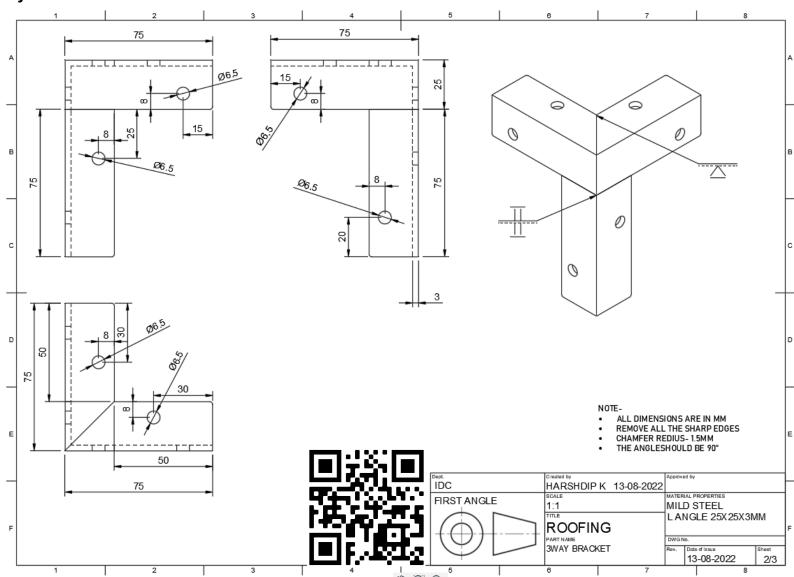


b. 2-way connector



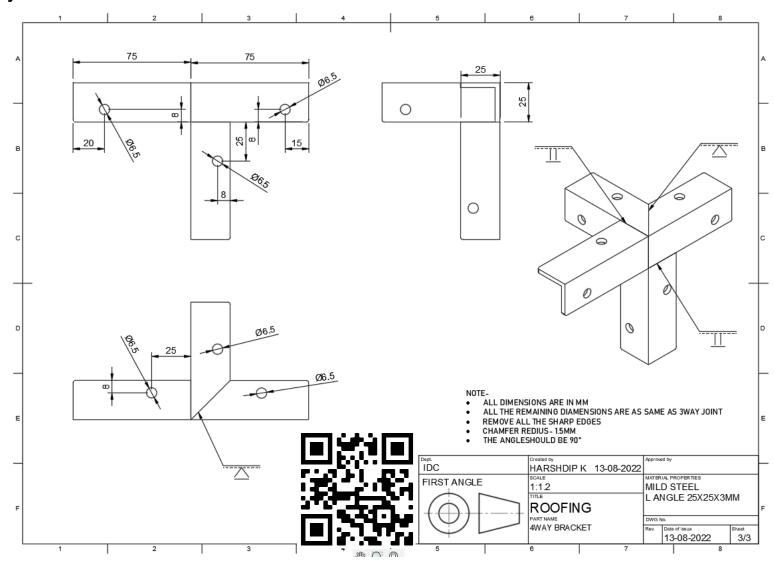


c. 3-way connector



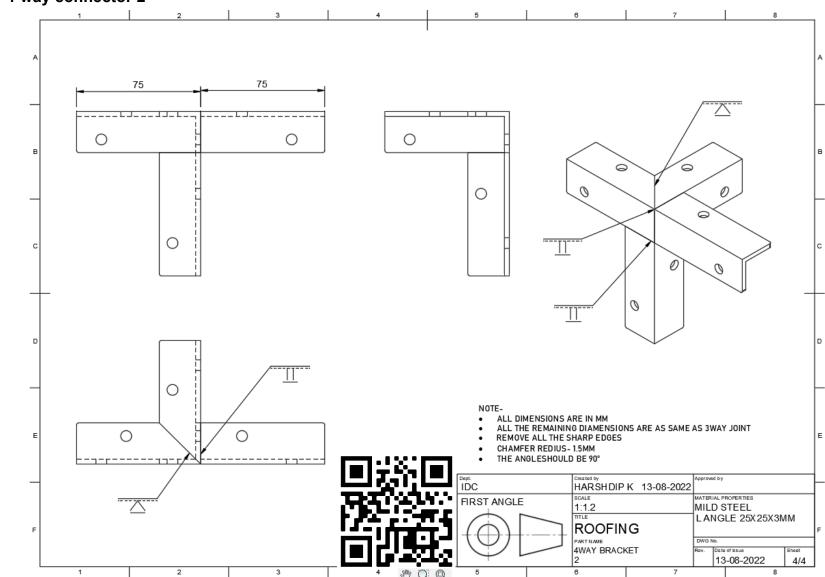


d. 4-way connector 1



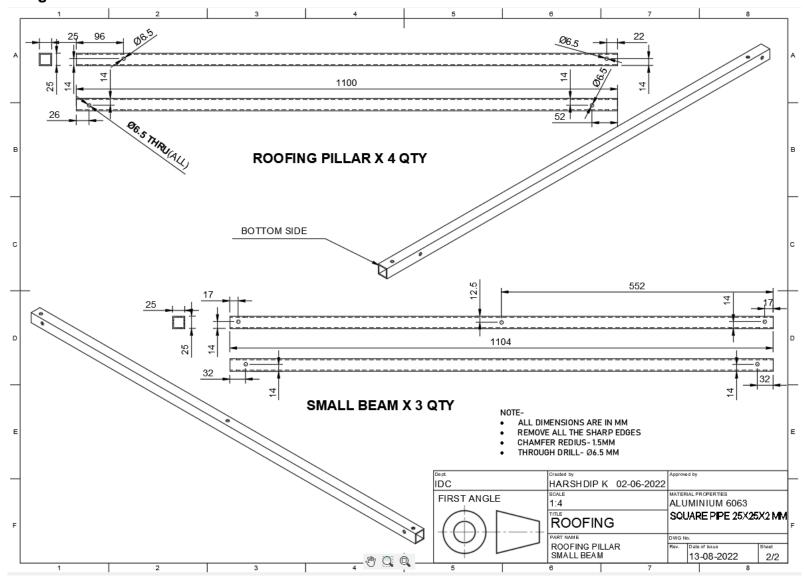


e. 4-way connector 2



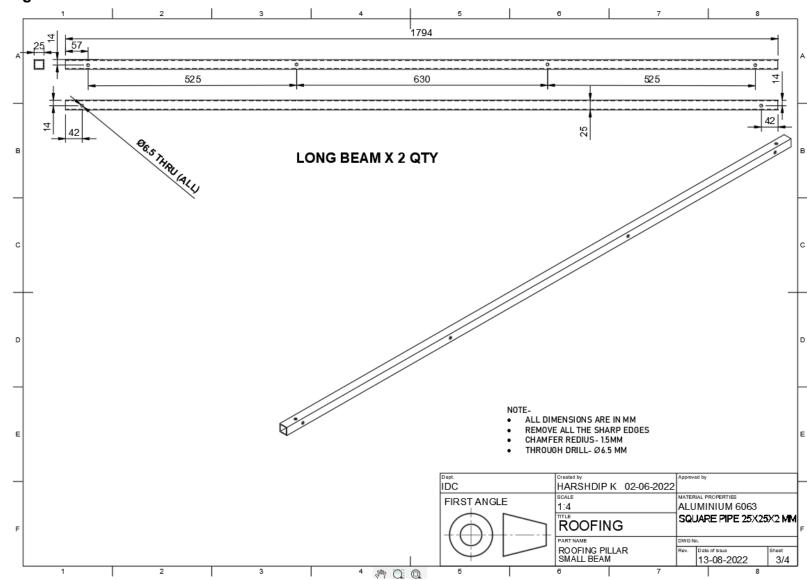


f. Roofing Pillar and Small Beam



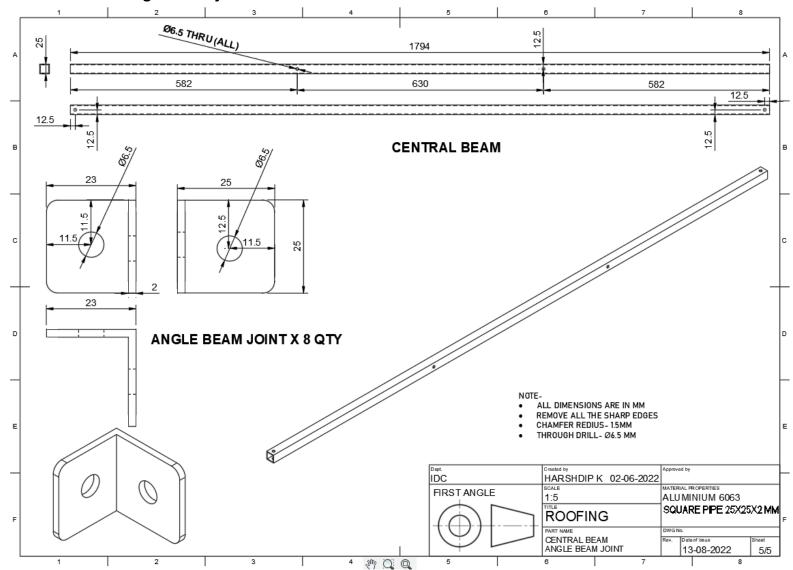


g. Long Beam



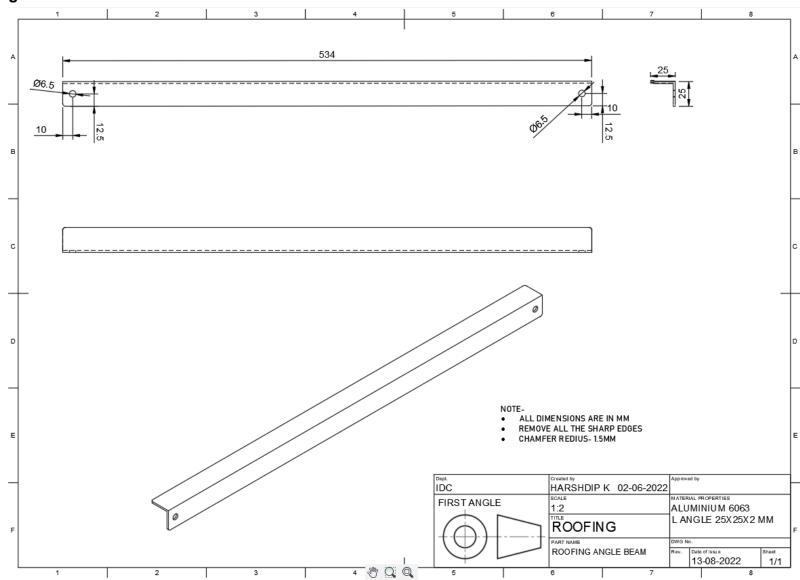


h. Central Beam and Angle beam joint



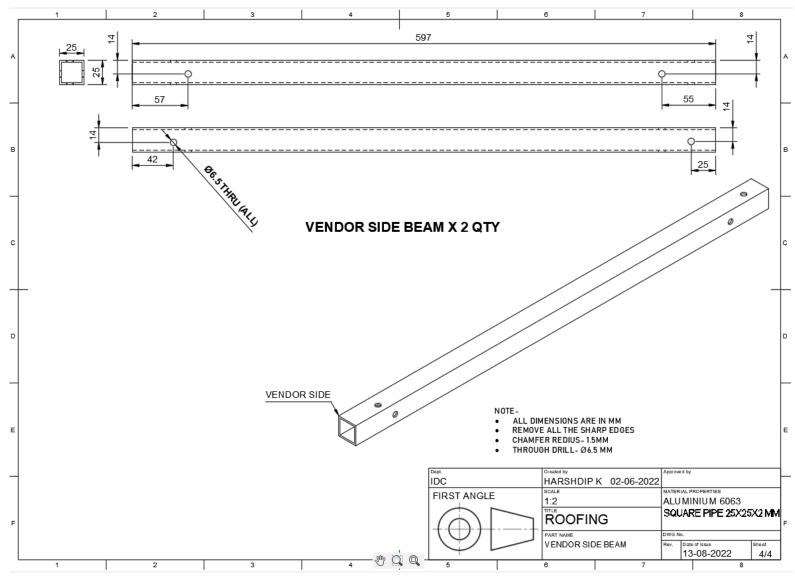


i. Angle beam

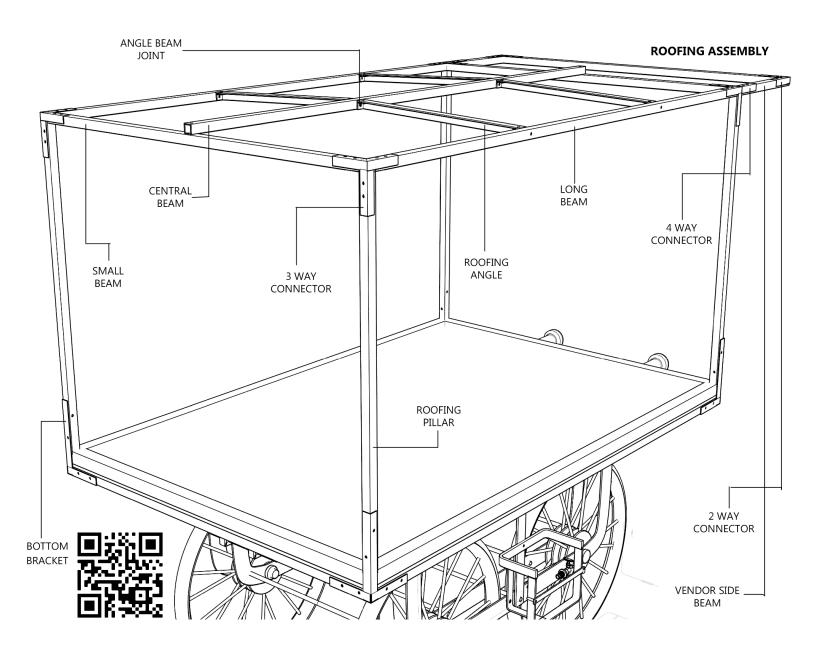




j. Vendor side Beam







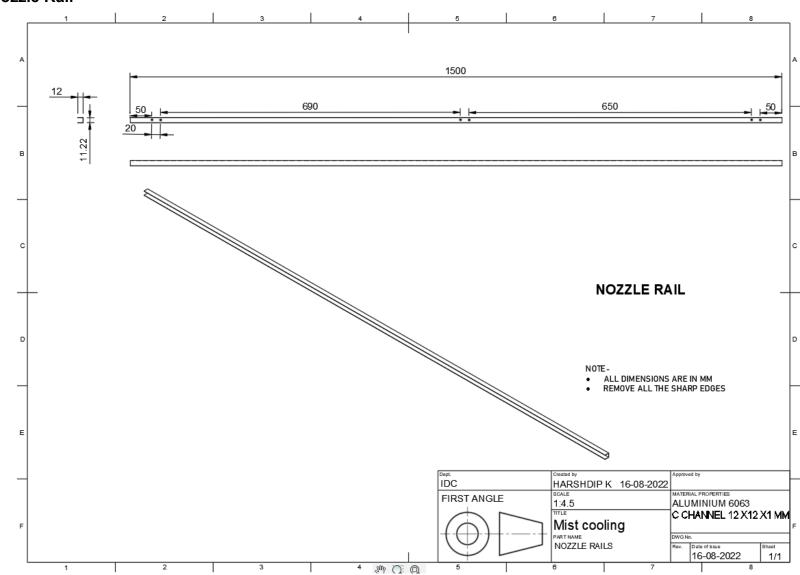


3. Mist cooling

PART NAME	MATERIAL	CROSS SECTIONS	THICKNESS	QUANTITY
Mist Rail	Aluminium	U section 12mm	1mm	2
Mist Bracket	GI sheet	sheet	0.4 mm	3

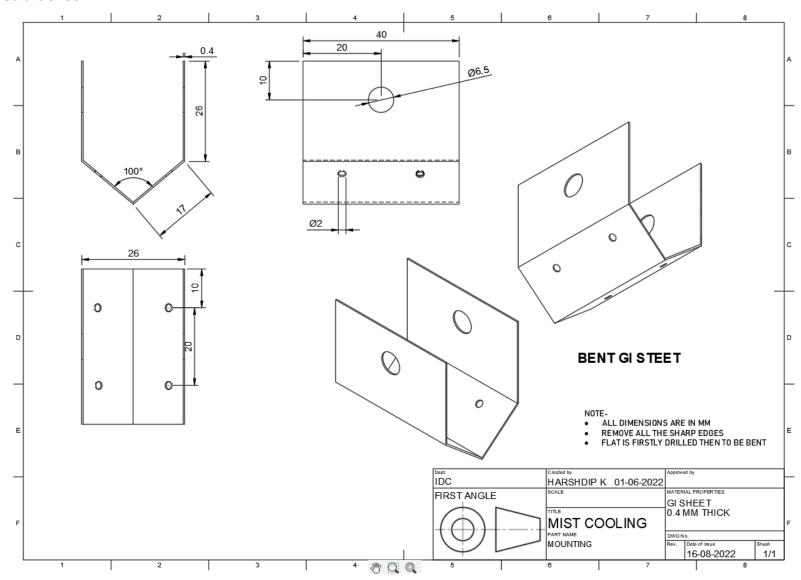


a. Nozzle Rail

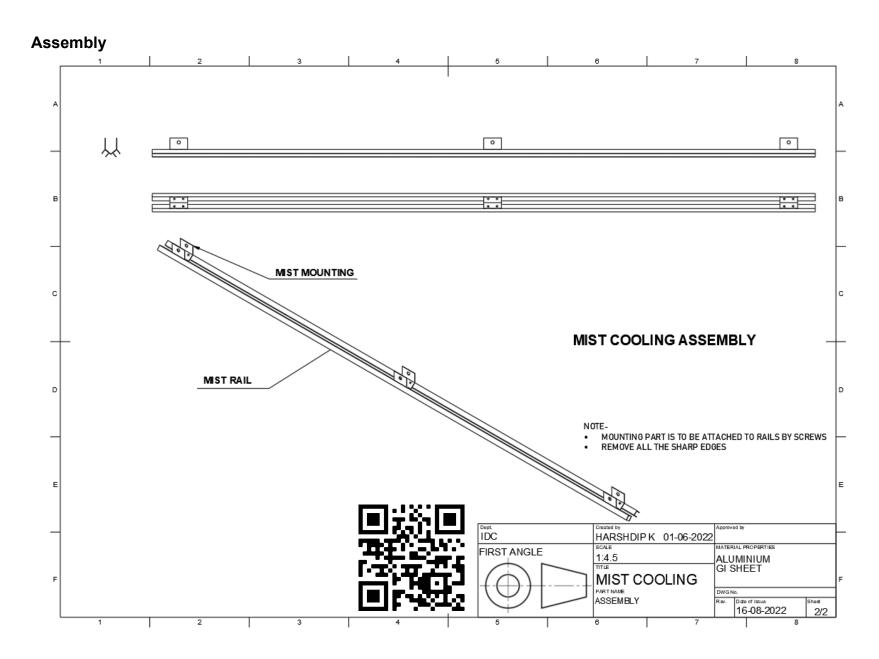




b. Mist bracket



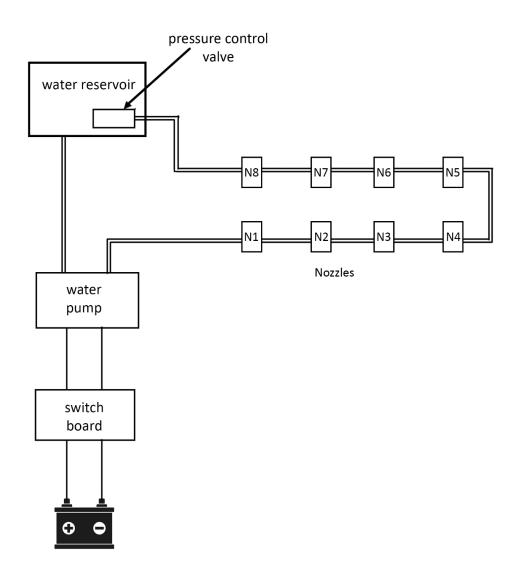






Part name	Dimensions	Quantity	Image
T connector	6mm	8	
Nozzle	6mm	8	
Pressure control valve	6mm	1	
Pipe	6mm	10 m	
Jerry Can	10L	2	





Mist Cooling system

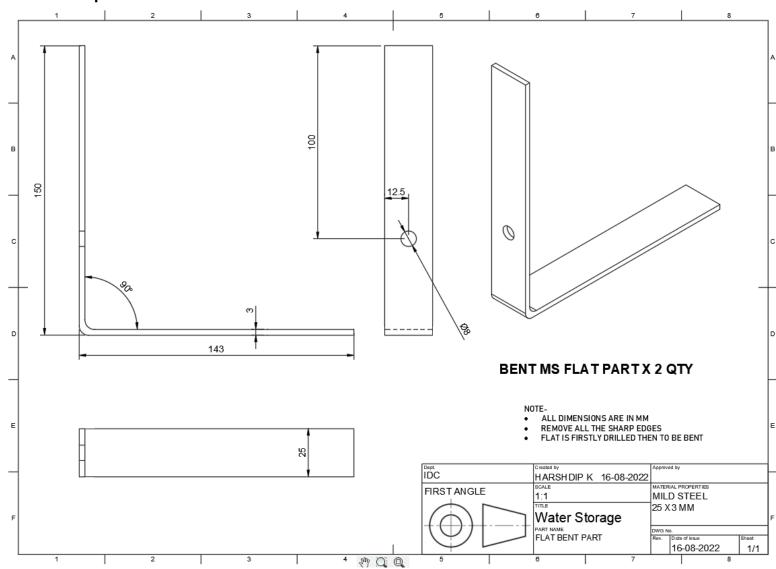


4. Water storage

PART NAME	MATERIAL	CROSS SECTIONS	THICKNESS	QUANTITY	COLOUR CODE
Flat bent 1	MS	Flat 25 x 3mm	3mm	1	RAL2000
Flat bent 2				1	
Flat bent 3				1	
Straight rod		8 mm dia Rod	8 mm	1	
Bent Rod				1	
Stopper		Flat 25 x 3mm	3 mm	1	

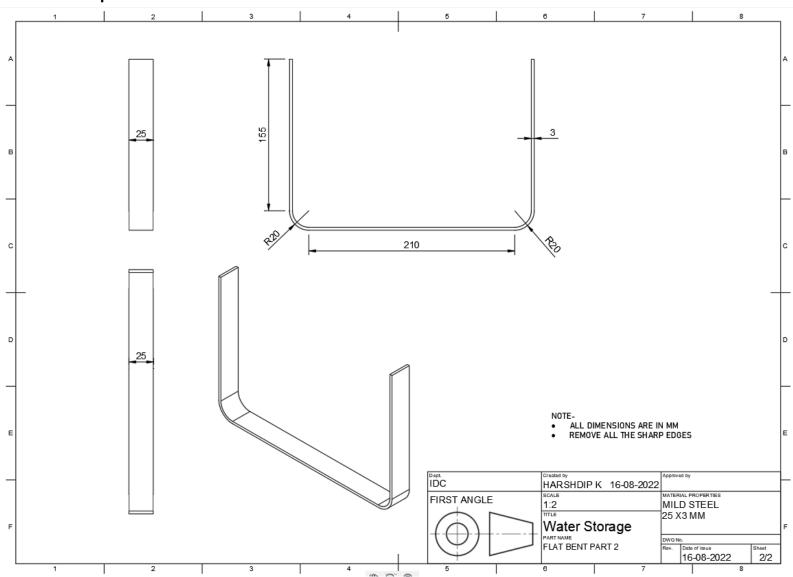


a. Flat bent part



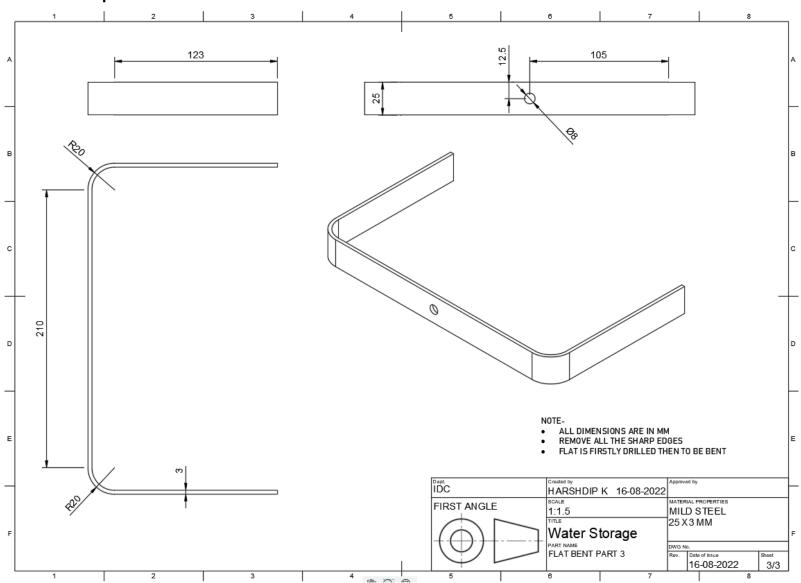


b. Flat bent part 2



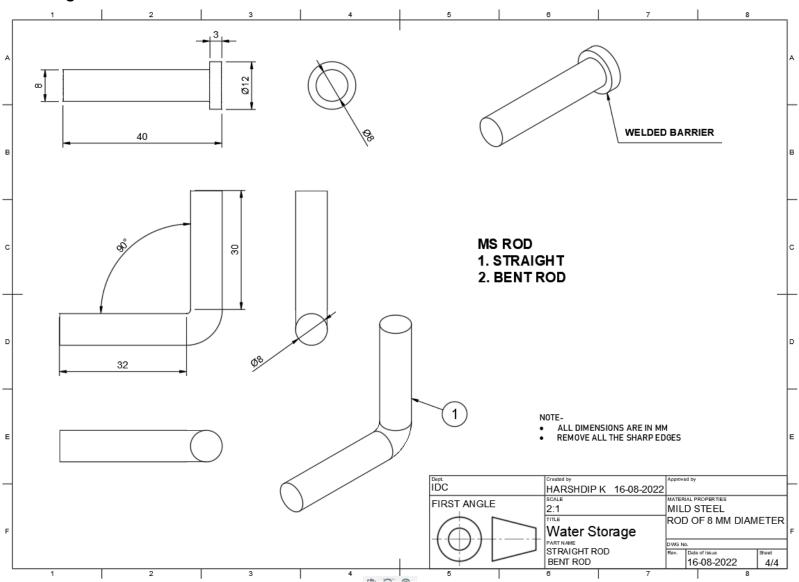


c. Flat bent part 3

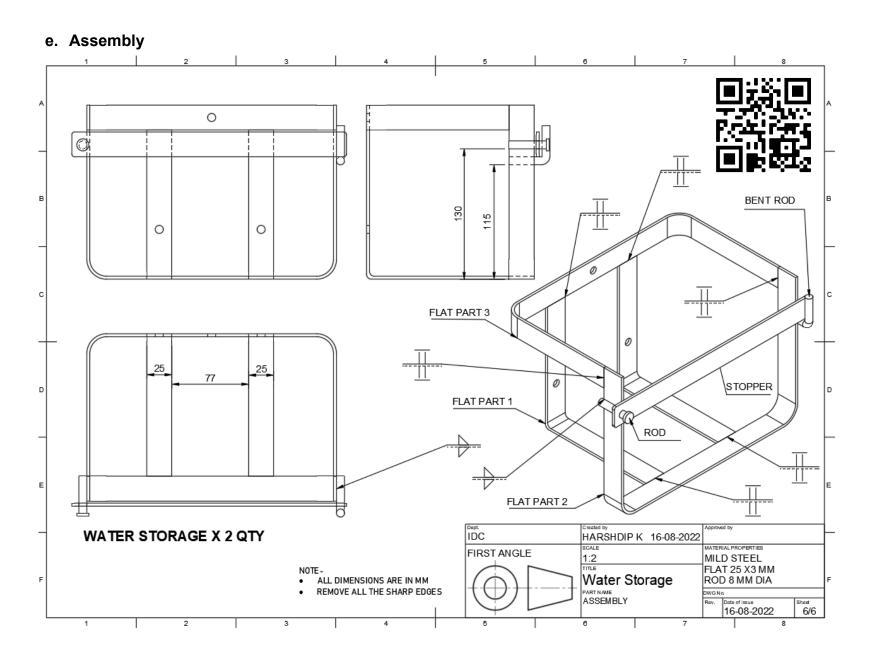




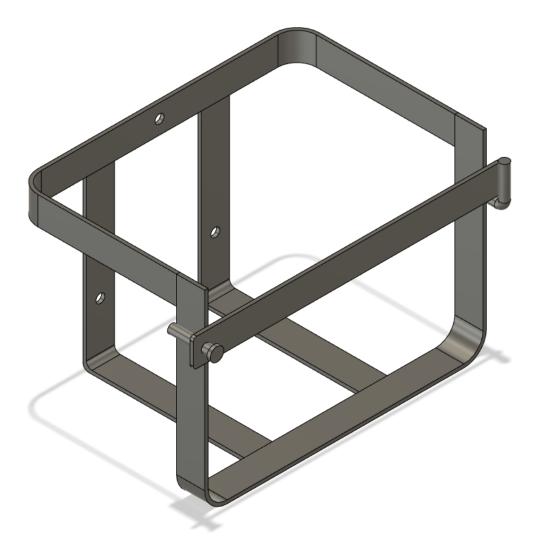
d. Straight and bent rod











3D OF WATER STORAGE

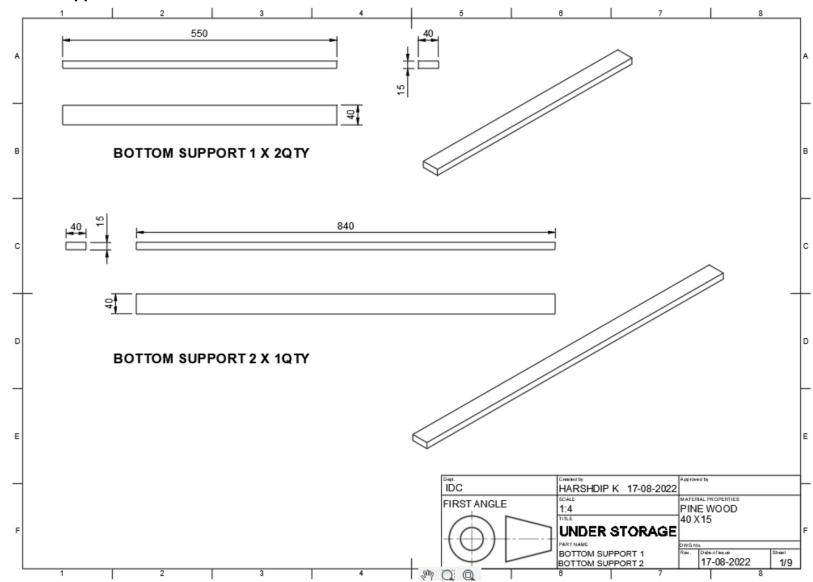


5. Under Storage

PART NAME	MATERIAL	CROSS SECTION	THICKNESS	QUANTITY	COLOUR CODE
Bottom support	Wood	15 x40	15 mm	2	
Bottom support 2				1	
Bottom frame				1	
Frame pillar		25 x40 mm	25 mm	4	
Frame T pillar				2	
Door				2	
Mesh	MS	18 x18 x 2mm	2mm	1	
Door Mesh				2	

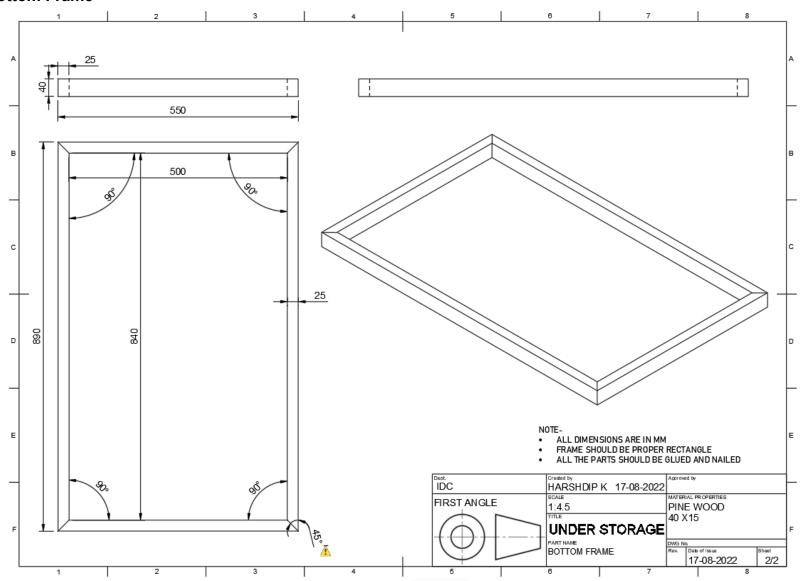


a. Bottom Support



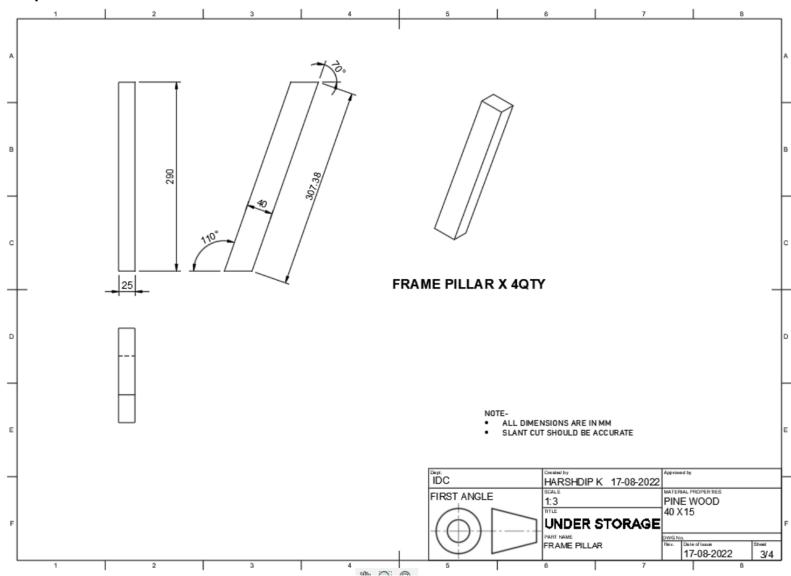


b. Bottom Frame



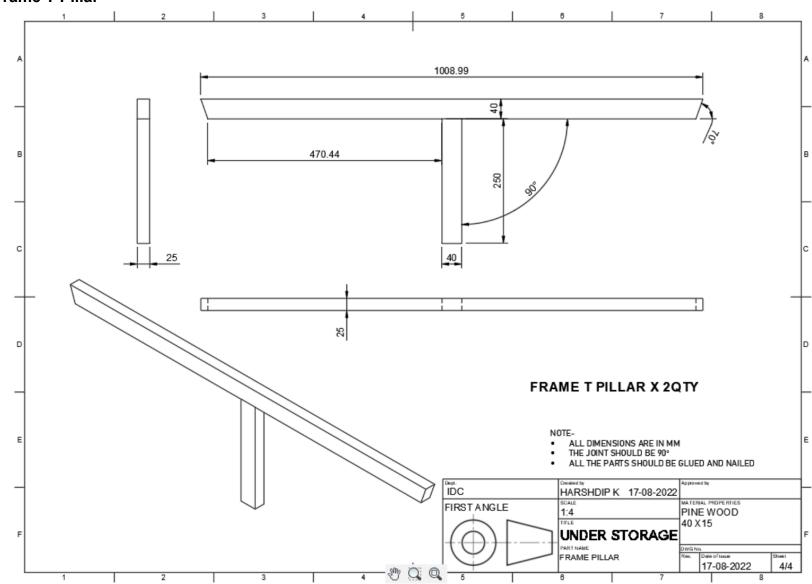


c. Frame pillar



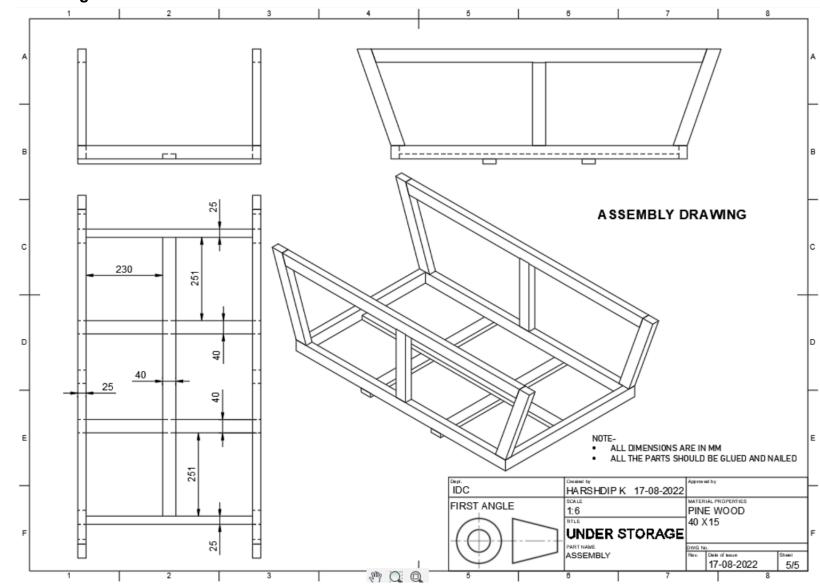


d. Frame T Pillar



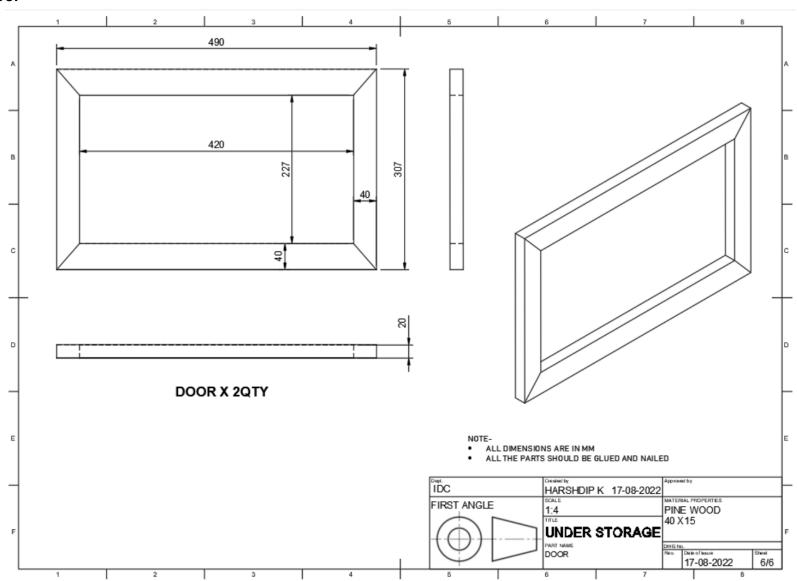


e. Bottom cage



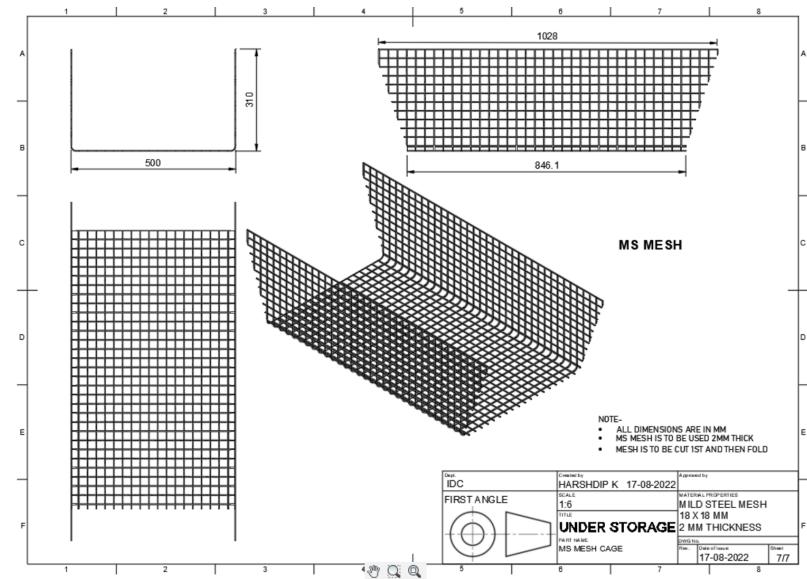


f. Door



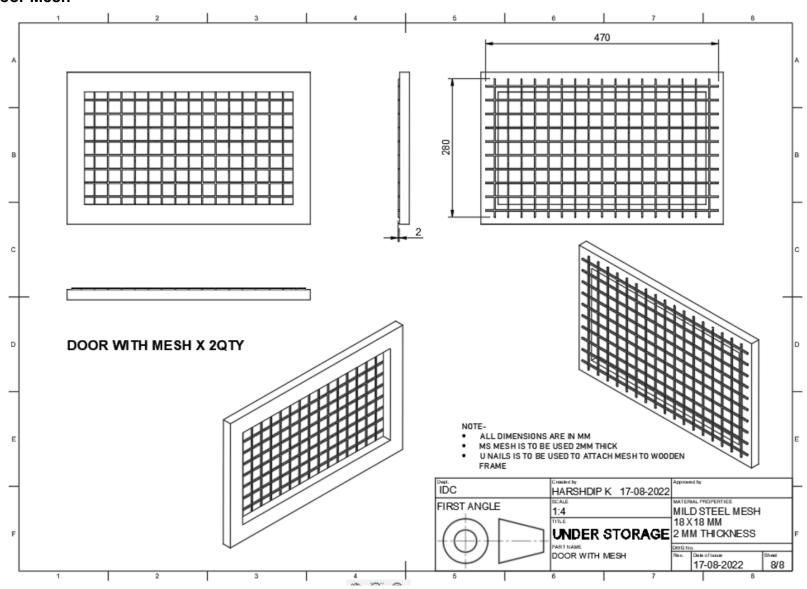






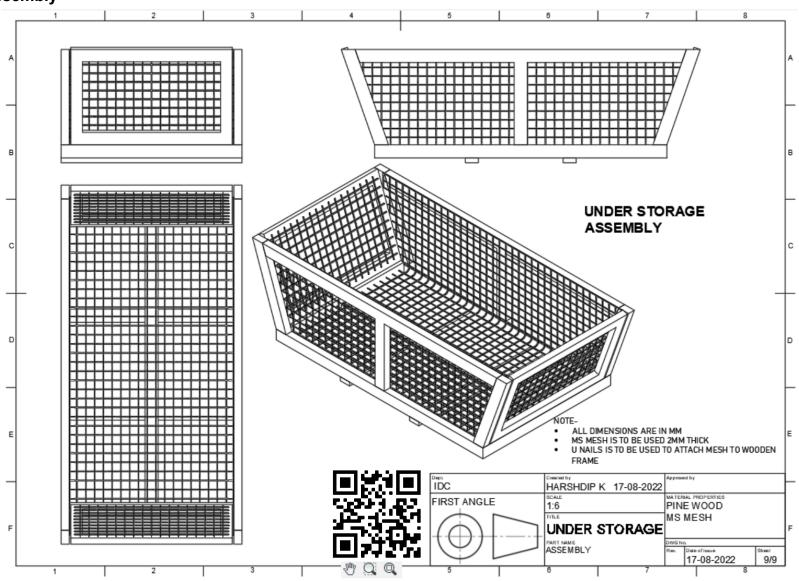


h. Door Mesh





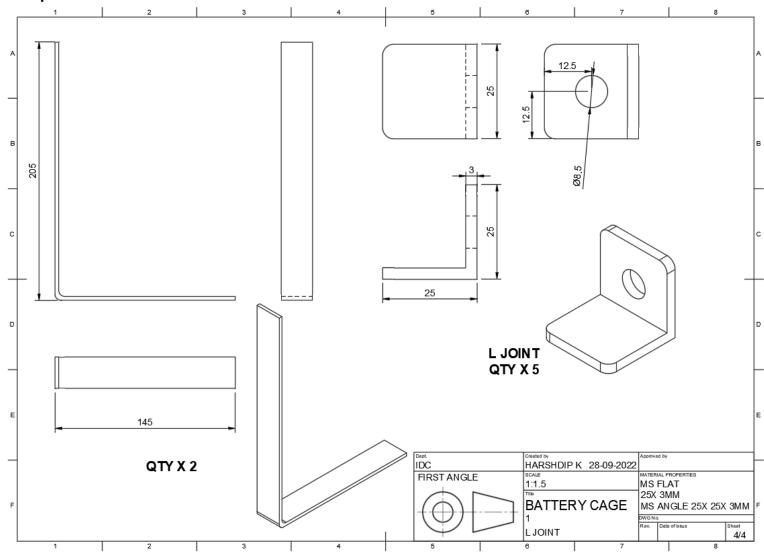
i. Assembly





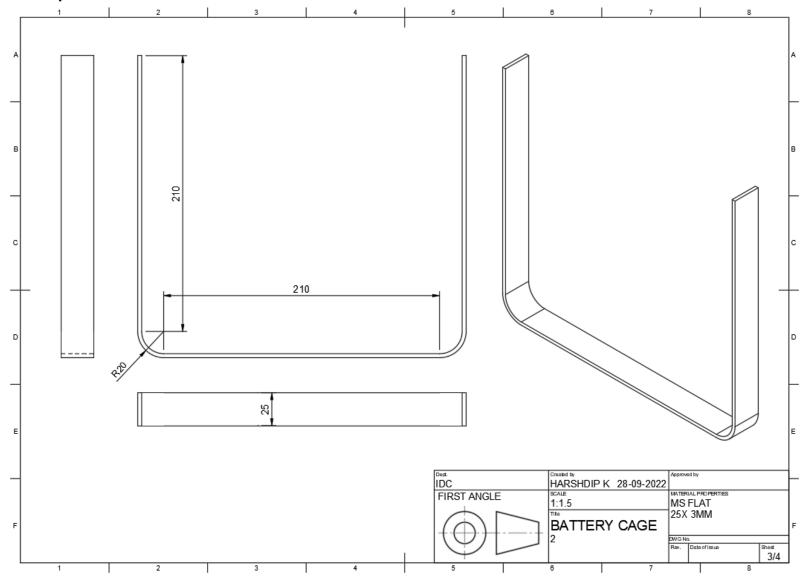
6. Battery Cage

a. Flat bent part 1



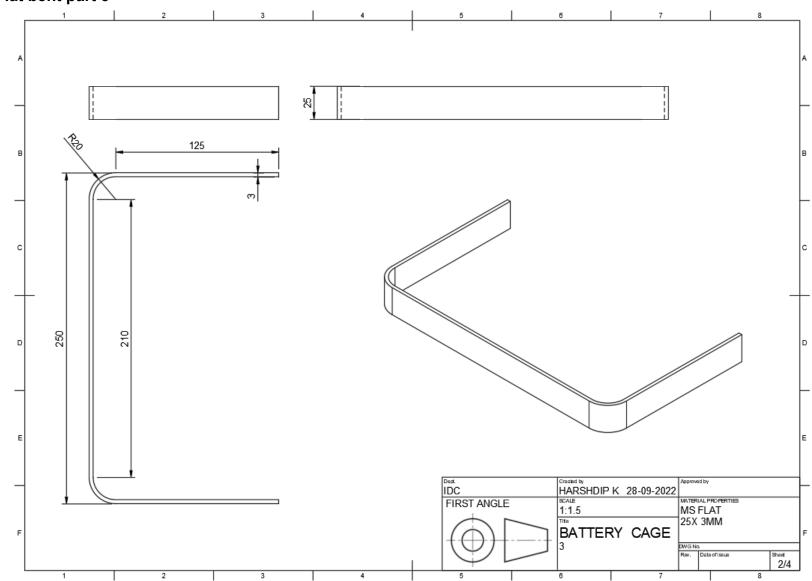


b. Flat bent part 2



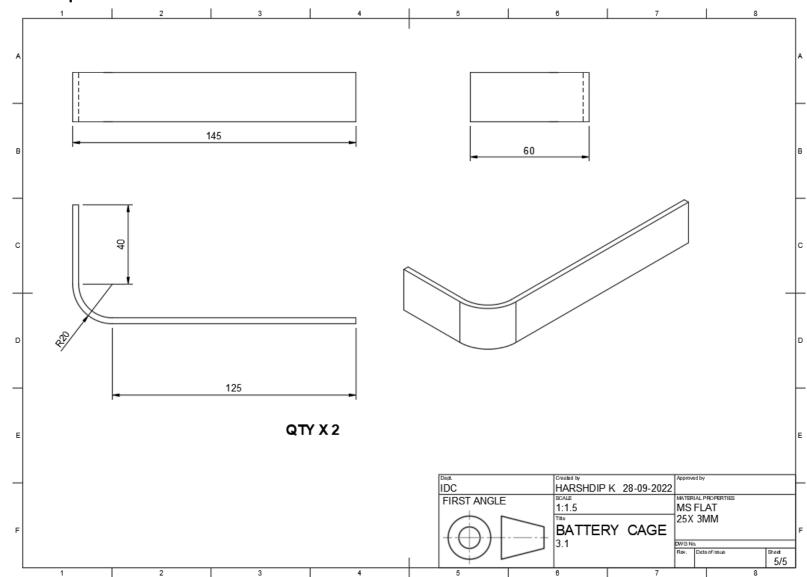


c. Flat bent part 3





d. Flat bend part 3.1





e. Assembly

