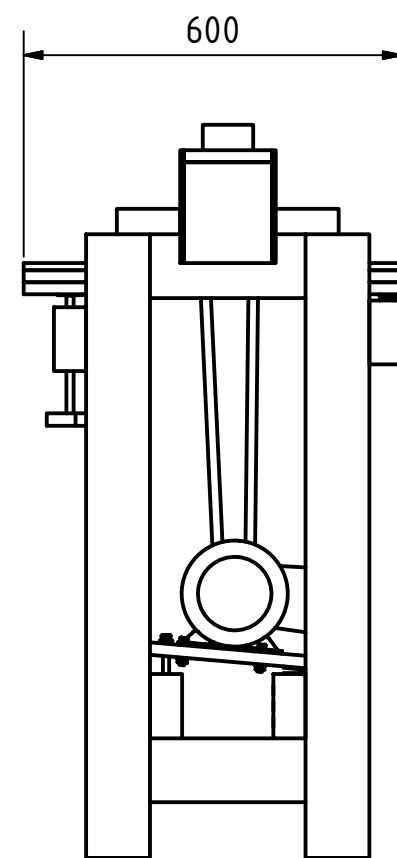
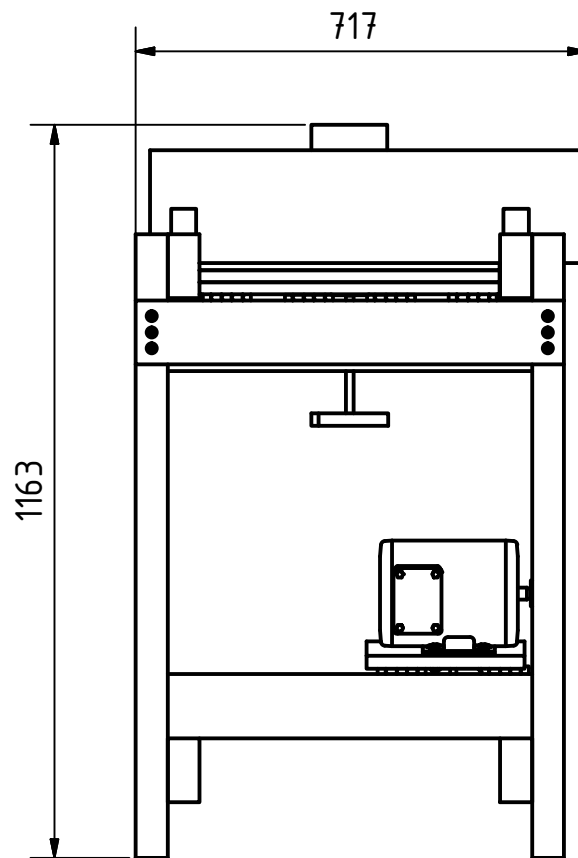
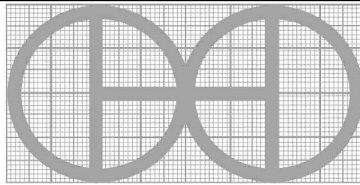


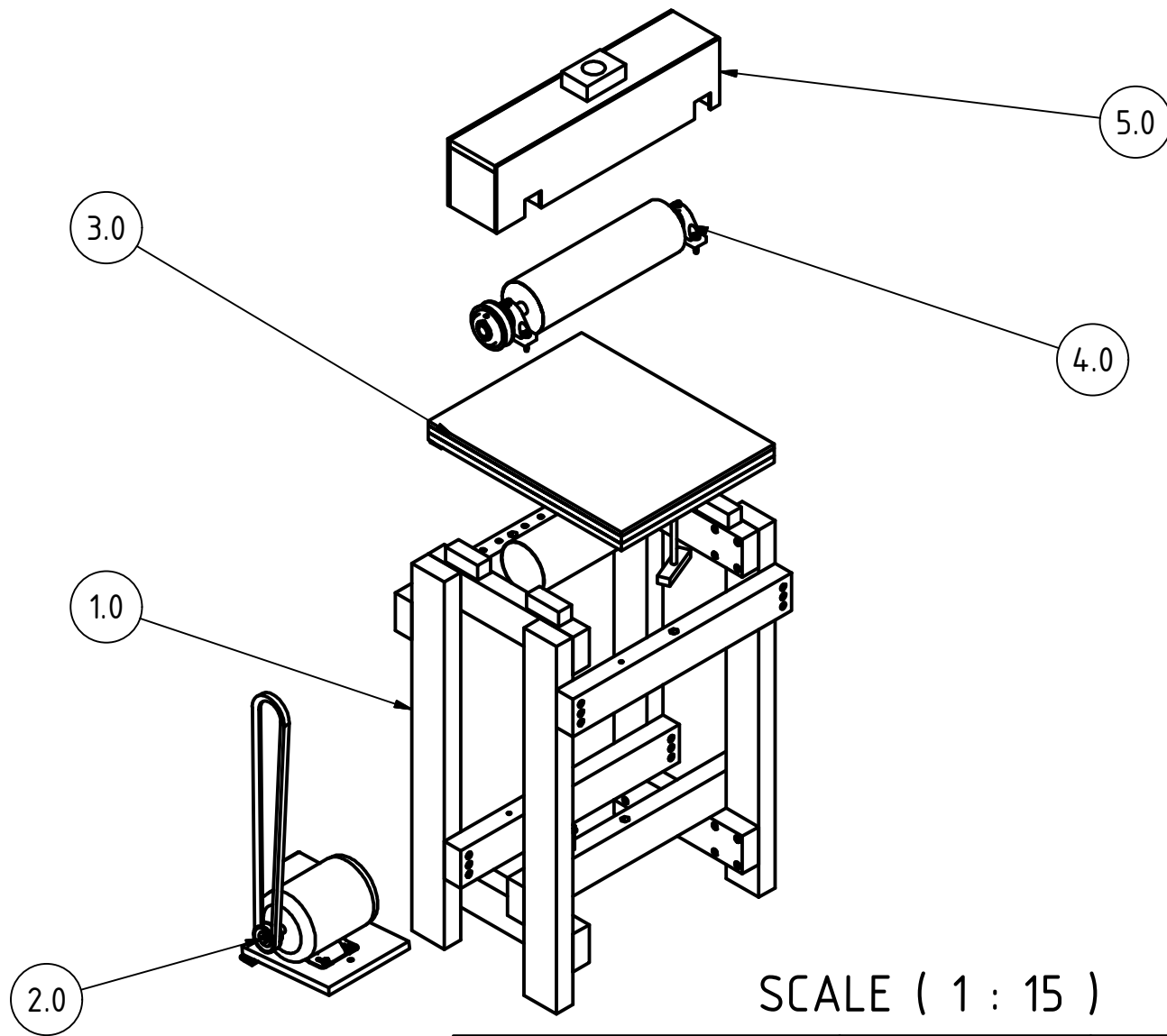
SCALE ( 1 : 18 )



SCALE ( 1 : 12 )

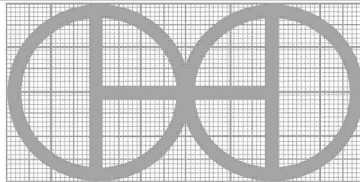
Note: All units in mm.

PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Thickness Sander	L. RUDA	A. MORILLO	06/10/2021	1.0
PART NAME	FILE NAME			POS
3d views	ph_ts_thickness-sander.iam			A1
PUBLISHED BY		DOC. TYPE	MATERIAL	QUANTITY
OHO e.V.		Assembly		1
		LICENCE	SCALE	SHEET
		CC-BY-SA 4.0	1:12	1 /22



SCALE ( 1 : 15 )

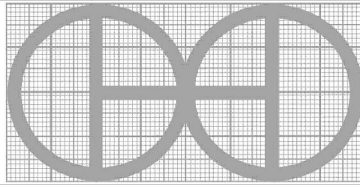
Note: All units in mm.

PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Thickness Sander	L. RUDA	A. MORILLO	06/10/2021	1.0
PART NAME	FILE NAME			POS
3d views	ph_ts_thickness-sander.iam			A1
PUBLISHED BY		DOC. TYPE	MATERIAL	QUANTITY
OHO e.V.		Assembly		1
		LICENCE	SCALE	SHEET
		CC-BY-SA 4.0	1:12	2 /22

Parts list

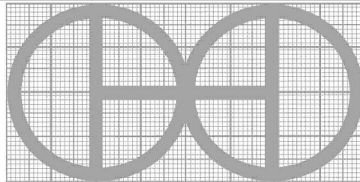
POS	QTY	PART NAME	FILE NAME	PART TYPE	SPECIFICATIONS	SHEET
A1	1	3d views				1
A2	1	Exploded 3d view				2
B1	1	Parts list				3
B2	1	Parts list				4
C1	1	Technical notes				5
1.0	1	Frame assembly	Frame assembly.iam			6
1.0	1	Frame assembly	Frame assembly.ipn			7
1.1	4	Legs	Legs.ipt	Production	50mm x 110mm x 990mm hardwood	
1.2	4	Top cross	Top cross.ipt	Production	50mm x 110mm hardwood	8
1.3	4	Top side	Top side.ipt	Production	50mm x 110mm hardwood	9
1.4	4	Top S	Top S.ipt	Production	50mm x 40mm x 100mm hardwood	
1.5	56	Wood screw2		Standard	M8 screw countersunk head	
2.0	1	Motor assembly	Motor assembly.ipn			10
2.1	2	Hinges		Buy	76mm x 32mm Galvanized steel with holes	
2.2	1	Base motor	Base motor.ipt	Production	270mm x 250 mm hardwood	11
2.3	1	Motor		Buy	Low-speed motor 1/2Hp -1725 r.p.m	
2.4	1	Vbelt pulley		Buy	63,5mm OD X 16mm bore Steel C45	
2.5	1	V belt		Buy	V belt standard 864mm (34") 4L340 EPDM	
2.6	1	Wood screw1		Standard	60mm long HEX FLANGE HEAD	
2.7	8	Wood screw3		Standard	M6 screw countersunk head	
2.8	4	Screw4		Standard	35mm long HEX FLANGE HEAD	
2.9	4	Nut		Standard	M8 nut	
3.0	1	Table assembly	Table assembly.ipn			12
3.1	4	Hinges		Buy	76mm x 32mm Galvanized steel with holes	
3.2	2	Tablet A	Tablet A.ipt	Production	12mm x 476mm x 600mm Plywood	
3.3	1	Tablet B	Tablet B.ipt	Production	19mm x 476mm x 600mm Plywood	
3.4	1	Handle	Handle.ipt	Production	20mm x 30mm hardwood	13
3.5	1	Sheet	Sheet.ipt	Production	1mm x 40mm x 60mm Steel A36	
3.6	8	Wood screw3		Standard	M6 screw countersunk head	
3.7	1	T bolt		Standard	M12 screw hexagon head	
3.8	1	Nut2		Standard	M12 nut	

Note: All units in mm.

PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Thickness Sander	L. RUDA	A. MORILLO	06/10/2021	1.0
PART NAME	FILE NAME			POS
Parts list	ph_ts_thickness-sande			B1
PUBLISHED BY		DOC. TYPE	MATERIAL	QUANTITY
OHO e.V.		Parts list		
		LICENCE	SCALE	SHEET
		CC-BY-SA 4.0		3 /22


Parts list

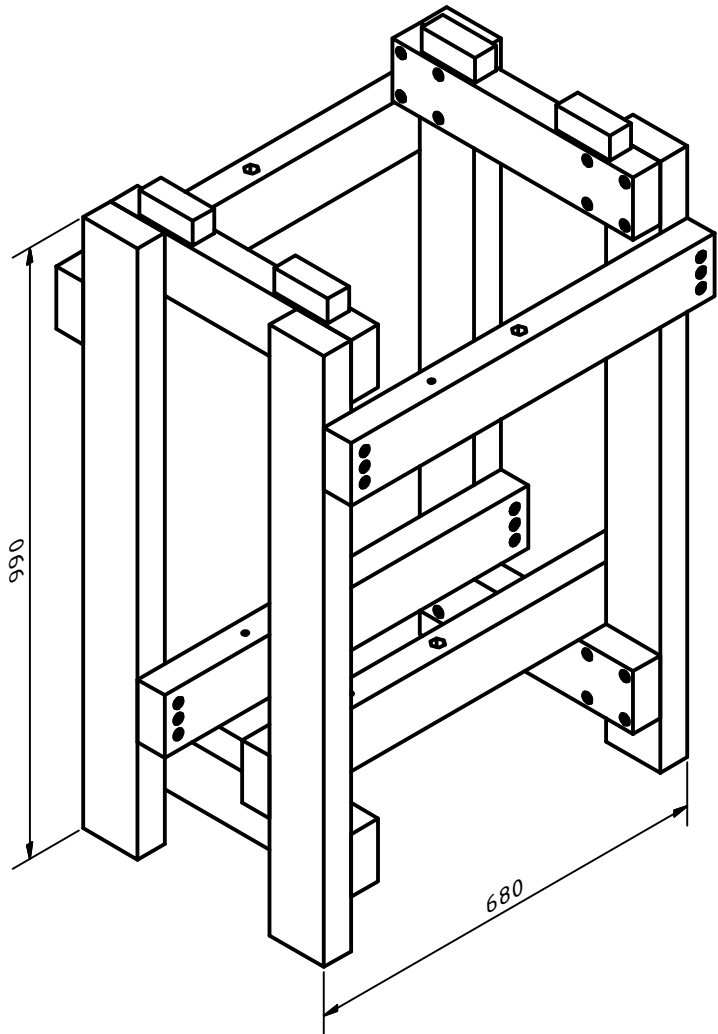
POS	QTY	PART NAME	FILE NAME	PART TYPE	SPECIFICATIONS	SHEET
4.0	1	Drum assembly	Drum assembly.ipn			14
4.1	2	Pillow block		Buy	Plain bearing pillow blocks 25 bore	
4.2	1	Shaft	Shaft.ipt	Production	Steel A36	15
4.3	23	Disks	Disks.ipt	Production	Hardwood	16
4.4	1	Pulley 1	Pulley 1.ipt	Production	Hardwood	17
4.5	1	Velcro		Buy	1mm thickness Velcro	
4.6	1	Sandpaper		Buy	Sandpaper tray 100mm GR.60	
4.7	4	Wood screw4		Standard	40 mm long HEX FLANGE HEAD	
5.0	1	Dust hood assembly	Dust hood assembly.ipn			18
5.1	2	Piece A	Piece A.ipt	Production	Hardwood	19
5.2	2	Piece B	Piece B.ipt	Production	19mm x 140mm x 160mm Clear Acetate	
5.3	1	Piece C	Piece C.ipt	Production	140mm x 694mm Clear Acetate	20
5.4	2	Piece D	Piece D.ipt	Production	Hardwood	21
5.5	1	Top	Top.ipt	Production	Hardwood	22

PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Thickness Sander	L. RUDA	A. MORILLO	06/10/2021	1.0
PART NAME	FILE NAME			POS
Parts list	ph_ts_thickness-sander			B2
PUBLISHED BY		DOC. TYPE	MATERIAL	QUANTITY
OHO e.V.		Parts list		
		LICENCE	SCALE	SHEET
		CC-BY-SA 4.0		4 /22

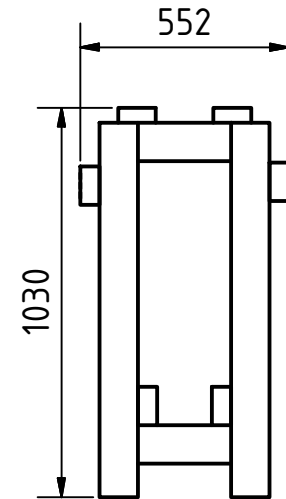
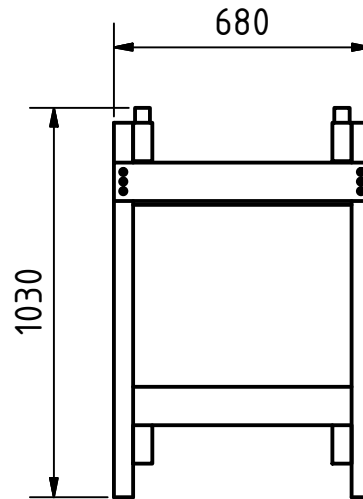
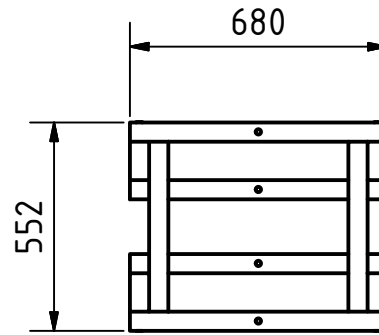
TECHNICAL NOTES

NOTES	CONTENT
GENERAL NOTES	
Wood treatment	- The wood must be treated with pesticides and kiln-dried to ensure adequate humidity. - Wood sealer should be applied for later use.
...	...

PROJECT Thickness Sander	CREATED BY L. RUDA	APPROVED BY A. MORILLO	DATE 06/10/2021	VERSION 1.0
PART NAME Technical notes	FILE NAME ph_ts_thickness-sander			POS C1
PUBLISHED BY		DOC. TYPE Technical notes	MATERIAL	QUANTITY
OHO e.V.		LICENCE CC-BY-SA 4.0	SCALE	SHEET 5 /22

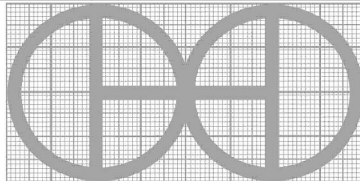


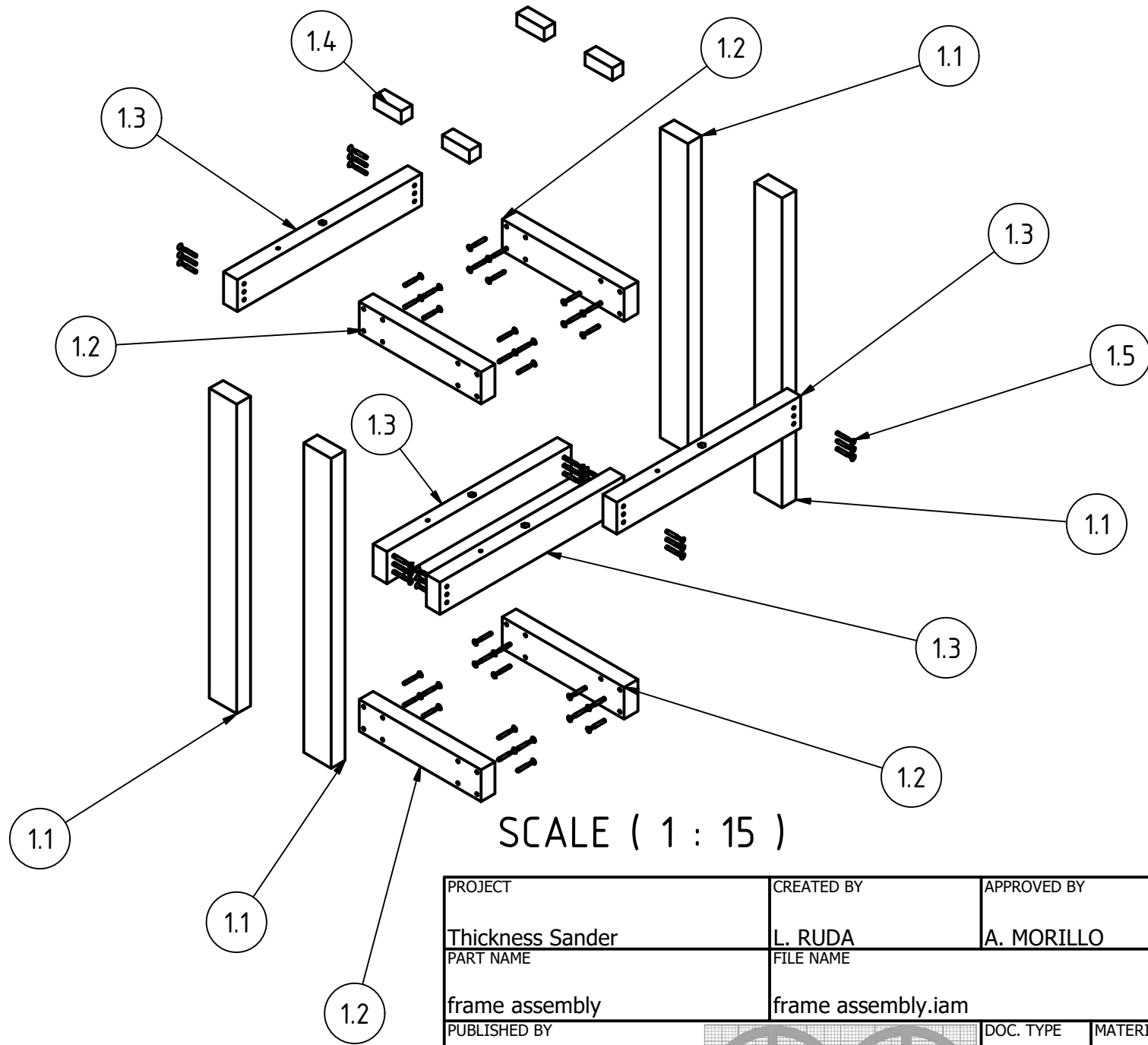
SCALE ( 1 : 10 )



SCALE ( 1 : 20 )

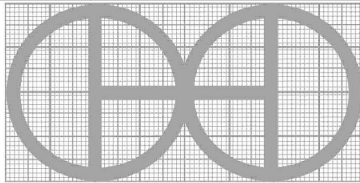
Note: All units in mm.

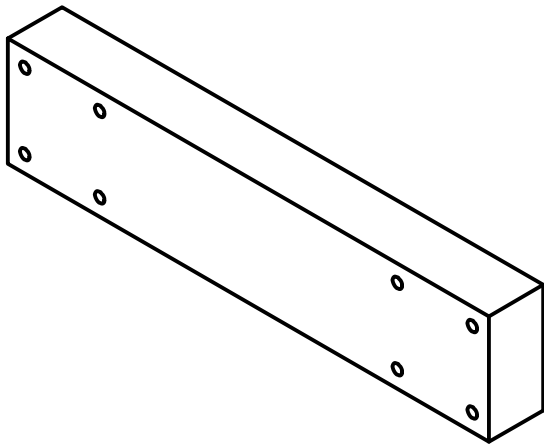
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Thickness Sander	L. RUDA	A. MORILLO	06/10/2021	1.0
PART NAME	FILE NAME			POS
frame assembly	frame assembly.iam			1.0
PUBLISHED BY		DOC. TYPE	MATERIAL	QUANTITY
OHO e.V.		Assembly		1
	LICENCE	SCALE	SHEET	
	CC-BY-SA 4.0	1:20	6 /22	



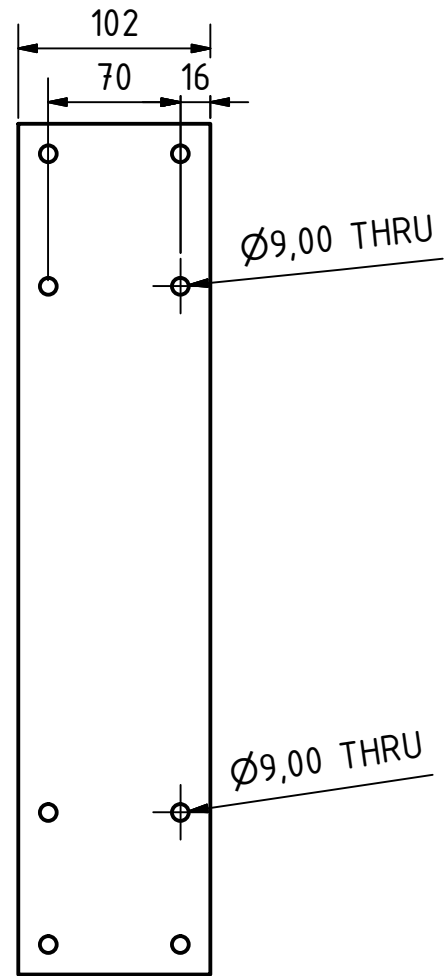
SCALE ( 1 : 15 )

Note: All units in mm.

PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Thickness Sander	L. RUDA	A. MORILLO	06/10/2021	1.0
PART NAME	FILE NAME	POS		
frame assembly	frame assembly.iam	1.0		
PUBLISHED BY		DOC. TYPE	MATERIAL	QUANTITY
OHO e.V.		Assembly		1
	LICENCE	SCALE	SHEET	
	CC-BY-SA 4.0	1:15	7 /22	



SCALE ( 1 : 5 )

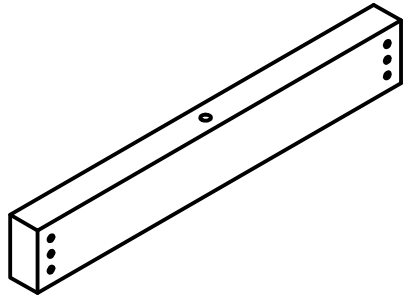


SCALE ( 1 : 4 )

Note: All units in m

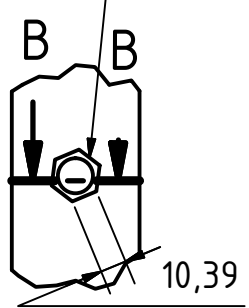
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Thickness Sander	L. RUDA	A. MORILLO	06/10/2021	1.0
PART NAME	FILE NAME			POS
Top cross	Top cross.ipt			1.2
PUBLISHED BY		DOC. TYPE	MATERIAL	QUANTITY
		Part	Hardwood	4
OHO e.V.		LICENCE	SCALE	SHEET
		CC-BY-SA 4.0	1:4	8 /22



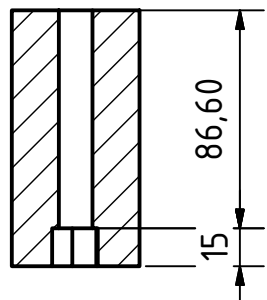


SCALE ( 1 : 10 )

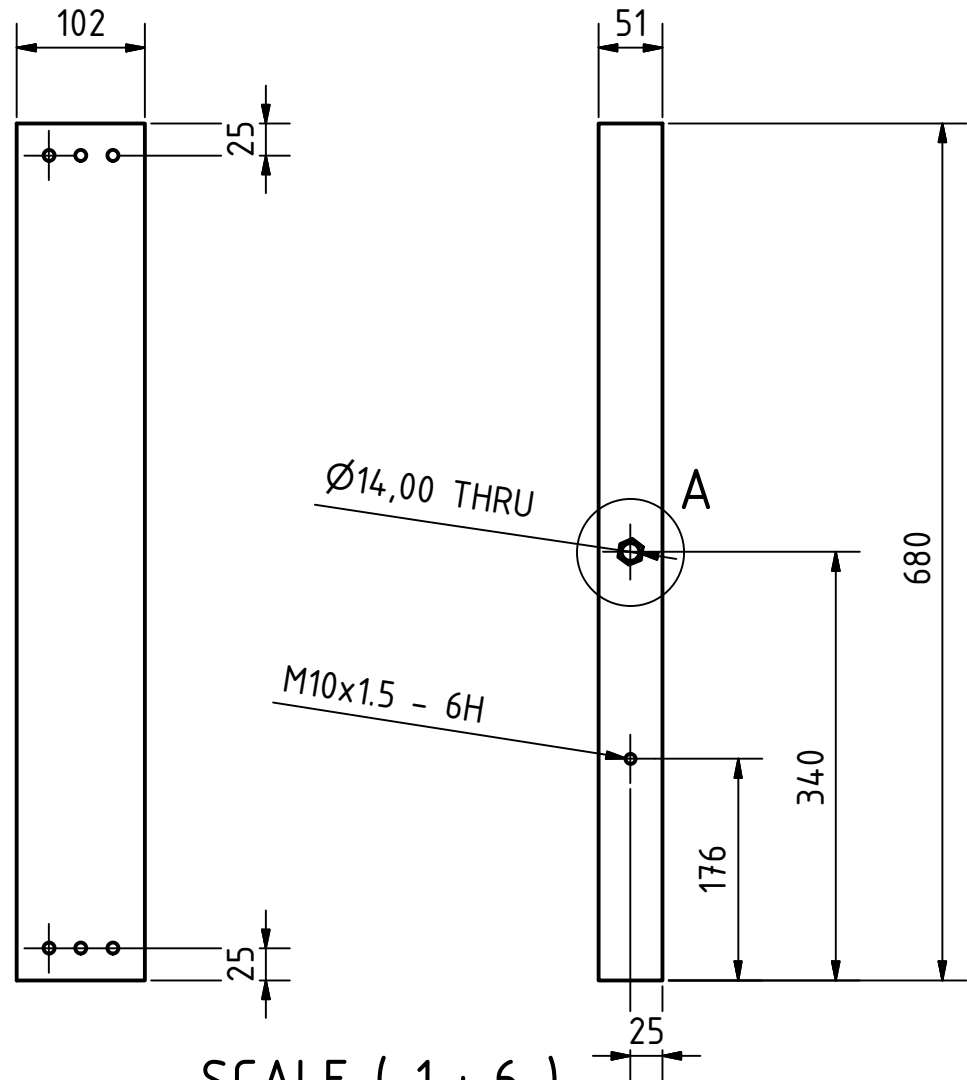
Drilling passes to insert hexagonal head.



A ( 1 : 3 )



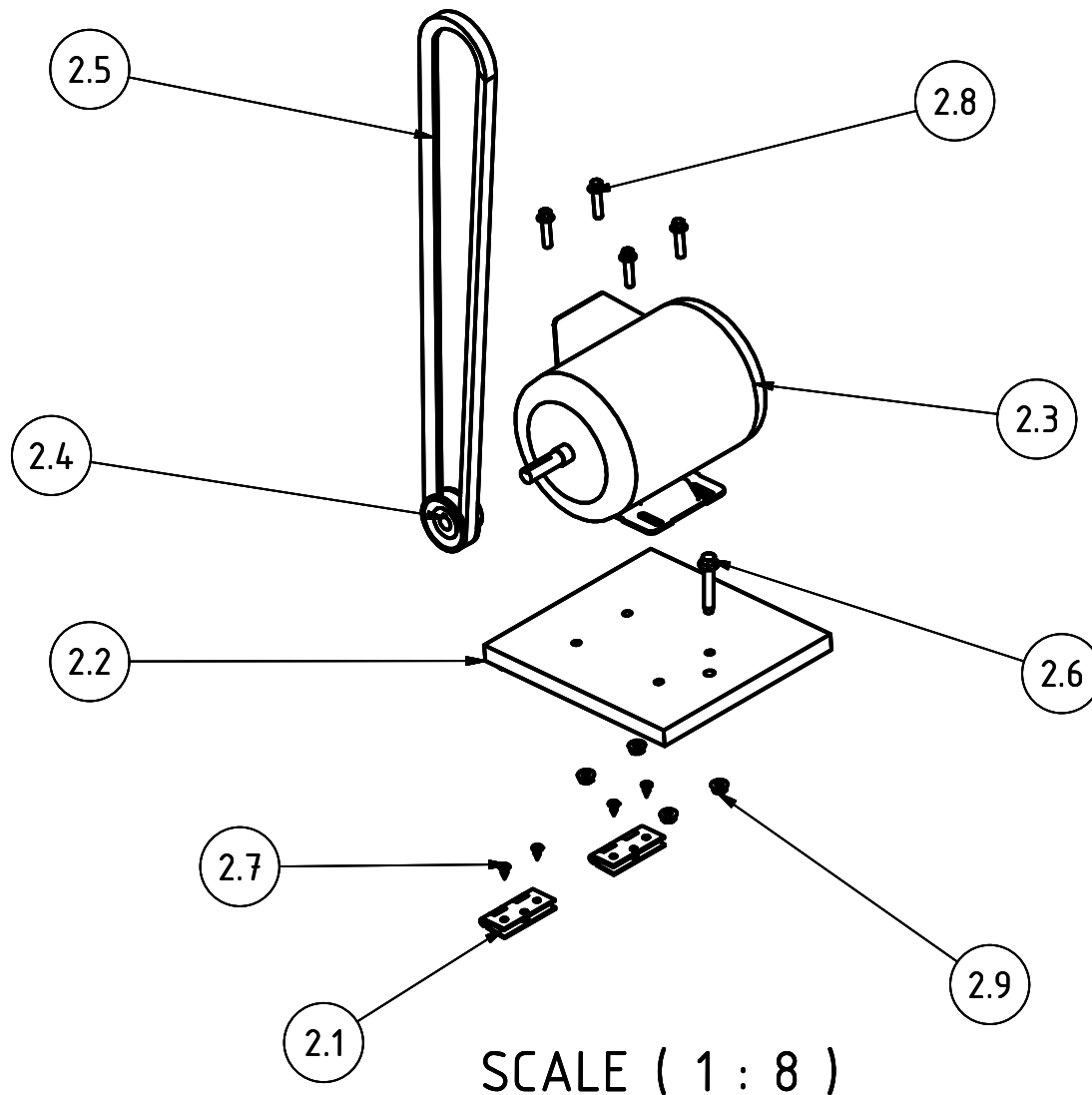
B-B ( 1 : 3 )



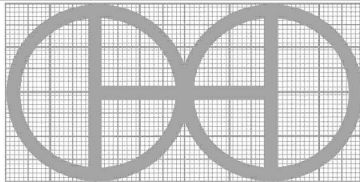
SCALE ( 1 : 6 )

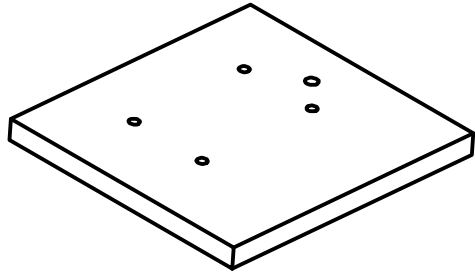
Note: All units in mm.

PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Thickness Sander	L. RUDA	A. MORILLO	06/10/2021	1.0
PART NAME	FILE NAME			POS
Top side	Top side.ipt			1.3
PUBLISHED BY		DOC. TYPE	MATERIAL	QUANTITY
		Part	Hardwood	4
		LICENCE	SCALE	SHEET
OHO e.V.		CC-BY-SA 4.0	1:6	9 /22

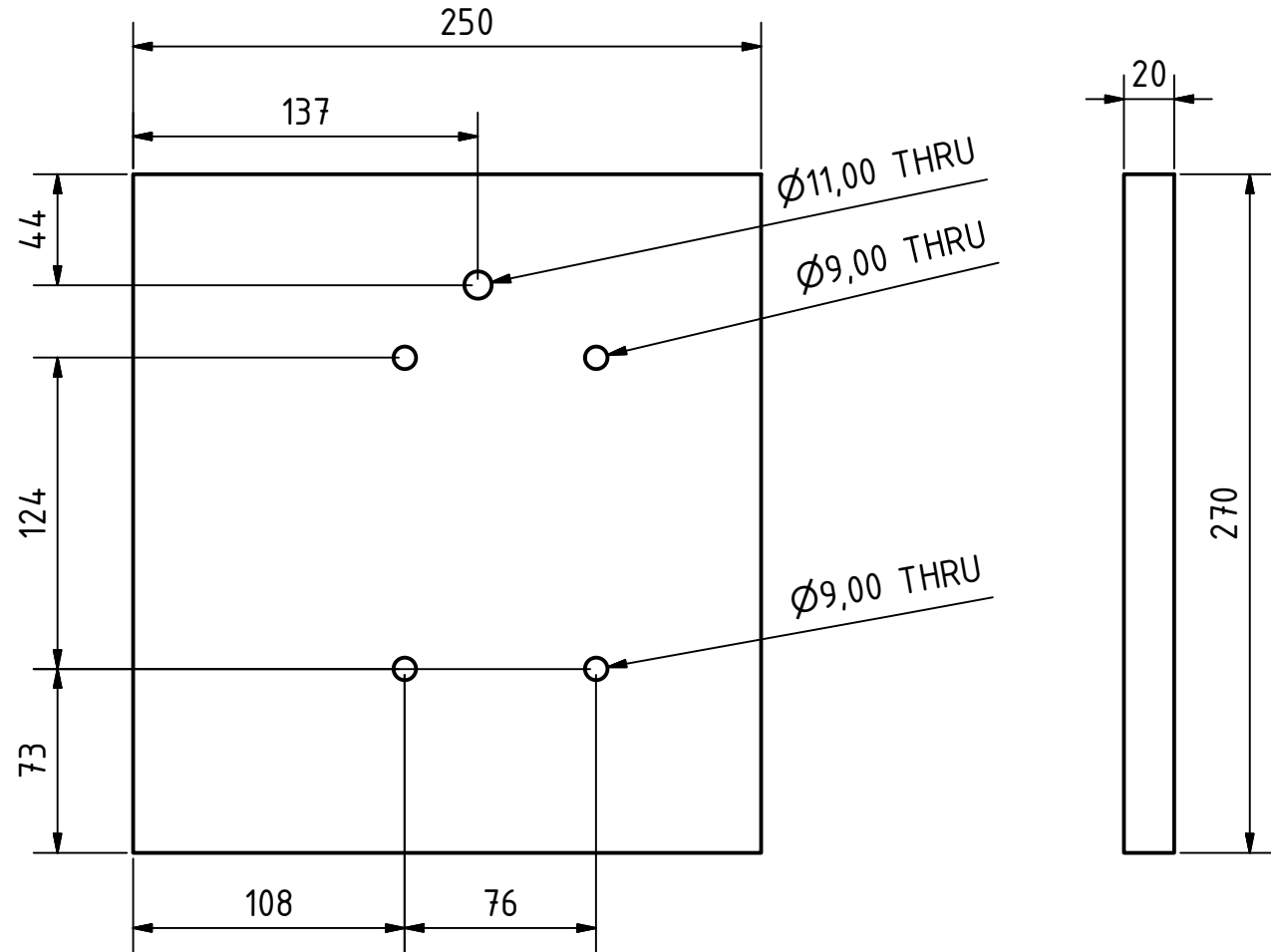


Note: All units in mm.

PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Thickness Sander	L. RUDA	A. MORILLO	06/10/2021	1.0
PART NAME	FILE NAME	POS		
Motor assembly	Motor assembly.iam	2.0		
PUBLISHED BY		DOC. TYPE	MATERIAL	QUANTITY
OHO e.V.		Assembly		1
		LICENCE	SCALE	SHEET
		CC-BY-SA 4.0	1:8	10 /22



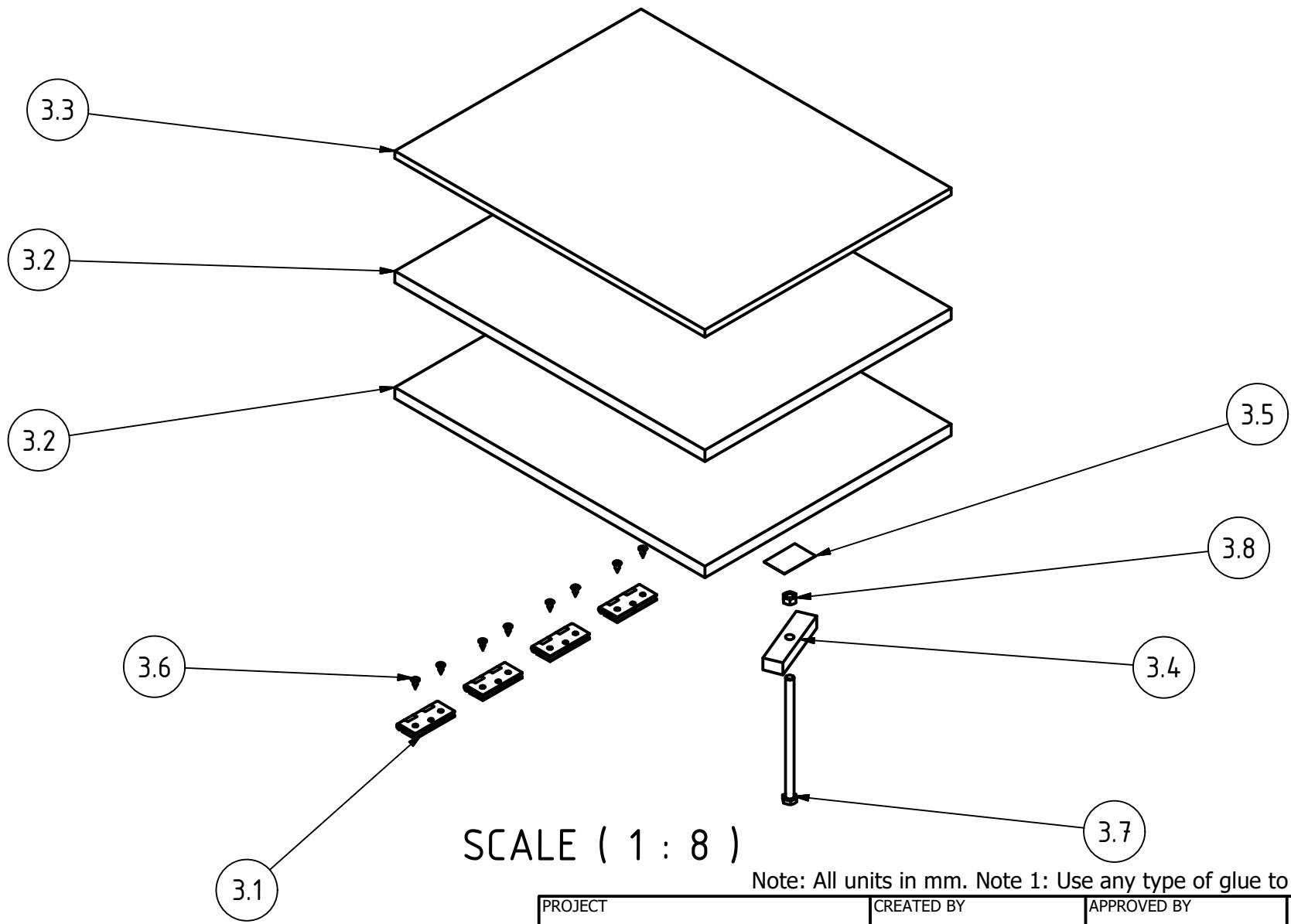
SCALE ( 1 : 6 )



SCALE ( 1 : 3 )

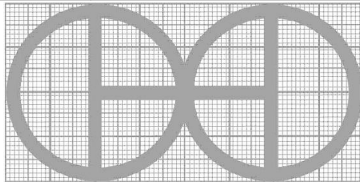
Note: All units in mm.

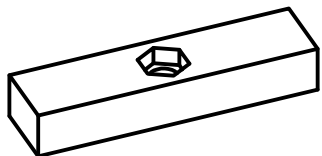
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Thickness Sander	L. RUDA	A. MORILLO	06/10/2021	1.0
PART NAME	FILE NAME			POS
Base motor	Base motor.ipt			2.2
PUBLISHED BY		DOC. TYPE	MATERIAL	QUANTITY
		Part	Hardwood	1
OHO e.V.		LICENCE	SCALE	SHEET
		CC-BY-SA 4.0	1:3	11 /22



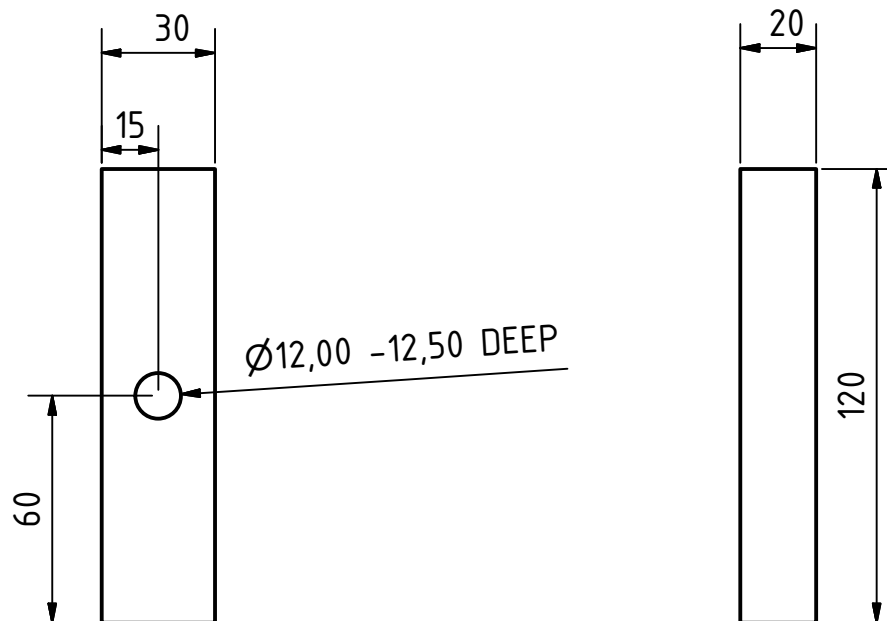
SCALE ( 1 : 8 )

Note: All units in mm. Note 1: Use any type of glue to join the pieces of wood.

PROJECT	CREATED BY	APPROVED BY	DATE	VERSION	
Thickness Sander	L. RUDA	A. MORILLO	06/10/2021	1.0	
PART NAME	FILE NAME			POS	
Table assembly	Table assembly.iam			3.0	
PUBLISHED BY			DOC. TYPE	MATERIAL	QUANTITY
OHO e.V.			Assembly		1
	LICENCE	SCALE	SHEET		
	CC-BY-SA 4.0	1:8	12 /22		



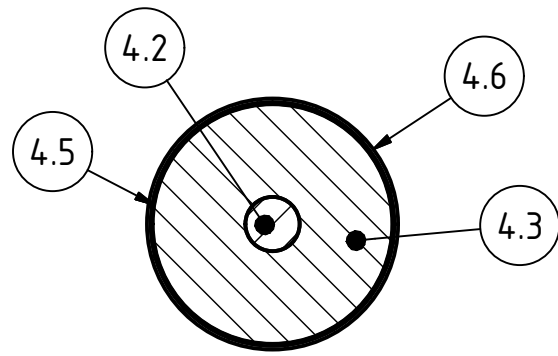
SCALE ( 1 : 3 )



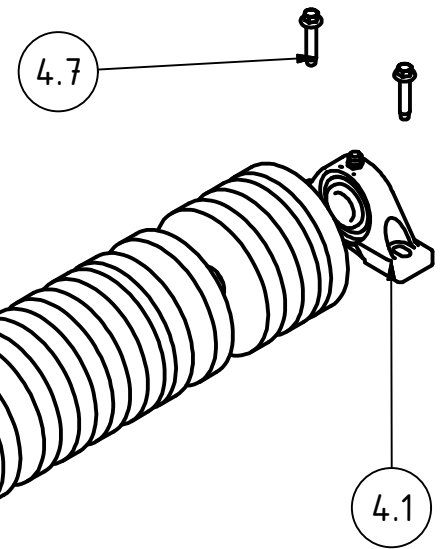
SCALE ( 1 : 2 )

Note: All units in mm.

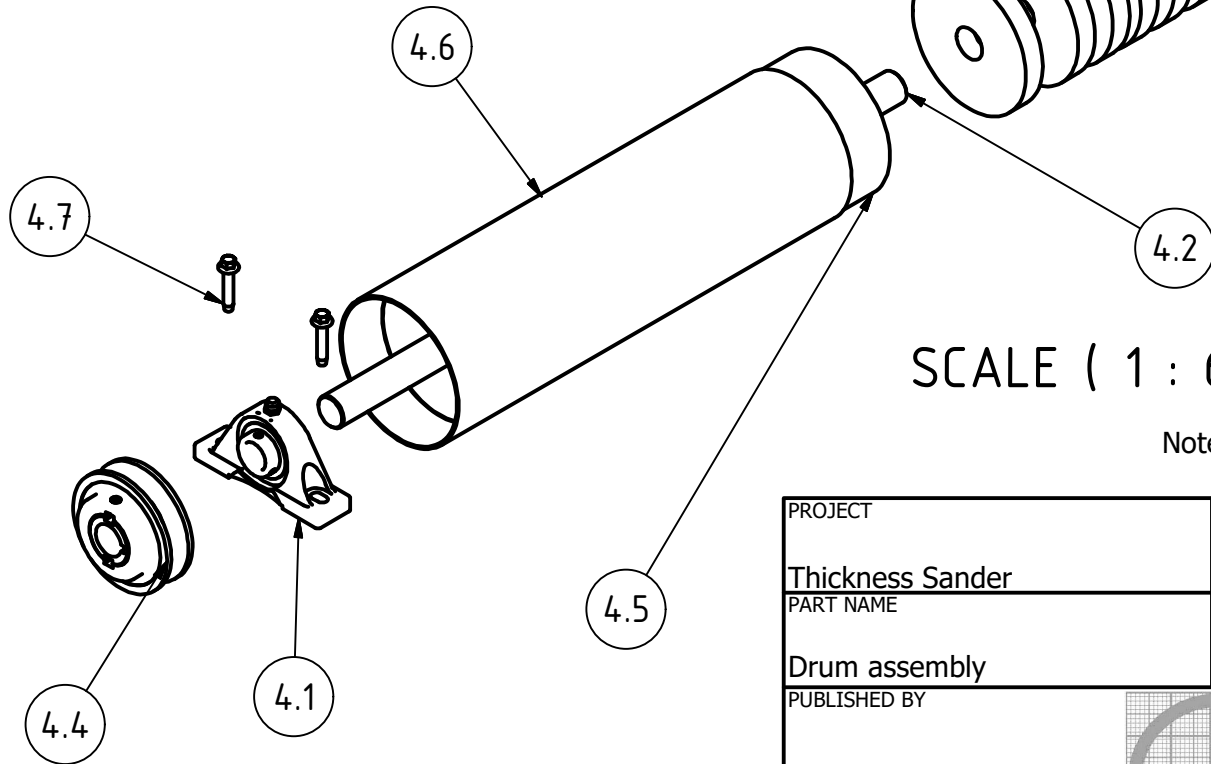
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Thickness Sander	L. RUDA	A. MORILLO	06/10/2021	1.0
PART NAME	FILE NAME			POS
Handle	Handle.ipt			3.4
PUBLISHED BY		DOC. TYPE	MATERIAL	QUANTITY
		Part	Hardwood	1
		LICENCE	SCALE	SHEET
OHO e.V.		CC-BY-SA 4.0	1:2	13 /22



Cross view  
( 1 : 4 )



SCALE ( 1 : 6 )



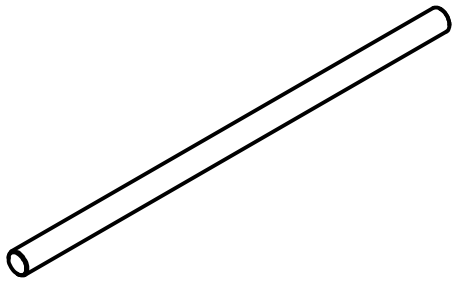
Note: All units in mm.

Note 1: Use any type of glue to join the pieces of wood.

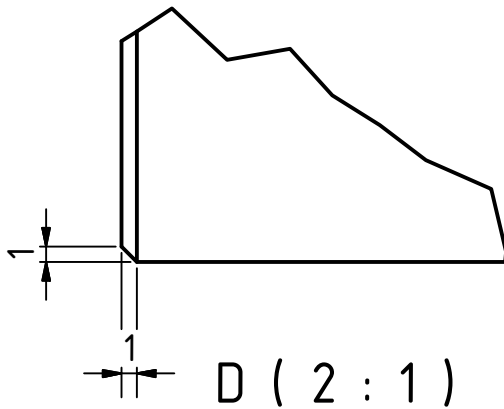
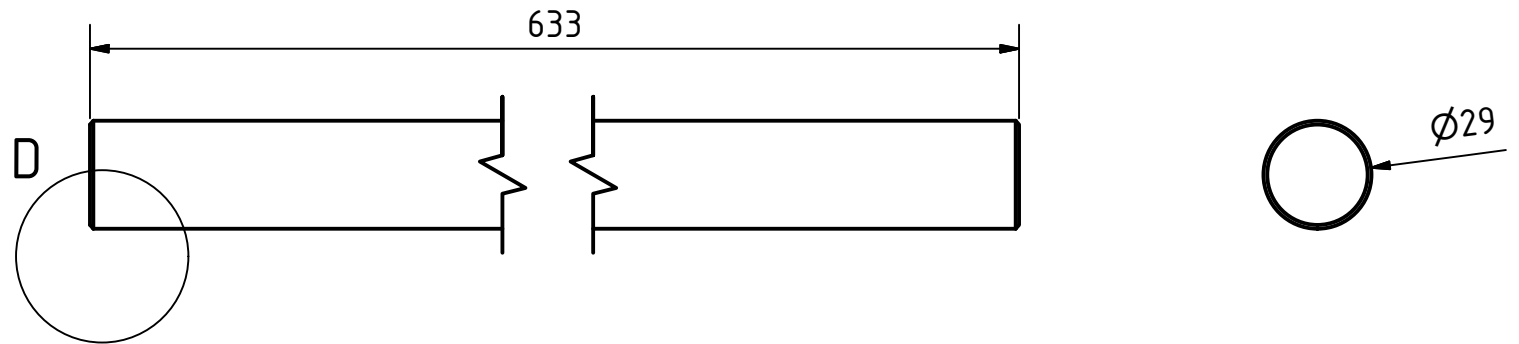
Note 2: thin Neoprene sheet cover a cylinder formed by wooden discs.

Note 3: Adhere the sandpaper to the Velcro using glue.

PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Thickness Sander	L. RUDA	A. MORILLO	06/10/2021	1.0
PART NAME	FILE NAME			POS
Drum assembly	Drum assembly.ipn			4.0
PUBLISHED BY		DOC. TYPE	MATERIAL	QUANTITY
OHO e.V.		Assembly		1
		LICENCE	SCALE	SHEET
		CC-BY-SA 4.0	1:6	14 /22



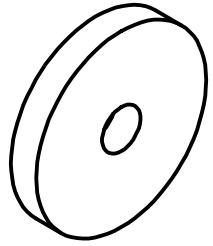
SCALE ( 1 : 8 )



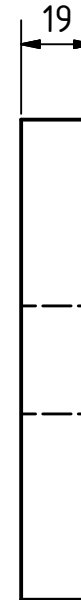
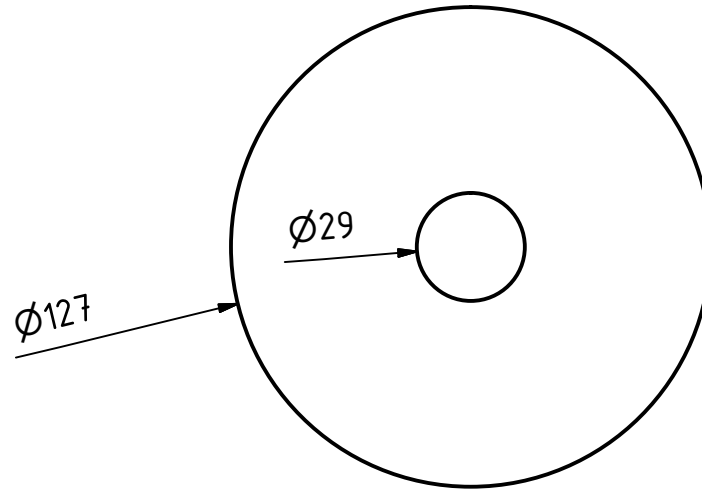
SCALE ( 1 : 2 )

Note: All units in mm.

PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Thickness Sander	L. RUDA	A. MORILLO	06/10/2021	1.0
PART NAME	FILE NAME			POS
Shaft	Shaft.ipt			4.2
PUBLISHED BY		DOC. TYPE	MATERIAL	QUANTITY
		Part	Steel A36	1
		LICENCE	SCALE	SHEET
OHO e.V.		CC-BY-SA 4.0	1:2	15 /22



SCALE ( 1 : 4 )

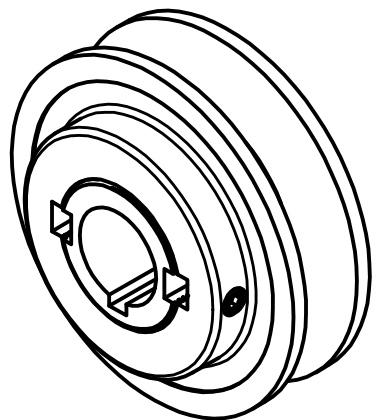


SCALE ( 1 : 2 )

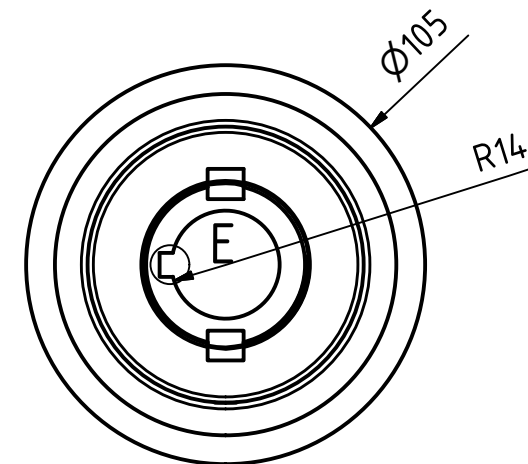
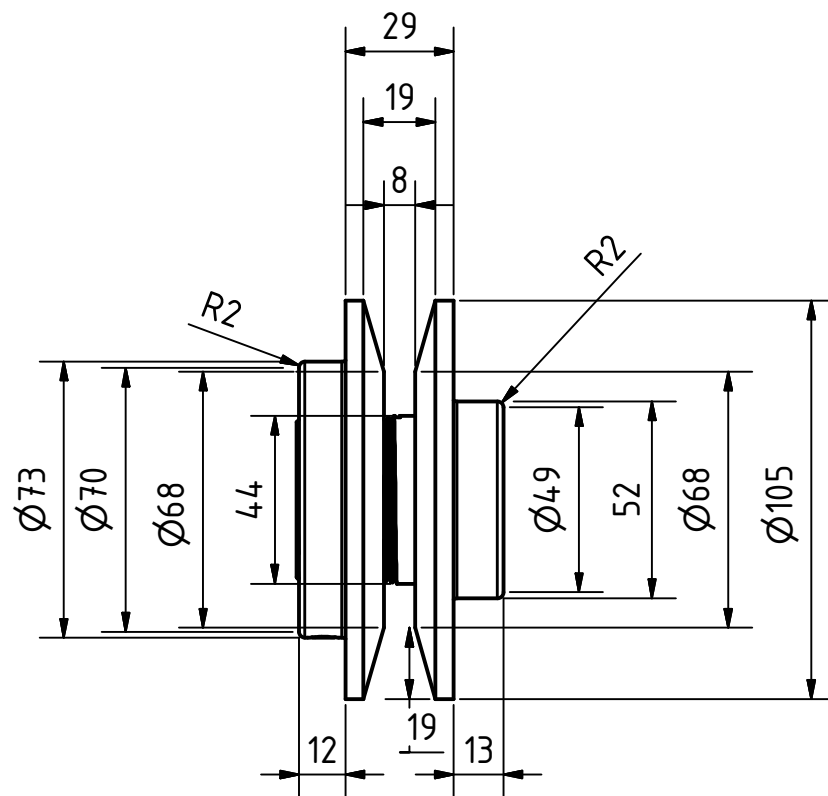
Note: All units in mm.

PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Thickness Sander	L. RUDA	A. MORILLO	06/10/2021	1.0
PART NAME	FILE NAME			POS
Disks	Disks.ipt			4.3
PUBLISHED BY		DOC. TYPE	MATERIAL	QUANTITY
OHO e.V.		Part	Hardwood	23
		LICENCE	SCALE	SHEET
		CC-BY-SA 4.0	1:2	16 /22

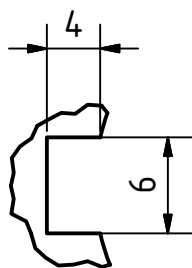




SCALE ( 1 : 2 )



SCALE ( 1 : 2 )

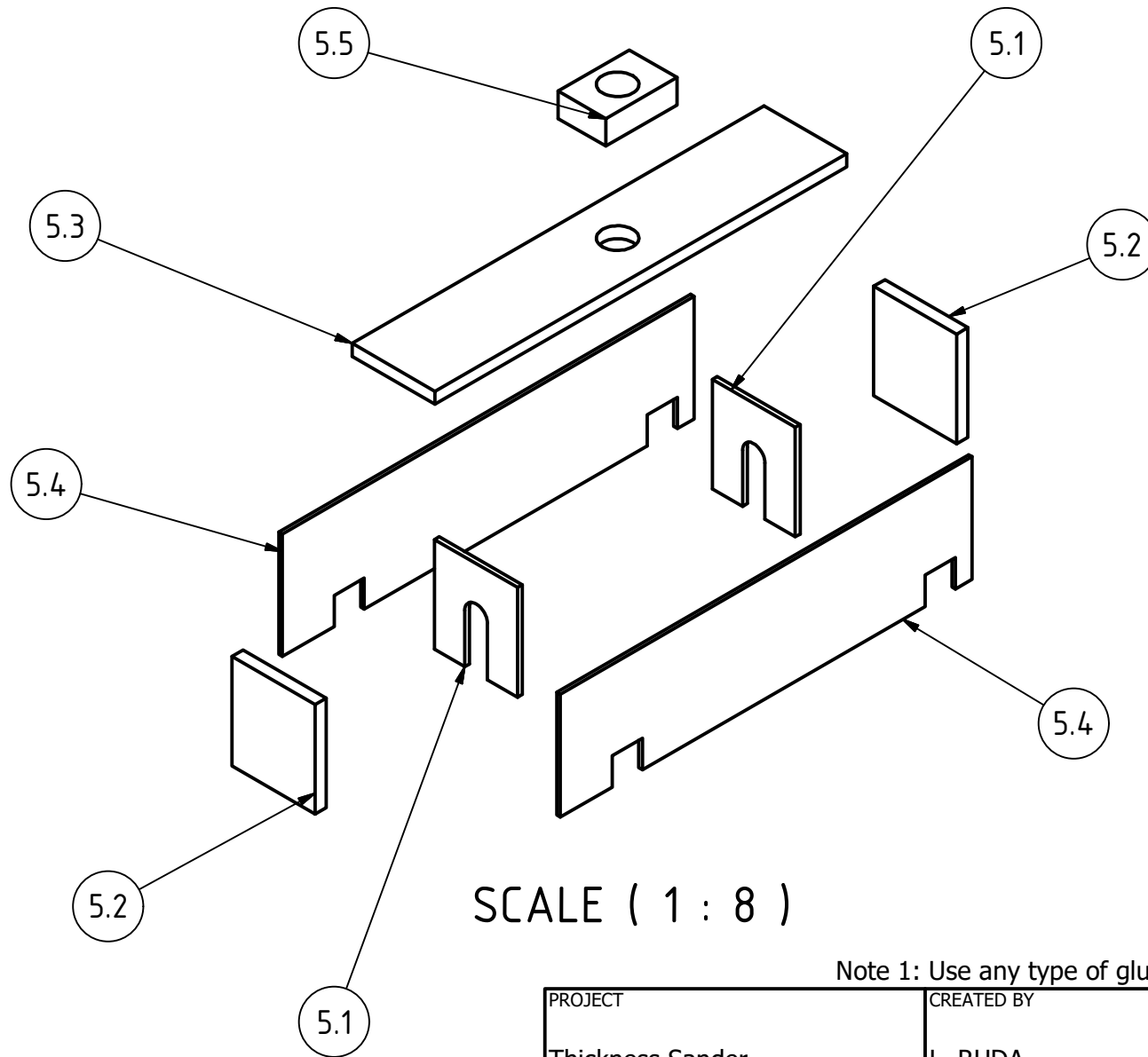


E ( 2 : 1 )

Note: All units in mm.

Note1: Use screws M5 to hold the shaft to the pulley.

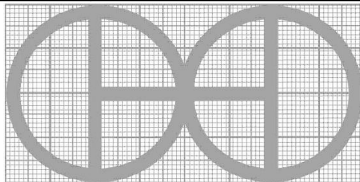
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Thickness Sander	L. RUDA	A. MORILLO	06/10/2021	1.0
PART NAME	FILE NAME			POS
Pulley 1	Pulley 1.ipt			4.4
PUBLISHED BY		DOC. TYPE	MATERIAL	QUANTITY
		Part	Hardwood	1
		LICENCE	SCALE	SHEET
OHO e.V.		CC-BY-SA 4.0	1:2	17 /22

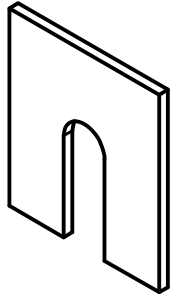


SCALE ( 1 : 8 )

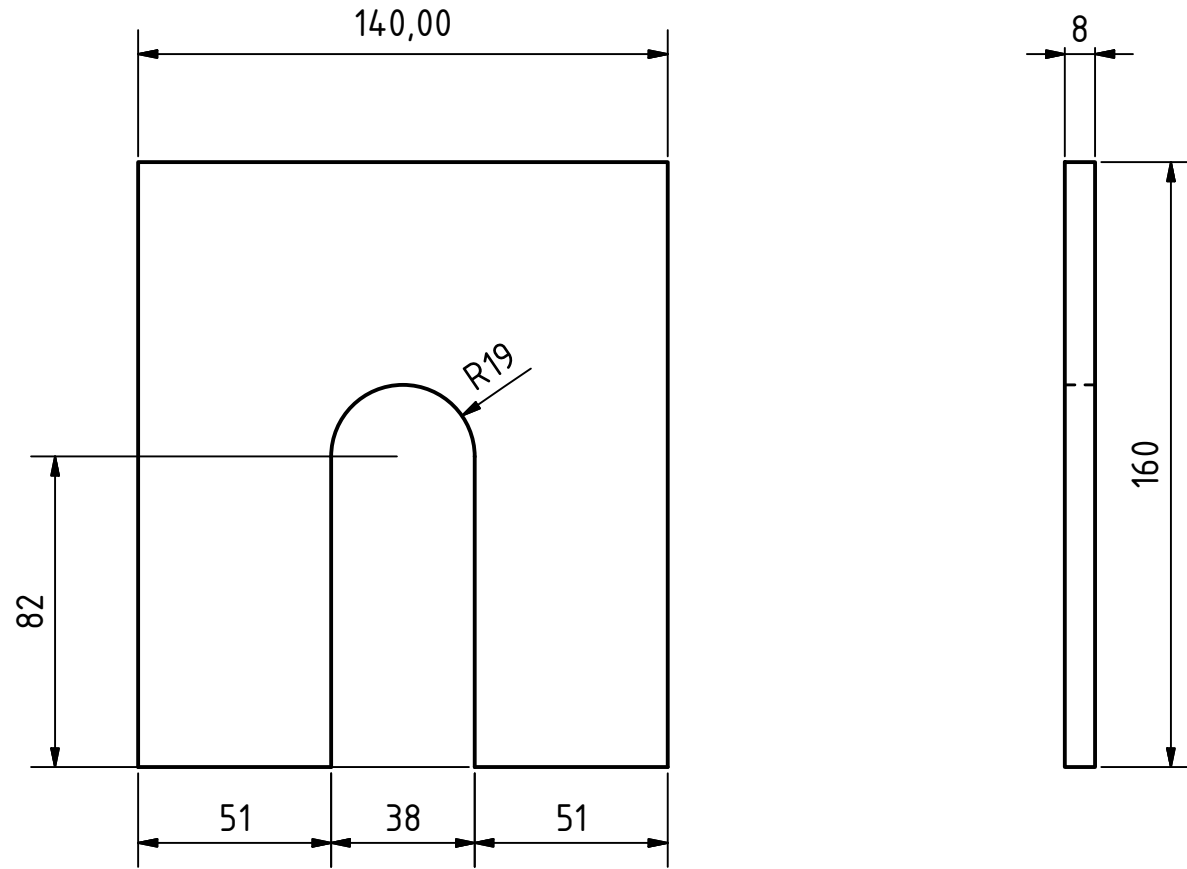
Note: All units in mm.

Note 1: Use any type of glue to join the pieces of Clear Acetate and wood.

PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Thickness Sander	L. RUDA	A. MORILLO	06/10/2021	1.0
PART NAME	FILE NAME			POS
Dust hood assembly	Dust hood assembly.ipn			5.0
PUBLISHED BY		DOC. TYPE	MATERIAL	QUANTITY
OHO e.V.		Assembly		1
		LICENCE	SCALE	SHEET
		CC-BY-SA 4.0	1:8	18 /22



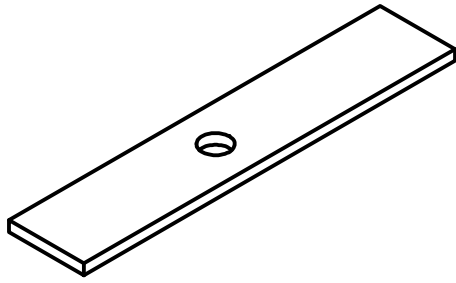
SCALE ( 1 : 5 )



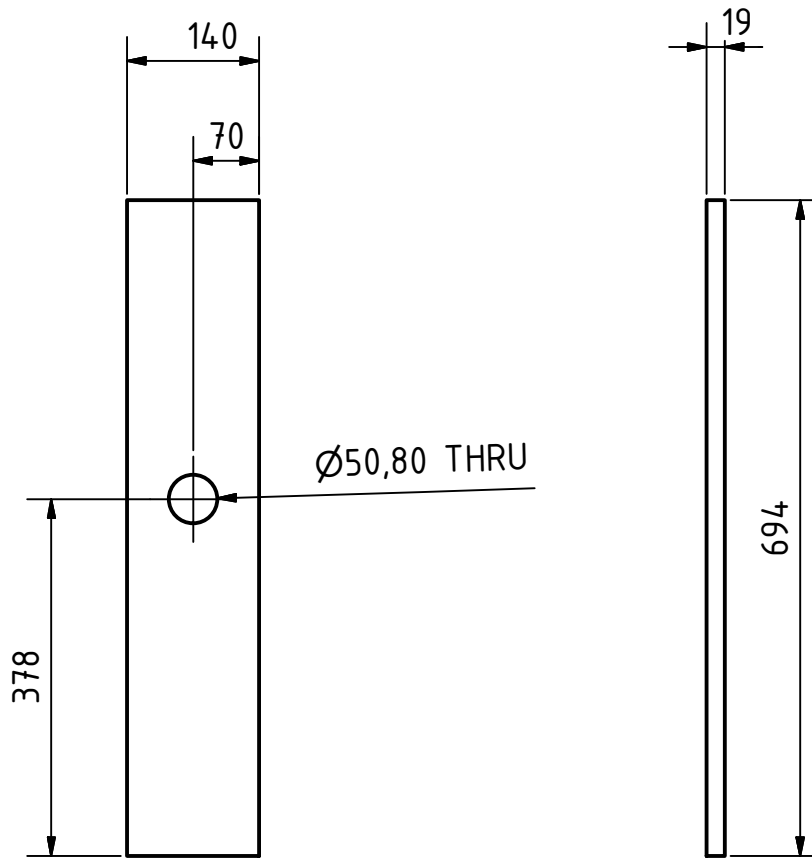
SCALE ( 1 : 2 )

Note: All units in mm.

PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Thickness Sander	L. RUDA	A. MORILLO	06/10/2021	1.0
PART NAME	FILE NAME			POS
Piece A	Piece A.ipt			5.1
PUBLISHED BY		DOC. TYPE	MATERIAL	QUANTITY
		Part	Hardwood	2
OHO e.V.		LICENCE	SCALE	SHEET
		CC-BY-SA 4.0	1:2	19 /22

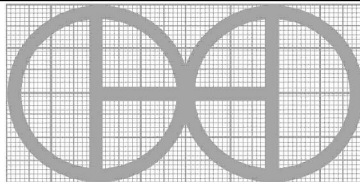
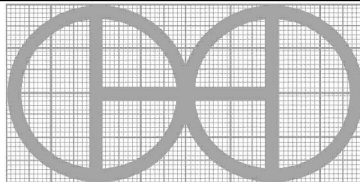


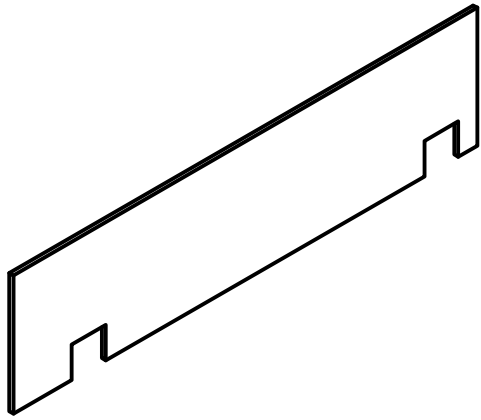
SCALE ( 1 : 10 )



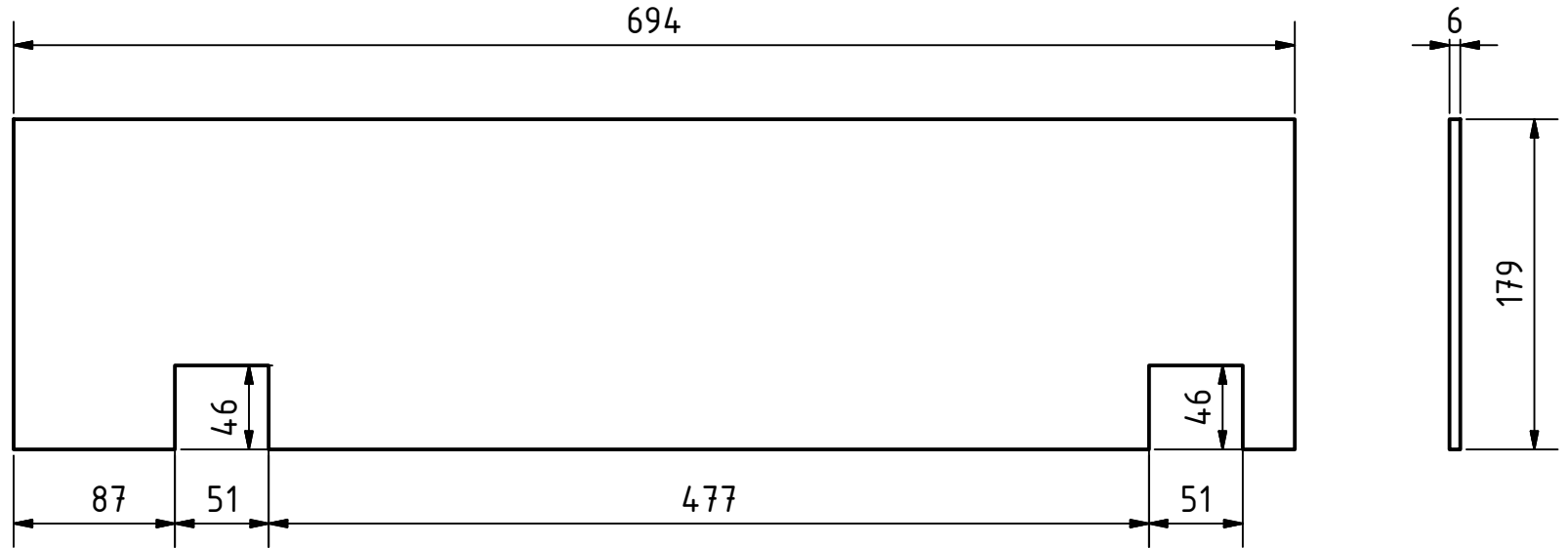
SCALE ( 1 : 8 )

Note: All units in mm.

PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Thickness Sander	L. RUDA	A. MORILLO	06/10/2021	1.0
PART NAME	FILE NAME			POS
Piece C	Piece C.ipt			5.32
PUBLISHED BY		DOC. TYPE	MATERIAL	QUANTITY
		Part	Hardwood	2
OHO e.V.		LICENCE	SCALE	SHEET
		CC-BY-SA 4.0	1:8	20 /22



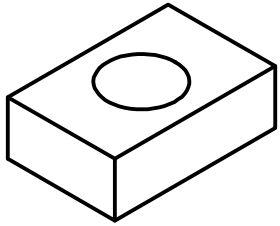
SCALE ( 1 : 8 )



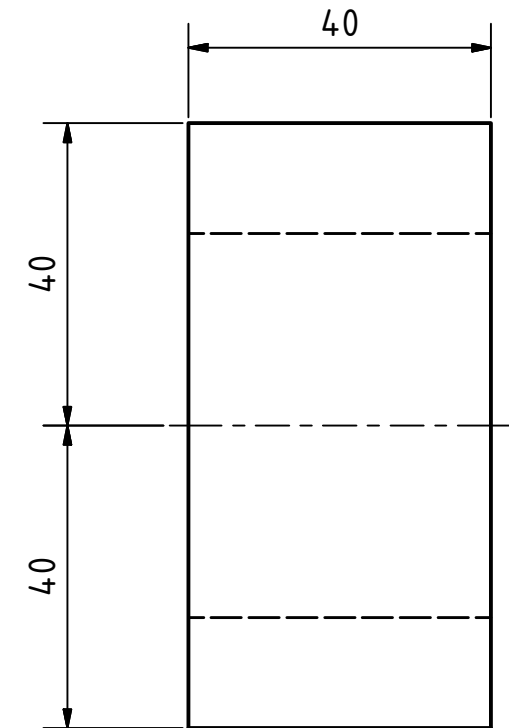
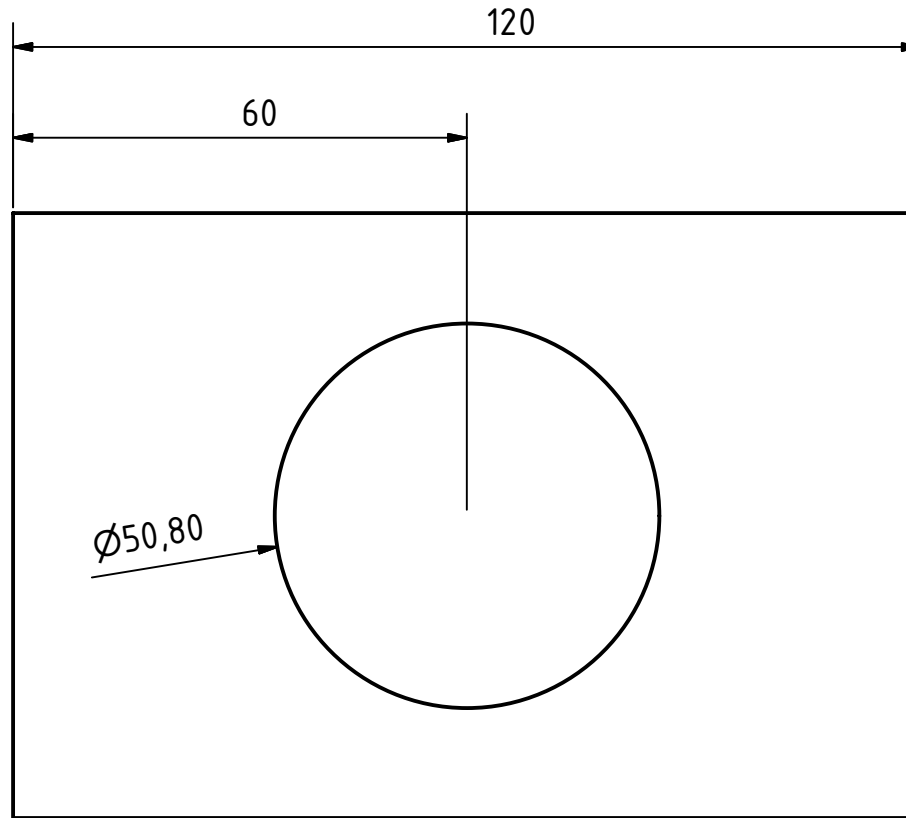
SCALE ( 1 : 4 )

Note: All units in mm.

PROJECT	CREATED BY	APPROVED BY	DATE	VERSION	
Thickness Sander	L. RUDA	A. MORILLO	06/10/2021	1.0	
PART NAME	FILE NAME			POS	
Piece D	Piece D.ipt			5.4	
PUBLISHED BY			DOC. TYPE	MATERIAL	QUANTITY
			Part	Hardwood	2
OHO e.V.	LICENCE		SCALE	SHEET	
	CC-BY-SA 4.0		1:4	21 /22	



SCALE ( 1 : 4 )



SCALE ( 1 : 1 )

Note: All units in mm.

PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Thickness Sander	L. RUDA	A. MORILLO	06/10/2021	1.0
PART NAME	FILE NAME			POS
Top	Top.ipt			5.5
PUBLISHED BY		DOC. TYPE	MATERIAL	QUANTITY
OHO e.V.		Part	Hardwood	1
		LICENCE	SCALE	SHEET
		CC-BY-SA 4.0	1:1	22 /22