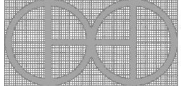
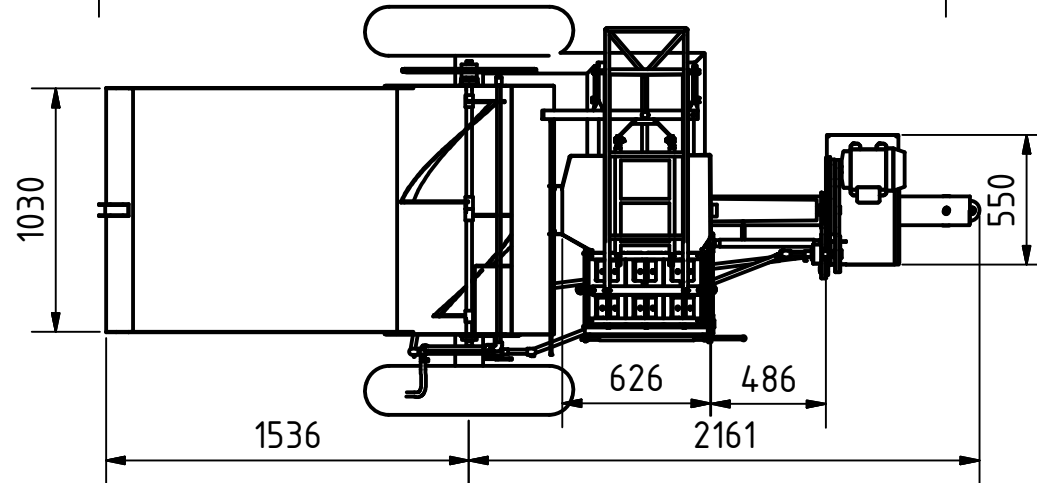
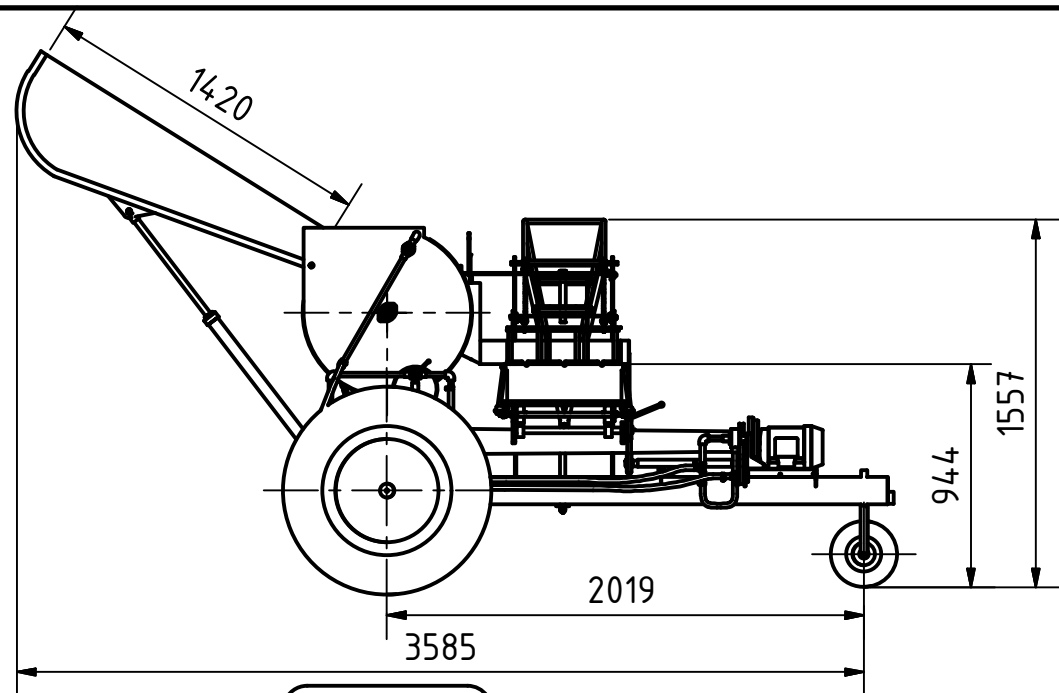
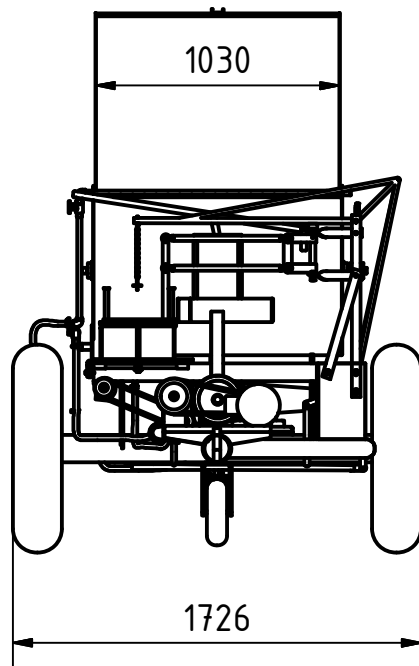


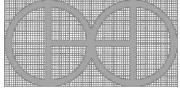
Note: All units in mm.

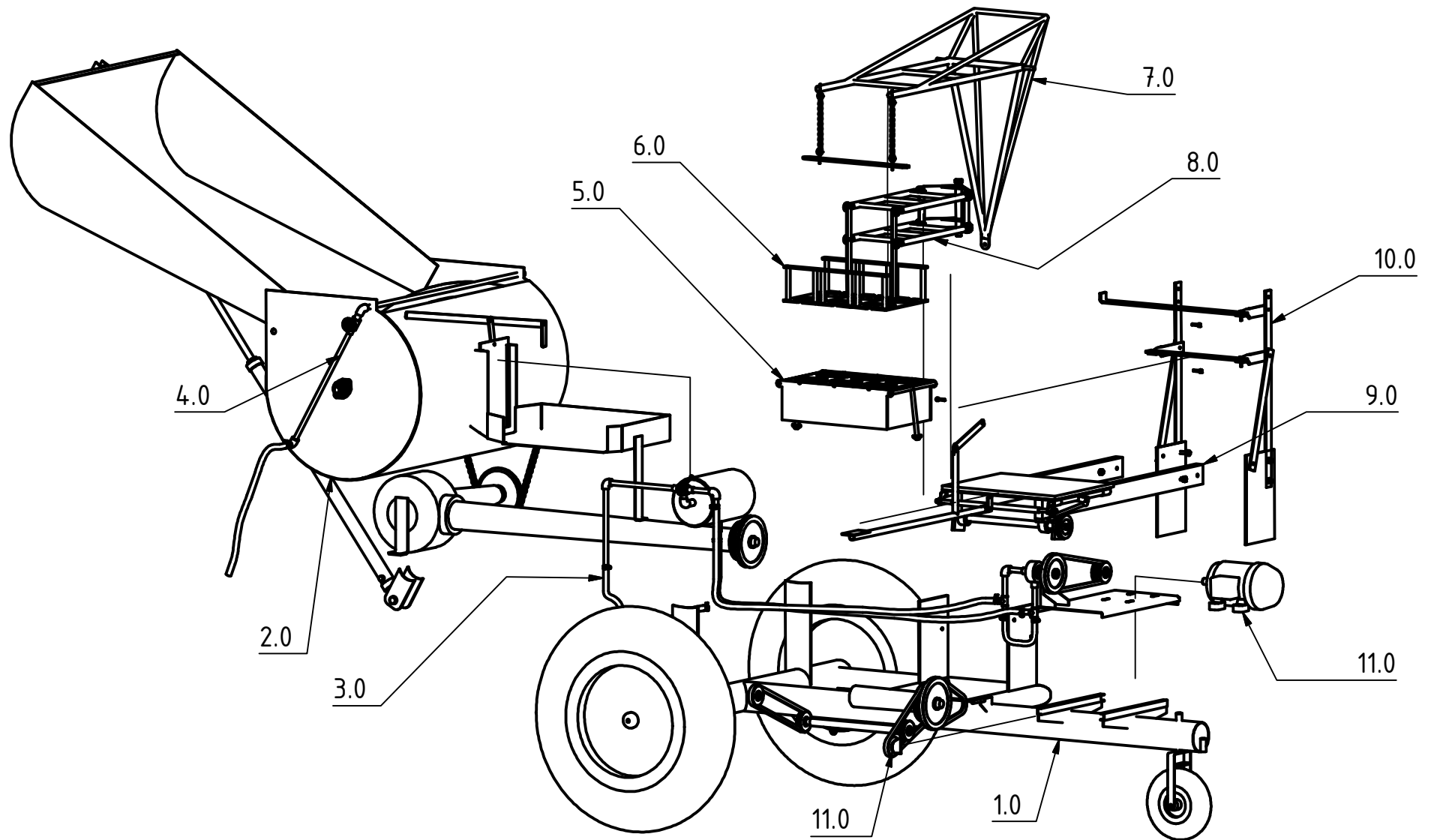
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
3D views	oho_cbm_A1-concrete-block-maker.iam			A1
PUBLISHED BY	 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development		DOC. TYPE	QUANTITY
			Assembly	1
	LICENCE		SCALE	SHEET
OHO e.V.	CC-BY-SA 4.0		1:20	1 / 119

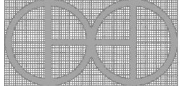
Based on drawings of Lemuel E. Shaw



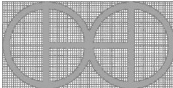
Note: All units in mm.

PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME	POS		
3D views	oho_cbm_A1-concrete-block-maker.iam	A1		
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Assembly		1	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:30	2 / 119	



PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME	POS		
Exploded 3D view	oho_cbm_A1-concrete-block-maker.ipn			A2
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Assembly		1	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:25	3 /119	

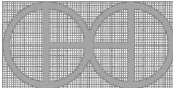
Parts list						
POS	QTY	PART NAME	FILE NAME	PART TYPE	SPECIFICATIONS	SHEET
A1	1	3D views	oho_cbm_A1-concrete-block-maker.iam			1
A1	1	3D views	oho_cbm_A1-concrete-block-maker.iam			2
A2	1	Exploded 3D view	oho_cbm_A1-concrete-block-maker.ipn			3
B1		Parts list				4
B2		Parts list				5
B3		Parts list				6
C1		Technical notes				7
1.0	1	Chasis	oho_cbm_chasis.iam			10
1.0	1	Chasis	oho_cbm_chasis.ipn			11
1.1	1	Pipe rump	oho_cbm_pipe-rump.ipt	Production	Sch 40, ASTM A36	12
1.2	1	Pipe center	oho_cbm_pipe-center.ipt	Production	Sch 40, ASTM A36	13
1.3	1	Pipe lateral	oho_cbm_pipe-lateral.ipt	Production	Sch 40, ASTM A36	14
1.4	1	Pipe support	oho_cbm_pipe-support.ipt	Production	Schd 40, ASTM A36	15
1.5	1	Pipe internal support	oho_cbm_pipe2-support.ipt	Production	Schd 40, ASTM A36	16
1.6	2	Motor braker	oho_cbm_motor-braker.ipt	Production	File U25, ASTM A36	17
1.7	2	Motor plate	oho_cbm_motor-plate.ipt	Production	e=3,0mm, Steel C45	18
1.8	1	Pipe axe front	oho_cbm_pipe-axe-front.ipt	Production	Schd 40, ASTM A36	19
1.9	1	oho_cbm_pipe-for-trailer	oho_cbm_pipe-for-trailer.ipt	Production	Schd 40, ASTM A36	20
1.10	1	Wheel support	oho_cbm_wheel-support.ipt	Production	Steel C45	21
1.11	1	Tire wheels front		Buy	Tire wheels front	
1.12	2	Axis wheels	oho_cbm_axis-wheels.ipt	Production	Steel C45	22
1.13	2	Pneumatic tire wheels		Buy	Pneumatic tire wheels, 7.00 x 32.0 and rings	
1.14	2	Mixer support plate	oho_cbm_mixer-support.ipt	Production	Steel C45	23
1.15	2	Support vibrator plate	oho_cbm_steel-plate.ipt	Production	Steel C45	24
2.0	1	Mixer	oho_cbm_Mixer.iam			25
2.0	1	Mixer	oho_cbm_Mixer.ipn			26
2.1	2	Mixer lateral plate		Standard	Mixer lateral plate, Steel C45	
2.2	1	Mixing drum	oho_cbm_mixing-drum.ipt	Production	Steel C45	27
2.3	1	Pipe support hopper	oho_cbm_hopper-pipe.ipt	Standard	Pipe support hopper, Schd 40, Steel C45	

PROJECT		CREATED BY		APPROVED BY		DATE	VERSION
Concrete block maker		D. MOSQUERA		A. MORILLO		10/09/2021	1.0
PART NAME		FILE NAME					POS
Parts list							B1
PUBLISHED BY				DOC. TYPE	MATERIAL		QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development				Parts list			
				LICENCE		SCALE	SHEET
OHO e.V.				CC-BY-SA 4.0			4 /119

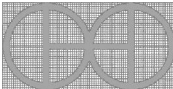
Parts list						
POS	QTY	PART NAME	FILE NAME	PART TYPE	SPECIFICATIONS	SHEET
2.4	2	Hopper plate lateral	oho_cbm_hopper-lateral.ipt	Production	Steel C45	28
2.5	1	Hopper sheet	oho_cbm_hopper-sheet.ipt	Production	Steel C45	29
2.6	1	Channel iron	oho_cbm_channel-iron.ipt	Production	UP50 standard, ASTM A36	30
2.7	2	Plate support hopper	oho_cbm_support-hopper.ipt	Production	Steel C45	31
2.8	1	Helice mixer	oho_cbm_helice-mixer.iam			32
2.8	1	Helice mixer	oho_cbm_helice-mixer.ipn			33
2.8.1	1	Mixer axle	oho_cbm_mixer-axle.ipt	Production	Steel C45	34
2.8.2	2	Steel mixing	oho_cbm_steel-mixing.ipt	Production	Steel C45	35
2.8.3	4	Bolt pin		Standard	Bolt pin, M6 x L:40	
2.8.4	4	Nut		Standard	Nut, M6	
2.9	1	Mixer door	oho_cbm_door.ipt	Production	Steel C45	36
2.10	1	Discharge channel	oho_cbm_discharge-channel.ipt	Production	Steel C45	37
2.11	2	Door guie	oho_cbm_door-guie.ipt	Production	Steel C45	38
2.12	1	Concrete bin	oho_cbm_concrete-bin.ipt	Production	Steel C45	39
2.13	1	Plate support bin	oho_cbm_support-bin.ipt	Production	Steel C45	40
2.14	1	Door action	oho_cbm_door-action.ipt	Production	Steel C45	41
2.15	1	Door plate	oho_cbm_door-plate.ipt	Production	Steel C45	42
2.16	1	Door plate pivote	oho_cbm_door-pivote.ipt	Production	Steel C45	43
2.17	1	Fly wheel motor		Buy	Fly wheel motor, D:200 v-grooved	
2.18	1	Fly wheel Pump		Buy	Fly wheel Pump, D:100 v-grooved	
2.19	1	Main drive		Buy	Main drive, Ford Model-A rear axle and drive shaft	
2.20	1	Mixer driver1 shaft		Buy	Mixer driver1 shaft, M40 Z:32	
2.21	1	Driver shaft		Buy	Driver shaft, M40 Z:82	
2.22	1	Mixer chain		Buy	Mixer chain, chain roller transmission M40 L:3,0 m	
2.23	2	Bearing	oho_cbm_bearing-support.iam		bearing 6205 - 25x56x15 and base	44
3.0	1	Hidraulic sistem	oho_cbm_hidraulic-sistem.iam			45
3.0	1	Hidraulic Sistem	oho_cbm_hidraulic-sistem.ipn			46
3.1	1	Fluid tank	oho_cbm_fluid-tank.ipt	Production	Cap 9,0 lIts, Steel C45	47
3.2	1	3 way valve		Buy	3 way valve, D: 1/4 NPT x3 manual	
3.3	2	Pipe hydraulic	oho_cbm_pipe-hydraulic.ipt	Production	Schd 40, Steel Galvanized	48
3.4	3	Elbow		Standard	Elbow, D:1/2" , Galvanized Steel	

<div> <div></div> <div> <div> <div></div> <div></div> </div> <div> <div>OPEN HARDWARE OBSERVATORY</div> <div>Free Blueprints for Sustainable Development</div> </div> </div> <div>OHO e.V.</div> </div>		PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
		Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
		PART NAME	FILE NAME			POS
		Parts list				B2
PUBLISHED BY				DOC. TYPE	MATERIAL	QUANTITY
				Parts list		
				LICENCE	SCALE	SHEET
				CC-BY-SA 4.0		5 /119

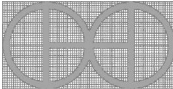
Parts list						
POS	QTY	PART NAME	FILE NAME	PART TYPE	SPECIFICATIONS	SHEET
3.5	1	Flexible hose for cilinder		Buy	Flexible hose for cilinder, D:1/2" L:750 mm, Rubber	
3.6	2	Cilinder plate support	oho_cbm_cilinder-support.ipt	Production	Steel C45	52
3.7	1	Hidraulic cylinder		Buy	Hidraulic cylinder, D:50 x 900 x 25 simple effect	
3.8	5	Pipe short hydraulic	oho_cbm_pipe2-hydraulic.ipt	Production	D:1/2", Galvanized steel	53
3.9	8	Hose clamp		Standard	Hose clamp	
3.10	5	Adaptor hose		Standard	Adaptor hose, 1/2"x1/2"	
3.11	1	flexible hose tank		Buy	flexible hose tank, D:1/2" L:1610, Rubber	
3.12	1	flexible hose pump		Standard	flexible hose pump, D:1/2" L:1800 mm	
3.13	2	Tee		Standard	Tee, D:1/2", Galvanised Steel	
3.14	1	Hydraulic pump		Buy	Hydraulic pump, D:1/2"x1/2"	
3.15	1	Support pump	oho_cbm_support-pump.ipt	Production	Steel C45	54
3.16	1	Fly wheel pump		Standard	Fly wheel pump, D:70 v-grooved, Steel C45	
4.0	1	Water sistem	oho_cbm_water-sistem.iam			55
4.0	1	Water sistem	oho_cbm_water-sistem.ipn			56
4.1	1	Pipe scatter	oho_cbm_pipe3-hydraulic.ipt	Production	D:1/2", Galvanized Steel	57
4.2	2	Elbow		Standard	Elbow, D:1/2", Galvanized steel	
4.3	1	Valve		Standard	Valve, D:1/2", Galvanize steel	
4.4	1	Pipe water	oho_cbm_pipe4-hydraulic.ipt	Production	D:1/2", Galvanizec steel	58
4.5	1	hose adapter		Standard	hose adapter, D:1/2"	
4.6	1	Adaptor hose		Standard	Adaptor hose, 1/2"x1/2", Galvanized steel	
4.7	1	flexible hose water		Buy	flexible hose water, D:1/2", Rubber	
5.0	1	Mold block	oho_cbm_mold.iam			59
5.0	1	Mold block	oho_cbm_mold.ipn			60
5.1	4	Sheet metal lateral	oho_cbm_sheet-lateral.ipt	Production	Steel C45	61
5.2	2	Sheet metal front	oho_cbm_sheet-front.ipt	Production	Steel C45	62
5.3	3	core	oho_cbm_core.ipt	Production	Steel C45	63
5.4	3	Core rod	oho_cbm_core-rod.ipt	Production	Steel C45	64
5.5	2	Clamp rod	oho_cbm_clamp-rod.ipt	Production	Steel C45	65
6.0	1	Ejector	oho_cbm_ejector-plate.iam			66
6.0	1	Ejector	oho_cbm_ejector-plate.ipn			67
6.1	6	Plate	oho_cbm_plate.ipt	Production	Steel C45	68

PROJECT		CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker		D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME		FILE NAME			POS
Parts list					B3
PUBLISHED BY			DOC. TYPE	MATERIAL	QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development			Parts list		
			LICENCE		SCALE
OHO e.V.			CC-BY-SA 4.0		6 /119

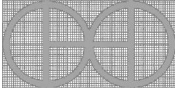
Parts list						
POS	QTY	PART NAME	FILE NAME	PART TYPE	SPECIFICATIONS	SHEET
9.0	1	Vibrator	oho_cbm_vibrator2.iam			94
9.0	1	Vibrator	oho_cbm_vibrator2.ipn			95
9.1	2	Hardwood	oho_cbm_hardwood.ipt	Production	Wodd	96
9.2	1	Plate wood	oho_cbm_plate-wood.ipt	Production	Wood	97
9.3	1	Sheet bed	oho_cbm_sheet-bed.ipt	Production	Steel C45	98
9.4	2	Mold tensor	oho_cbm_tensor.iam	Production	pipng solder, Steel C45	99
9.5	4	Nipple	oho_cbm_nipple.ipt	Production	Schd 40, ASTM A36	100
9.6	2	Plate tensor	oho_cbm_plate-tensor.ipt	Production	Steel C45	101
9.7	1	Fixes tube	oho_cbm_fixes-tube.ipt	Production	Steel C45	102
9.8	1	Nut fixer		Standard	Nut fixer, M12	
9.9	1	Camp	oho_cbm_cam.ipt	Production	Steel C45	103
9.10	1	Vibrator axis	oho_cbm_vibrator-axis.ipt	Production	Steel C45	104
9.11	2	Clamp axis		Standard	Clamp axis, D: 25,0 - UCP type - bridge type	
9.12	2	Vibrator off center	oho_cbm_vibrator-off-center.ipt	Production	Steel C45	105
9.13	1	pulley		Standard	pulley, trapezoidal canal	
8.14	4	Bolt		Standard	Bolt, M10 L:40 DIN-933	
9.15	4	Nut		Standard	Nut, M10 DIN-934	
10.0	1	Support crane	oho_cbm_support-crane.iam			106
10.0	1	Support crane	oho_cbm_support-crane.ipn			107
10.1	2	Plate vertical	oho_cbm_plate-vertical.ipt	Production	ASTM A36	108
10.2	2	Plate diagonal	oho_cbm_plate-diagonal.ipt	Production	ASTM A36	109
10.3	4	Plate transv	oho_cbm_plate-transv.ipt	Production	ASTM A36	110
10.4	1	Plate support axis	oho_cbm_plate-support-ejector.ipt	Production	ASTM A36	111
10.5	1	Plate2 support axis	oho_cbm_plate2-support-ejector.ipt	Production	ASTM A36	112
10.6	6	Bolt		Standard	Bolt, M6 x 40 DIN 933	
10.7	6	Nut		Standard	Nut, M6 DIN 934	
11.0	1	Driver	oho_cbm_driver.iam			113
11.0	1	Driver	oho_cbm_driver.ipn			114
11.1	2	Fly wheel		Standard	Fly wheel	
11.2	1	Pipe of axis	oho_cbm_pipe-axis.ipt	Production	Steel C45	115
11.3	1	Transmission vibrator axis	oho_cbm_transmission-vibrator-axis.ipt	Production	Steel C45	116

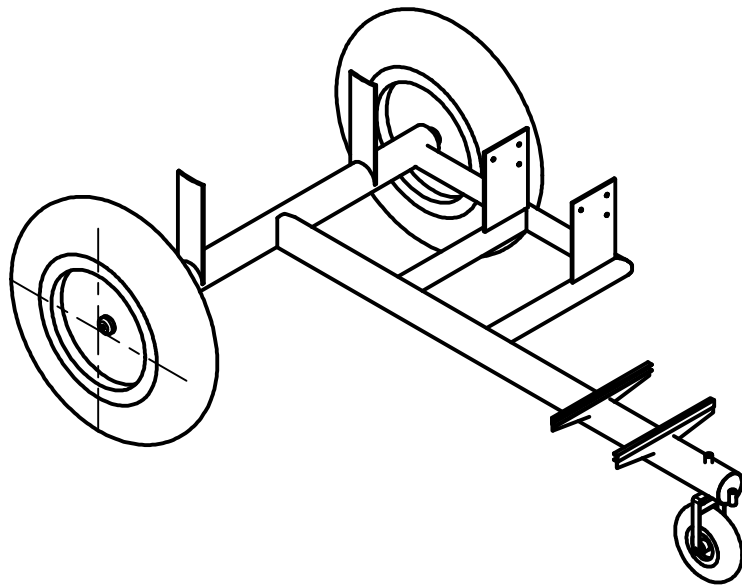
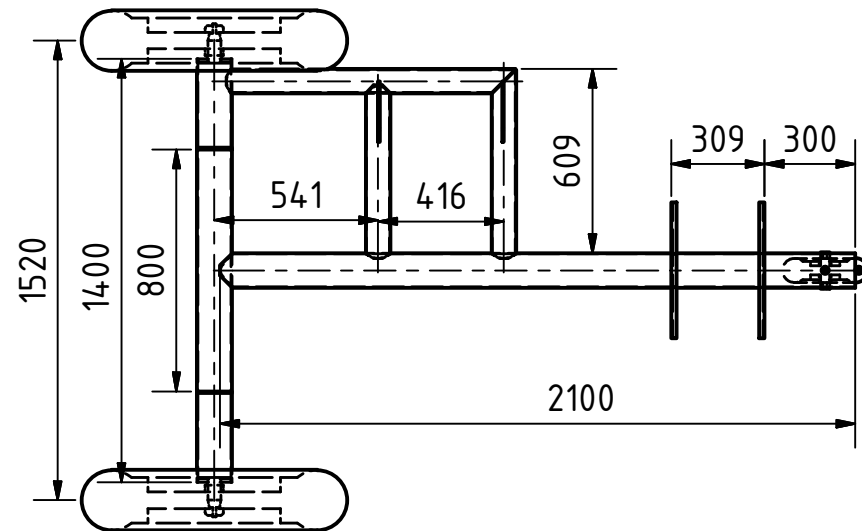
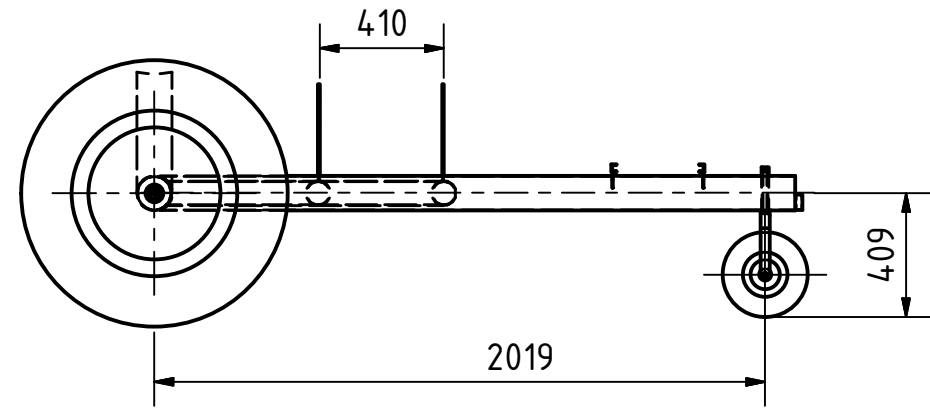
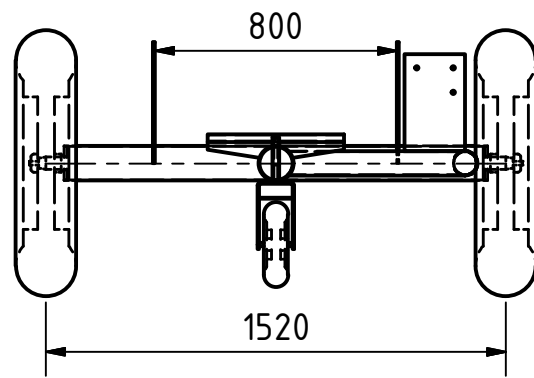
PROJECT		CREATED BY		APPROVED BY		DATE		VERSION	
Concrete block maker		D. MOSQUERA		A. MORILLO		10/09/2021		1.0	
PART NAME		FILE NAME							POS
Parts list									B5
PUBLISHED BY				DOC. TYPE		MATERIAL		QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development				Parts list					
				LICENCE		SCALE		SHEET	
OHO e.V.				CC-BY-SA 4.0				8 /119	

Parts list						
POS	QTY	PART NAME	FILE NAME	PART TYPE	SPECIFICATIONS	SHEET
11.4	1	Support axis	oho_cbm_support-axis.ipt	Production	Steel C45	117
11.5	1	Fly wheel axle	oho_cbm_Fly-wheel-axle.ipt	Production	Steel C45	118
11.6	1	Base motor	oho_cbm_base-motor.ipt	Production	Steel C45	119
11.7	1	Belt vibrator		Standard	Belt vibrator, type V, #B36, rubber	
11.8	1	oho_cbm_belt-trans		Standard	oho_cbm_belt-trans, type V, #B22, Rubber	
11.9	1	Belt trans pump		Standard	Belt trans pump, type V, #B67, Rubber	
11.10	1	belt trans mixer		Standard	belt trans mixer, type V, #B30, Rubber	
11.11	1	Motor		Buy	Motor , 2HP; 220v ó 110V - 60Hz	

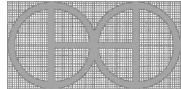
PROJECT		CREATED BY		APPROVED BY		DATE	VERSION
Concrete block maker		D. MOSQUERA		A. MORILLO		10/09/2021	1.0
PART NAME		FILE NAME					POS
Parts list							B6
PUBLISHED BY				DOC. TYPE	MATERIAL		QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development				Parts list			
				LICENCE		SCALE	SHEET
OHO e.V.				CC-BY-SA 4.0			9 /119

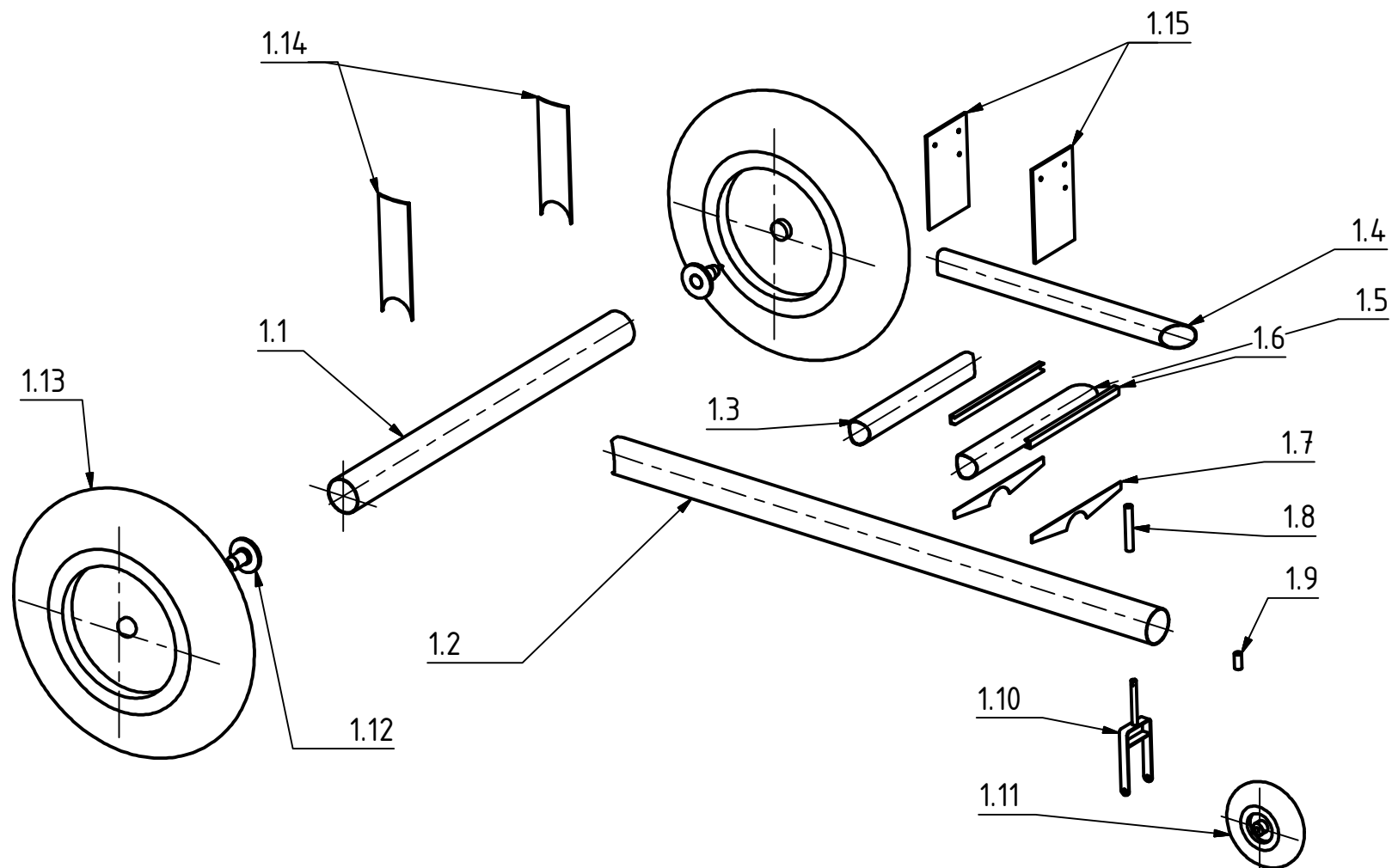
TECHNICAL NOTES	
NOTES	CONTENT
GENERAL NOTES	
Metal structure treatment	<p>Iron structures should be painted to prevent rust and improve equipment life.</p> <ul style="list-style-type: none"> - Remove loose rust with a wire brush, sandpaper or chemical rust remover. - If applicable, sand areas where paint is chipping until surface is smooth. - Remove dust or oil with a degreaser or denatured alcohol. - Prime surface to protect against rust and corrosion
Foundations fixing	<ul style="list-style-type: none"> - The ground must be stable and have a low water table. - The structure must be fixed on firm oncrete soil or on poured footings with steel reinforcement. - The anchorage can be bolted with expansive ramplugs or welded.
Wood treatment	<ul style="list-style-type: none"> - The wood must be treated with pesticides and kiln-dried to ensure adequate humidity. - Wood sealer should be applied for later use.
...	...
...	...

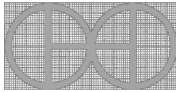
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Technical notes				C1
PUBLISHED BY	DOC. TYPE		MATERIAL	QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Technical notes			
	LICENCE		SCALE	SHEET
OHO e.V.	CC-BY-SA 4.0			10 /119

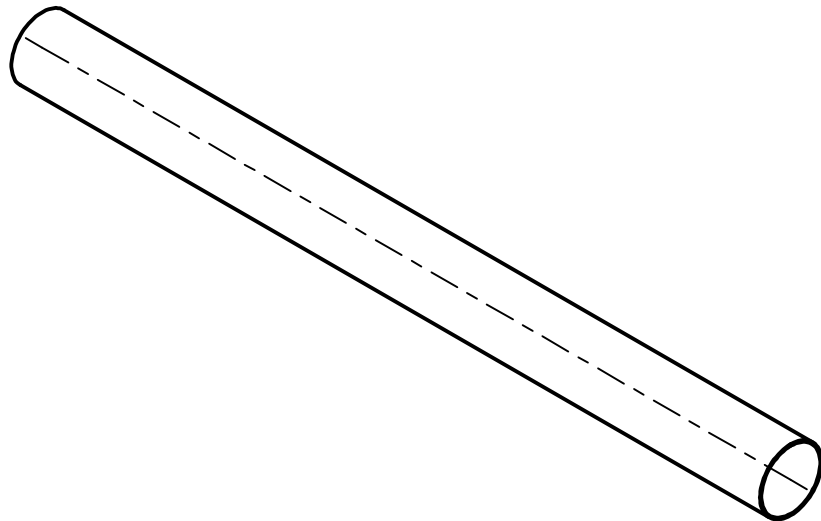
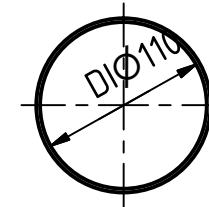
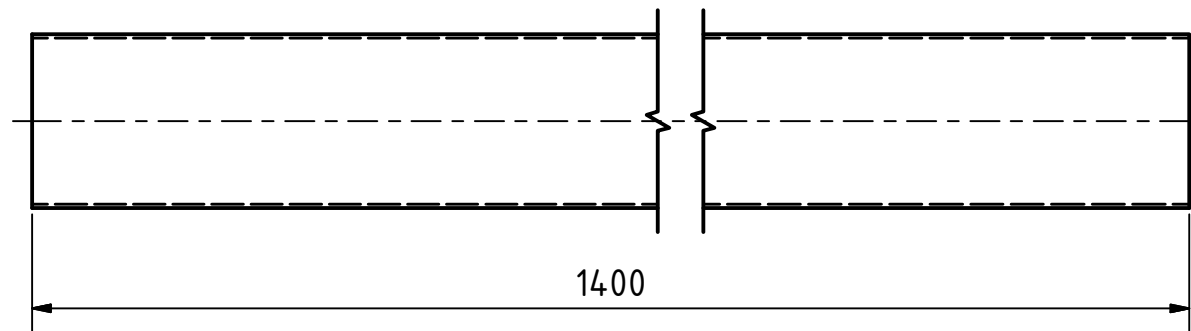


Note: All units in mm.

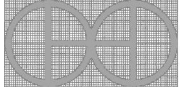
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Chasis	oho_cbm_chasis.iam			1.0
PUBLISHED BY		DOC. TYPE	MATERIAL	QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development		Assembly		1
		LICENCE	SCALE	SHEET
OHO e.V.		CC-BY-SA 4.0	1:25	11 /119

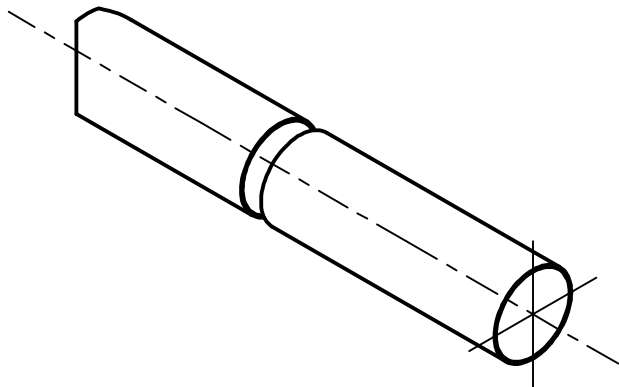
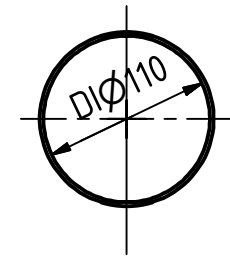
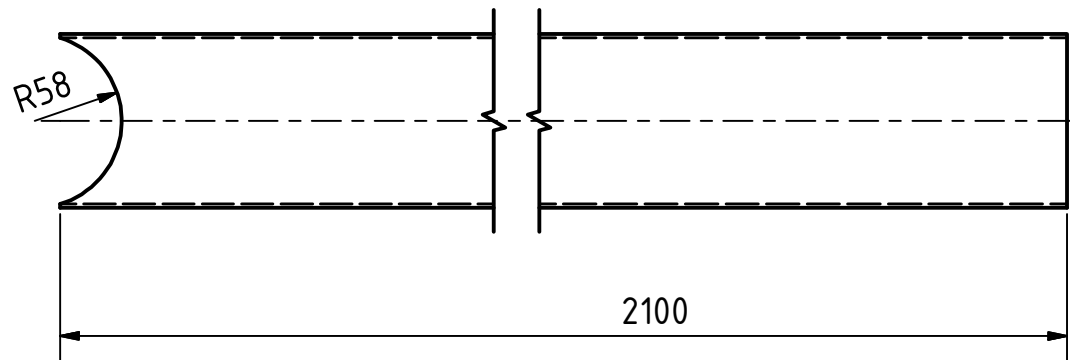


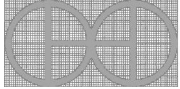
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Chasis	oho_cbm_chasis.ipn			1.0
PUBLISHED BY		DOC. TYPE	MATERIAL	QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development		Assembly		1
		LICENCE	SCALE	SHEET
OHO e.V.		CC-BY-SA 4.0	1:25	12 /119

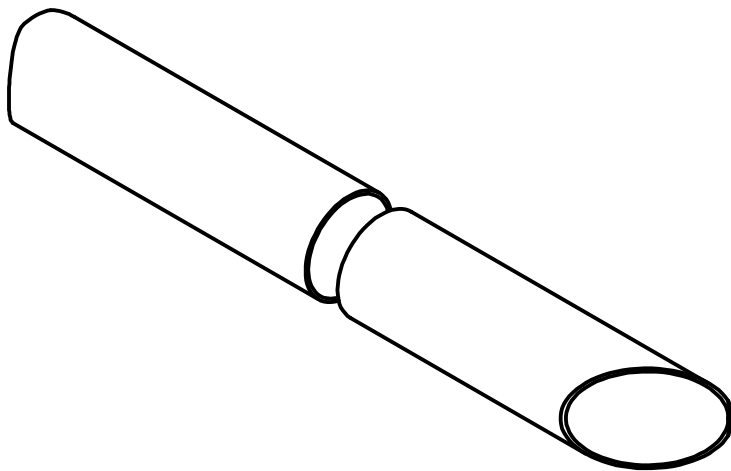
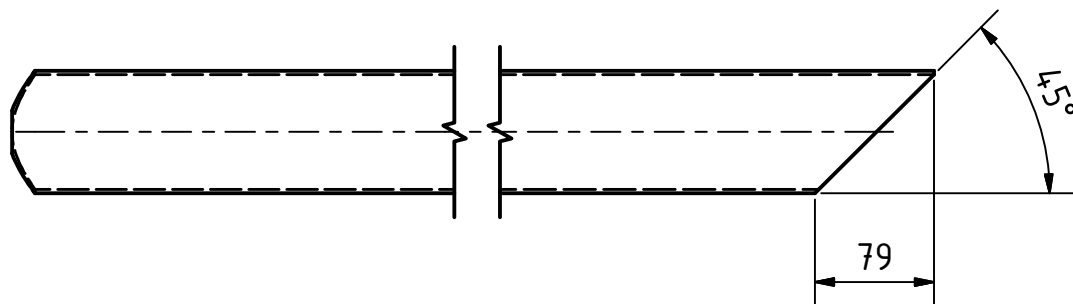
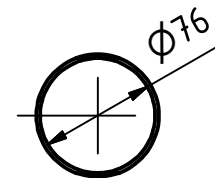
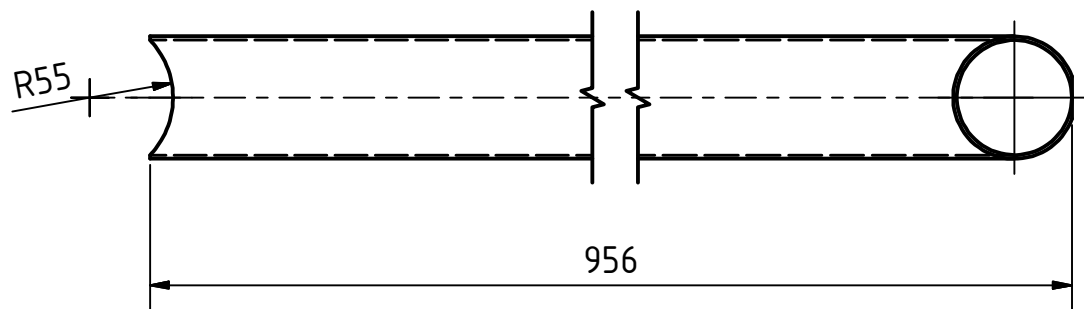


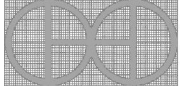
Note: All units in mm.

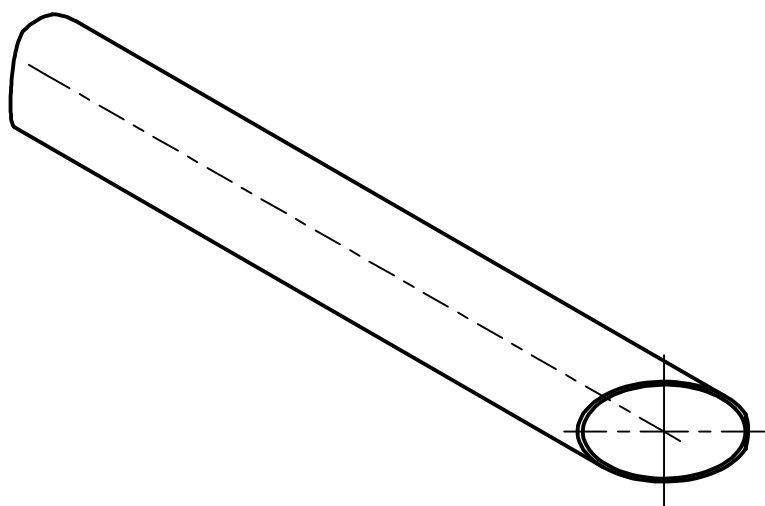
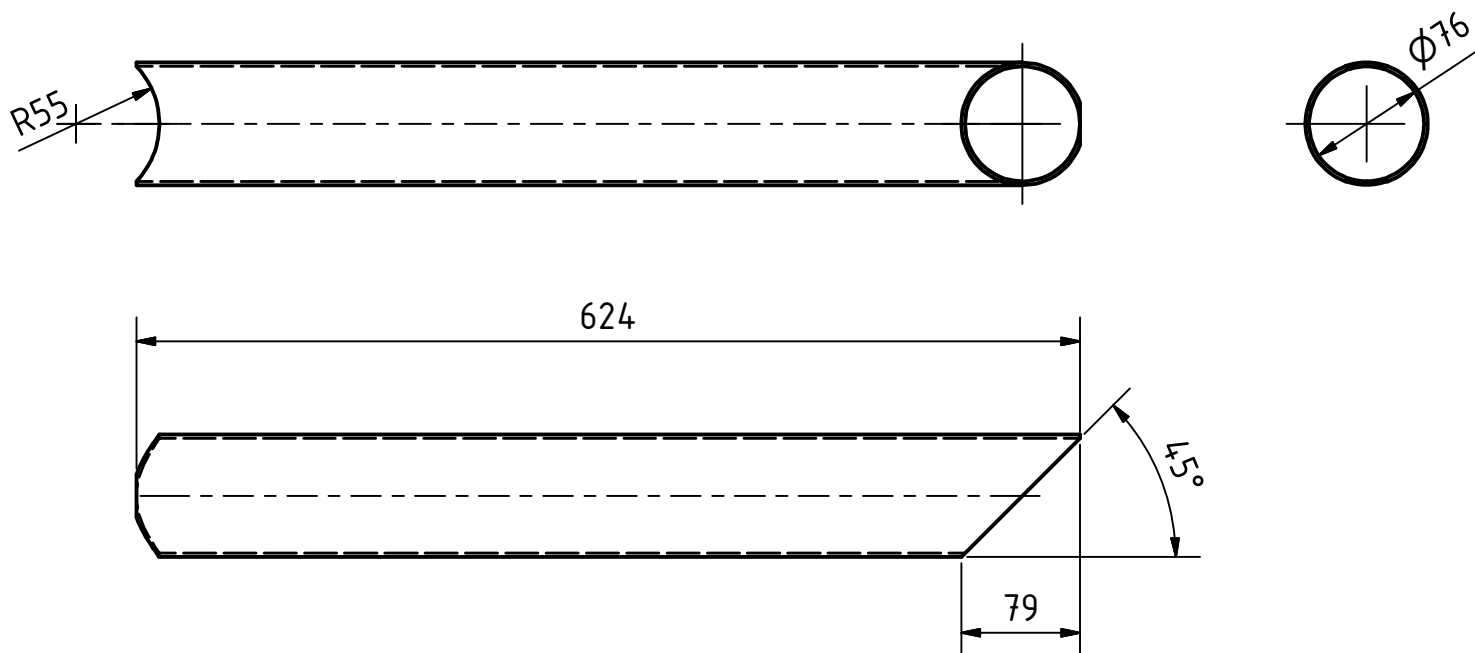
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Pipe rump	oho_cbm_pipe-rump.ipt			1.1
PUBLISHED BY	DOC. TYPE		MATERIAL	QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part		ASTM A36	1
	LICENCE		SCALE	SHEET
OHO e.V.	CC-BY-SA 4.0		1:5	13 /119

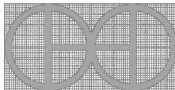


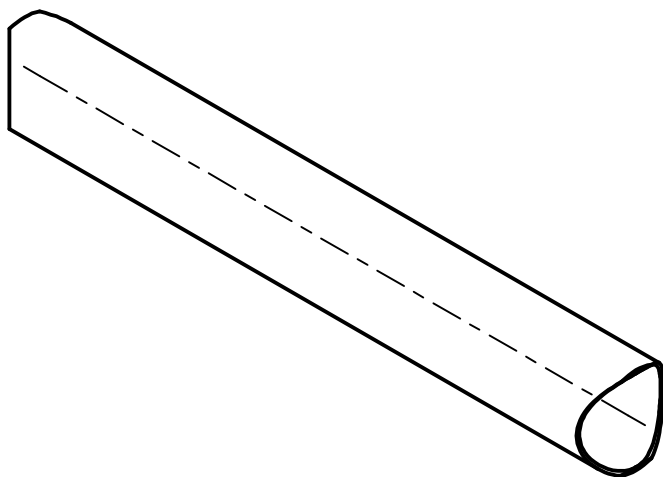
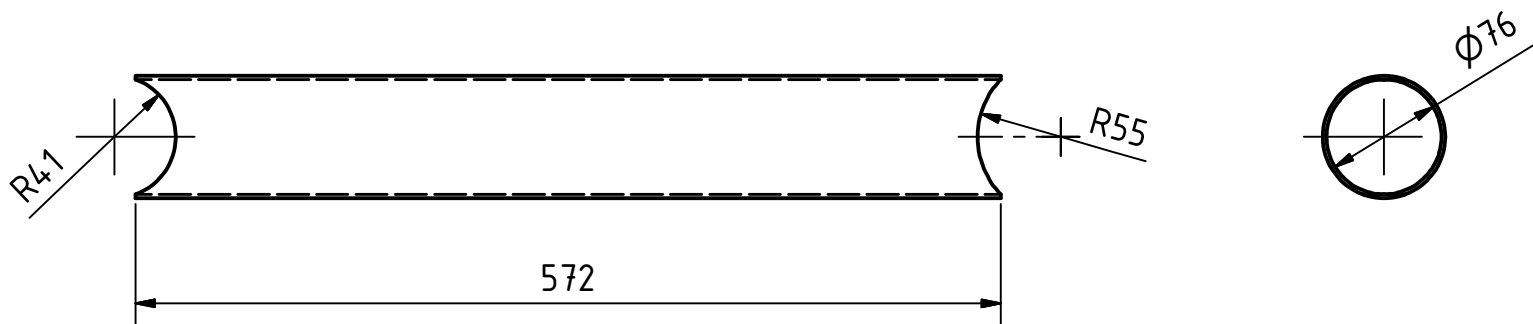
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Pipe center	oho_cbm_pipe-center.ipt			1.2
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	ASTM A36	1	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:5	14 /119	

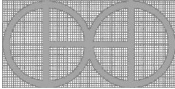


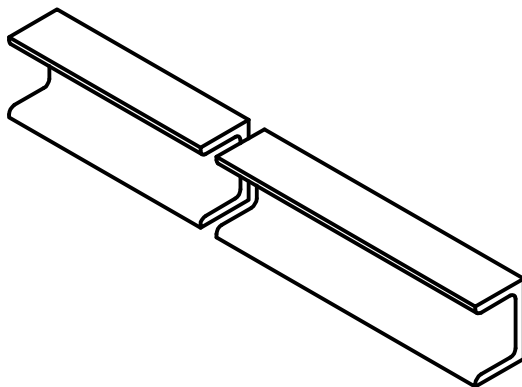
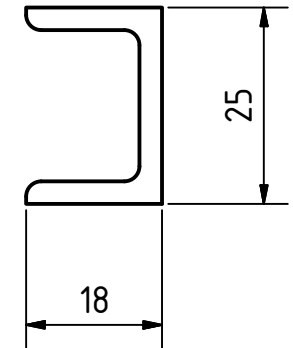
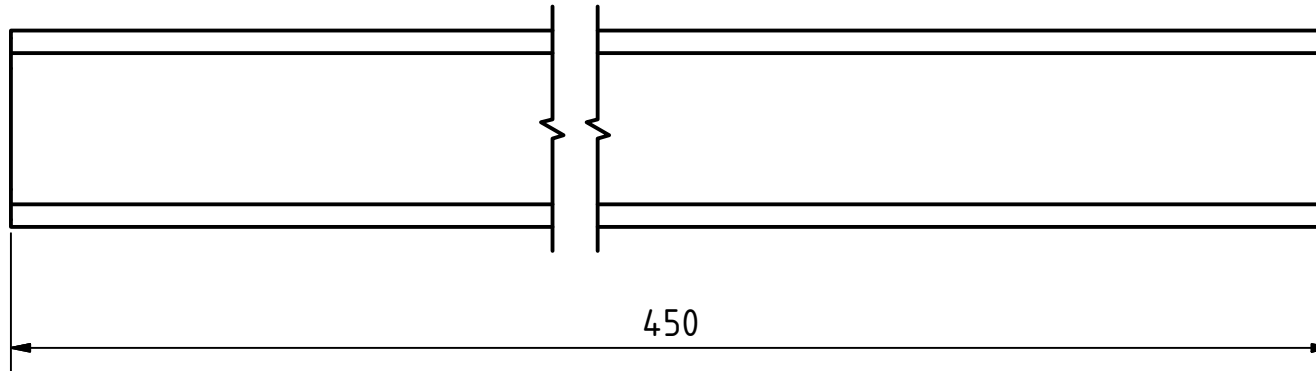
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Pipe lateral	oho_cbm_pipe-lateral.ipt			1.3
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	ASTM A36	1	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:5	15 /119	

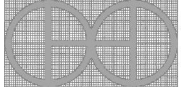


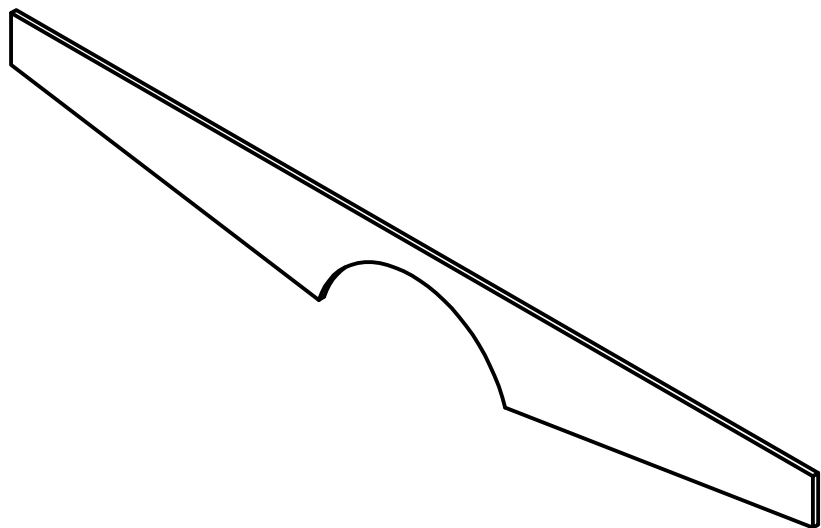
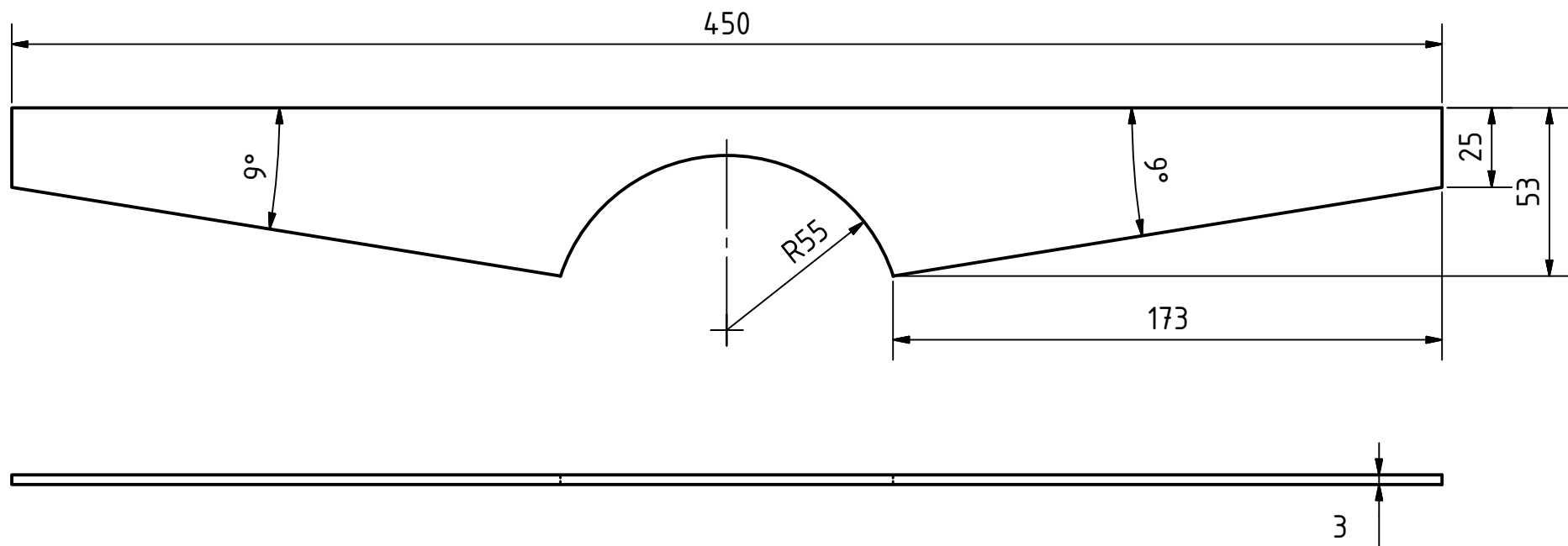
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Pipe support	oho_cbm_pipe-support.ipt			1.4
PUBLISHED BY	DOC. TYPE		MATERIAL	QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part		ASTM A36	1
	LICENCE		SCALE	SHEET
OHO e.V.	CC-BY-SA 4.0		1:5	16 /119




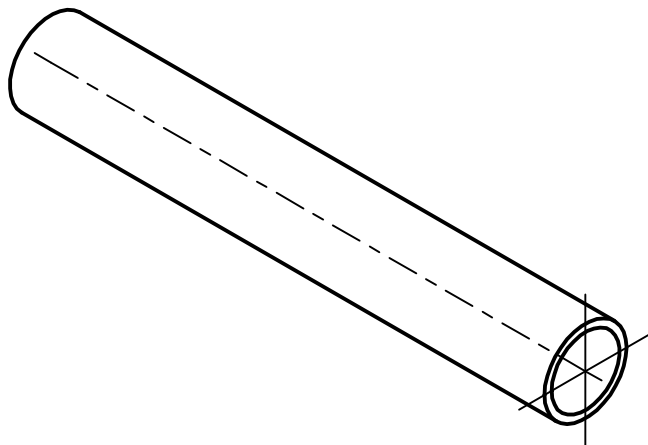
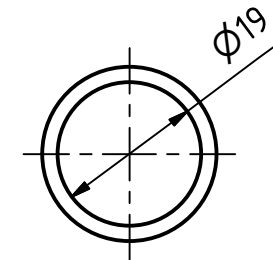
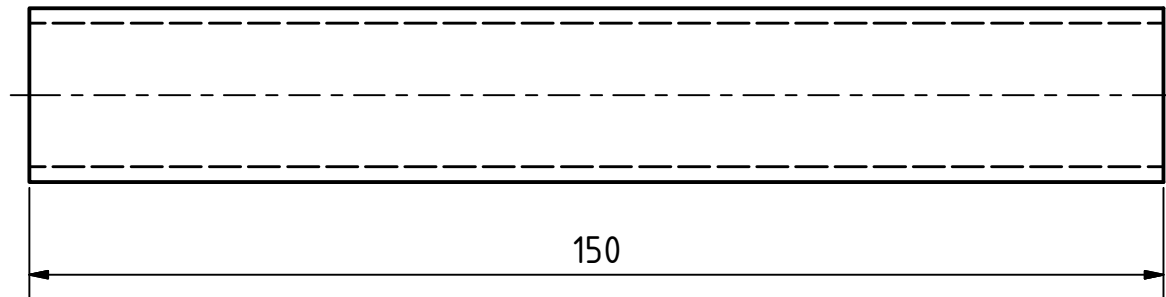
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Pipe internal support	oho_cbm_pipe2-support.ipt			1.5
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	ASTM A36	1	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:5	17 /119	

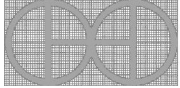


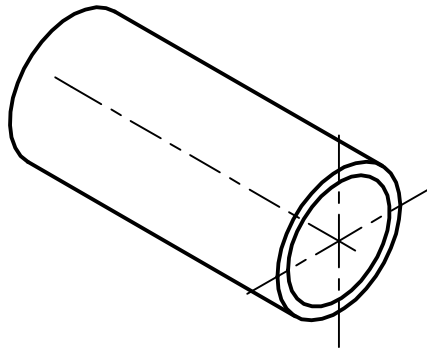
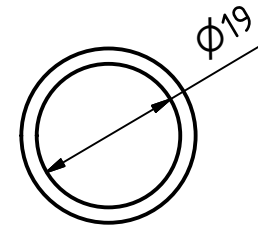
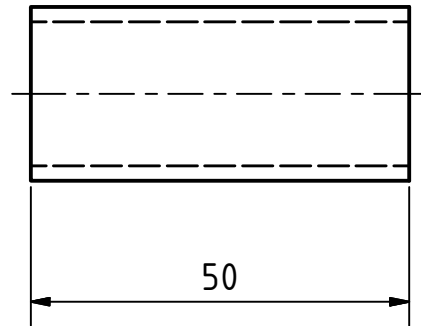
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Motor braker	oho_cbm_motor-braker.ipt			1.6
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	ASTM A36	2	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:1	18 /119	

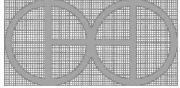


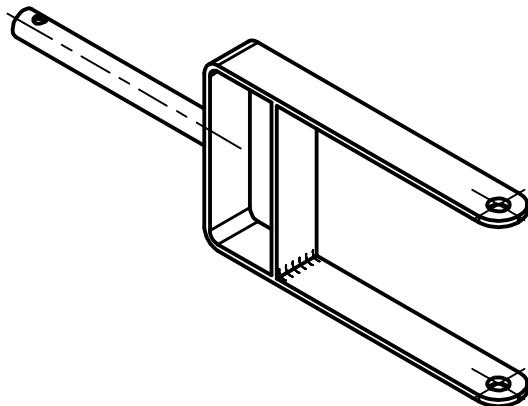
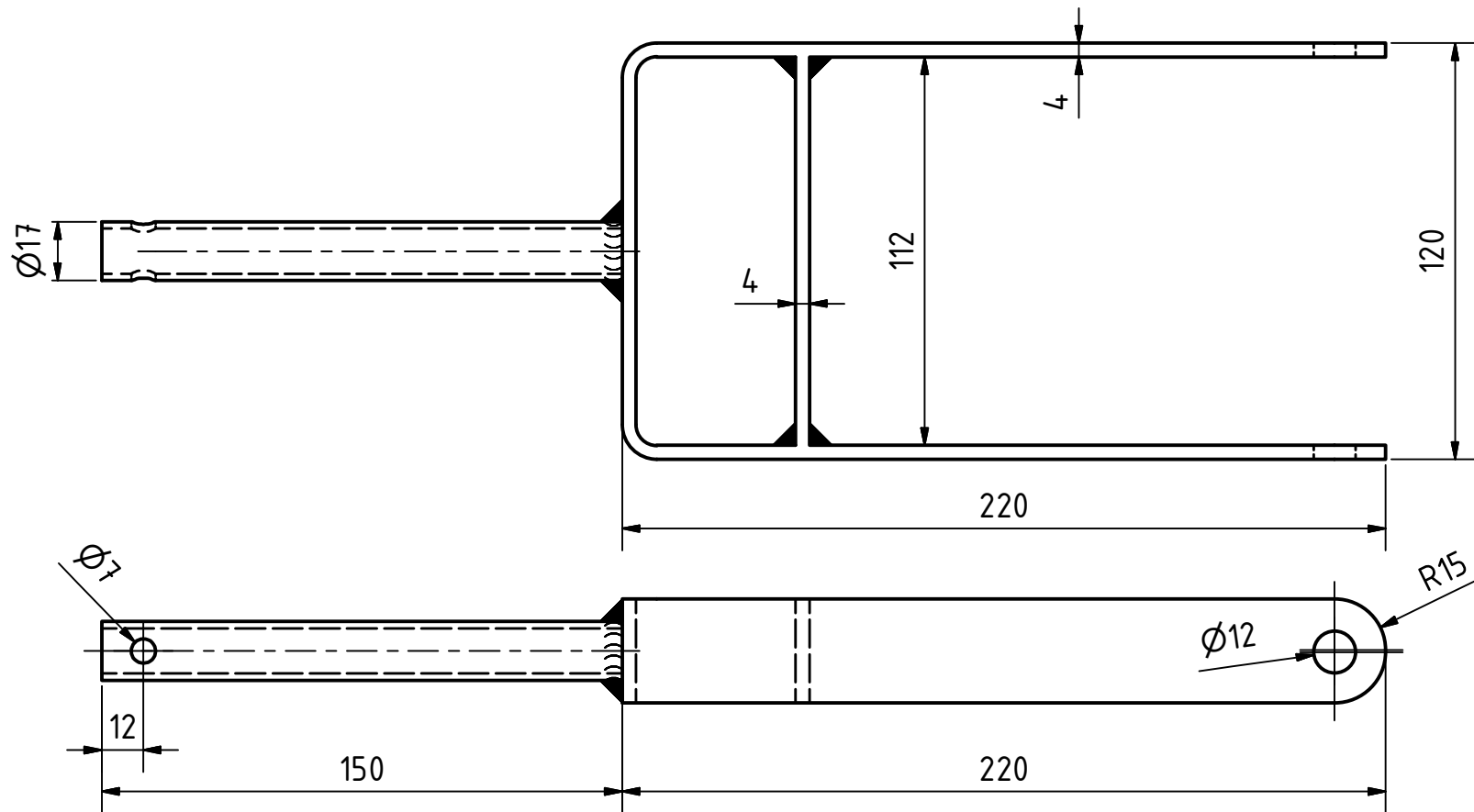
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Motor plate	oho_cbm_motor-plate.ipt			1.7
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	Steel C45	2	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:2	19 /119	

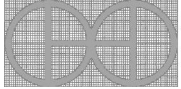


PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Pipe axe front	oho_cbm_pipe-axe-front.ipt			1.8
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	ASTM A36	1	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:1	20 /119	

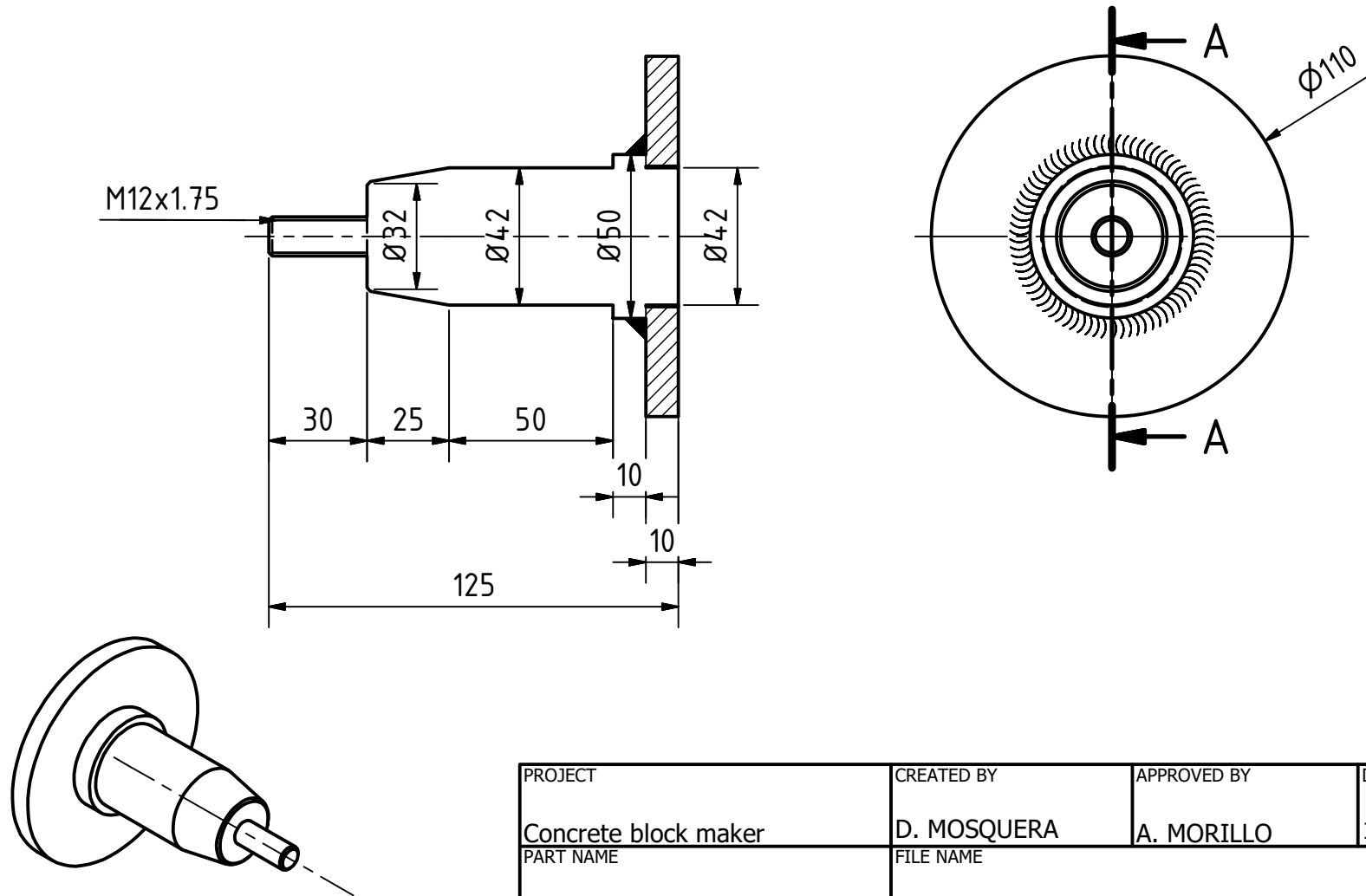


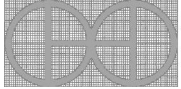
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Pipe for trailer	oho_cbm_pipe-for-trailer.ipt			1.9
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	ASTM A36	1	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:1	21 /119	

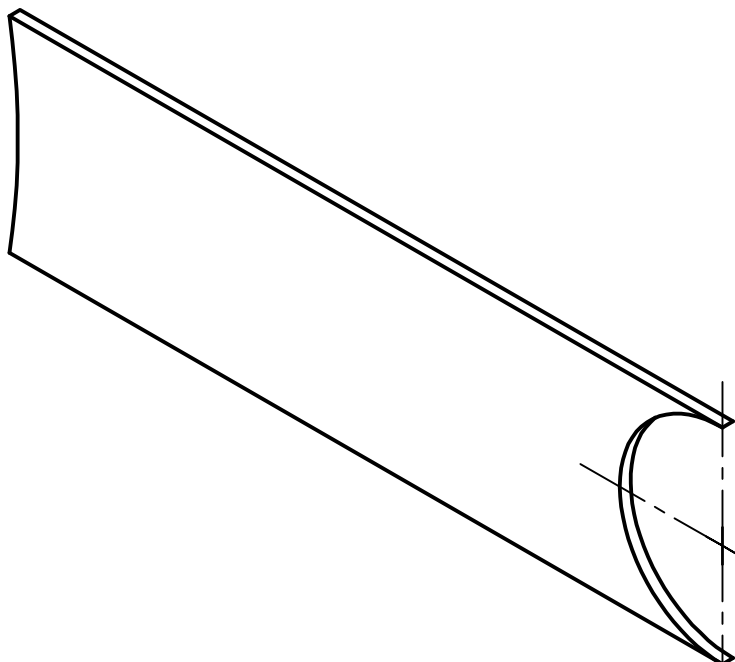
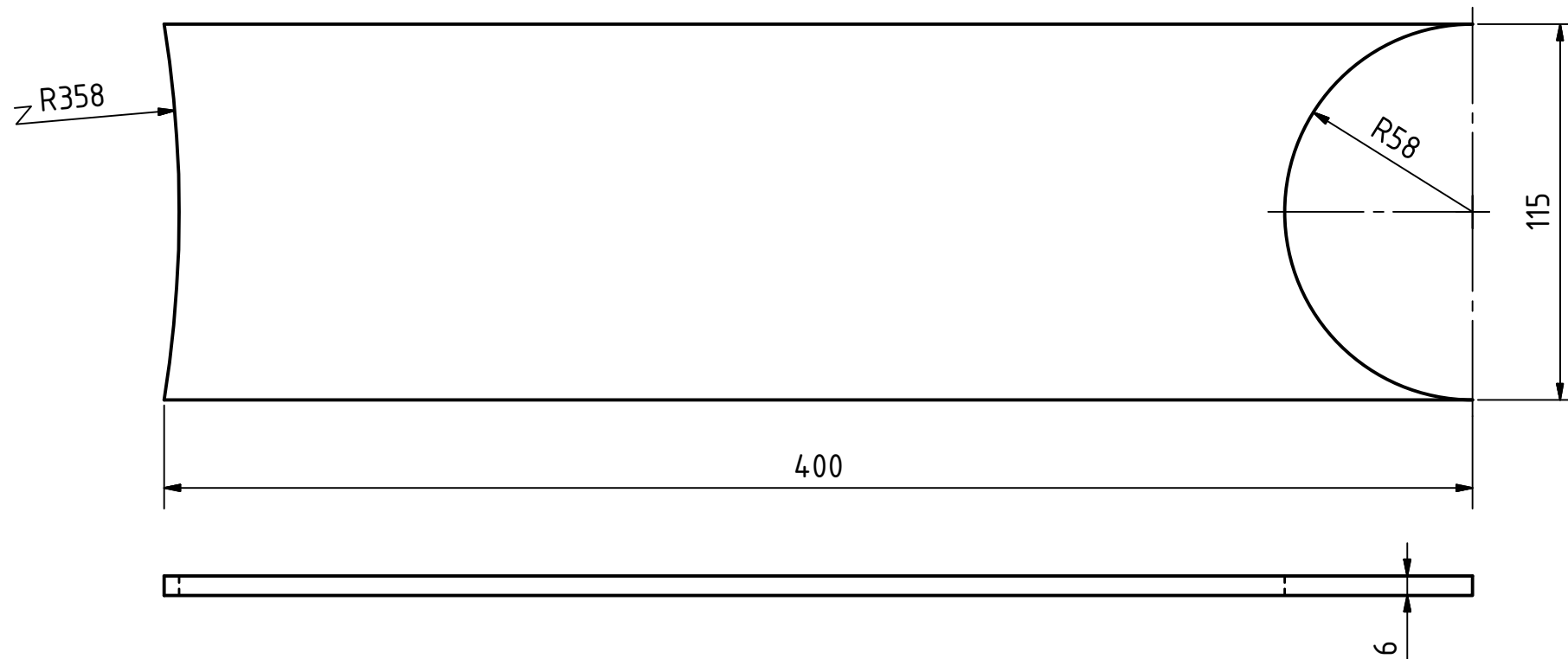


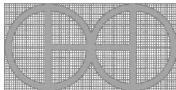
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Wheel support	oho_cbm_wheel-support.ipt			1.10
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	Steel C45	1	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:2	22 / 119	

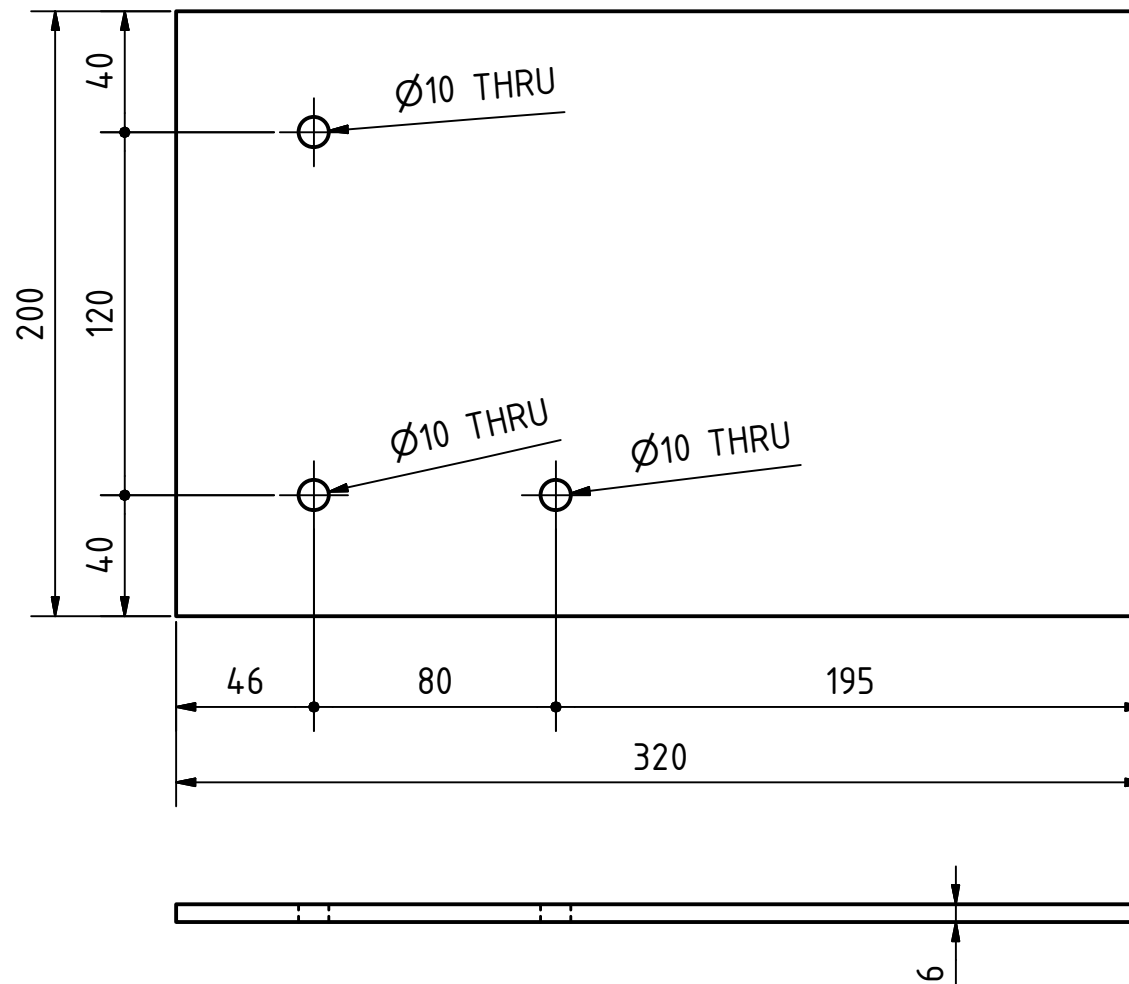
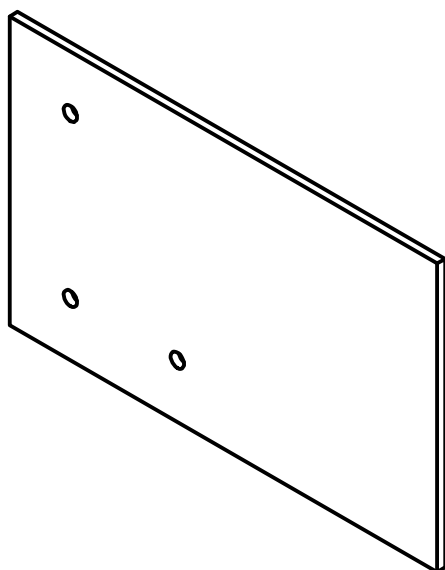
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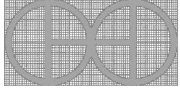


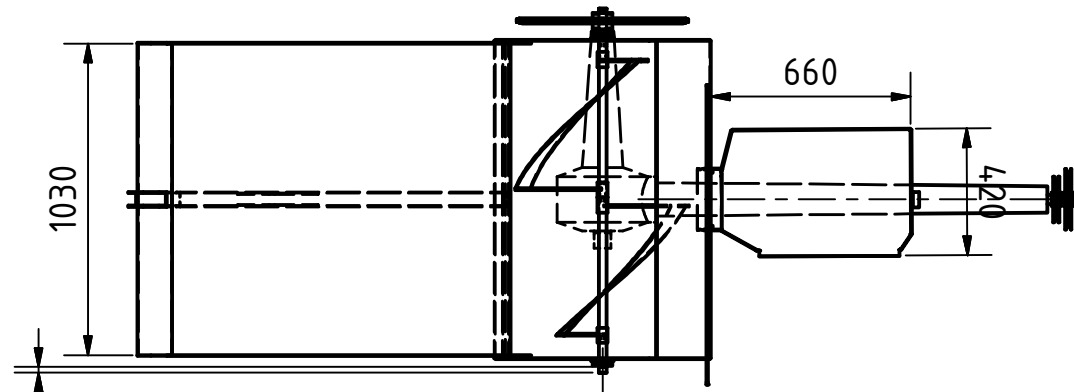
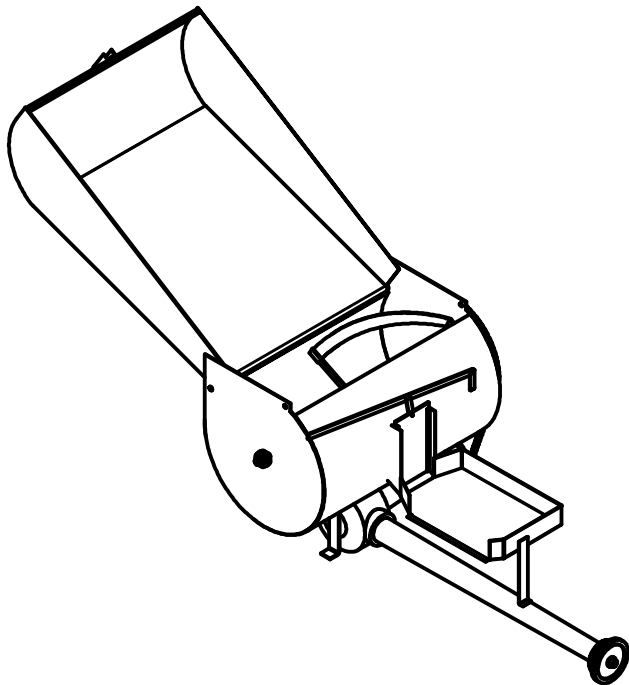
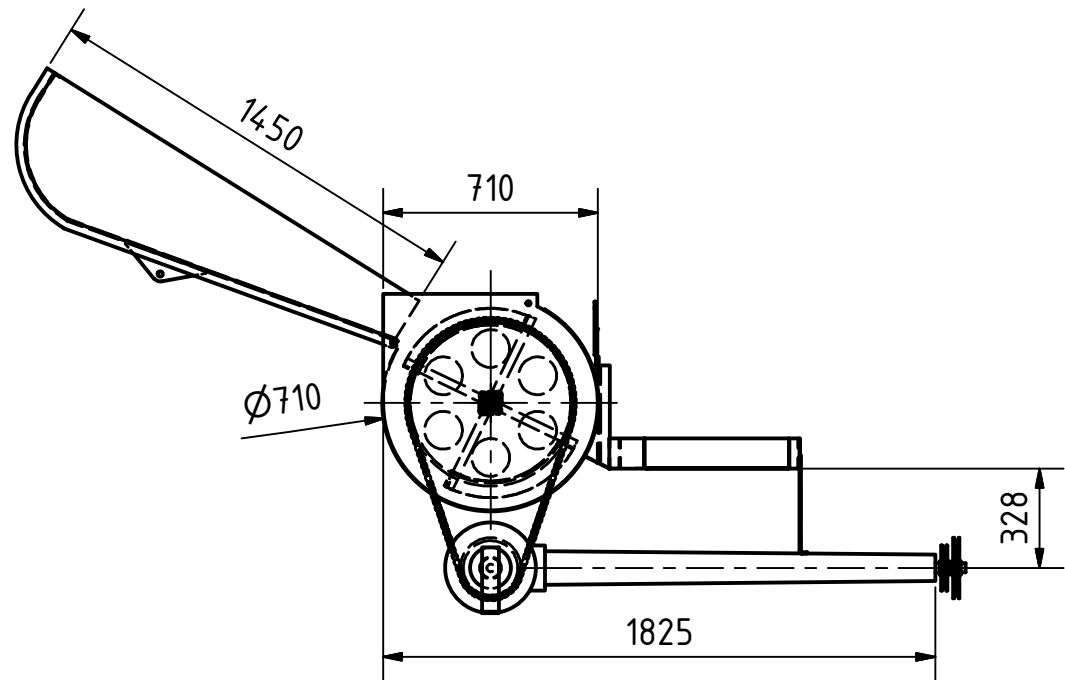
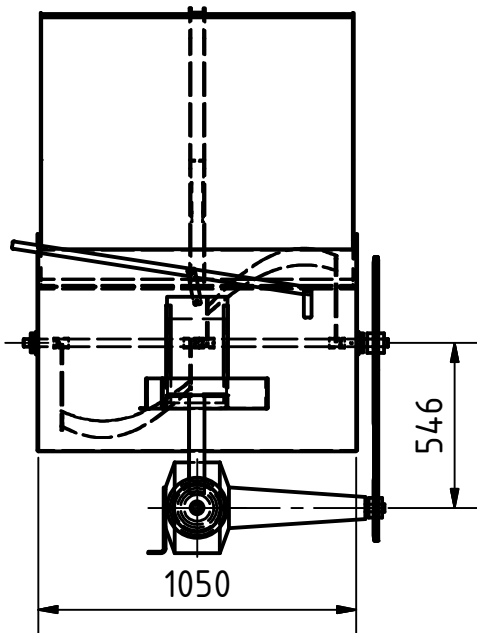
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Axis wheels	oho_cbm_axis-wheels.ipt			1.12
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	Steel C45	2	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:2	23 /119	



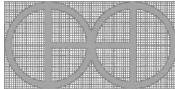
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Mixer support plate	oho_cbm_mixer-support.ipt			1.14
PUBLISHED BY	DOC. TYPE		MATERIAL	QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part		Steel C45	2
	LICENCE		SCALE	SHEET
OHO e.V.	CC-BY-SA 4.0		1:5	24 /119

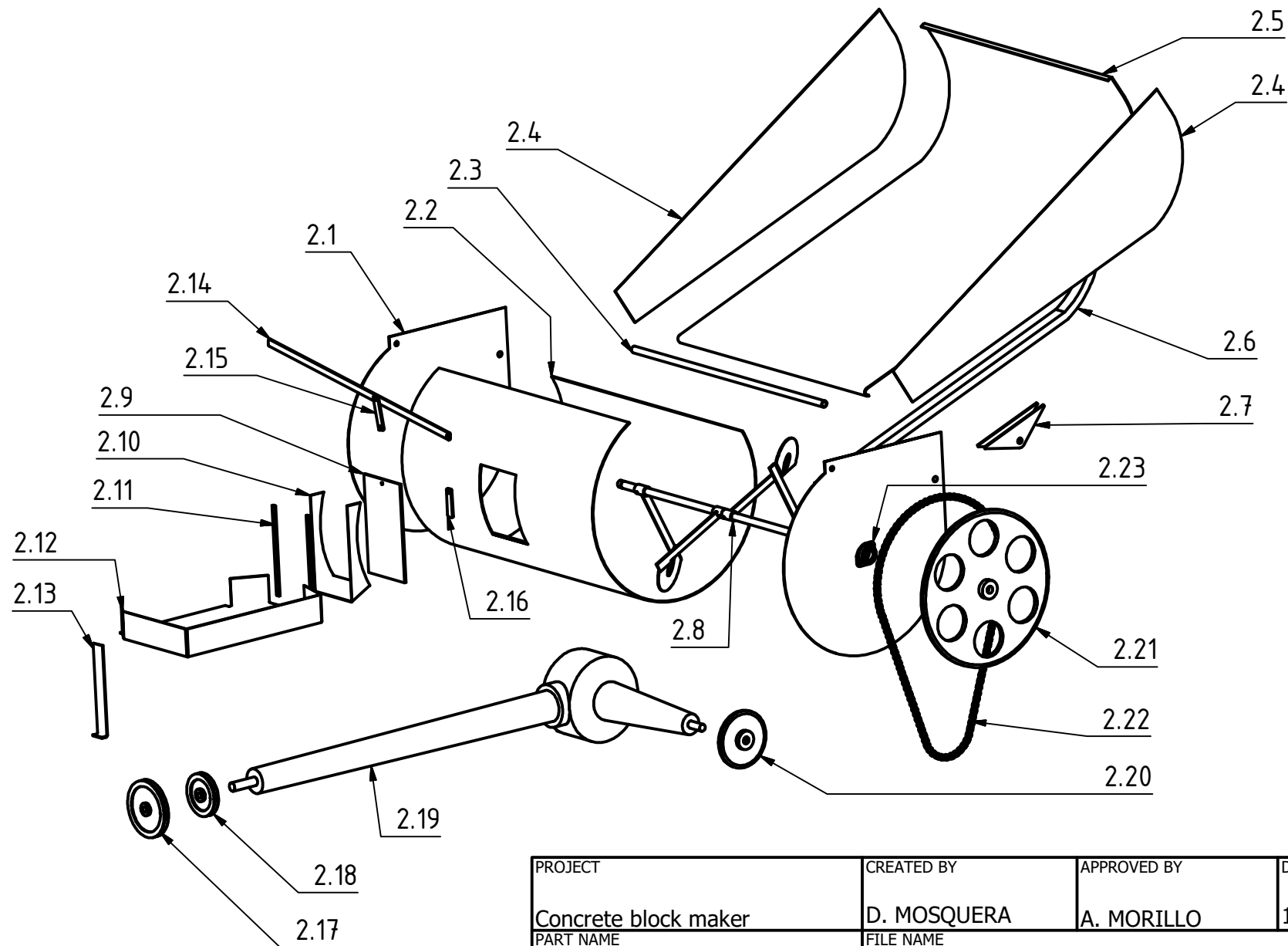


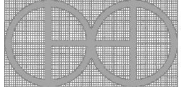
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Support vibrator plate	oho_cbm_steel-plate.ipt			1.15
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	Steel C45	2	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:2,5	25 /119	

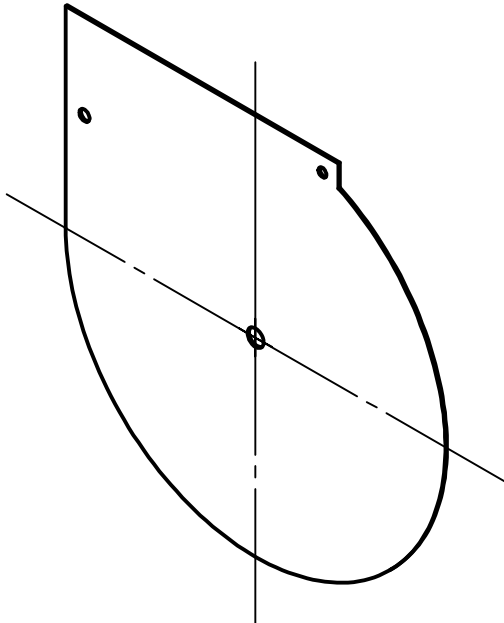
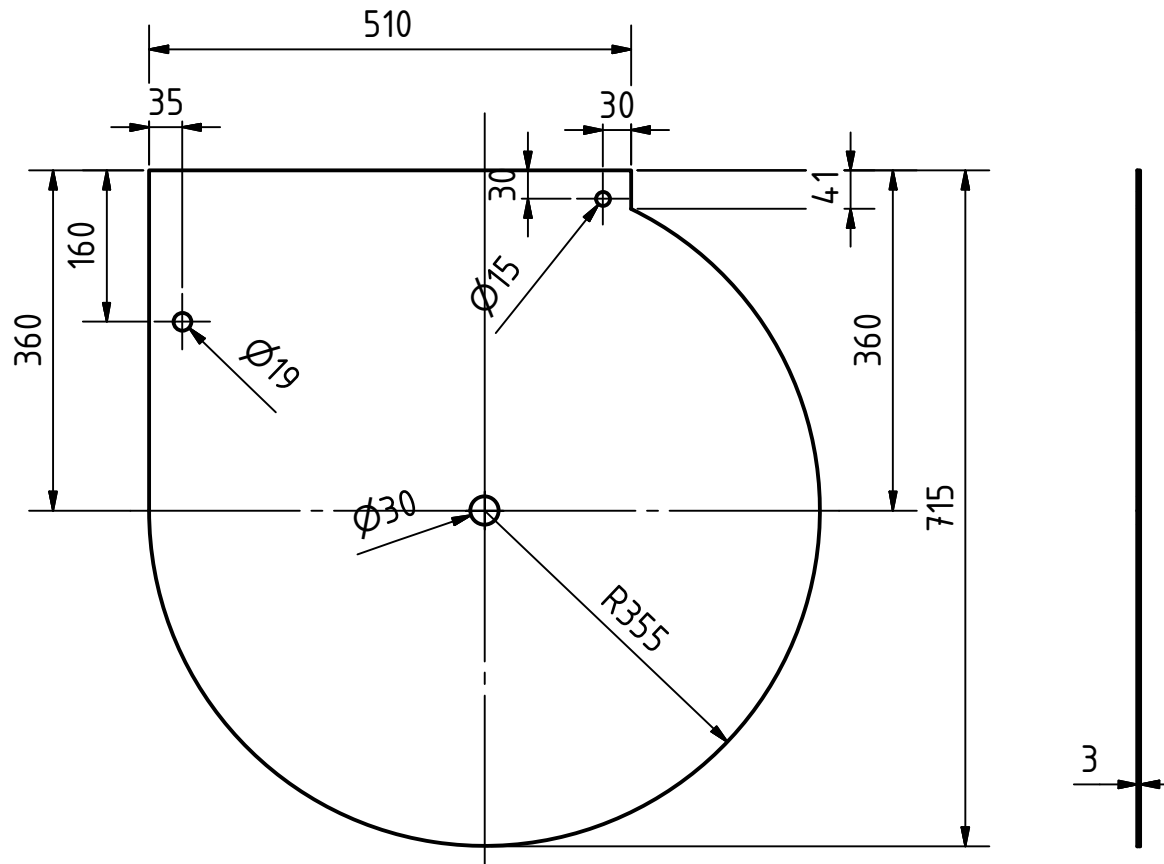


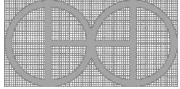
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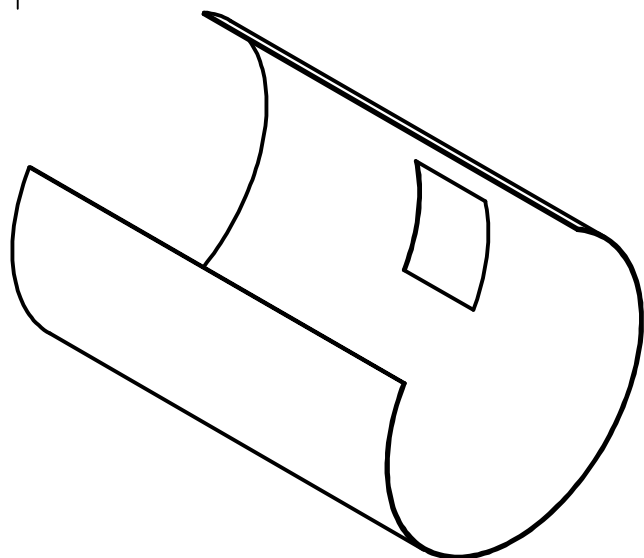
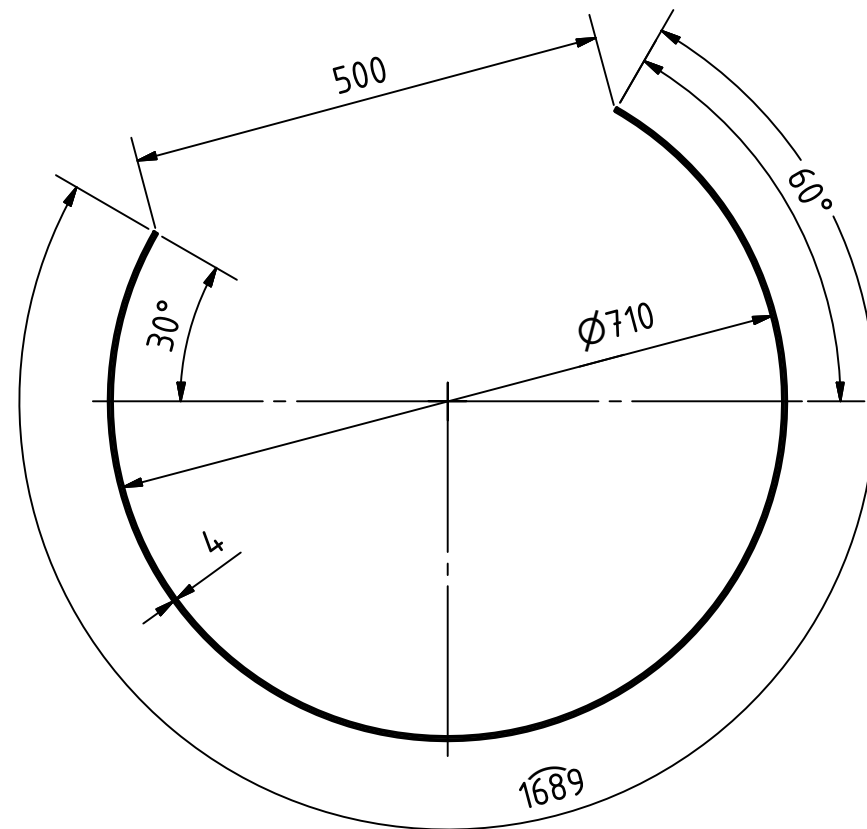
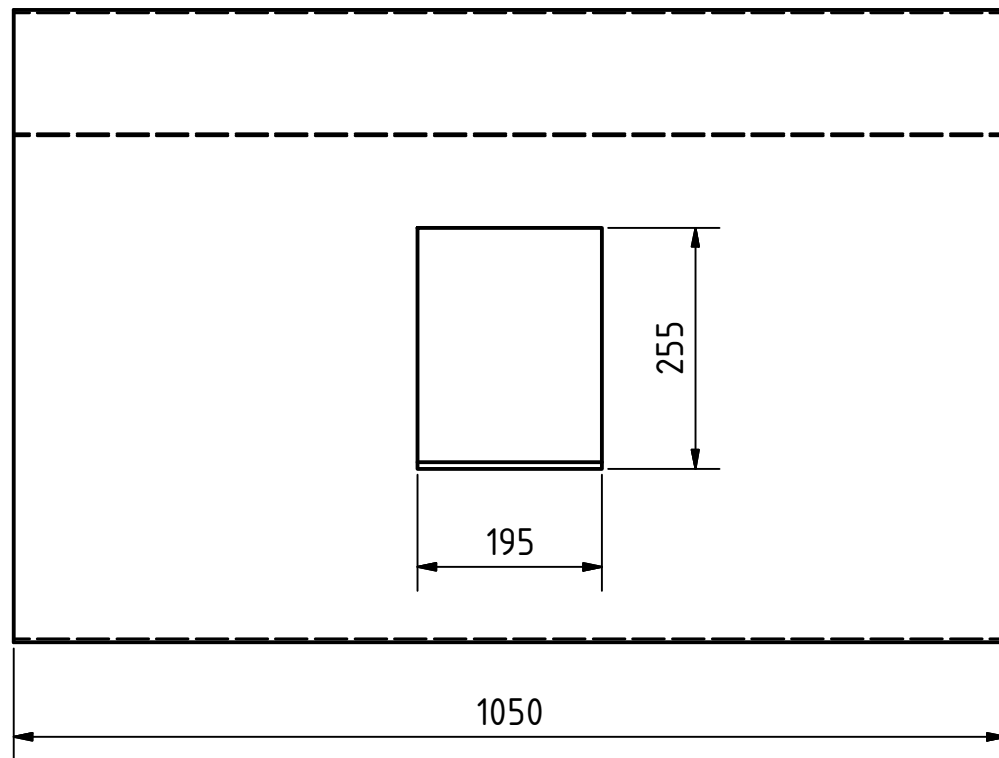
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Mixer	oho_cbm_Mixer.iam			2.0
PUBLISHED BY		DOC. TYPE	MATERIAL	QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development		Assembly		1
		LICENCE	SCALE	SHEET
		CC-BY-SA 4.0	1:25	26 /119
OHO e.V.				

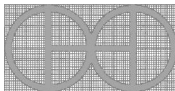


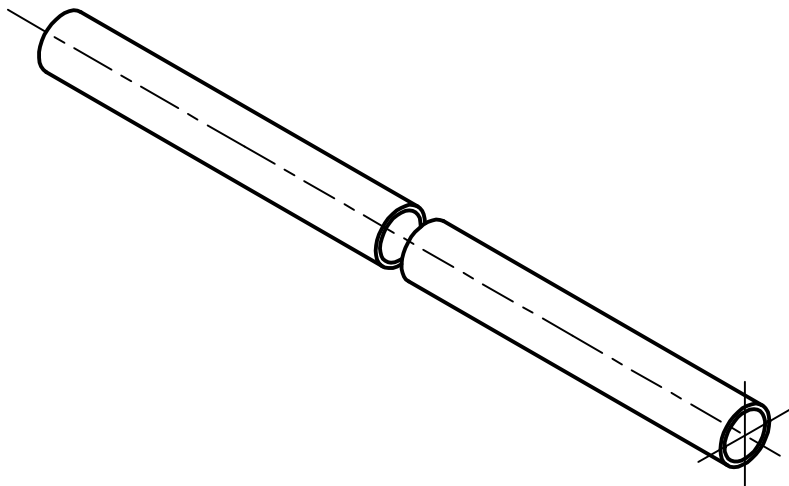
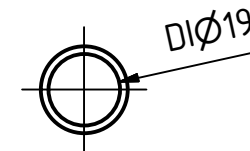
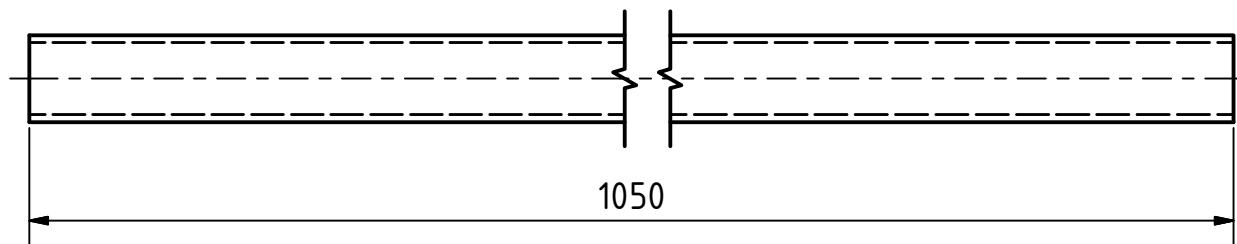
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME	POS		
Mixer	oho_cbm_Mixer.ipn	2.0		
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Assembly		1	
	LICENCE	SCALE	SHEET	
	CC-BY-SA 4.0		27 /119	
OHO e.V.				

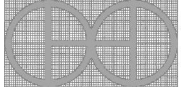


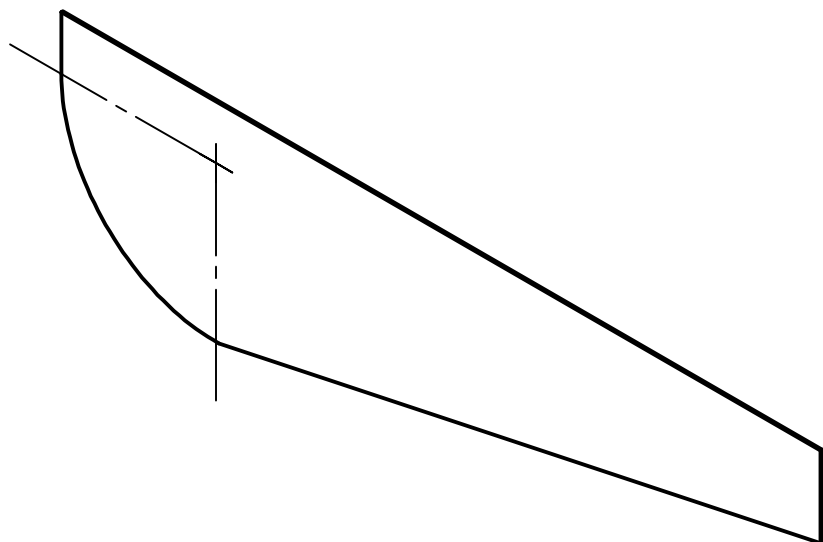
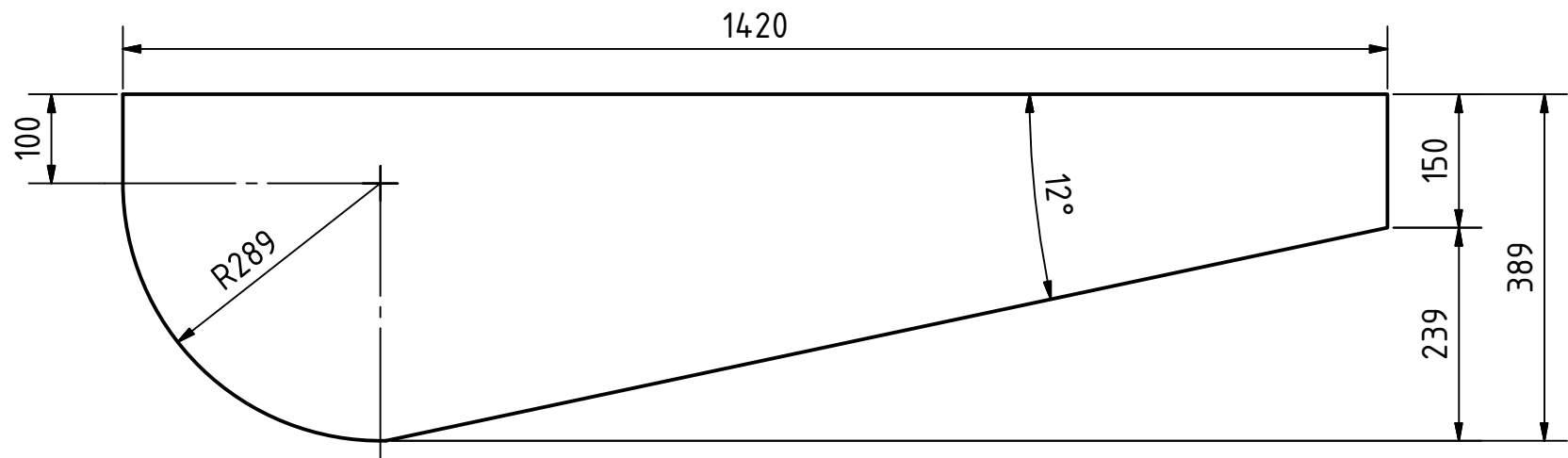
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Mixer lateral plate	oho_cbm_mixer-plate.ipt			2.1
PUBLISHED BY	DOC. TYPE		MATERIAL	QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part		Steel C45	2
	LICENCE		SCALE	SHEET
OHO e.V.	CC-BY-SA 4.0		1:8	28 /119

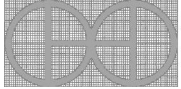


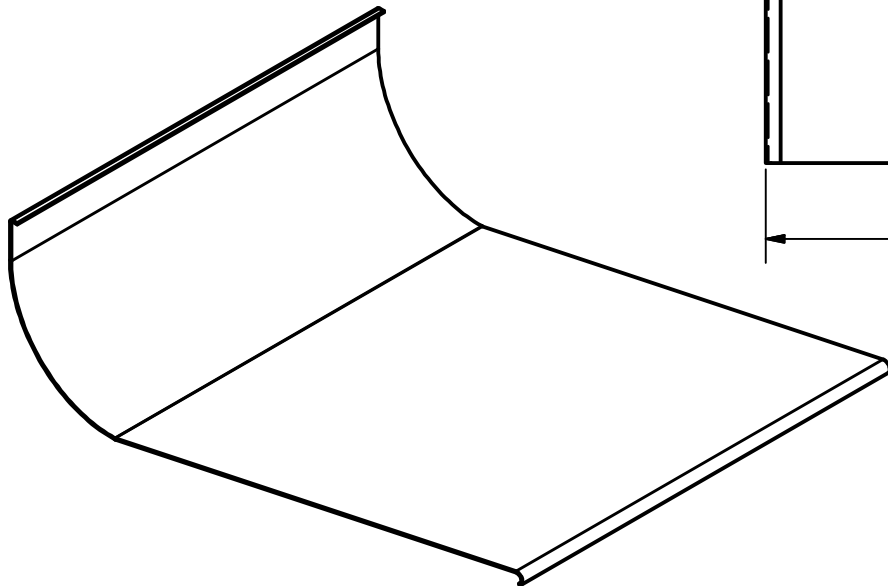
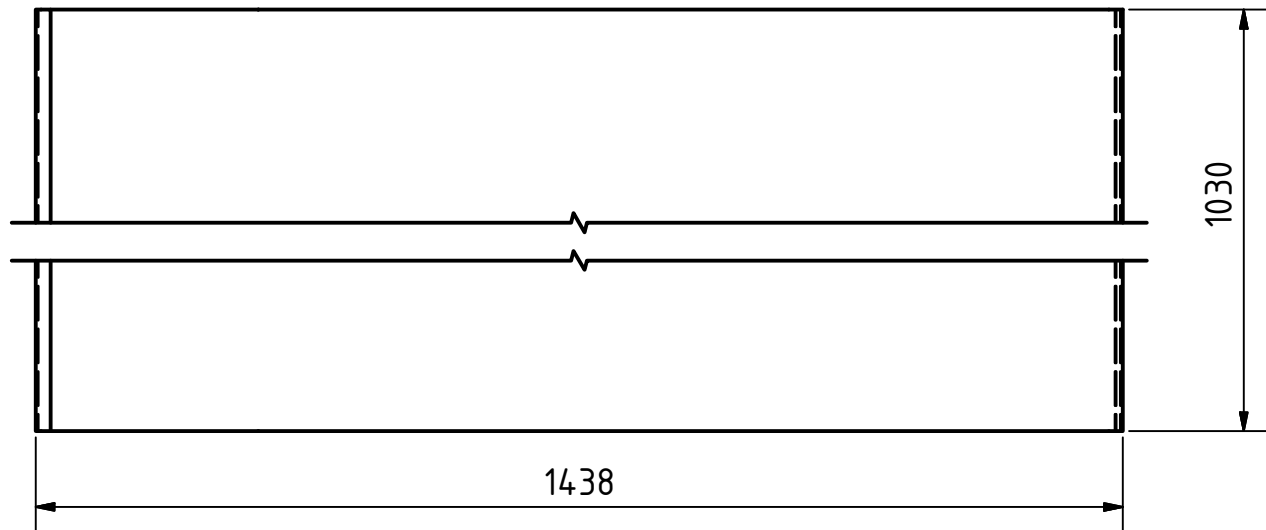
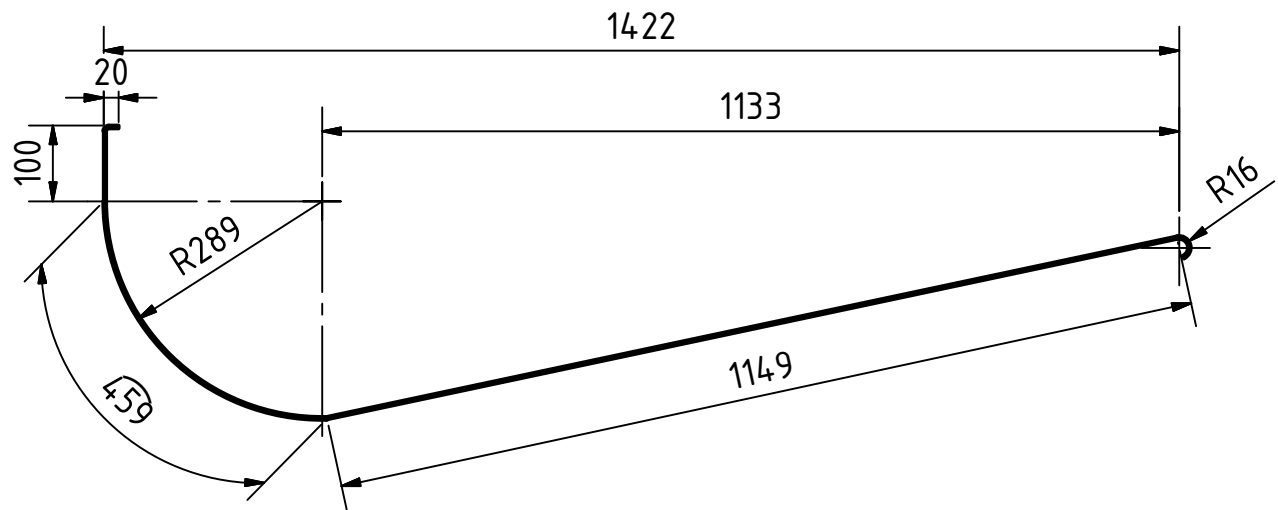
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME	POS		
Mixing drum	oho_cbm_mixing-drum.ipt	2.2		
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	Steel C45	1	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:8	29 /119	

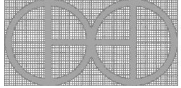


PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Pipe support hopper	oho_cbm_hopper-pipe.ipt			2.3
PUBLISHED BY	DOC. TYPE		MATERIAL	QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part		Steel C45	1
	LICENCE		SCALE	SHEET
OHO e.V.	CC-BY-SA 4.0		1:2	30 /119

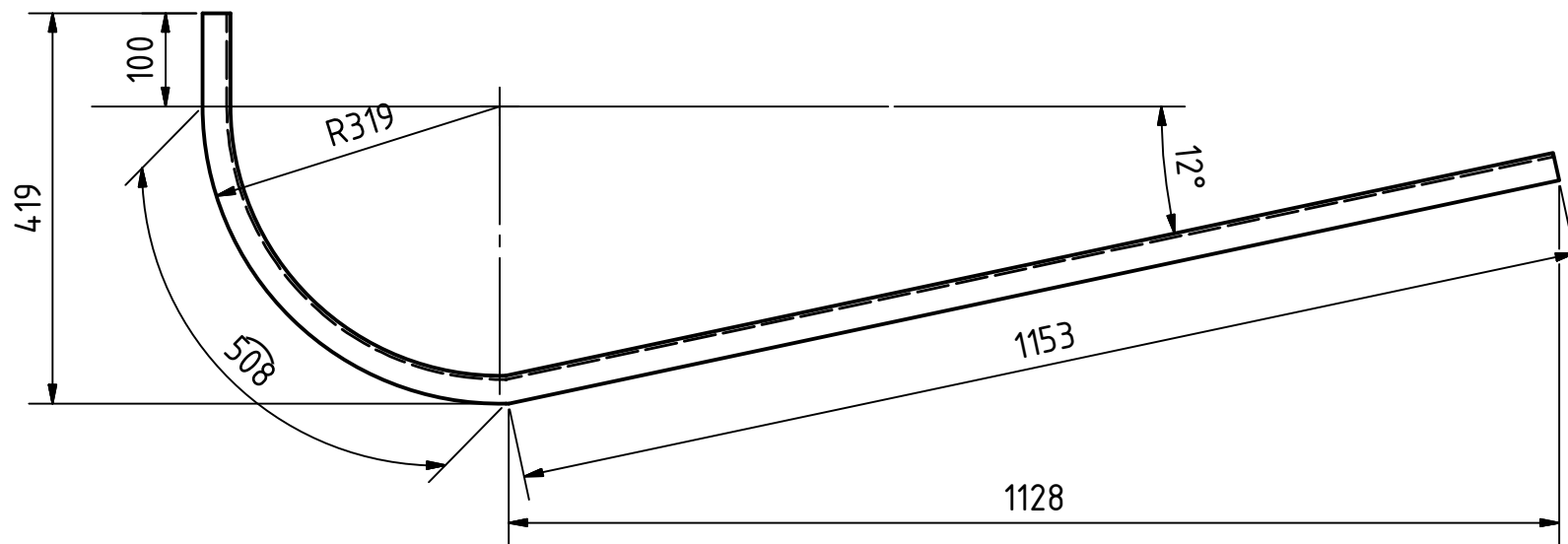
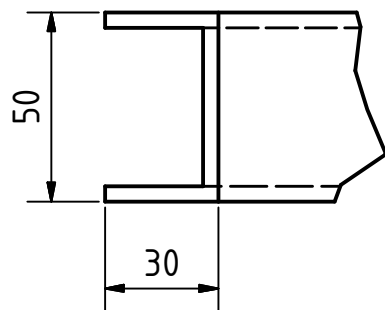


PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Hopper plate lateral	oho_cbm_hopper-lateral.ipt			2.4
PUBLISHED BY	DOC. TYPE		MATERIAL	QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part		Steel C45	2
	LICENCE		SCALE	SHEET
OHO e.V.	CC-BY-SA 4.0		1:8	31 /119

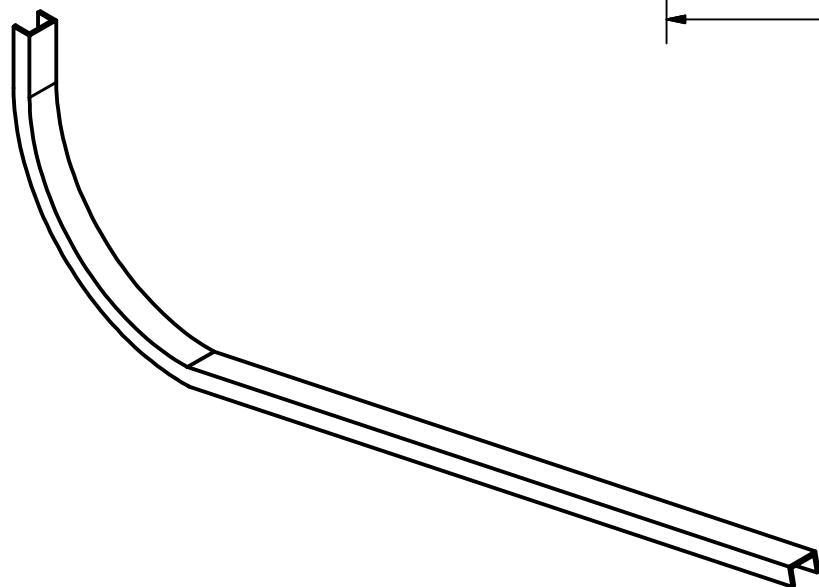
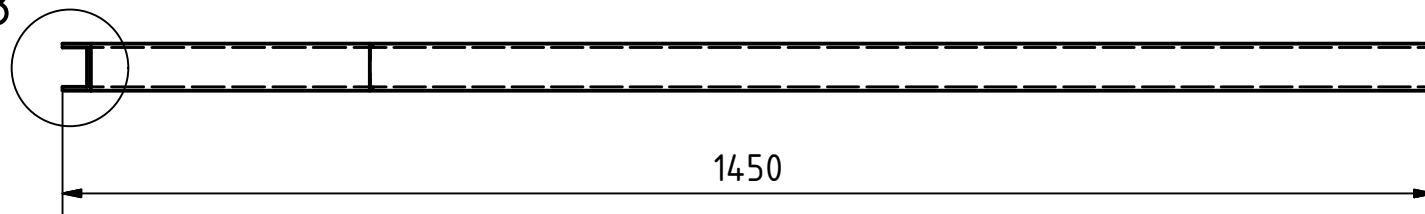


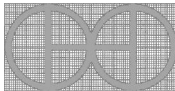
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Hopper sheet	oho_cbm_hopper-sheet.ipt			2.5
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	Steel C45	1	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:8	32 /119	

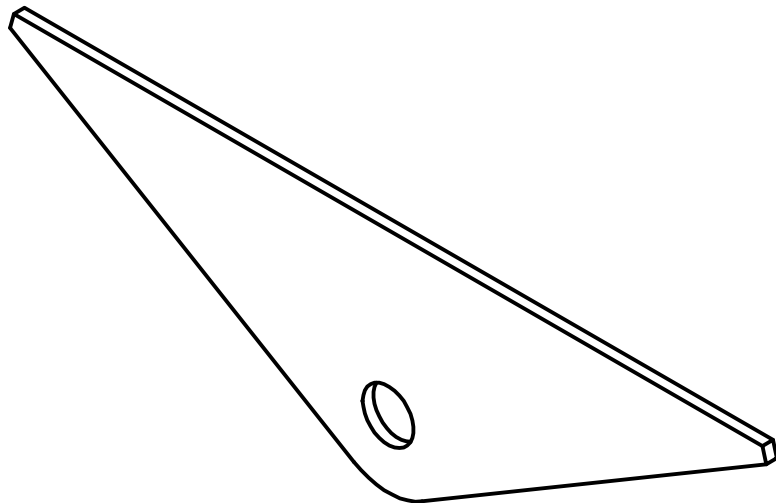
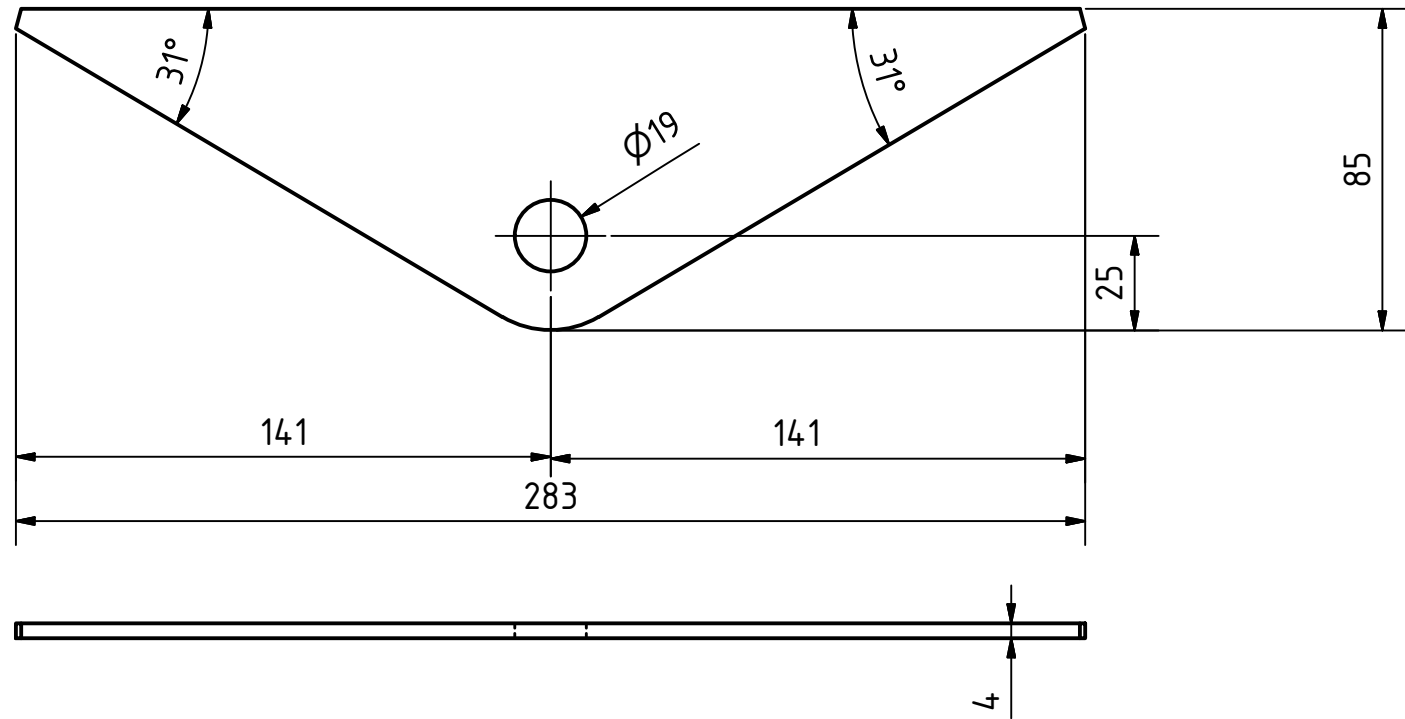
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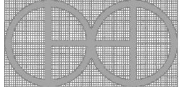


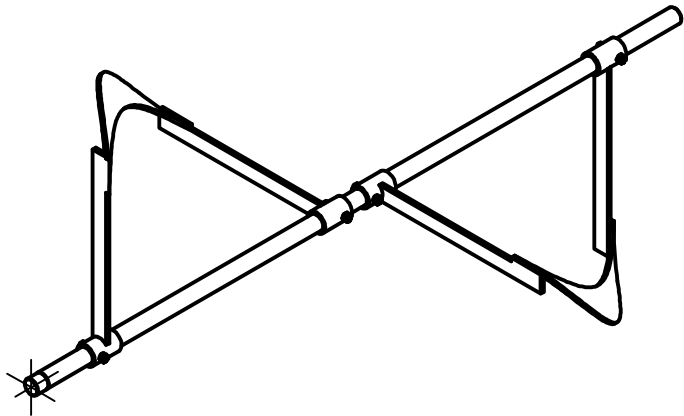
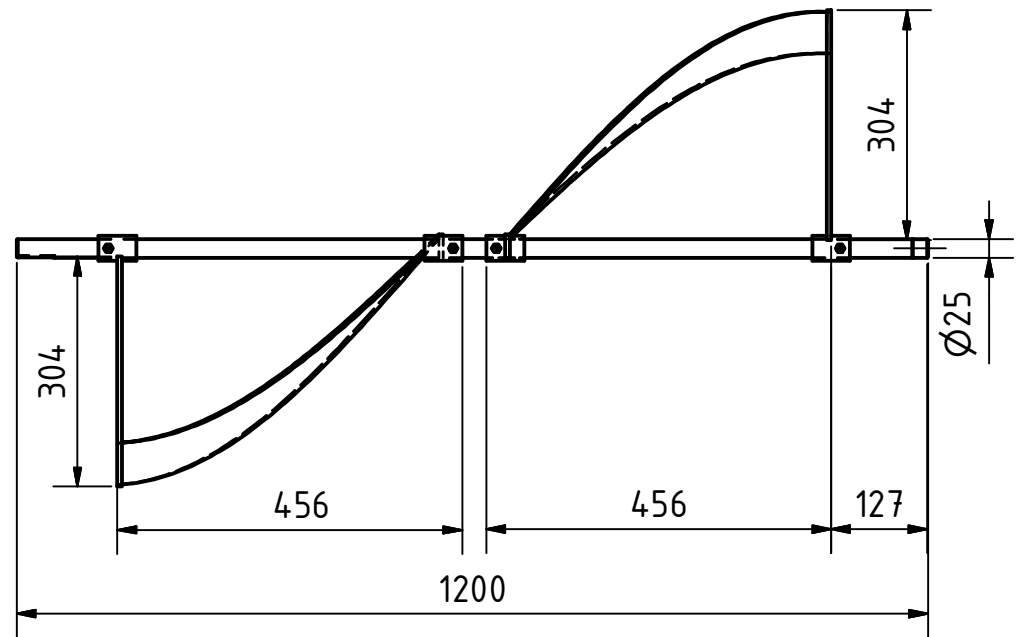
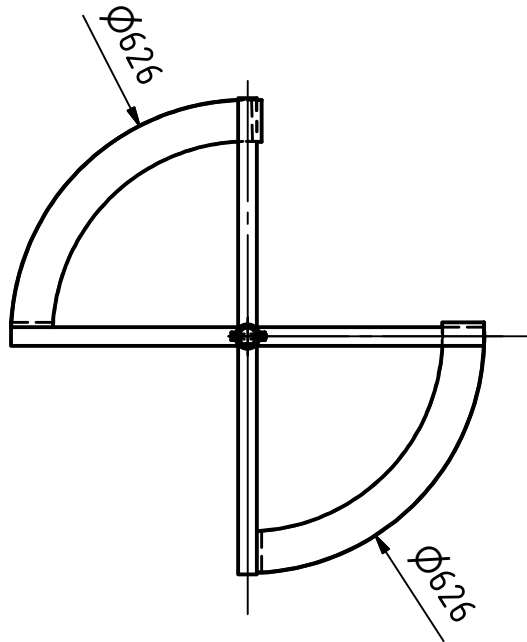
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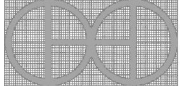


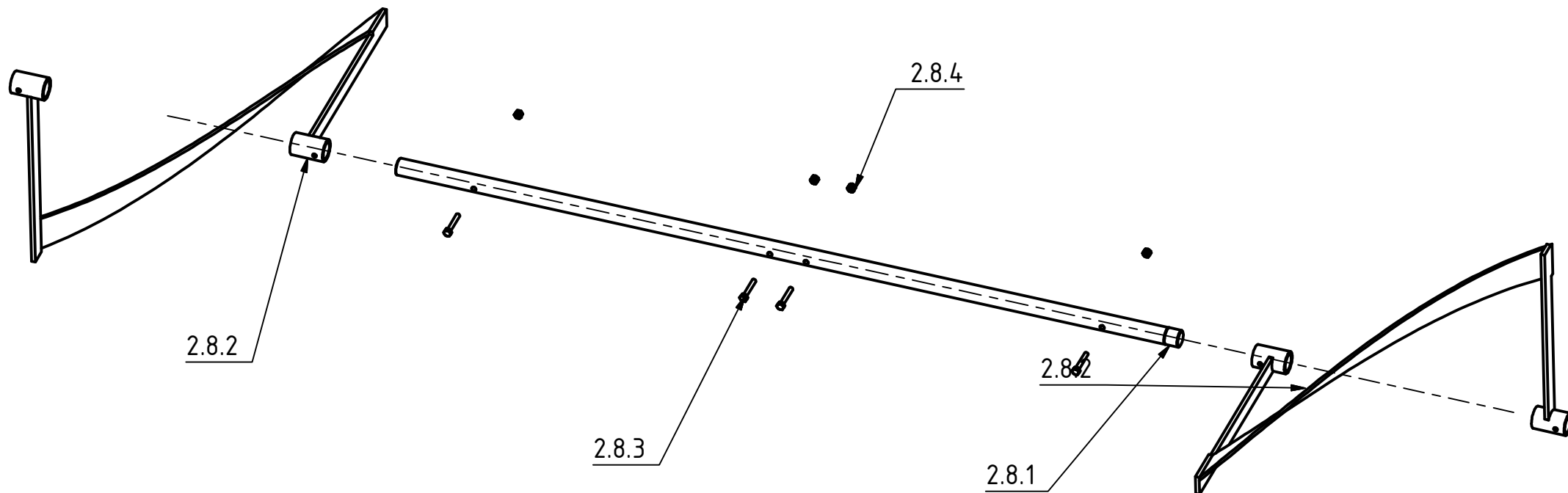
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Channel iron	oho_cbm_channel-iron.ipt			2.6
PUBLISHED BY	DOC. TYPE		MATERIAL	QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part		ASTM A36	1
	LICENCE		SCALE	SHEET
OHO e.V.	CC-BY-SA 4.0		1:8	33 /119

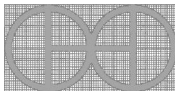


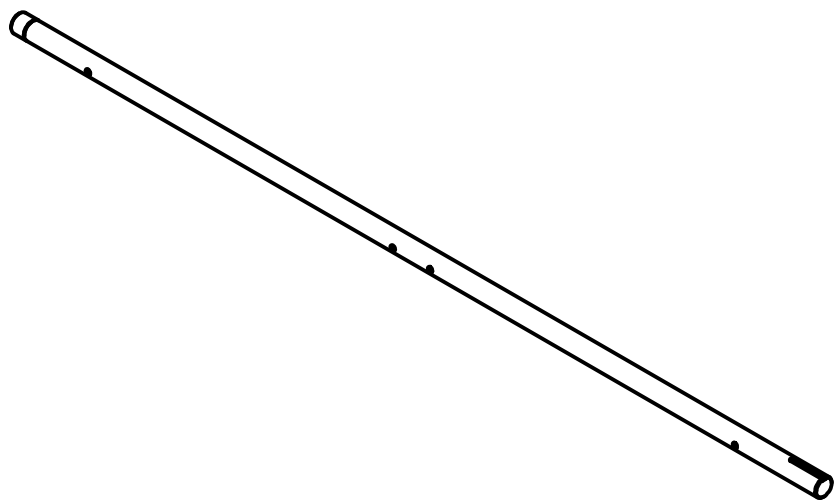
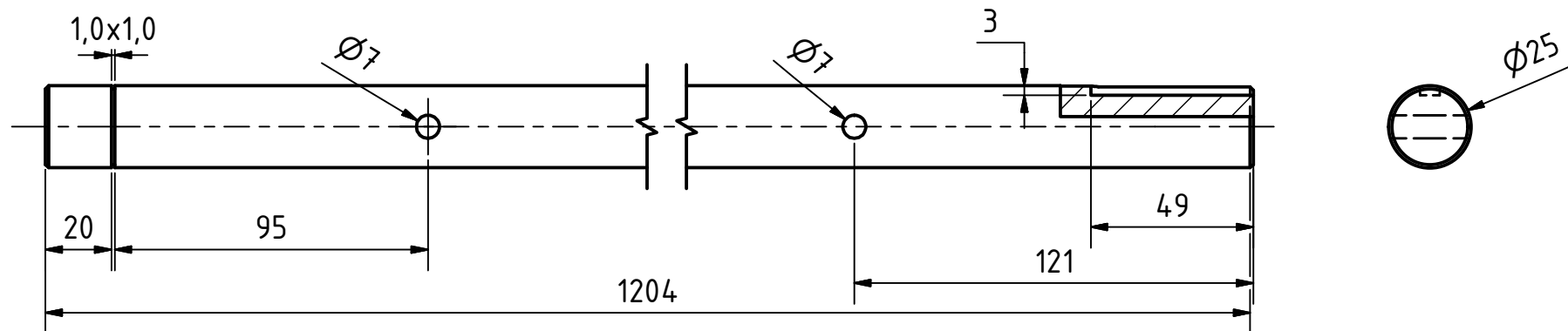
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Plate support hopper	oho_cbm_support-hopper.ipt			2.7
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	Steel C45	2	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:2	34 / 119	

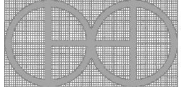


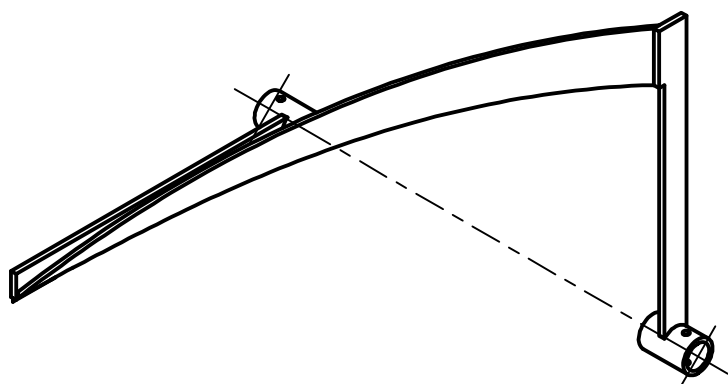
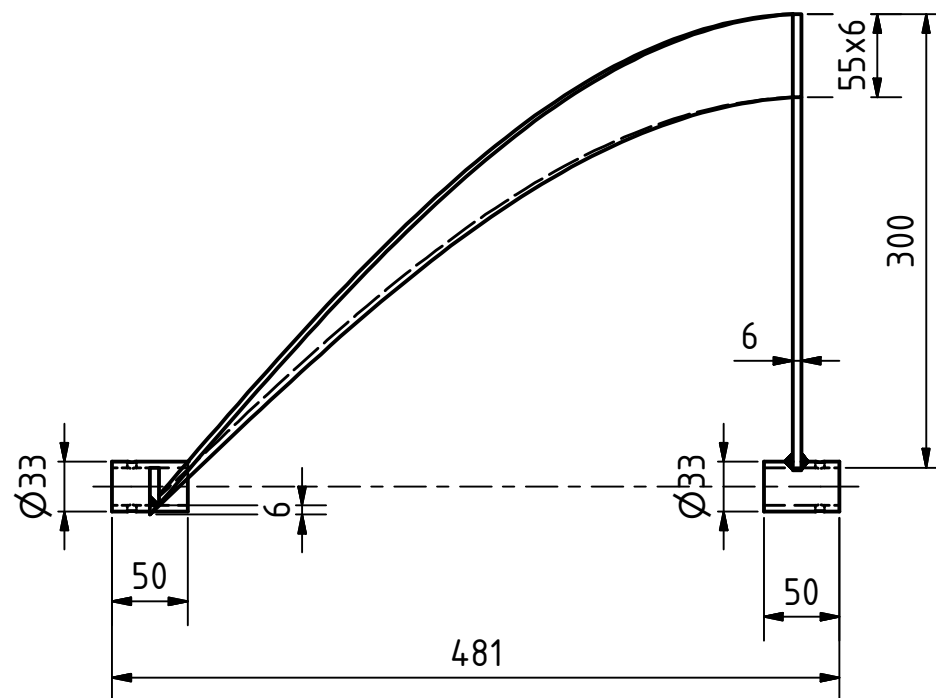
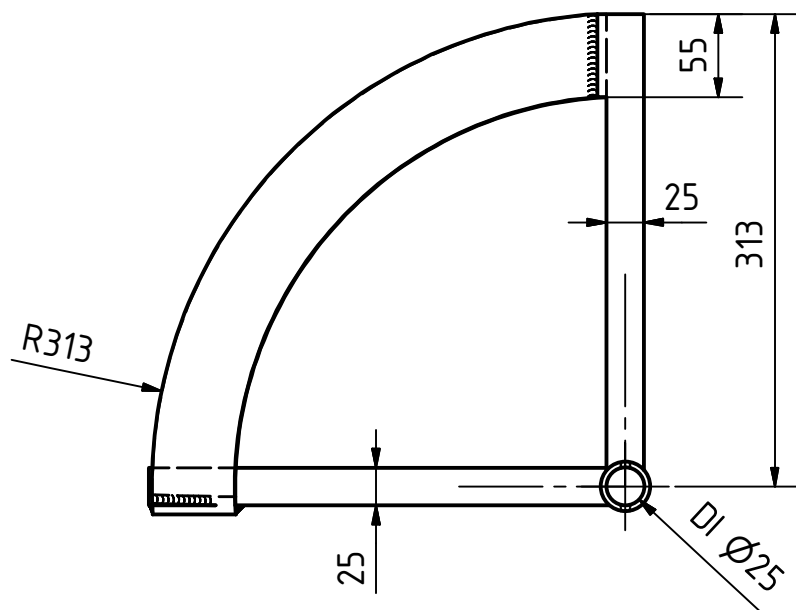
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Helice mixer	oho_cbm_helice-mixer.iam			2.8
PUBLISHED BY	DOC. TYPE		MATERIAL	QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Assembly			1
	LICENCE		SCALE	SHEET
OHO e.V.	CC-BY-SA 4.0		1:10	35 /119

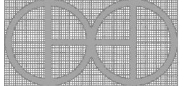


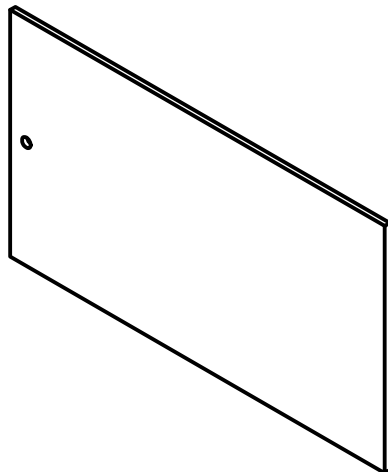
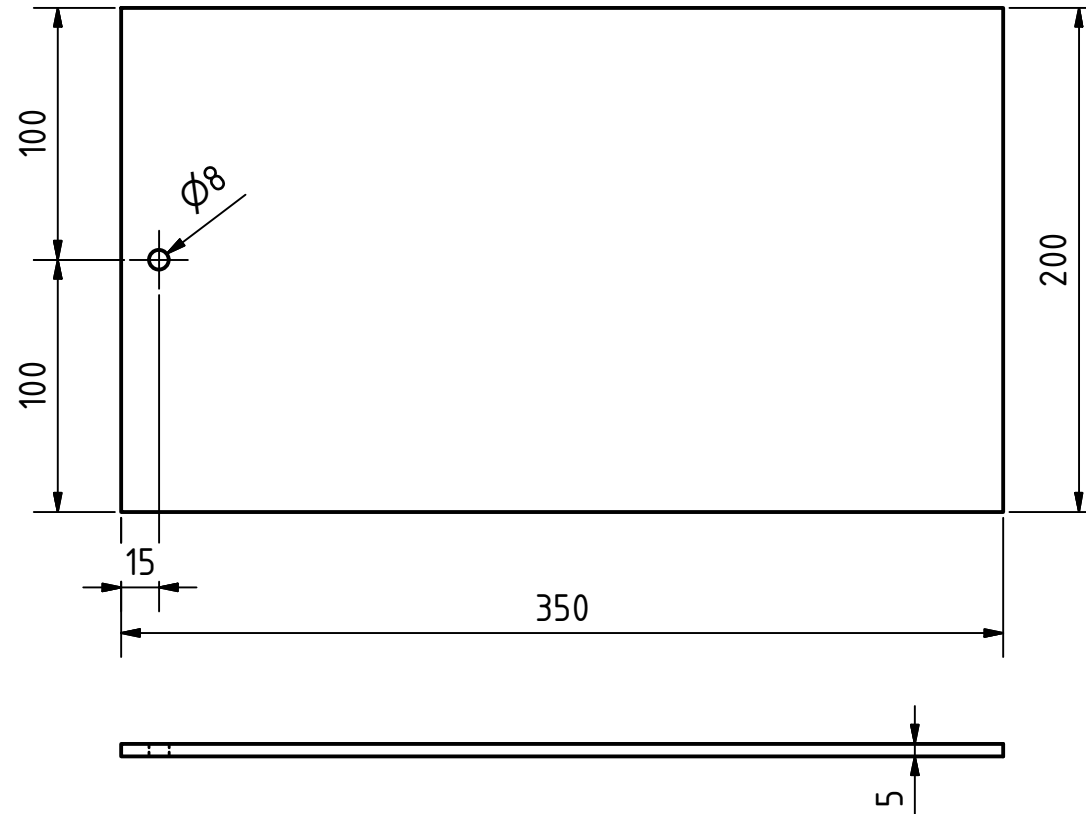
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Helice mixer	oho_cbm_helice-mixer.ipn			2.8
PUBLISHED BY	DOC. TYPE		MATERIAL	QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Assembly			1
	LICENCE		SCALE	SHEET
OHO e.V.	CC-BY-SA 4.0		1:10	36 /119

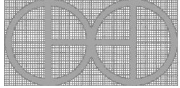


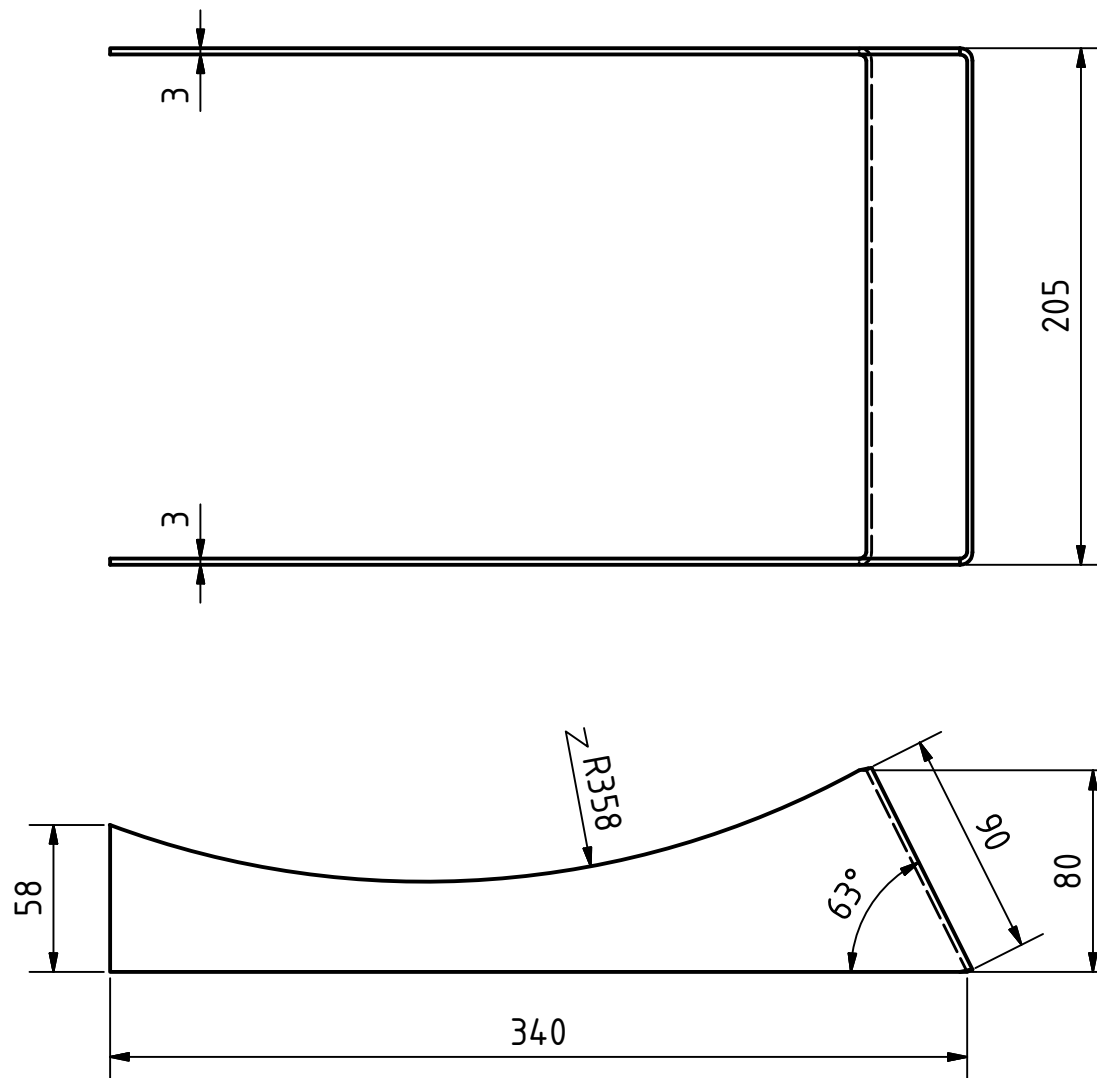
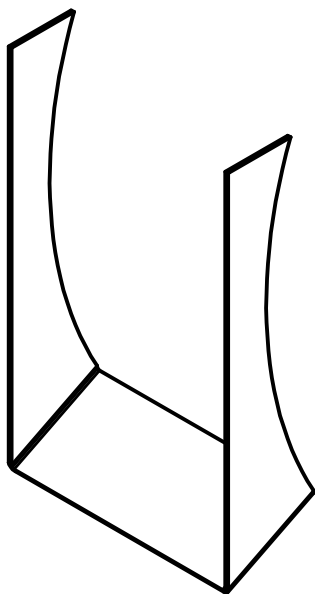
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Mixer axle	oho_cbm_mixer-axle.ipt			2.8.1
PUBLISHED BY	DOC. TYPE		MATERIAL	QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part		Steel C45	1
	LICENCE		SCALE	SHEET
OHO e.V.	CC-BY-SA 4.0		1:2	37 /119

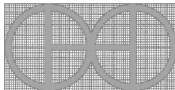


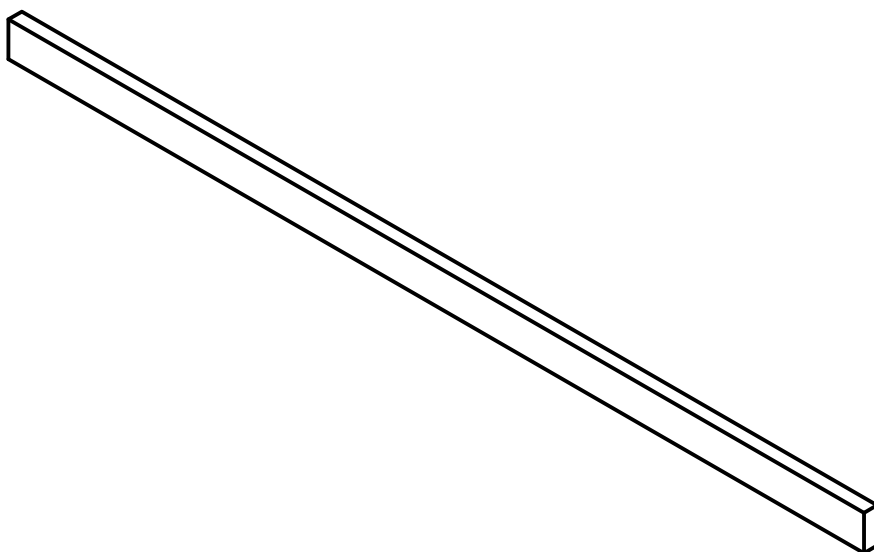
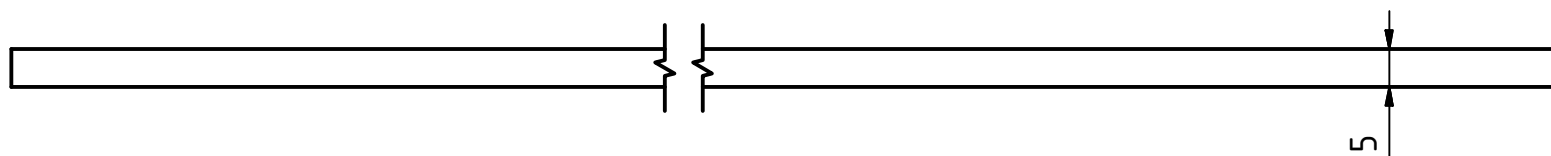
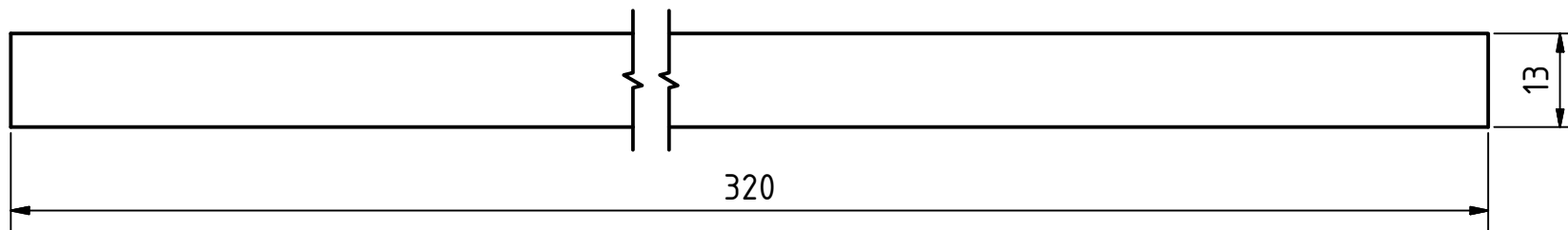
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME	POS		
Steel mixing	oho_cbm_steel-mixing.ipt	2.8.2		
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	Steel C45	2	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:5	38 /119	

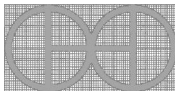


PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Mixer door	oho_cbm_door.ipt			2.9
PUBLISHED BY	DOC. TYPE		MATERIAL	QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part		Steel C45	1
	LICENCE		SCALE	SHEET
OHO e.V.	CC-BY-SA 4.0		1:3	39 /119

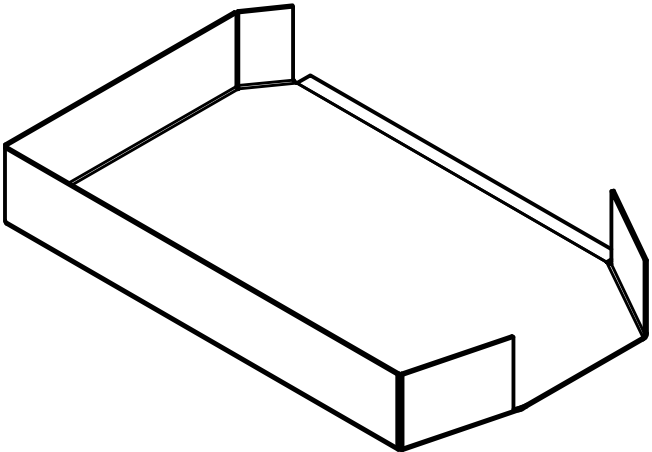
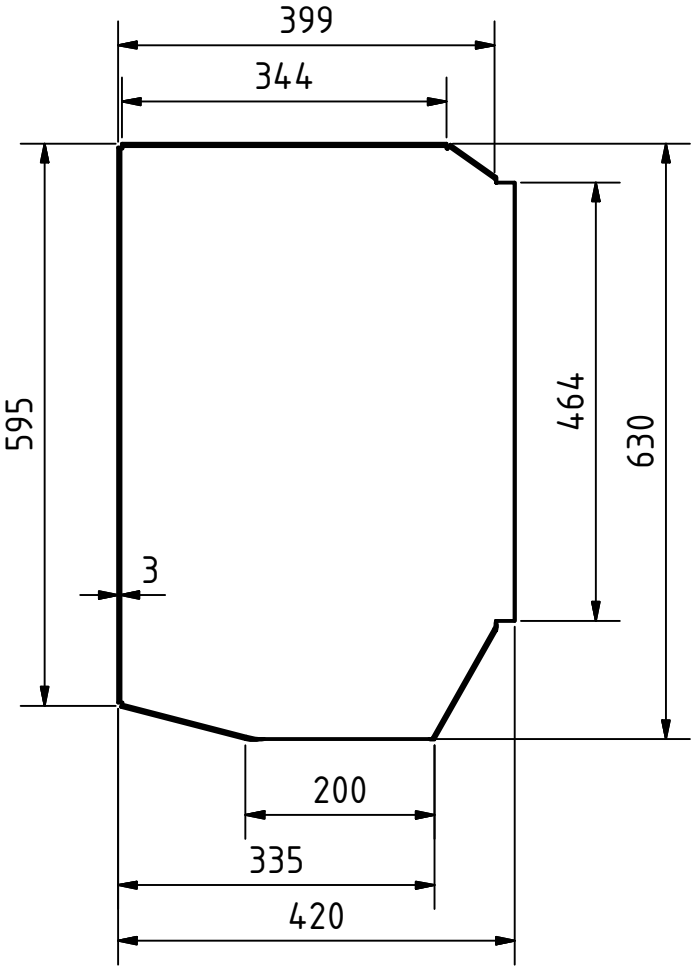
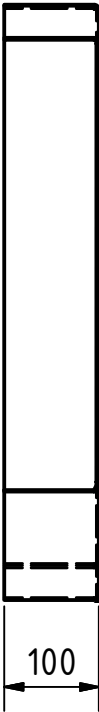
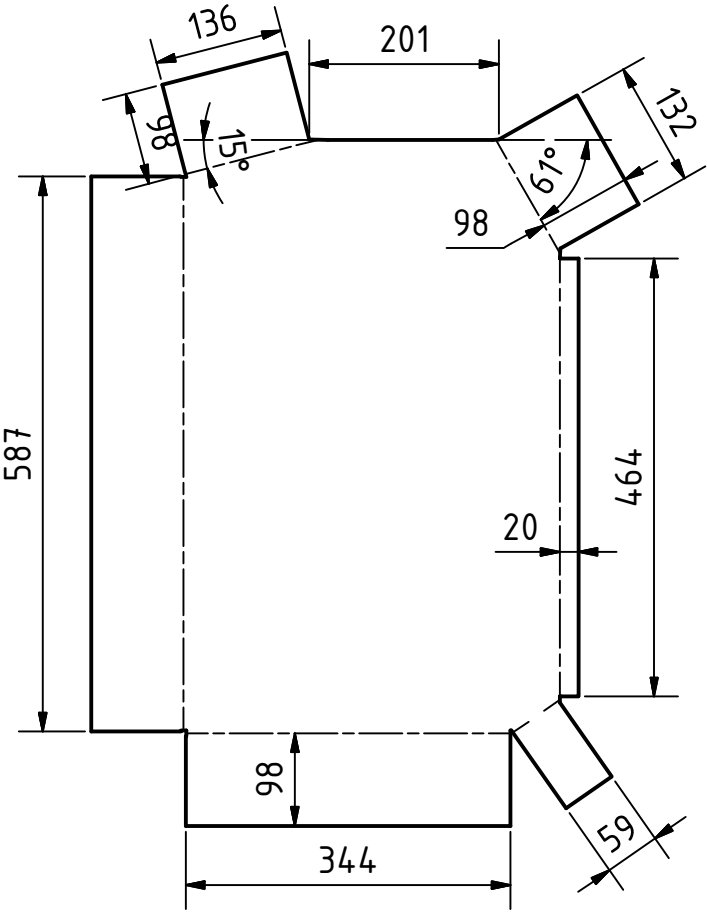


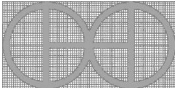
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Discharge channel	oho_cbm_discharge-channel.ipt			2.10
PUBLISHED BY	DOC. TYPE		MATERIAL	QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part		Steel C45	1
	LICENCE		SCALE	SHEET
OHO e.V.	CC-BY-SA 4.0		1:3	40 /119

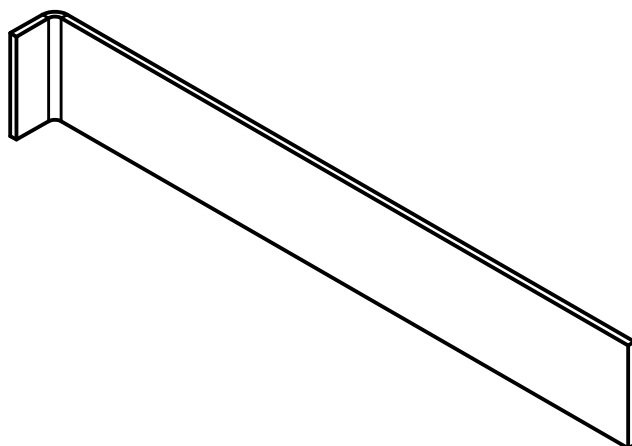
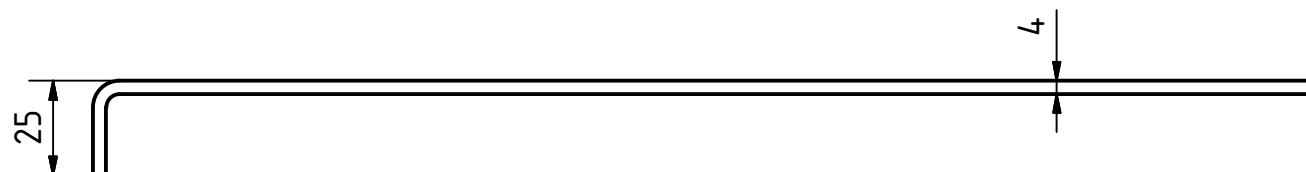
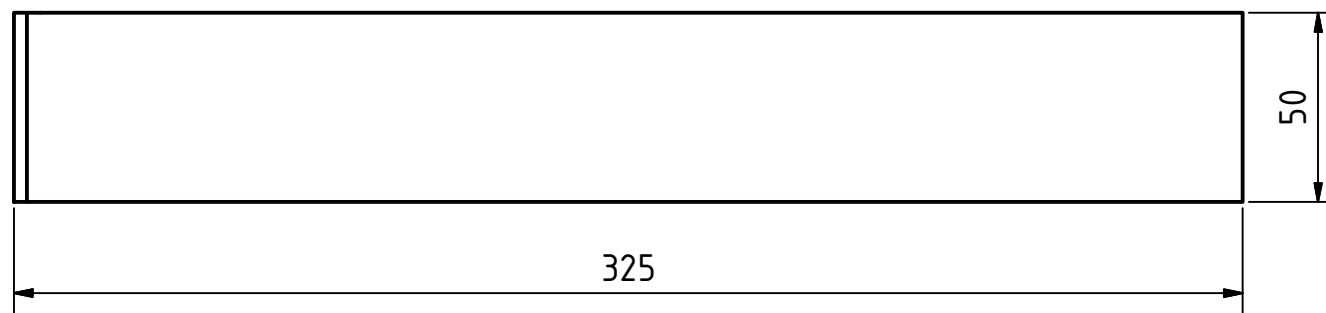


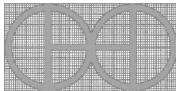
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Door guie	oho_cbm_door-guie.ipt			2.11
PUBLISHED BY	DOC. TYPE		MATERIAL	QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part		Steel C45	2
	LICENCE		SCALE	SHEET
OHO e.V.	CC-BY-SA 4.0		1:1	41 /119

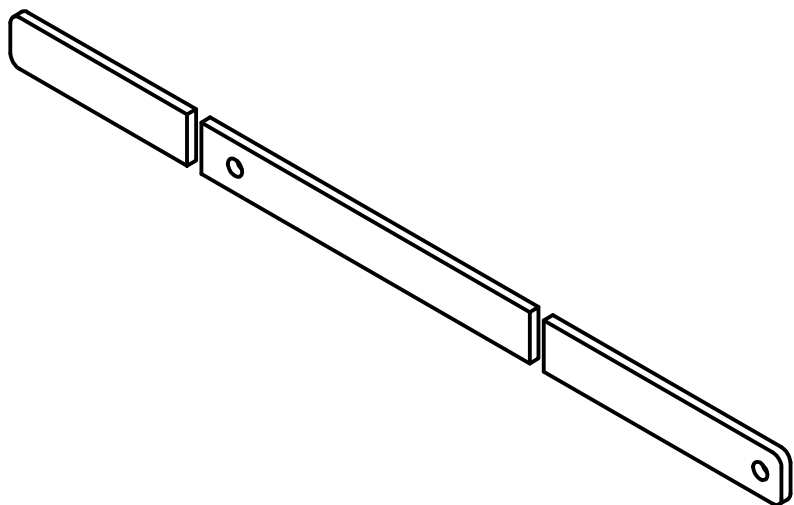
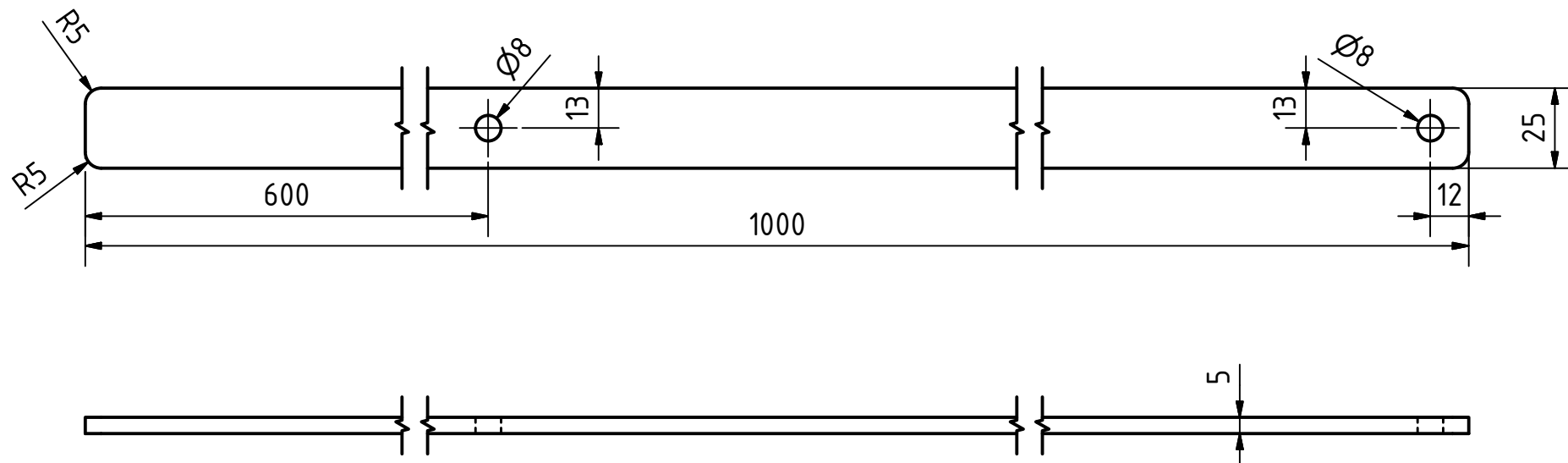
Flat Pattern (1 : 8)

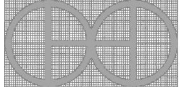


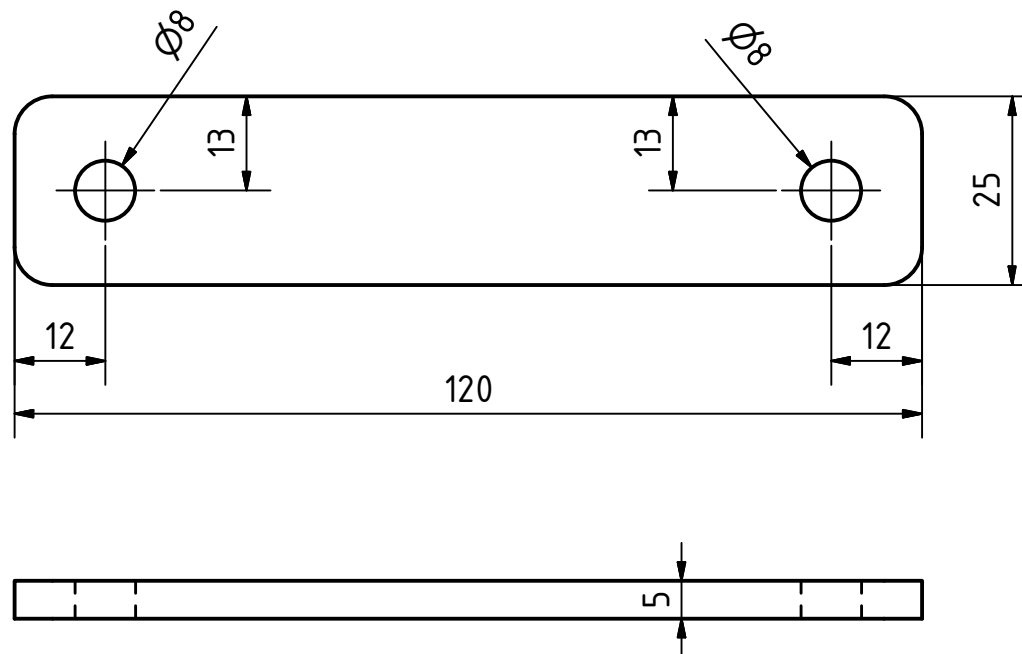
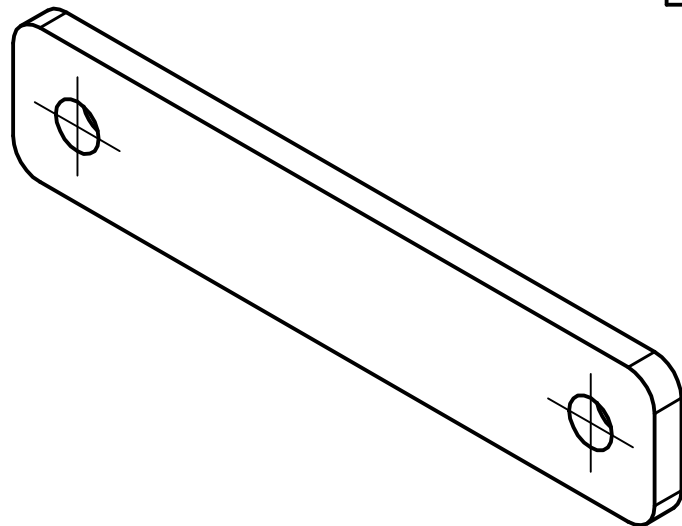
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Concrete bin	oho_cbm_concrete-bin.ipt			2.12
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	Steel C45	1	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:8	42 /119	

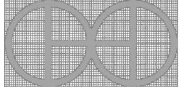


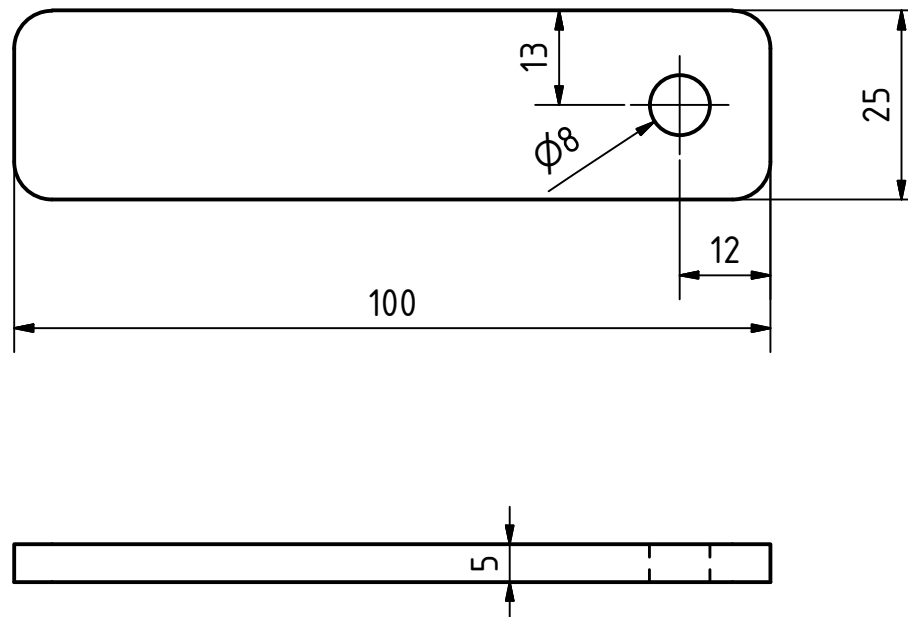
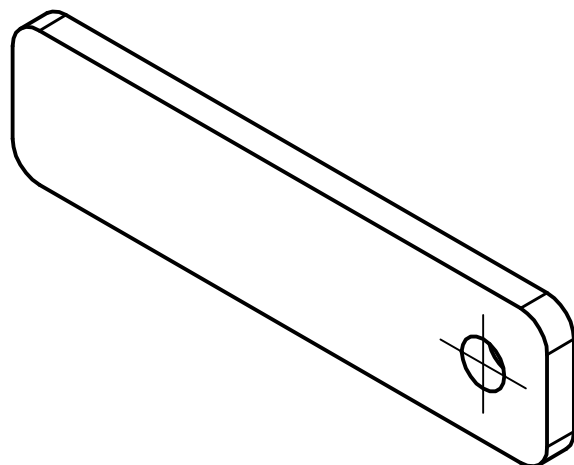
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Plate support bin	oho_cbm_support-bin.ipt			2.13
PUBLISHED BY	DOC. TYPE		MATERIAL	QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part		Steel C45	1
	LICENCE		SCALE	SHEET
OHO e.V.	CC-BY-SA 4.0		1:2	43 /119

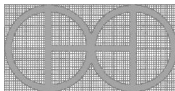


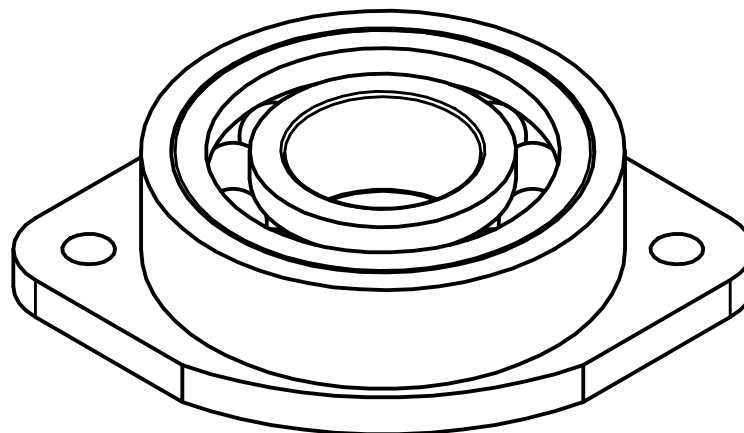
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Door action	oho_cbm_door-action.ipt			2.14
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	Steel C45	1	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:2	44 /119	

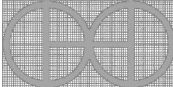


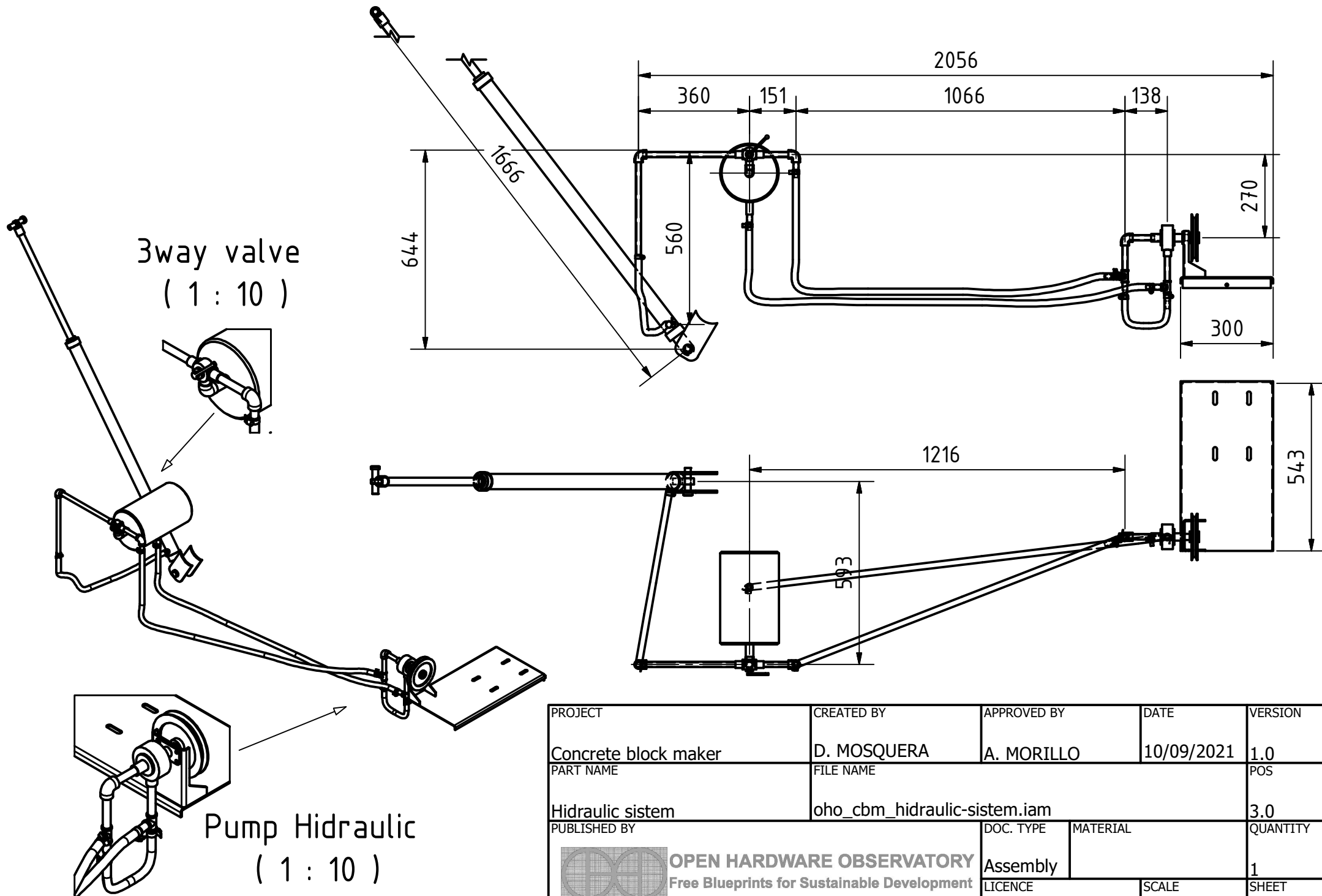
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Door plate	oho_cbm_door-plate.ipt			2.15
PUBLISHED BY	DOC. TYPE		MATERIAL	QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part		Steel C45	1
	LICENCE		SCALE	SHEET
OHO e.V.	CC-BY-SA 4.0		1:2	45 /119

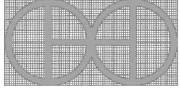


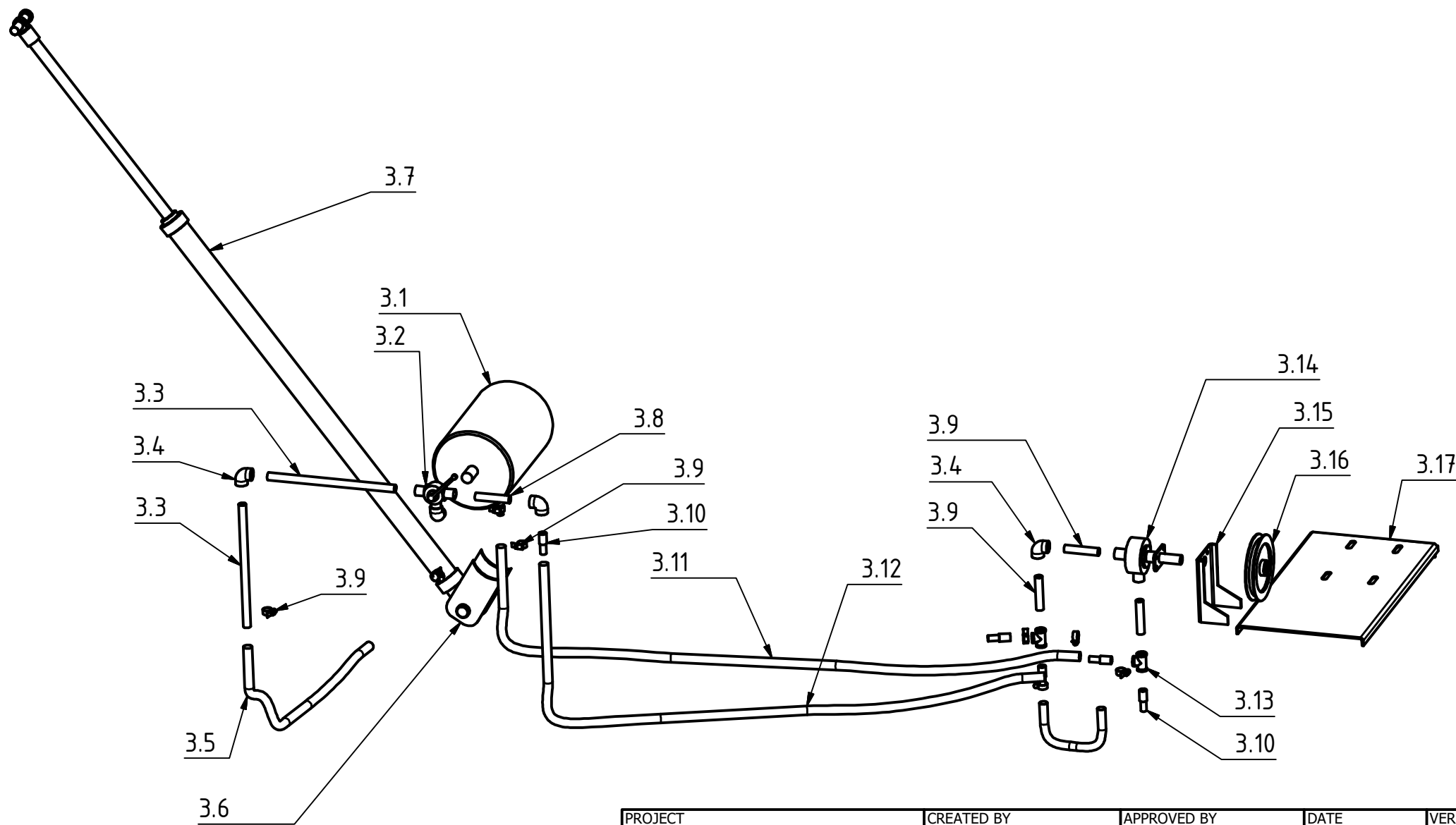
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Door plate pivot	oho_cbm_door-pivote.ipt			2.16
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	Steel C45	1	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:1	46 /119	

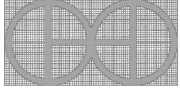


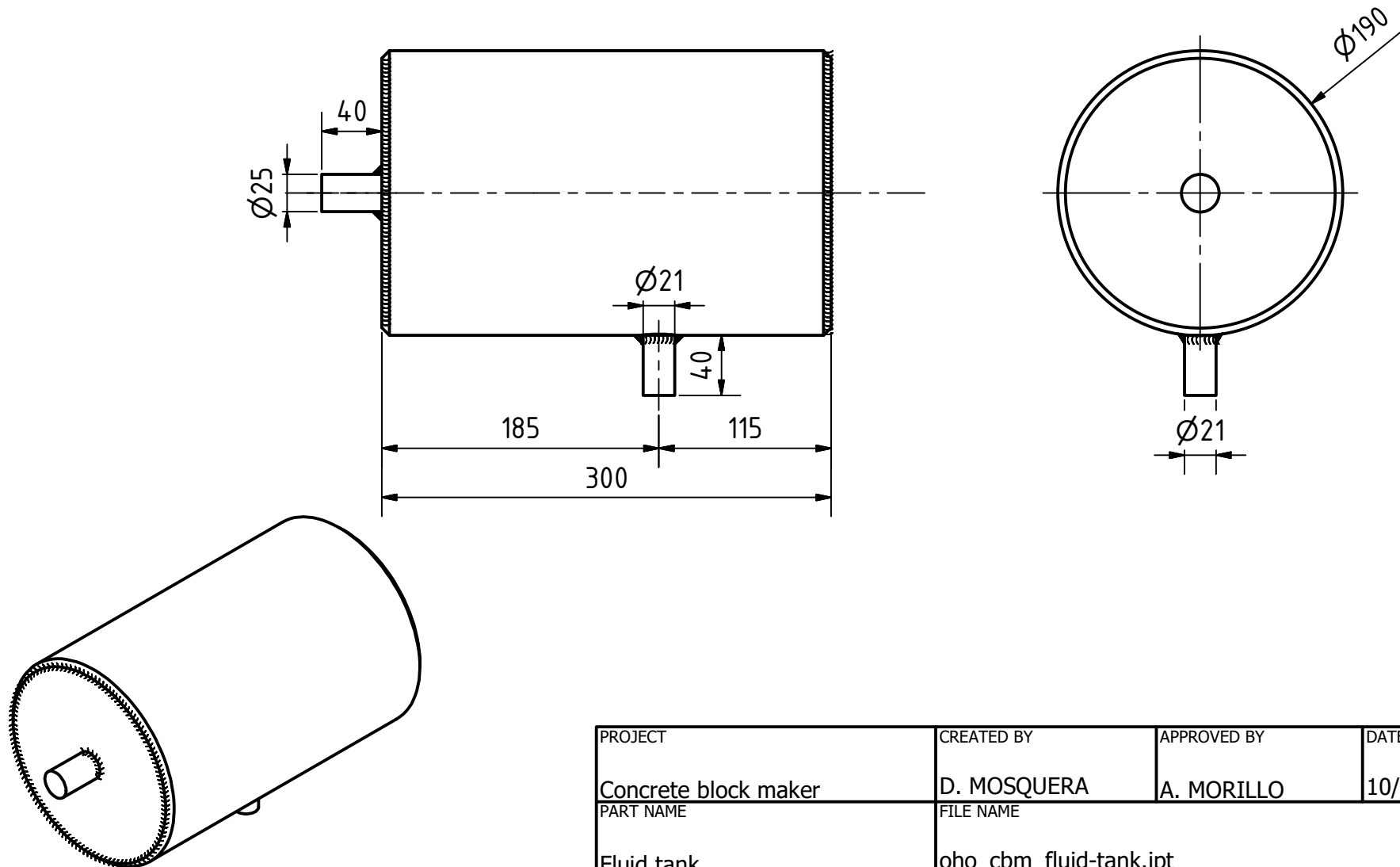
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Bearing	oho_cbm_bearing-support.iam			2.23
PUBLISHED BY	DOC. TYPE		MATERIAL	QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Assembly			2
	LICENCE		SCALE	SHEET
OHO e.V.	CC-BY-SA 4.0		1:1	47 /119

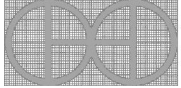


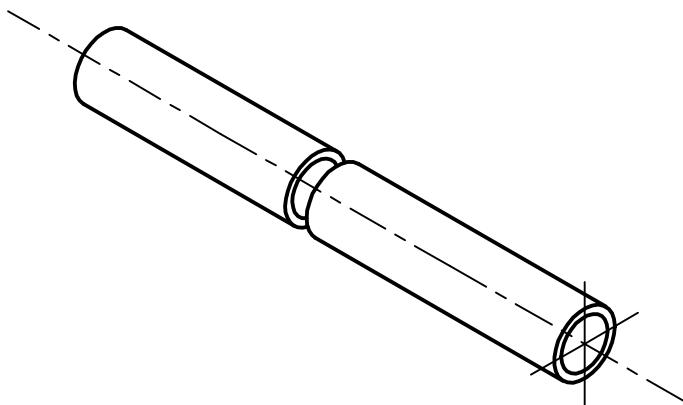
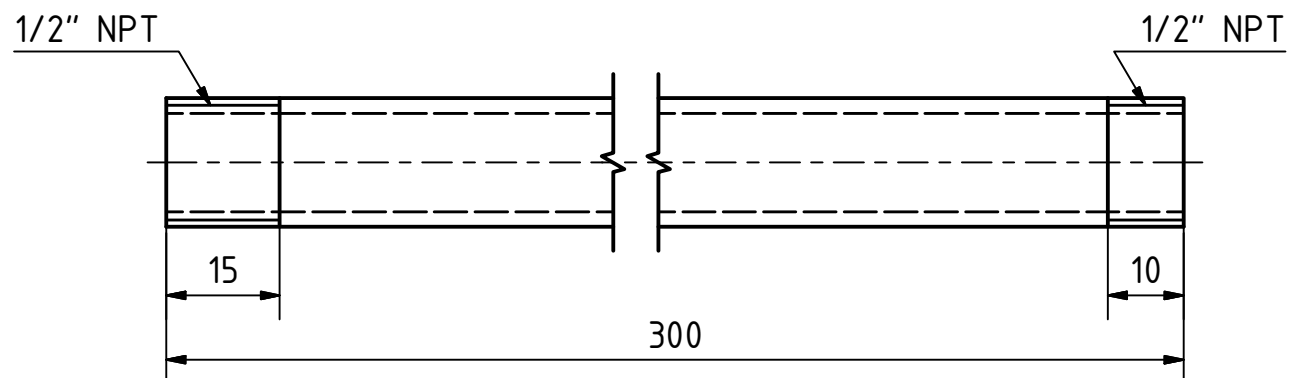
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME	POS		
Hidraulic sistem	oho_cbm_hidraulic-sistem.iam	3.0		
PUBLISHED BY	DOC. TYPE		MATERIAL	QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Assembly			1
	LICENCE		SCALE	SHEET
OHO e.V.	CC-BY-SA 4.0		1:15	48 /119

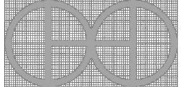


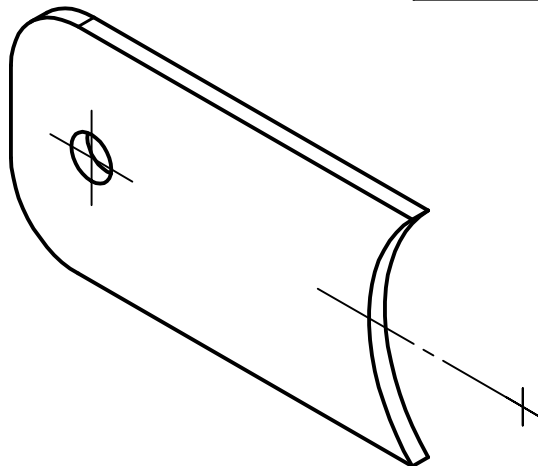
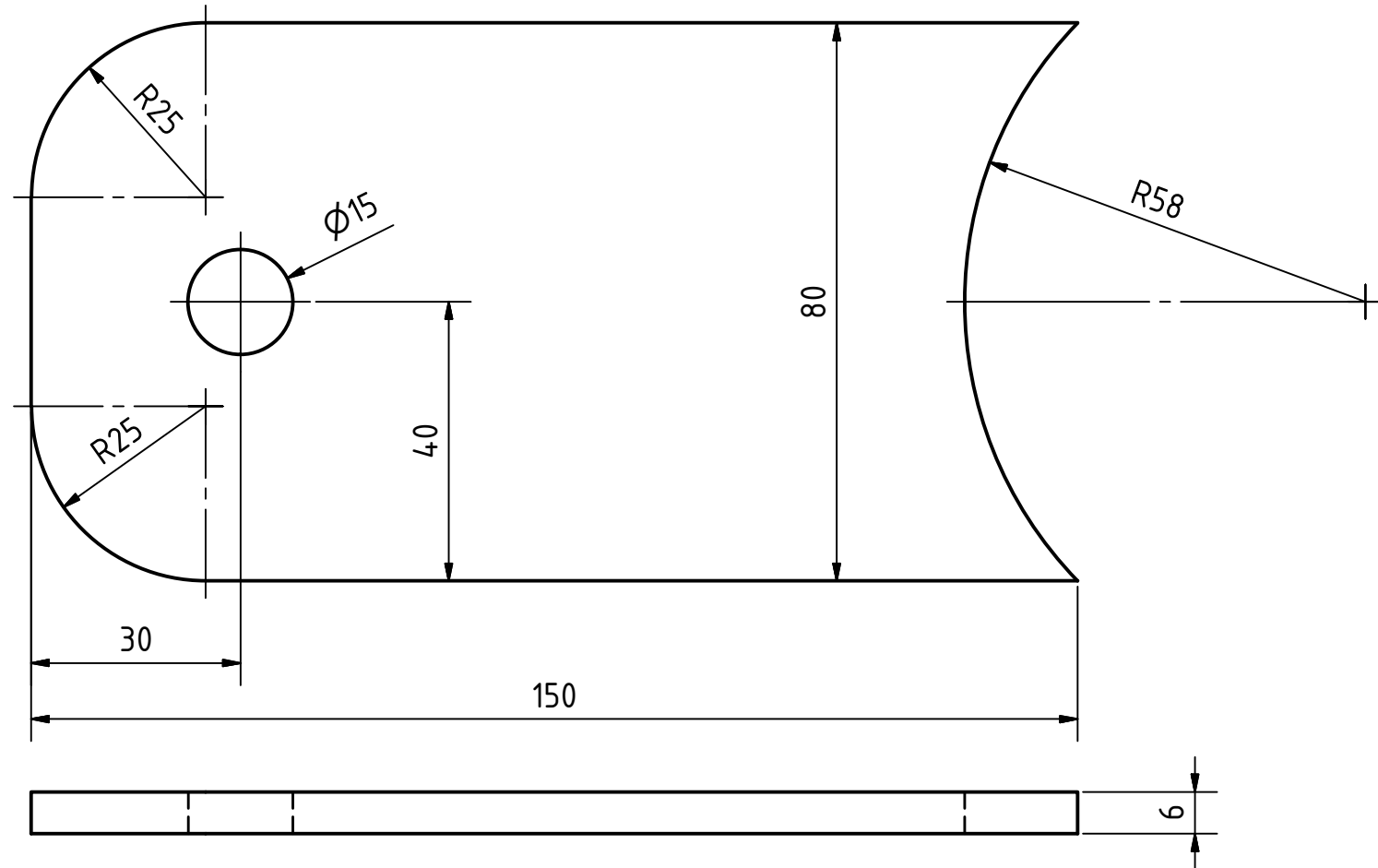
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Hidraulic Sistem	oho_cbm_hidraulic-sistem.ipn			3.0
PUBLISHED BY	DOC. TYPE		MATERIAL	QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Assembly			1
	LICENCE		SCALE	SHEET
OHO e.V.	CC-BY-SA 4.0			49 /119

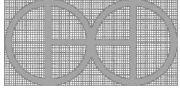


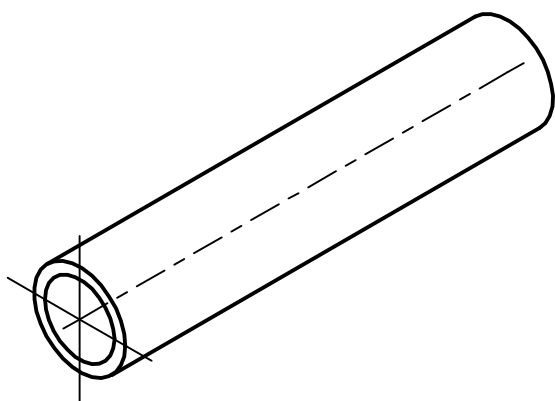
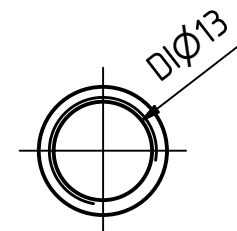
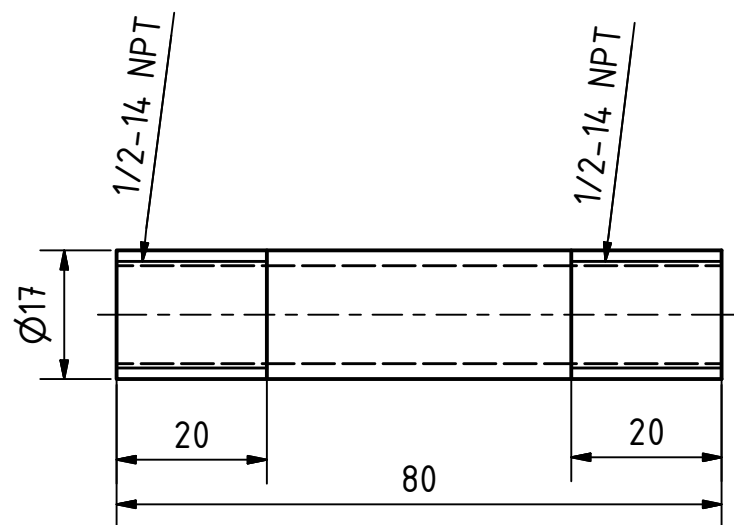
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Fluid tank	oho_cbm_fluid-tank.ipt			3.1
PUBLISHED BY	DOC. TYPE		MATERIAL	QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part		Steel C45	1
	LICENCE		SCALE	SHEET
OHO e.V.	CC-BY-SA 4.0		1:5	50 /119

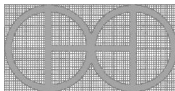


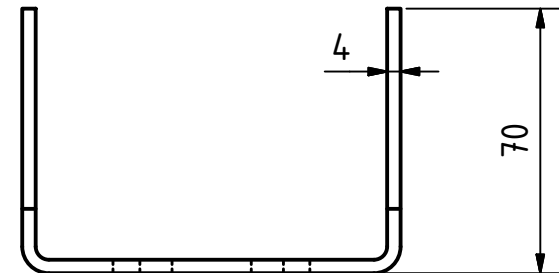
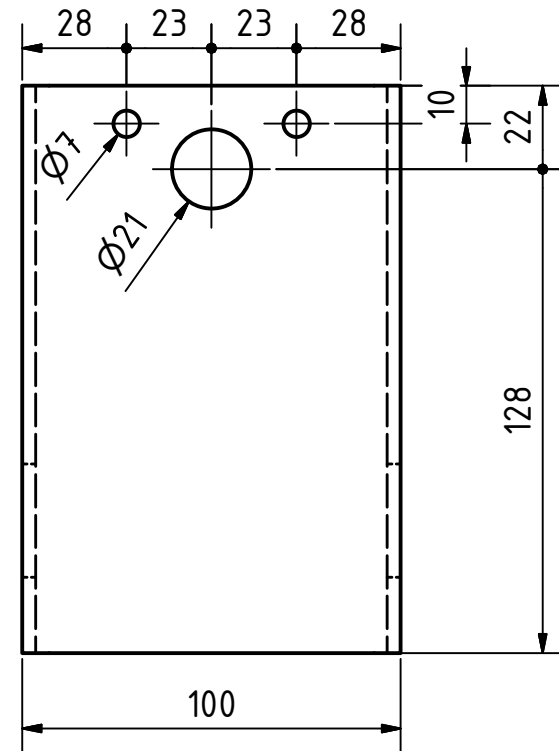
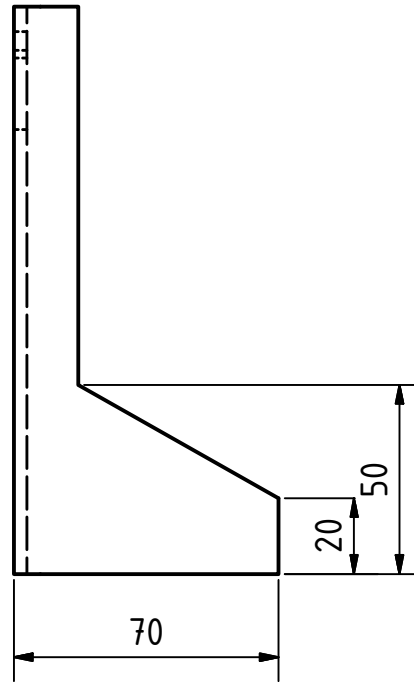
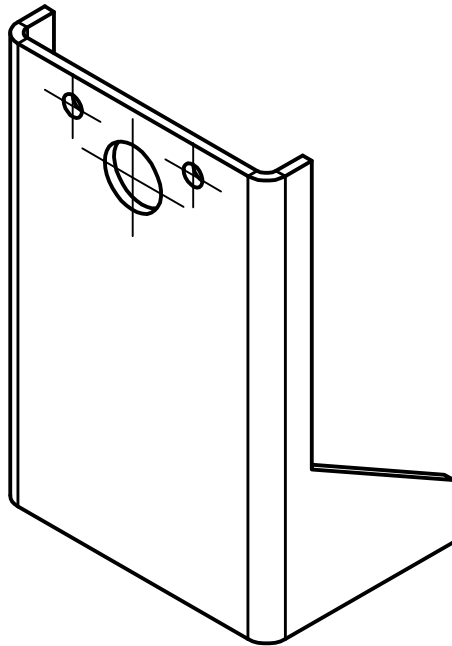
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Pipe hydraulic	oho_cbm_pipe-hydraulic.ipt			3.3
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	Steel Galvanized	2	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:1	51 /119	

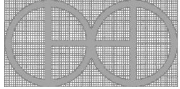


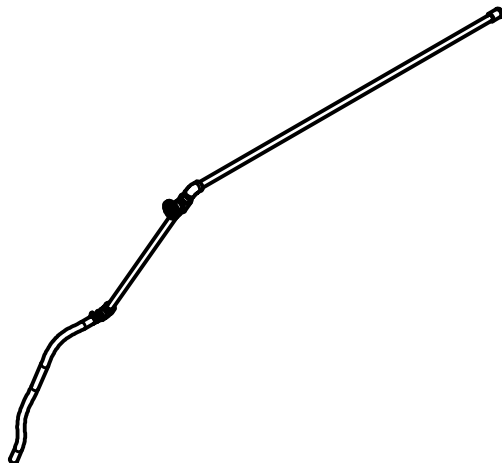
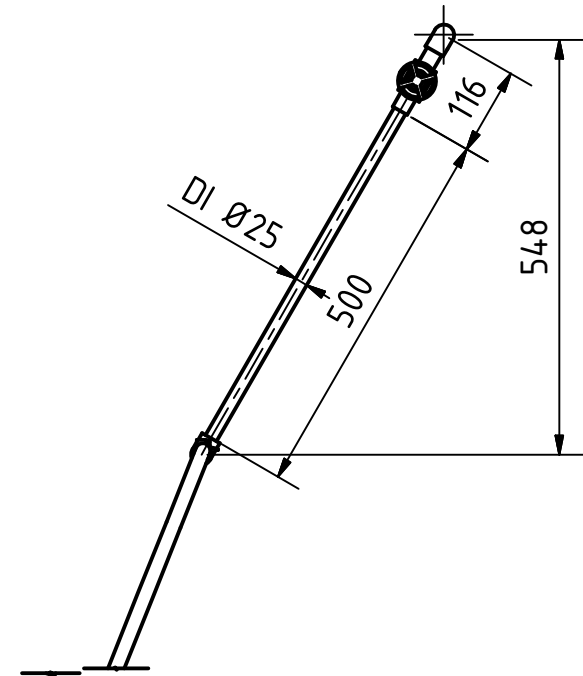
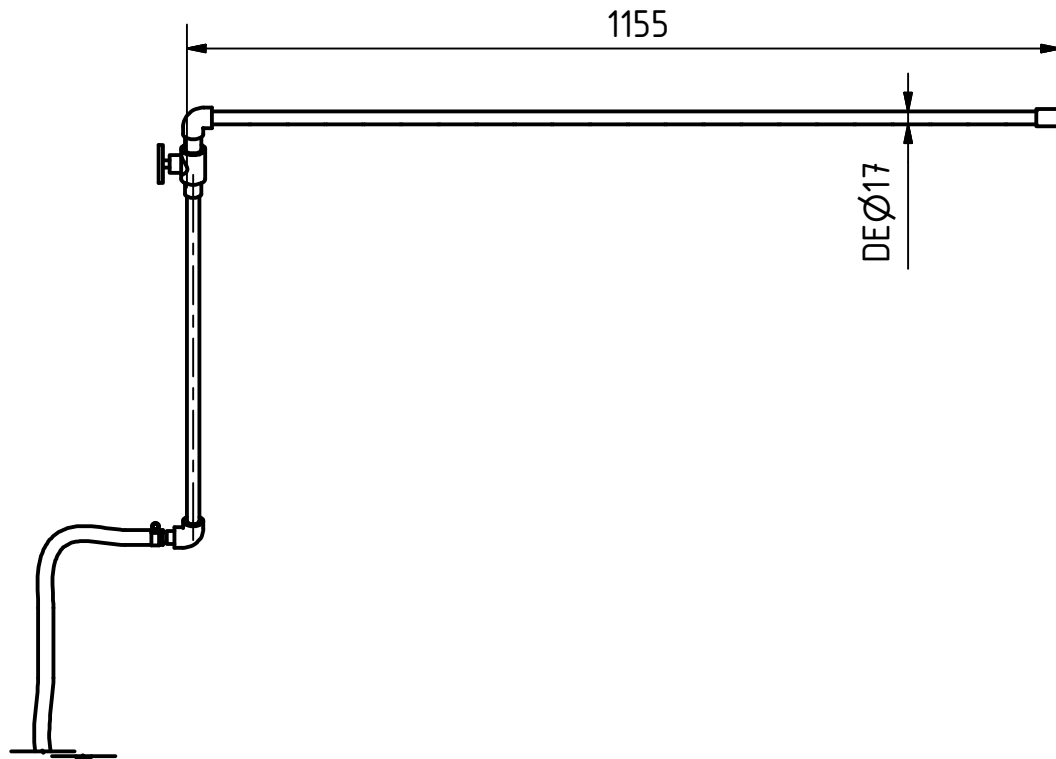
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Cilinder plate support	oho_cbm_cilinder-support.ipt			3.6
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	Steel C45	2	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:2	52 /119	

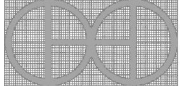


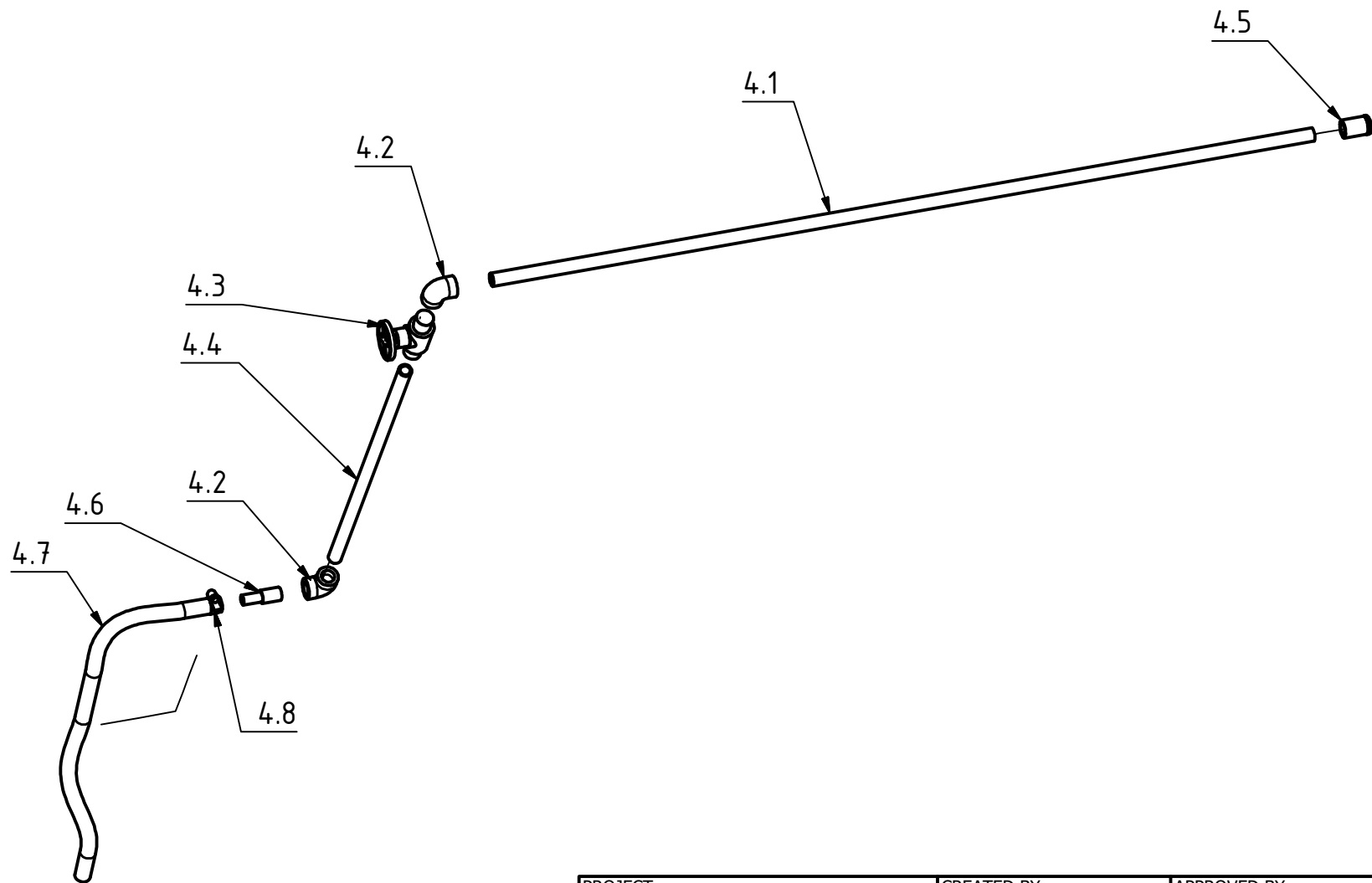
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Pipe short hydraulic	oho_cbm_pipe2-hydraulic.ipt			3.8
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	Galvanized steel	5	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:1	53 /119	

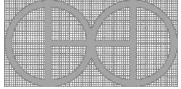


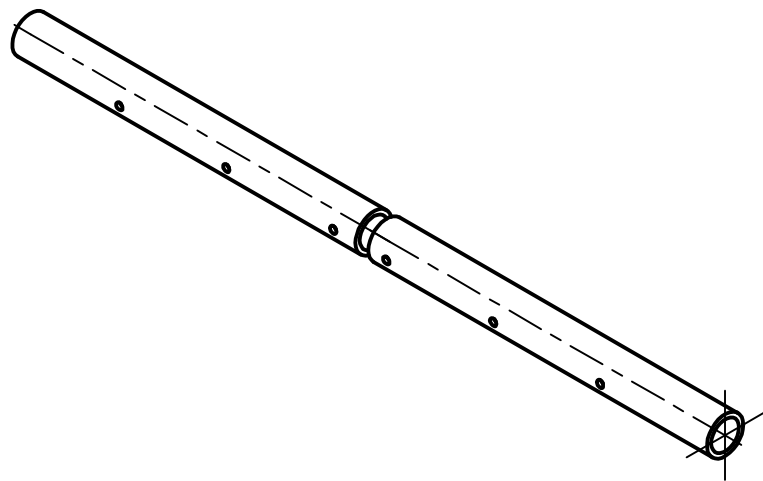
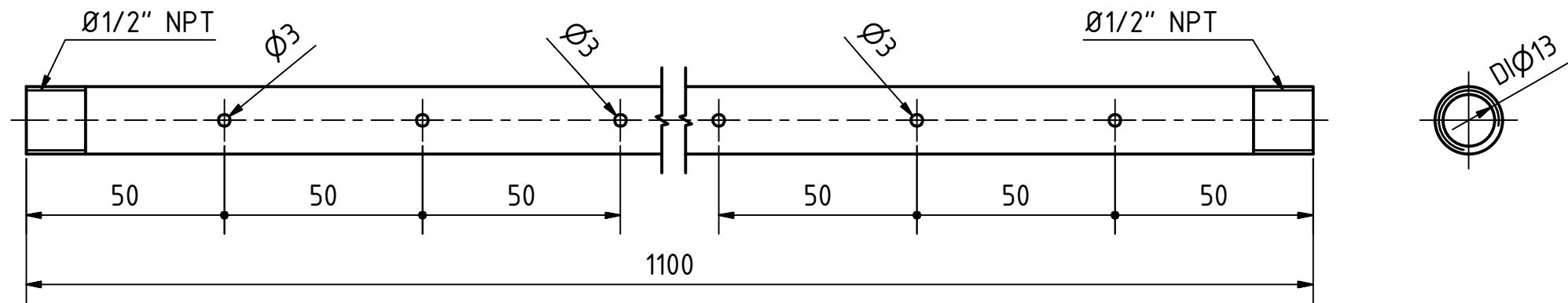
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME	POS		
Support pump	oho_cbm_support-pump.ipt	3.15		
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	Steel C45	1	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:5	54 /119	

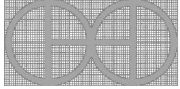


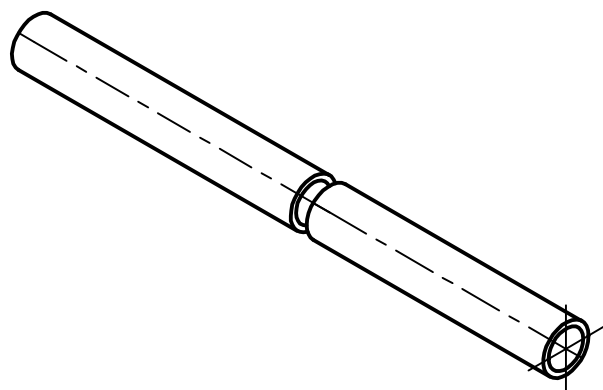
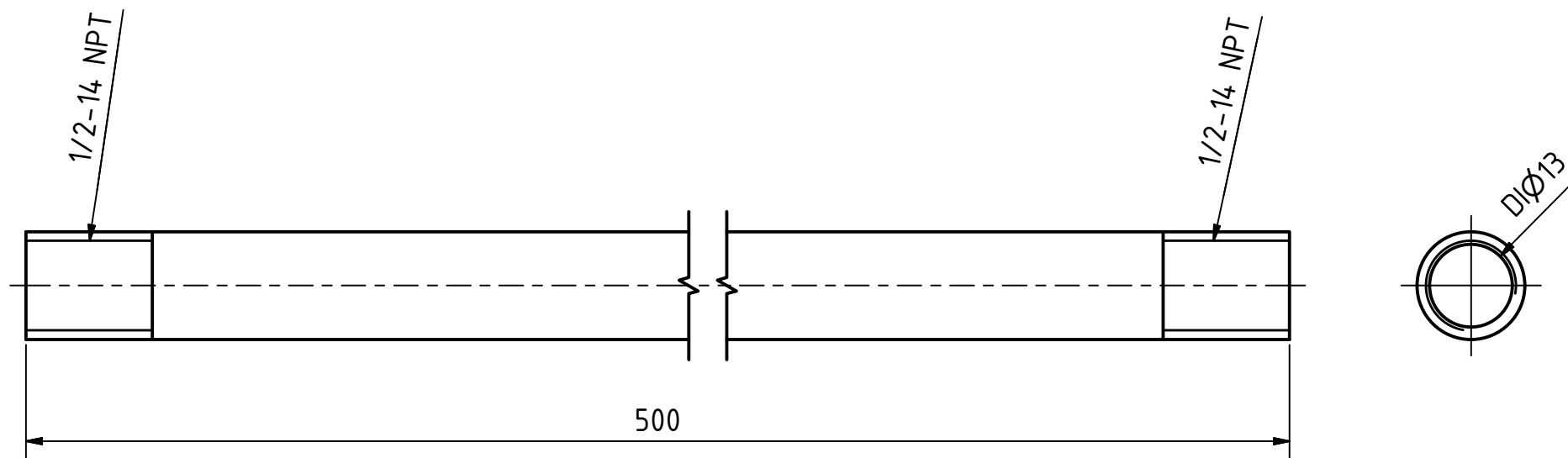
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Water sistem	oho_cbm_water-sistem.iam			4.0
PUBLISHED BY	DOC. TYPE	MATERIAL		QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Assembly			1
	LICENCE	SCALE		SHEET
OHO e.V.	CC-BY-SA 4.0	1:10		55 /119

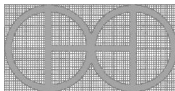


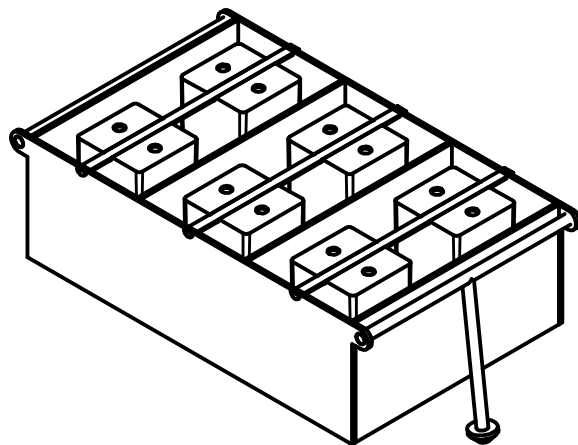
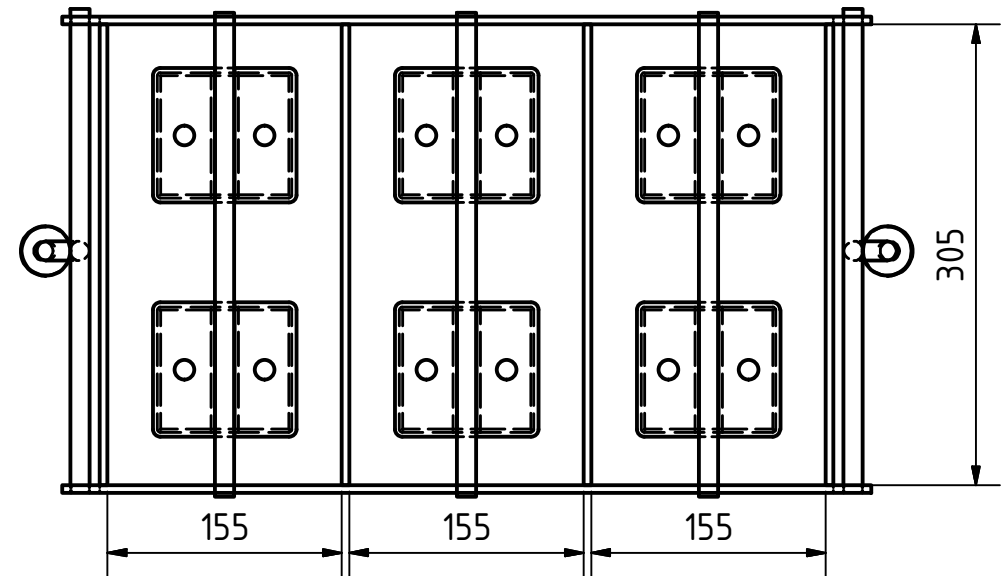
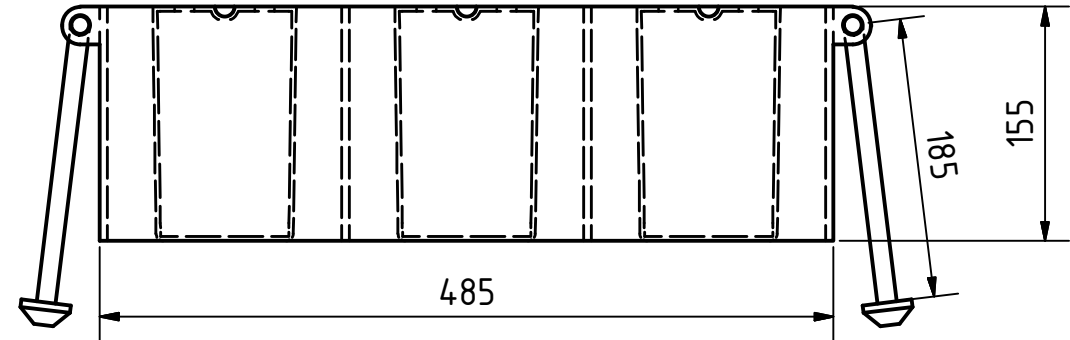
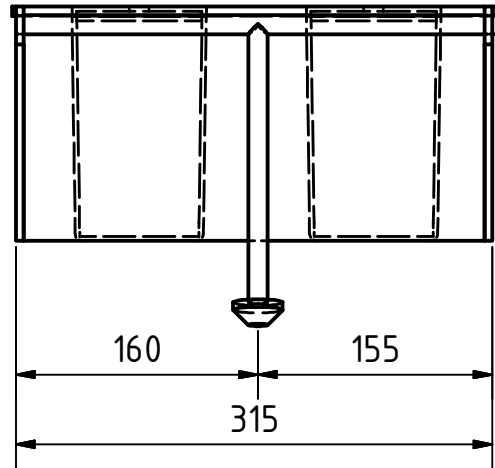
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Water sistem	oho_cbm_water-sistem.ipn			4.0
PUBLISHED BY	DOC. TYPE		MATERIAL	QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Assembly			1
	LICENCE		SCALE	SHEET
OHO e.V.	CC-BY-SA 4.0		1:8	56 /119

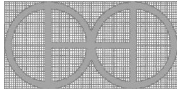


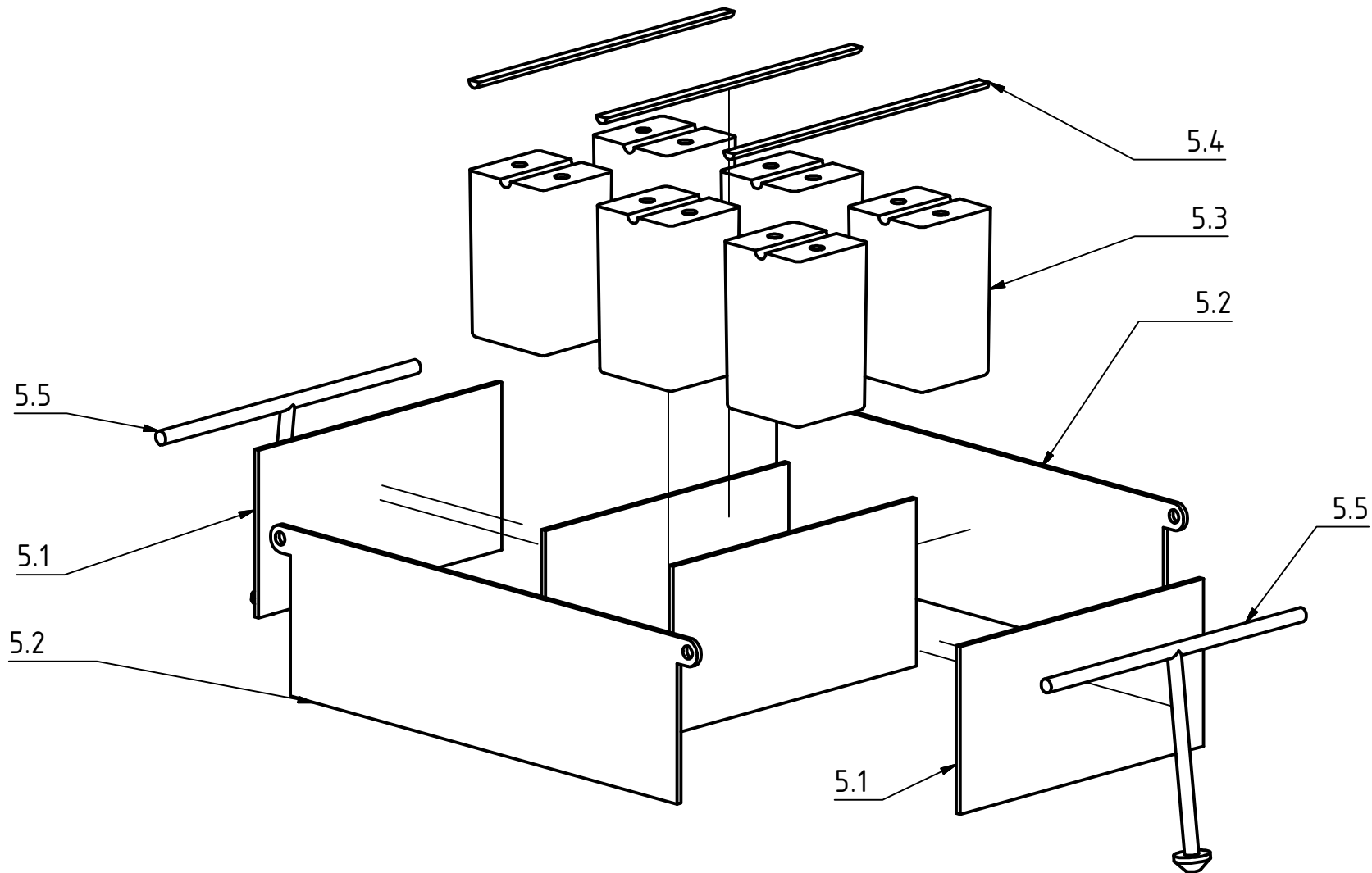
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Pipe scatter	oho_cbm_pipe3-hydraulic.ipt			4.1
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	Galvanized Steel	1	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:1,5	57 /119	

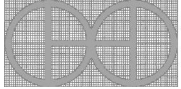


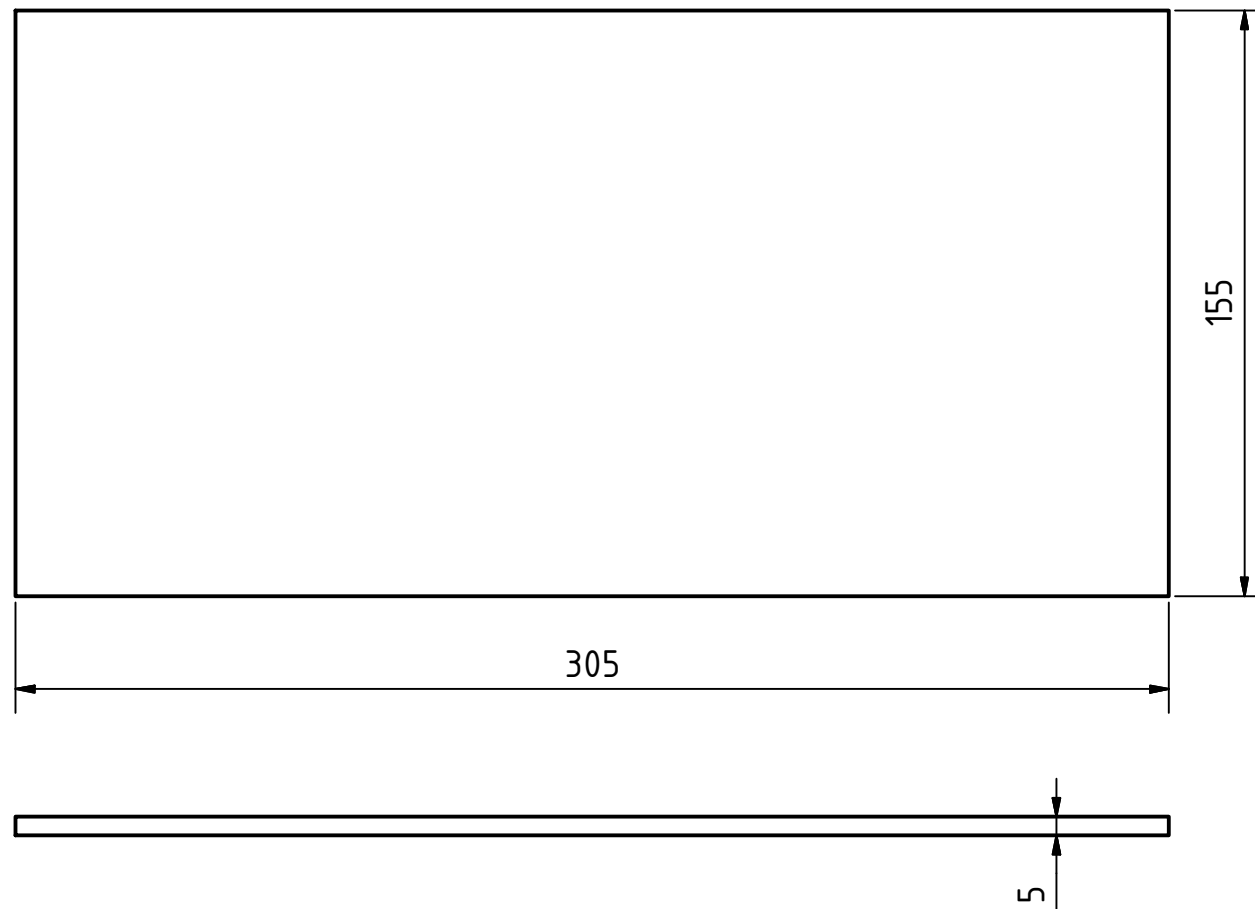
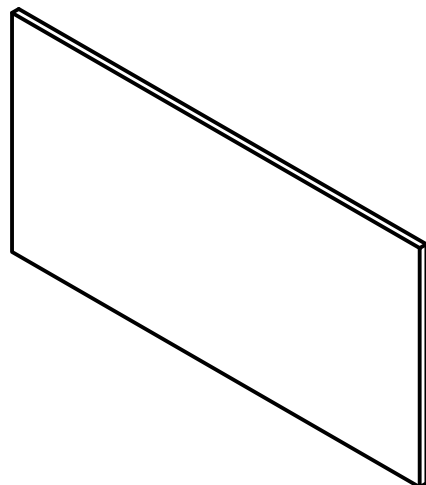
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Pipe water	oho_cbm_pipe4-hydraulic.ipt			4.4
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	Galvanizec steel	1	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:1	58 /119	




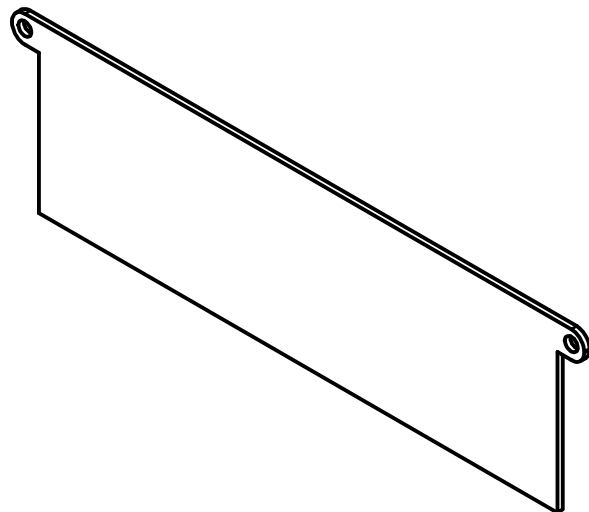
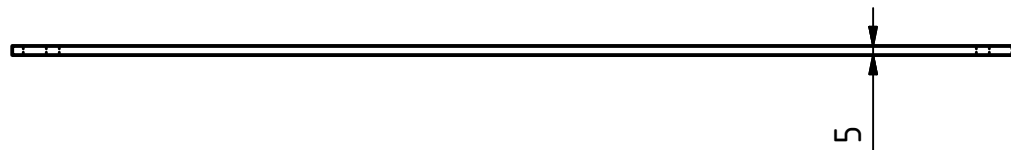
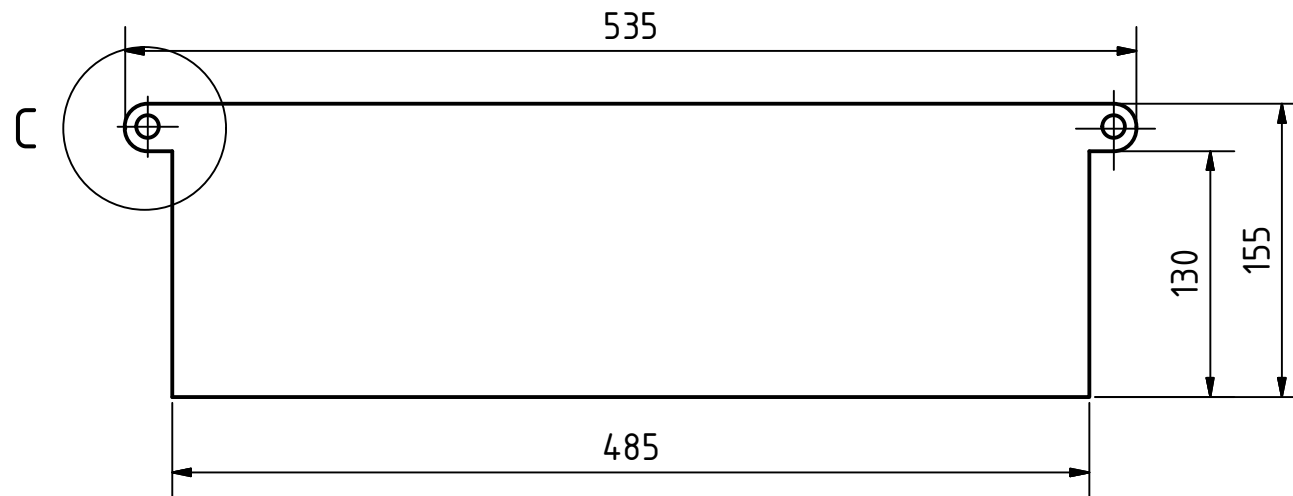
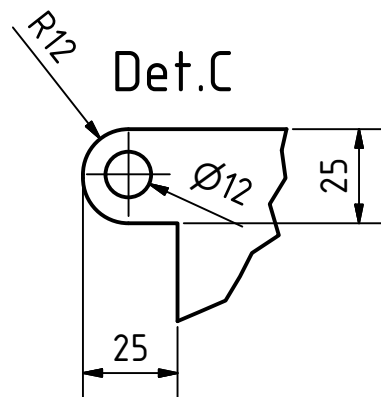
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Mold block	oho_cbm_mold.iam			5.0
PUBLISHED BY		DOC. TYPE	MATERIAL	QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development		Assembly		1
		LICENCE	SCALE	SHEET
OHO e.V.		CC-BY-SA 4.0	1:8	59 /119

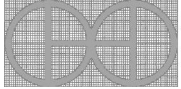


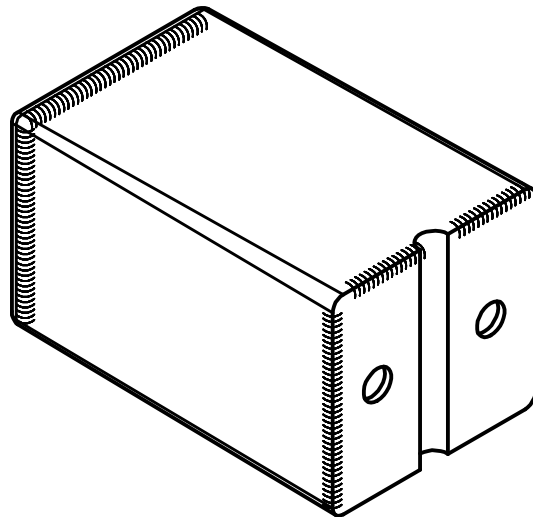
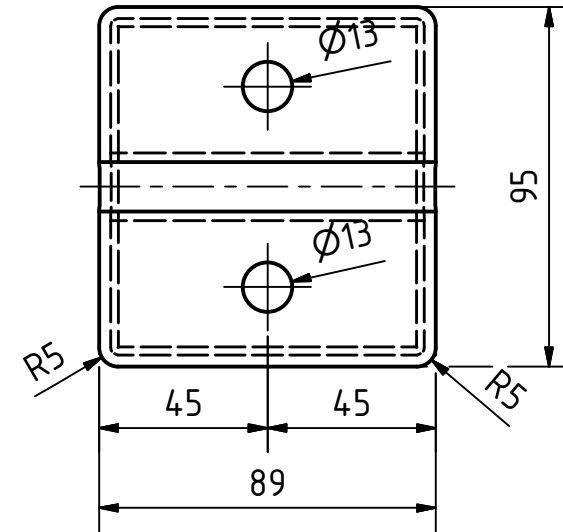
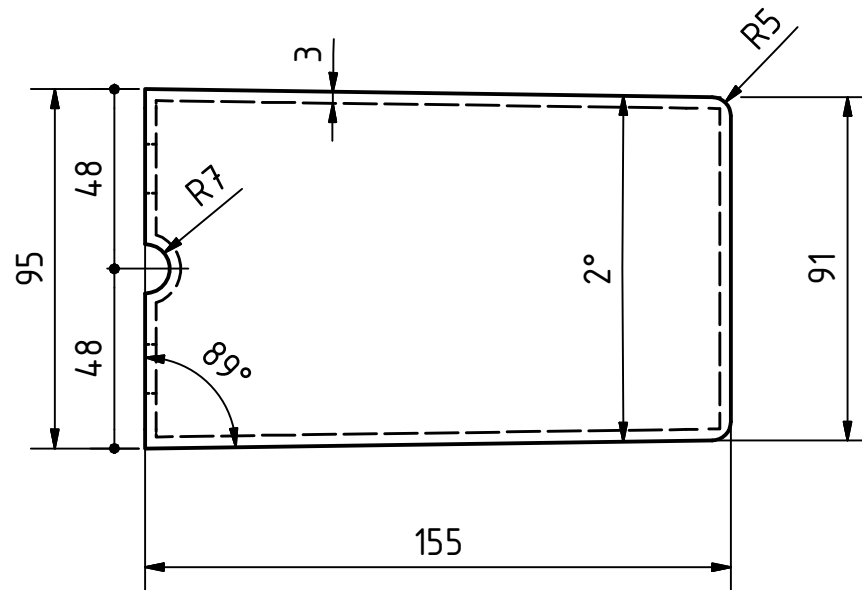
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Mold block	oho_cbm_mold.ipn			5.0
PUBLISHED BY	 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development		DOC. TYPE	QUANTITY
OHO e.V.			Assembly	1
	LICENCE		SCALE	SHEET
	CC-BY-SA 4.0		1:5	60 /119

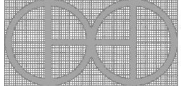


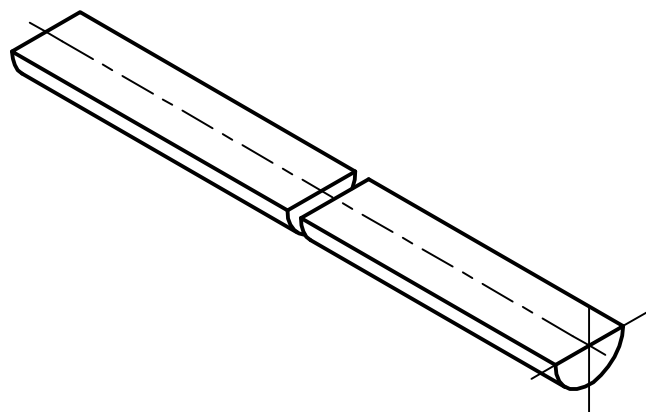
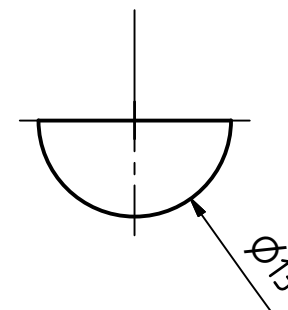
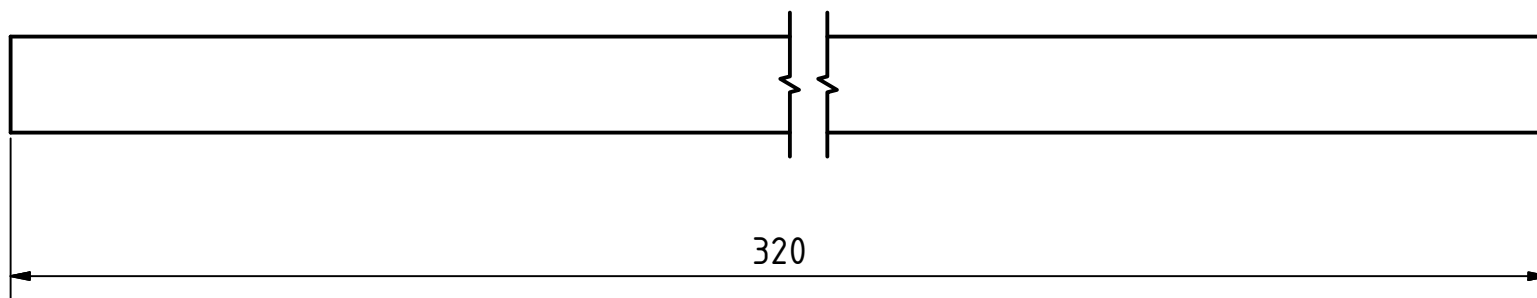
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Sheet metal lateral	oho_cbm_sheet-lateral.ipt			5.1
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	Steel C45	4	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:2	61 /119	

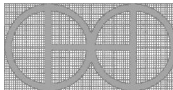


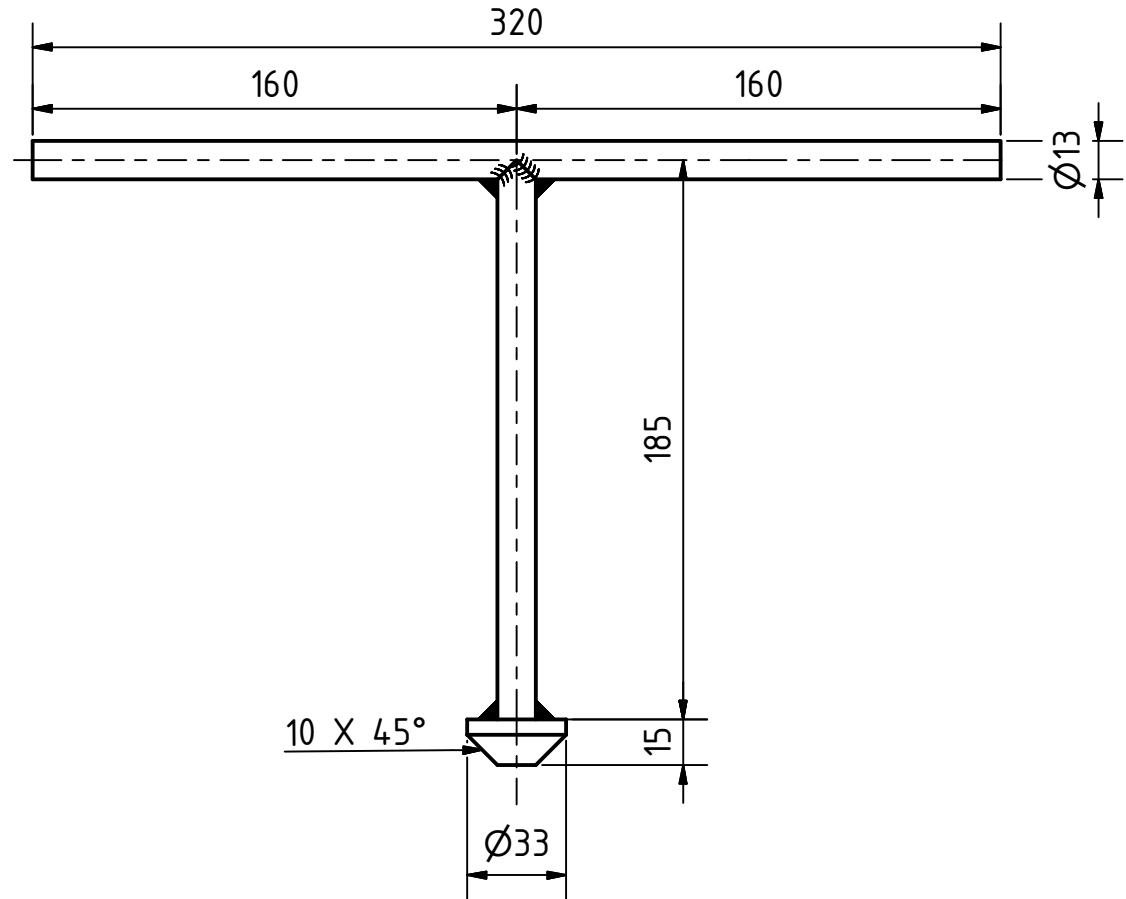
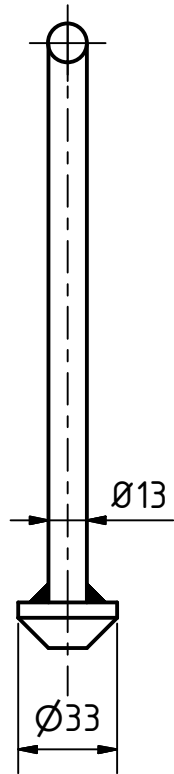
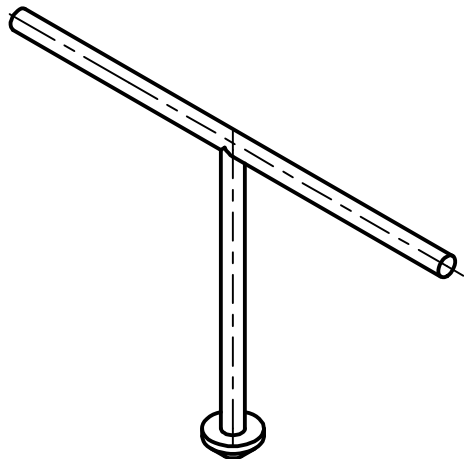
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Sheet metal front	oho_cbm_sheet-front.ipt			5.2
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	Steel C45	2	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:4	62 /119	

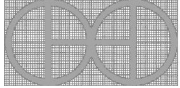


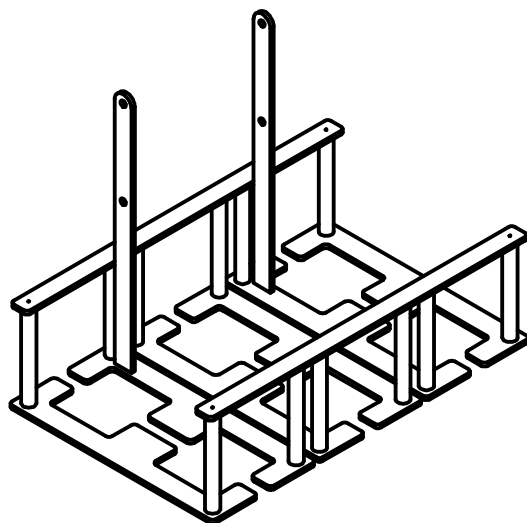
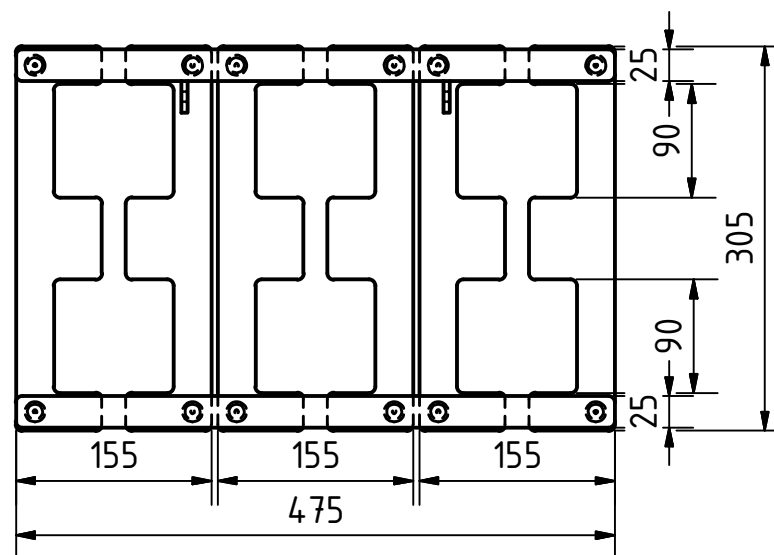
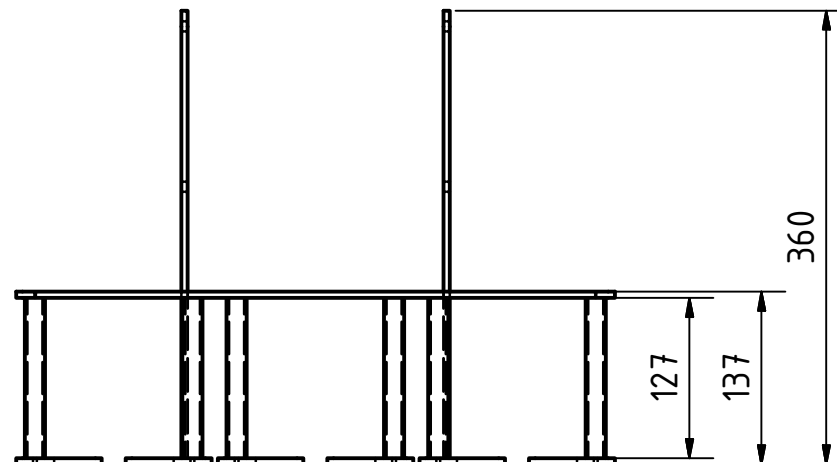
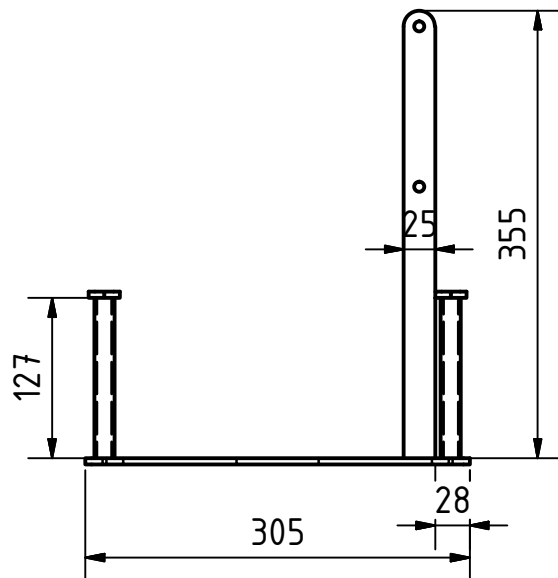
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME	POS		
core	oho_cbm_core.ipt	5.3		
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	Steel C45	3	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:2	63 /119	

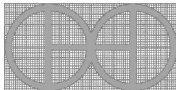


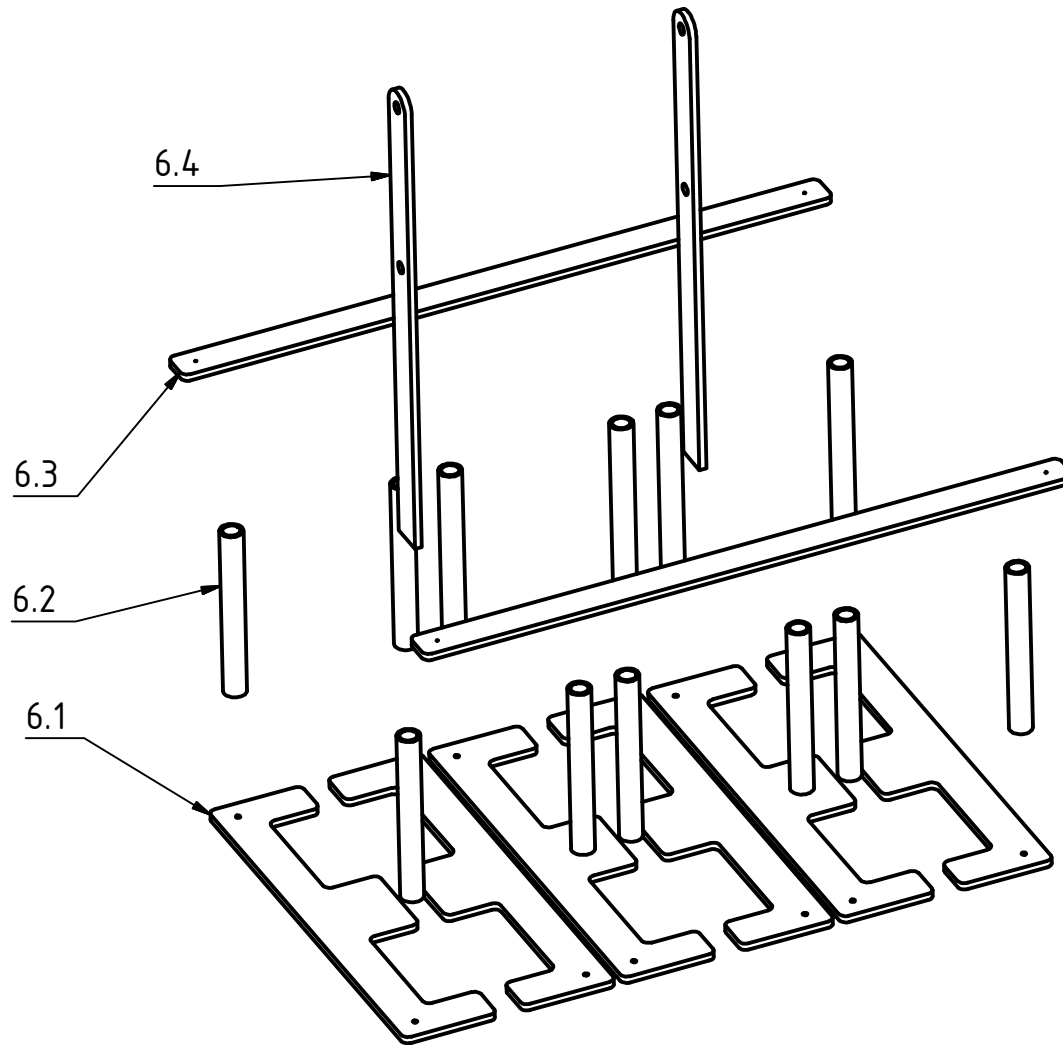
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Core rod	oho_cbm_core-rod.ipt			5.4
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	Steel C45	3	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	2:1	64 /119	

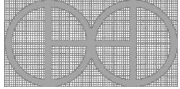


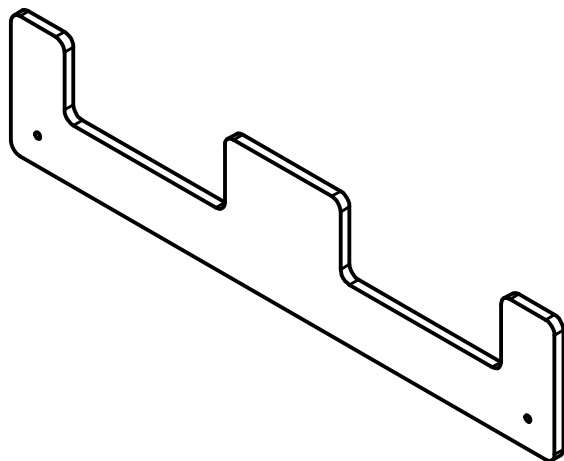
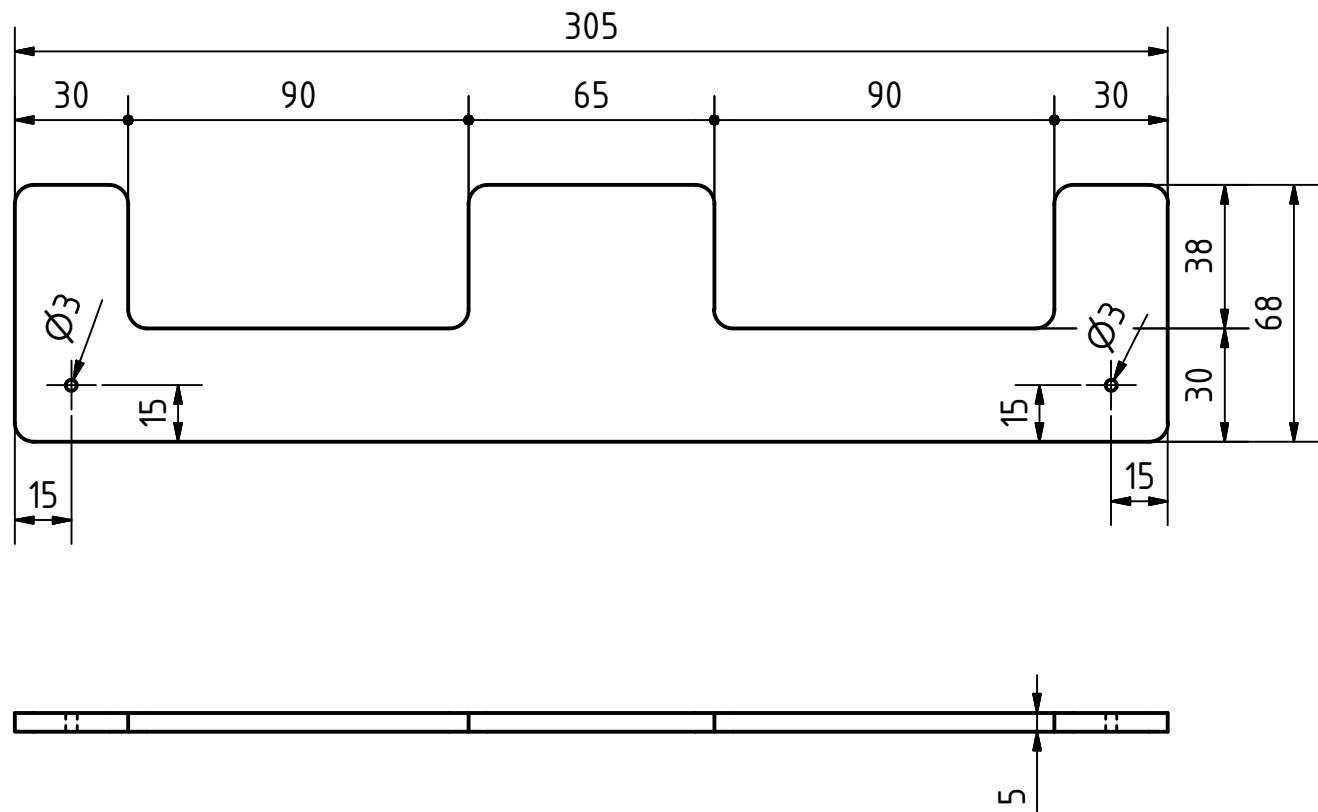
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Clamp rod	oho_cbm_clamp-rod.ipt			5.5
PUBLISHED BY	DOC. TYPE		MATERIAL	QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part		Steel C45	2
	LICENCE		SCALE	SHEET
OHO e.V.	CC-BY-SA 4.0		1:2,5	65 /119

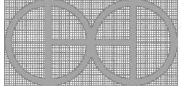


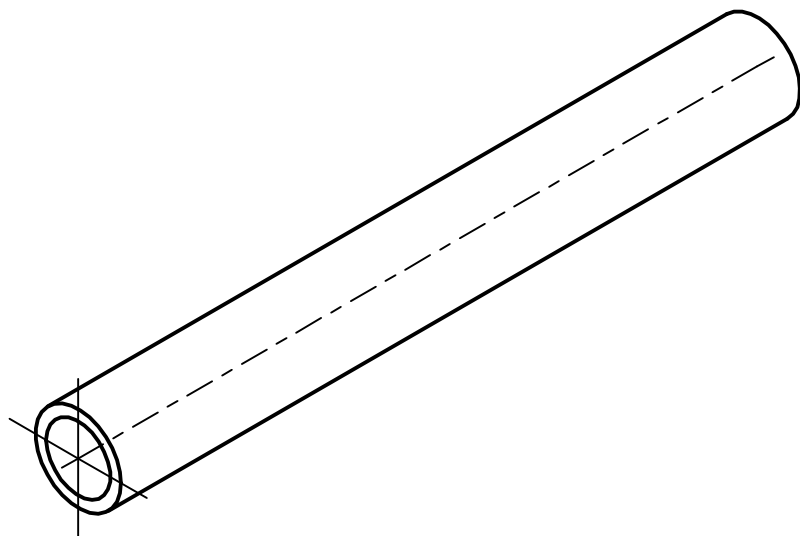
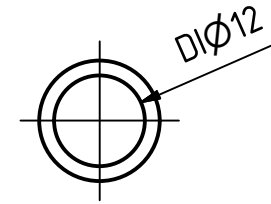
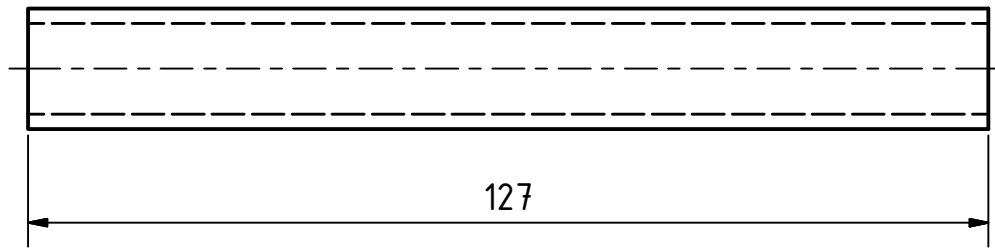
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Ejector	oho_cbm_ejector-plate.iam			6.0
PUBLISHED BY		DOC. TYPE	MATERIAL	QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development		Assembly		1
		LICENCE	SCALE	SHEET
		OHO e.V.	CC-BY-SA 4.0	1:6

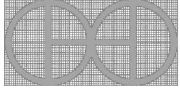


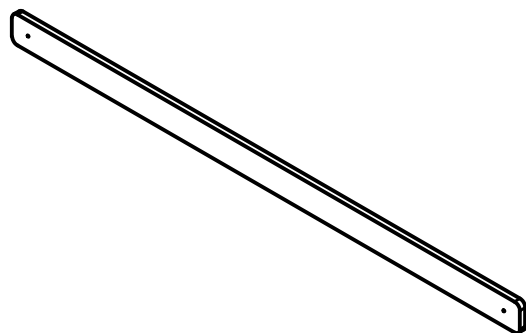
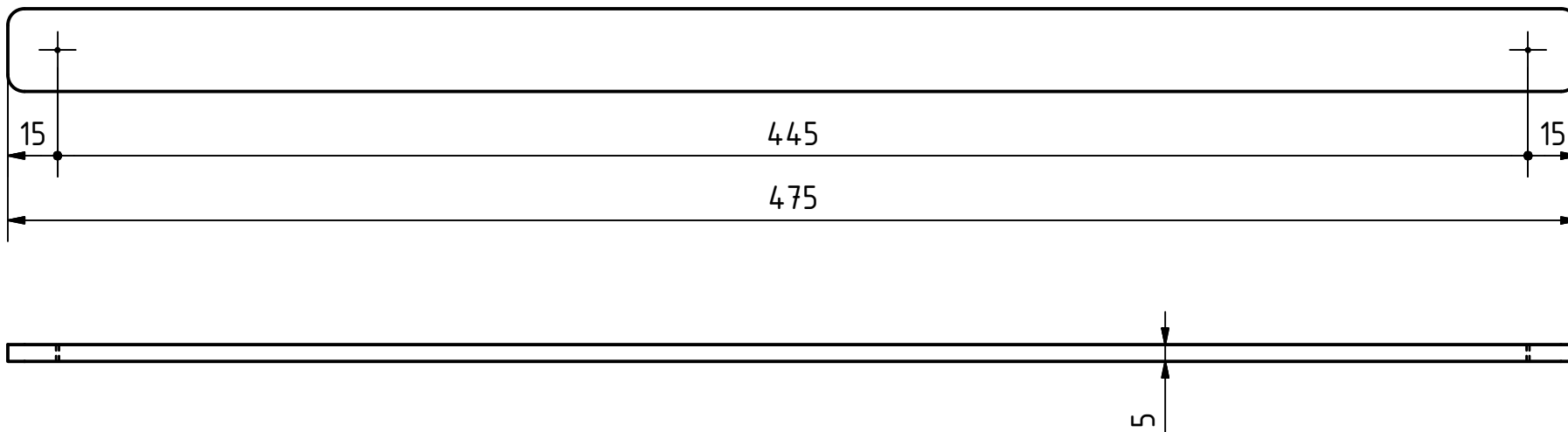
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Ejector	oho_cbm_ejector-plate.ipn			6.0
PUBLISHED BY	DOC. TYPE		MATERIAL	QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development OHO e.V.	Assembly			1
	LICENCE		SCALE	SHEET
	CC-BY-SA 4.0		1:5	67 /119

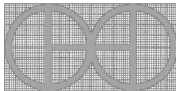


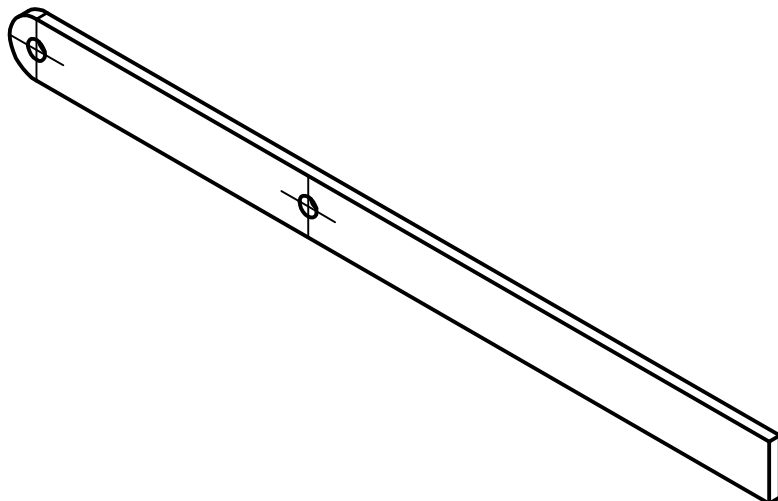
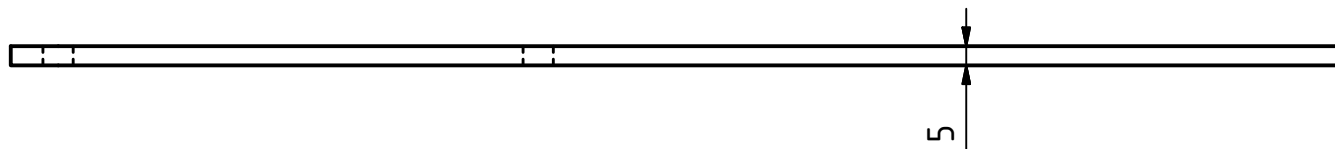
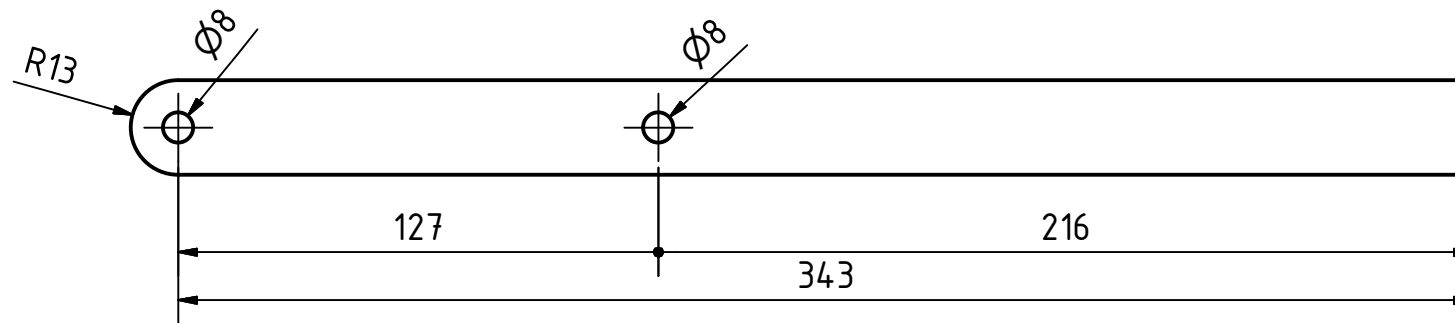
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Plate	oho_cbm_plate.ipt			6.1
PUBLISHED BY	DOC. TYPE		MATERIAL	QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part		Steel C45	6
	LICENCE		SCALE	SHEET
OHO e.V.	CC-BY-SA 4.0		1:2	68 /119

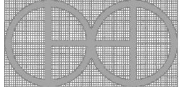


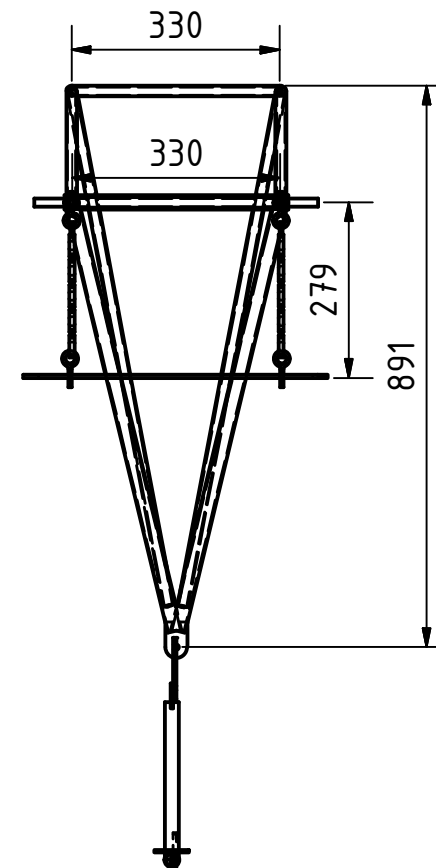
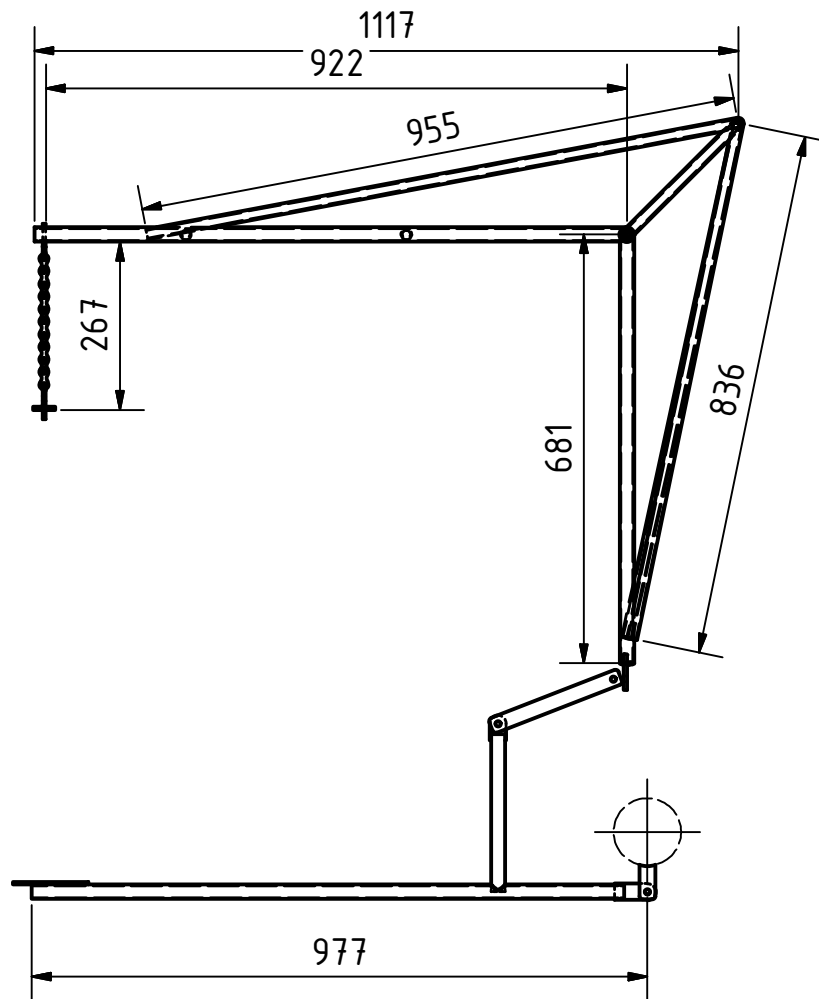
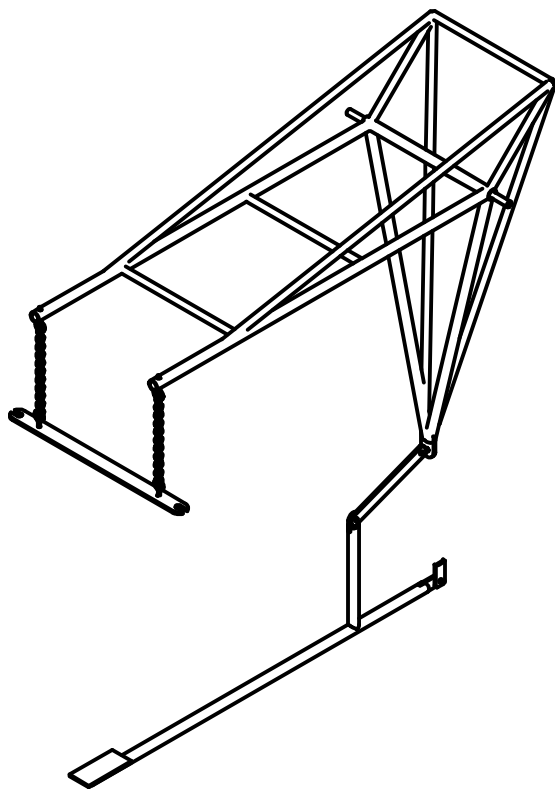
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Tubing	oho_cbm_tubing.ipt			6.2
PUBLISHED BY	DOC. TYPE		MATERIAL	QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part		ASTM A36	12
	LICENCE		SCALE	SHEET
OHO e.V.	CC-BY-SA 4.0		1:1	69 /119

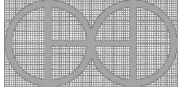


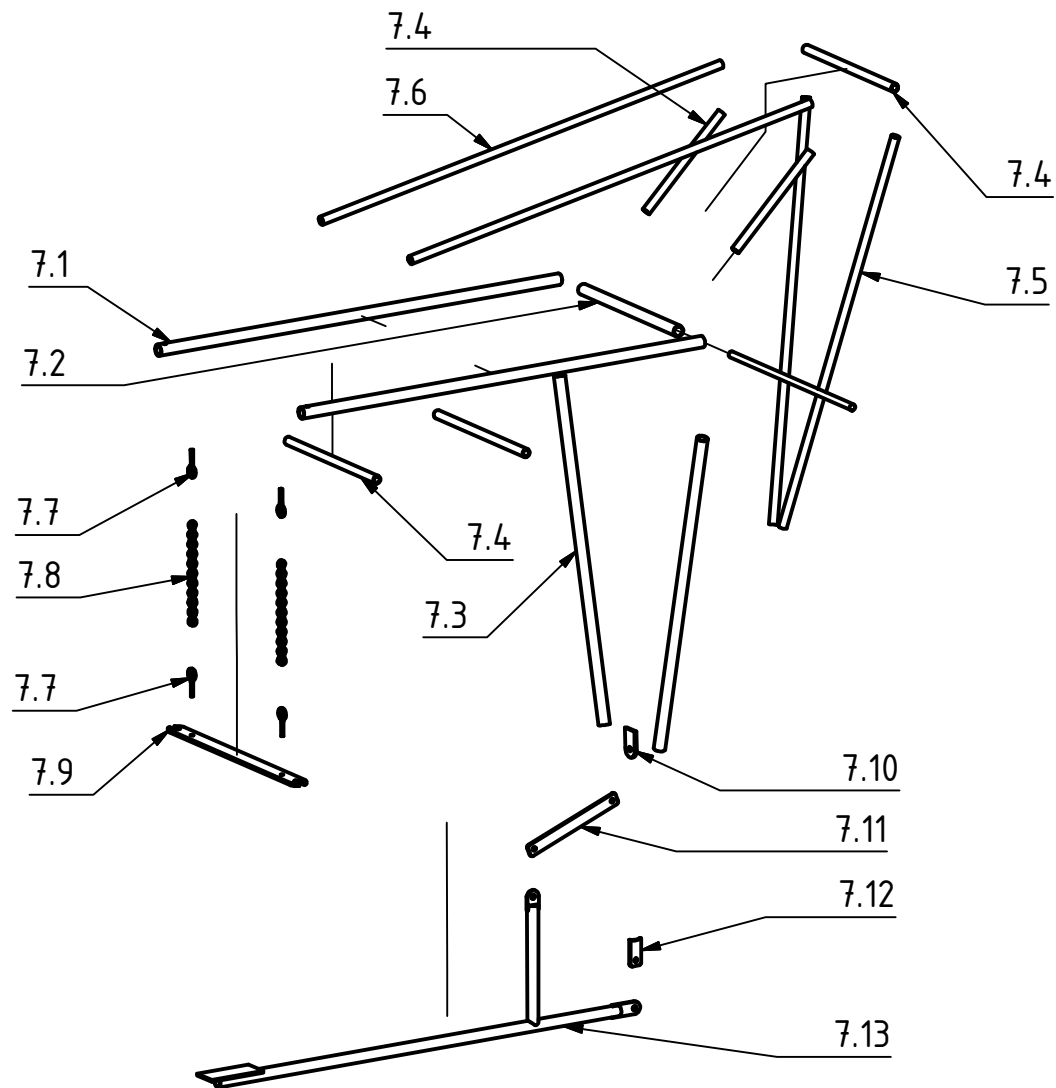
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Plate superior	oho_cbm_plate-superior.ipt			6.3
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	Steel C45	2	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:2	70 /119	

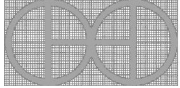


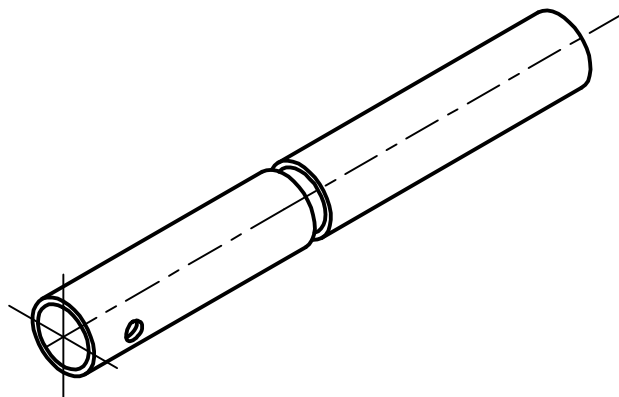
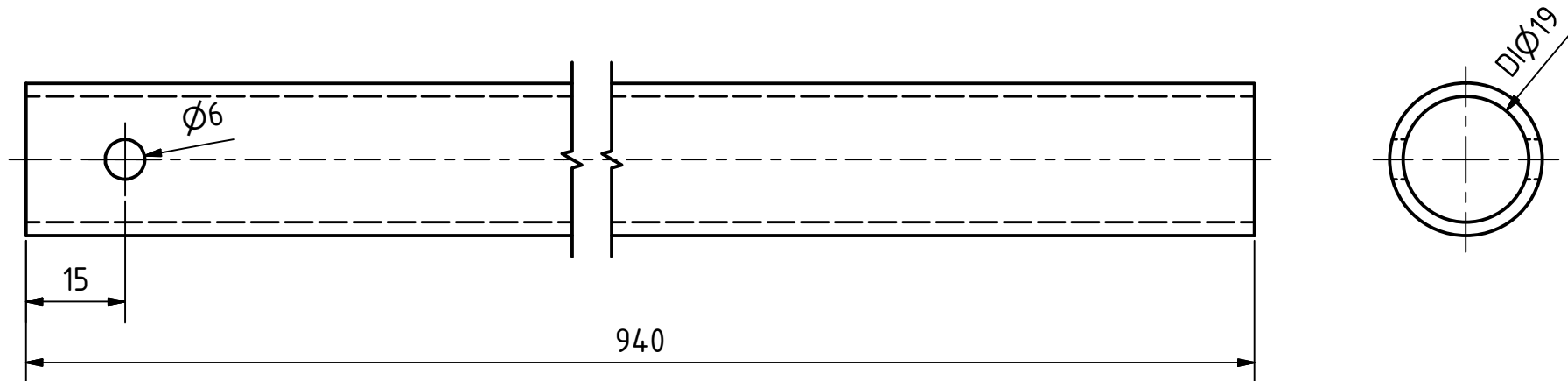
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Plate vertical	oho_cbm_plate-vertical.ipt			6.4
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	Steel C45	2	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:2	71 /119	

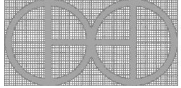


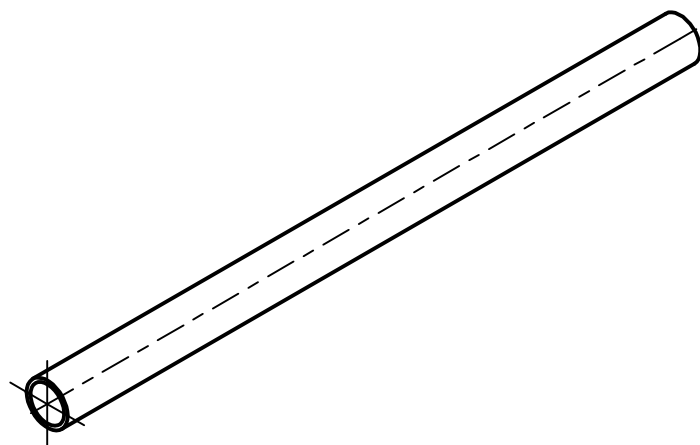
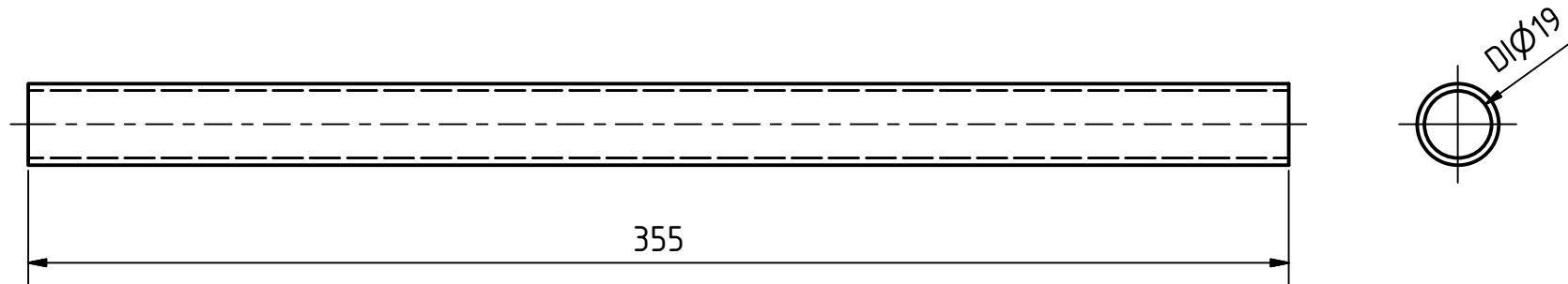
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Frame molde crame	oho_cbm_frame-molde-crane.iam			7.0
PUBLISHED BY	DOC. TYPE		MATERIAL	QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Assembly			1
	LICENCE		SCALE	SHEET
OHO e.V.	CC-BY-SA 4.0		1:10	72 /119

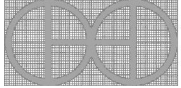


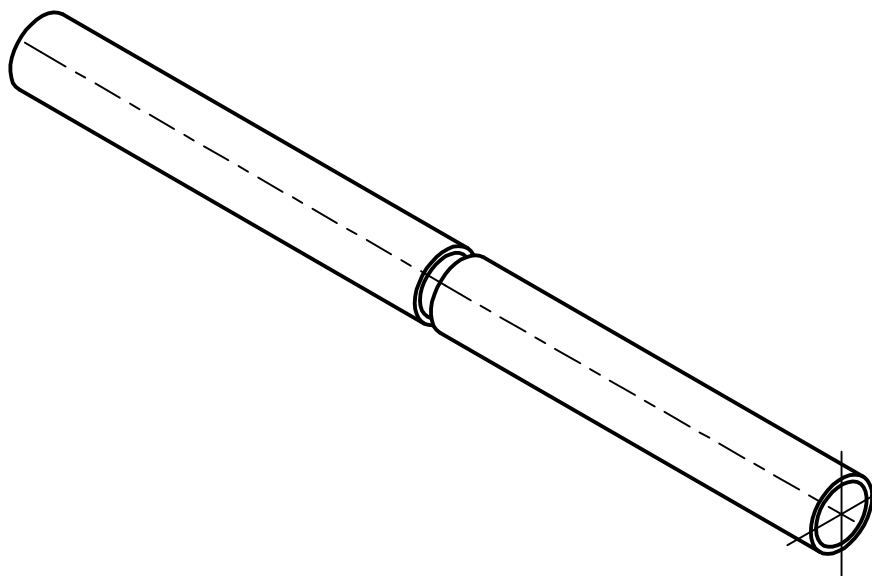
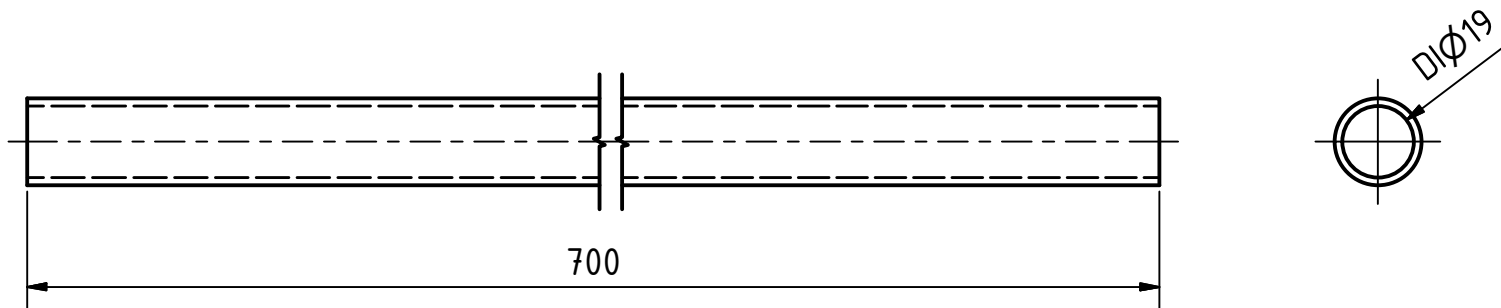
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Frame molde crane	oho_cbm_frame-molde-crane.ipn			7.0
PUBLISHED BY	DOC. TYPE		MATERIAL	QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Assembly			1
	LICENCE		SCALE	SHEET
OHO e.V.	CC-BY-SA 4.0		1:12	73 /119

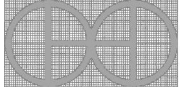


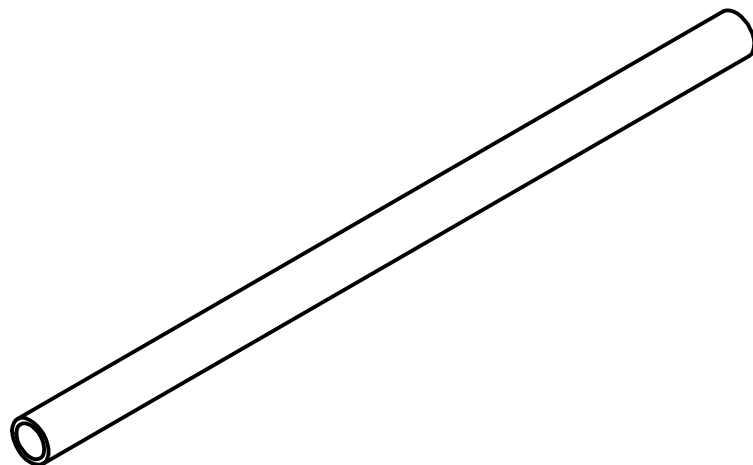
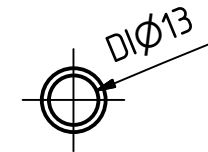
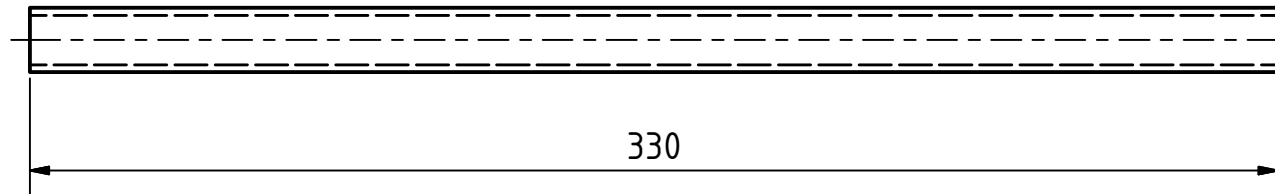
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Pipe lateral	oho_cbm_pipe-lateral.ipt			7.1
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	ASTM A36	2	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:2	74 /119	

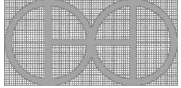


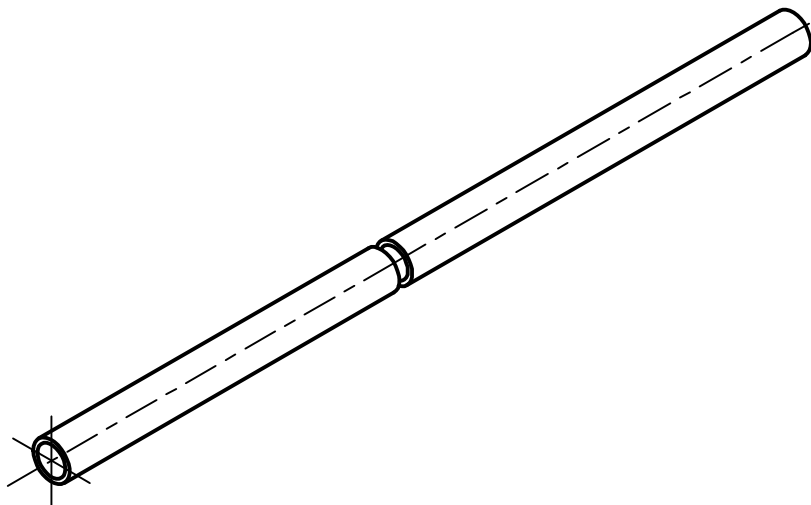
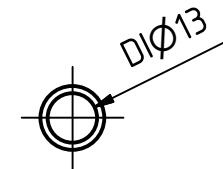
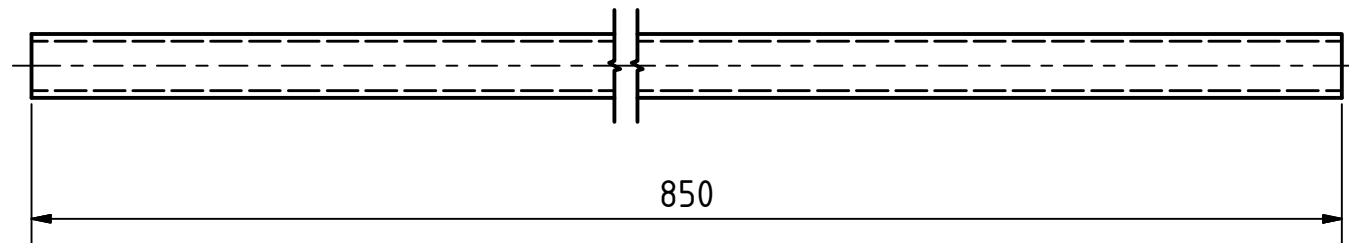
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Pipe transversal	oho_cbm_pipe-transv.ipt			7.2
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	Steel C45	1	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:2	75 /119	

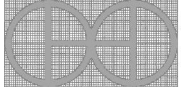


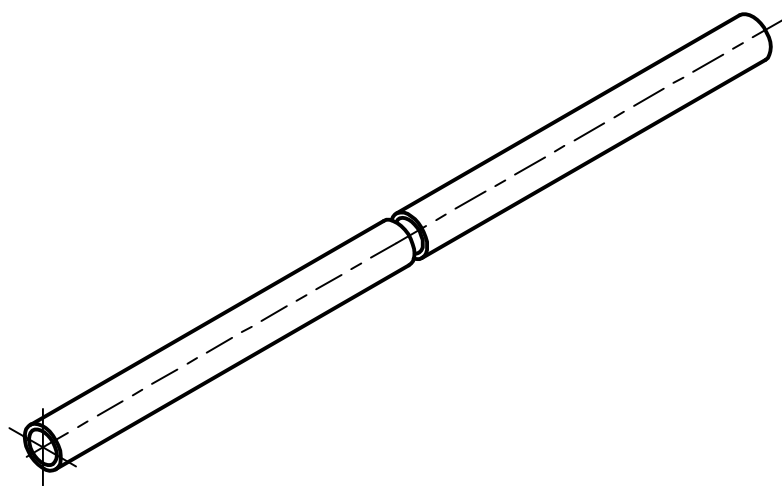
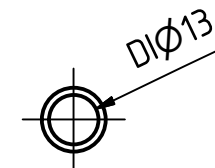
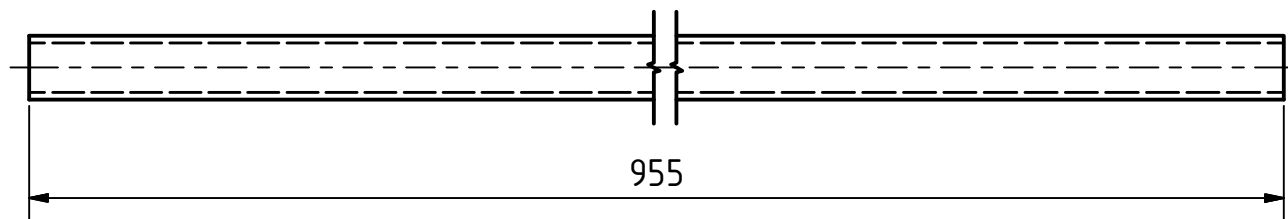
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Pipe vertical	oho_cbm_pipe-vertical.ipt			7.3
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	Steel C45	2	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:2	76 /119	

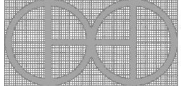


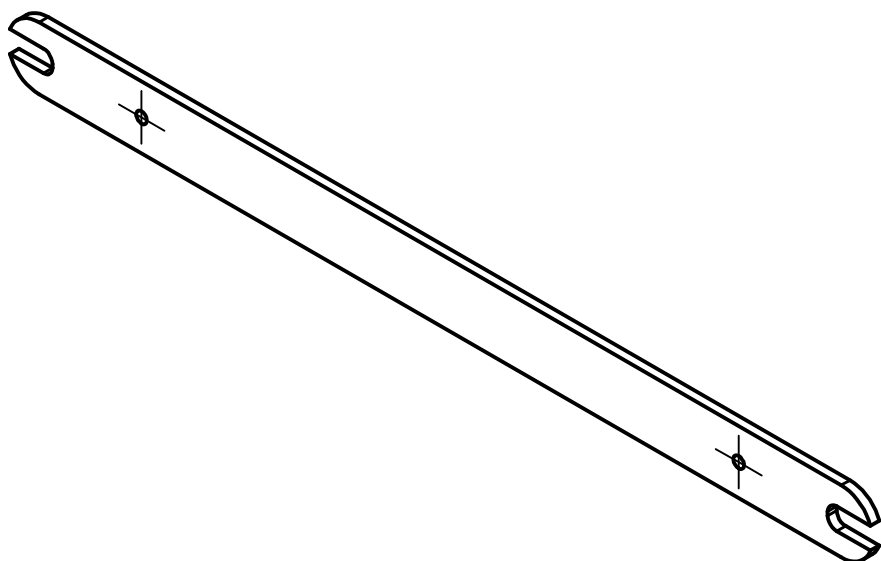
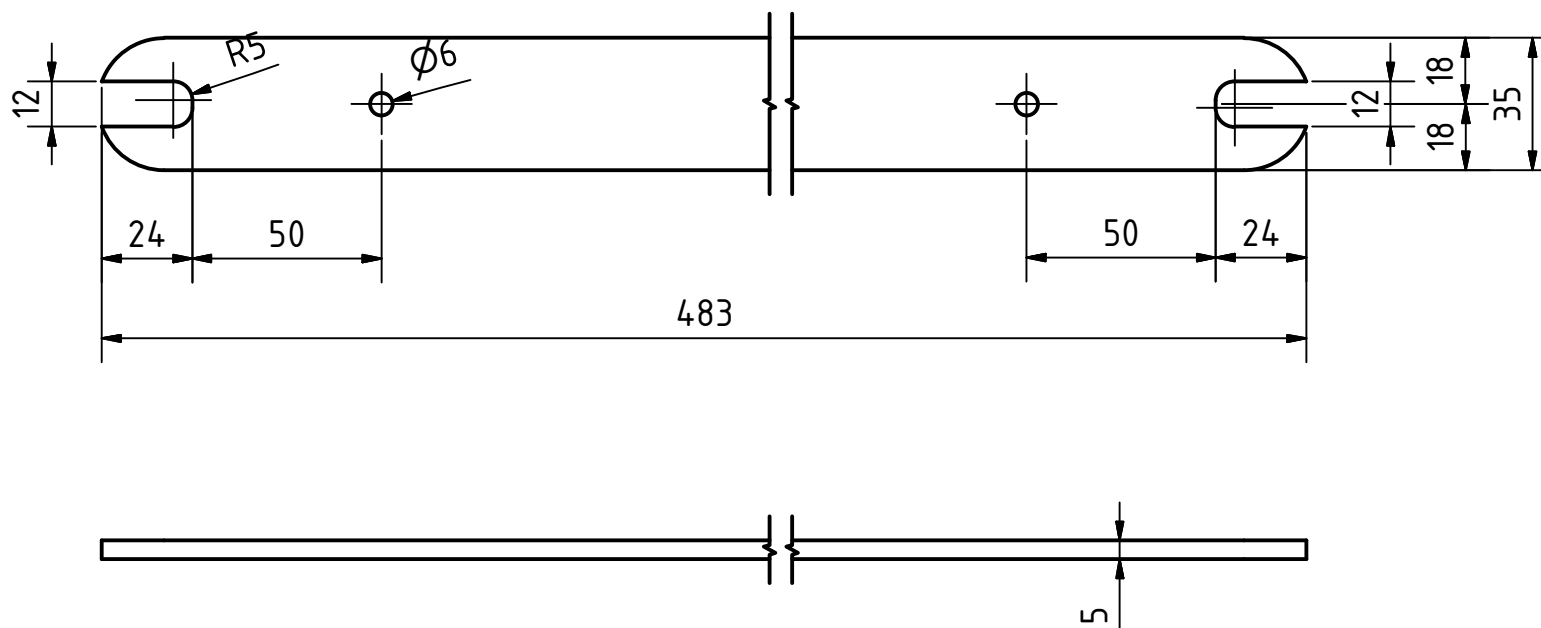
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Pipe transv ligero	oho_cbm_pipe-transv2do.ipt			7.4
PUBLISHED BY	DOC. TYPE		MATERIAL	QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part		Steel C45	5
	LICENCE		SCALE	SHEET
OHO e.V.	CC-BY-SA 4.0		1:2	77 /119

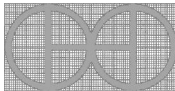


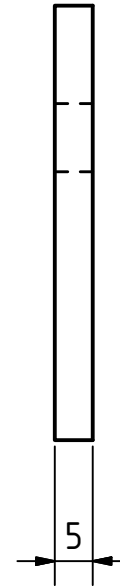
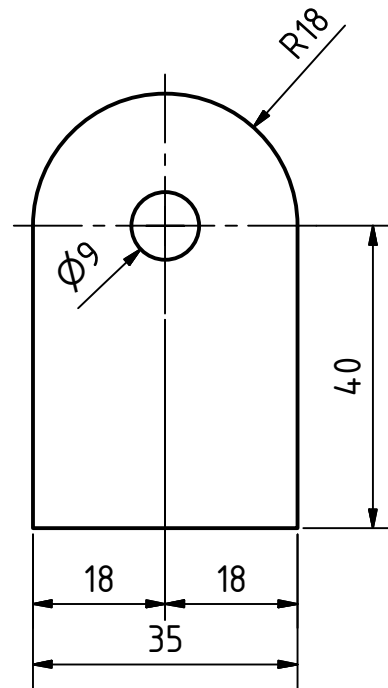
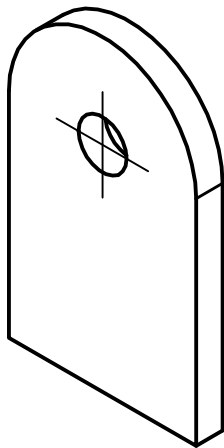
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Pipe vertical lighth	oho_cbm_pipe-vertical2do.ipt			7.5
PUBLISHED BY	DOC. TYPE		MATERIAL	QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part		Steel C45	2
	LICENCE		SCALE	SHEET
OHO e.V.	CC-BY-SA 4.0		1:2	78 /119

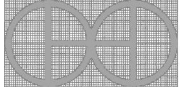


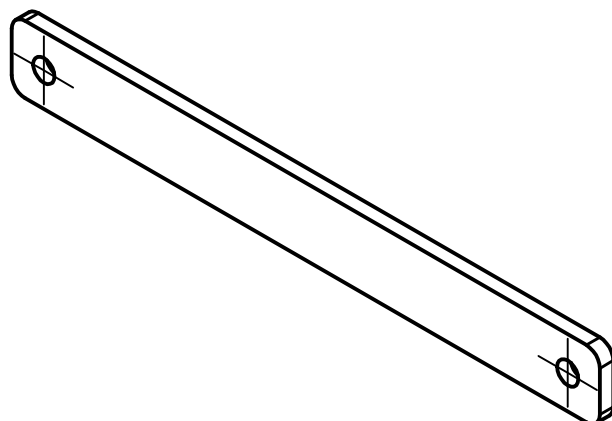
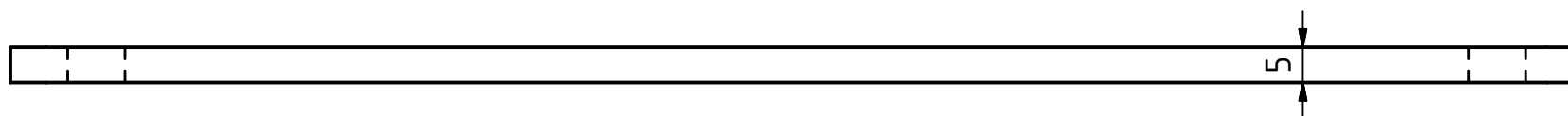
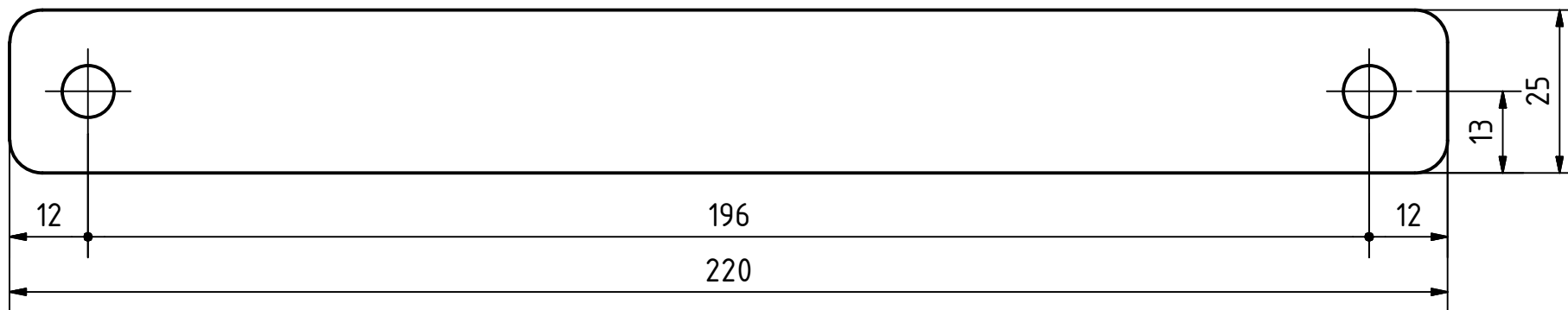
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Pipe lateral ligth	oho_cbm_pipe-lateral2do.ipt			7.6
PUBLISHED BY	DOC. TYPE		MATERIAL	QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part		Steel C45	2
	LICENCE		SCALE	SHEET
OHO e.V.	CC-BY-SA 4.0			79 /119

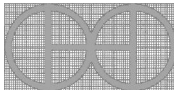


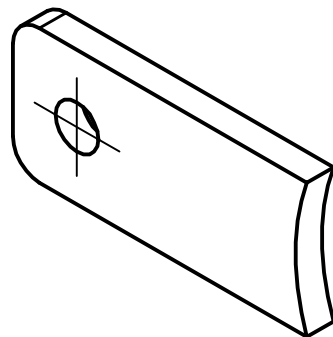
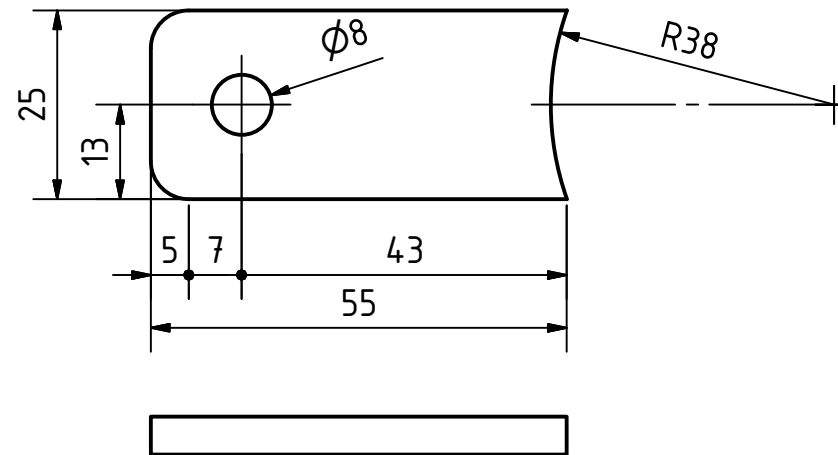
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Crane plate	oho_cbm_crane-plate.ipt			7.9
PUBLISHED BY	DOC. TYPE		MATERIAL	QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part		Steel 45	1
	LICENCE		SCALE	SHEET
OHO e.V.	CC-BY-SA 4.0		1:2	80 /119

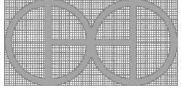


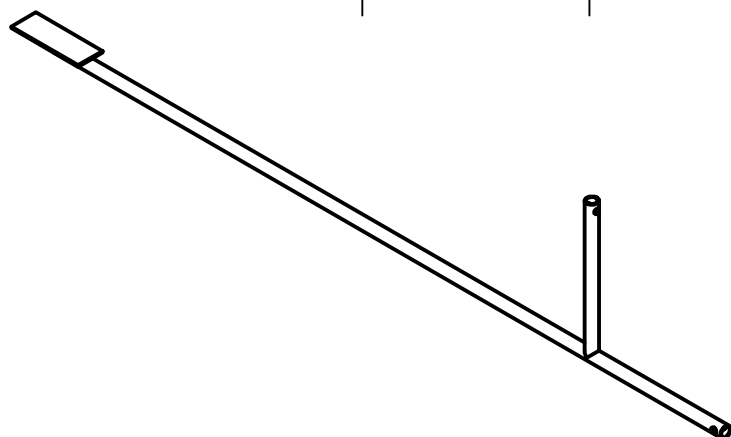
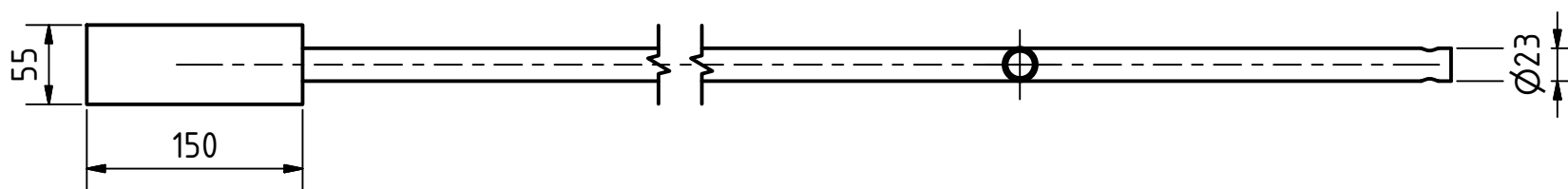
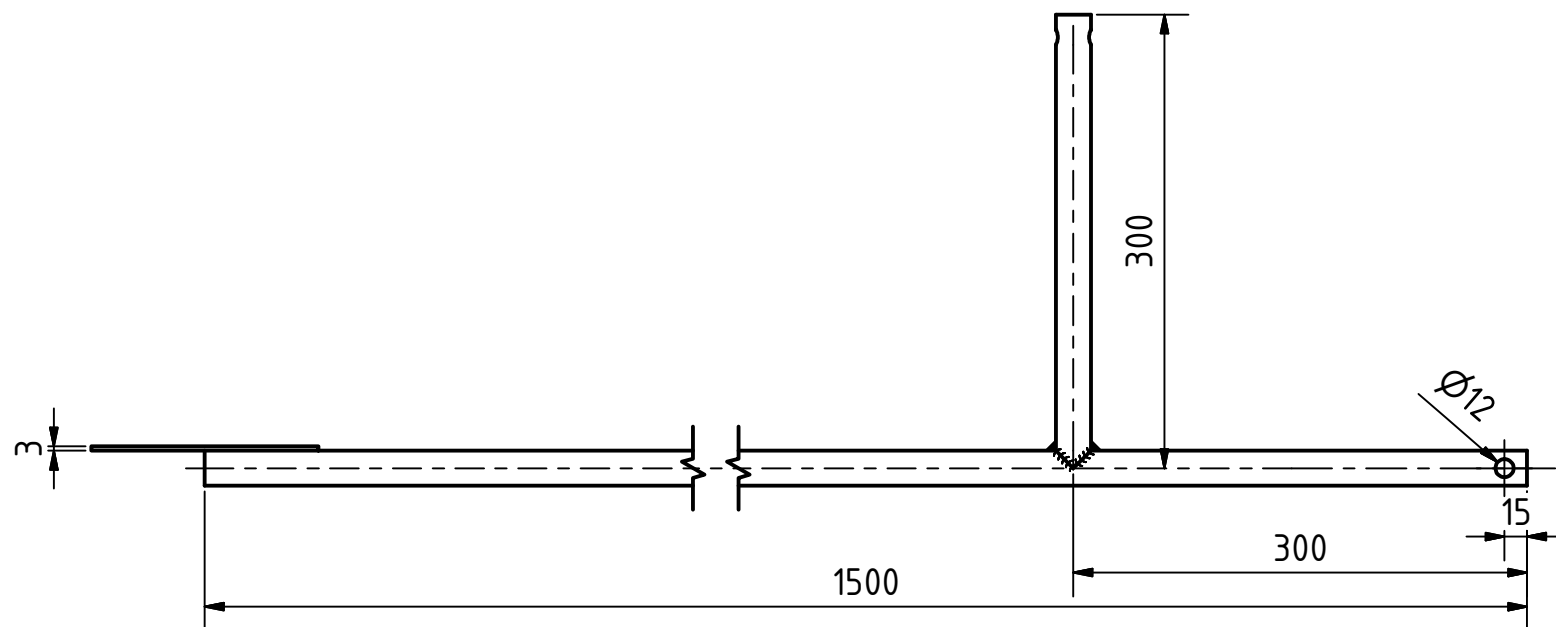
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Crane vertex	oho_cbm_crane-vertex.ipt			7.10
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	Steel 45	1	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:1	81 /119	

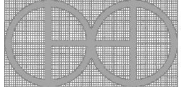


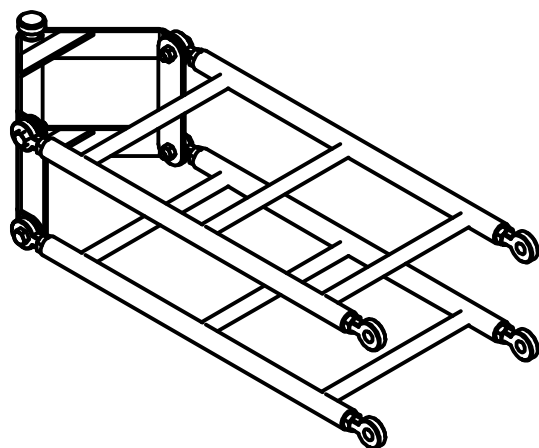
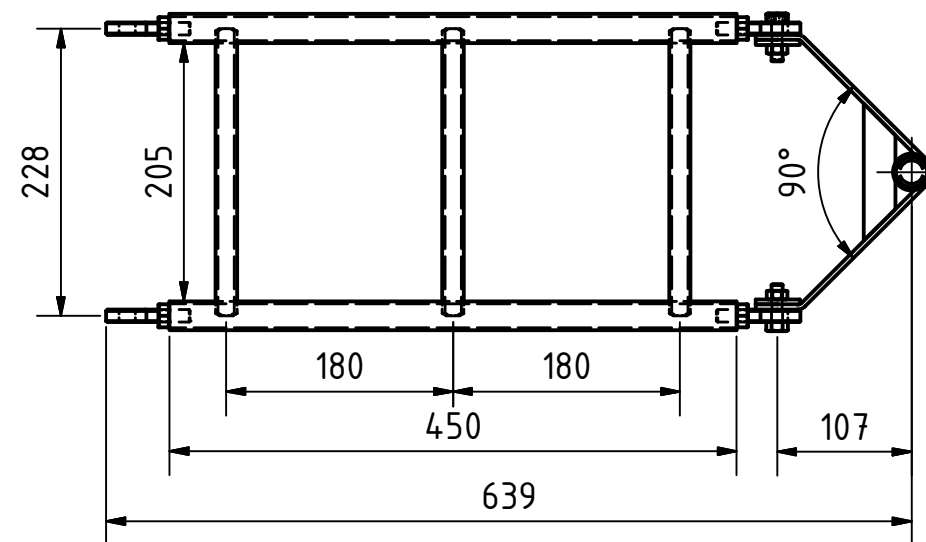
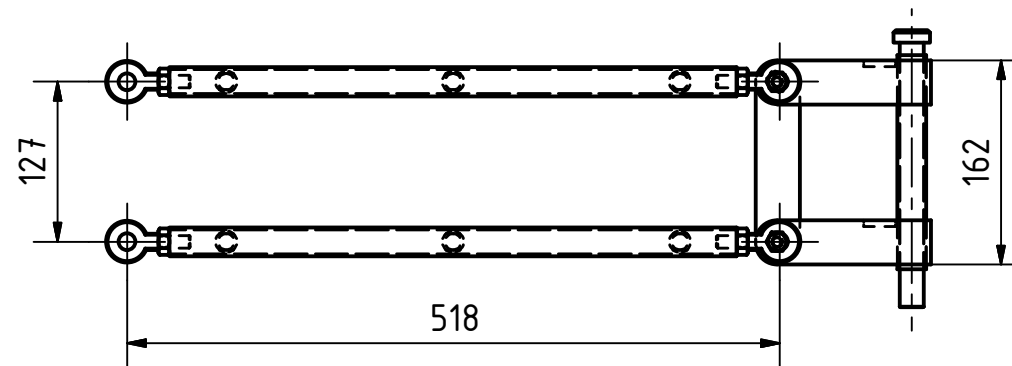
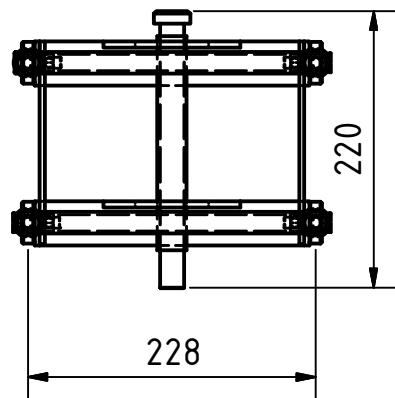
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Action plate	oho_cbm_action-plate.ipt			7.11
PUBLISHED BY	DOC. TYPE		MATERIAL	QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part		Steel 45	1
	LICENCE		SCALE	SHEET
OHO e.V.	CC-BY-SA 4.0		1:1	82 /119

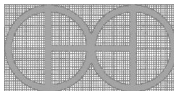


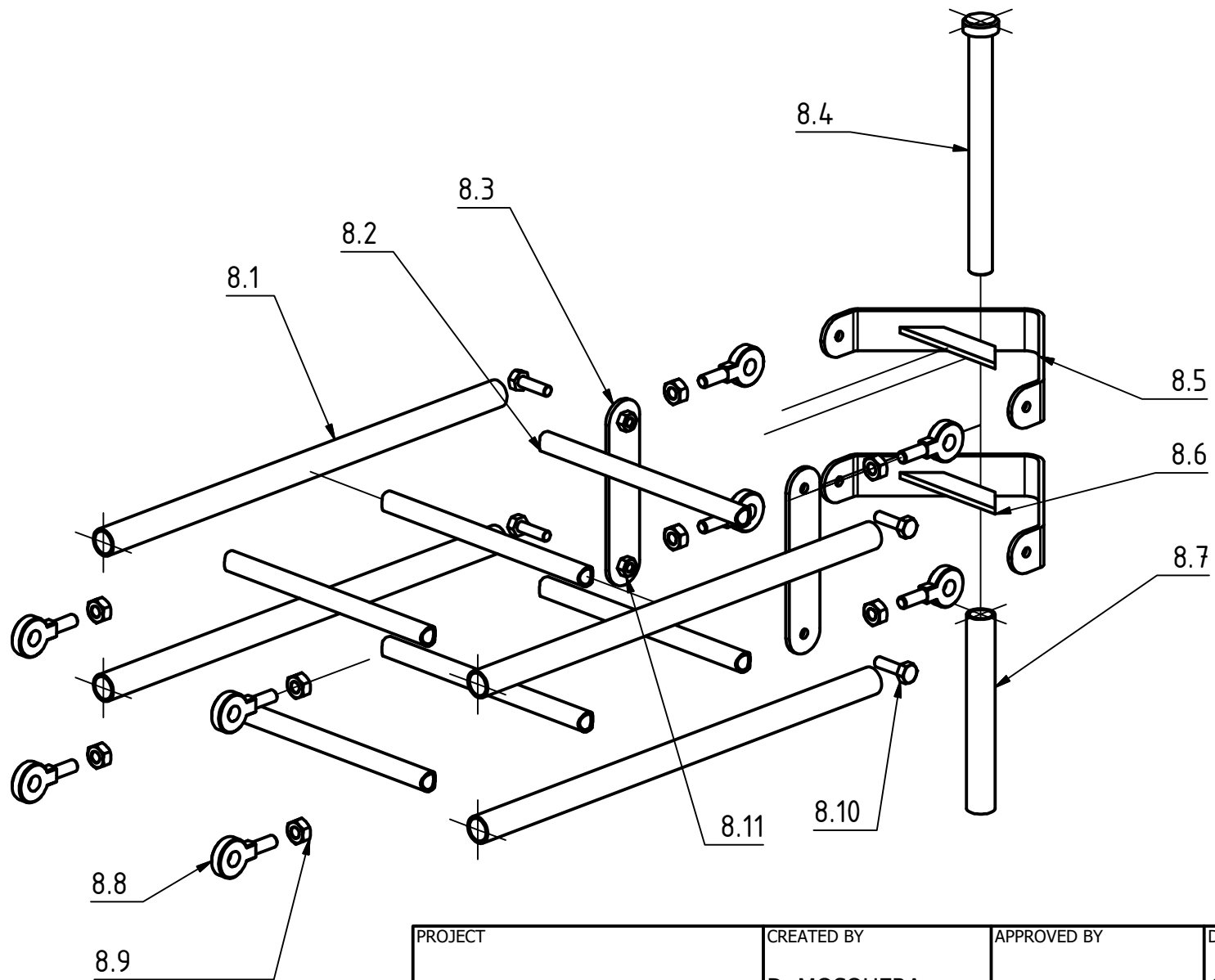
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Pivote pedal	oho_cbm_pivote-pedal.ipt			7.12
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	Steel 45	2	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:1	83 /119	

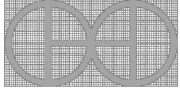


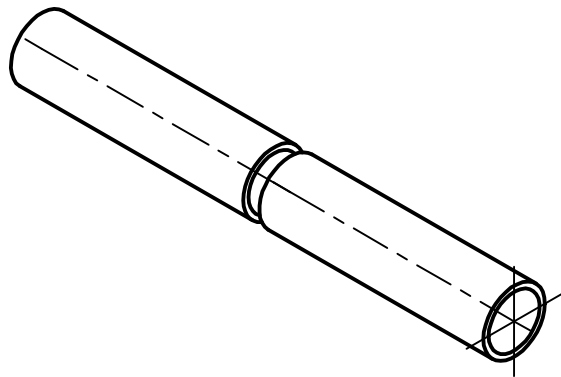
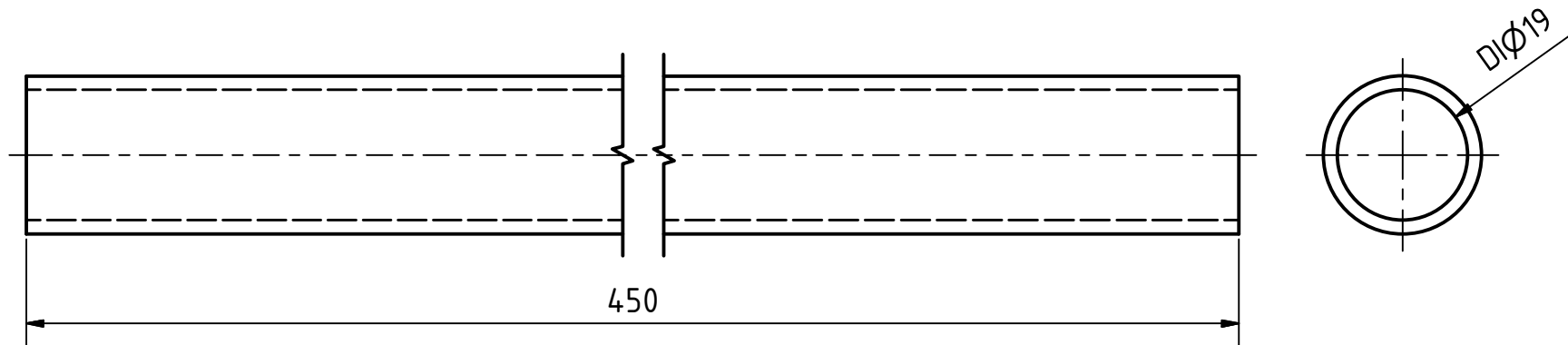
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Pedal lifts	oho_cbm_pedal-lifts.ipt			7.13
PUBLISHED BY	DOC. TYPE		MATERIAL	QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part		Steel 45	1
	LICENCE		SCALE	SHEET
OHO e.V.	CC-BY-SA 4.0		1:2	84 /119

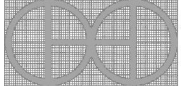


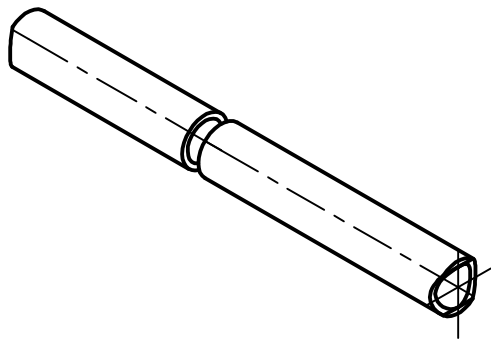
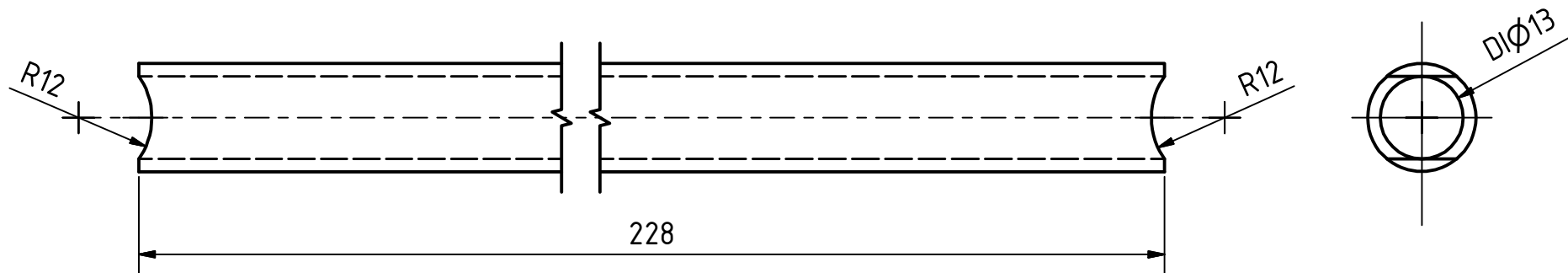
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Ejector crane	oho_cbm_ejector-crane.iam			8.0
PUBLISHED BY	DOC. TYPE		MATERIAL	QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Assembly			1
	LICENCE		SCALE	SHEET
OHO e.V.	CC-BY-SA 4.0		1:8	85 /119

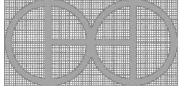


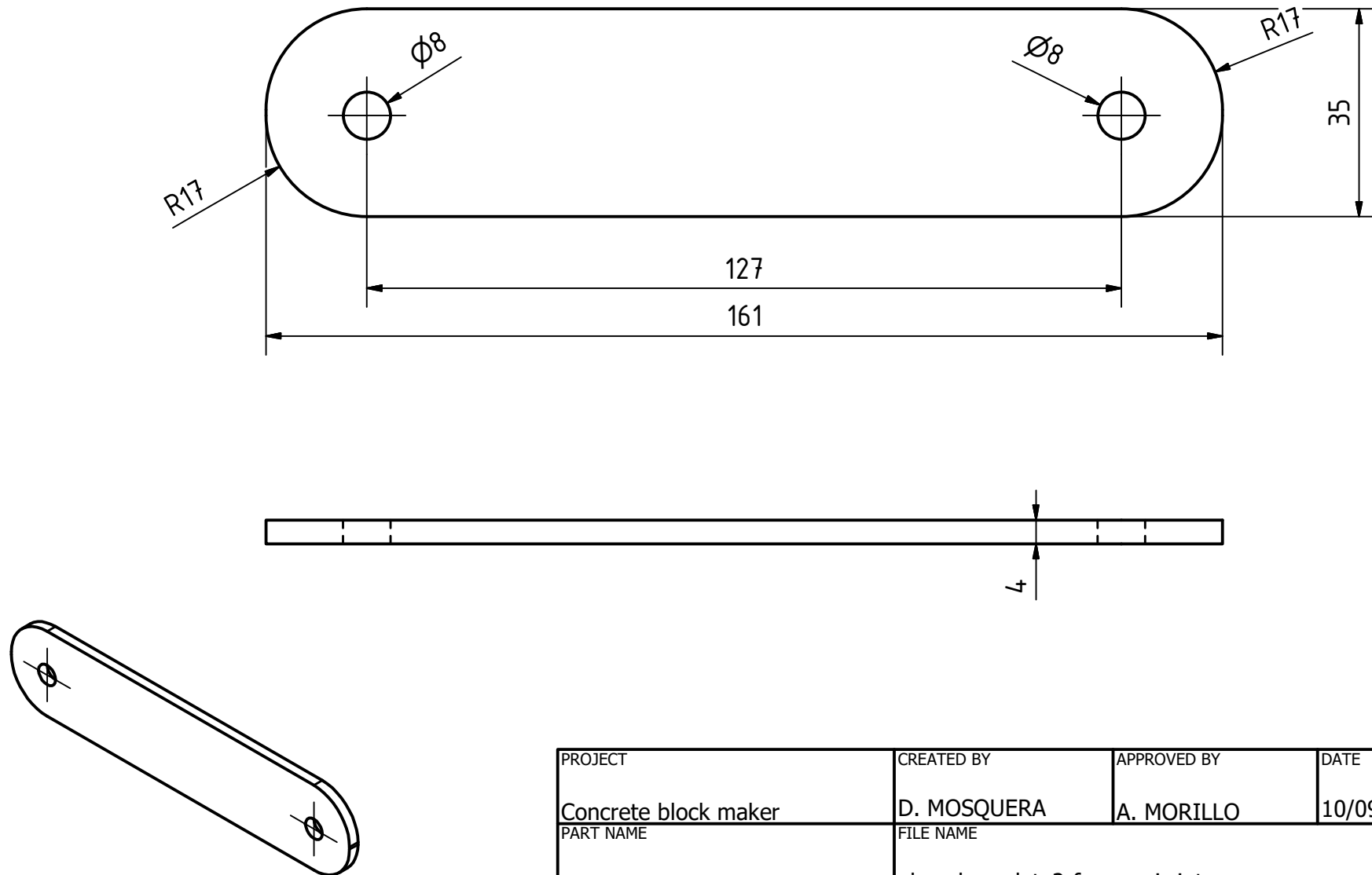
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Ejector crane	oho_cbm_ejector-crane.ipn			8.0
PUBLISHED BY	DOC. TYPE		MATERIAL	QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Assembly			1
	LICENCE		SCALE	SHEET
OHO e.V.	CC-BY-SA 4.0		1:2	86 /119

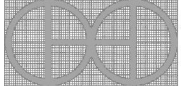


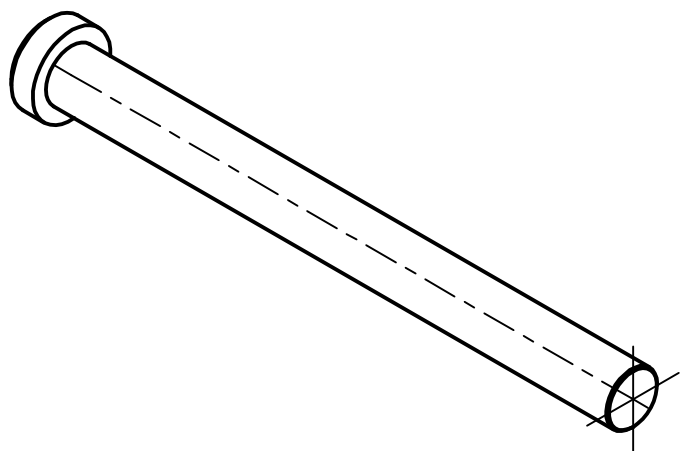
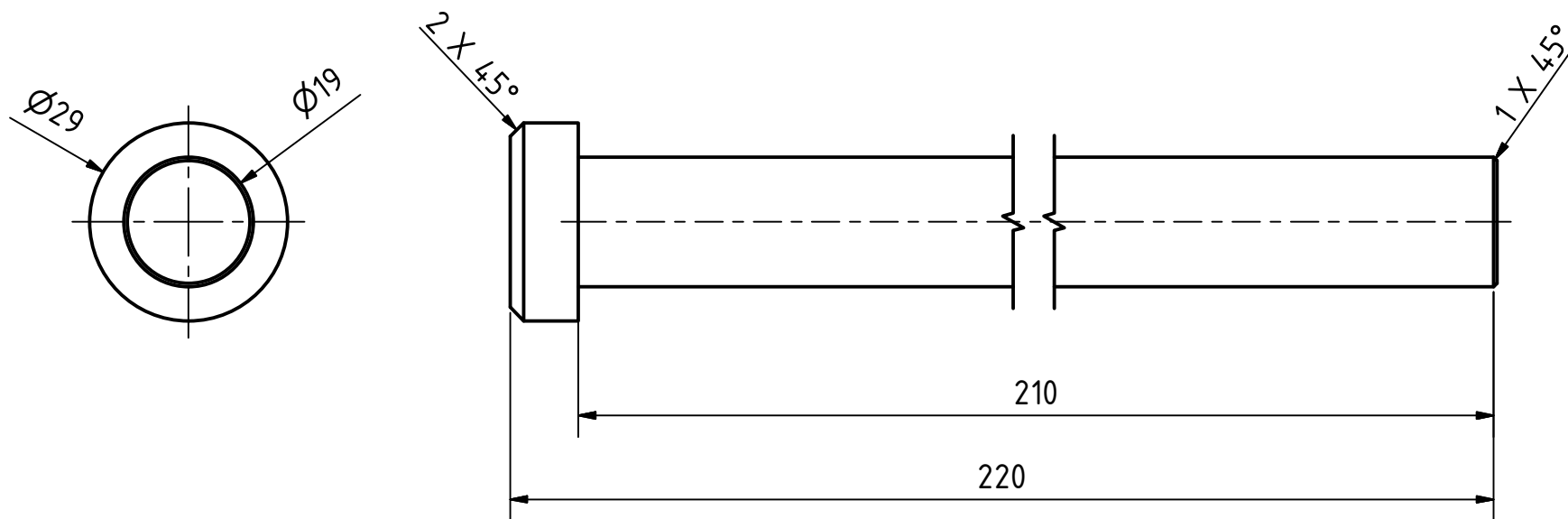
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Pipe lateral	oho_cbm_pipe-lateral.ipt			8.1
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	ASTM A36	4	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:1	87 /119	

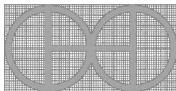


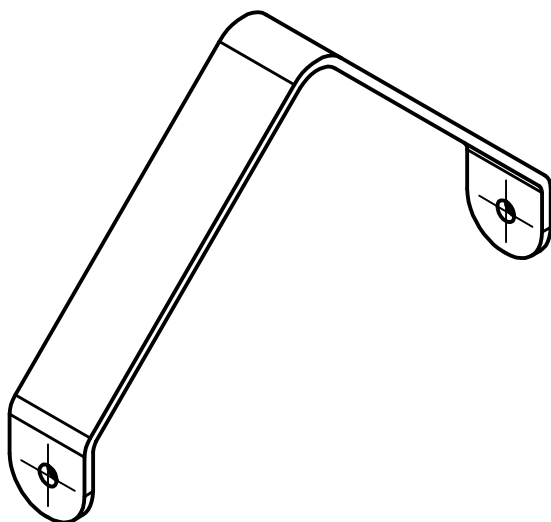
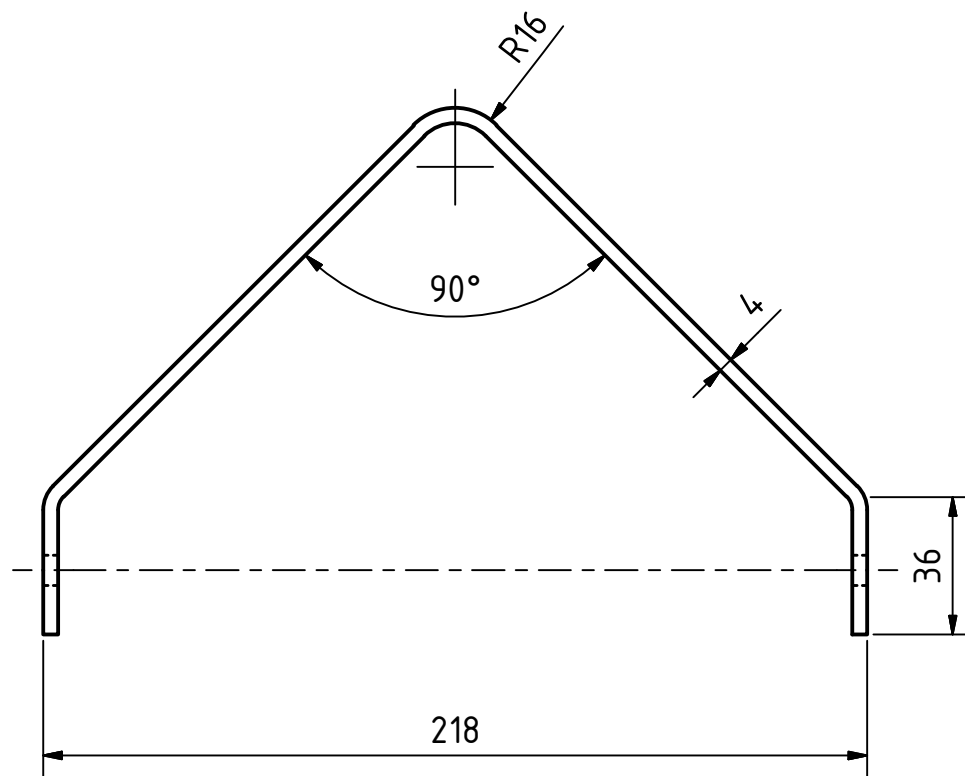
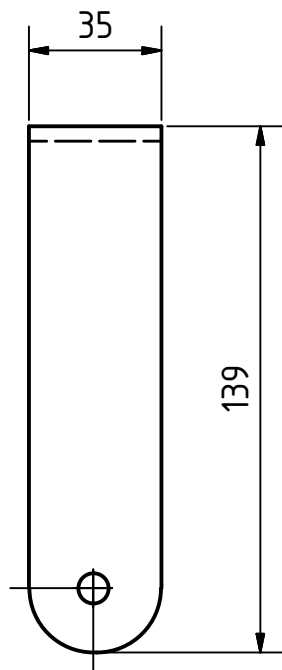
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Pipe transv2do	oho_cbm_pipe-transv2do.ipt			8.2
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	ASTM A36	6	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:1	88 /119	

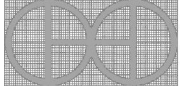


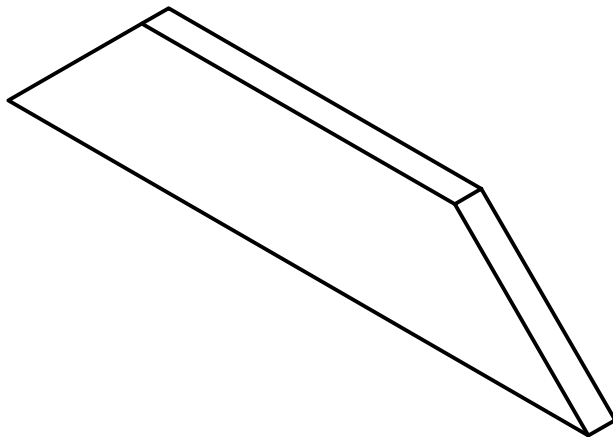
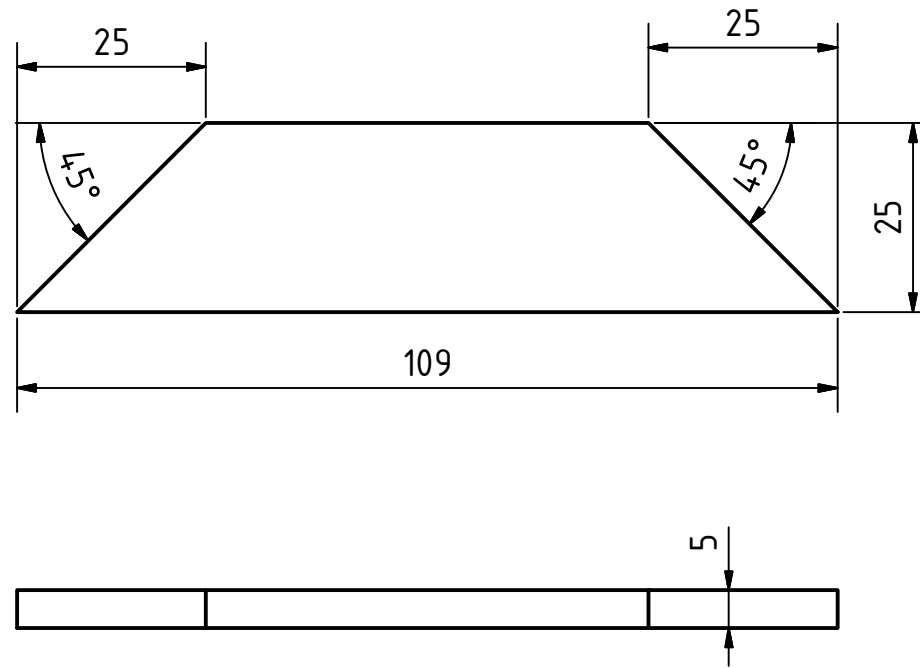
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Plate2 force axis	oho_cbm_plate2-force-axis.ipt			8.3
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	Steel C45	2	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:1	89 /119	

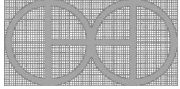


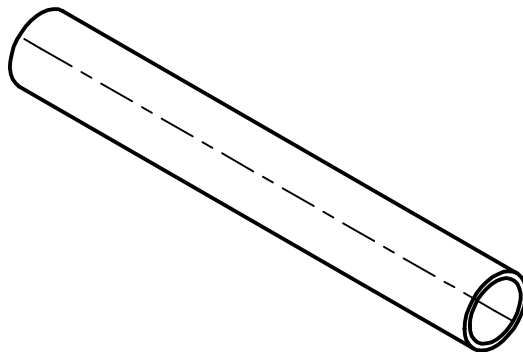
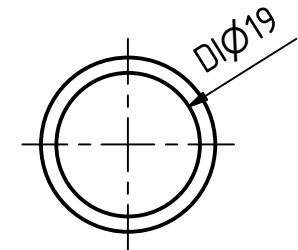
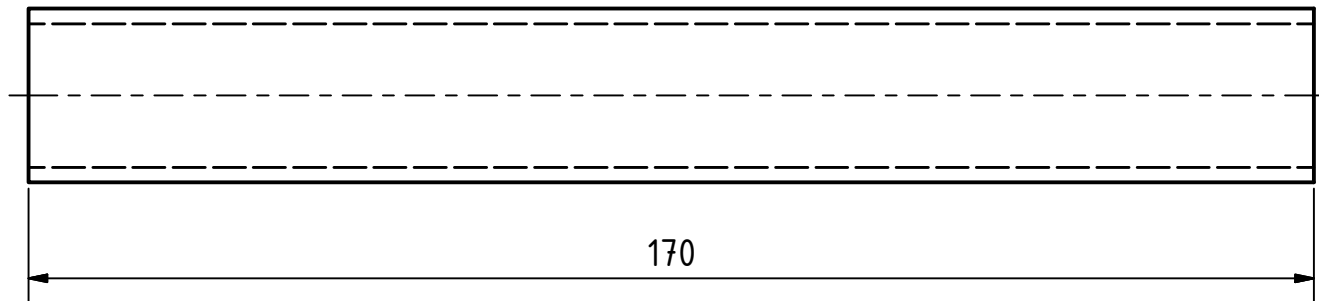
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Axis vertical	oho_cbm_axis-vertical.ipt			8.4
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	Steel C45	1	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:1	90 /119	

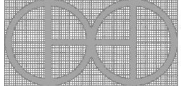


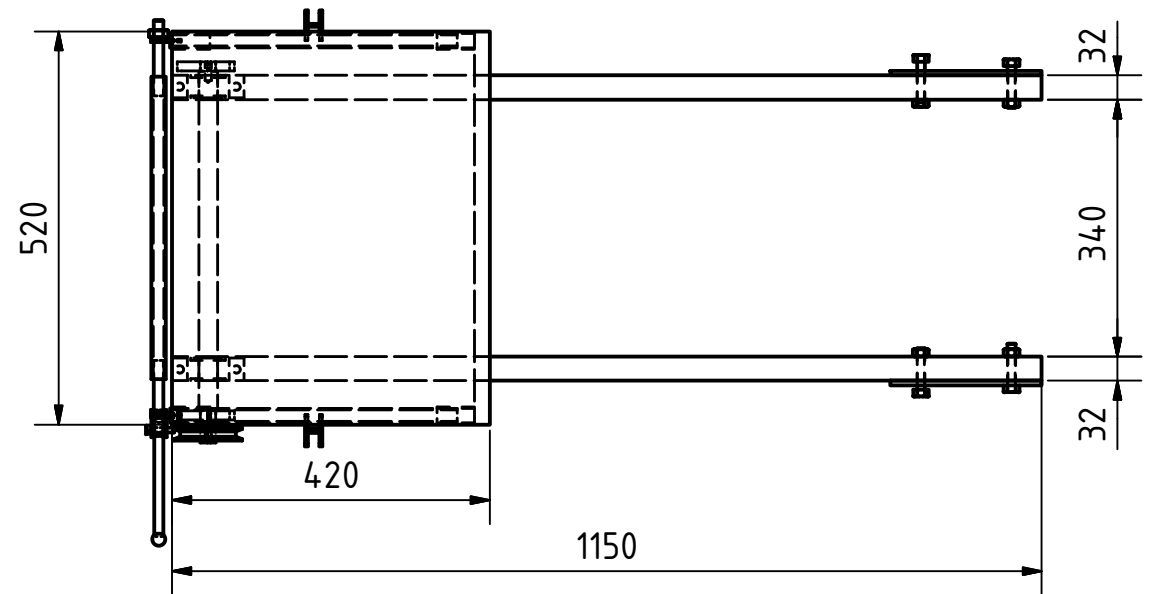
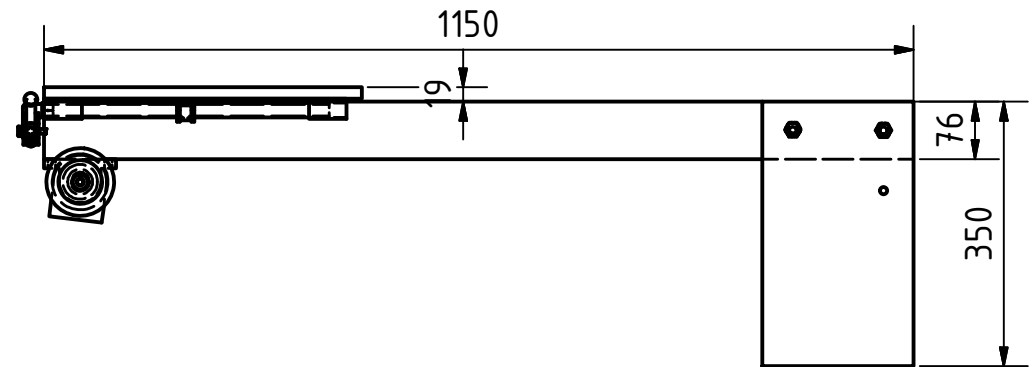
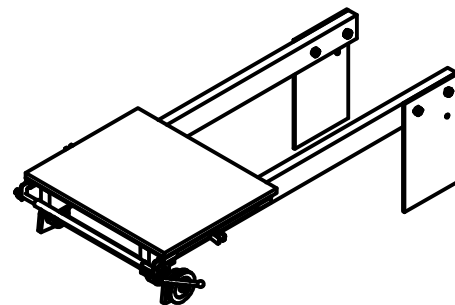
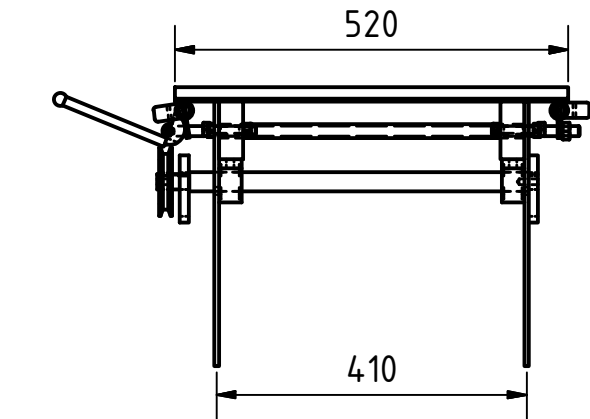
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Plate2 crane	oho_cbm_plate2-crane.ipt			8.5
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	Steel C45	2	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:2	91 /119	

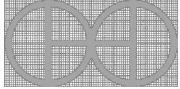


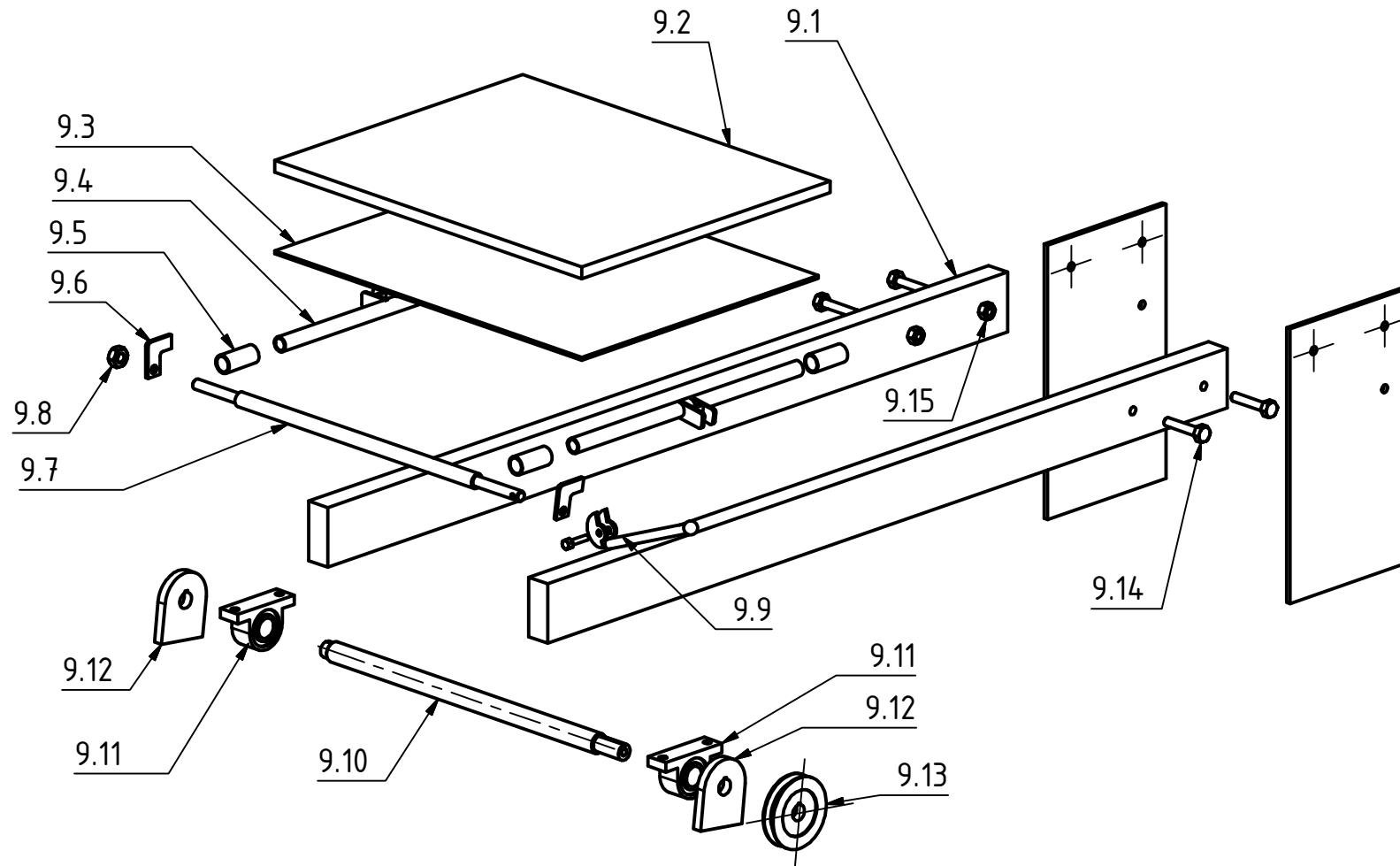
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Plate force axis	oho_cbm_plate-force-axis.ipt			8.6
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	Steel C45	2	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:1	92 /119	

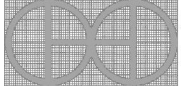


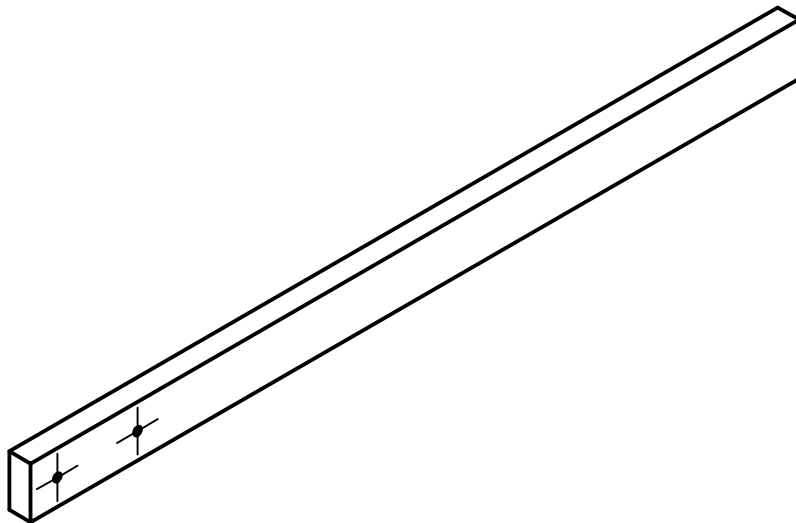
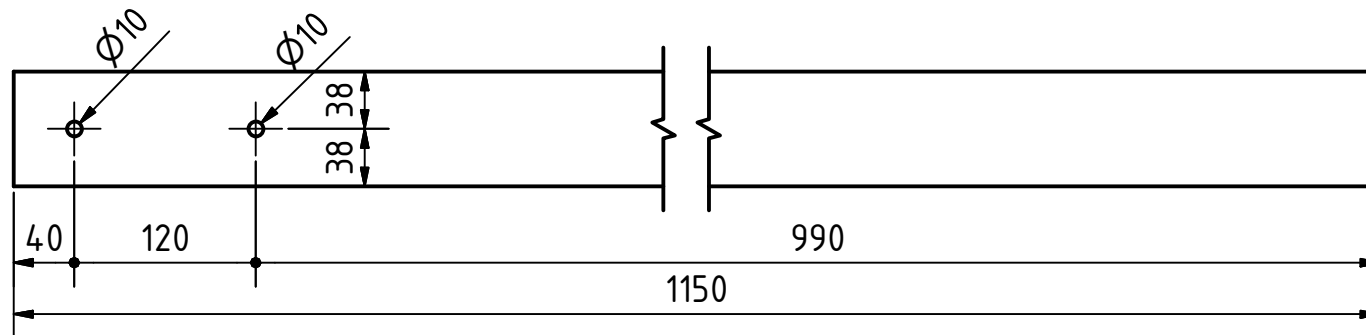
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Pipe axes vertical	oho_cbm_pipe-axes-vertical.ipt			8.7
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	ASTM A36	1	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:1	93 /119	

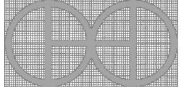


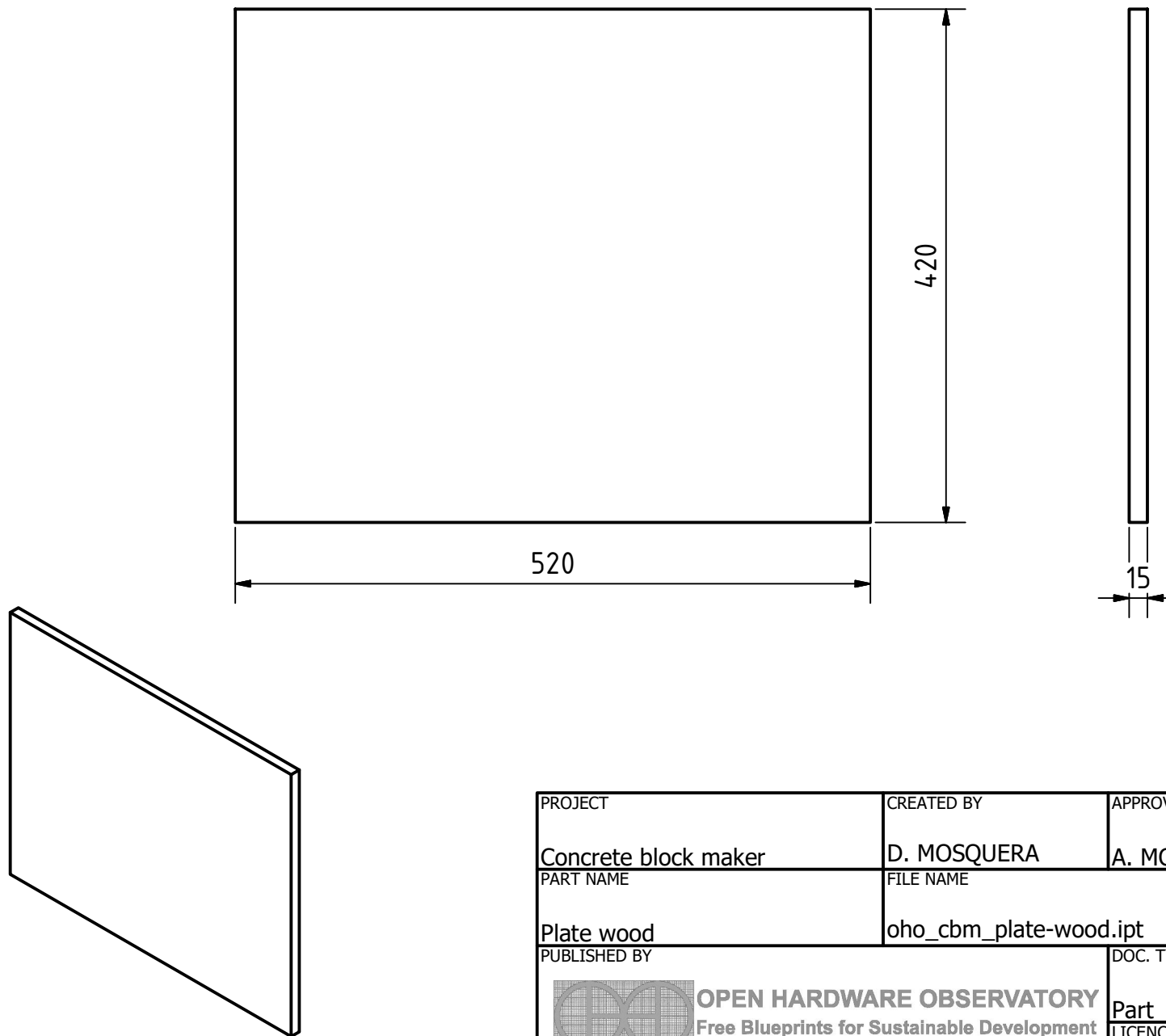
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Vibrator	oho_cbm_vibrator2.iam			9.0
PUBLISHED BY	DOC. TYPE		MATERIAL	QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Assembly			1
	LICENCE		SCALE	SHEET
OHO e.V.	CC-BY-SA 4.0		1:10	94 /119

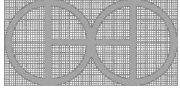


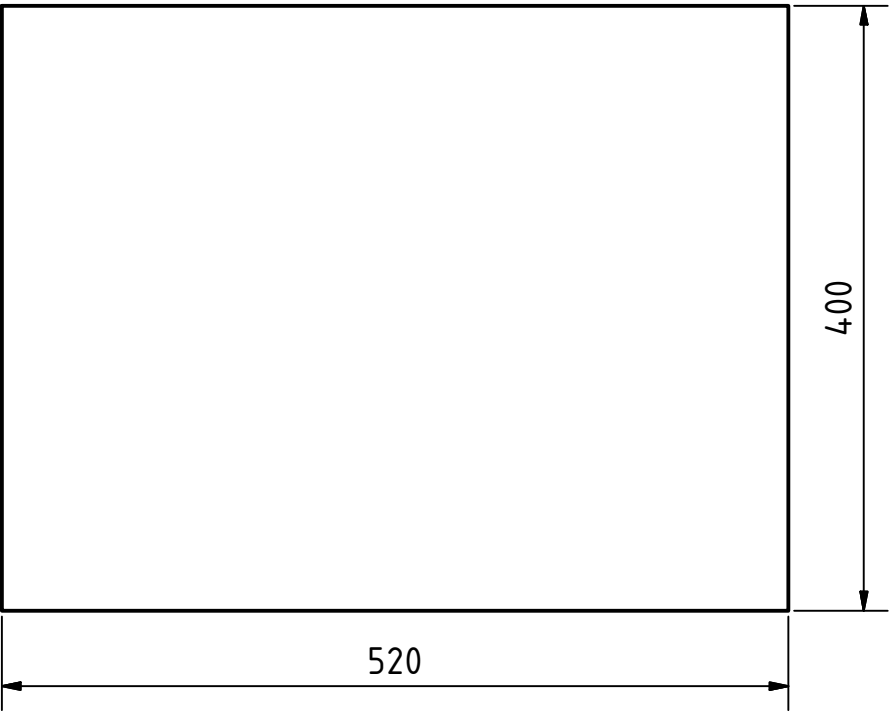
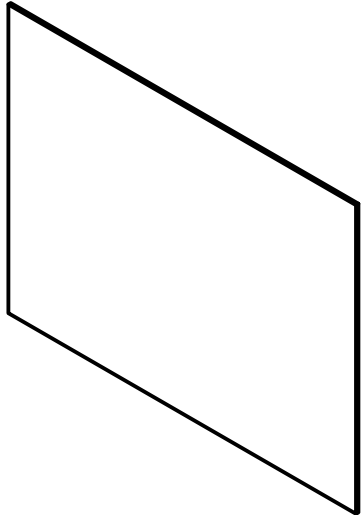
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Vibrator	oho_cbm_vibrator2.ipn			9.0
PUBLISHED BY	DOC. TYPE		MATERIAL	QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Assembly			1
	LICENCE		SCALE	SHEET
OHO e.V.	CC-BY-SA 4.0		1:8	95 /119




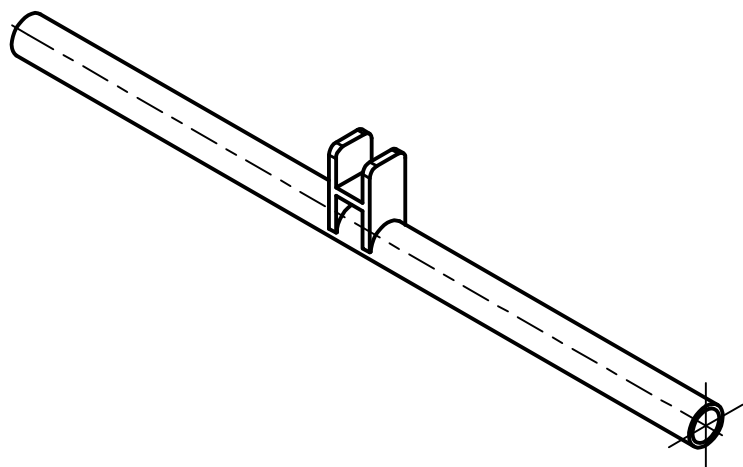
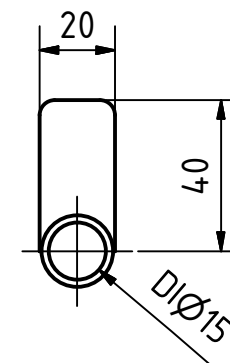
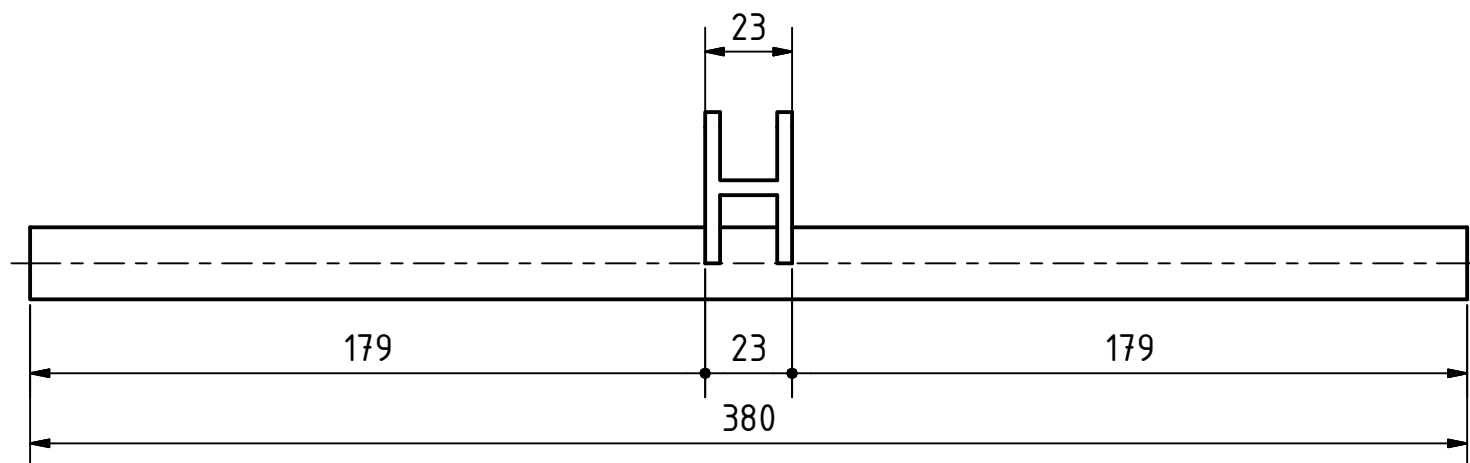
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Hardwood	oho_cbm_hardwood.ipt			9.1
PUBLISHED BY	DOC. TYPE		MATERIAL	QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part		Wodd	2
	LICENCE		SCALE	SHEET
OHO e.V.	CC-BY-SA 4.0		1:2	96 /119

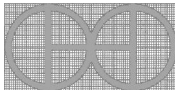


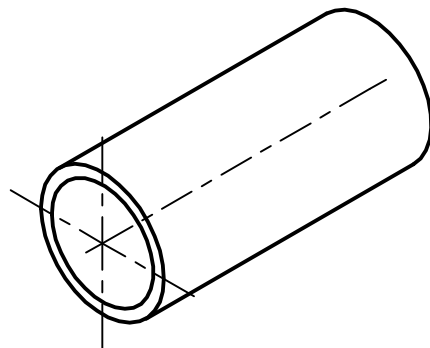
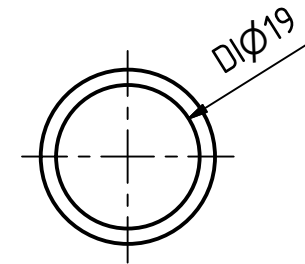
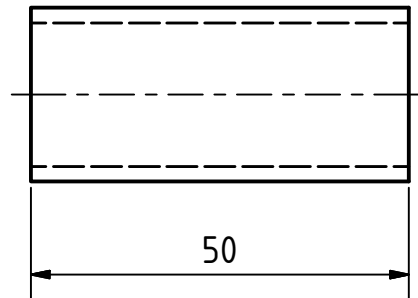
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Plate wood	oho_cbm_plate-wood.ipt			9.2
PUBLISHED BY	DOC. TYPE		MATERIAL	QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part		Wood	1
	LICENCE		SCALE	SHEET
OHO e.V.	CC-BY-SA 4.0		1:5	97 /119

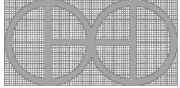


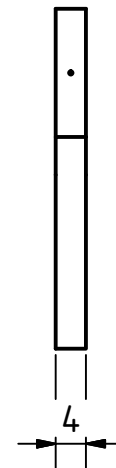
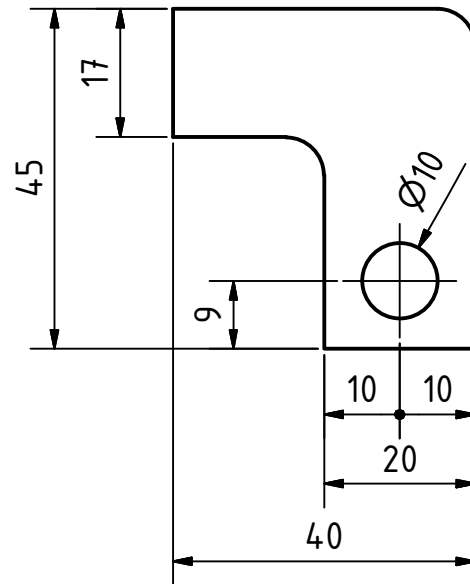
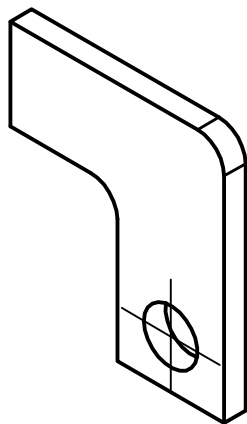
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Sheet bed	oho_cbm_sheet-bed.ipt			9.3
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	Steel C45	1	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:5	98 /119	

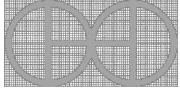


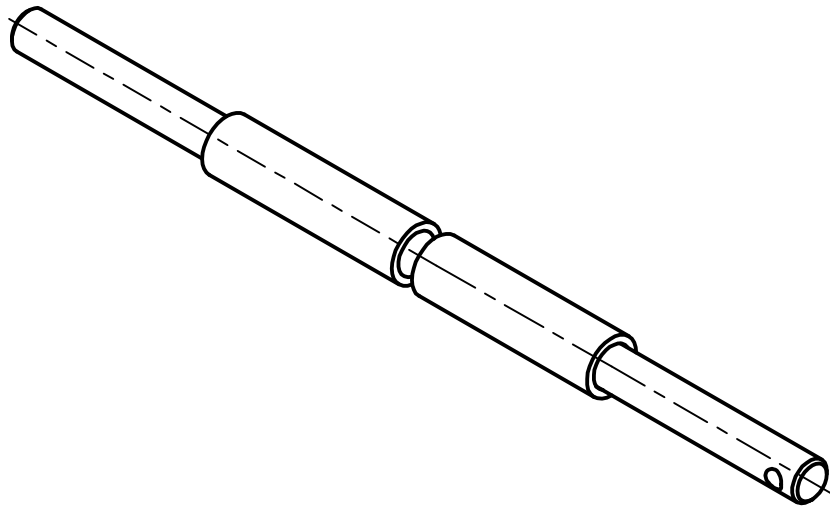
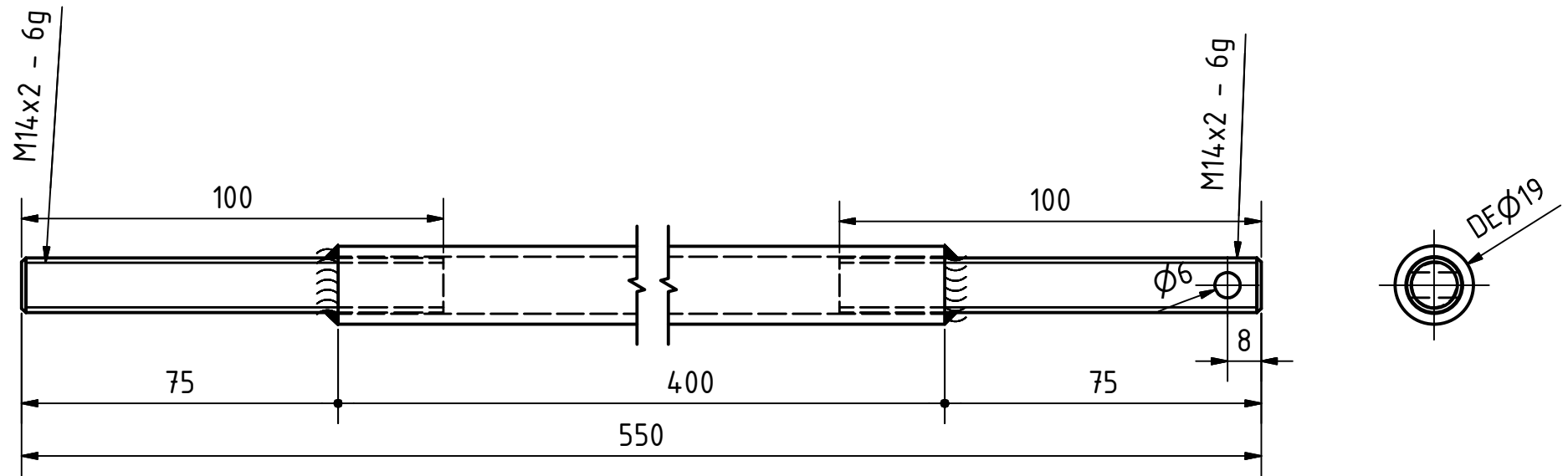
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Mold tensor	oho_cbm_tensor.iam			9.4
PUBLISHED BY	DOC. TYPE		MATERIAL	QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part		Steel C45	2
	LICENCE		SCALE	SHEET
OHO e.V.	CC-BY-SA 4.0		1:5	99 /119

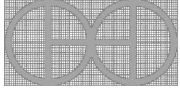


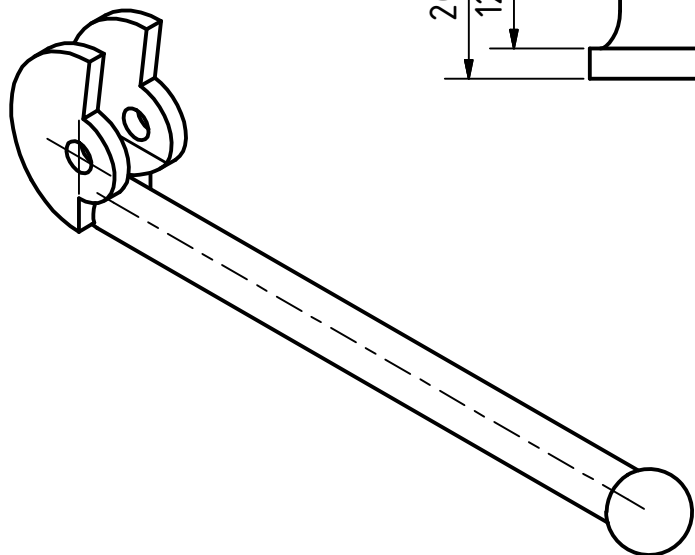
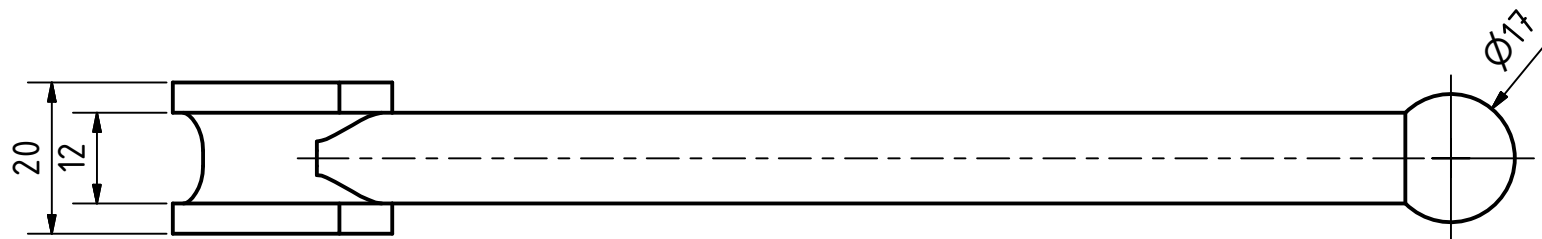
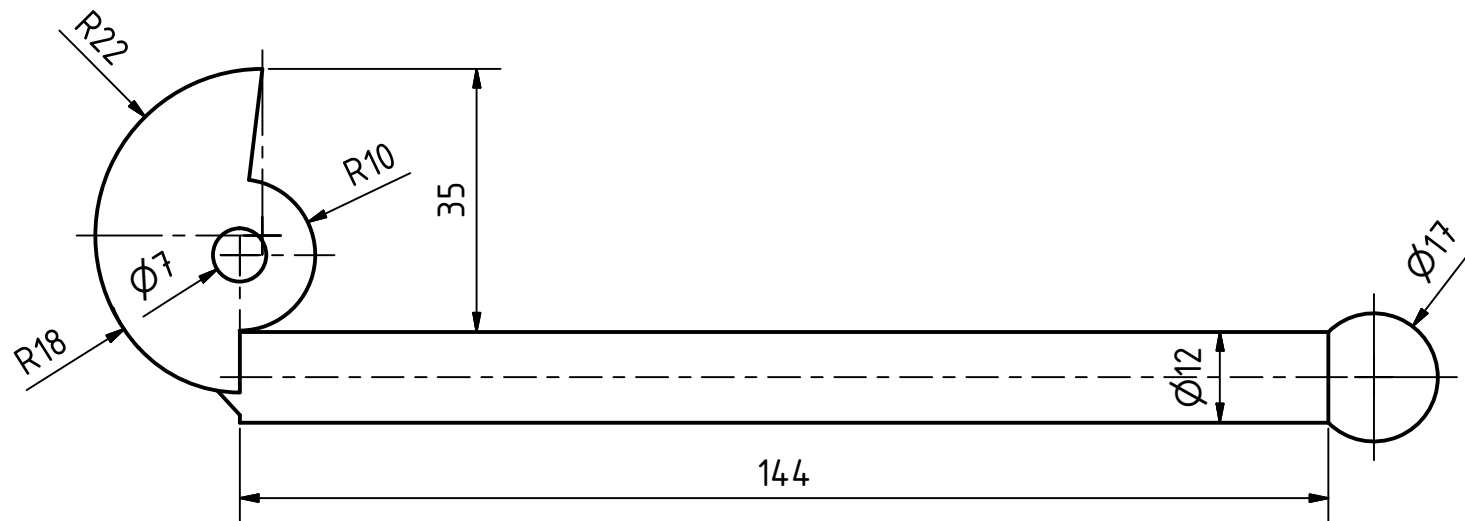
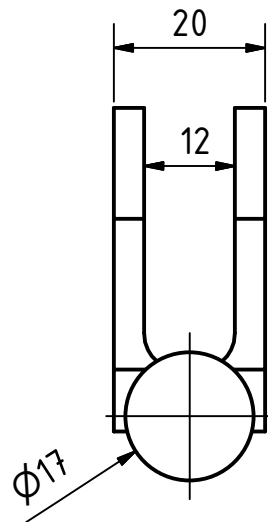
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Nipple	oho_cbm_nipple.ipt			9.5
PUBLISHED BY	DOC. TYPE		MATERIAL	QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part		ASTM A36	4
	LICENCE		SCALE	SHEET
OHO e.V.	CC-BY-SA 4.0		1;1	100 /119

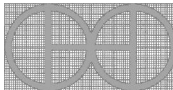


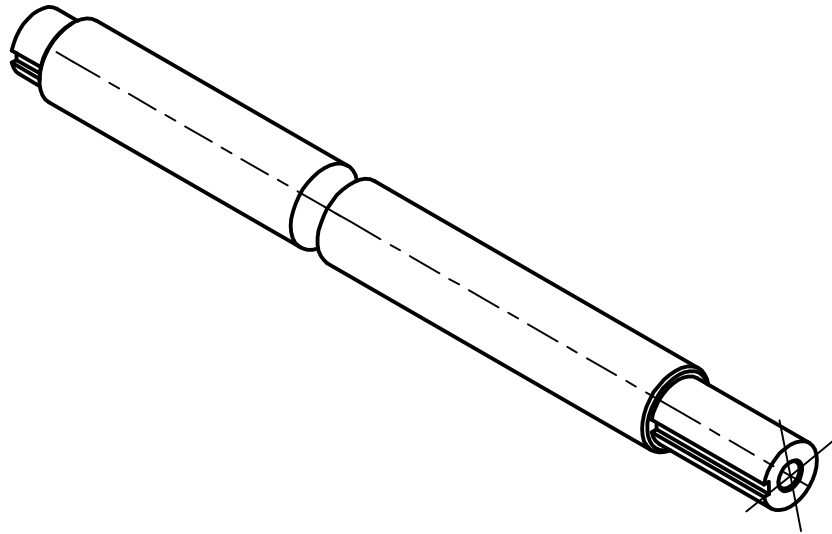
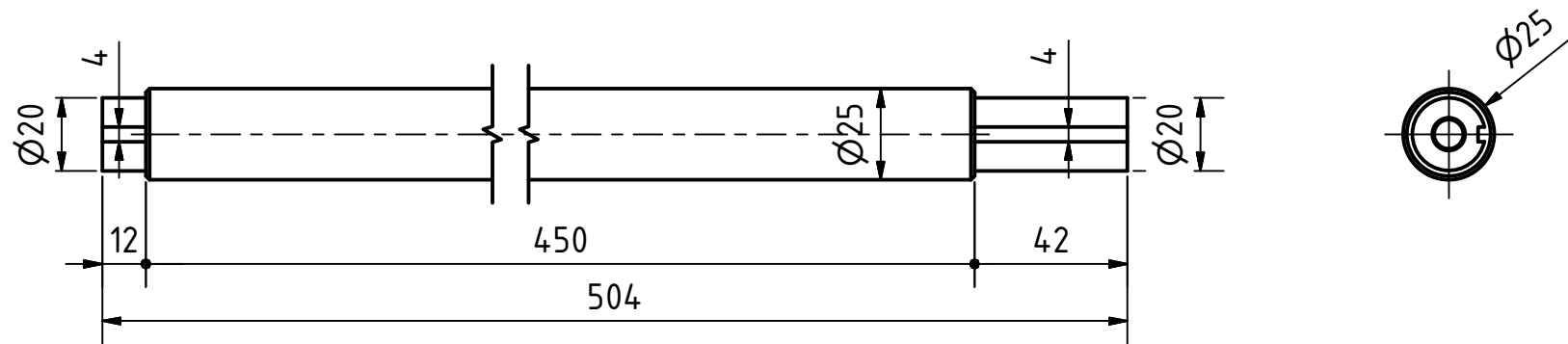
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Plate tensor	oho_cbm_plate-tensor.ipt			9.6
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	Steel C45	2	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:1	101 /119	

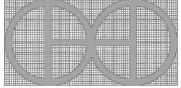


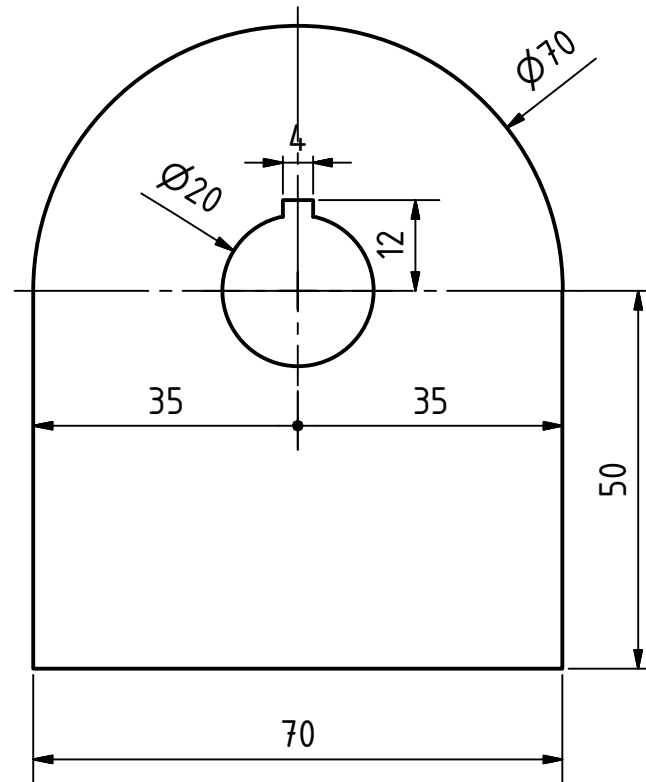
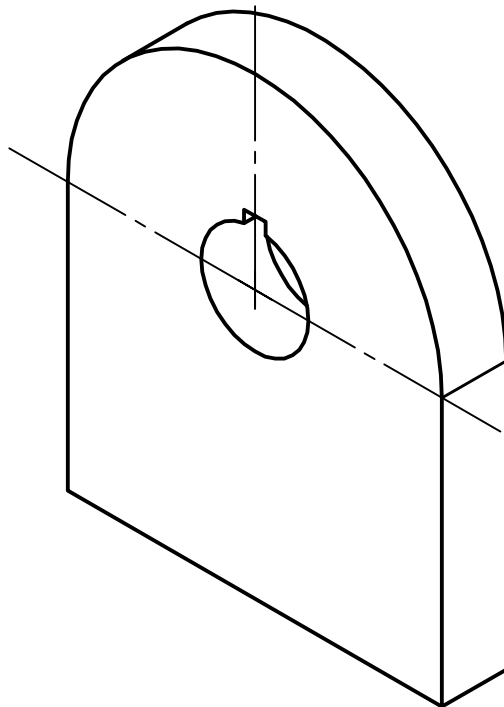
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Fixes tube	oho_cbm_fixes-tube.ipt			9.7
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	Steel C45	1	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:1,5	102 /119	

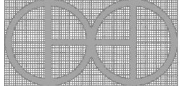


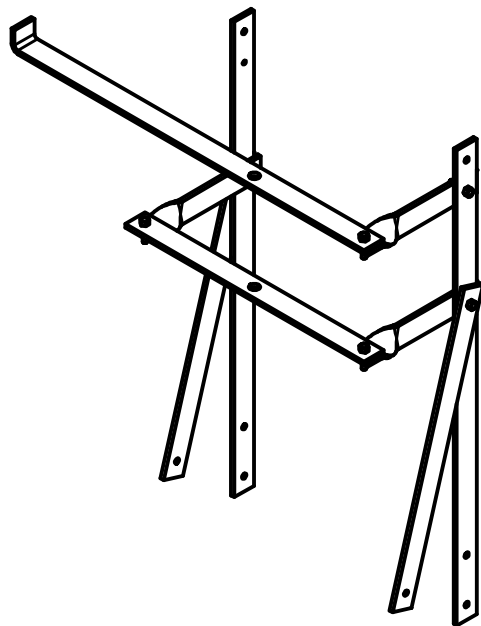
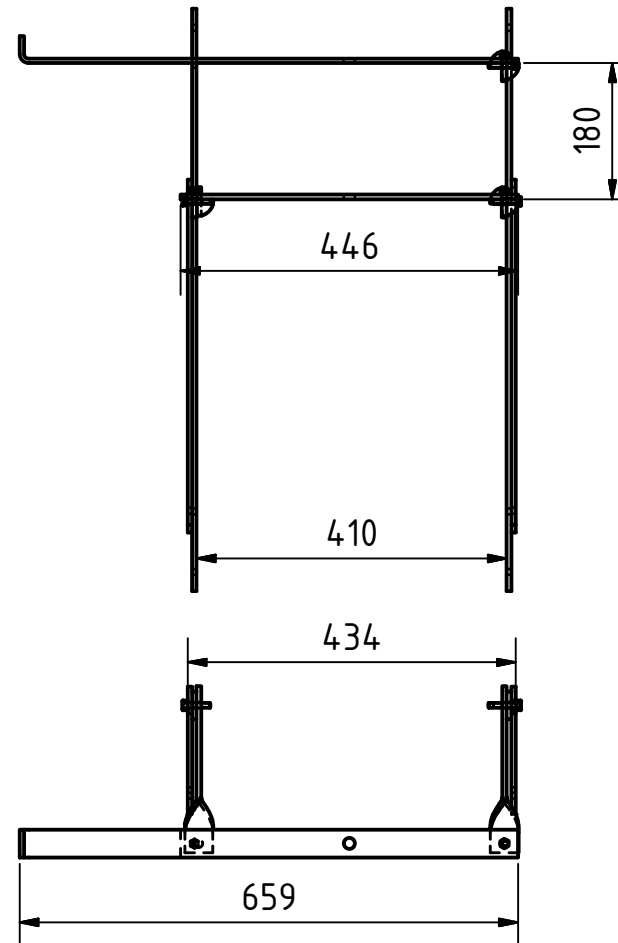
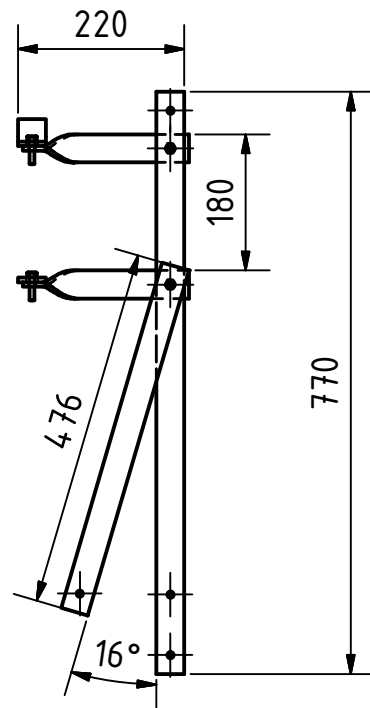
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Camp	oho_cbm_cam.ipt			9.9
PUBLISHED BY	DOC. TYPE		MATERIAL	QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part		Steel C45	1
	LICENCE		SCALE	SHEET
OHO e.V.	CC-BY-SA 4.0		1:1	103 /119

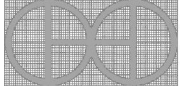


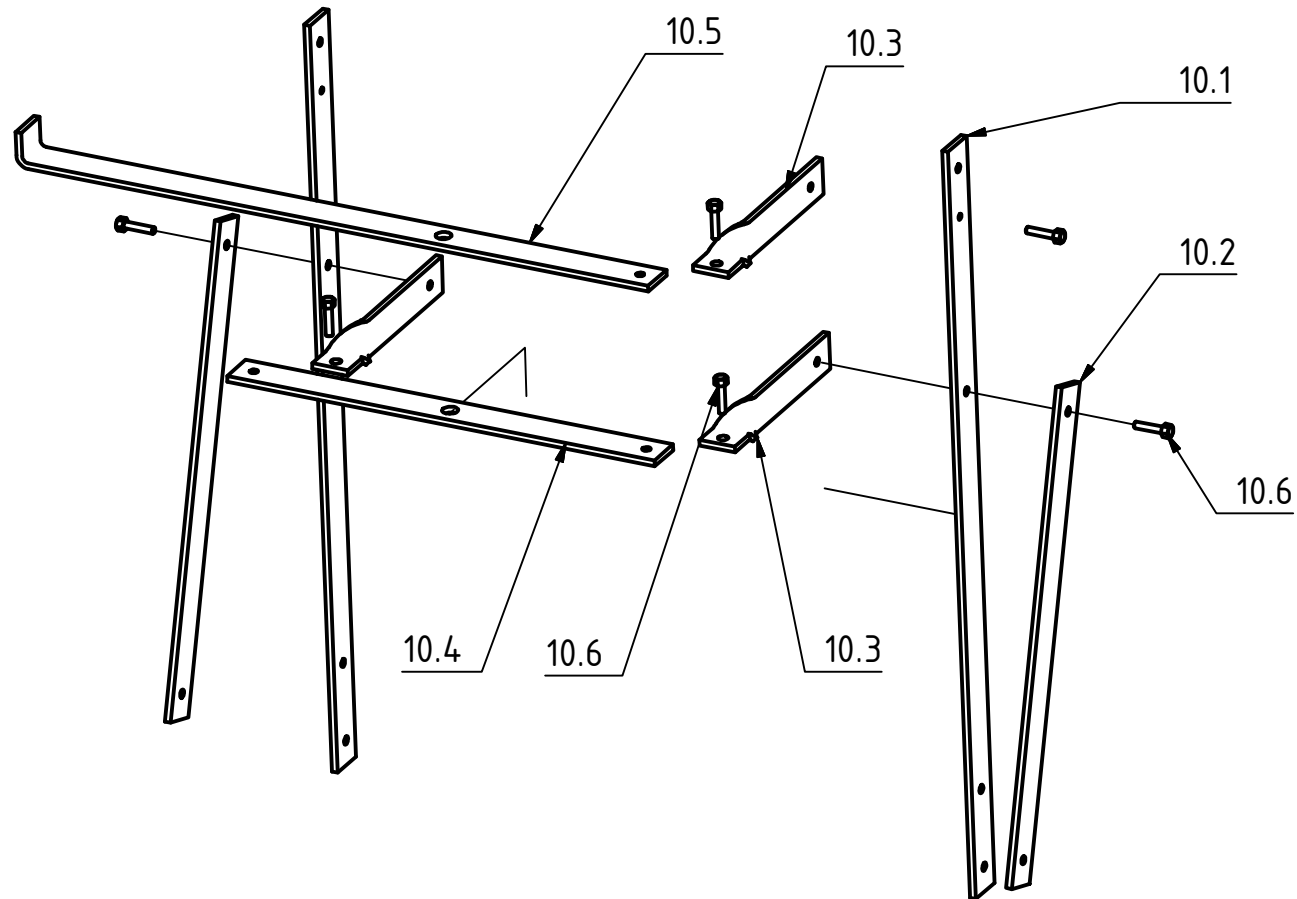
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME	POS		
Vibrator axis	oho_cbm_vibrator-axis.ipt	9.10		
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	Steel C45	1	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:2	104 /119	

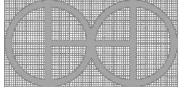


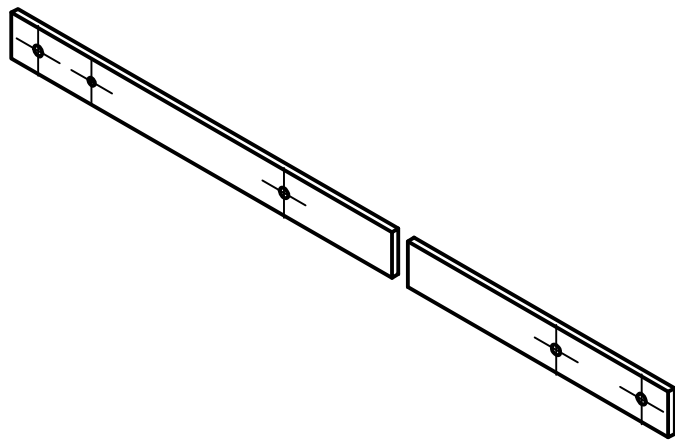
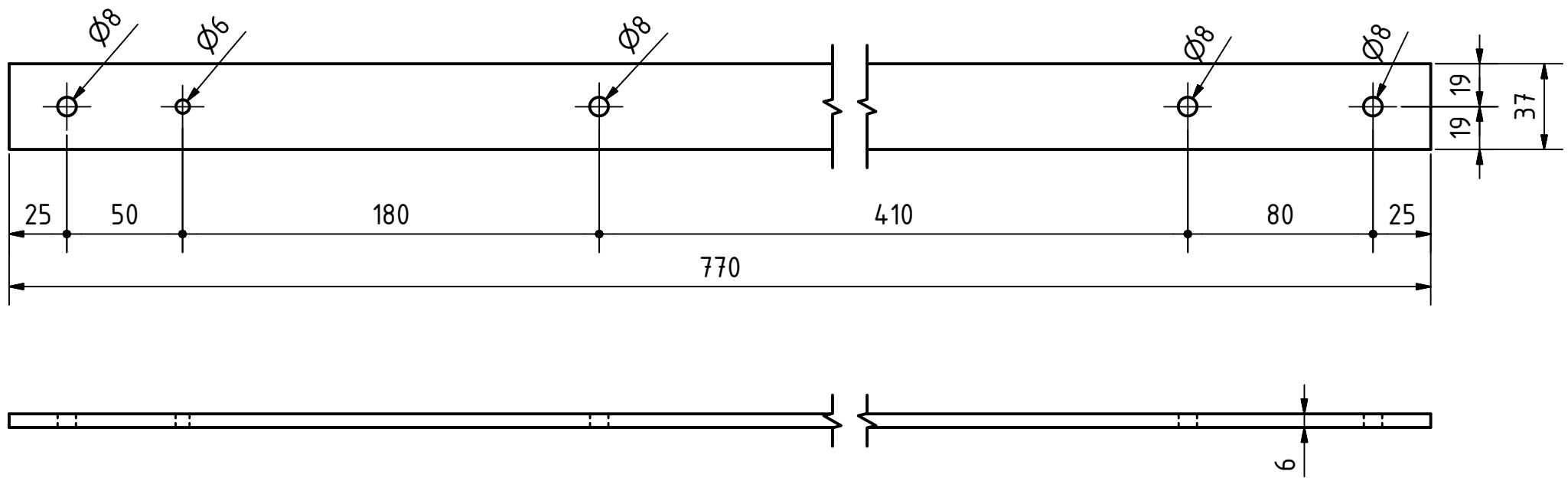
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Vibrator off center	oho_cbm_vibrator-off-center.ipt			9.12
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	Steel C45	2	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:1	105 /119	

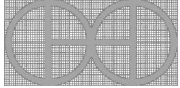


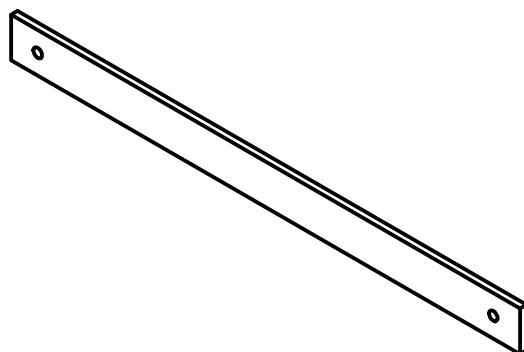
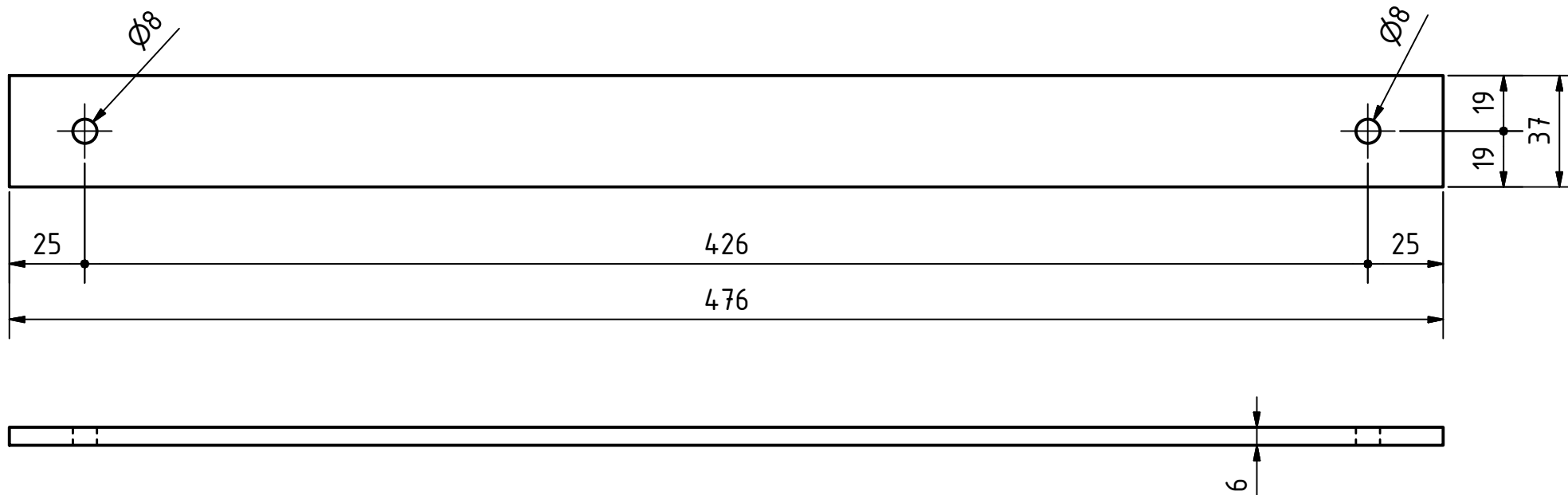
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Support crane	oho_cbm_support-crane.iam			10.0
PUBLISHED BY	DOC. TYPE		MATERIAL	QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Assembly			1
	LICENCE		SCALE	SHEET
OHO e.V.	CC-BY-SA 4.0		1:10	106 /119

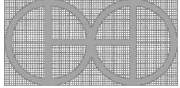


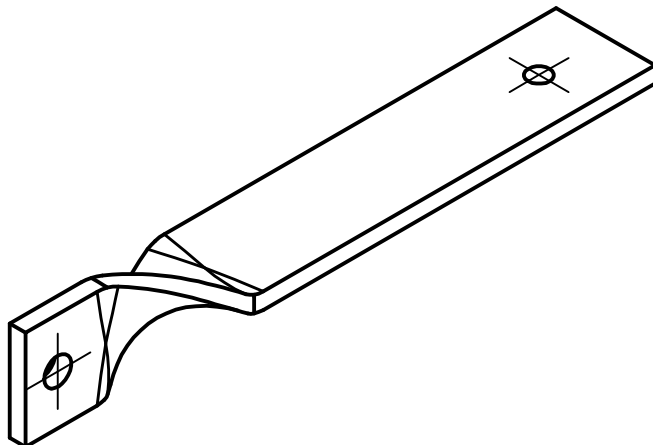
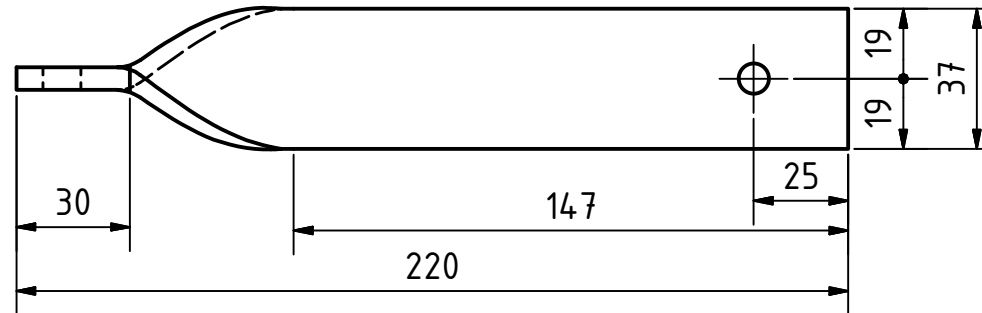
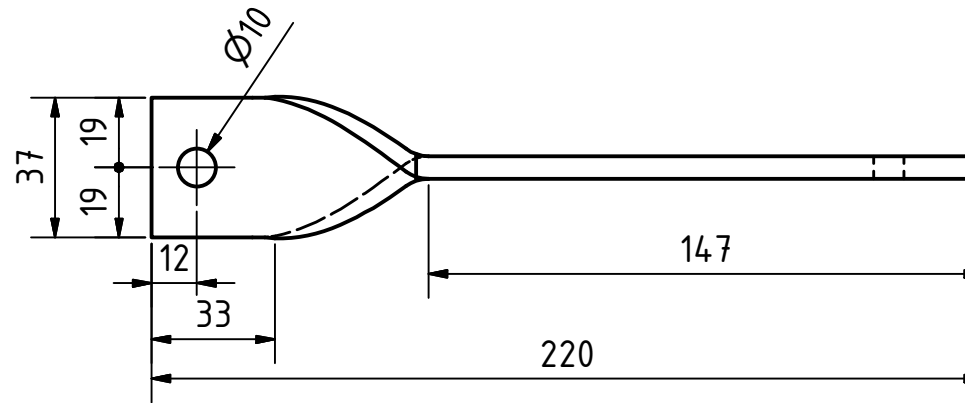
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Support crane	oho_cbm_support-crane.ipn			10.0
PUBLISHED BY	DOC. TYPE		MATERIAL	QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Assembly			1
	LICENCE		SCALE	SHEET
OHO e.V.	CC-BY-SA 4.0		1:7	107 /119

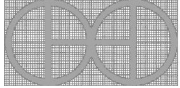


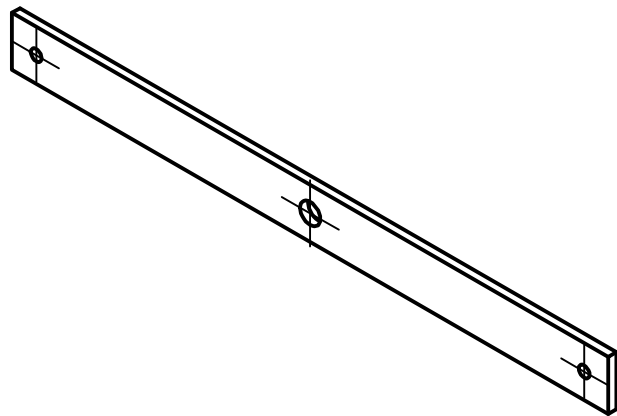
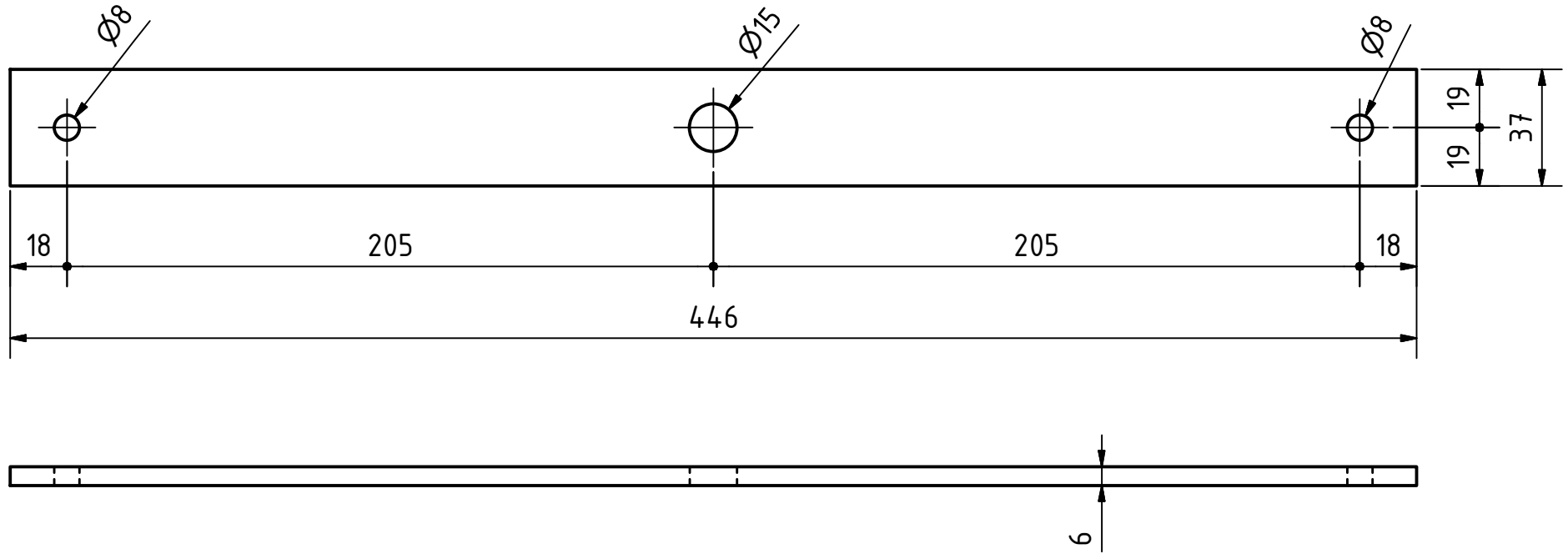
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Plate vertical	oho_cbm_plate-vertical.ipt			10.1
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	ASTM A36	2	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:2,5	108 /119	

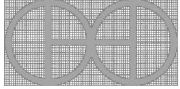


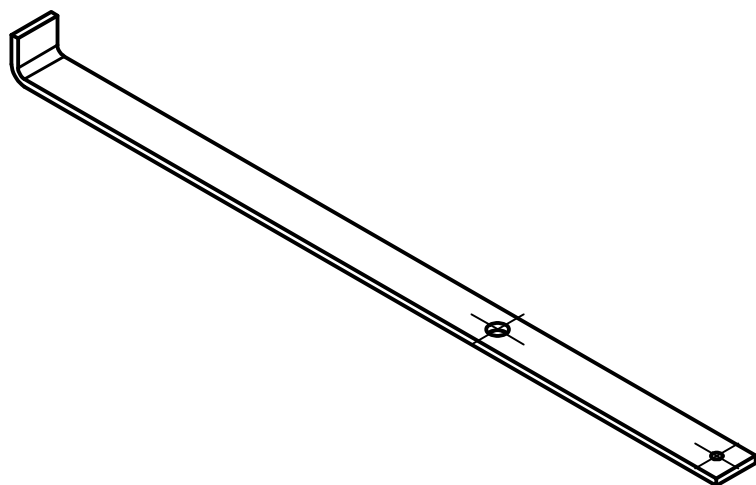
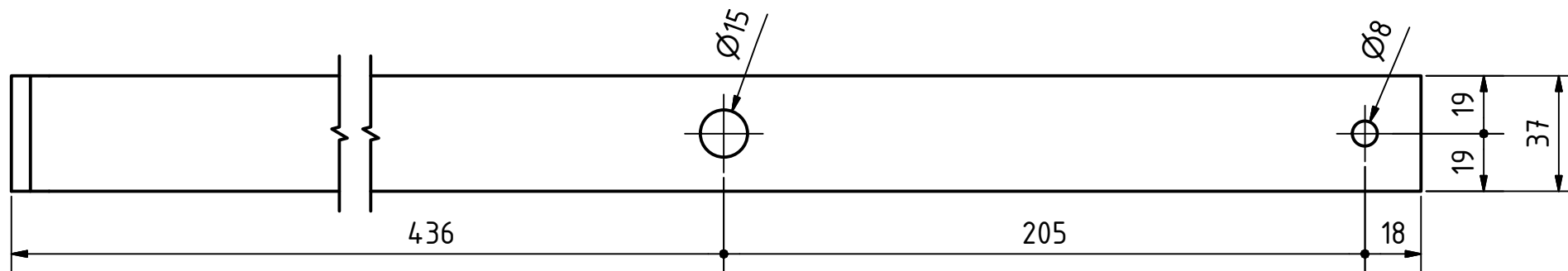
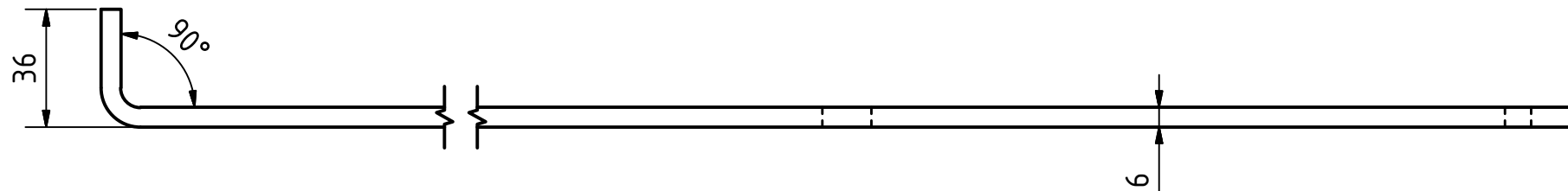
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Plate diagonal	oho_cbm_plate-diagonal.ipt			10.2
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	ASTM A36	2	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:2	109 /119	

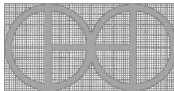


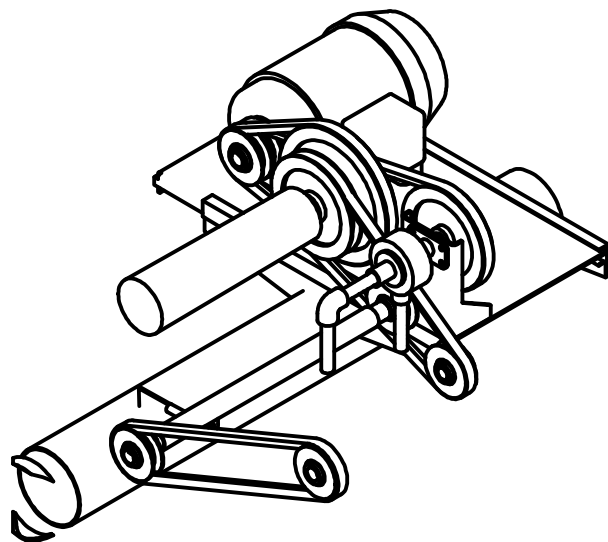
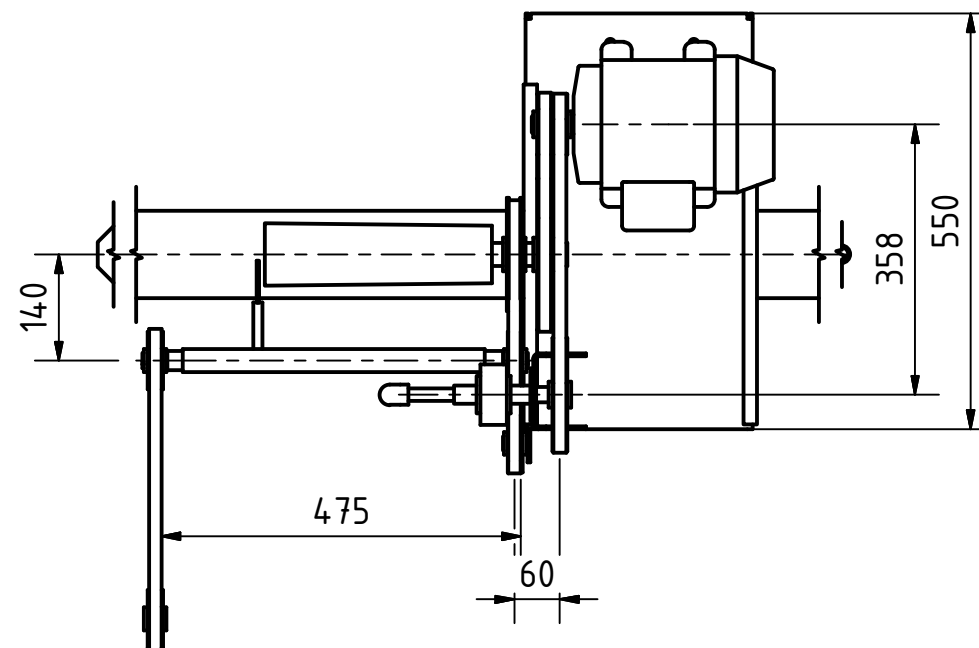
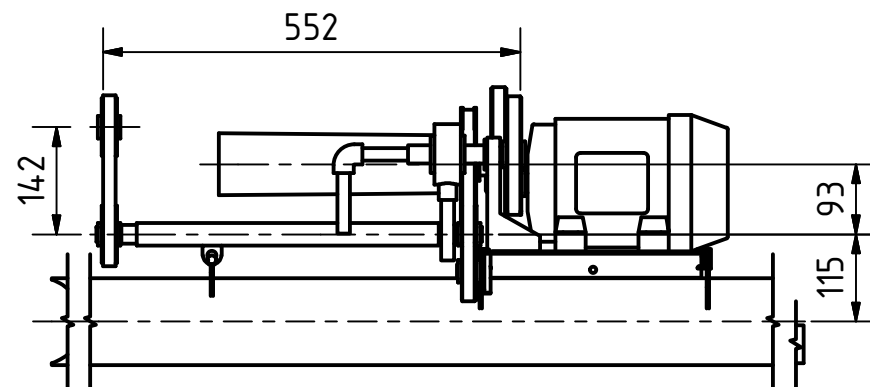
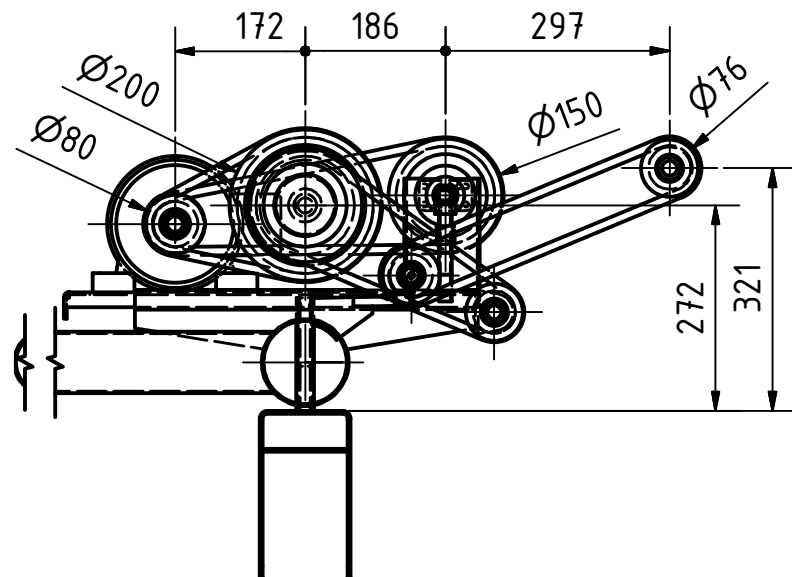
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Plate transv	oho_cbm_plate-transv.ipt			10.3
PUBLISHED BY	DOC. TYPE		MATERIAL	QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part		ASTM A36	4
	LICENCE		SCALE	SHEET
OHO e.V.	CC-BY-SA 4.0		1:2	110 /119

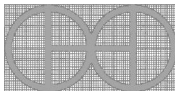


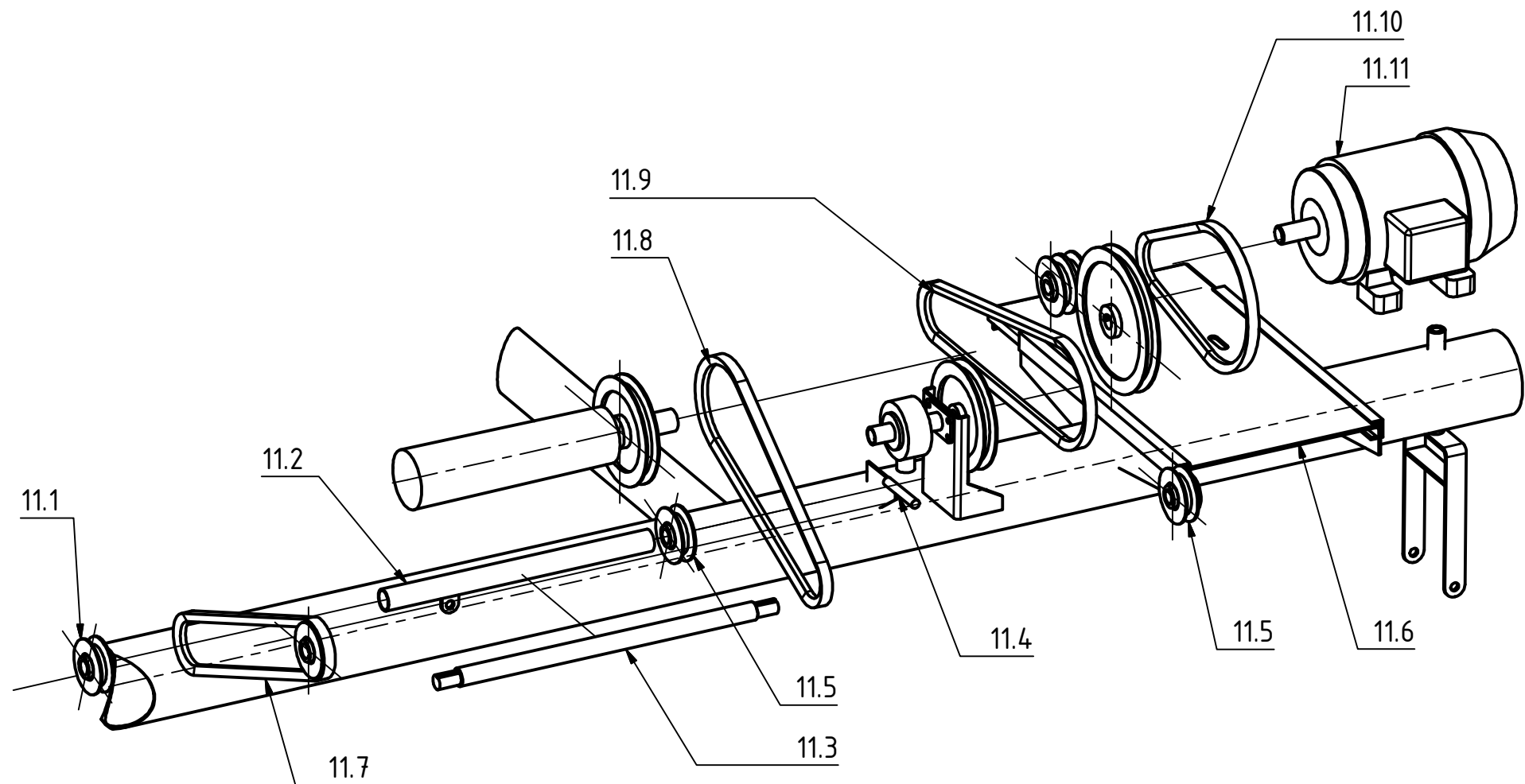
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Plate support axis	oho_cbm_plate-support-ejector.ipt			10.4
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	ASTM A36	1	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:2	111 /119	

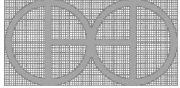


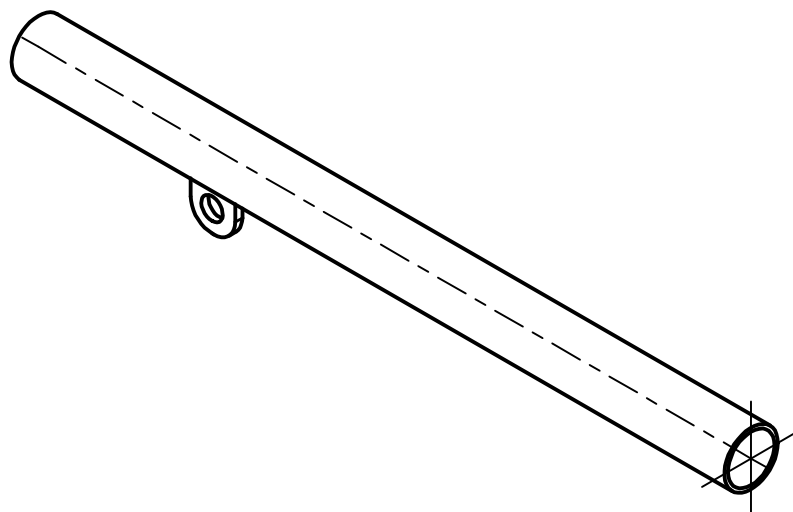
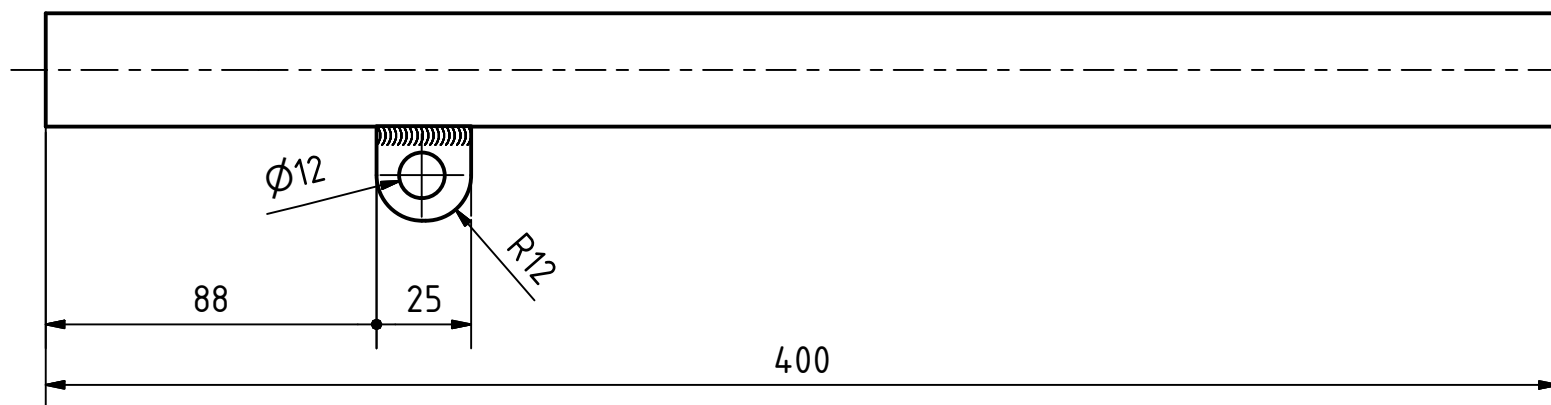
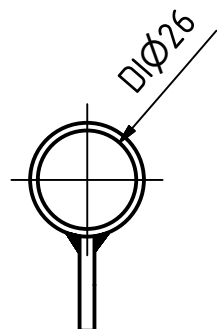
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Plate2 support axis	oho_cbm_plate2-support-ejector.ipt			10.5
PUBLISHED BY	DOC. TYPE	MATERIAL		QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	ASTM A36		1
	LICENCE	SCALE		SHEET
OHO e.V.	CC-BY-SA 4.0			112 /119

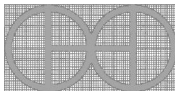


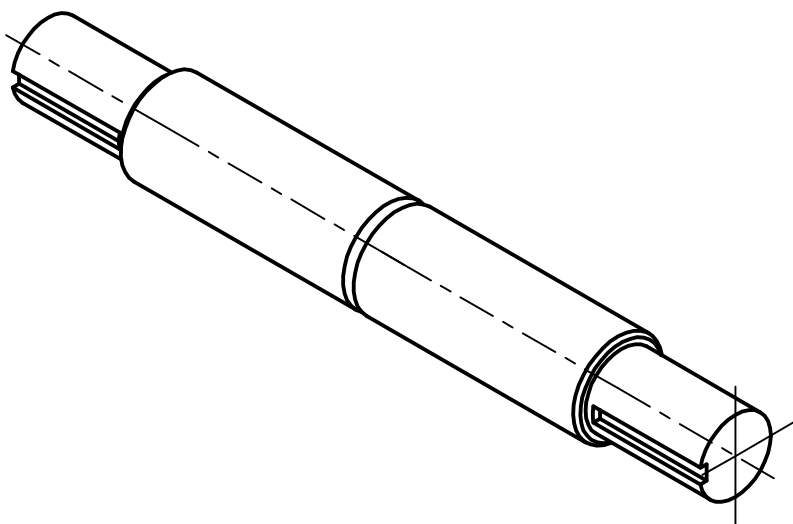
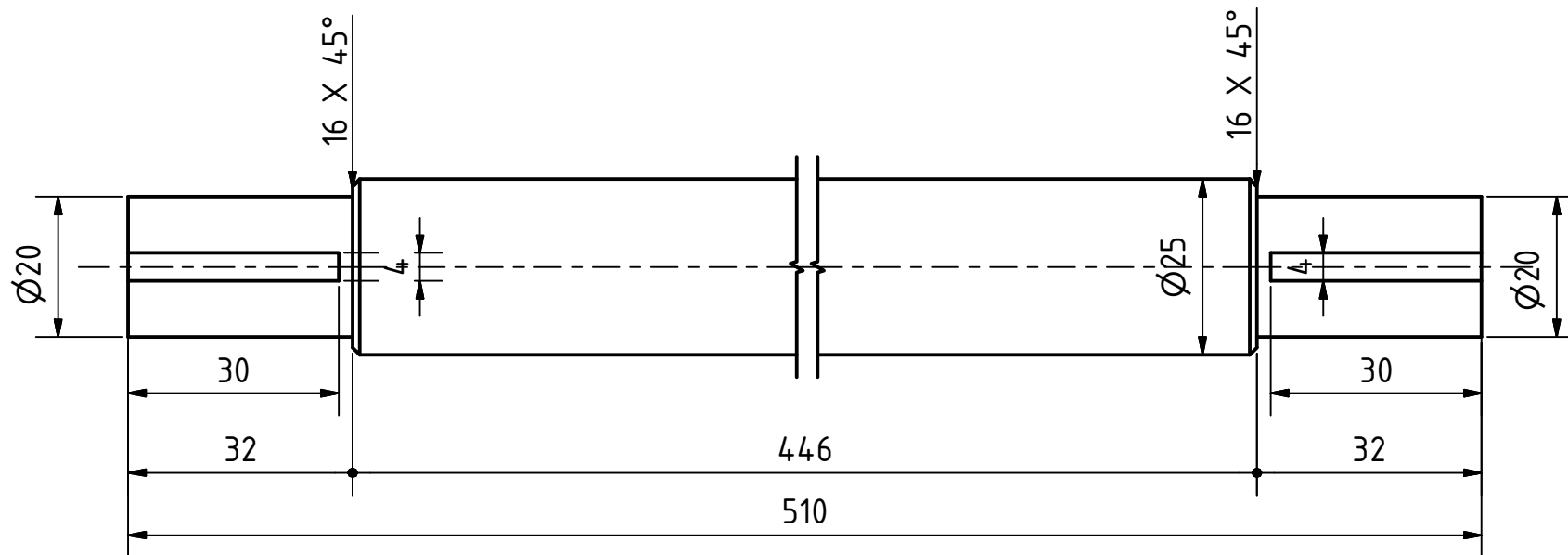
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME	POS		
Driver	oho_cbm_driver.iam	11.0		
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Assembly	1		SHEET
	LICENCE	SCALE	113 /119	
OHO e.V.	CC-BY-SA 4.0	1:10		

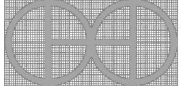


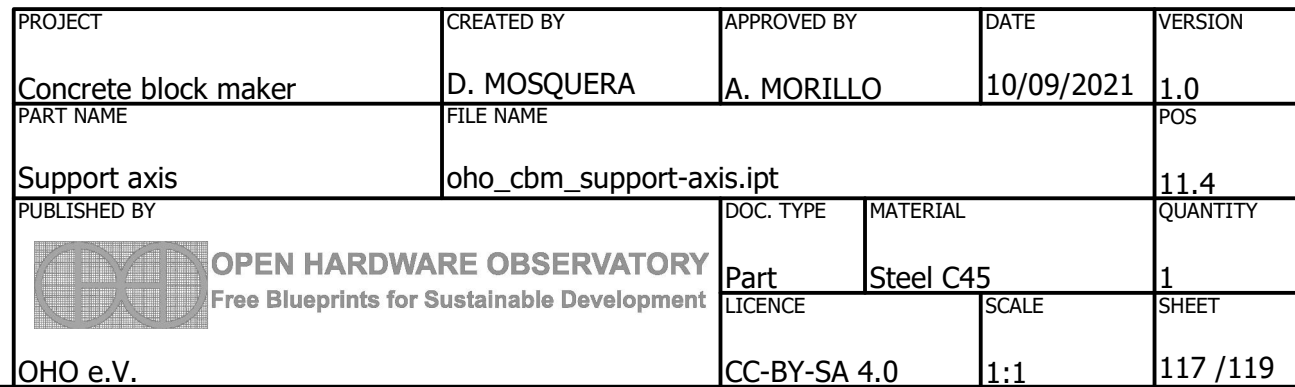
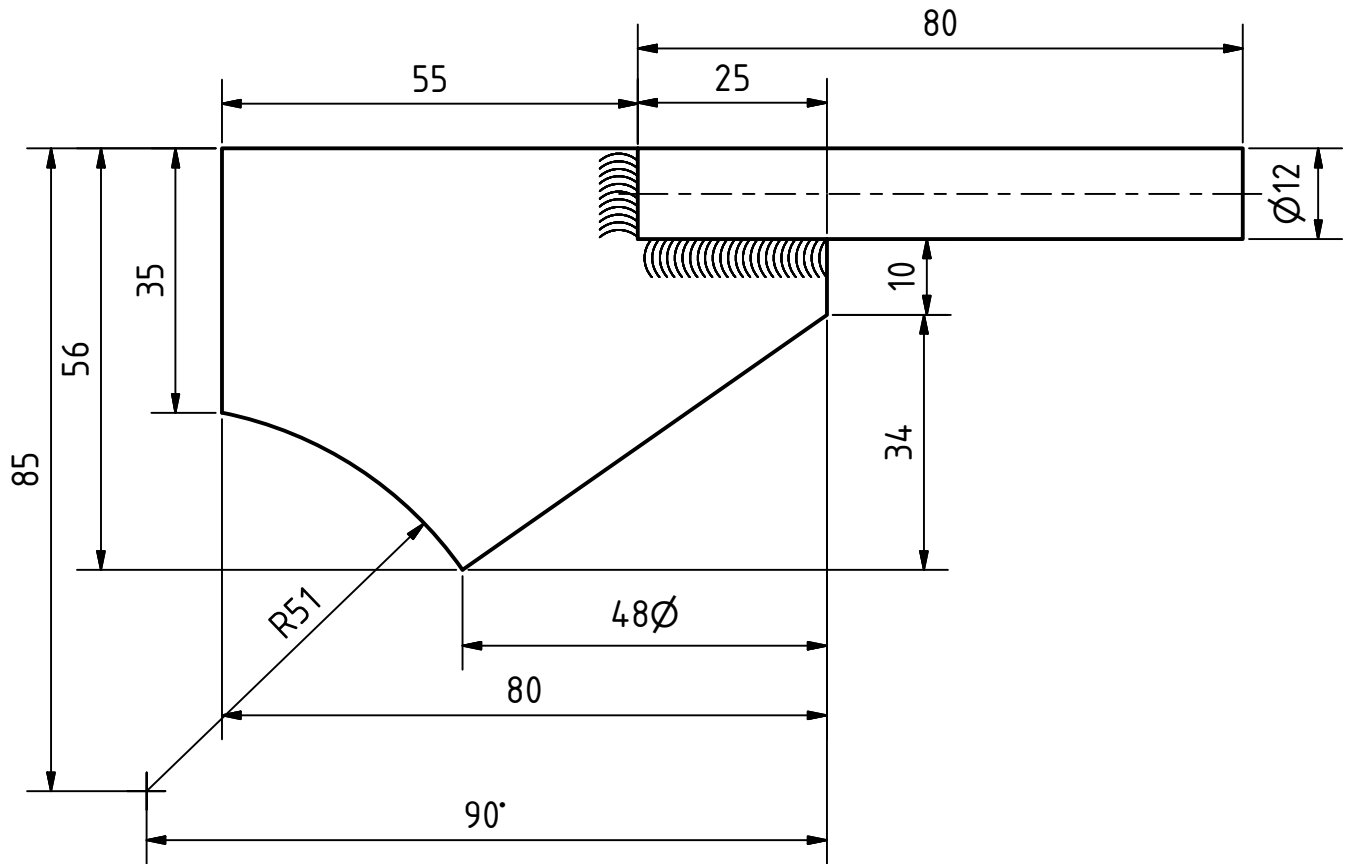
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Driver	oho_cbm_driver.ipn			11.0
PUBLISHED BY	DOC. TYPE		MATERIAL	QUANTITY
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Assembly			1
	LICENCE		SCALE	SHEET
OHO e.V.	CC-BY-SA 4.0		1:8	114 /119

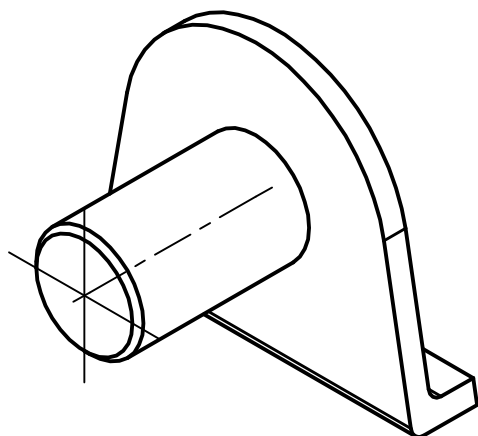
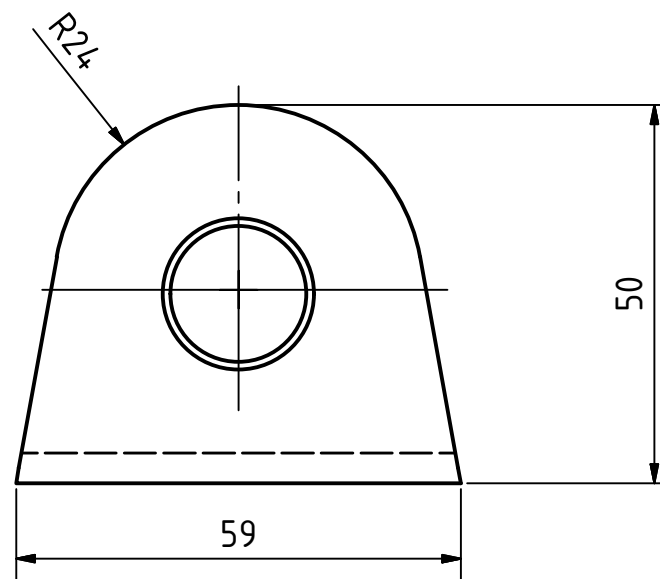
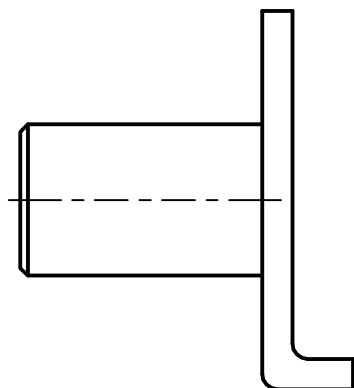


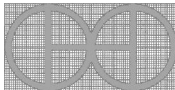
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Pipe of axis	oho_cbm_pipe-axis.ipt			11.2
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	Steel C45	1	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:2	115 /119	

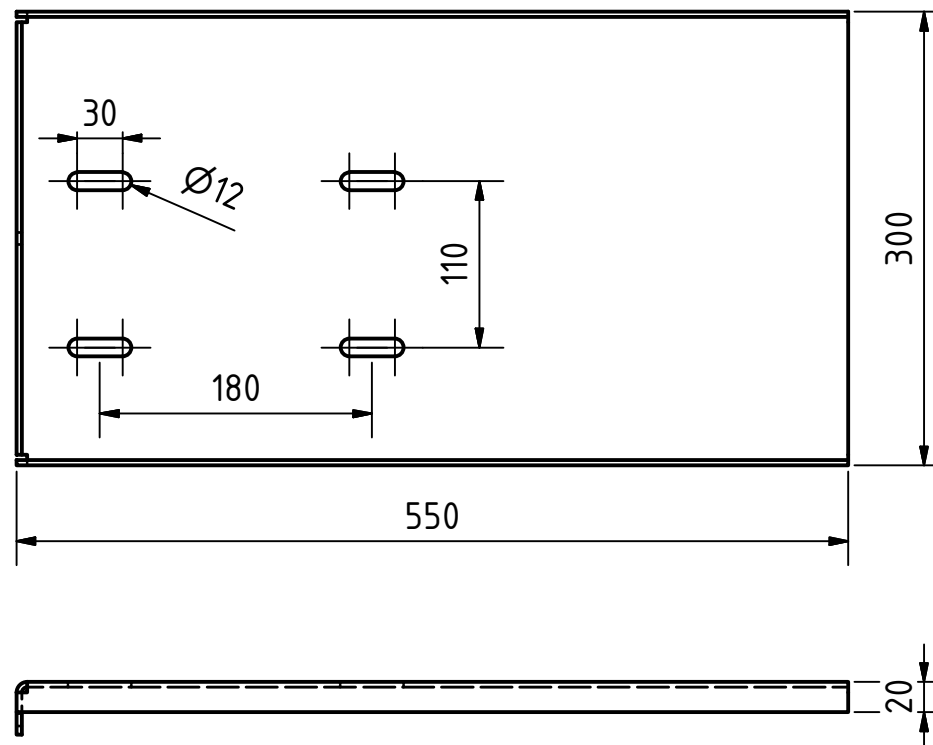
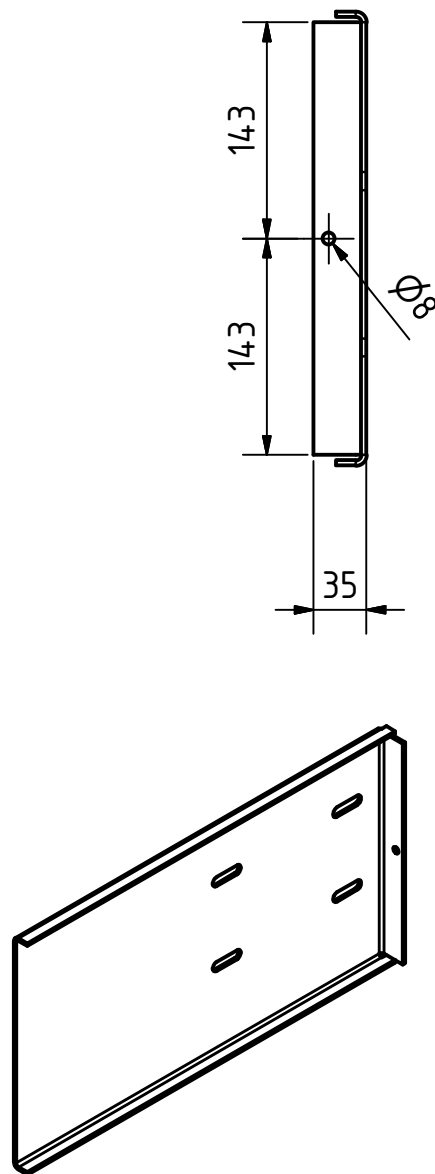


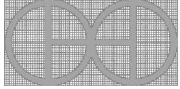
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Transmission vibrator axis	oho_cbm_transmission-vibrator-axis.ipt			11.3
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	Steel C45	1	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:1	116 /119	





PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Fly wheel axle	oho_cbm_Fly-wheel-axle.ipt			11.5
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	Steel C45	1	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:1	118 /119	



PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Concrete block maker	D. MOSQUERA	A. MORILLO	10/09/2021	1.0
PART NAME	FILE NAME			POS
Base motor	oho_cbm_base-motor.ipt			11.6
PUBLISHED BY	DOC. TYPE	MATERIAL	QUANTITY	
 OPEN HARDWARE OBSERVATORY Free Blueprints for Sustainable Development	Part	Steel C45	1	
	LICENCE	SCALE	SHEET	
OHO e.V.	CC-BY-SA 4.0	1:2	119 / 119	