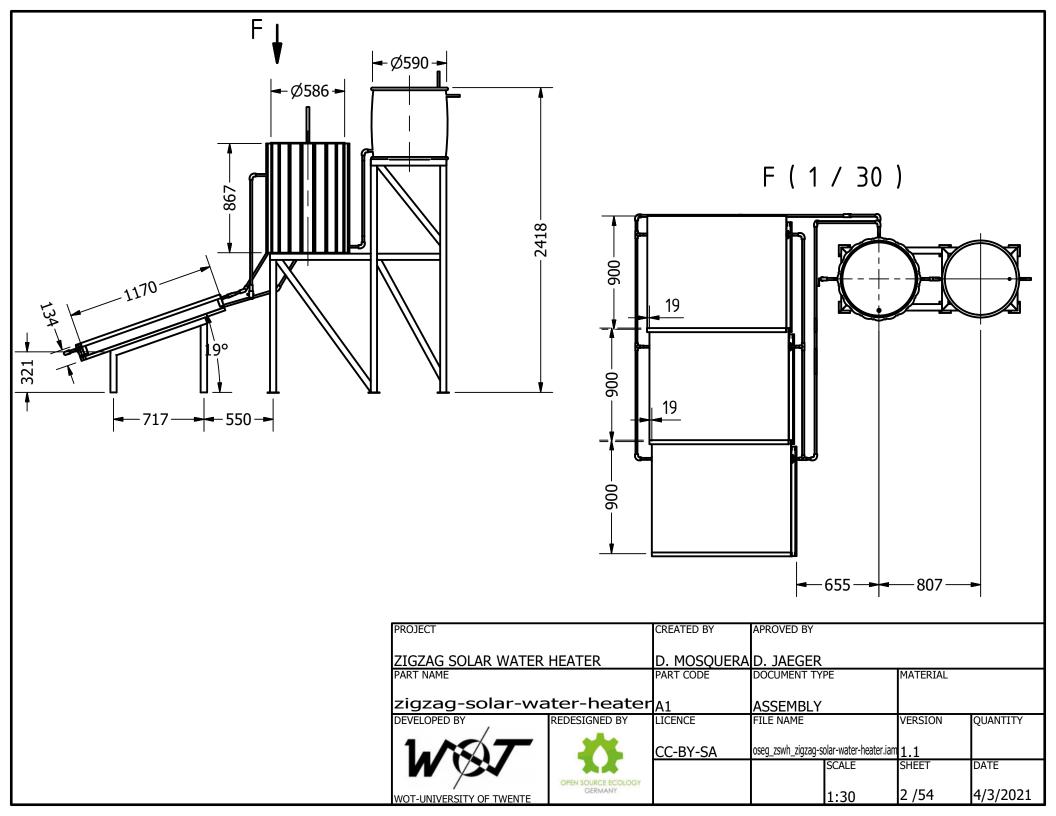
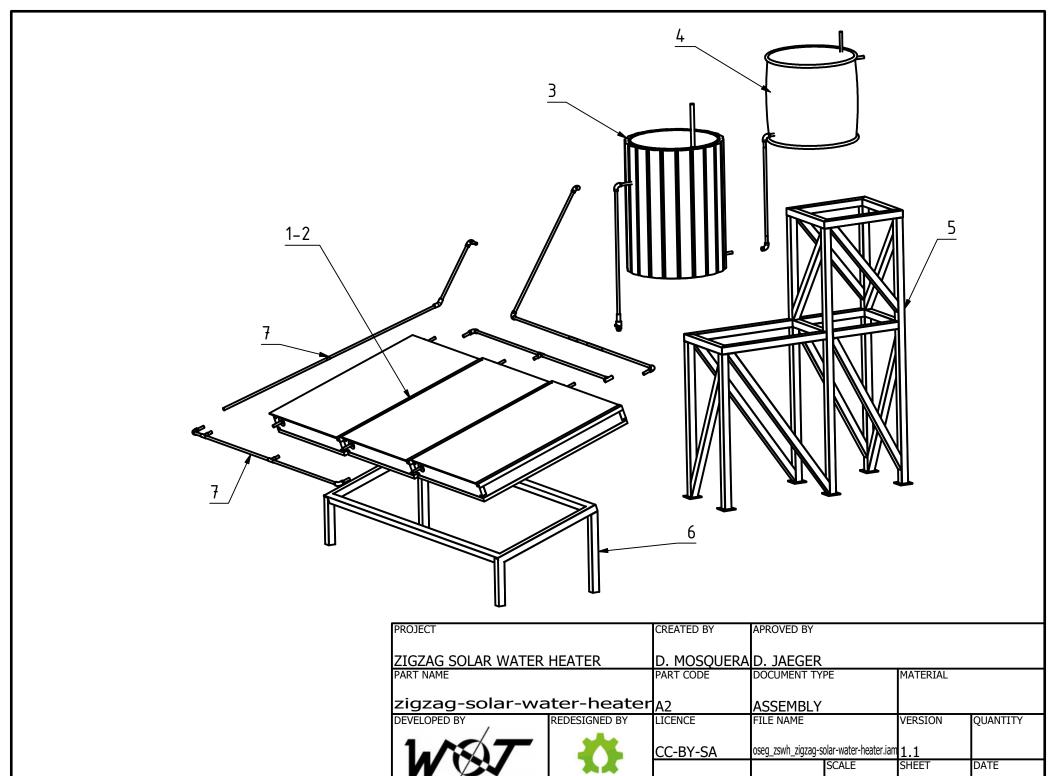


PROJECT	CREATED BY	APROVED BY				
ZIGZAG SOLAR WATER	D. MOSQUERA	D. JAEGER				
		PART CODE	DOCUMENT TY	PE	MATERIAL	
zigzag-solar-wa	A1	ASSEMBLY				
DEVELOPED BY	REDESIGNED BY	LICENCE	FILE NAME		VERSION	QUANTITY
14/55/7	1.05/7			olar-water-heater.iam		
W VSV	**			SCALE	SHEET	DATE
WOT-UNIVERSITY OF TWENTE	OPEN SOURCE ECOLOGY GERMANY			1:20	1 /54	4/3/2021





OPEN SOURCE ECOLOGY GERMANY

WOT-UNIVERSITY OF TWENTE

3 /54

1:25

4/3/2021

				PART LIST			
POS	POS.OLD	QTY	PART NAME	FILE NAME	PART TYPE	SPECS	SHT
A1			zigzag solar water	oseg_zswh_A1_zigzag-solar-water-			1-2
Υī			heater	heater.iam			1-2
A2		<u> </u>	zigzag solar water	,			3
AZ			heater				٦
В			Part list	oseg_zswh_B_parts-list.			4-7
C1			Technical notes			General notes	8
C2			Technical notes			Hydraulic scheme	9
1.0	2.1	3	The Absorber	oseg_zswh_Absorber.iam			10-12
1.1	2.1.1	3	1/2" galvanised pipe	oseg_zswh_zig-zag-1/2"-galvanised	Production	galv. iron	13
1.1	۷.1.1			-pipe.ipt	Production	gaiv. IIOII	10
1.2	2.1.4	3	galvanised sheet	oseg_zswh_galvanised-sheet.ipt	Production	One 1.22*2.44 sheet	14
1.3		16	saddles	oseg_zswh_saddles.ipt	Production	0.5 mm, galv. sheet	15
1.4		64	rivets 9,4 x 18	9,4 x 18 x 0,3 - SV 34.ipt	Standard	rivets 9,4 x 18 expand	
2.0	2.2	3	collector-box	oseg_zswh_collector-box.iam			16-17
2.1		6	sides planks	oseg_zswh_sides-planks.ipt	Production	pine wood or similar	18
2.2		6	front planks	oseg_zswh_front-planks.ipt	Production	pine wood or similar	19
2.3		6	supporting laths	oseg_zswh_supporting-laths.ipt	Production	pine wood or similar	20
2.4		3	bottom plank	oseg_zswh_bottom-plank.ipt	Production	pine wood or similar	21
2.5		3	insulating material	oseg_zswh_insulating-material.ipt	Production	See Tech notes	22
2.6		3	cover glass	oseg_zswh_cover-glass.ipt	Production	4 mm glass	23
2.7		8	rubber strip	oseg_zswh_rubber-strip.ipt	Production	rubber	24

PROJECT	PROJECT			APROVED BY			
ZIGZAG SOLAR WAT	D. MOSQUER	D. MOSQUERA D. JAEGER					
		PART CODE	DOCUMENT T	YPE	MATERIAL		
		B1	PART LIST	-			
DEVELOPED BY	REDESIGNED BY	LICENCE	FILE NAME		VERSION	QUANTITY	
1.05/7	- J/L	CC-BY-SA			1.1		
W VSV	7.4			SCALE	SHEET	DATE	
WOT-UNIVERSITY OF TWENT	OPEN SOURCE ECOLOGY GERMANY				4 /54	4/3/2021	

				PART LIST			
POS	POS.OLD C	QTY	PART NAME	FILE NAME	PART TYPE	SPECS	SHT
2.8		3	angle section	oseg_zswh_angle-section.ipt	Production	Angle section aluminum 25x25x3; L: 1180	25
3.0	3	1	insulated storage tank	oseg_zswh_insulated-storage-tank.i am			26
3.1		1	storage tank	oseg_zswh_storage-tank.ipt	Standard	200-litre drum 867 height * 584 diam	28
3.2		4	galvanised pipe 1/2"	oseg_zswh_galvanised pipe 1/2"x150.ipt	Production	galv. iron	29
3.3		2	galvanised pipe 3/4"	oseg_zswh_galvanised pipe 3/4"x300.ipt	Production	galv. iron	30
3.4		1	insulating material	oseg_zswh_insulating-material.ipt	Production	see notes	31
4.0	4		the buffer tank	oseg_zswh_the-buffer-tank.iam			32
4.1		1	buffet tank	oseg_zswh_buffer-tank.ipt	Standard	half 200-litre drum 433 height * 584 diam	33
4.2		3	galvanised pipe 1/2"	oseg_zswh_galvanised-pipe-1/2"x1 50.ipt	Production	galv. iron	34
4.3		1	floating gauge	oseg_zswh_floating-gauge.ipt	Standard	Tank float valve, 15 gpm, 60 psi, 1/2" NPT	
5.0		1	foundation storage tank	oseg_zswh_foundation-structure.ia m			35-36
5.1		4	steel-pipe 50x50x500	oseg_zswh_steel-pipe 50x50x500.ipt	Production	steel A36	37

PROJECT	PROJECT			APROVED BY			
ZIGZAG SOLAR WATI	D. MOSQUER	OSQUERA D. JAEGER					
		PART CODE	DOCUMENT TY	YPE	MATERIAL		
		B2	PART LIST	-			
DEVELOPED BY	REDESIGNED BY	LICENCE	FILE NAME		VERSION	QUANTITY	
14/55/7	3/4	CC-BY-SA			1.1		
W VSV	***			SCALE	SHEET	DATE	
/ WOT-UNIVERSITY OF TWENTE	OPEN SOURCE ECOLOGY GERMANY				5 /54	4/3/2021	

			PART LIST			
POS	POS.OLD QTY	PART NAME	FILE NAME	PART TYPE	SPECS	SHT
5.2	2	steel-pipe 50x50x600	oseg_zswh_steel-pipe 50x50x600.ipt	Production	steel A36	38
5.3	2	steel-pipe 50x50x800	oseg_zswh_steel-pipe 50x50x800.ipt	Production	steel A36	39
5.4	2	steel-pipe 50x50x1050	oseg_zswh_steel-pipe 50x50x1050.ipt	Production	steel A36	40
5.5	4	steel-pipe 50x50x1800	oseg_zswh_steel-pipe 50x50x1800.ipt	Production	steel A36	41
5.6	6	rectangular flancher	oseg_zswh_rectangular-flancher.ipt	Production	steel C45	42
5.7	2	steel-pipe 50x50x1067	DIN (50 x 50 x 2.5) 00000020.ipt	Production	steel A36	43
5.8	2	steel-pipe 50x50x784	DIN (50 x 50 x 2.5) 00000028.ipt	Production	steel A36	44
5.9	2	steel-pipe 50x50x400	DIN (50 x 50 x 2.5) 00000022.ipt	Production	steel A36	45
5.10	2	steel-pipe 50x50x810	DIN (50 x 50 x 2.5) 00000025.ipt	Production	steel A36	46
5.11	2	steel-pipe 50x50x1081	DIN (50 x 50 x 2.5) 00000019.ipt	Production	steel A36	47
5.12	2	steel-pipe 50x50x1290	DIN (50 x 50 x 2.5) 00000016.ipt	Production	steel A36	48
5.13	2	steel-pipe 50x50x500	DIN (50 x 50 x 2.5) 00000023.ipt	Production	steel A36	49
6.0	1	base collector	oseg_zswh_base-collector.iam		inclination depends on	50
			5		the region	
6.1	2	steel-pipe 50x50x330	oseg_zswh_steel-pipe 50x50x330.ipt		steel A36	51
6.2	2	steel-pipe 50x50x600	oseg_zswh_steel-pipe 50x50x600.ipt		steel A36	52
6.3	2	steel-pipe 50x50x800	oseg_zswh_steel-pipe 50x50x800.ipt	Production	steel A36	53
6.4	2	steel-pipe 50x50x2300	oseg_zswh_steel-pipe 50x50x2300.ipt	Production	steel A36	54

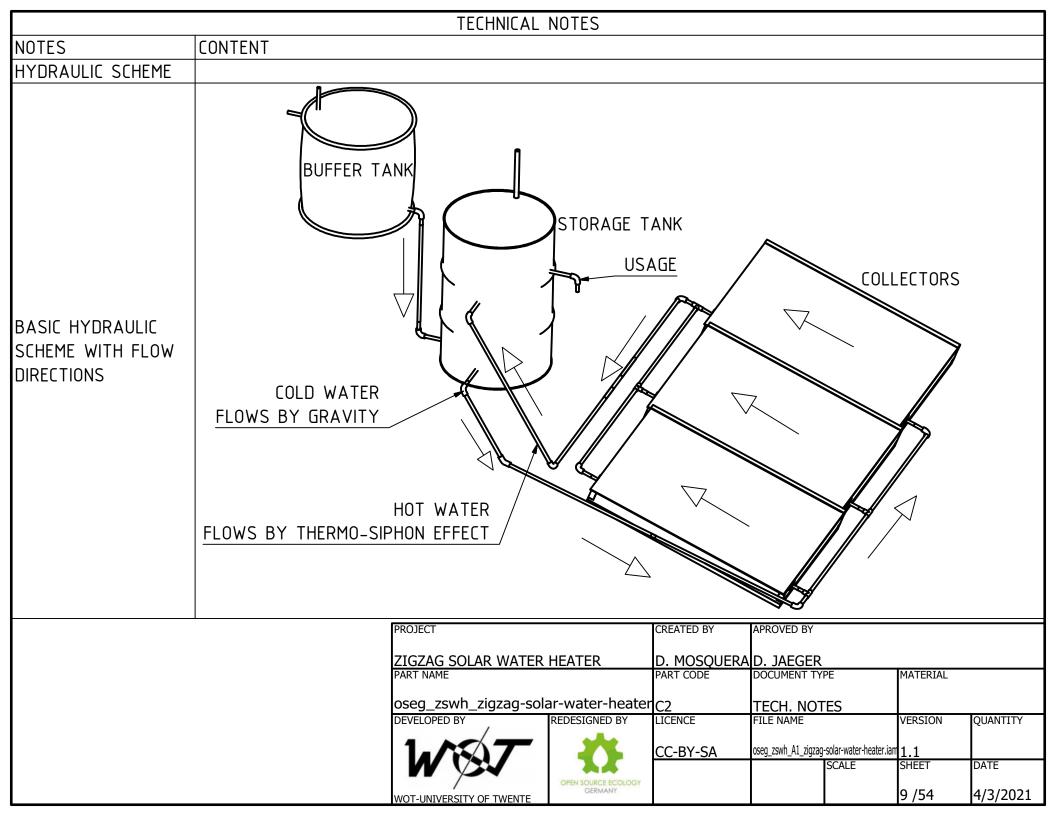
PROJECT	CREATED BY	APROVED BY	APROVED BY				
ZIGZAG SOLAR WA ⁻	D. MOSQUER	A D. JAEGER	AEGER				
		PART CODE	DOCUMENT T	YPE	MATERIAL		
		В3	PART LIST	Γ			
DEVELOPED BY	REDESIGNED BY	LICENCE	FILE NAME		VERSION	QUANTITY	
140507	- JAC	CC-BY-SA			1.1		
W VSV	7.4			SCALE	SHEET	DATE	
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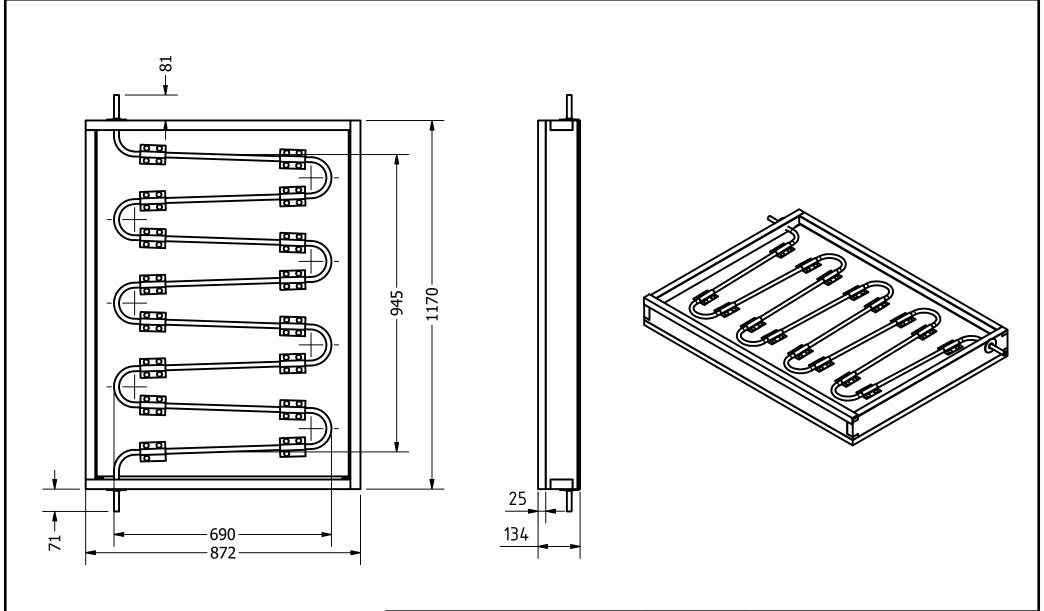
	DADTITOT								
				PART LIST					
POS	POS.OLD	QTY	PART NAME	FILE NAME	PART TYPE	SPECS	SHT		
7.0			pipe fitting and						
7.0			accesories						
7 1	6	6	galvanised pipe 1/2" x	oseg_zswh_galvanised-pipe-1/2"x45	Ctandard	galv. iron			
7.1		1		450	0.ipt	Standard	gaiv. II Oi i		
7.2	7.0		2	3	galvanised pipe 1/2" x	oseg_zswh_galvanised-pipe-1/2"x60	Ctandard	galy iron	
/.2		3	600	0.ipt	Standard	galv. iron			
7.3		1	2	galvanised pipe 1/2" x	oseg_zswh_galvanised-pipe-1/2"x83	Ctandard	galv. iron		
/.3		2	830	0.ipt	Standard	gaiv. IIOII			
7.4		10	galvanised elbow	oseg_zswh_galvanised-elbow-1/2"-9	Ctandard	galv. iron			
7.4		10	1/2"-900	0.ipt	Standard	gaiv. II Oi i			
7.5		1	galvanised tee	oseg_zswh_galvanised-tee-1/2"-90.i	Ctorodoud	galy iron			
7.5		4	1/2"-900	pt	Standard	galv. iron			

PROJECT		CREATED BY	APROVED BY				
ZIGZAG SOLAR WATER	D. MOSQUERA	D. JAEGER					
		PART CODE	DOCUMENT TY	PΕ	MATERIAL		
		B4	PART LIST				
DEVELOPED BY	REDESIGNED BY	LICENCE	FILE NAME		VERSION	QUANTITY	
1.05/7	3/4	CC-BY-SA			1.1		
W VSV	***			SCALE	SHEET	DATE	
WOT-UNIVERSITY OF TWENTE	OPEN SOURCE ECOLOGY GERMANY				7 /54	4/3/2021	

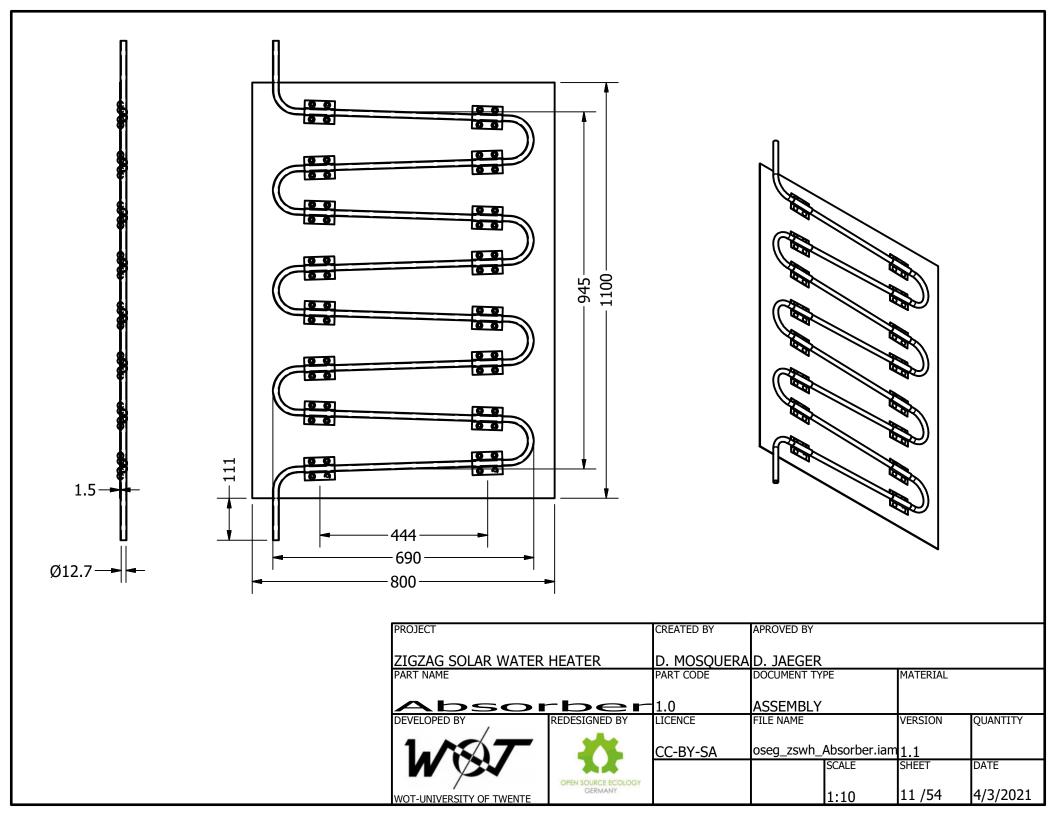
	TECHNICAL NOTES
NOTES	CONTENT
General notes	
	Iron structures should be painted to prevent rust and improve equipment life.
	- Remove loose rust with a wire brush, sandpaper or chemical rust remover.
Metal structure	- If applicable, sand areas where paint is chipping until surface is smooth.
treatment	- Remove dust or oil with a degreaser or denatured alcohol.
Treatment	- Prime surface to protect against rust and corrosion.
	Inside the absorber: After the paint or primer, paint the topside with two layers of dull blackboard
	paint.
Foundations	- The ground must be stable and have a low water table.
	- The structure must be fixed on firm concrete soil or on poured footings with steel reinforcement.
fixing	– The anchorage can be bolted with expansive ramplugs or welded.
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	- The wood must be treated with pesticides and kiln-dried to ensure adequate humidity.
Wood treatment	- Wood sealer should be applied for later use.
l-sulption	For thermal insulation material, the following can be used, among others:
Insulation	– polystyrene, – fiberglass, – empty bags of fibre with sawdust, – Coconut-fibre.
material	With good radiation and thermal insulation, the system can produce water between 40 and 70 °C.
	– A wooden frame is needed to support the iron parts of the pipe bending set.
	- Bend gradually without forcing the set.
Tuba banding	- The horizontal pieces of the pipe should be slightly inclined upwards to avoid airlocks.
Tube bending	- Use a water pump plier to prevent that the pipe slips away during the bending activity.
	- After bending the pipe, it will spring back. To keep the right angle in between the bends, you have
	to measure 12 cm. (in the middle).

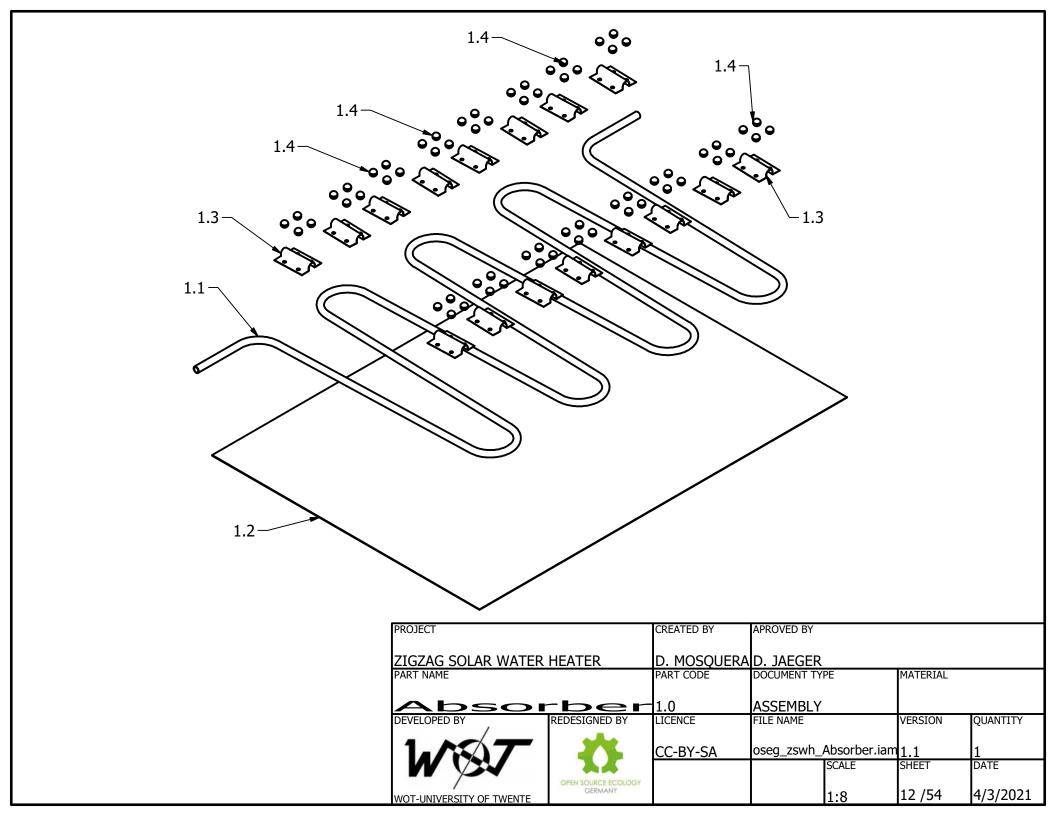
PROJECT		CREATED BY	APROVED BY				
ZIGZAG SOLAR WATER	HEATER	D. MOSQUERA	AD. JAEGER				
PART NAME		PART CODE	DOCUMENT TYPE	MATERIAL			
		C1	TECH NOTES				
DEVELOPED BY	REDESIGNED BY	LICENCE	FILE NAME	VERSION	QUANTITY		
14/55/7	2/4	CC-BY-SA		1.1			
W VSV	A.A.		SCAL	E SHEET	DATE		
WOT-UNIVERSITY OF TWENTE	OPEN SOURCE ECOLOGY GERMANY			8 /54	4/3/2021		

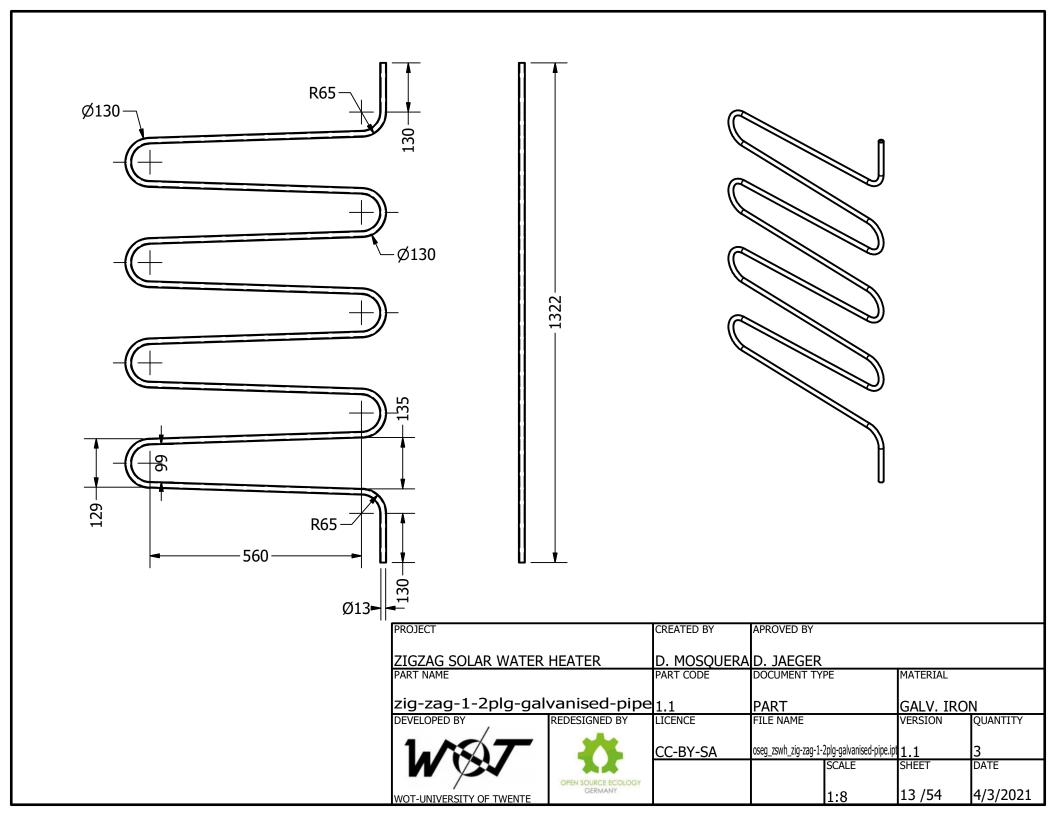


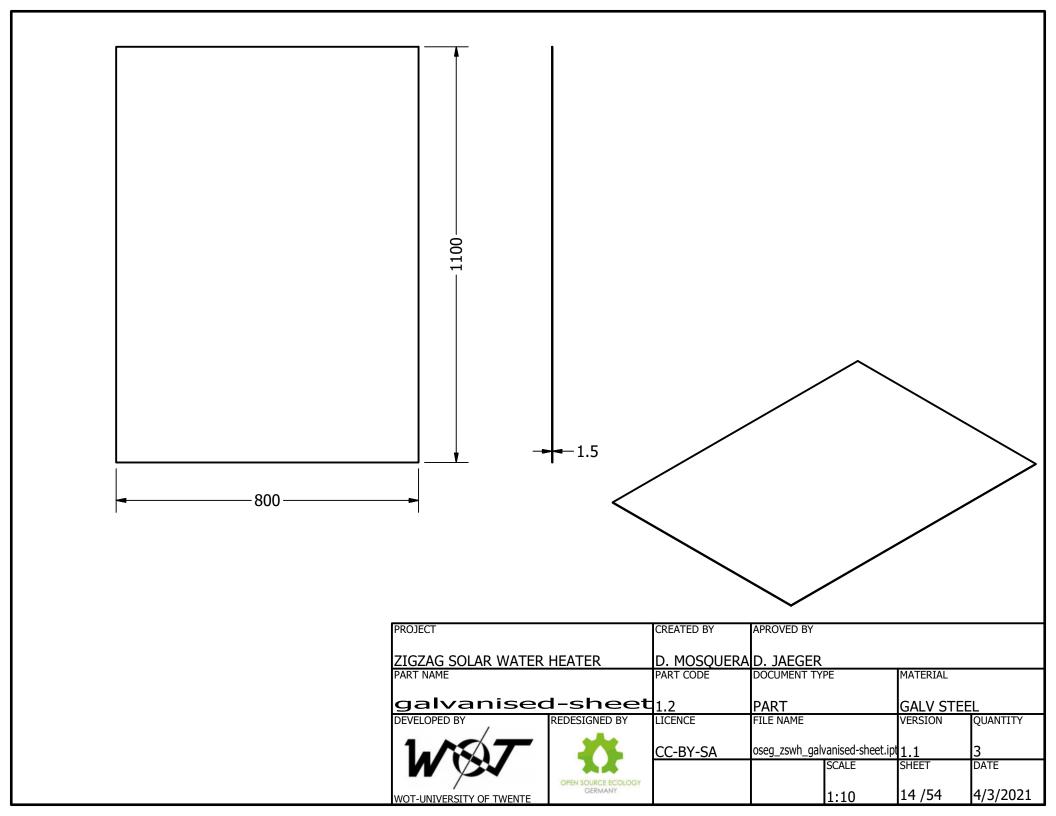


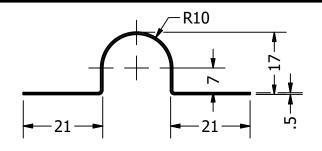
PROJECT		CREATED BY	APROVED BY				
ZIGZAG SOLAR WATER	HEATER	D. MOSQUERA					
PART NAME		PART CODE	DOCUMENT TYPE	MATERIAL			
absorber-c	ollector	1-2	ASSEMBLY				
DEVELOPED BY	REDESIGNED BY	LICENCE	FILE NAME	VERSION	QUANTITY		
14/55/7	2/4	CC-BY-SA	oseg_zswh_absorber-collector.i		1		
			SCALE	SHEET	DATE		
WOT-UNIVERSITY OF TWENTE	OPEN SOURCE ECOLOGY GERMANY		1:12	10 /54	4/3/2021		

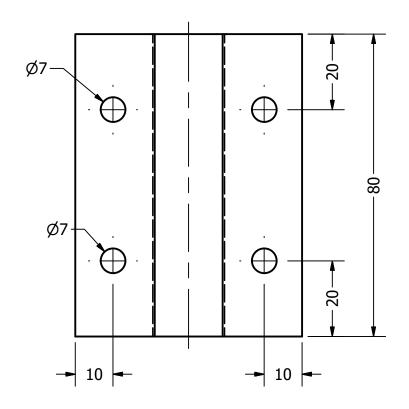


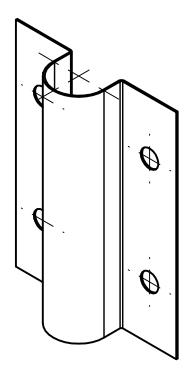






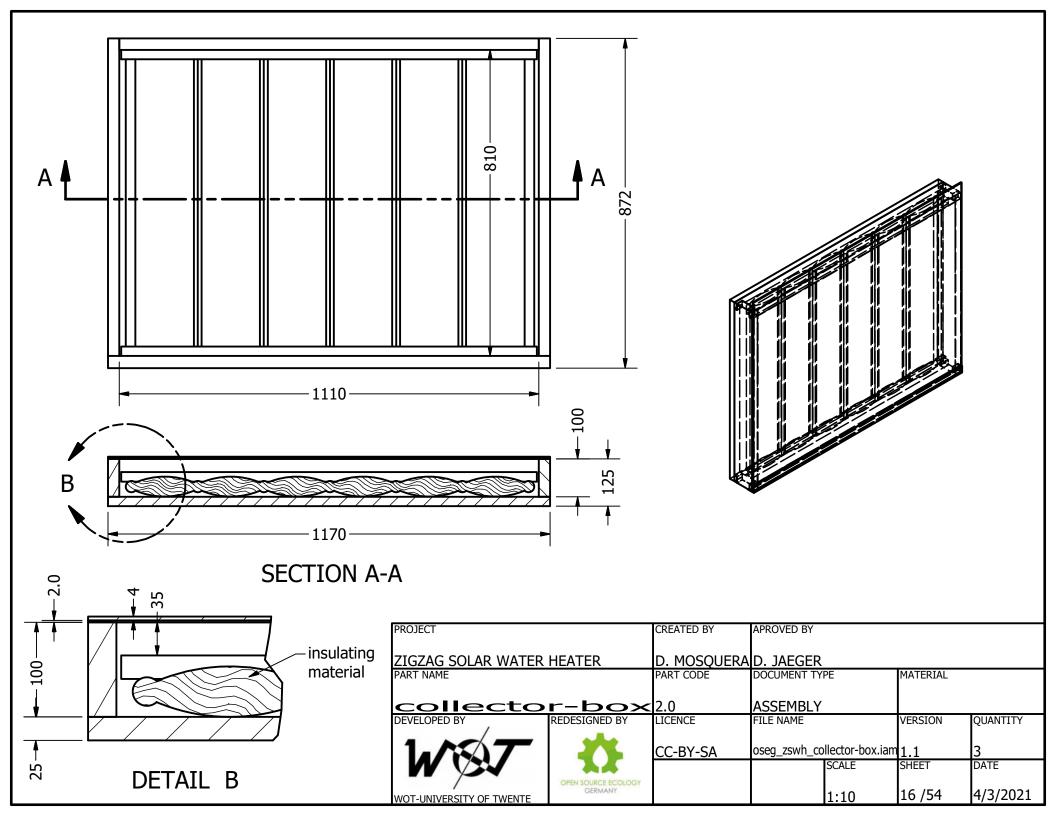


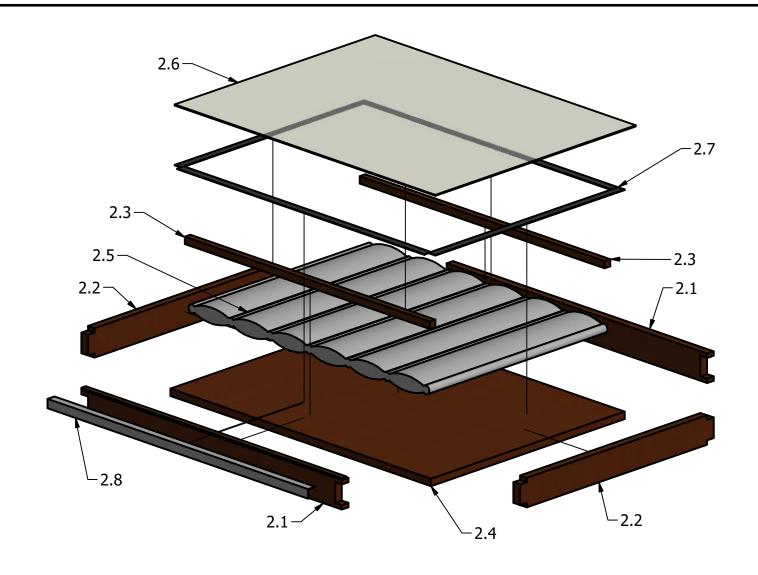




NOTE: Long. = 90.0

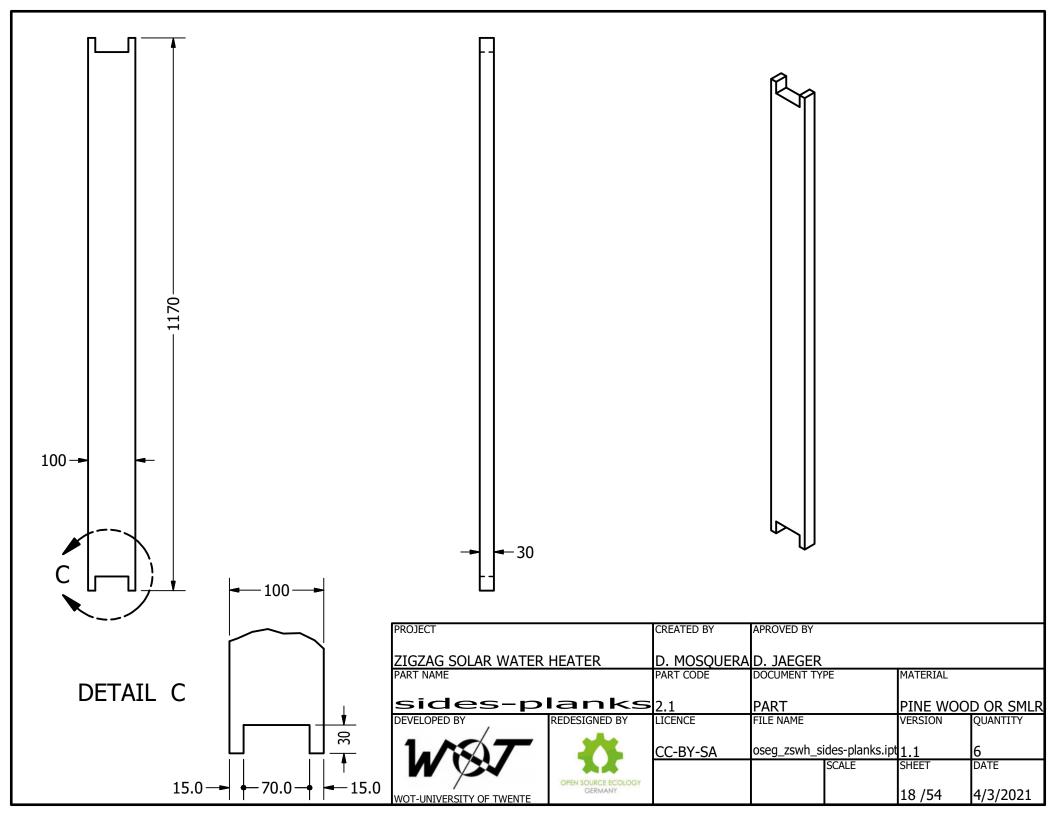
PROJECT		CREATED BY	APROVED BY				
ZIGZAG SOLAR WATER HEATER		D. MOSQUERA	D. JAEGER				
PART NAME		PART CODE	DOCUMENT TYPE	MATERIAL			
saddles		1.3	PART				
DEVELOPED BY	REDESIGNED BY	LICENCE	FILE NAME	VERSION	QUANTITY		
14/55/7	3/4	CC-BY-SA	oseg_zswh_saddle	es.ipt 1.1	16		
VV \/3\/	24		SCALE	SHEET	DATE		
/ WOT-UNIVERSITY OF TWENTE	OPEN SOURCE ECOLOGY GERMANY		1:1	15 /54	4/3/2021		

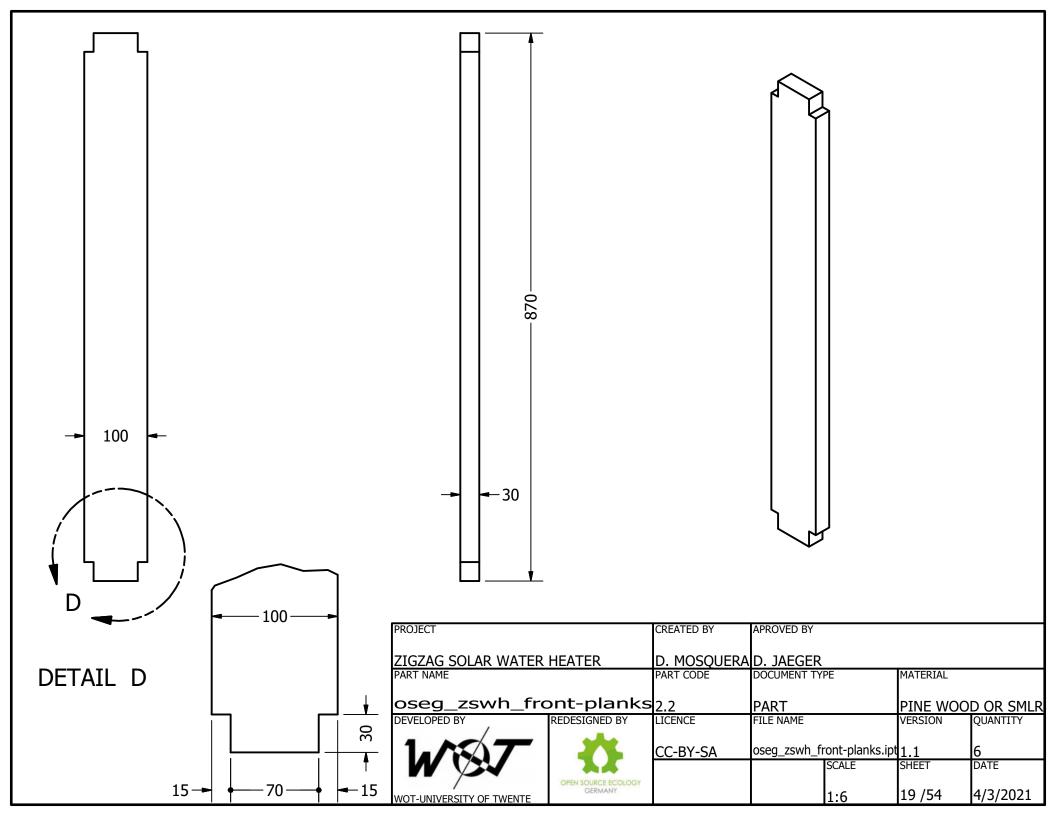


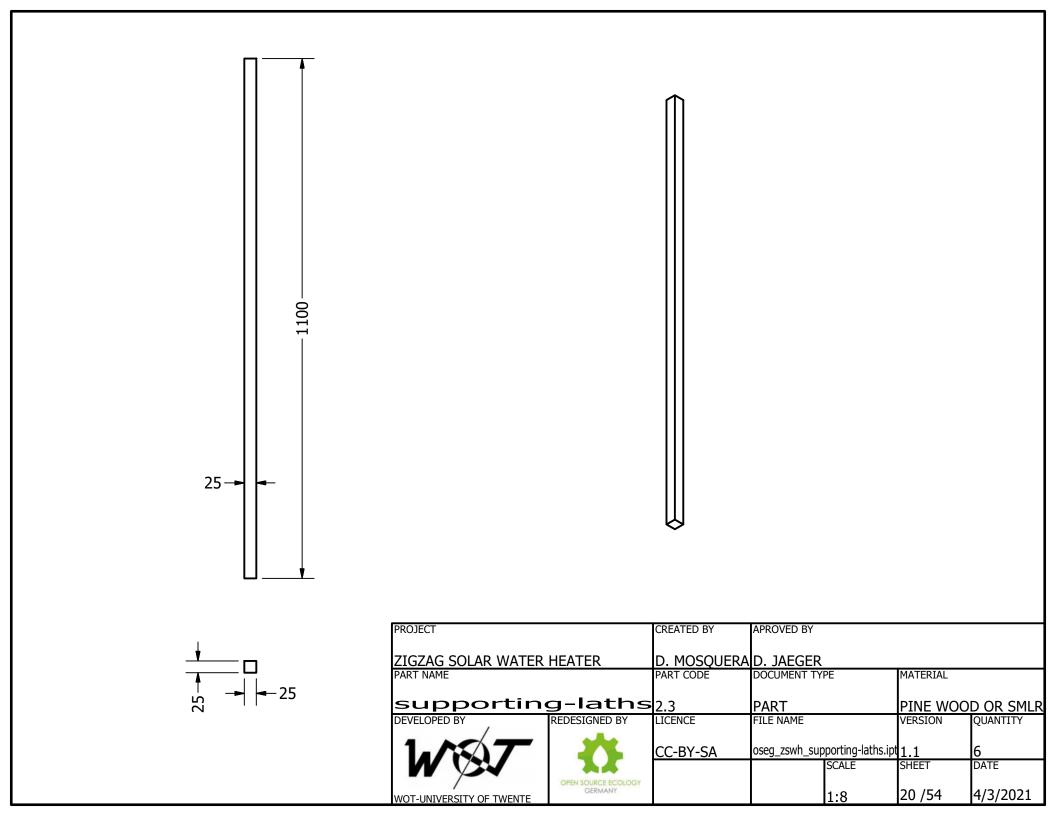


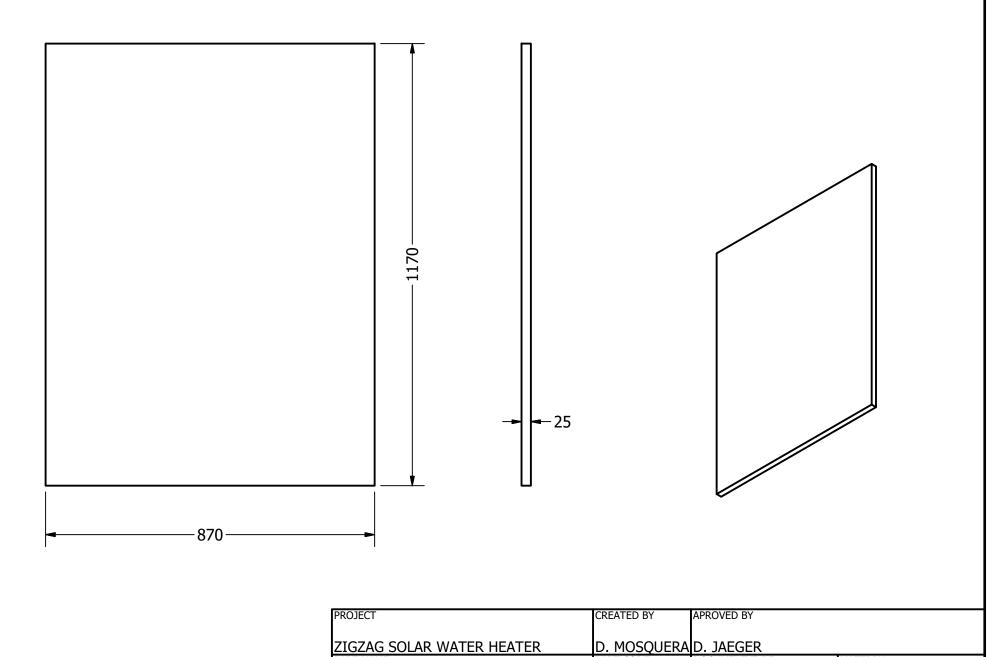
Zigzag Solar Water Heater collector box

PROJECT		CREATED BY	APROVED BY			
ZIGZAG SOLAR WATER	D. MOSQUERA	D. JAEGER				
PART NAME		PART CODE	DOCUMENT TYP	Ē	MATERIAL	
collector-box		2.0	ASSEMBLY			
DEVELOPED BY	REDESIGNED BY	LICENCE	FILE NAME		VERSION	QUANTITY
14/55/7	3/4	CC-BY-SA	oseg_zswh_col			3
N ASA	AA		:	SCALE	SHEET	DATE
/ WOT-UNIVERSITY OF TWENTE	OPEN SOURCE ECOLOGY GERMANY			1:12	17 /54	4/3/2021

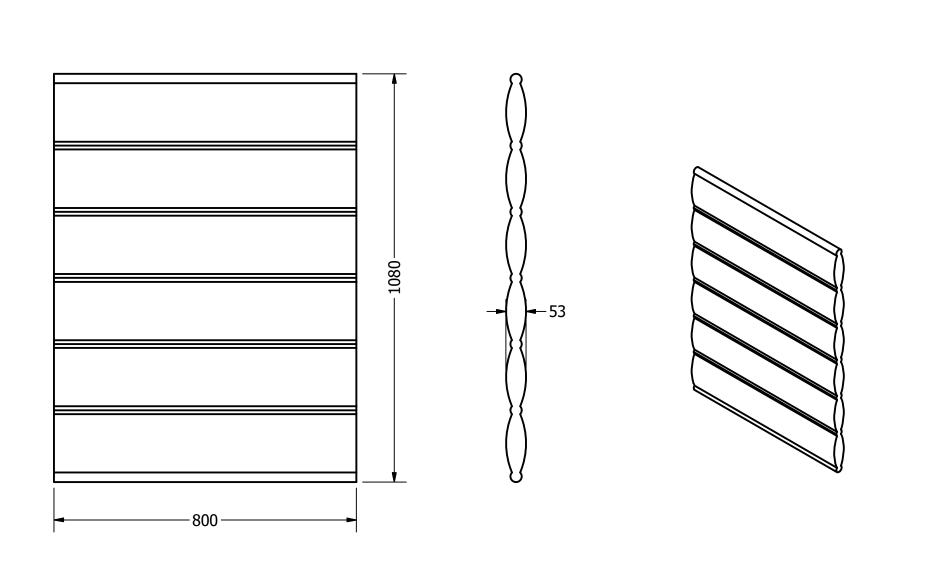




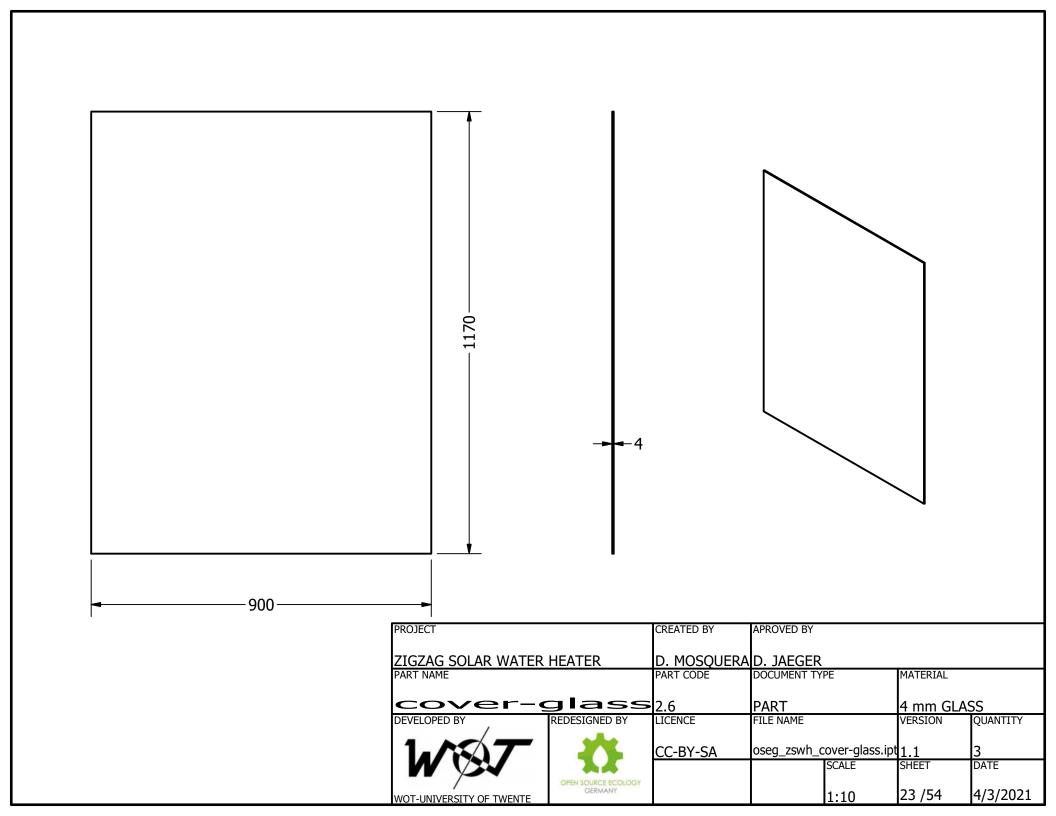


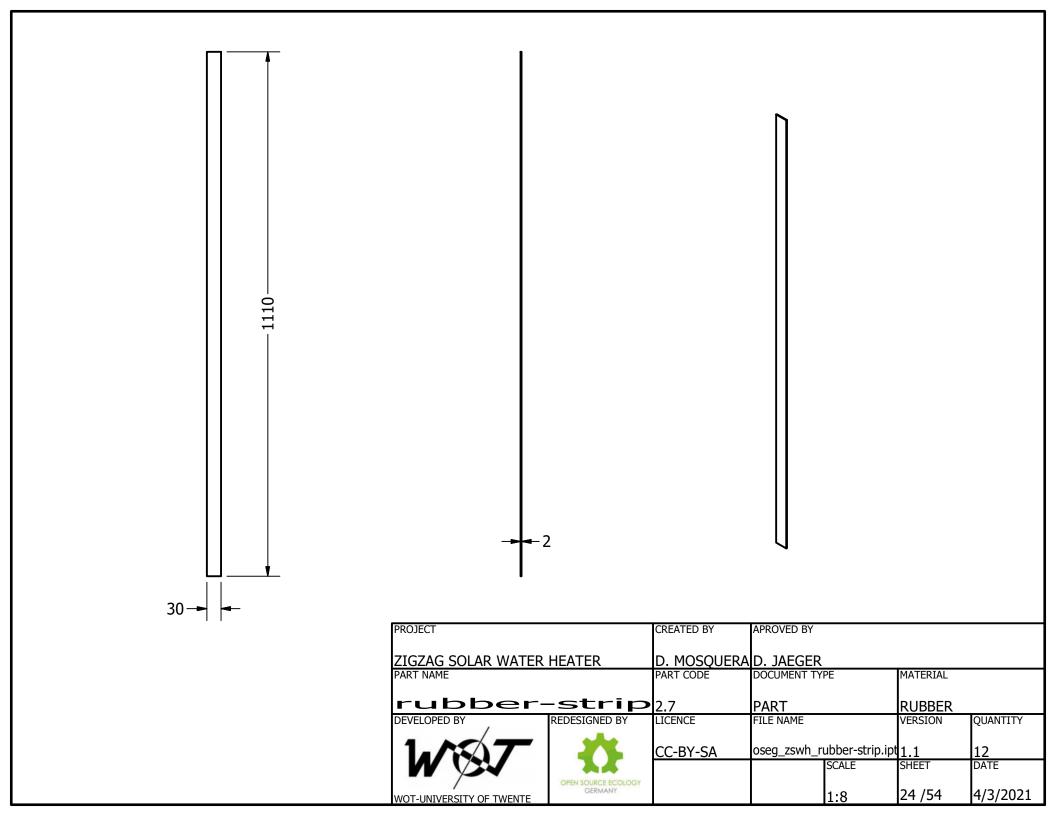


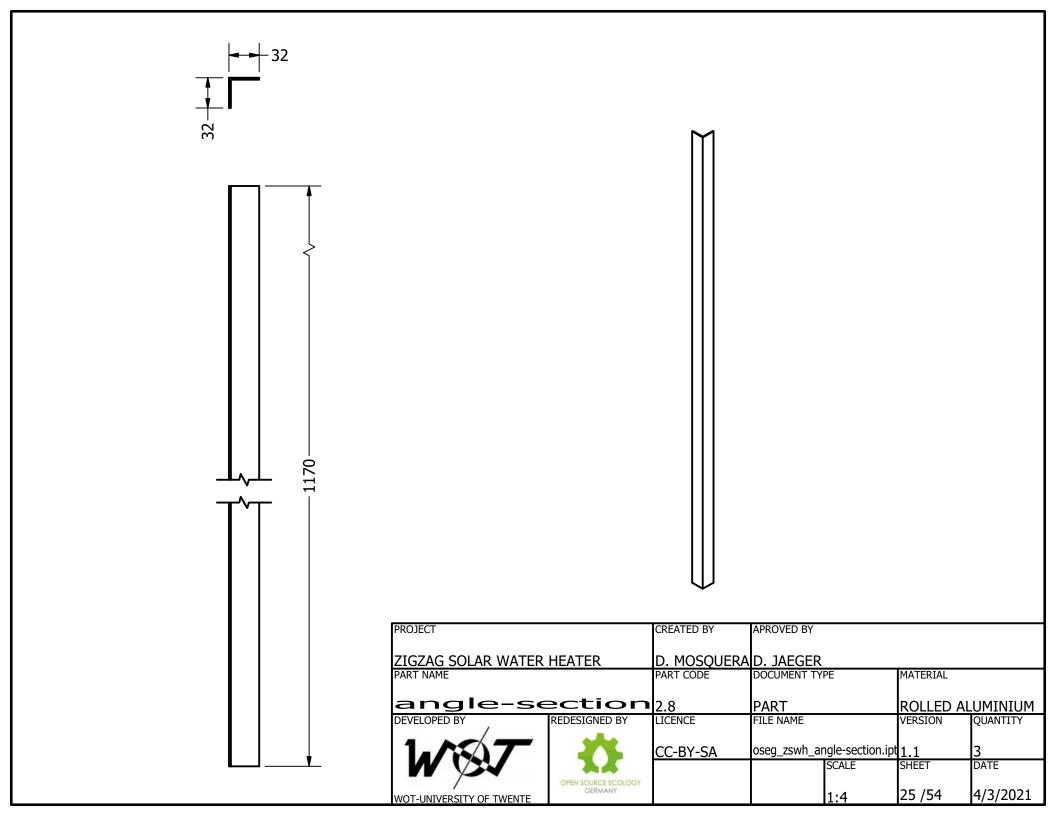
PROJECT		CREATED BY	APROVED BY	,	,		
ZICZAC COLAD WATER	TICZA C COL AD WATER LIEATER		D JAECED				
ZIGZAG SOLAR WATER		D. MOSQUERA					
PART NAME		PART CODE	DOCUMENT TYPE	MATERIAL			
	,	1 '	1	1			
bottom-	plank	2.4	PART	PINE WOOD OR SMLR			
DEVELOPED BY	REDESIGNED BY	LICENCE	FILE NAME	VERSION	QUANTITY		
140507	*	CC-BY-SA	oseg_zswh_bottom-plank.ipt	1.1	3		
			SCALE	SHEET	DATE		
	OPEN SOURCE ECOLOGY GERMANY		1	34 /54	4/2/2021		
WOT-UNIVERSITY OF TWENTE	303003-0-1-1-1	<u> </u>	1:10	21 /54	4/3/2021		

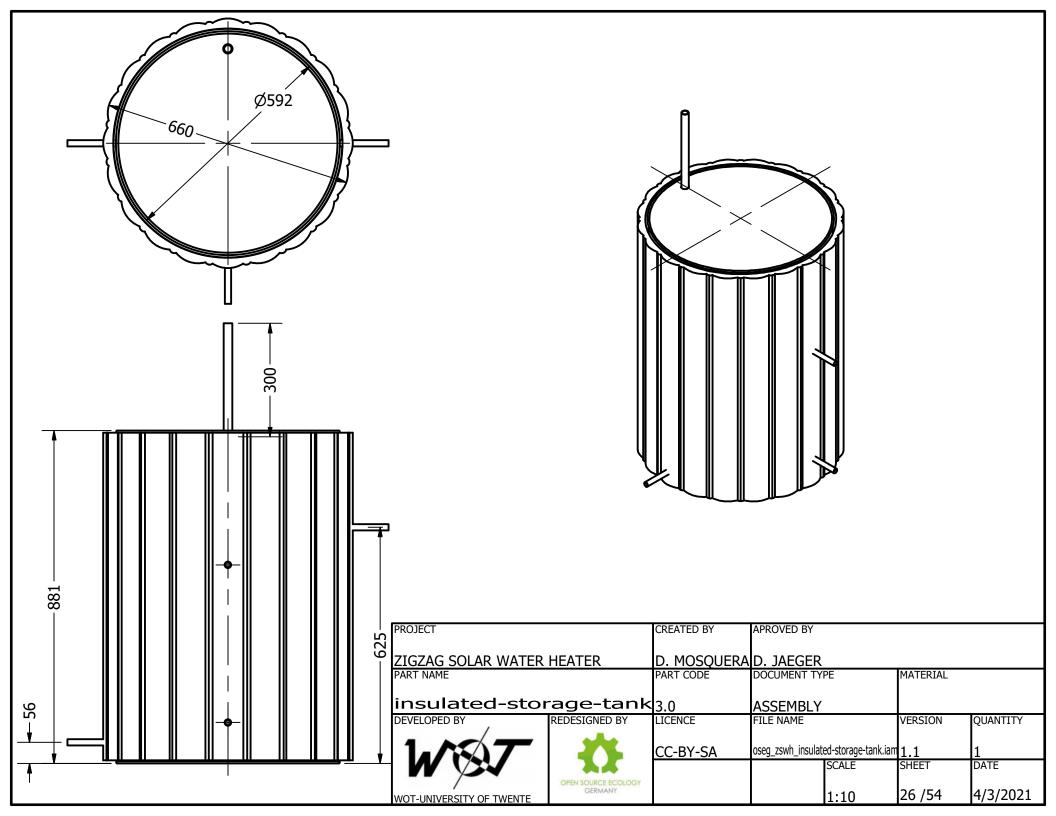


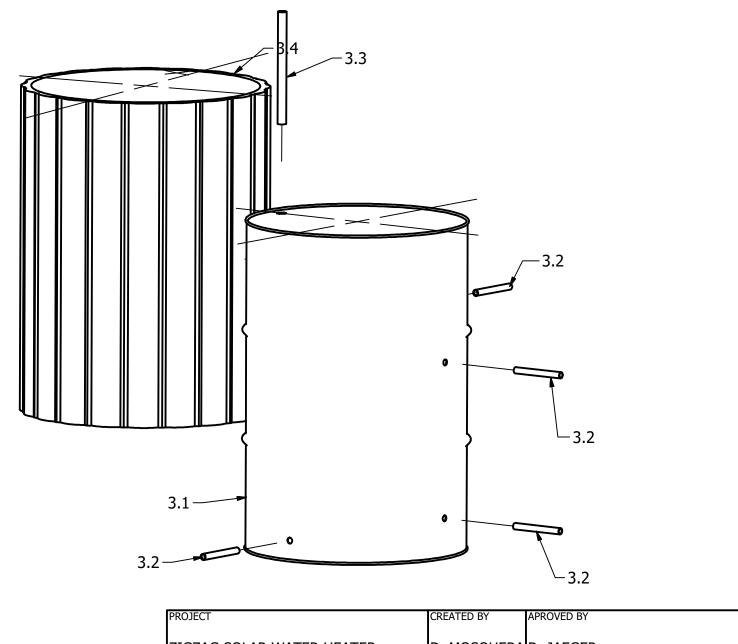
PROJECT		CREATED BY	APROVED BY			
ZIGZAG SOLAR WATER	ZIGZAG SOLAR WATER HEATER		D. JAEGER			
PART NAME	PART NAME		DOCUMENT TY	PE	MATERIAL	
oseg_zswh_insulat	oseg_zswh_insulating-material		PART		SEE TECH. NOTES	
DEVELOPED BY	REDESIGNED BY	LICENCE	FILE NAME		VERSION	QUANTITY
14/55/7	2/4	CC-BY-SA	oseg_zswh_insul			3
	AA			SCALE	SHEET	DATE
WOT-UNIVERSITY OF TWENTE	OPEN SOURCE ECOLOGY GERMANY			1:10	22 /54	4/3/2021



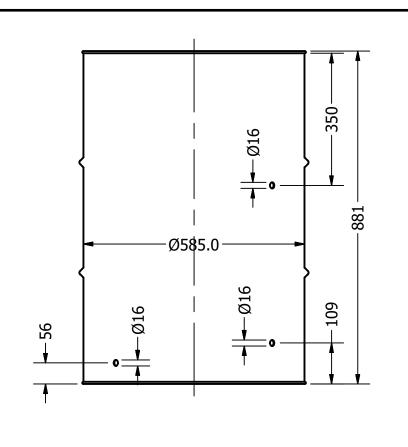


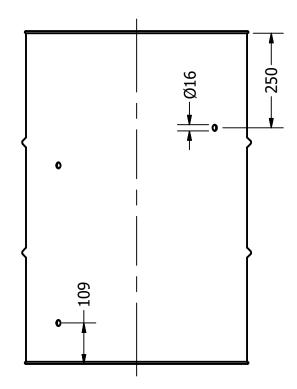


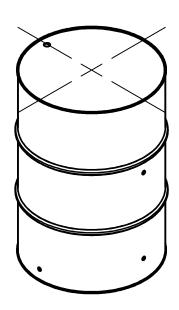


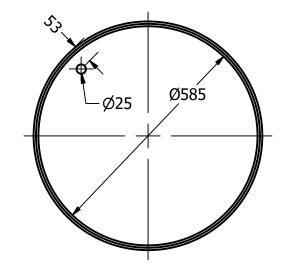


PROJECT		CREATED BY	APROVED BY			
ZIGZAG SOLAR WATER	HEATER	D. MOSQUERA	D. JAEGER			
PART NAME		PART CODE	DOCUMENT TYPE	MATERIAL		
insulated-sto	insulated-storage-tank		ASSEMBLY			
DEVELOPED BY	REDESIGNED BY	LICENCE	FILE NAME	VERSION	QUANTITY	
14/55/7	3/4	CC-BY-SA	oseg_zswh_insulated-storage-tank.ia	1.1	1	
VV VSV			SCALE	SHEET	DATE	
WOT-UNIVERSITY OF TWENTE	OPEN SOURCE ECOLOGY GERMANY		1:10	27 /54	4/3/2021	

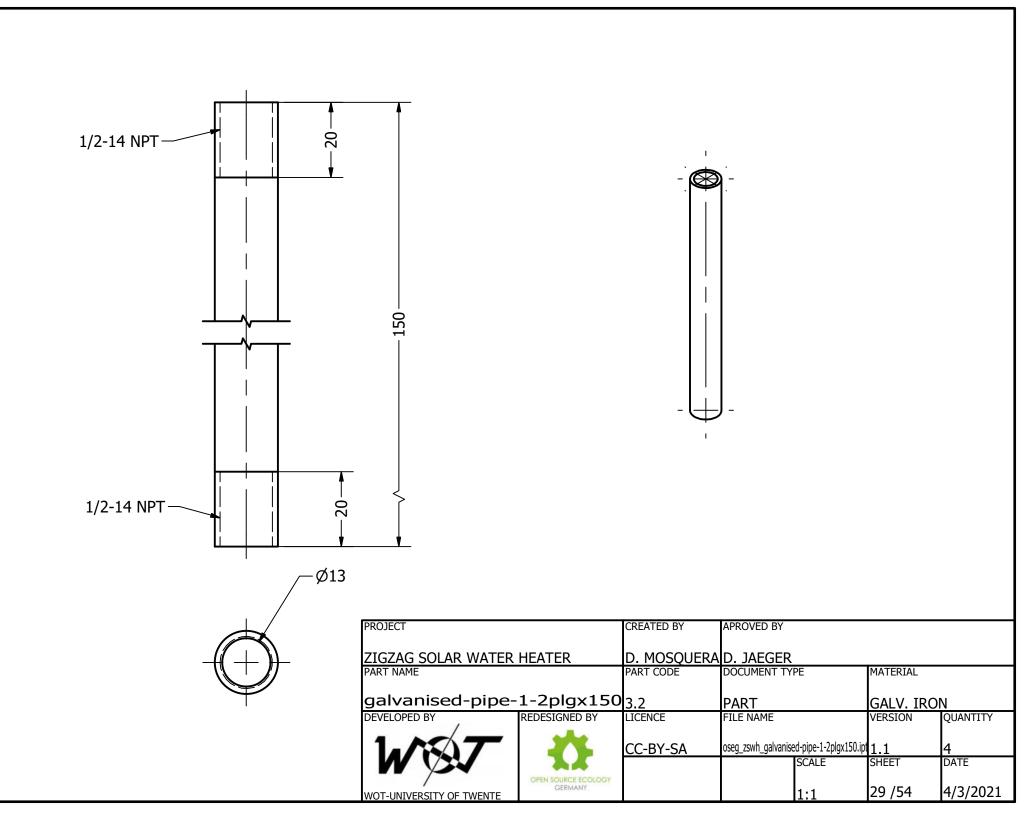


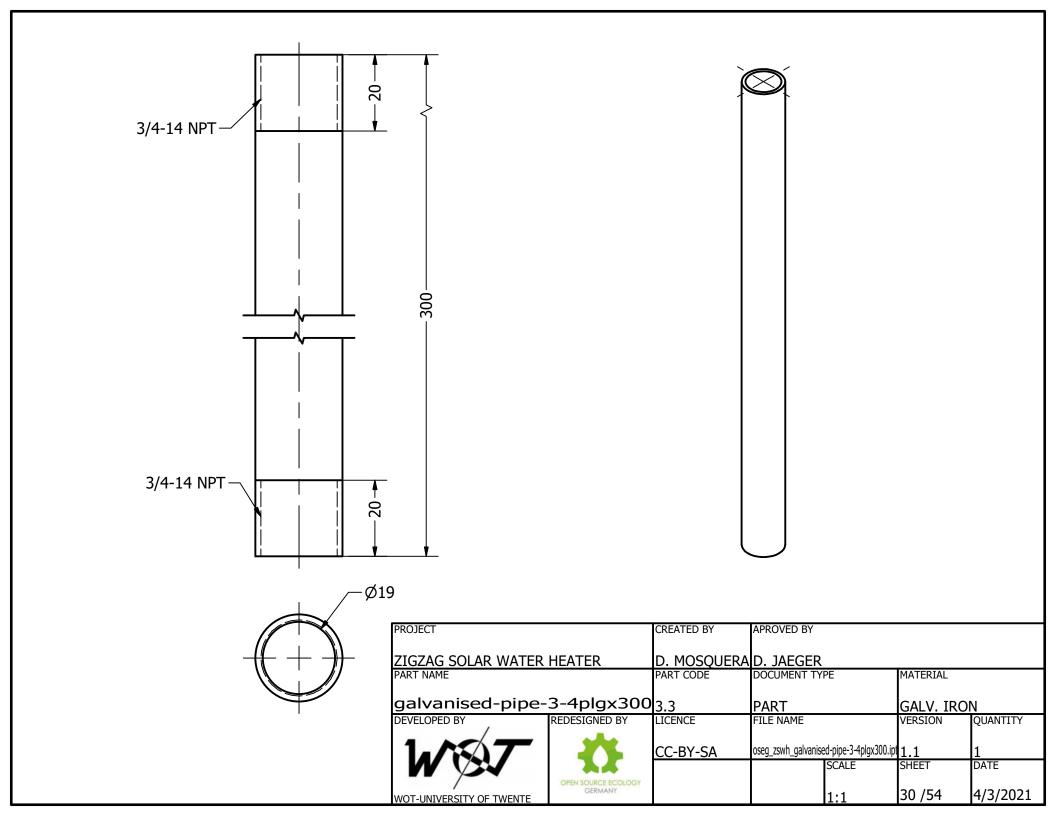


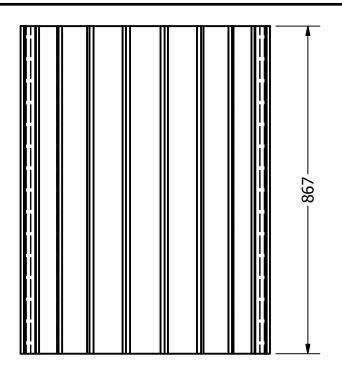


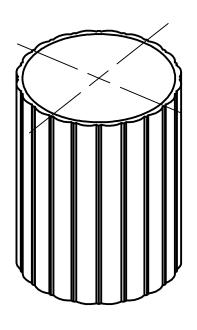


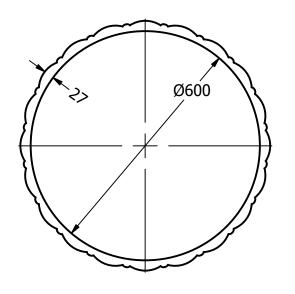
PROJECT		CREATED BY	APROVED BY			
ZIGZAG SOLAR WATER	ZIGZAG SOLAR WATER HEATER					
PART NAME	PART NAME		DOCUMENT TYPE		MATERIAL	
Barril Est	Barril Estandar		PART		ROLLED STEEL	
DEVELOPED BY	REDESIGNED BY	LICENCE	FILE NAME		VERSION	QUANTITY
1.05/7	3/4	CC-BY-SA	oseg_zswh_sto	orage-tank.ipt	1.1	1
				SCALE	SHEET	DATE
WOT-UNIVERSITY OF TWENTE	OPEN SOURCE ECOLOGY GERMANY			1:10	28 /54	4/3/2021



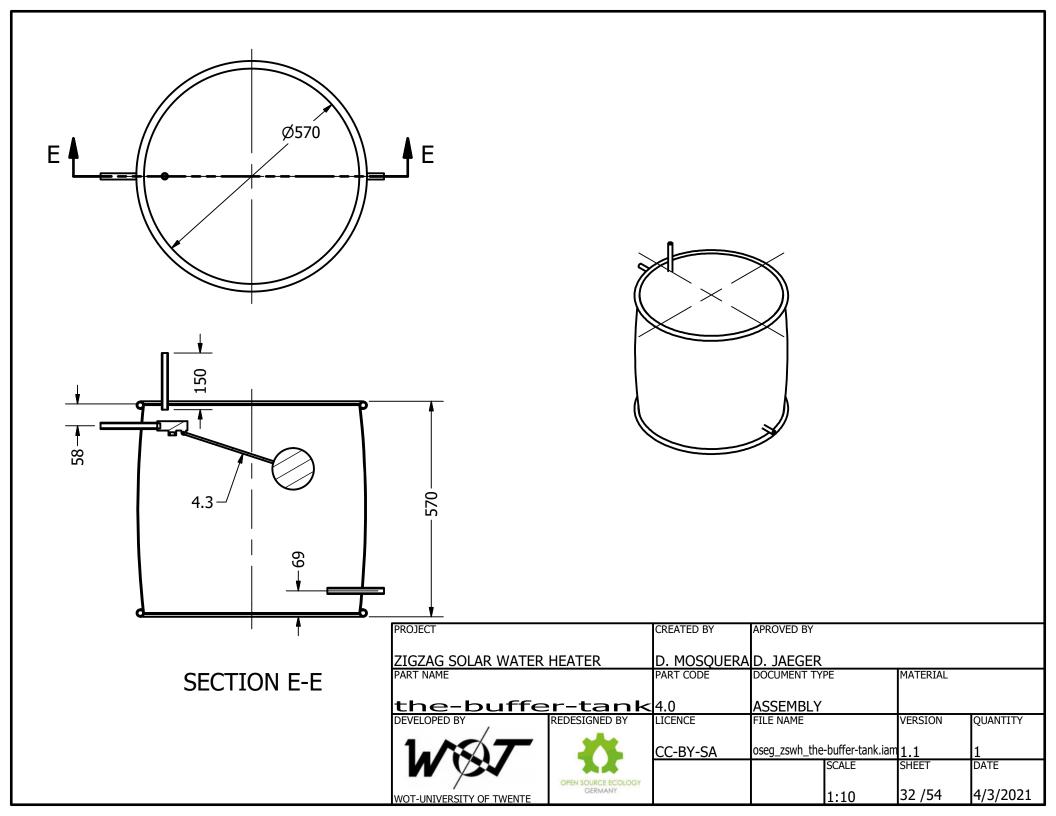


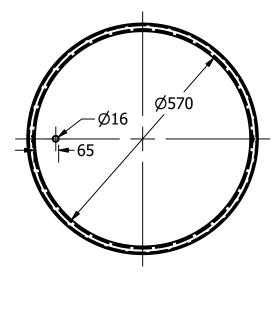


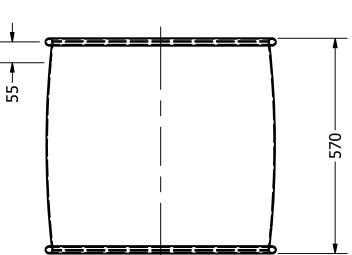


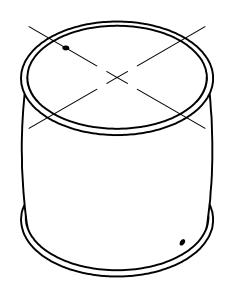


PROJECT		CREATED BY	APROVED BY		
ZIGZAG SOLAR WATER	HEATER	D. MOSQUERA	D. JAEGER		
PART NAME			DOCUMENT TYPE	MATERIAL	
insulating-material2		3.4	PART	SEE NOTE	S
DEVELOPED BY	REDESIGNED BY	LICENCE	FILE NAME	VERSION	QUANTITY
140507	3/4	CC-BY-SA	oseg_zswh_insulating-materia	2.ipt 1.1	1
W VSV			SCALE	SHEET	DATE
WOT-UNIVERSITY OF TWENTE	OPEN SOURCE ECOLOGY GERMANY		1:10	31 /54	4/3/2021

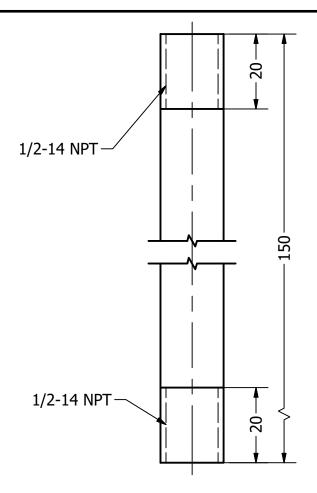


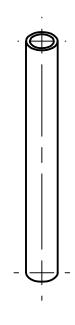


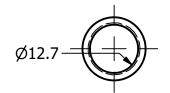




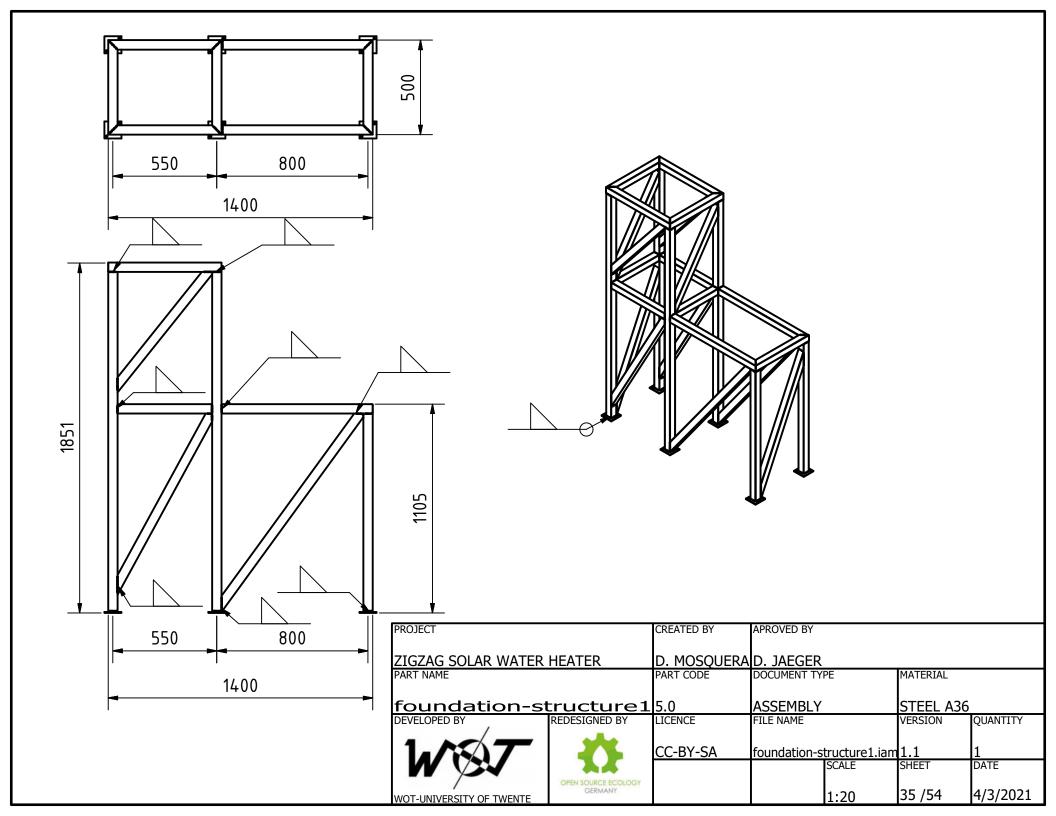
PROJECT		CREATED BY	APROVED BY			
ZIGZAG SOLAR WATER	HEATER	D. MOSQUERA	D. JAEGER			
PART NAME		PART CODE	DOCUMENT TY	PE	MATERIAL	
buffer-	buffer-tank		PART		ROLLED STEEL	
DEVELOPED BY	REDESIGNED BY	LICENCE	FILE NAME		VERSION	QUANTITY
14/55/7	3/4	CC-BY-SA	oseg_zswh_t	ouffer-tank.ipt	1.1	1
	AA			SCALE	SHEET	DATE
WOT-UNIVERSITY OF TWENTE	OPEN SOURCE ECOLOGY GERMANY			1:10	33 /54	4/3/2021

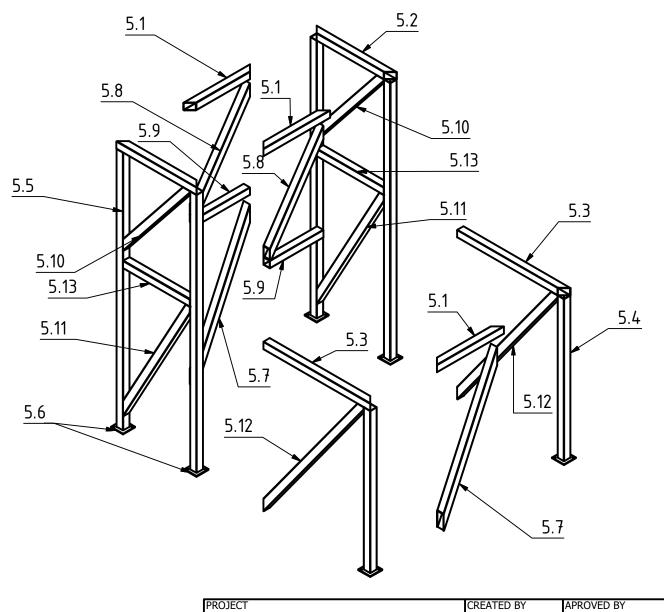




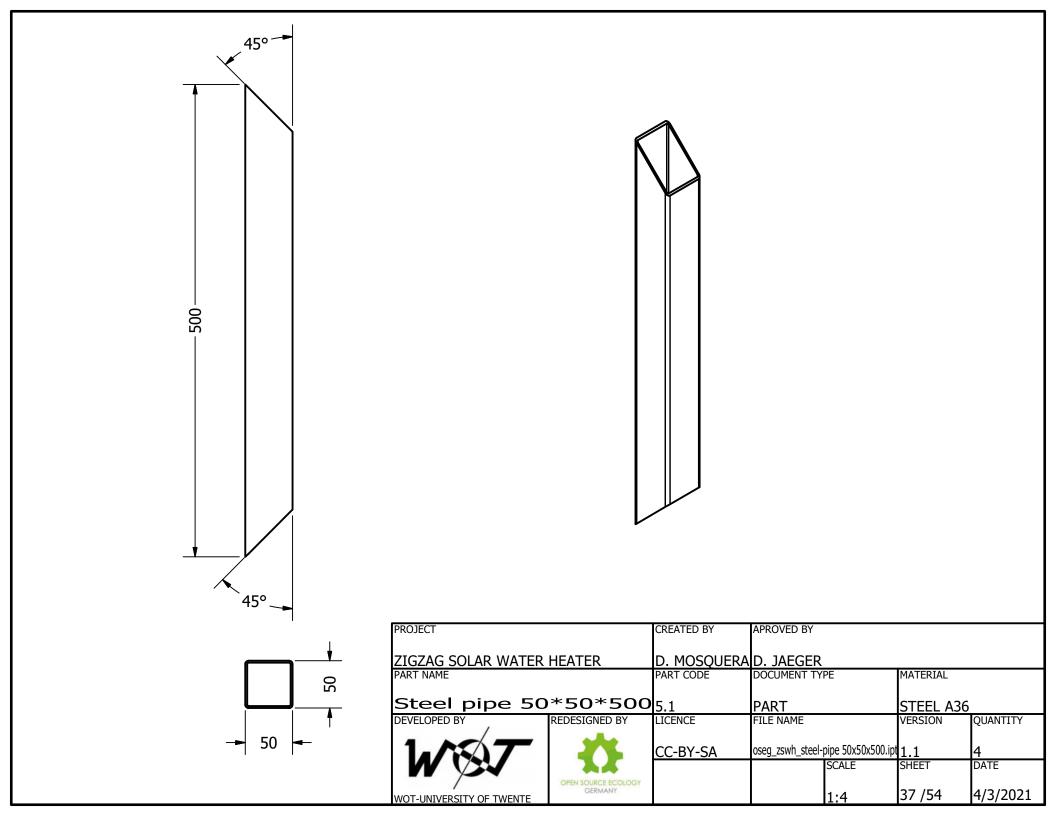


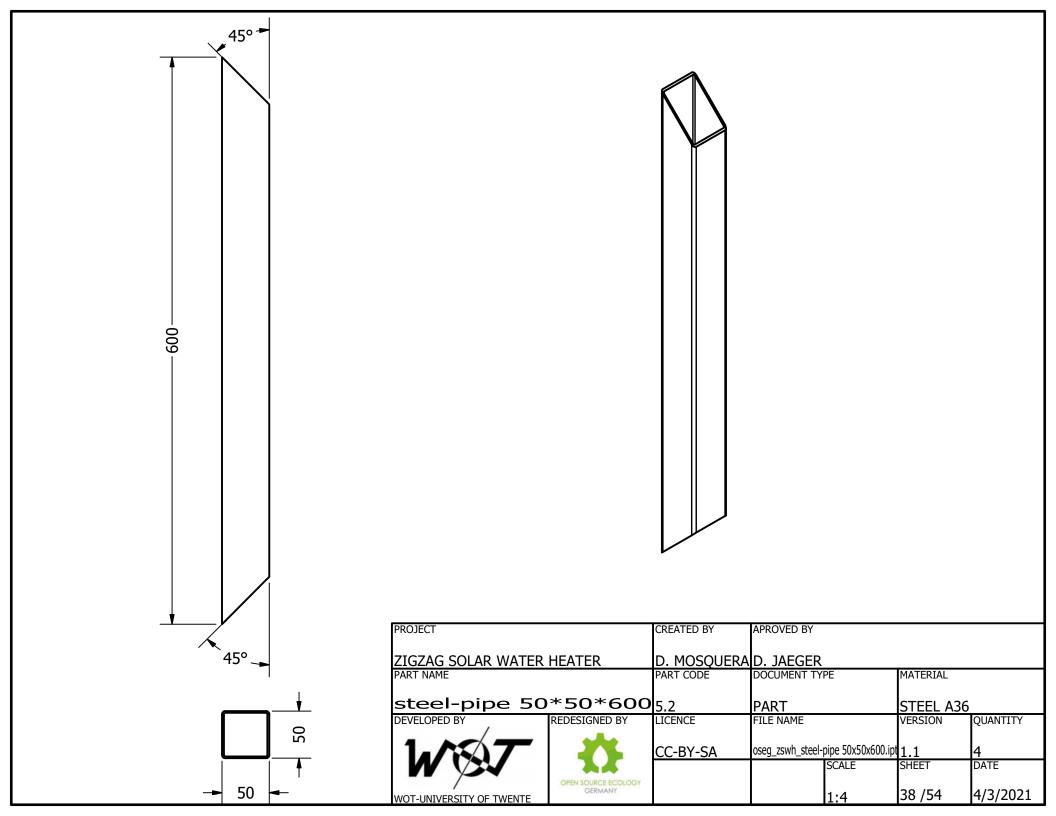
PROJECT		CREATED BY	APROVED BY			
ZIGZAG SOLAR WATER HEATER		D. MOSQUERA	D. JAEGER			
PART NAME		PART CODE	DOCUMENT TY	PE	MATERIAL	
galvanised-pipe-1-2plgx150		4.2	PART		GALV. IRON	
DEVELOPED BY	REDESIGNED BY	LICENCE	FILE NAME		VERSION	QUANTITY
1.05/7	3/4	CC-BY-SA	oseg_zswh_galvanise		1.1	4
	**			SCALE	SHEET	DATE
WOT-UNIVERSITY OF TWENTE	OPEN SOURCE ECOLOGY GERMANY			1:1	34 /54	4/3/2021

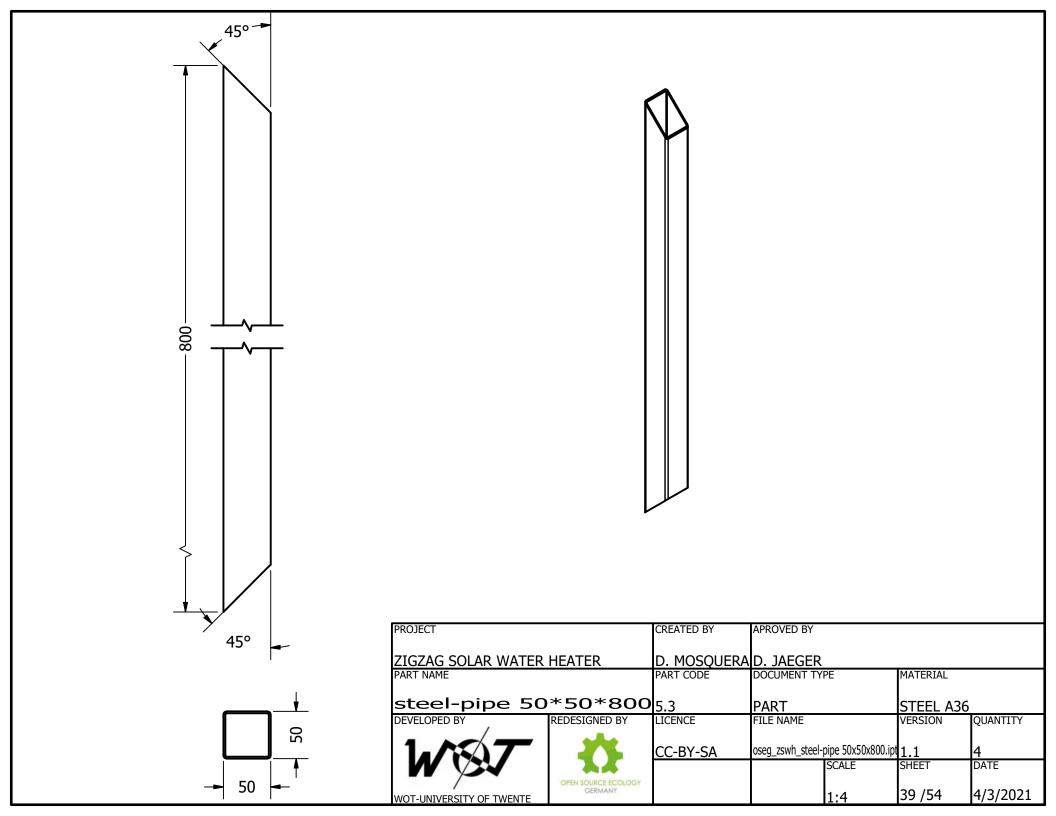


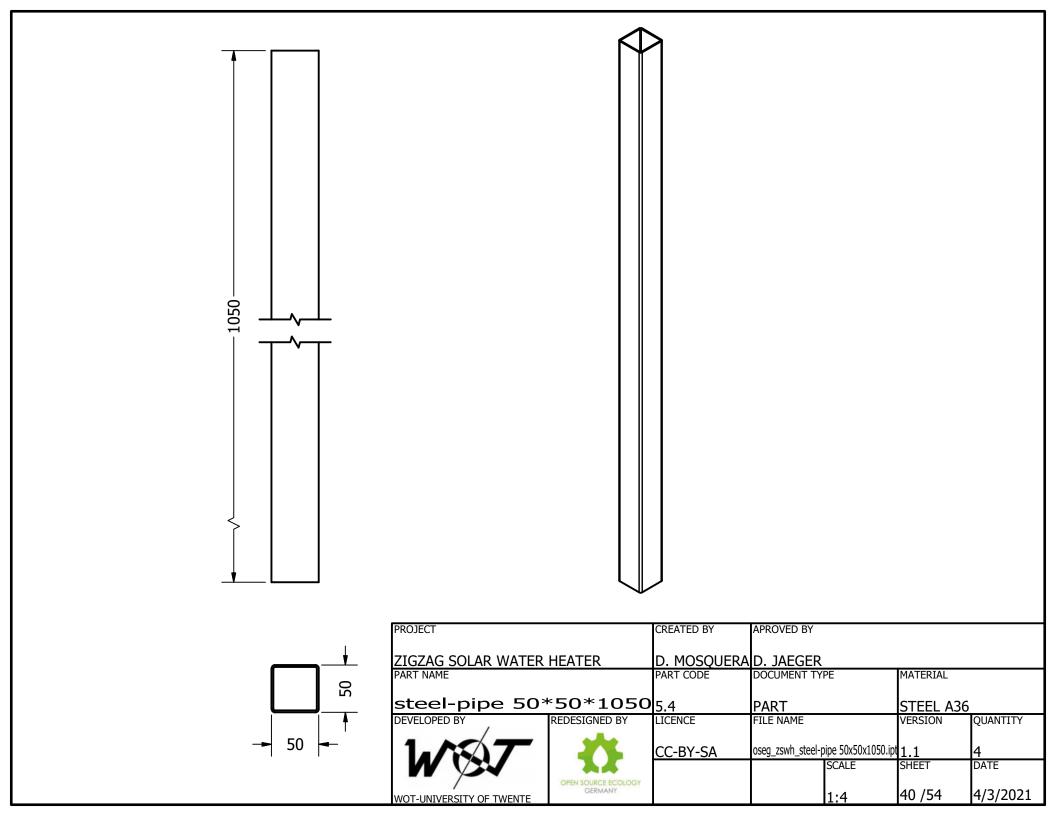


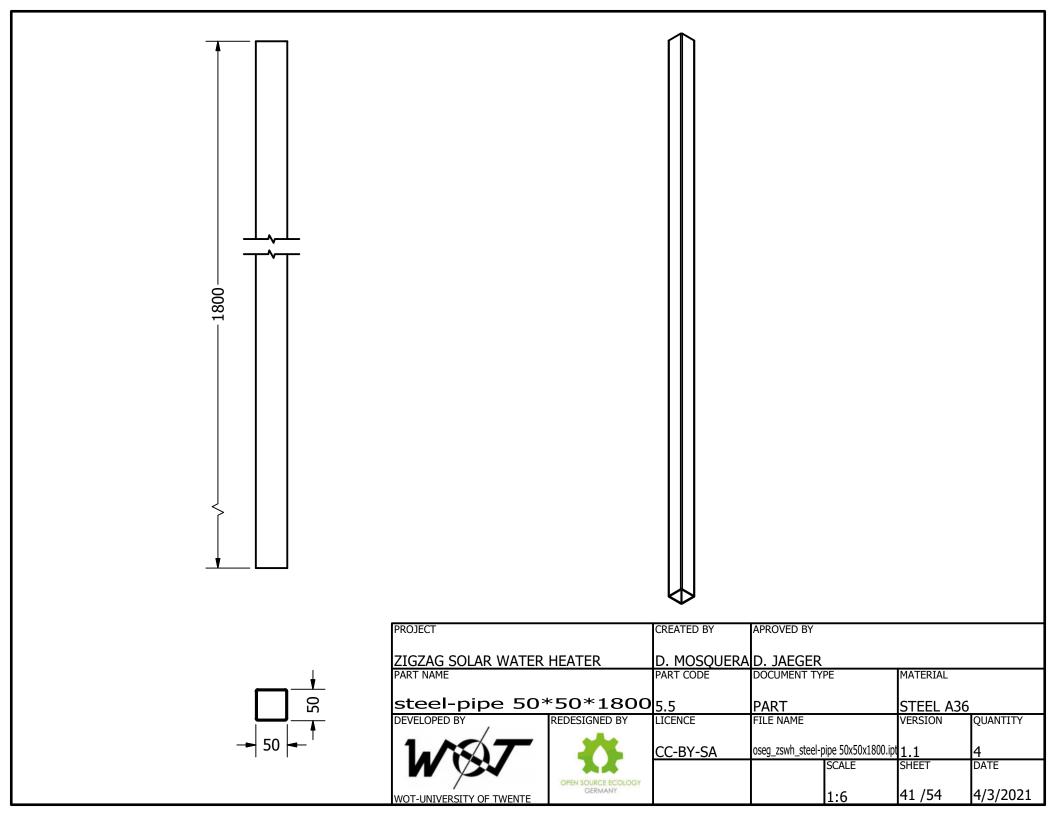
			_			
PROJECT		CREATED BY	APROVED BY			
ZIGZAG SOLAR WATER	HEATER	D. MOSQUERA	D. JAEGER			
PART NAME		PART CODE	DOCUMENT TY	PE	MATERIAL	
le					l	
foundation-st	<u>tructure1</u>	5.0	ASSEMBLY		STEEL A36	
DEVELOPED BY	REDESIGNED BY	LICENCE	FILE NAME		VERSION	QUANTITY
/	_					
		00 B) (0.1				ا
		CC-BY-SA	foundation-s	tructure1.iam	1.1	1
				SCALE	SHEET	DATE
	OREH SOURCE ECOLOGY					
/	GERMANY				26 /54	4/2/2021
WOT-UNIVERSITY OF TWENTE				1:16	36 /54	4/3/2021

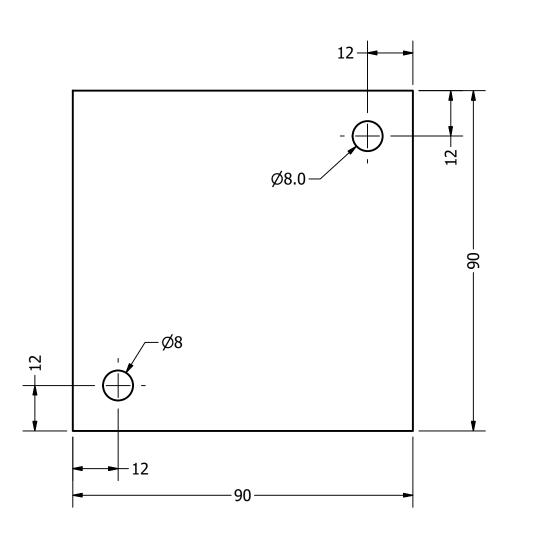


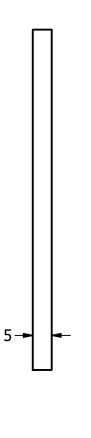


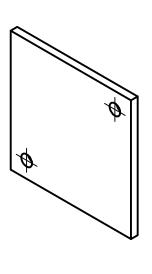




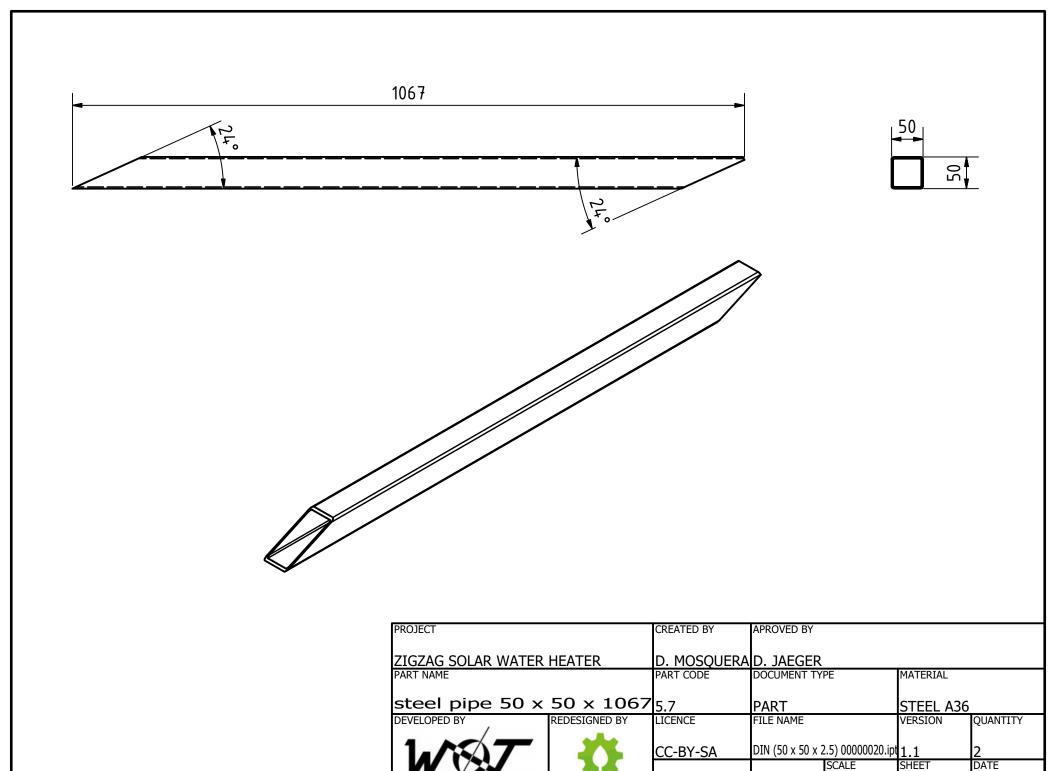








PROJECT	CREATED BY	APROVED BY					
ZIGZAG SOLAR WATER HEATER		D. MOSQUERA	D. JAEGER				
PART NAME		PART CODE	DOCUMENT TYPE		MATERIAL		
rectangular-flancher		5.6	PART		STEEL C45		
DEVELOPED BY	REDESIGNED BY	LICENCE	FILE NAME		VERSION	QUANTITY	
1.05/7		CC-BY-SA	oseg_zswh_rectangular-flancher.ipt		1.1	4	
	AA			SCALE	SHEET	DATE	
WOT-UNIVERSITY OF TWENTE	OPEN SOURCE ECOLOGY GERMANY			1:1	42 /54	4/3/2021	



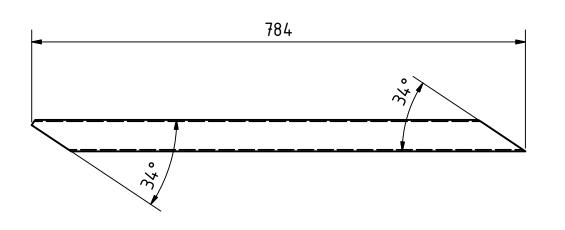
OPEN SOURCE ECOLOGY GERMANY

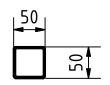
WOT-UNIVERSITY OF TWENTE

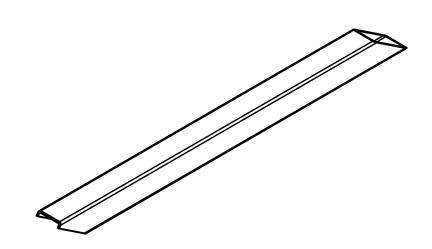
43 /54

1:6

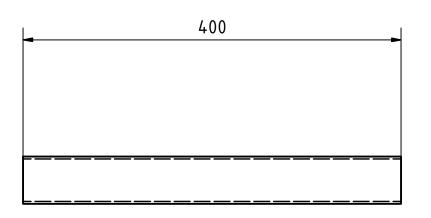
4/3/2021

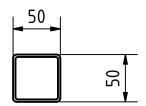


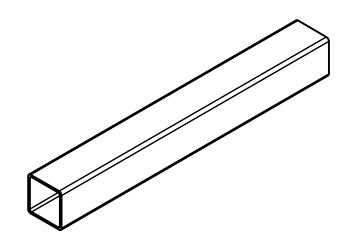




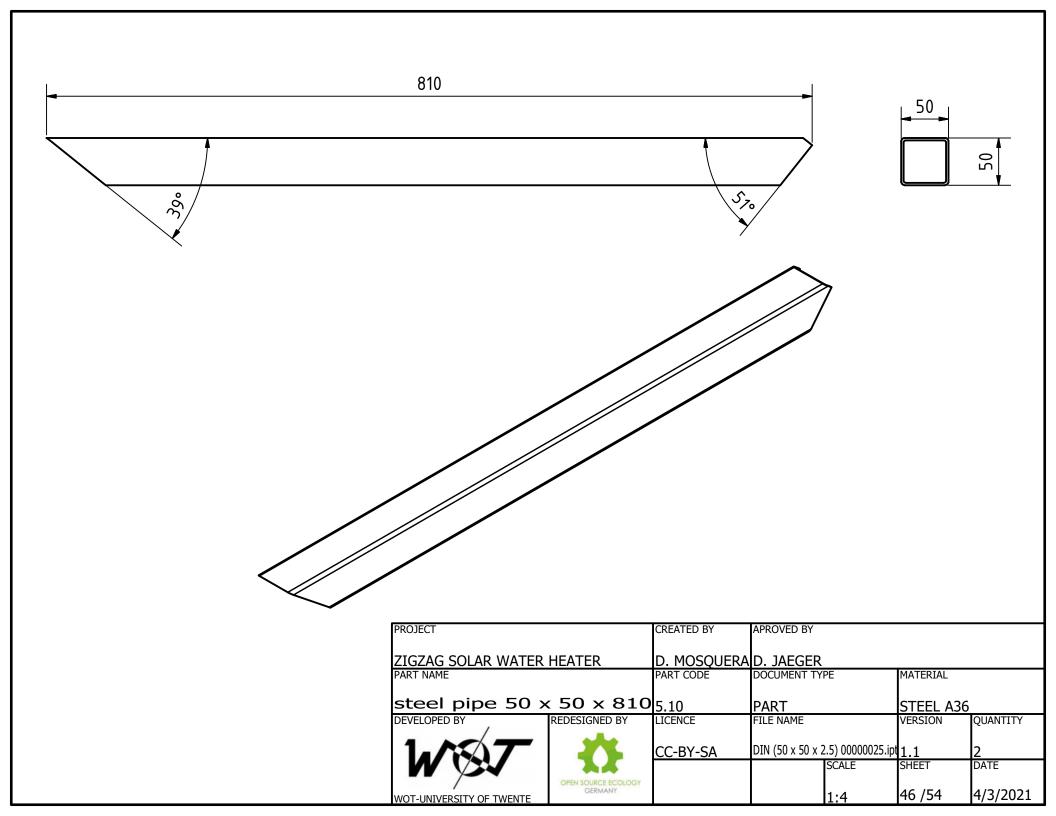
PROJECT		CREATED BY	APROVED BY				
ZIGZAG SOLAR WATER HEATER		D. MOSQUERA	D. JAEGER				
PART NAME		PART CODE	DOCUMENT TYPE		MATERIAL		
steel pipe 50 x 50 x 784		5.8	PART		STEEL A36		
DEVELOPED BY	REDESIGNED BY	LICENCE	FILE NAME		VERSION	QUANTITY	
1405/7		CC-BY-SA	DIN (50 x 50 x 2			2	
	**			SCALE	SHEET	DATE	
WOT-UNIVERSITY OF TWENTE	OPEN SOURCE ECOLOGY GERMANY			1:6	44 /54	4/3/2021	

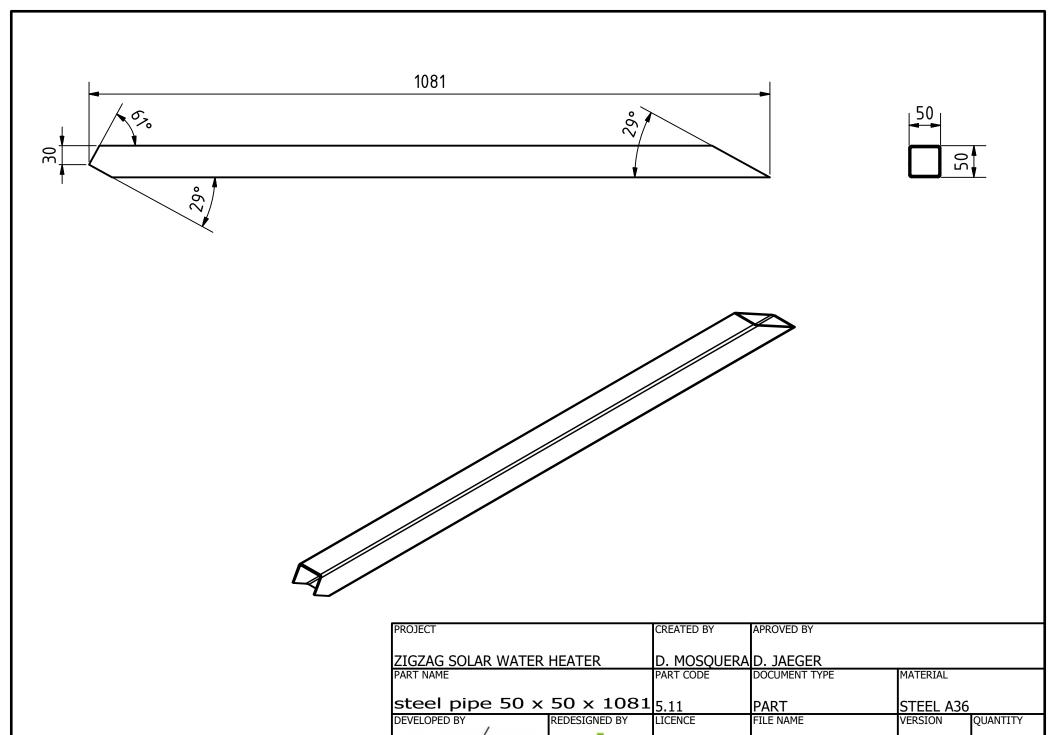






PROJECT	CREATED BY	APROVED BY				
ZIGZAG SOLAR WATER	D. MOSQUERA	D. JAEGER				
PART NAME		PART CODE	DOCUMENT TYPE		MATERIAL	
steel pipe 50 x 50 x 400		5.9	PART		STEEL A36	
DEVELOPED BY	REDESIGNED BY	LICENCE	FILE NAME		VERSION	QUANTITY
1.0507		CC-BY-SA	DIN (50 x 50 x 2.5) 00000022.ipt			2
	A.A.			SCALE	SHEET	DATE
WOT-UNIVERSITY OF TWENTE	OPEN SOURCE ECOLOGY GERMANY			1:4	45 /54	4/3/2021





DIN (50 x 50 x 2.5) 00000019.ipt 1.1

SCALE

1:6

SHEET

47 /54

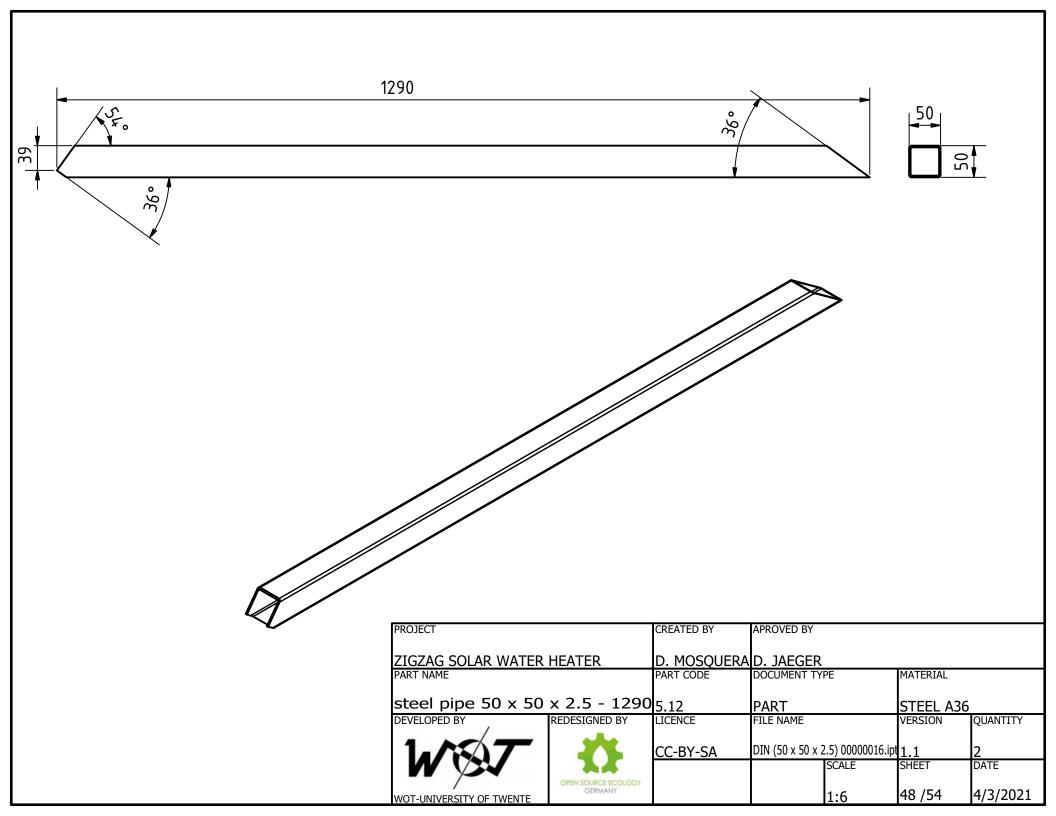
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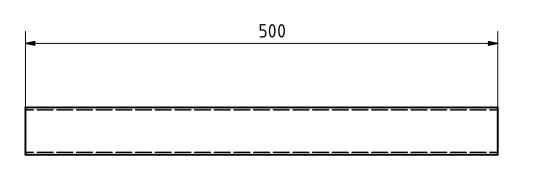
4/3/2021

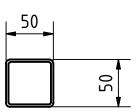
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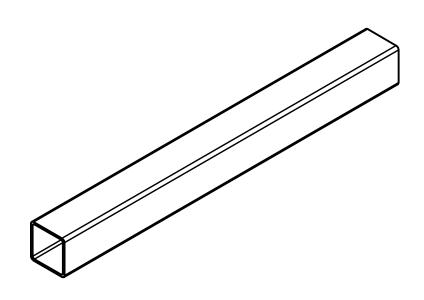
OPEN SOURCE ECOLOGY GERMANY

WOT-UNIVERSITY OF TWENTE









PROJECT	CREATED BY	APROVED BY				
ZIGZAG SOLAR WATER	D. MOSQUERA	D. JAEGER				
PART NAME		PART CODE	DOCUMENT TYPE		MATERIAL	
steel pipe 50 x 50 x 500		5.13	PART		STEEL A36	
DEVELOPED BY	REDESIGNED BY	LICENCE	FILE NAME		VERSION	QUANTITY
14/55/7	2/4	CC-BY-SA	DIN (50 x 50 x 2.5) 00000023.ipt		1.1	2
	**			SCALE	SHEET	DATE
WOT-UNIVERSITY OF TWENTE	OPEN SOURCE ECOLOGY GERMANY			1:4	49 /54	4/3/2021

