

			Parts list			
POS	QTY	PART NAME	FILE NAME	PART TYPE	SPECIFICATIONS	SHEET
A1	1	3D views	3D views			1
A2	1	expoded 3d view	expoded 3d view			2
B1	1	Part List	Part List			3
B2	1	Part List	Part List			4
C1	1	Technical notes	technical notes			5
1.0	1	Handled bar	handled bar.ipn			6
1.1	1	Pipe 660 25	pipe 660 25.ipt	Production	Steel A36 25mm x 0.179mm thickness	7
1.2	2	Pipe 356 25	pipe 356 25.ipt	Production	Steel A36 25mmx 0.179mm thickness	8
2.0	1	Auxiliar frame	auxiliar frame.ipn			9
2.1	1	Pipe 1537 25	pipe 1537 25.ipt	Production	Steel A36 25mm x 0.179mm thickness	10
2.2	2	Pipe adjustment 80 32	pipe adjustment 80 32.ipt	Production	Steel A36 32mm x 0.191mm thickness	11
2.3	1	Pipe 2350 32	pipe 2350 32.ipt	Production	Steel A36 32mm x 0.191mm thickness	12
2.4	1	Pipe 813 19	pipe 813 19.ipt	Production	Steel A36 19mm x 0.154mm thickness	13
2.5	1	Pipe 350 25	pipe 350 25.ipt	Production	Steel A36 25mm x 0.179mm thickness	14
2.6	1	Pipe 700 25	pipe 700 25.ipt	Production	Steel A36 25mm x 0.179mm thickness	15
2.7	1	Plate 178x70x12.5	plate 178x70x12.5.ipt	Production	Steel C45 12.5mm thickness	16
2.8	2	Clamp bolt 12.5	•	Standard	M12 x 60mm long HEX FLANGE HEAD	
2.9	4	Hex head bolt 12.5		Standard	M12 x 60mm long HEX HEAD	
2.10	4	Washers		Standard	M12 washers Steel A53	
2.11	6	Hex nut 12.5		Standard	M12 nut Steel A53	
3.0	2	Hitch brackets	hitch brackets.ipn			17
3.1	1	Plate 127x51x9.5	plate 127x51x9.5.ipt	Production	Steel C45 9.5mm thickness	18
3.2	1	Plate 152x44x9.5	plate 152x44x9.5.ipt	Production	Steel C45 9.5mm thickness	19
4.0	1	Support	support.ipn			20
4.1	1	Plate 204x102x6.3	plate 204x102x6.3.ipt	Production	Steel C45 6.3mm thickness	21
4.2	1	Plate 254x40Gx12.5	plate 254x40Gx12.5.ipt	Production	Steel C45 12.5mm thickness	22
4.3	1	Square angle 25x25x3	square angle 25x25x3.ipt	Production	Steel A36 ANGLE 25mm x 25mm	23
4.4	1	Plate 354x25x12.5	plate 354x25x12.5.ipt	Production	Steel C45 12.5mm thickness	24
4.5	2	Hex head bolt 12.5		Standard	M12 x 55mm long HEX HEAD	
4.6	2	Washers		Standard	M12 washers Steel A53	
4.7	2	Hex nut 12.5		Standard	M12 nut Steel A53	
			PROJECT	CREATED	D RY APPROVED RY IDATE	VERSION

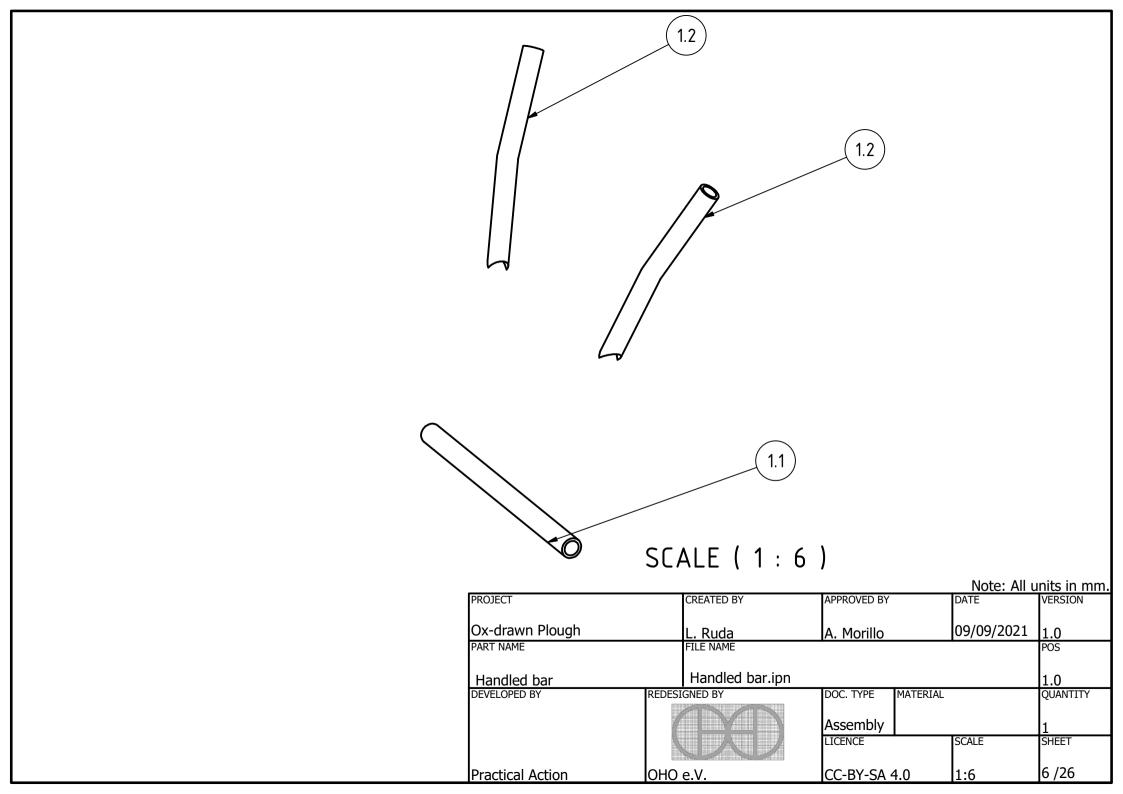
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Ox-drawn Plough	l Duda	A. Morillo	09/09/2021	1.0
	L. Ruda	JA. MOHIIO	03/03/2021	
PART NAME	FILE NAME			POS
L	nac odn ov drawn r	dough		
Parts list	pac_odp_ox-drawn_p	B1		
DEVELOPED BY REDES	IGNED BY	DOC. TYPE MATERIAL		QUANTITY
				-
		Parts list		
	$\langle \dots \rangle_n \langle \dots \rangle_n$	LICENCE	SCALE	SHEET
		l		12 /26
Practical Action OHO	e.V.	CC-BY-SA 4.0		3 /26

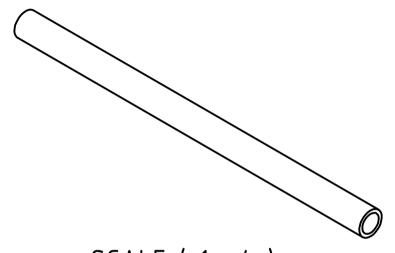
	Parts list									
POS	QTY	PART NAME	FILE NAME	PART TYPE	SPECIFICATIONS	SHEET				
5.0	1	Knife	knife.ipt	Production	Steel C45 Hardened	25				
6.0	1	Rudder 203x127x5	rudder 203x127x5.ipt	Production	Steel C45 5mm thickness	26				

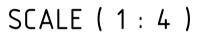
PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Ox-drawn Plough	L. Ruda	A. Morillo	09/09/2021	1.0
PART NAME	FILE NAME	•	-	POS
Parts list	Parts list			4.0
DEVELOPED BY	REDESIGNED BY	DOC. TYPE MATERIA	L	QUANTITY
		Parts list		
		LICENCE	SCALE	SHEET
Practical Action	OHO e.V.	CC-BY-SA 4.0		4 /26

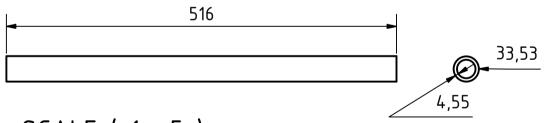
	TECHNICL NOTES						
NOTES CONTENT							
GENERAL NOTES							
	Iron structures should be painted to prevent rust and improve equipment life.						
	- Remove loose rust with a wire brush, sandpaper or chemical rust remover.						
Metal structure treatment	- If applicable, sand areas where paint is chipping until surface is smooth.						
	- Remove dust or oil with a degreaser or denatured alcohol.						
	- Prime surface to protect against rust and corrosion						
	- Clamp bolt 12.5 Screw Ring M12 GOST 4751-73 Standard CSN 02 1369 M12						
Parts to buy	- Hex nut 12.5 AS 1112 - M12 Type 5 Standard AS 1112 METRIC M12						
Parts to buy	- Hex head bolt 12.5 ANSI B18.2.3.5M - M12 x 1,75 x 55 Standard Hex Bolt						
	- Washers AS 1237 - 12 mm Standard Flat metal washers for general engineering purposes (metric series)						
	-						
	-						
	···						

PROJECT	CREATED BY	APPROVED BY	DATE	VERSION
Ox-drawn Plough	L. Ruda	A. Morillo	09/09/2021	1.0
PART NAME	FILE NAME			POS
Technical notes	pac_odp_ox-d	rawn_plough		C1
DEVELOPED BY	REDESIGNED BY	DOC. TYPE MATERIA	L	QUANTITY
		ITechnical I		1
	74	M I Commodi		
		notes		
		A #	SCALE	SHEET



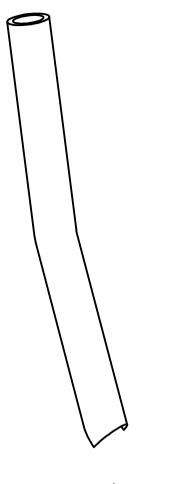




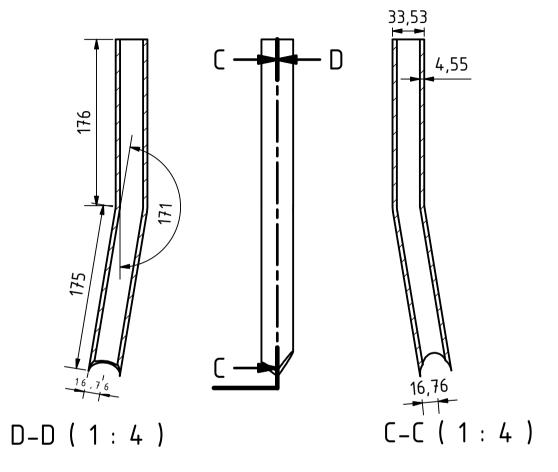


SCALE (1:5)

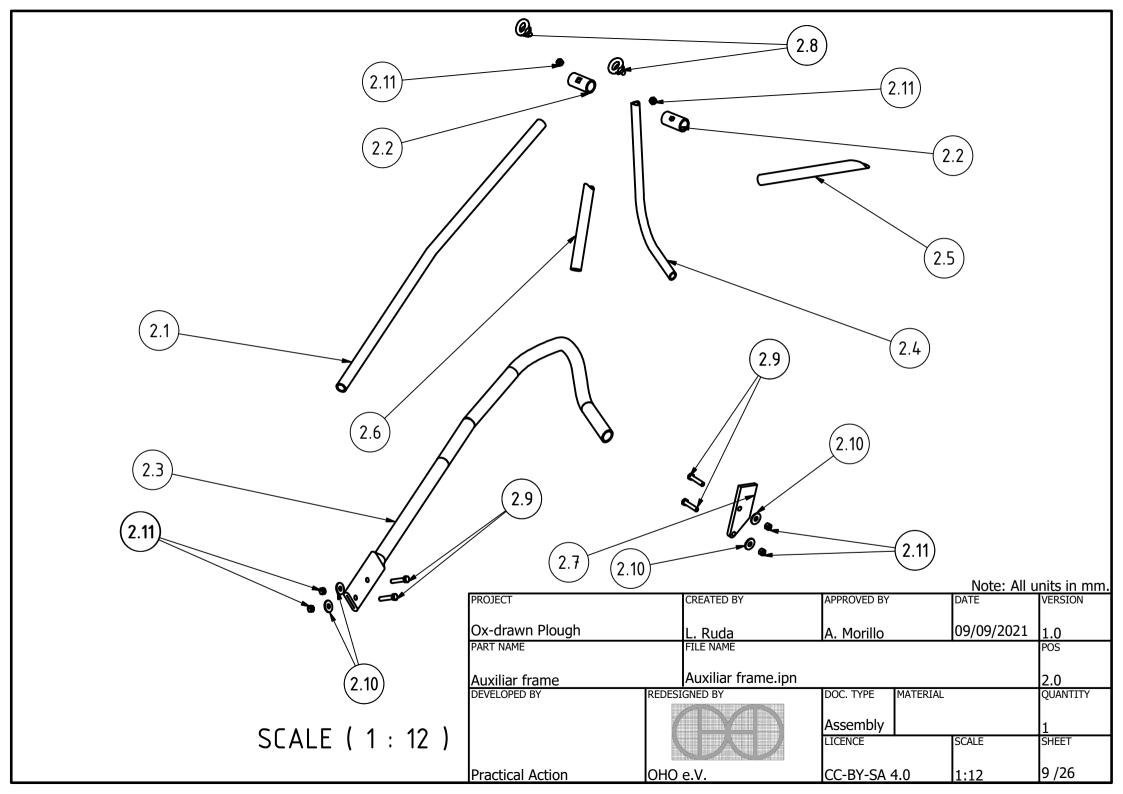
				Note: All u	ınits in mm.
PROJECT	CREATED BY	APPROVED BY		DATE	VERSION
Ox-drawn Plough	L. Ruda	A. Morillo		09/09/2021	1.0
PART NAME	FILE NAME	•			POS
Pipe 660 25	Pipe 660 25.ipt				l1.1
DEVELOPED BY REDI	ESIGNED BY	DOC. TYPE	MATERIAL		QUANTITY
		Part	Steel A3	6	1
		LICENCE		SCALE	SHEET
Practical Action OH	O e.V.	CC-BY-SA	4.0	1:5	7 /26

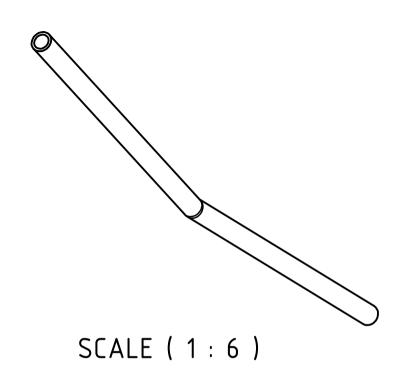


SCALE (1 :3)

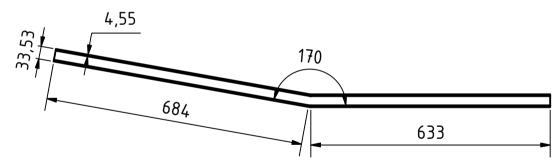


				Note: All u	nits in mm.
PROJECT	CREATED BY	APPROVED BY		DATE	VERSION
Ox-drawn Plough	L. Ruda	A. Morillo		09/09/2021	1.0
PART NAME	FILE NAME				POS
Pipe 356 25	Pipe 356 25.ipt				1.2
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL		QUANTITY
		<u>.</u>	CL LAD	_	l,
			Steel A3		1
		LICENCE		SCALE	SHEET
Practical Action	OHO e.V.	CC-BY-SA 4	1.0	1:4	8 /26



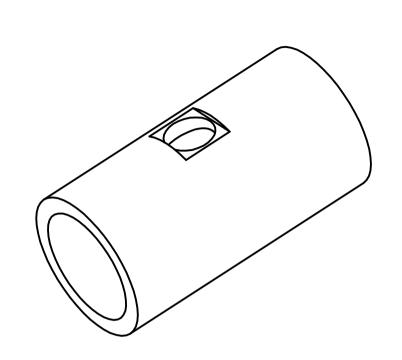




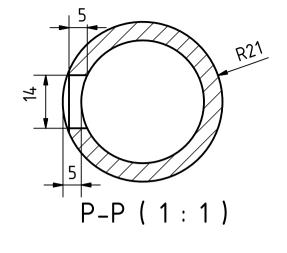


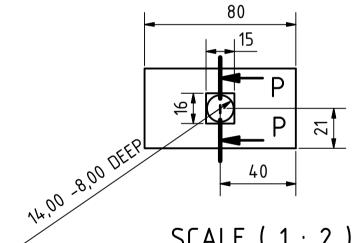
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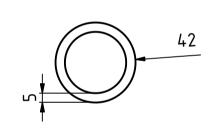
				Note: All u	nits in mm.
PROJECT	CREATED BY	APPROVED BY		DATE	VERSION
Ox-drawn Plough	L. Ruda	A. Morillo		09/09/2021	1.0
PART NAME	FILE NAME				POS
pipe 1537 25	pipe 1537 25.ipt				2.1
DEVELOPED BY REDES	IGNED BY	DOC. TYPE	MATERIAL		QUANTITY
<u> </u>		Part	Steel A3	5	1
		LICENCE		SCALE	SHEET
Practical Action OHO	e.V.	CC-BY-SA 4	4.0	1:10	10 /26
PART NAME pipe 1537 25	pipe 1537 25.ipt	DOC. TYPE	MATERIAL Steel A30	SCALE	POS 2.1 QUANTITY 1 SHEET



SCALE (1 : 1)

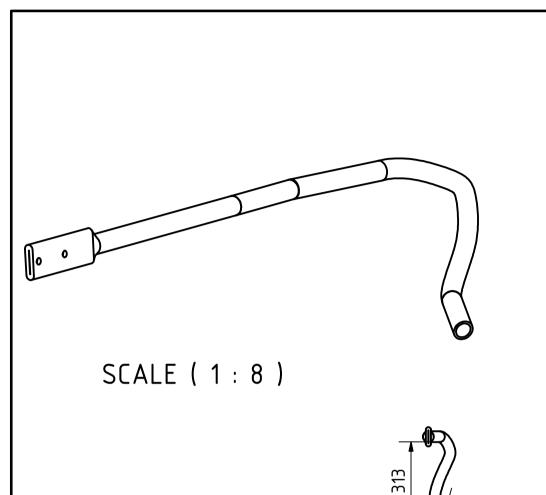


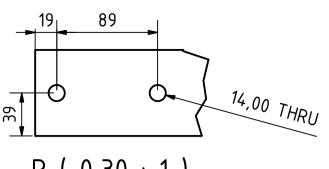




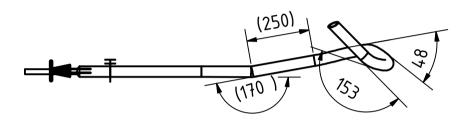
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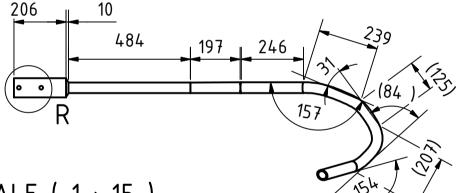
				Note: All ເ	ınits in mm.
PROJECT	CREATED BY	APPROVED BY		DATE	VERSION
Ox-drawn Plough	L. Ruda	A. Morillo		09/09/2021	1.0
PART NAME	FILE NAME				POS
pipe adjustment 80 32 A					2.2
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL		QUANTITY
		Part	Steel A3	6	2
		LICENCE		SCALE	SHEET
Practical Action	OHO e.V.	CC-BY-SA	4.0	1:2	11 /26





R(0,30:1)





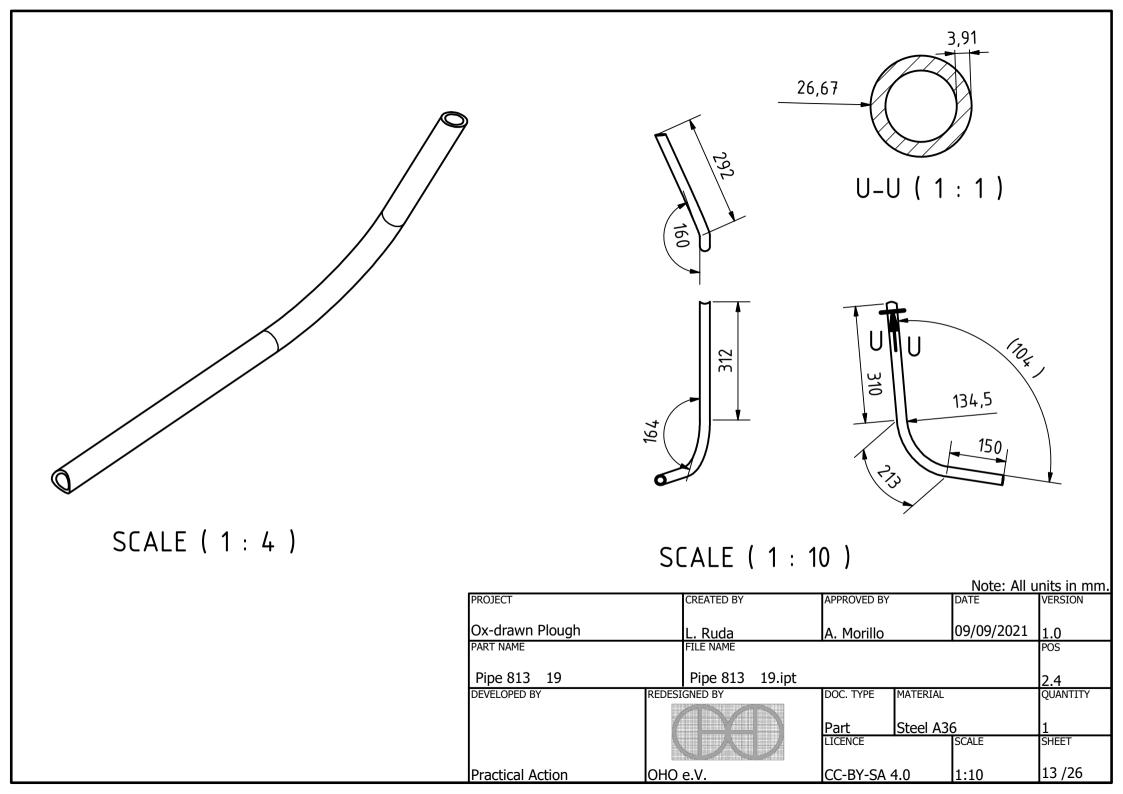
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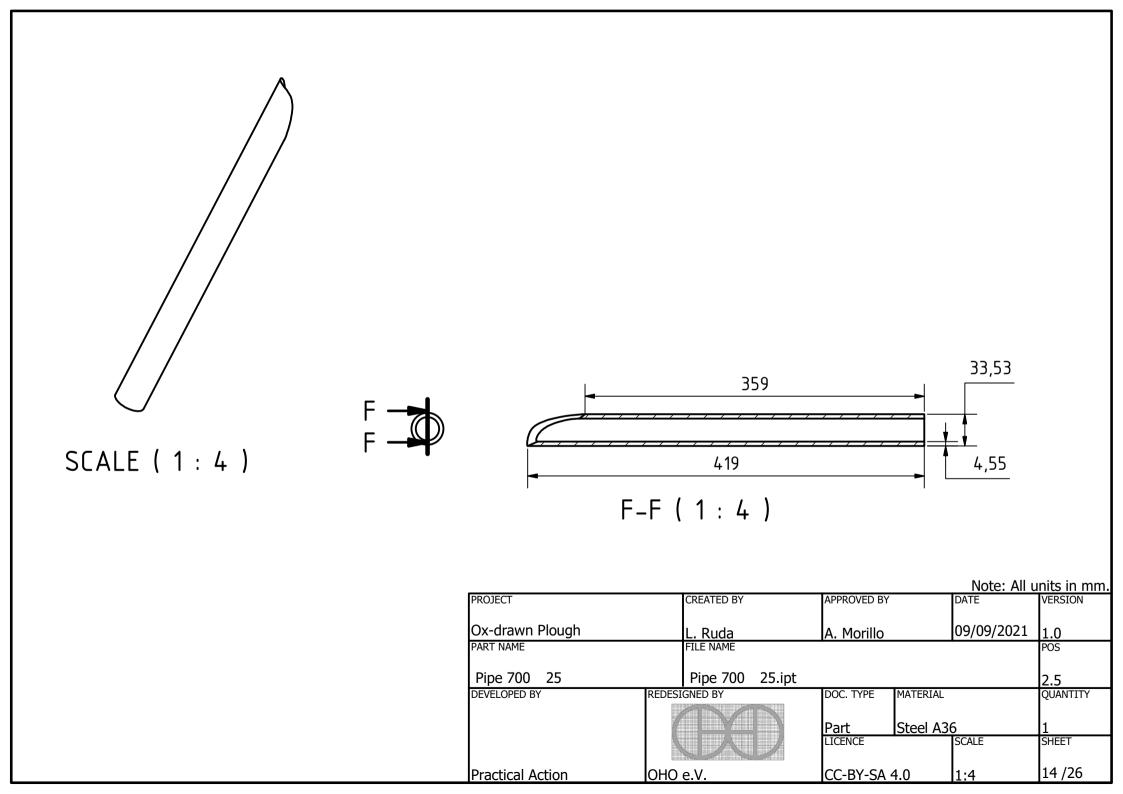
130

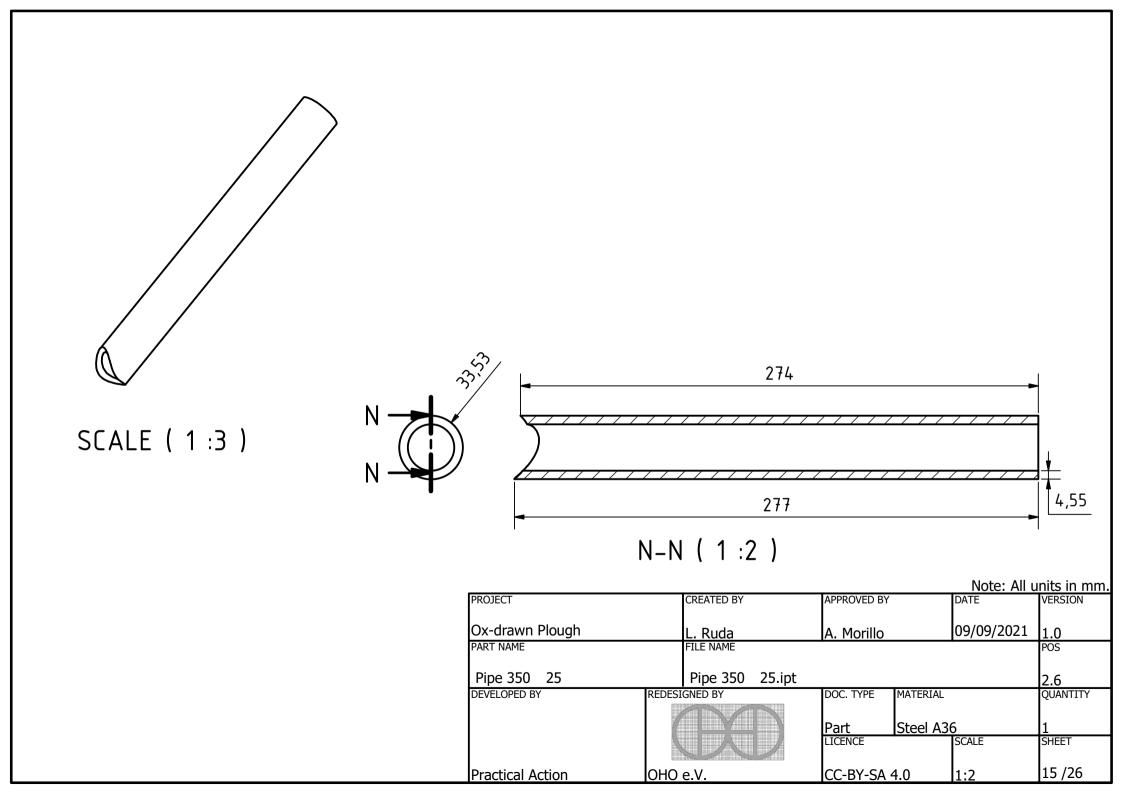
COMPRESEED TUBE SECTION

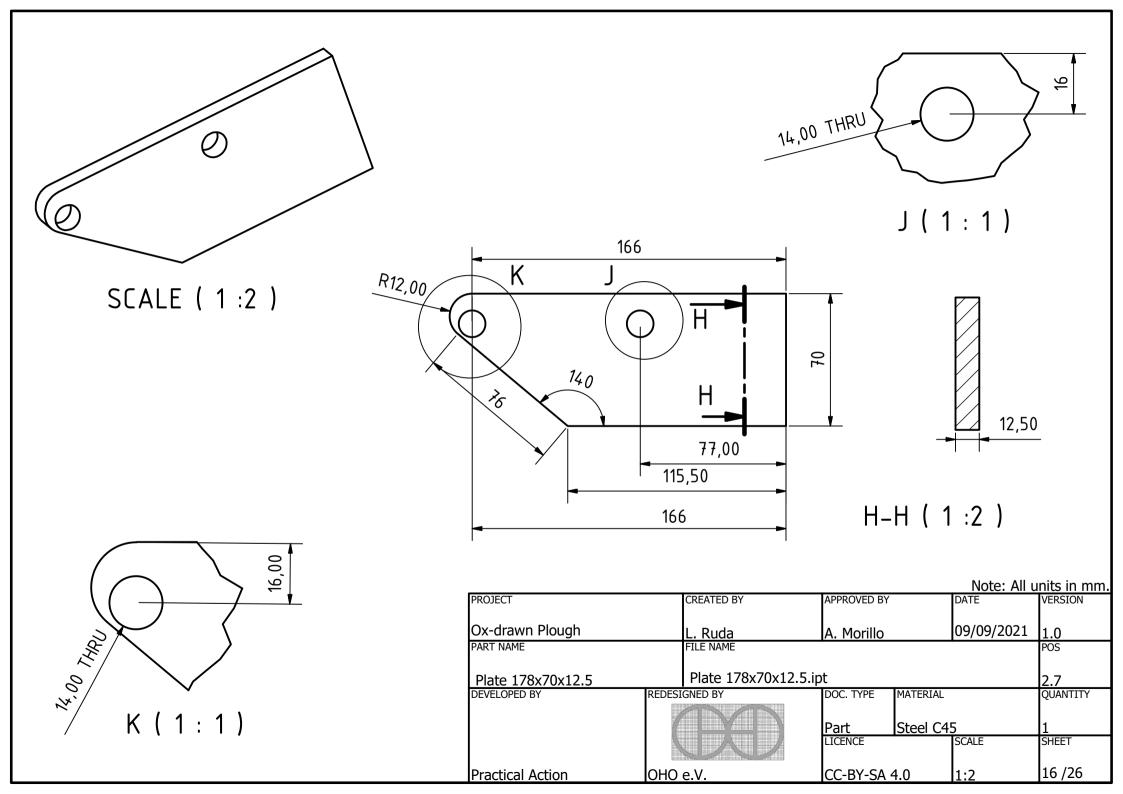
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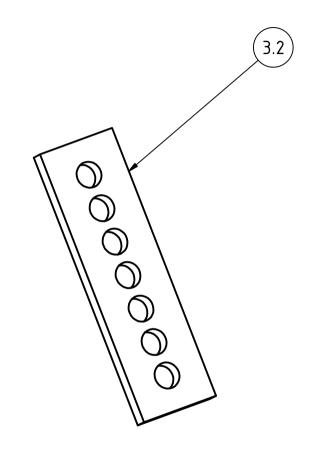
Note: All units in mm.
TE VERSION PROJECT CREATED BY APPROVED BY Ox-drawn Plough 09/09/2021 L. Ruda FILE NAME A. Morillo PART NAME Pipe 2350 32 Pipe 2350 32.ipt 2.3 QUANTITY DEVELOPED BY REDESIGNED BY DOC. TYPE MATERIAL Steel A36 Part LICENCE SCALE SHEET 12 /26 OHO e.V. CC-BY-SA 4.0 **Practical Action** 1:15

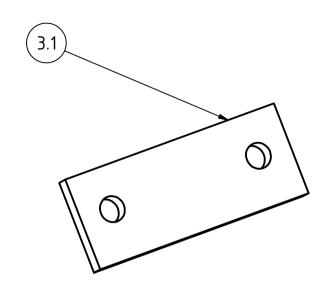






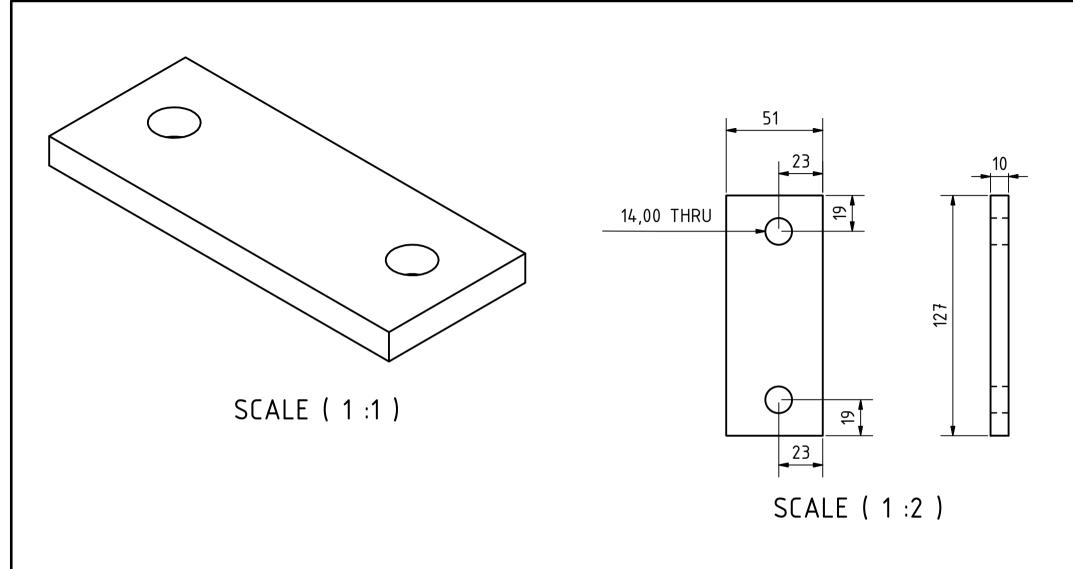




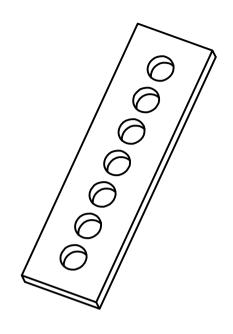


SCALE (1 : 2)

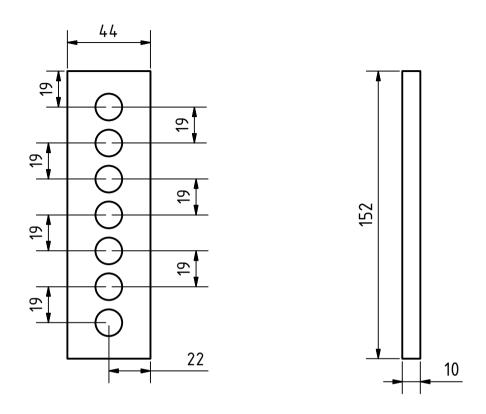
			Note: All u	nits in mm.
CREATED BY	APPROVED BY		DATE	VERSION
L. Ruda	A. Morillo		09/09/2021	1.0
FILE NAME			-	POS
Hitch brackets.ipn				3.0
SIGNED BY	DOC. TYPE	MATERIAL		QUANTITY
	Assembly			2
	LICENCE	•	SCALE	SHEET
e.V.	CC-BY-SA 4	4.0	1:2	17 /26
	L. Ruda FILE NAME	L. Ruda FILE NAME Hitch brackets.ipn SIGNED BY DOC. TYPE Assembly LICENCE	L. Ruda FILE NAME Hitch brackets.ipn SIGNED BY DOC. TYPE MATERIAL Assembly LICENCE	CREATED BY APPROVED BY DATE L. Ruda A. Morillo 09/09/2021 FILE NAME Hitch brackets.ipn GIGNED BY DOC. TYPE MATERIAL ASSEMBLY LICENCE SCALE



				Note: All ι	units in mm.
PROJECT	CREATED BY	APPROVED BY	′	DATE	VERSION
Ox-drawn Plough	L. Ruda	A. Morillo	A. Morillo		1.0
Plate 127x51x9.5	Plate 127x51x9.5.ip	t			POS 3.1
DEVELOPED BY	REDESIGNED BY	DOC. TYPE Part	MATERIAL Steel C45		QUANTITY 1
		LICENCE	JOCCE CT	SCALE	SHEET
Practical Action	OHO e.V.	CC-BY-SA	4.0	1:2	18 /26

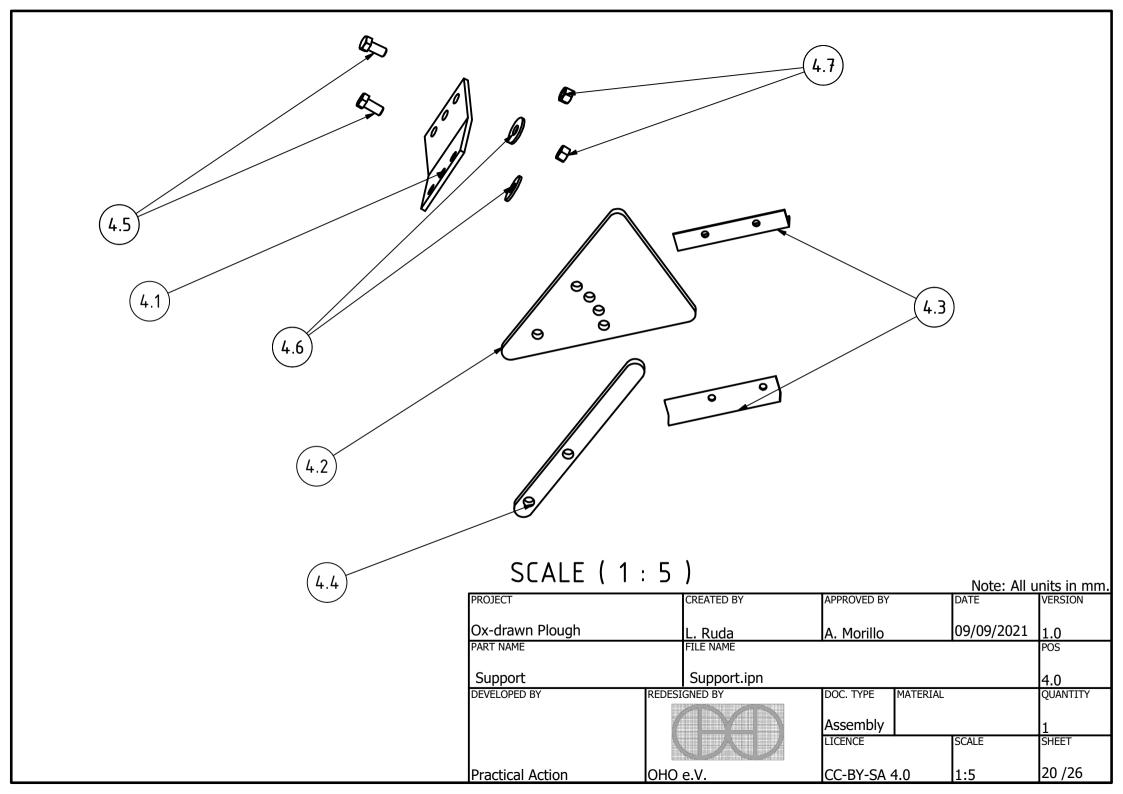


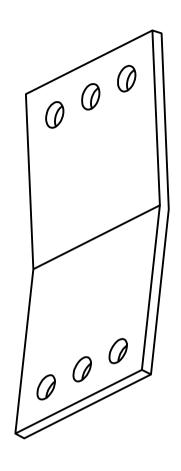
SCALE (1:2)



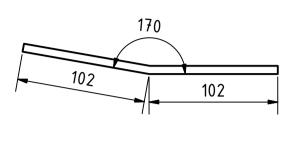
SCALE (1:2)

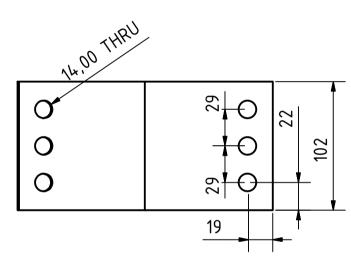
Note: All units in mm.							
PROJECT		CREATED BY	APPROVED BY		DATE	VERSION	
Ox-drawn Plough		L. Ruda	A. Morillo		09/09/2021	1.0	
PART NAME		FILE NAME				POS	
Plate 152x44x9.5		Plate 152x44x9.5.ipt			3.2		
DEVELOPED BY	OPED BY REDES		GNED BY DOC. TYPE MATERIA			QUANTITY	
			Part	Steel C45		1	
4			LICENCE	SCALE		SHEET	
		254354					
Practical Action	ОНО	e.V.	CC-BY-SA	4.0	1:2	19 /26	

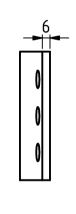




SCALE (1 :2)

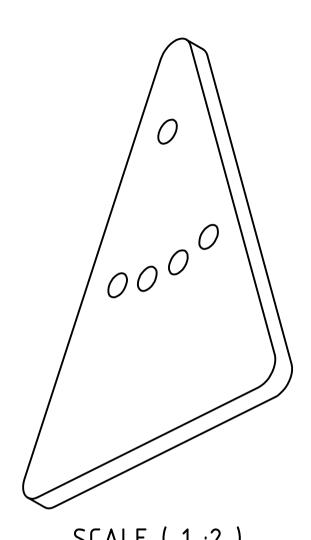




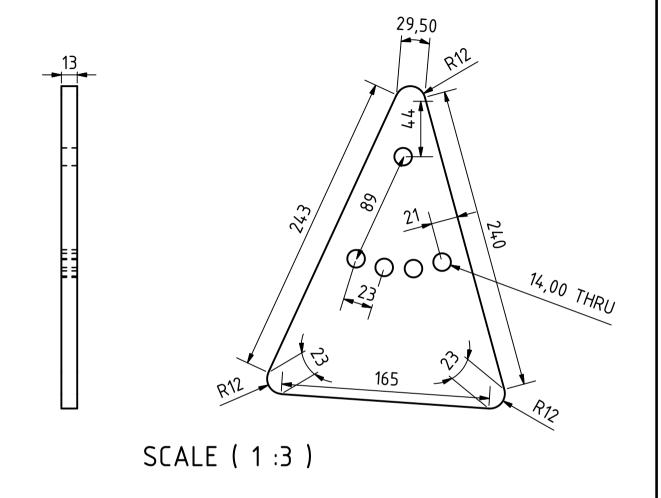


SCALE (1 :3)

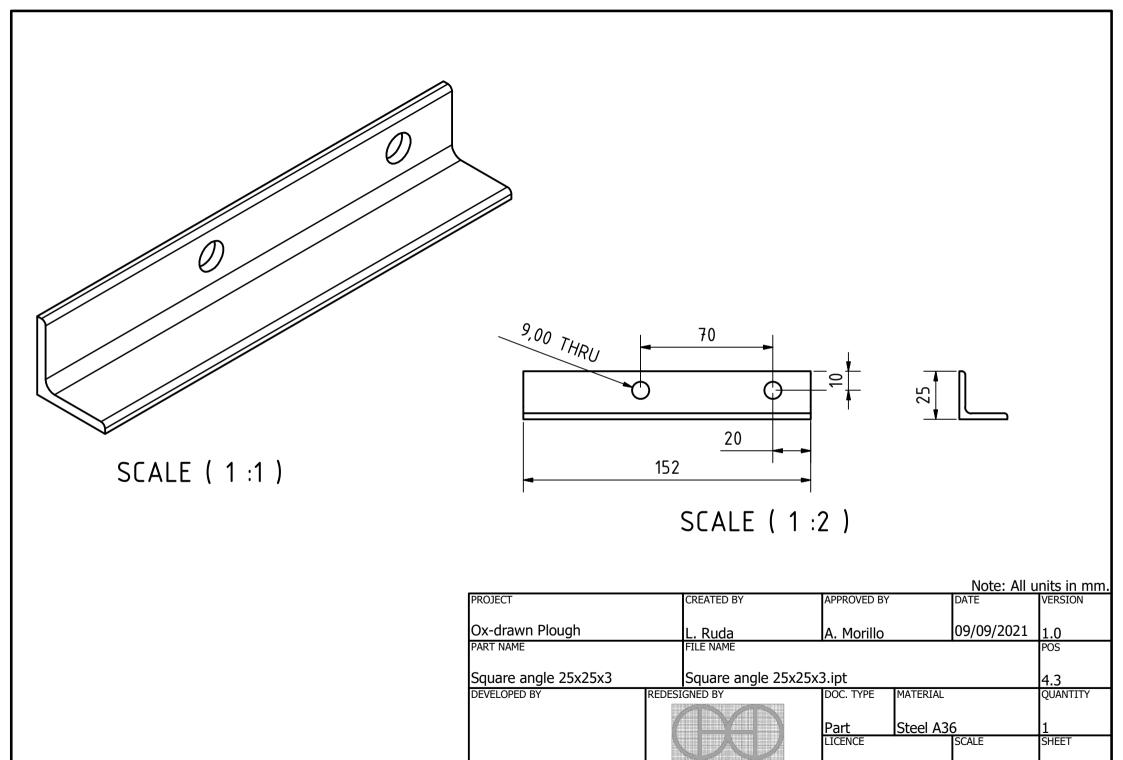
Note: All units in mm.							
PROJECT	CREATED BY	APPROVED BY	′	DATE	VERSION		
Ox-drawn Plough	L. Ruda	A. Morillo		09/09/2021	1.0 POS		
PART NAME	FILE NAME	FILE NAME					
Plate 204x102x6.3		Plate 204x102x6.3.ipt					
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL		QUANTITY		
		Part	Steel C4		1		
		LICENCE		SCALE	SHEET		
Practical Action	OHO e.V.	CC-BY-SA	4.0	1:3	21 /26		



SCALE (1 :2)



Note: All units in mm.							
PROJECT	CREATED BY	APPROVED BY		DATE	VERSION		
Ox-drawn Plough	L. Ruda	A. Morillo		09/09/2021	1.0		
PART NAME	FILE NAME	FILE NAME					
Plate 254x40Gx12.5	Plate 254x40Gx	Plate 254x40Gx12.5.ipt					
DEVELOPED BY	REDESIGNED BY	DOC. TYPE	MATERIAL		QUANTITY		
		Part	Steel C4!	5	1		
		LICENCE	LICENCE		SHEET		
Practical Action	OHO e.V.	CC-BY-SA	4.0	1:3	22 /26		

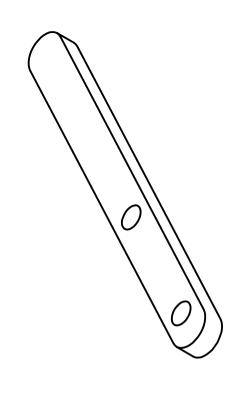


Practical Action

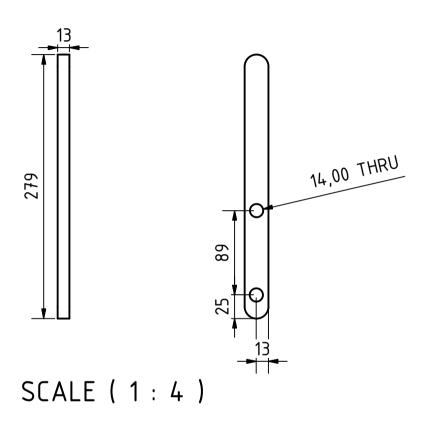
OHO e.V.

CC-BY-SA 4.0

23 /26



SCALE (1:2)



Note: All units in mm.

DATE VERSION PROJECT APPROVED BY CREATED BY Ox-drawn Plough 09/09/2021 L. Ruda FILE NAME A. Morillo 1.0 POS PART NAME Plate 354x25x12.5.ipt Plate 354x25x12.5
DEVELOPED BY 4.4 QUANTITY REDESIGNED BY DOC. TYPE MATERIAL Part LICENCE Steel A36 SCALE SHEET 24 /26 Practical Action OHO e.V. CC-BY-SA 4.0

