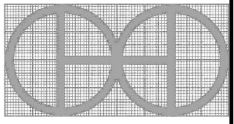
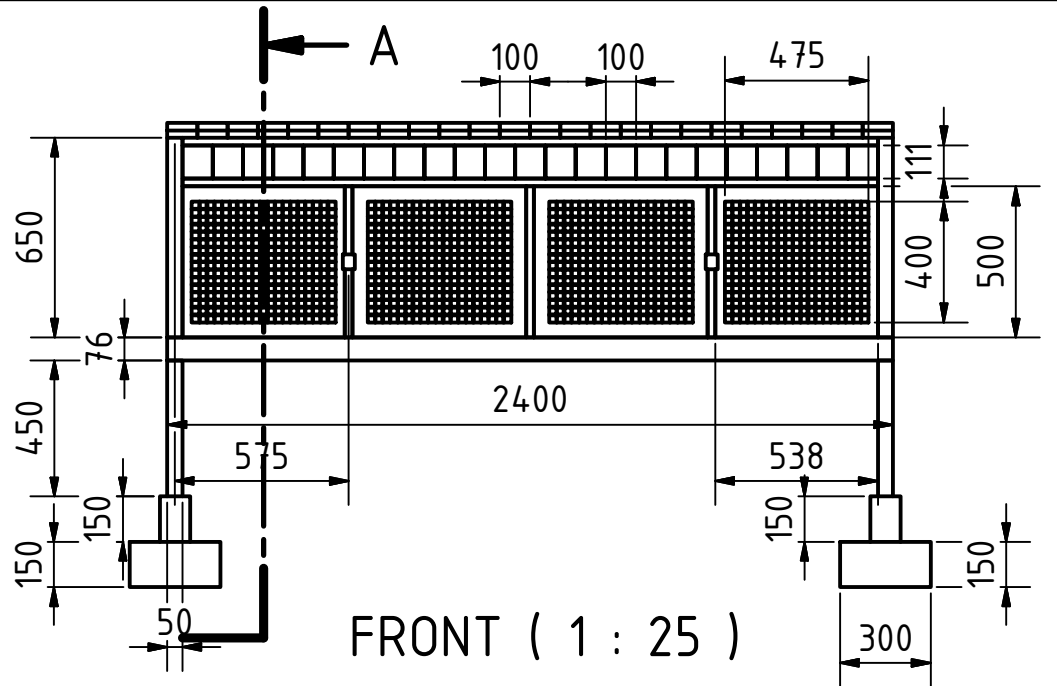
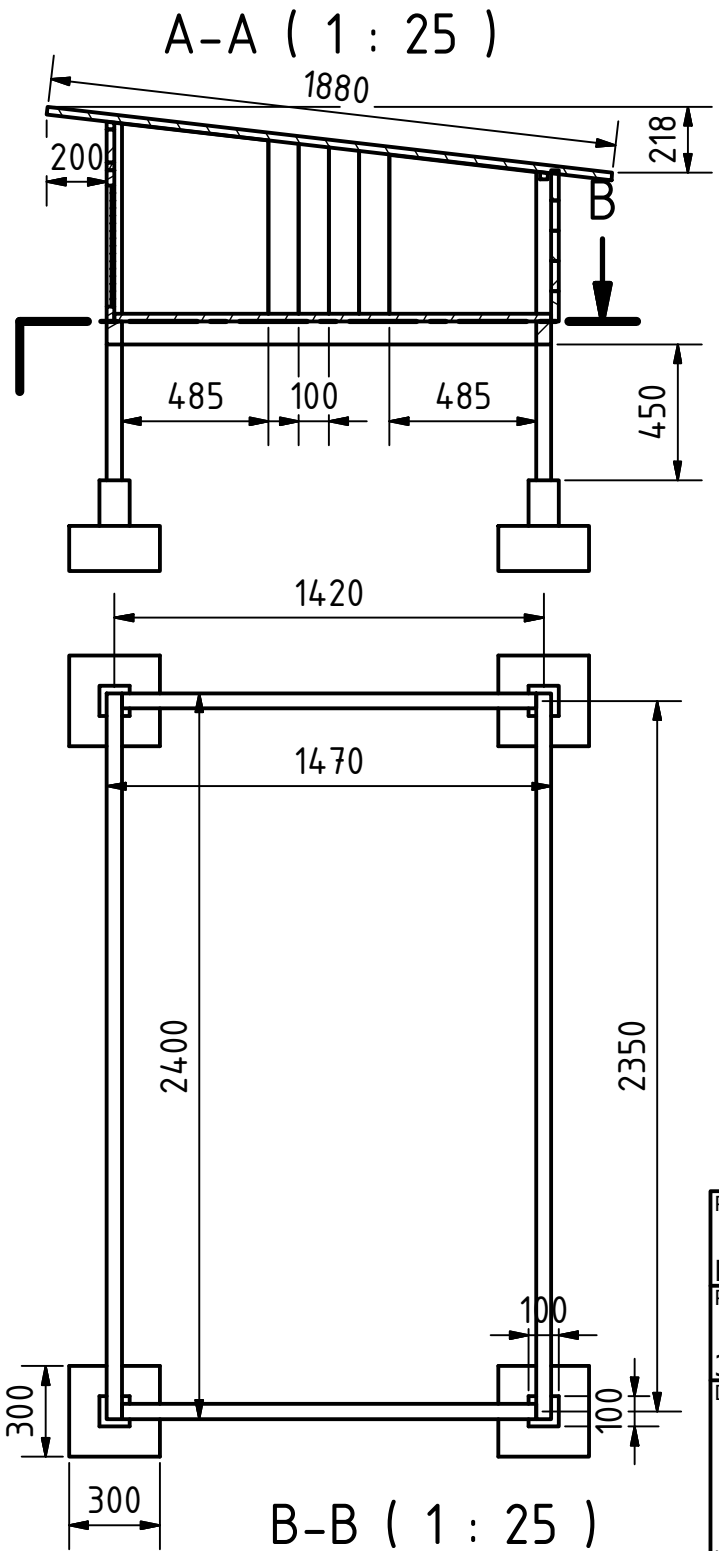
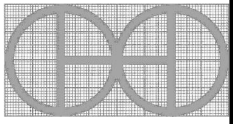


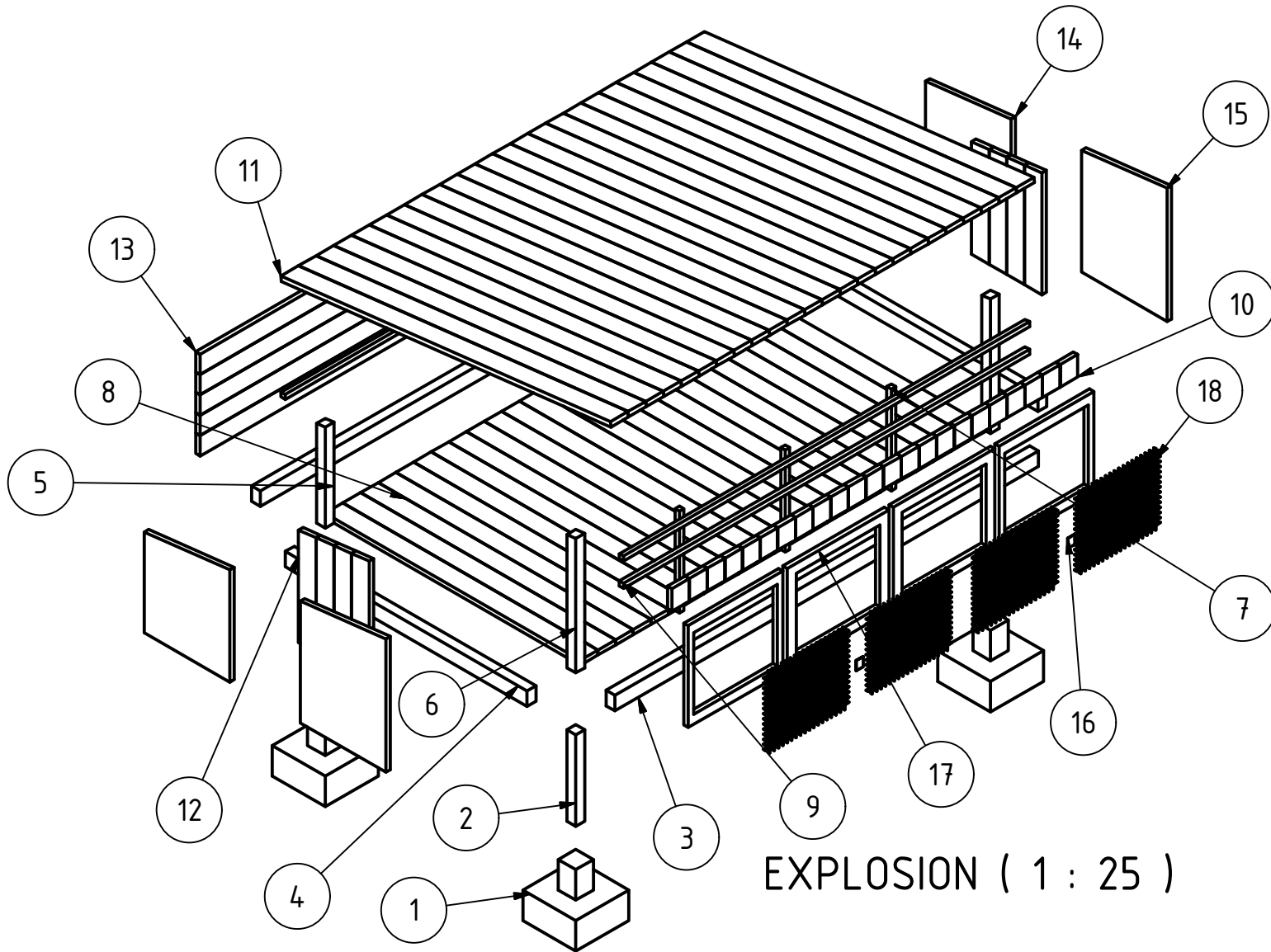
ISOMETRIC (1 : 15)

PROJECT		CREATED BY	APPROVED BY	DATE	VERSION
PROJECT NAME		J. ZERON	A. MORILLO	30-05-2021	1.0
PART NAME		FILE NAME			PART CODE
3D VIEW		safe-and-sturdy-shelter.iam			A1
DEVELOPED BY	REDESIGNED BY	SUPPORTED BY	DOC. TYPE	MATERIAL	QUANTITY
			ASSEMBLY		1
UNIVERSITY OF GHANA		OHO e.V.	LICENCE	SCALE	SHEET
			CC-BY-SA 4.0	1:15	1 /24

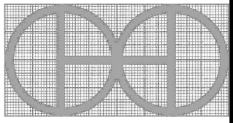


Note: all units are in mm

PROJECT		CREATED BY	APPROVED BY	DATE	VERSION
PROJECT NAME		J. ZERON	A. MORILLO	30-05-2021	1.0
PART NAME		FILE NAME			PART CODE
3D Views		safe-and-sturdy-shelter.iam			A1
DEVELOPED BY	REDESIGNED BY	SUPPORTED BY	DOC. TYPE	MATERIAL	QUANTITY
			ASSEMBLY		1
UNIVERSITY OF GHANA		OHO e.V.	LICENCE	SCALE	SHEET
			CC-BY-SA 4.0	1:25	2 /24

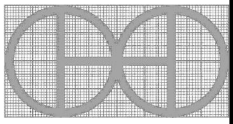


EXPLOSION (1 : 25)

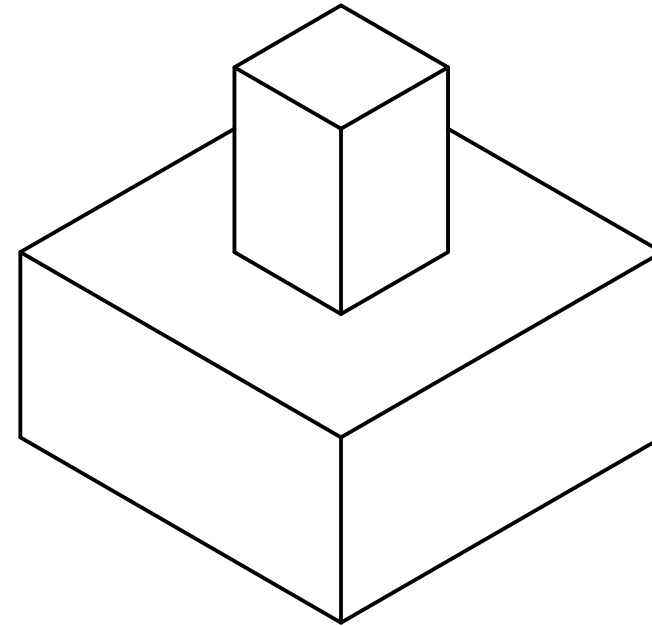
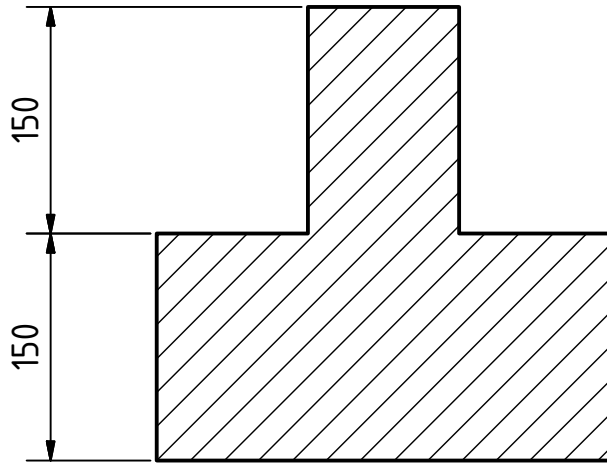
PROJECT		CREATED BY	APPROVED BY	DATE	VERSION
PROJECT NAME		J. ZERON	A. MORILLO	30-05-2021	1.0
PART NAME		FILE NAME			PART CODE
Exploded 3D View		safe-and-sturdy-shelter.ipn			A2
DEVELOPED BY	REDESIGNED BY	SUPPORTED BY	DOC. TYPE	MATERIAL	QUANTITY
			ASSEMBLY		1
UNIVERSITY OF GHANA		OHO e.V.	LICENCE	SCALE	SHEET
			CC-BY-SA 4.0	1:25	3 /24

PART LIST

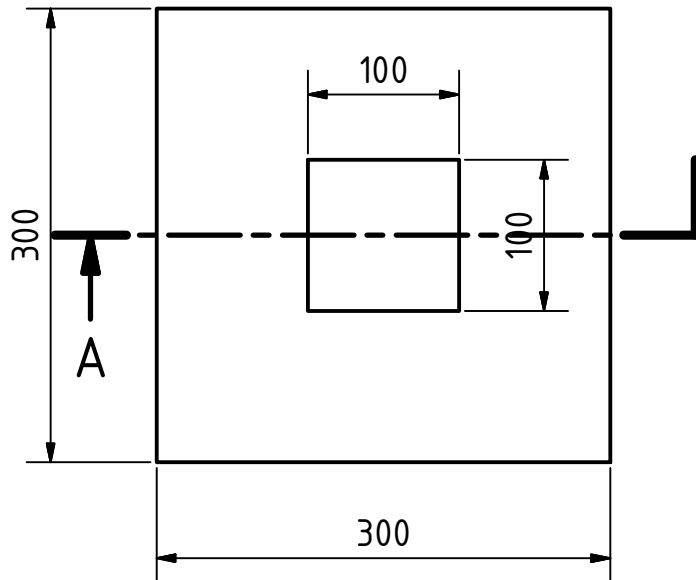
POS	POS.OLD	QTY	PART NAME	FILE NAME	PART TYPE	SPECIFICATIONS	SHEET
A1	-	-	3D Views	safe-and-sturdy-shelter.iam	-	-	1-2
A2	-	-	Explode 3D View	safe-and-sturdy-shelter.ipn	-	-	3
B1	-	-	Part List	uga_sss_safe-and-sturdy-shelter	-	-	4
1	-	4	Foundation	Foundation.ipt	Production	Structural Concrete	5
2	-	4	Column_1 - 2" x 2"	Column_1 - 2" x 2".ipt	Production	Hardwood 2" x 2"	6
3	-	2	Beam_1 - 2" x 3"	Beam_1 - 2" x 3".ipt	Production	Hardwood 2" x 3"	7
4	-	2	Beam_2 - 2" x 3"	Beam_2 - 2" x 3".ipt	Production	Hardwood 2" x 3"	8
5	-	2	Column_2 - 2" x 2"	Column_2 - 2" x 2".ipt	Production	Hardwood 2" x 2"	9
6	-	2	Column_3 - 2" x 2"	Column_3 - 2" x 2".ipt	Production	Hardwood 2" x 2"	10
7	-	3	Column_4 - 1" x 1"	Column_4 - 1" x 1".ipt	Production	Hardwood 1" x 1"	11
8	-	23	Floor Plank	Floor Plank.ipt	Production	Klin Dried Pine 1"	12
9	-	3	Beam_3 - 1" x 1"	Beam_3 - 1" x 1".ipt	Production	Hardwood 1" x 1"	13
10	-	23	Top Plank	Top Plank.ipt	Production	Klin Dried Pine 1"	14
11	-	24	Roof Plank	Roof Plank.ipt	Production	Klin Dried Pine 1"	15
12	-	2	Side Plank	Side Plank A.ipt	Production	Klin Dried Pine 1"	16
12.1	-	2	Side Plank	Side Plank B.ipt	Production	Klin Dried Pine 1"	17
12.2	-	2	Side Plank	Side Plank C.ipt	Production	Klin Dried Pine 1"	18
12.3	-	2	Side Plank	Side Plank D.ipt	Production	Klin Dried Pine 1"	19
13	-	5	Rear Plank	Rear Plank.ipt	Production	Klin Dried Pine 1"	20
14	-	2	Side Wall A	Side Wall A.ipt	Production	Plywood 1"	21
15	-	2	Side Wall B	Side Wall B.ipt	Production	Plywood 1"	22
16	-	2	Window Hinge	Window Hinge.ipt	Buy	Brass 2"	-
17	-	4	Window Frame	Window Frame.ipt	Production	Plywood 1"	23
18	-	4	Window Grid	Window Grid.ipt	Production	Chicken Wire	24
19	-	-	Join	-	Buy	Steel Nails 1 1/2"	-

PROJECT		CREATED BY	APPROVED BY	DATE	VERSION
PROJECT NAME		J. ZERON	A. MORILLO	30-05-2021	1.0
PART NAME		FILE NAME			PART CODE
PART LIST					B1
DEVELOPED BY	REDESIGNED BY	SUPPORTED BY	DOC. TYPE	MATERIAL	QUANTITY
			ASSEMBLY		
UNIVERSITY OF GHANA		OHO e.V.	LICENCE	SCALE	SHEET
			CC-BY-SA 4.0		4 /24

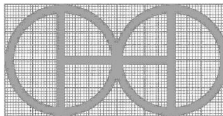
A-A (1 : 5)



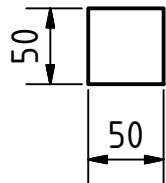
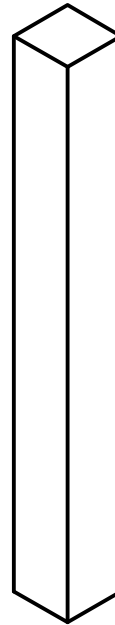
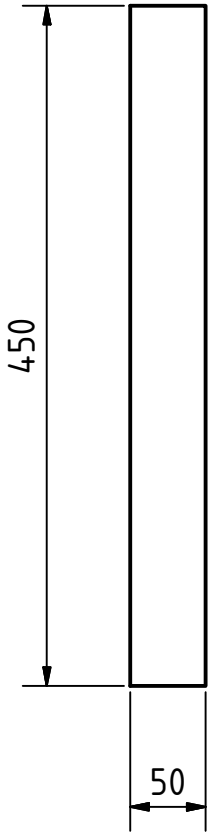
PLAN (1 : 5)



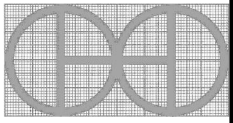
Note: all units are in mm

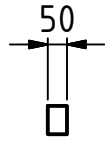
PROJECT		CREATED BY	APPROVED BY	DATE	VERSION
PROJECT NAME		J. ZERON	A. MORILLO	30-05-2021	1.0
PART NAME		FILE NAME			PART CODE
Foundation		Foundation.ipt			1
DEVELOPED BY	REDESIGNED BY	SUPPORTED BY	DOC. TYPE	MATERIAL	QUANTITY
			PART	Structural Concrete	4
UNIVERSITY OF GHANA		OHO e.V.	LICENCE	SCALE	SHEET
			CC-BY-SA 4.0	1:5	5 /24

ELEVATION (1 : 5)

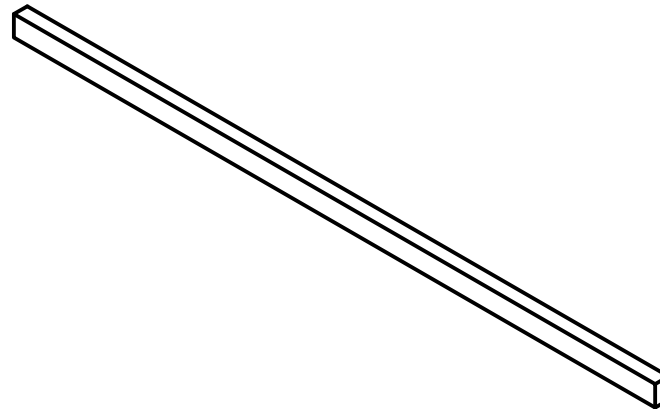
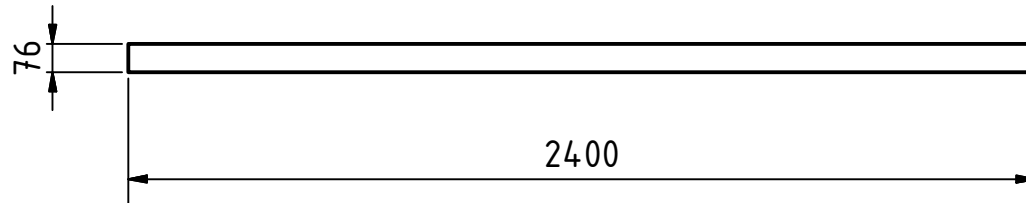


Note: all units are in mm

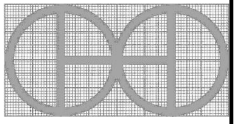
PROJECT		CREATED BY	APPROVED BY	DATE	VERSION
PROJECT NAME		J. ZERON	A. MORILLO	30-05-2021	1.0
PART NAME		FILE NAME			PART CODE
Column 2" x 2"		Column_1 - 2" x 2".ipt			2
DEVELOPED BY	REDESIGNED BY	SUPPORTED BY	DOC. TYPE	MATERIAL	QUANTITY
			PART	Hardwood	4
			LICENCE	SCALE	SHEET
UNIVERSITY OF GHANA	OHO e.V.		CC-BY-SA 4.0	1:5	6 /24

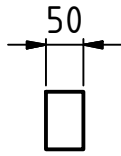


ELEVATION (1 : 20)

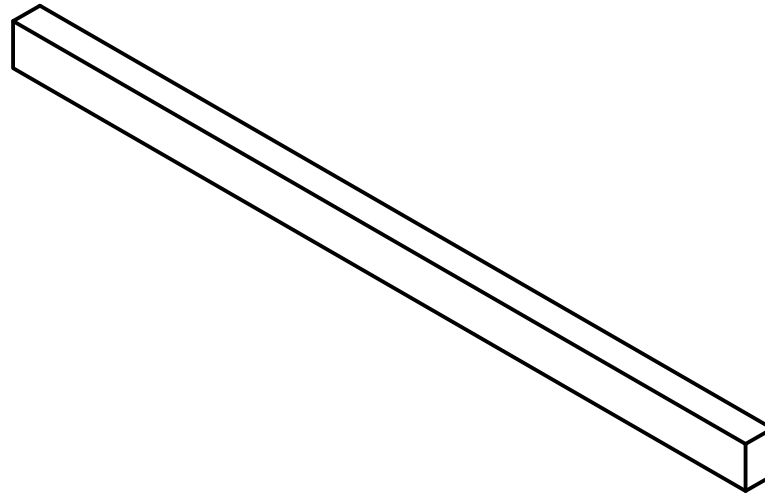
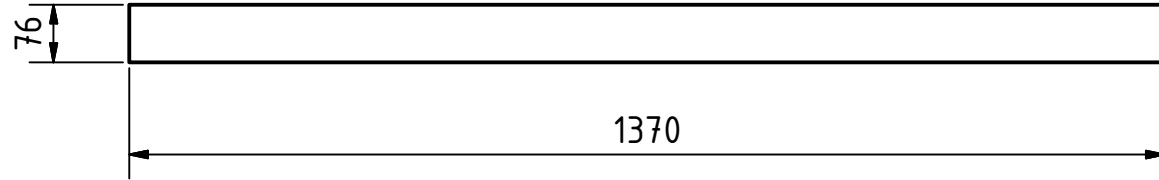


Note: all units are in mm

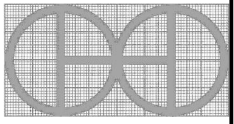
PROJECT		CREATED BY	APPROVED BY	DATE	VERSION
PROJECT NAME		J. ZERON	A. MORILLO	30-05-2021	1.0
PART NAME		FILE NAME			PART CODE
Beam 2" x 3"		Beam_1 - 2" x 3".ipt			3
DEVELOPED BY	REDESIGNED BY	SUPPORTED BY	DOC. TYPE	MATERIAL	QUANTITY
			PART	Hardwood	2
UNIVERSITY OF GHANA		OHO e.V.	LICENCE	SCALE	SHEET
			CC-BY-SA 4.0	1:20	7 /24



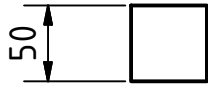
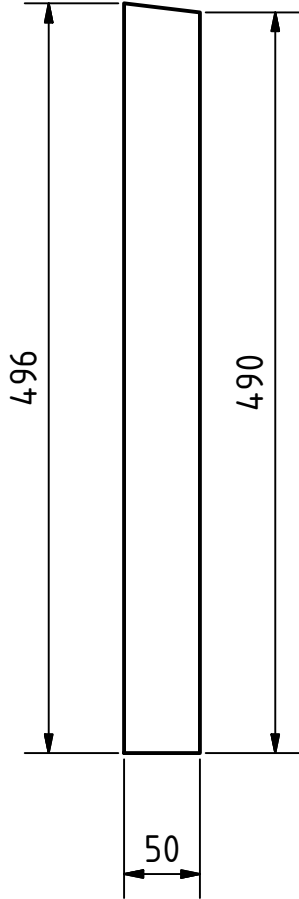
ELEVATION (1 : 10)



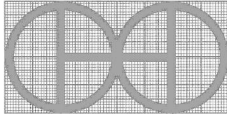
Note: all units are in mm

PROJECT		CREATED BY	APPROVED BY	DATE	VERSION
PROJECT NAME		J. ZERON	A. MORILLO	30-05-2021	1.0
PART NAME		FILE NAME			PART CODE
Beam_2 - 2" x 3"		Beam_2 - 2" x 3".ipt			4
DEVELOPED BY	REDESIGNED BY	SUPPORTED BY	DOC. TYPE	MATERIAL	QUANTITY
			PART	Hardwood	2
			LICENCE	SCALE	SHEET
UNIVERSITY OF GHANA	OHO e.V.		CC-BY-SA 4.0	1:10	8 /24

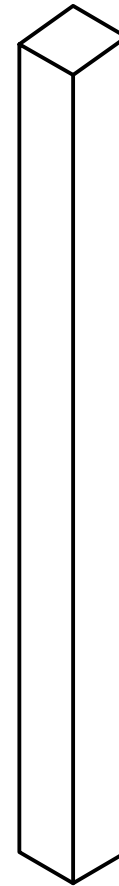
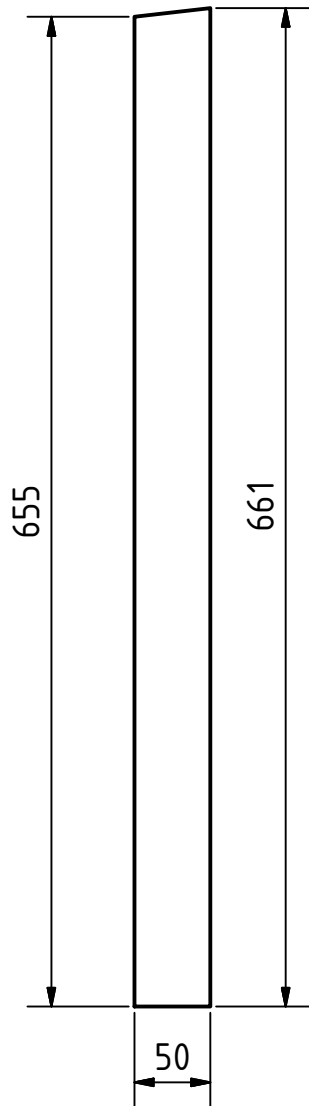
ELEVATION (1 : 5)



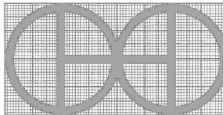
Note: all units are in mm

PROJECT		CREATED BY	APPROVED BY	DATE	VERSION
PROJECT NAME		J. ZERON	A. MORILLO	30-05-2021	1.0
PART NAME		FILE NAME			PART CODE
Column_2 - 2" x 2"		Column_2 - 2" x 2".ipt			5
DEVELOPED BY	REDESIGNED BY	SUPPORTED BY	DOC. TYPE	MATERIAL	QUANTITY
			PART	Hardwood	2
			LICENCE	SCALE	SHEET
UNIVERSITY OF GHANA	OHO e.V.		CC-BY-SA 4.0	1:5	9 /24

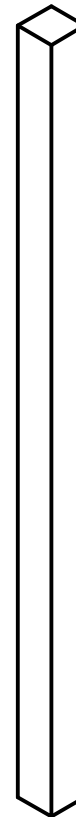
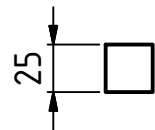
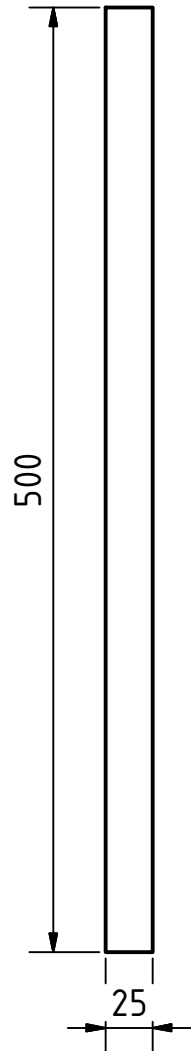
ELEVATION (1 : 5)



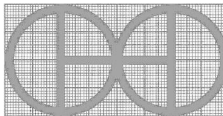
Note: all units are in mm

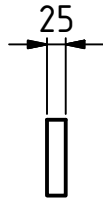
PROJECT		CREATED BY	APPROVED BY	DATE	VERSION
PROJECT NAME		J. ZERON	A. MORILLO	30-05-2021	1.0
PART NAME		FILE NAME			PART CODE
Column_3 - 2" x 2"		Column_3 - 2" x 2".ipt			6
DEVELOPED BY	REDESIGNED BY	SUPPORTED BY	DOC. TYPE	MATERIAL	QUANTITY
			PART	Hardwood	2
UNIVERSITY OF GHANA		OHO e.V.	LICENCE	SCALE	SHEET
			CC-BY-SA 4.0	1:5	10 /24

ELEVATION (1 : 4)

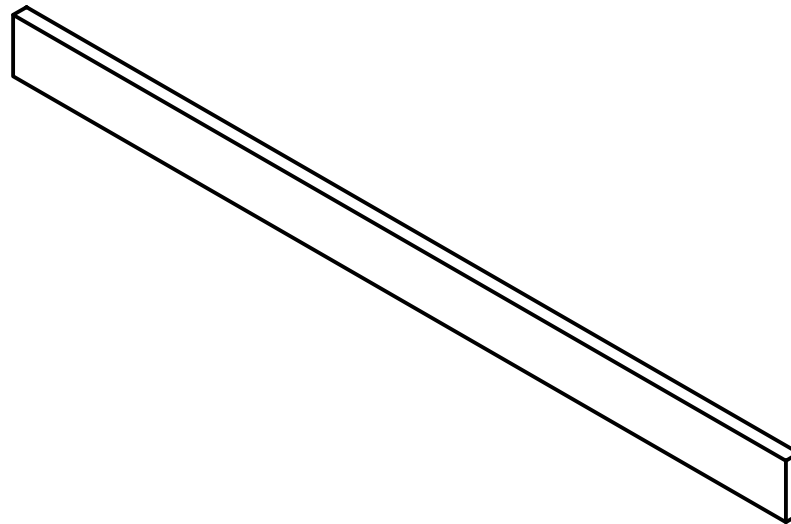
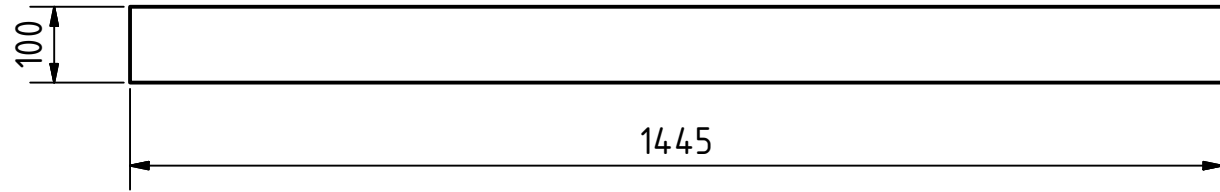


Note: all units are in mm

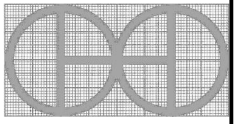
PROJECT		CREATED BY	APPROVED BY	DATE	VERSION
PROJECT NAME		J. ZERON	A. MORILLO	30-05-2021	1.0
PART NAME		FILE NAME			PART CODE
Column_4 - 1" x 1"		Column_4 - 1" x 1".ipt			7
DEVELOPED BY	REDESIGNED BY	SUPPORTED BY	DOC. TYPE	MATERIAL	QUANTITY
			PART	Hardwood	3
			LICENCE	SCALE	SHEET
UNIVERSITY OF GHANA	OHO e.V.		CC-BY-SA 4.0	1:4	11 /24

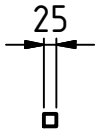


PLAN (1 : 10)

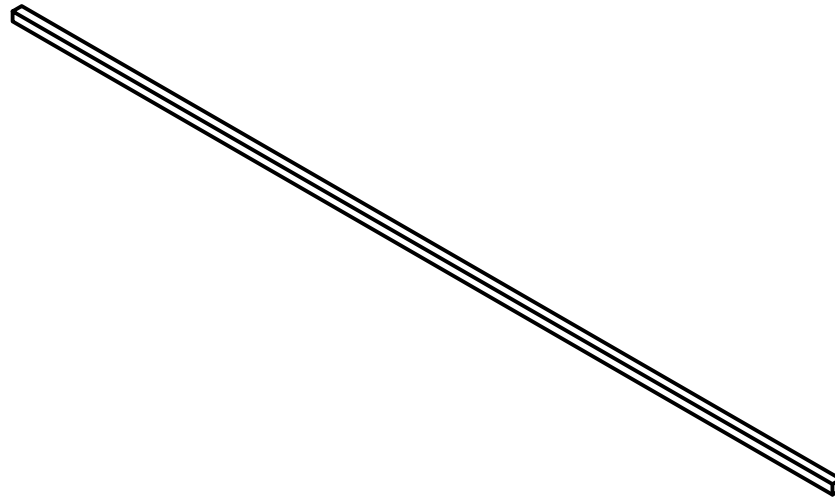
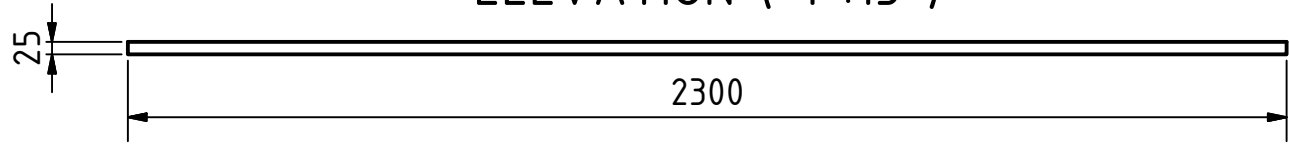


Note: all units are in mm

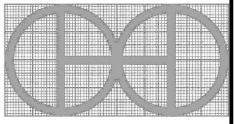
PROJECT		CREATED BY	APPROVED BY	DATE	VERSION
PROJECT NAME		J. ZERON	A. MORILLO	30-05-2021	1.0
PART NAME		FILE NAME			PART CODE
Floor Plank		Floor Plank.ipt			8
DEVELOPED BY	REDESIGNED BY	SUPPORTED BY	DOC. TYPE	MATERIAL	QUANTITY
			PART	Klin Dried Pine	23
			LICENCE	SCALE	SHEET
UNIVERSITY OF GHANA	OHO e.V.		CC-BY-SA 4.0	1:10	12 /24



ELEVATION (1 :15)

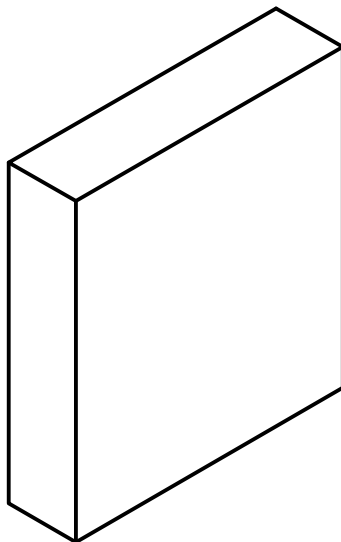
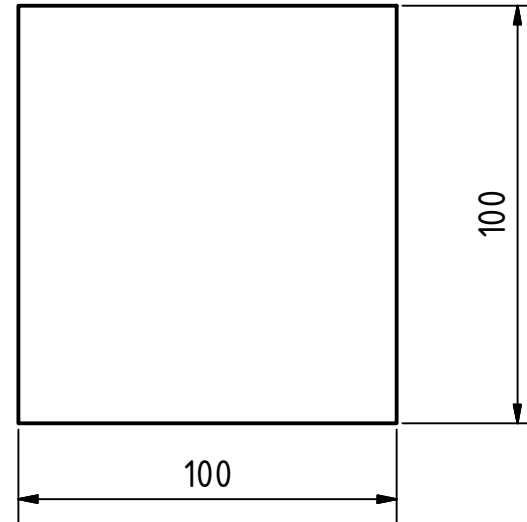


Note: all units are in mm

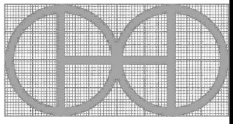
PROJECT		CREATED BY	APPROVED BY	DATE	VERSION
PROJECT NAME		J. ZERON	A. MORILLO	30-05-2021	1.0
PART NAME		FILE NAME			PART CODE
Beam_4 - 1" x 1"		Beam_4 - 1" x 1".ipt			9
DEVELOPED BY	REDESIGNED BY	SUPPORTED BY	DOC. TYPE	MATERIAL	QUANTITY
			PART	Hardwood	3
			LICENCE	SCALE	SHEET
UNIVERSITY OF GHANA	OHO e.V.		CC-BY-SA 4.0	1:15	13 /24

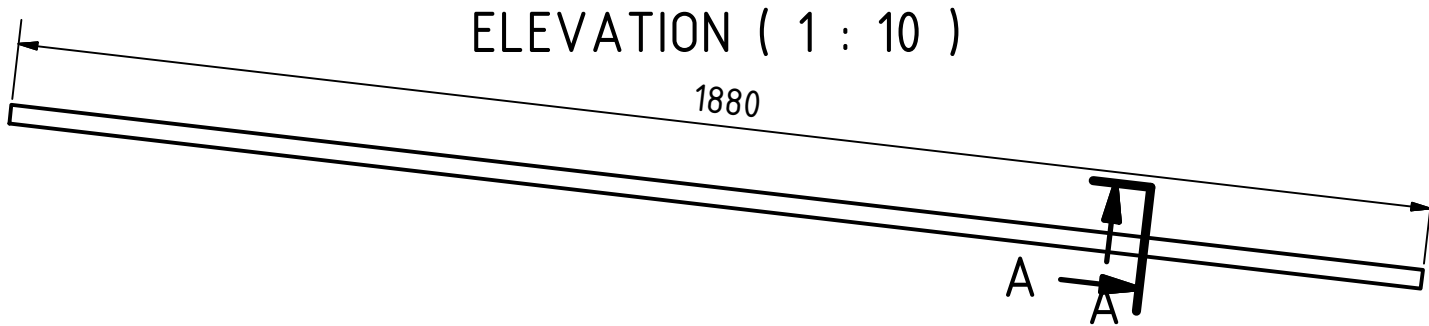


ELEVATION (1 : 2)

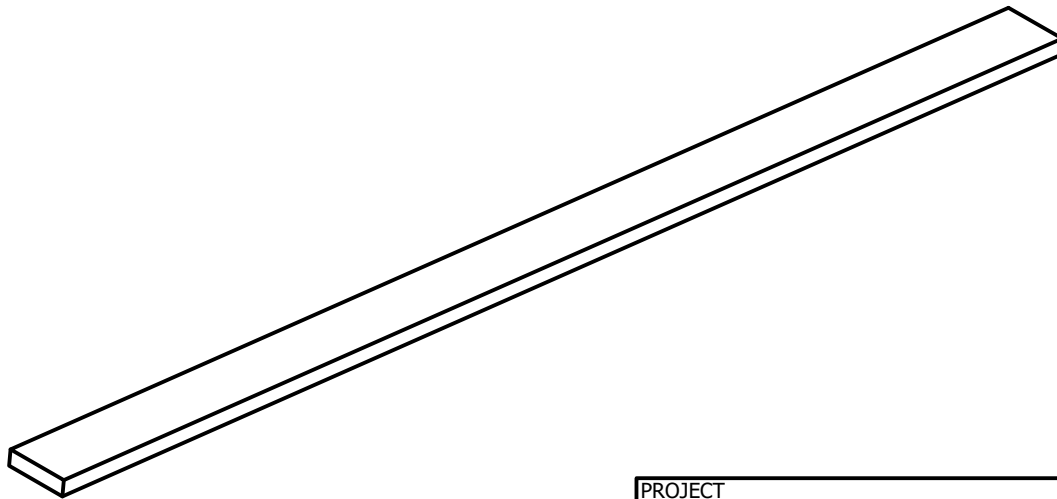
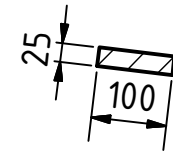


Note: all units are in mm

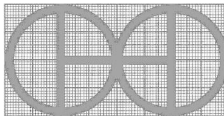
PROJECT		CREATED BY	APPROVED BY	DATE	VERSION
PROJECT NAME		J. ZERON	A. MORILLO	30-05-2021	1.0
PART NAME		FILE NAME			PART CODE
Top Plank		Top Plank.ipt			10
DEVELOPED BY	REDESIGNED BY	SUPPORTED BY	DOC. TYPE	MATERIAL	QUANTITY
			PART	Klin Dried Pine	23
			LICENCE	SCALE	SHEET
UNIVERSITY OF GHANA	OHO e.V.		CC-BY-SA 4.0	1:2	14 /24



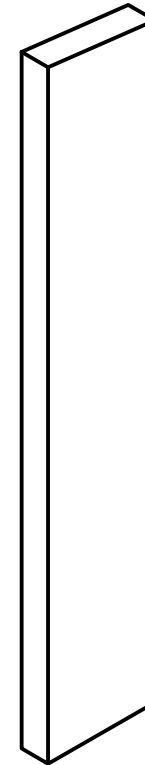
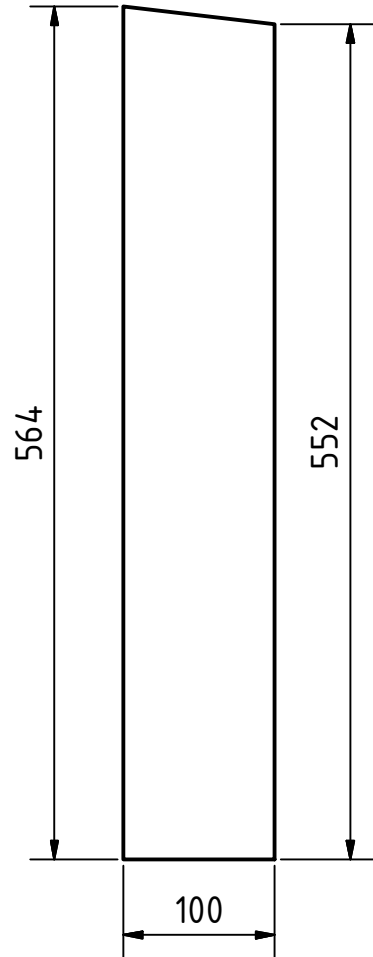
A-A (1 : 10)



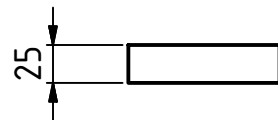
Note: all units are in mm

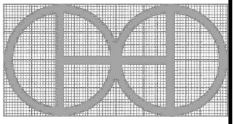
PROJECT		CREATED BY	APPROVED BY	DATE	VERSION
PROJECT NAME		J. ZERON	A. MORILLO	30-05-2021	1.0
PART NAME		FILE NAME			PART CODE
Roof Plank		Roof Plank.ipt			11
DEVELOPED BY	REDESIGNED BY	SUPPORTED BY	DOC. TYPE	MATERIAL	QUANTITY
			PART	Klin Dried Pine	24
UNIVERSITY OF GHANA		OHO e.V.	LICENCE	SCALE	SHEET
			CC-BY-SA 4.0	1:10	15 /24

ELEVATION (1 : 5)

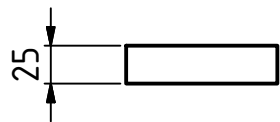
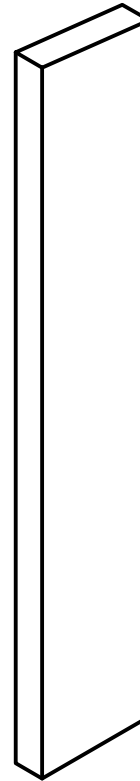
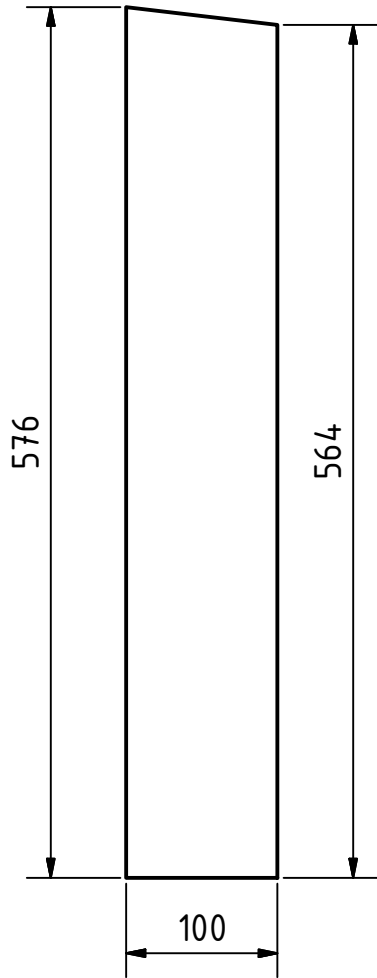


Note: all units are in mm

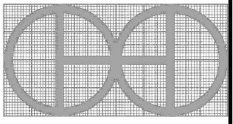


PROJECT		CREATED BY	APPROVED BY	DATE	VERSION
PROJECT NAME		J. ZERON	A. MORILLO	30-05-2021	1.0
PART NAME		FILE NAME			PART CODE
Side plank A		Side plank A.ipt			12
DEVELOPED BY	REDESIGNED BY	SUPPORTED BY	DOC. TYPE	MATERIAL	QUANTITY
			PART	Klin Dried Pine	2
UNIVERSITY OF GHANA		OHO e.V.	LICENCE	SCALE	SHEET
			CC-BY-SA 4.0		16 /24

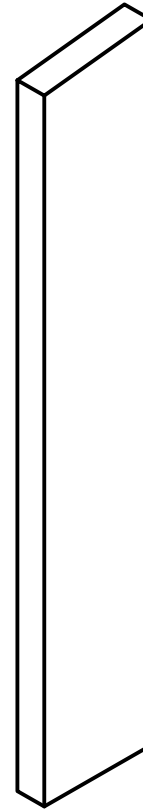
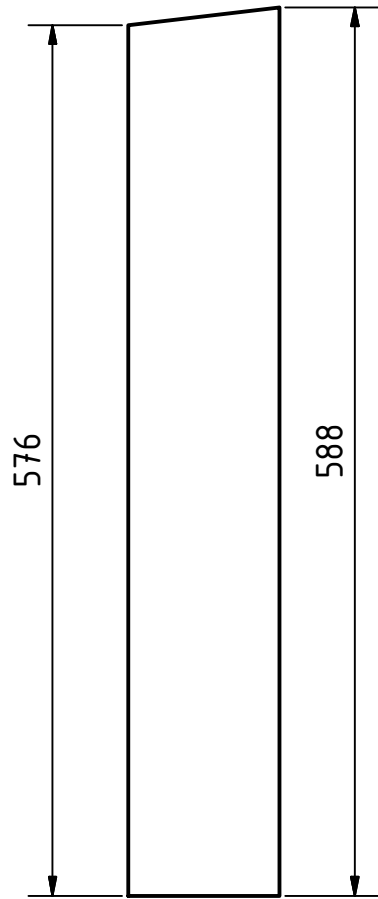
ELEVATION (1 : 5)



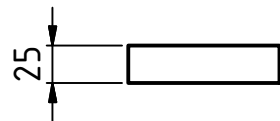
Note: all units are in mm

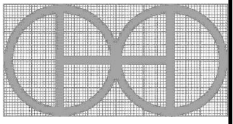
PROJECT		CREATED BY	APPROVED BY	DATE	VERSION
PROJECT NAME		J. ZERON	A. MORILLO	30-05-2021	1.0
PART NAME		FILE NAME			PART CODE
Side plank B		Side plank B.ipt			12.1
DEVELOPED BY	REDESIGNED BY	SUPPORTED BY	DOC. TYPE	MATERIAL	QUANTITY
			PART	Klin Dried Pine	2
UNIVERSITY OF GHANA		OHO e.V.	LICENCE	SCALE	SHEET
			CC-BY-SA 4.0	1:5	17 /24

ELEVATION (1 : 5)

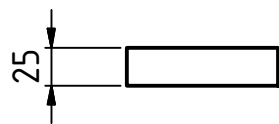
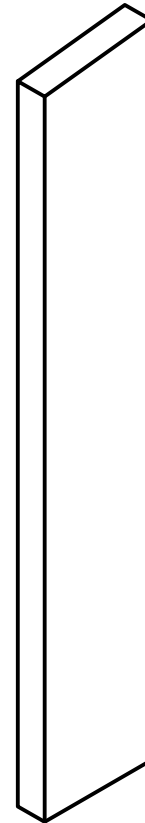
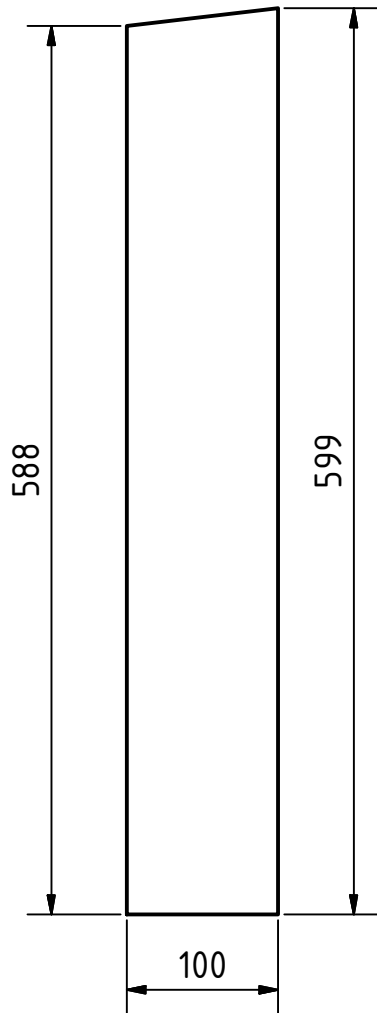


Note: all units are in mm

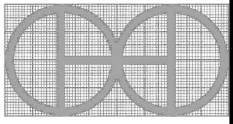


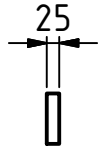
PROJECT		CREATED BY	APPROVED BY	DATE	VERSION
PROJECT NAME		J. ZERON	A. MORILLO	30-05-2021	1.0
PART NAME		FILE NAME			PART CODE
Side plank C		Side plank C.ipt			12.2
DEVELOPED BY	REDESIGNED BY	SUPPORTED BY	DOC. TYPE	MATERIAL	QUANTITY
			PART	Klin Dried Pine	2
			LICENCE	SCALE	SHEET
UNIVERSITY OF GHANA	OHO e.V.		CC-BY-SA 4.0	1:5	18 /24

ELEVATION (1 : 5)

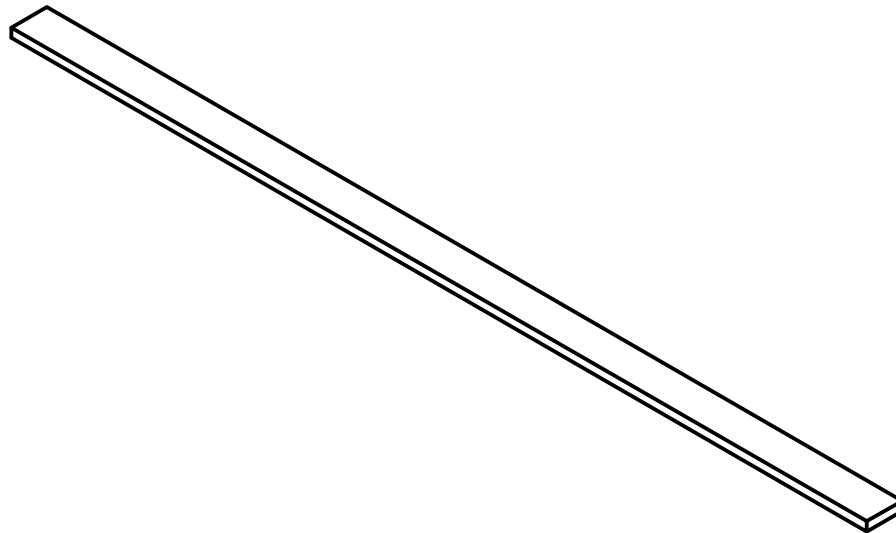
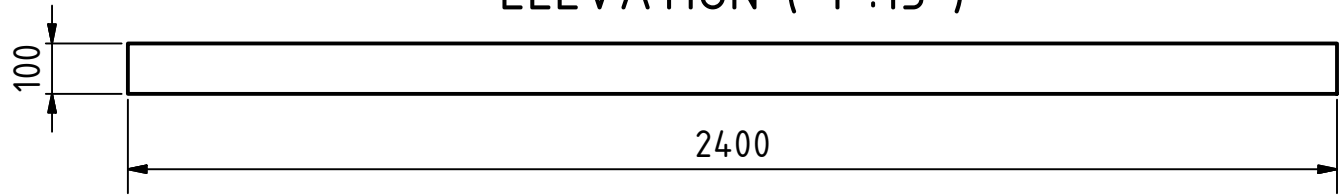


Note: all units are in mm

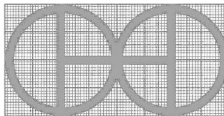
PROJECT		CREATED BY	APPROVED BY	DATE	VERSION
PROJECT NAME		J. ZERON	A. MORILLO	30-05-2021	1.0
PART NAME		FILE NAME			PART CODE
Side plank D		Side plank D.ipt			12.3
DEVELOPED BY	REDESIGNED BY	SUPPORTED BY	DOC. TYPE	MATERIAL	QUANTITY
			PART	Klin Dried Pine	2
			LICENCE	SCALE	SHEET
UNIVERSITY OF GHANA	OHO e.V.		CC-BY-SA 4.0	1:5	19 /24



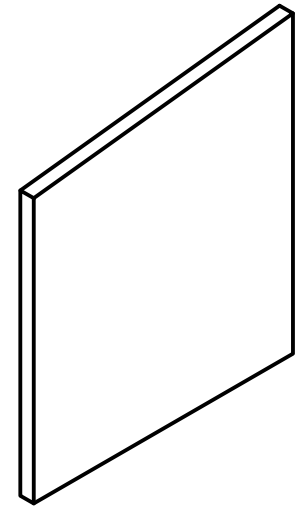
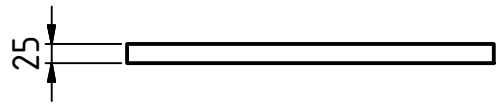
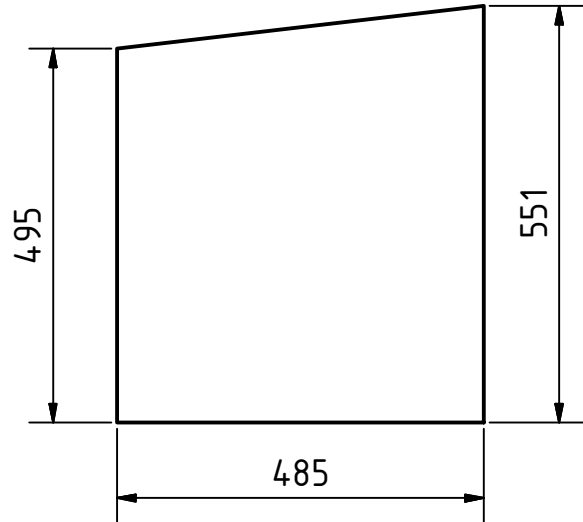
ELEVATION (1 :15)



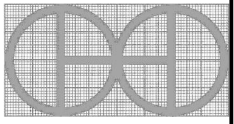
Note: all units are in mm

PROJECT		CREATED BY	APPROVED BY	DATE	VERSION
PROJECT NAME		J. ZERON	A. MORILLO	30-05-2021	1.0
PART NAME		FILE NAME			PART CODE
Rear Plank		Rear Plank.ipt			13
DEVELOPED BY	REDESIGNED BY	SUPPORTED BY	DOC. TYPE	MATERIAL	QUANTITY
			PART	Klin Dried Pine	5
UNIVERSITY OF GHANA		OHO e.V.	LICENCE	SCALE	SHEET
			CC-BY-SA 4.0	1:15	20 /24

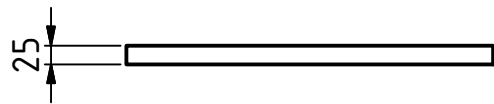
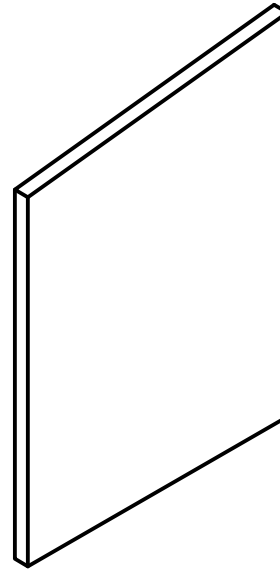
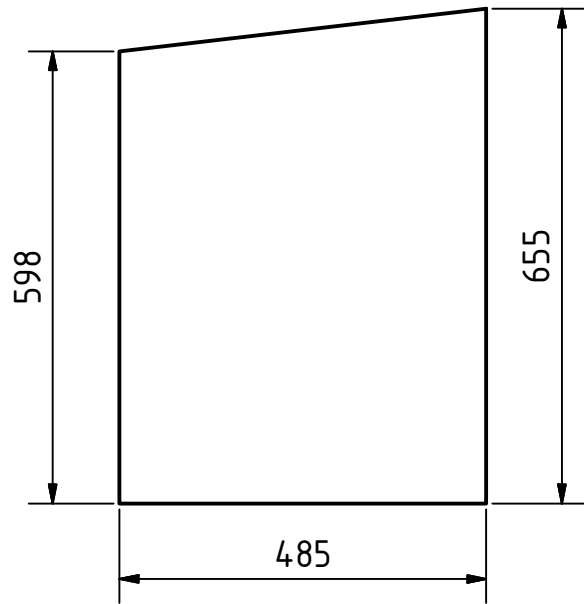
ELEVATION (1 : 10)



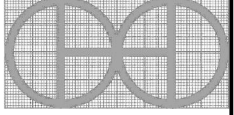
Note: all units are in mm

PROJECT		CREATED BY	APPROVED BY	DATE	VERSION
PROJECT NAME		J. ZERON	A. MORILLO	30-05-2021	1.0
PART NAME		FILE NAME			PART CODE
Side Wall A		Side Wall A			14
DEVELOPED BY	REDESIGNED BY	SUPPORTED BY	DOC. TYPE	MATERIAL	QUANTITY
			PART	Plywood	2
			LICENCE	SCALE	SHEET
UNIVERSITY OF GHANA	OHO e.V.		CC-BY-SA 4.0	1:10	21 /24

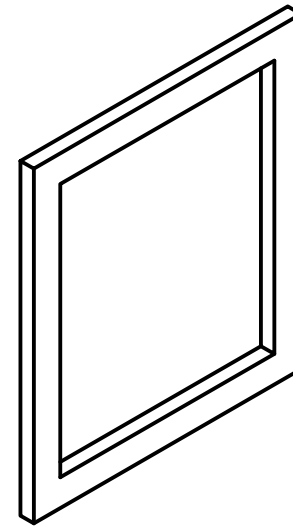
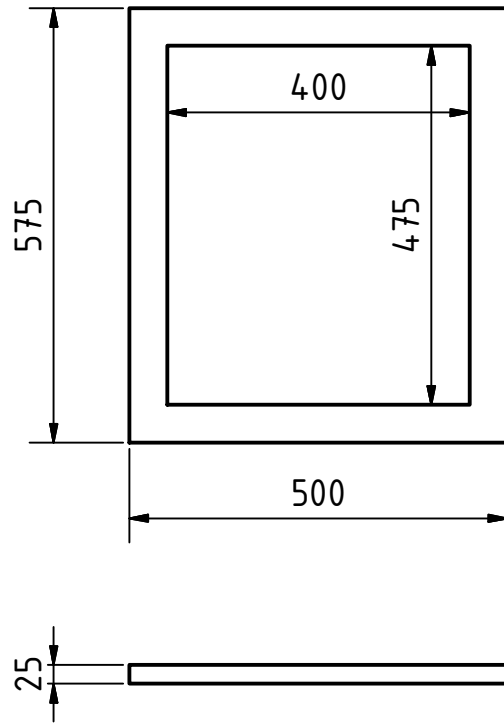
ELEVATION (1 : 10)



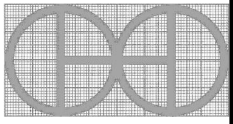
Note: all units are in mm

PROJECT		CREATED BY	APPROVED BY	DATE	VERSION
PROJECT NAME		J. ZERON	A. MORILLO	30-05-2021	1.0
PART NAME		FILE NAME			PART CODE
Side Wall B		Side Wall B			15
DEVELOPED BY	REDESIGNED BY	SUPPORTED BY	DOC. TYPE	MATERIAL	QUANTITY
			PART	Plywood	2
UNIVERSITY OF GHANA		OHO e.V.	LICENCE	SCALE	SHEET
			CC-BY-SA 4.0	1:10	22 /24

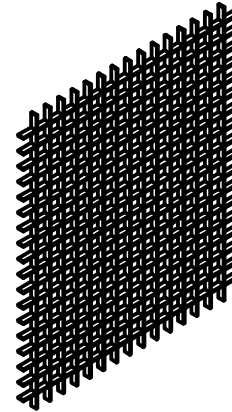
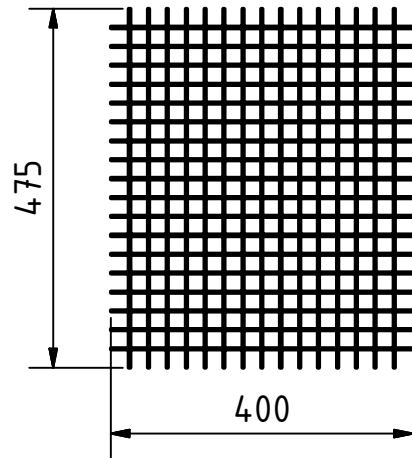
ELEVATION (1 : 10)



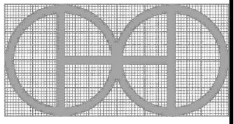
Note: all units are in mm

PROJECT		CREATED BY	APPROVED BY	DATE	VERSION
PROJECT NAME		J. ZERON	A. MORILLO	30-05-2021	1.0
PART NAME		FILE NAME			PART CODE
Frame		Frame.ipt			17
DEVELOPED BY	REDESIGNED BY	SUPPORTED BY	DOC. TYPE	MATERIAL	QUANTITY
			PART	Plywood	3
UNIVERSITY OF GHANA		OHO e.V.	LICENCE	SCALE	SHEET
			CC-BY-SA 4.0	1:10	23 /24

ELEVATION (1 : 10)



Note: all units are in mm

PROJECT		CREATED BY	APPROVED BY	DATE	VERSION
PROJECT NAME		J. ZERON	A. MORILLO	30-05-2021	1.0
PART NAME		FILE NAME			PART CODE
Grid		Grid.ipt			18
DEVELOPED BY	REDESIGNED BY	SUPPORTED BY	DOC. TYPE	MATERIAL	QUANTITY
			PART	Chicken Wire	3
UNIVERSITY OF GHANA		OHO e.V.	LICENCE	SCALE	SHEET
			CC-BY-SA 4.0	1:10	24 /24