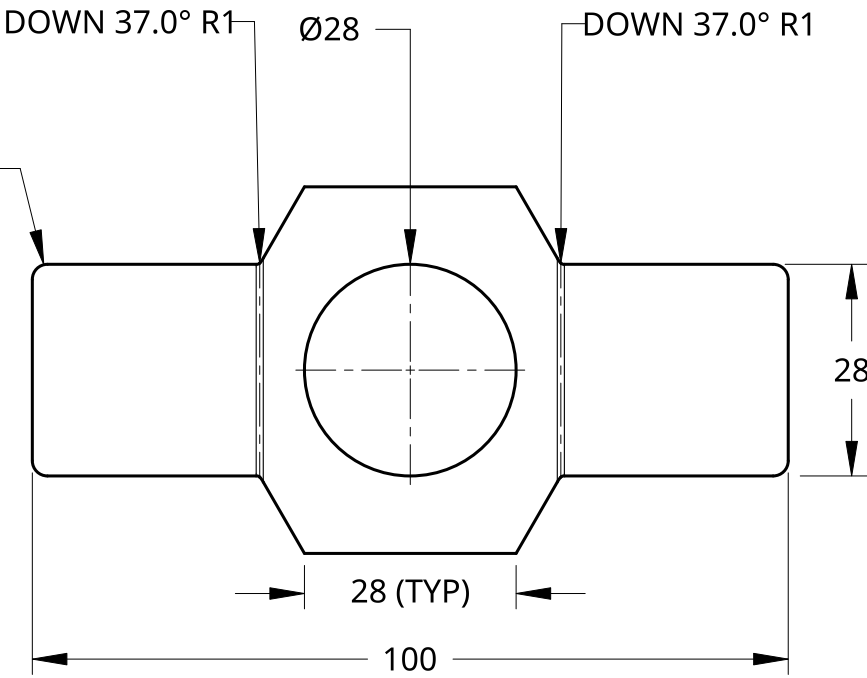


B

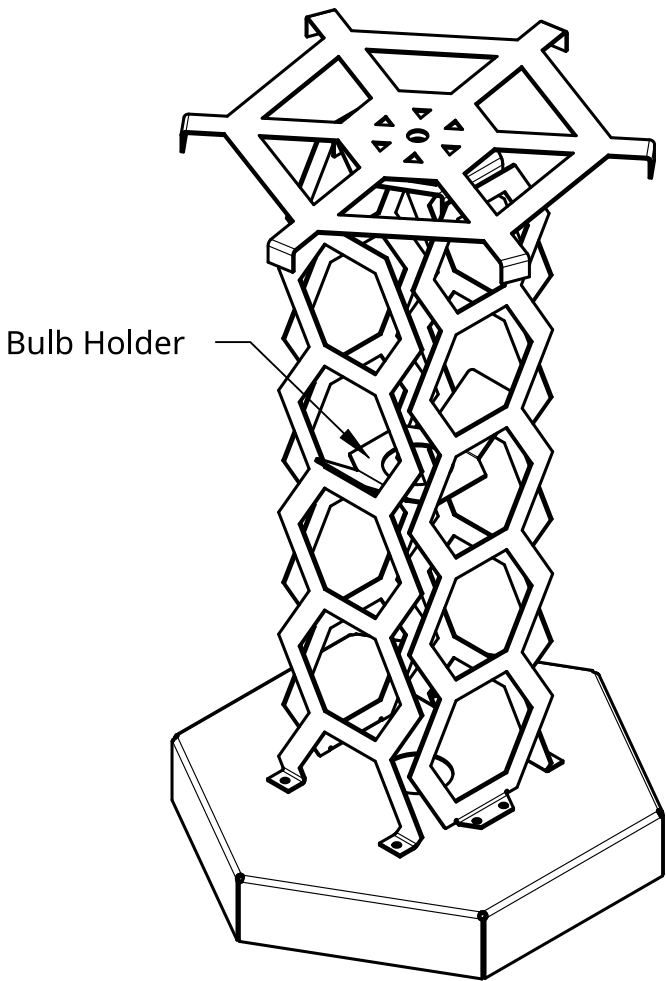
A



1

B

A



SCALE 1:3

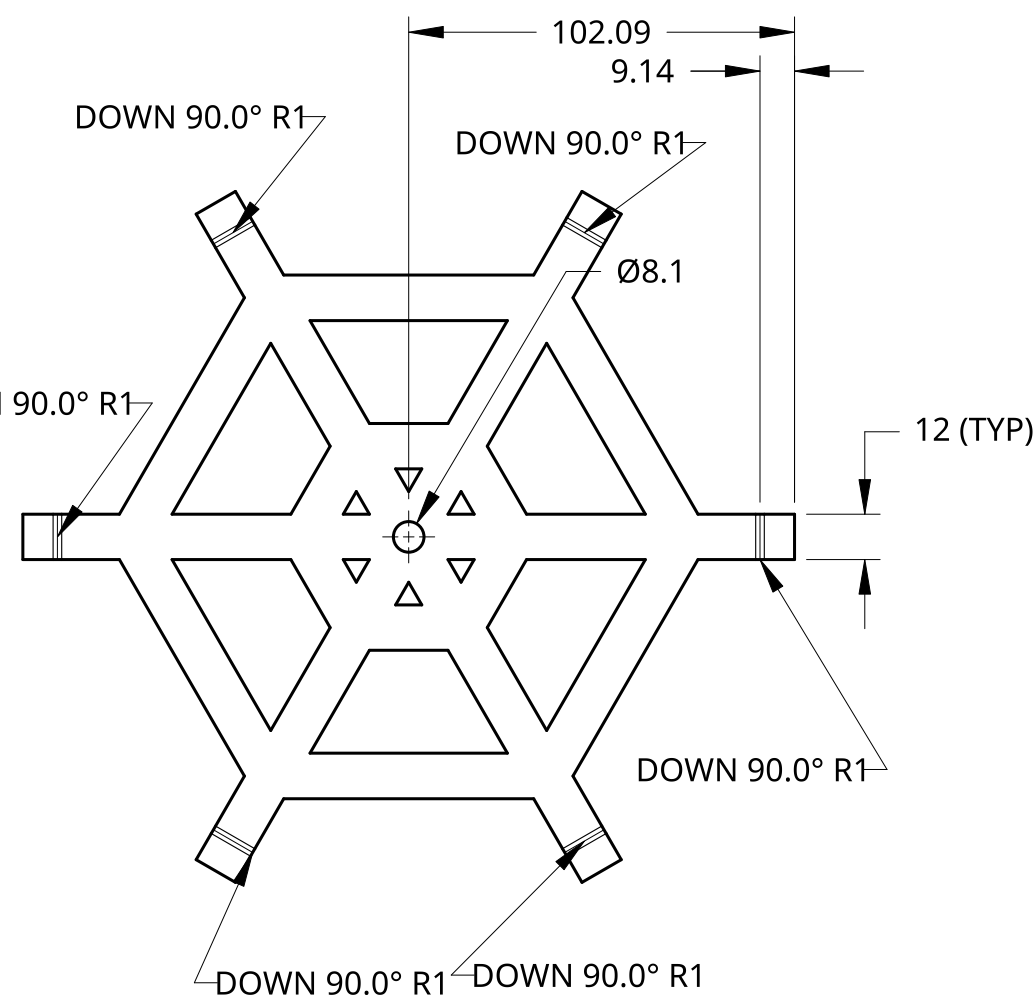
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS X.X = ±0.5 mm X.XX = ±0.25 mm X.XXX = ±0.125 mm	NAME		DATE	Sheet Metal Lamp		
	DRAWN	HANNAH LOLY	02/03/2024			
	COURSE	Design for Fabrication	Daniela Faas	Bulb Holder		
	QUANTITY	2				
DO NOT SCALE DRAWING						
THIRD ANGLE PROJECTION	MATERIAL	FINISH		SIZE	DWG NO.	REV.
	Low Carbon Steel			A	1	1
	21 ga			SCALE	1:1	WEIGHT
						.023 kg
						SHEET
						1 of 10

2

1

B

A

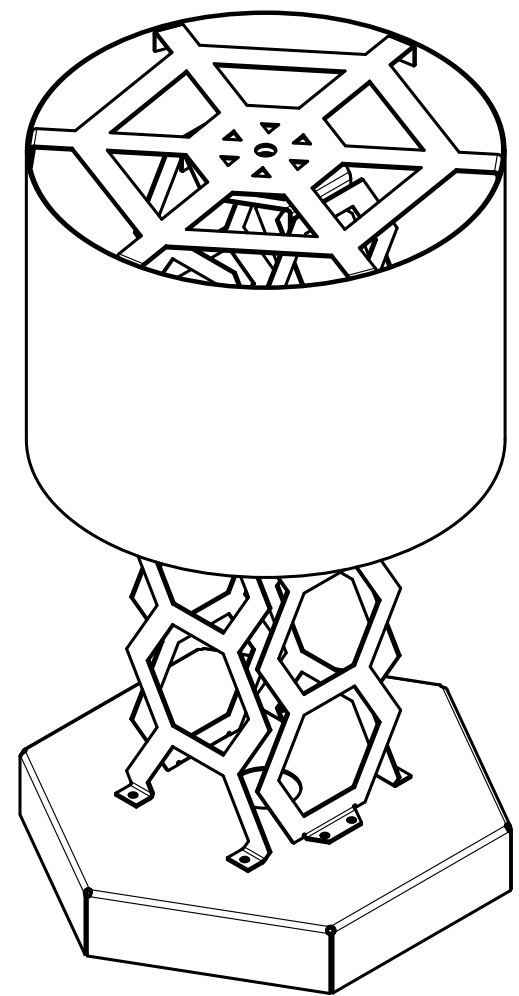


Note: outer hexagon has side length 80 mm; inner hexagon 34.64 mm

1

B

A

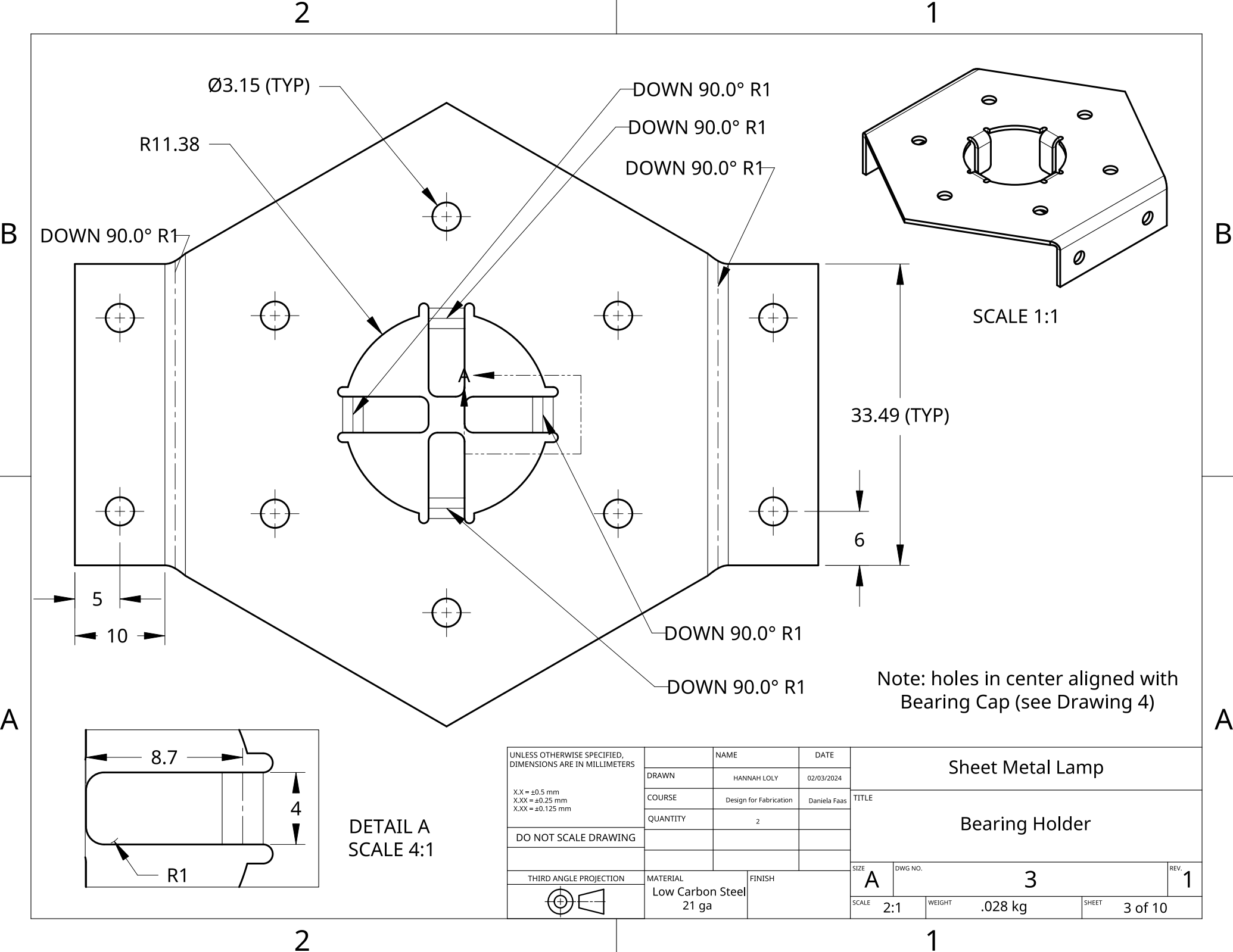


SCALE 1:3

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS X.X = ±0.5 mm X.XX = ±0.25 mm X.XXX = ±0.125 mm		NAME	DATE	Sheet Metal Lamp		
	DRAWN	HANNAH LOLY	02/03/2024	TITLE Spiderweb		
	COURSE	Design for Fabrication	Daniela Faas			
	QUANTITY	2				
	DO NOT SCALE DRAWING					
THIRD ANGLE PROJECTION		MATERIAL	FINISH	SIZE	DWG NO.	REV.
		Low Carbon Steel		A	2	1
		21 ga		SCALE 1:2	WEIGHT .096 kg	SHEET 2 of 10

2

1



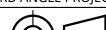
SCALE 1:1

33.49 (TYP)

6

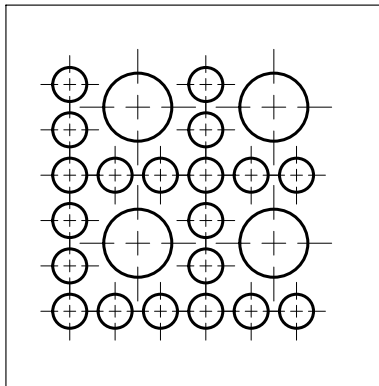
Note: holes in center aligned with
Bearing Cap (see Drawing 4)

DETAIL A
SCALE 4:1

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS X,X = ±0.5 mm X,XX = ±0.25 mm X,XXX = ±0.125 mm	NAME		DATE		Sheet Metal Lamp			
	DRAWN		HANNAH LOLY					
	COURSE		Design for Fabrication		Daniela Faas		TITLE Bearing Holder	
	QUANTITY		2					
	DO NOT SCALE DRAWING							
THIRD ANGLE PROJECTION		MATERIAL		FINISH		SIZE	DWG NO.	REV.
		Low Carbon Steel				A	3	1
		21 ga				SCALE	2:1	WEIGHT

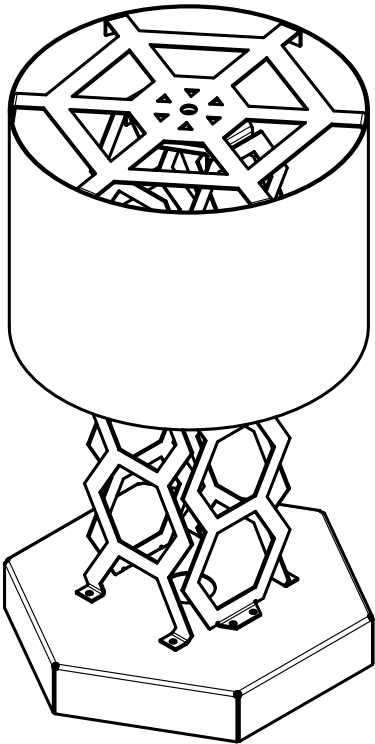
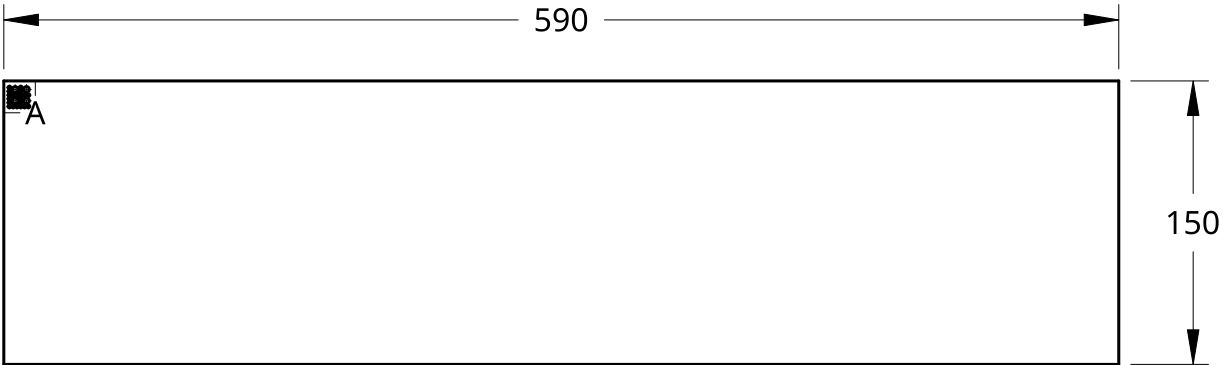
2

1



Note: Sheet metal purchased from Home Depot and pattern repeated throughout sheet

DETAIL A
SCALE 3:1



B

B

A

A

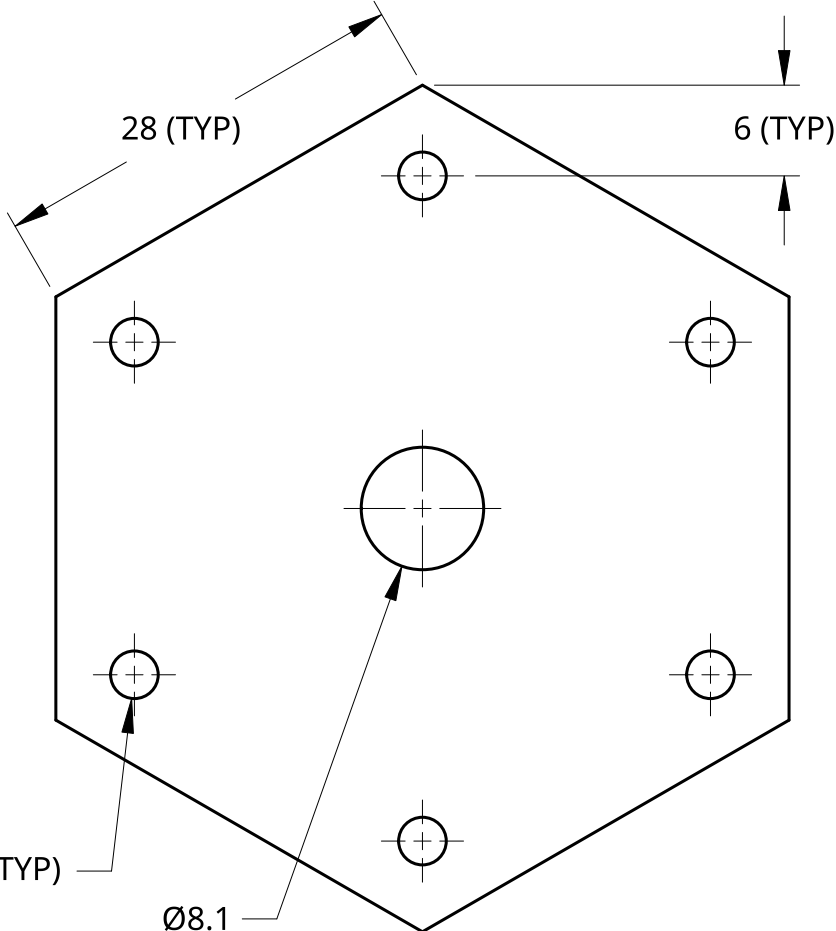
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS X.X = ±0.5 mm X.XX = ±0.25 mm X.XXX = ±0.125 mm	NAME		DATE	Sheet Metal Lamp		
	DRAWN	HANNAH LOLY	02/05/2024	TITLE Lampshade		
	COURSE	Design for Fabrication	Daniela Faas			
	QUANTITY	2				
DO NOT SCALE DRAWING						
THIRD ANGLE PROJECTION	MATERIAL		FINISH	SIZE	DWG NO.	REV.
	Low Carbon Steel			A	4	1
	21 ga			SCALE 1:4	WEIGHT	SHEET 4 of 10

2

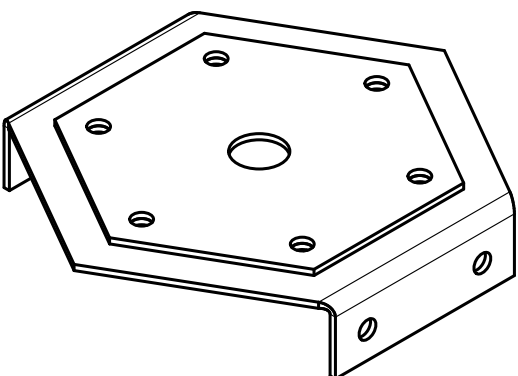
1

B

A



1



SCALE 1:1

B

A

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS X.X = ±0.5 mm X.XX = ±0.25 mm X.XXX = ±0.125 mm		NAME	DATE	Sheet Metal Lamp		
	DRAWN	HANNAH LOLY	02/03/2024	TITLE Bearing Cap		
	COURSE	Design for Fabrication	Daniela Faas			
	Quantity	1				
DO NOT SCALE DRAWING						
THIRD ANGLE PROJECTION	MATERIAL	FINISH		SIZE	DWG NO.	REV.
	Low Carbon Steel			A	5	1
	21 ga			SCALE 2:1	WEIGHT .015 kg	SHEET 5 of 10

2

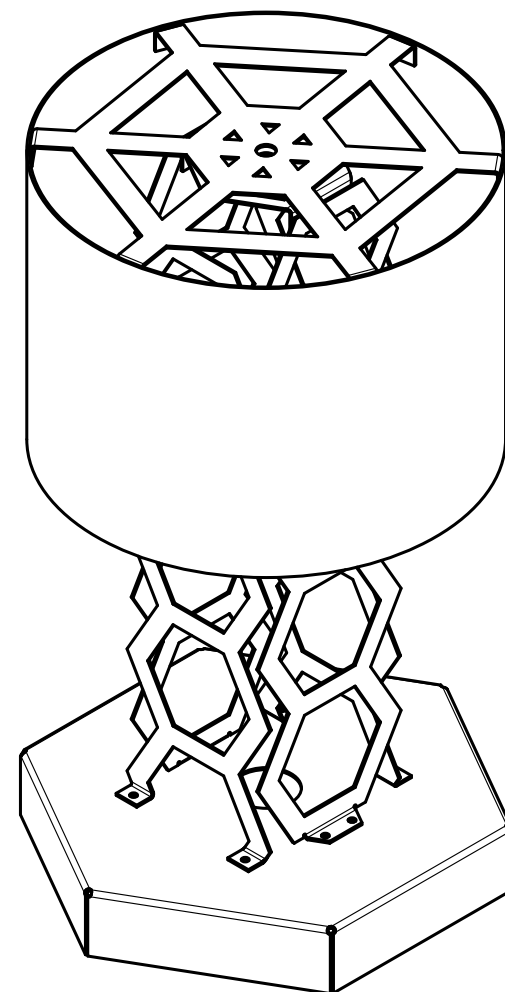
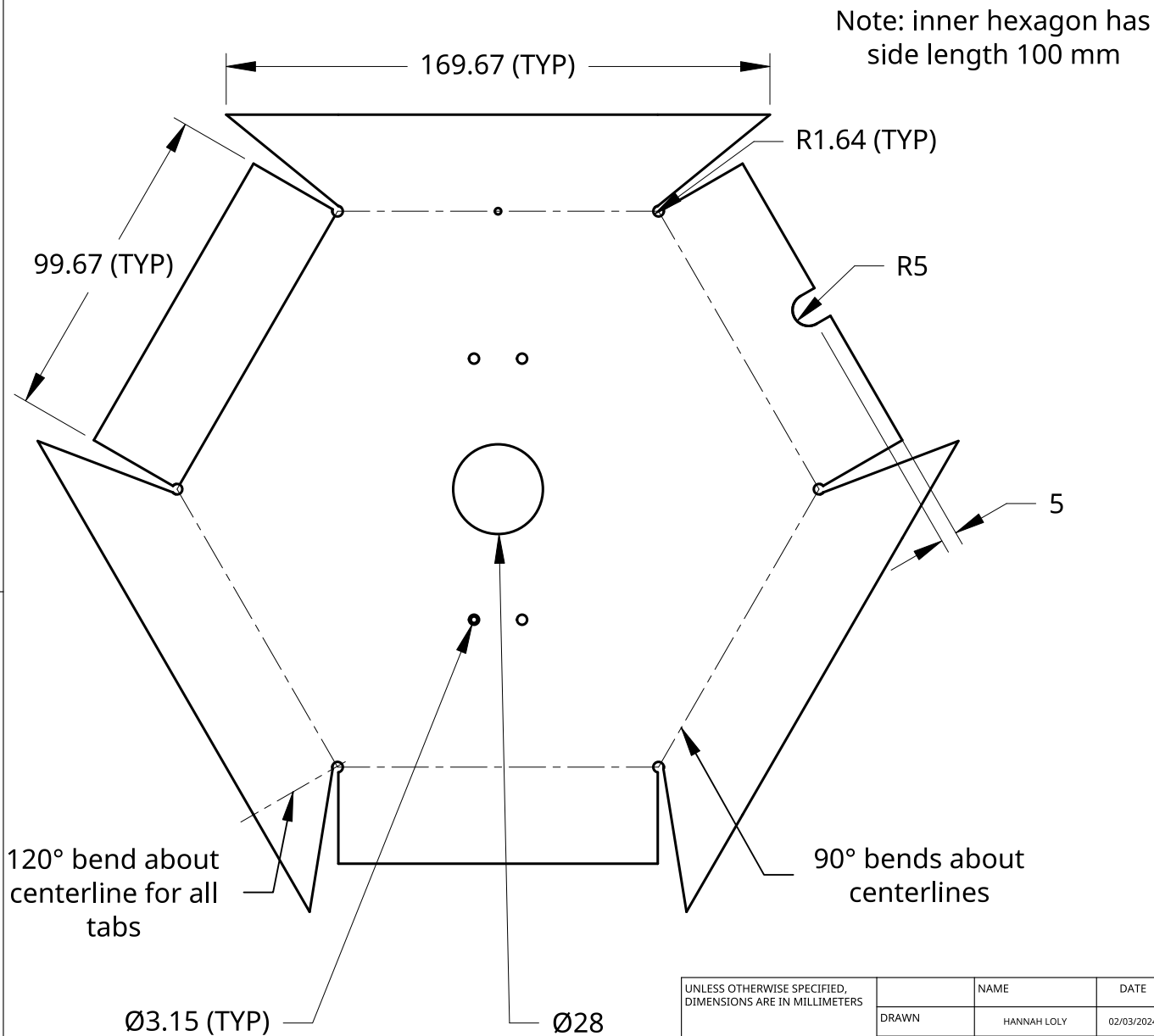
1

B

A

B

A

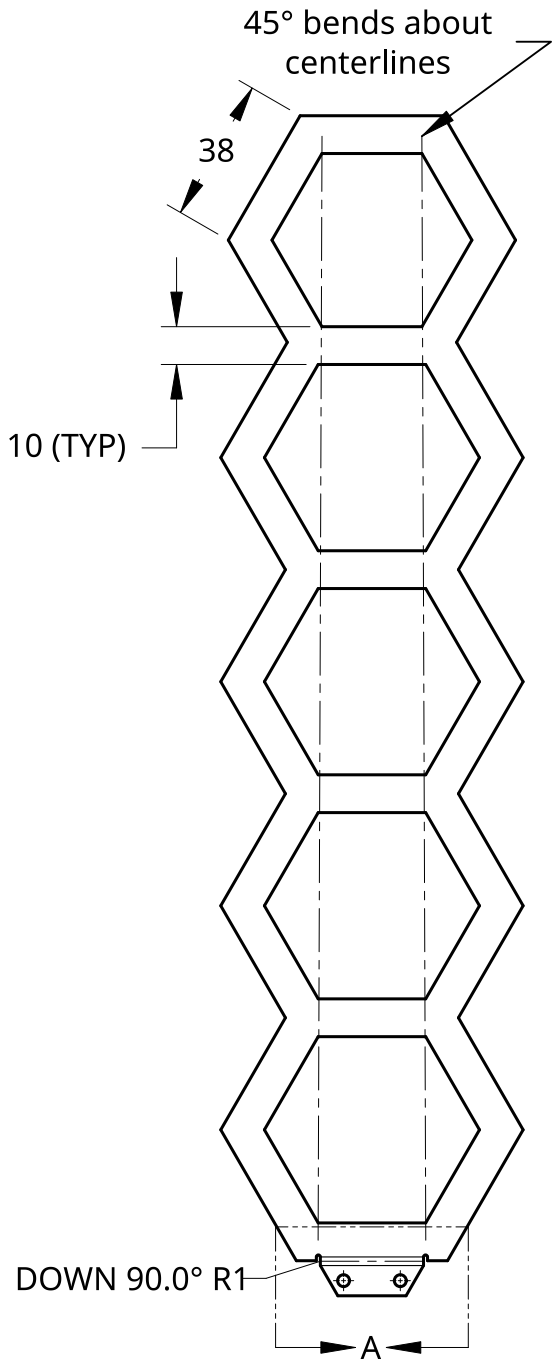


Note: holes drilled after bending of hexagon chassis

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS X.X = ±0.5 mm X.XX = ±0.25 mm X.XXX = ±0.125 mm	NAME		DATE	Sheet Metal Lamp		
	DRAWN	HANNAH LOLY	02/03/2024			
	COURSE	Design for Fabrication	Daniela Faas	Hexagon Base		
	QUANTITY	2				
DO NOT SCALE DRAWING						
THIRD ANGLE PROJECTION	MATERIAL	FINISH		SIZE	DWG NO.	REV.
	Aluminum			A	6	1
				SCALE	1:2	WEIGHT
						.117 kg
				SHEET	6 of 10	

B

A

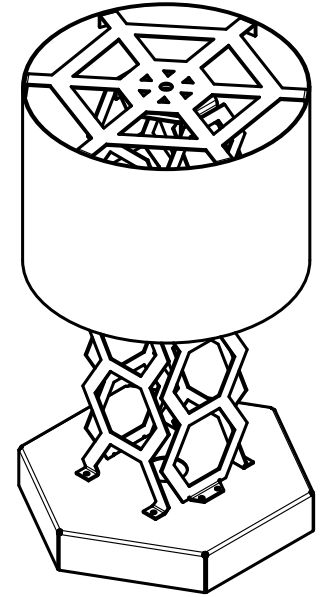
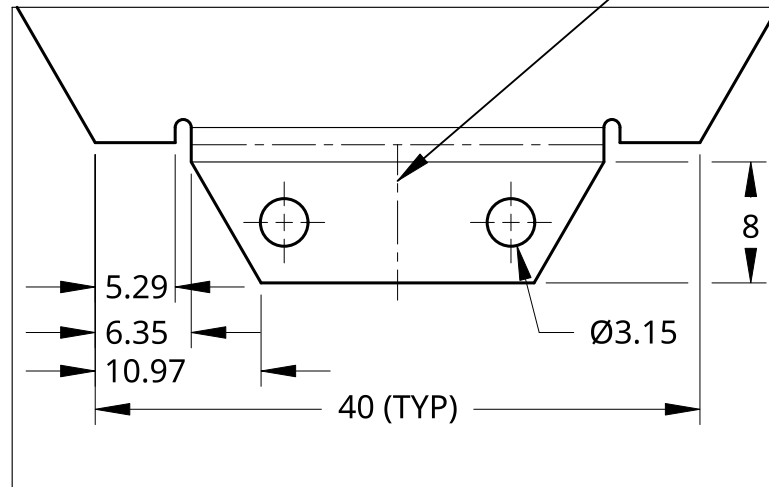


2

1

B

A

DETAIL A
SCALE 2:1Symmetrical
about centerline

SCALE 1:5

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS X.X = ±0.5 mm X.XX = ±0.25 mm X.XX = ±0.125 mm	NAME		DATE		Sheet Metal Lamp														
	DRAWN		HANNAH LOLY						02/03/2024										
	COURSE		Design for Fabrication		Daniela Faas		Hexagon Chassis												
	QUANTITY		2																
DO NOT SCALE DRAWING																			
THIRD ANGLE PROJECTION				MATERIAL		FINISH		SIZE		DWG NO.		REV.							
				Low Carbon Steel 21 ga				A		7		1							
								SCALE		1:2		WEIGHT		.068 kg		SHEET		7 of 10	

1

1

Technical drawing of a mechanical part. The drawing shows a cross-section of a part with a central hole. The dimensions are as follows:

- Overall width: 11.55
- Overall height: 8
- Central hole diameter: $\varnothing 3.15$

DETAIL A
SCALE 2:1

SCALE 1:4

4.62

DOWN 90.0° R1-

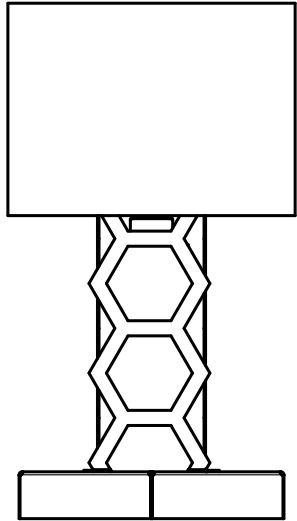
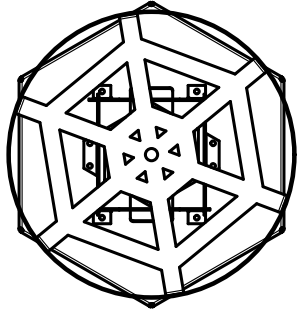
DOWN 90.0° R1

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS X.X = ±0.5 mm X.XX = ±0.25 mm X.XX = ±0.125 mm	NAME		DATE		Sheet Metal Lamp							
	DRAWN		HANNAH LOLY								02/03/2024	
	COURSE		Design for Fabrication		Daniela Faas		TITLE Hexagon Support					
	QUANTITY		2									
DO NOT SCALE DRAWING												
THIRD ANGLE PROJECTION		MATERIAL		FINISH		SIZE		DWG NO.		REV.		
		Low Carbon Steel 21 ga				A		8		1		
						SCALE		WEIGHT		SHEET		
						1:2		.062 kg		8 of 10		

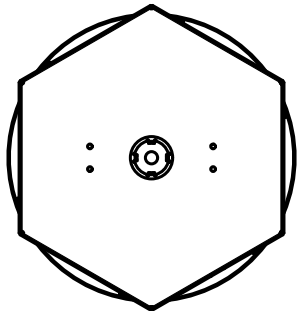
2

1

B

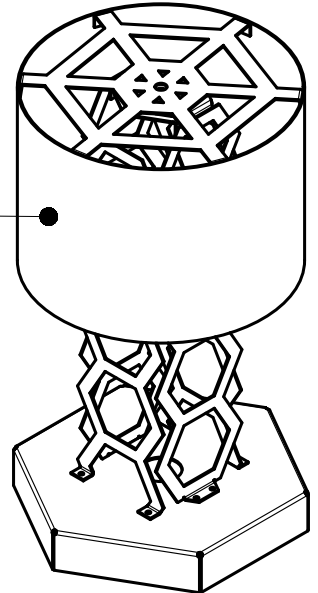


A



2

1



B

A

1

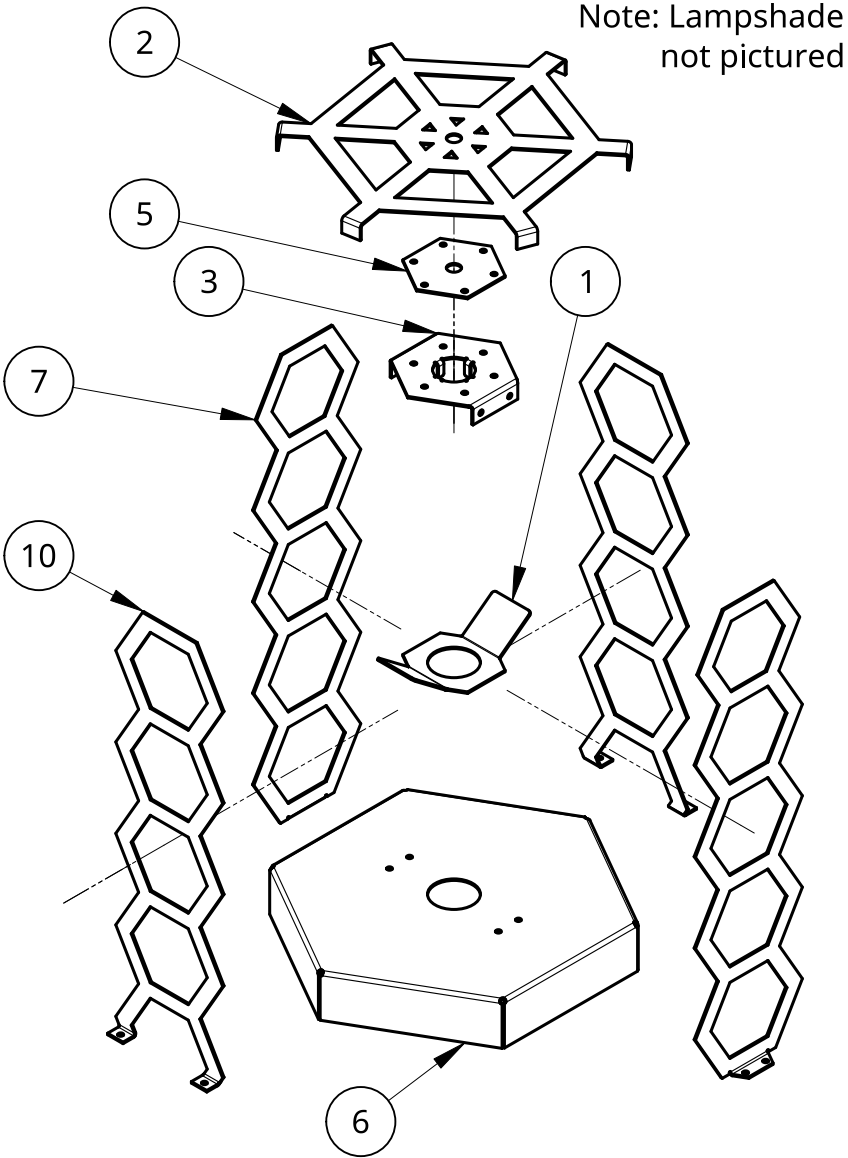
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS	NAME		DATE	Sheet Metal Lamp		
	DRAWN	HANNAH LOLY	02/05/2024			
	COURSE	Design for Fabrication	Daniela Faas	Full Assembly		
	QUANTITY	NA				
DO NOT SCALE DRAWING						
THIRD ANGLE PROJECTION	MATERIAL		FINISH	SIZE	DWG NO.	REV.
				A	9	1
				SCALE	1:5	WEIGHT
						SHEET
						9 of 10

Item	Quantity	Name	Manufacturing Technique
1	1	Bulb Holder	Sheet Metal Brake
2	1	Spiderweb	Hand Bender & Hole Punch
3	1	Bearing Holder	Hand Bender & Arbor Press
4	1	Lampshade	Rolled by Hand
5	1	Bearing Cap	Hole Punch
6	1	Hexagon Base	Hole Punch and Riveter
7	1	Hexagon Chassis L	SM Brake & Spot Welder
8	1	Hexagon Chassis R	SM Brake & Spot Welder
9	1	Hexagon Support B	SM Brake & Spot Welder
10	1	Hexagon Support F	SM Brake & Spot Welder

Note: Hexagon Supports
(9 & 10) are the same

Note: Hexagon Chassis (7
& 8) are the same

Note: All pieces waterjet except Lampshade;
all pieces low carbon steel 21 gauge
excepting aluminum Hexagon Base and
Lampshade



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS	NAME	DATE	Sheet Metal Lamp		
	DRAWN	HANNAH LOLY	02/05/2024	TITLE	
	COURSE	Design for Fabrication	Daniela Faas	Exploded View	
	QUANTITY	NA			
DO NOT SCALE DRAWING					
THIRD ANGLE PROJECTION	MATERIAL	FINISH	SIZE	DWG NO.	REV.
			A	10	1
			SCALE 1:8	WEIGHT	SHEET 10 of 10