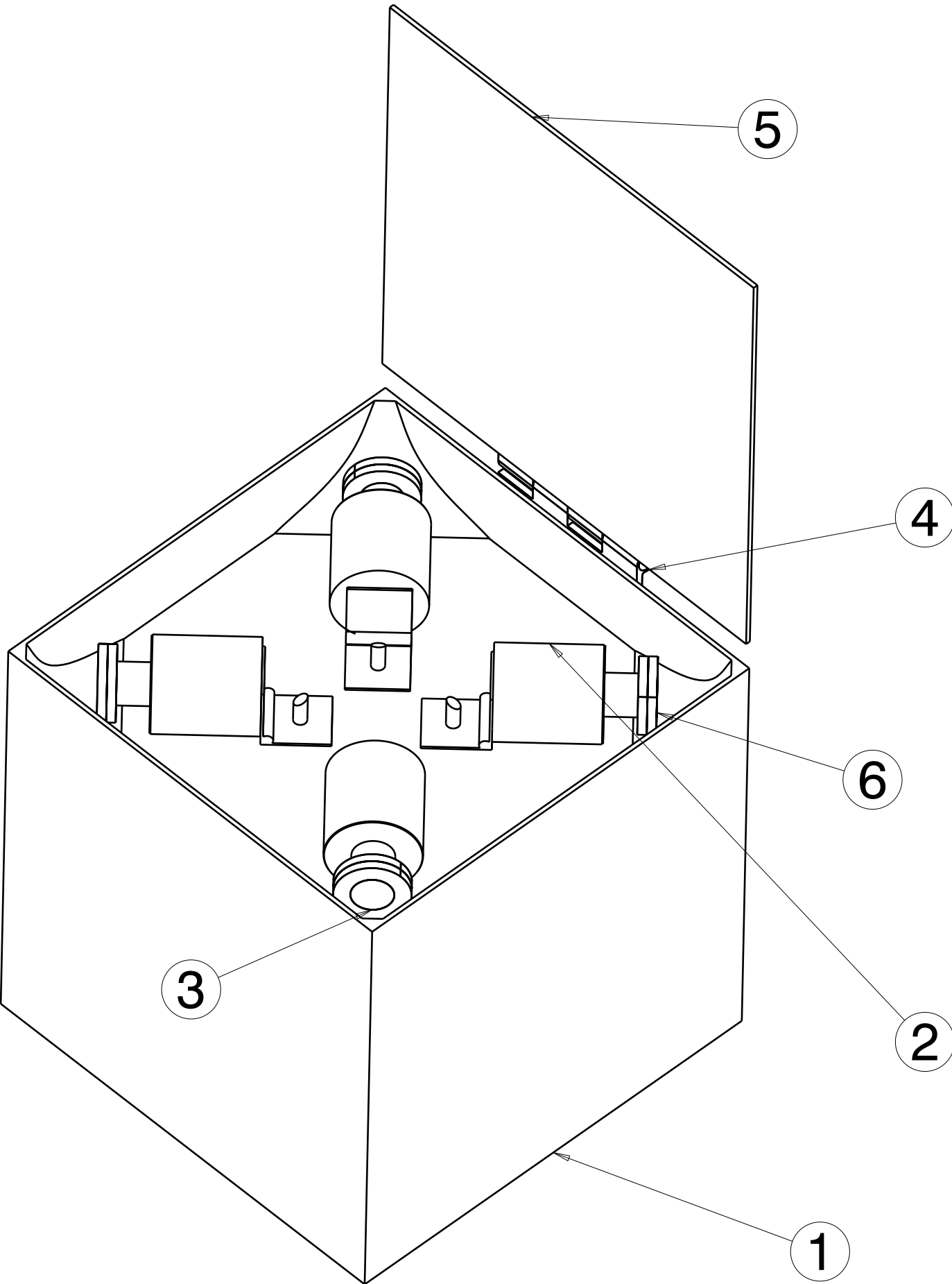
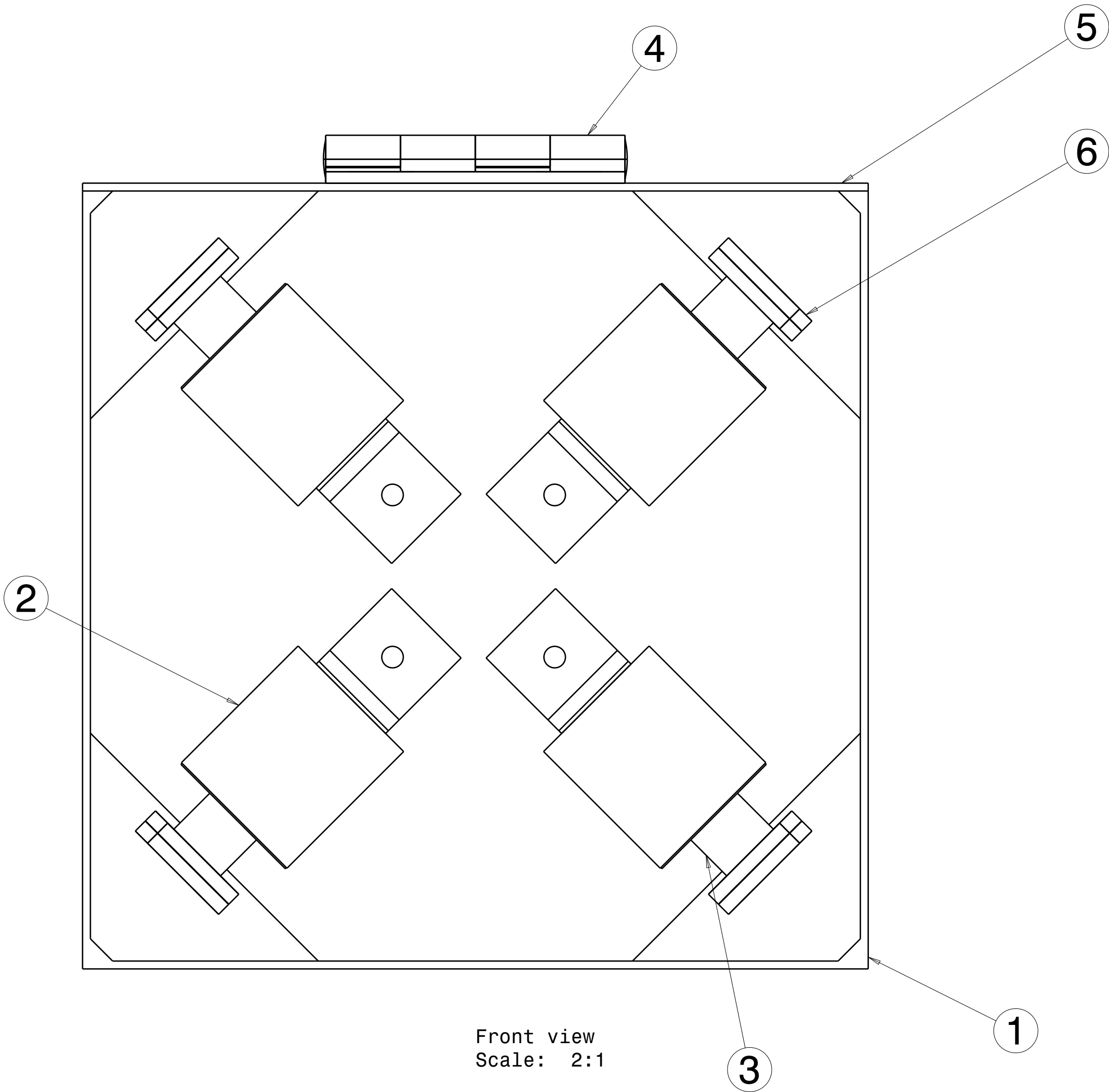
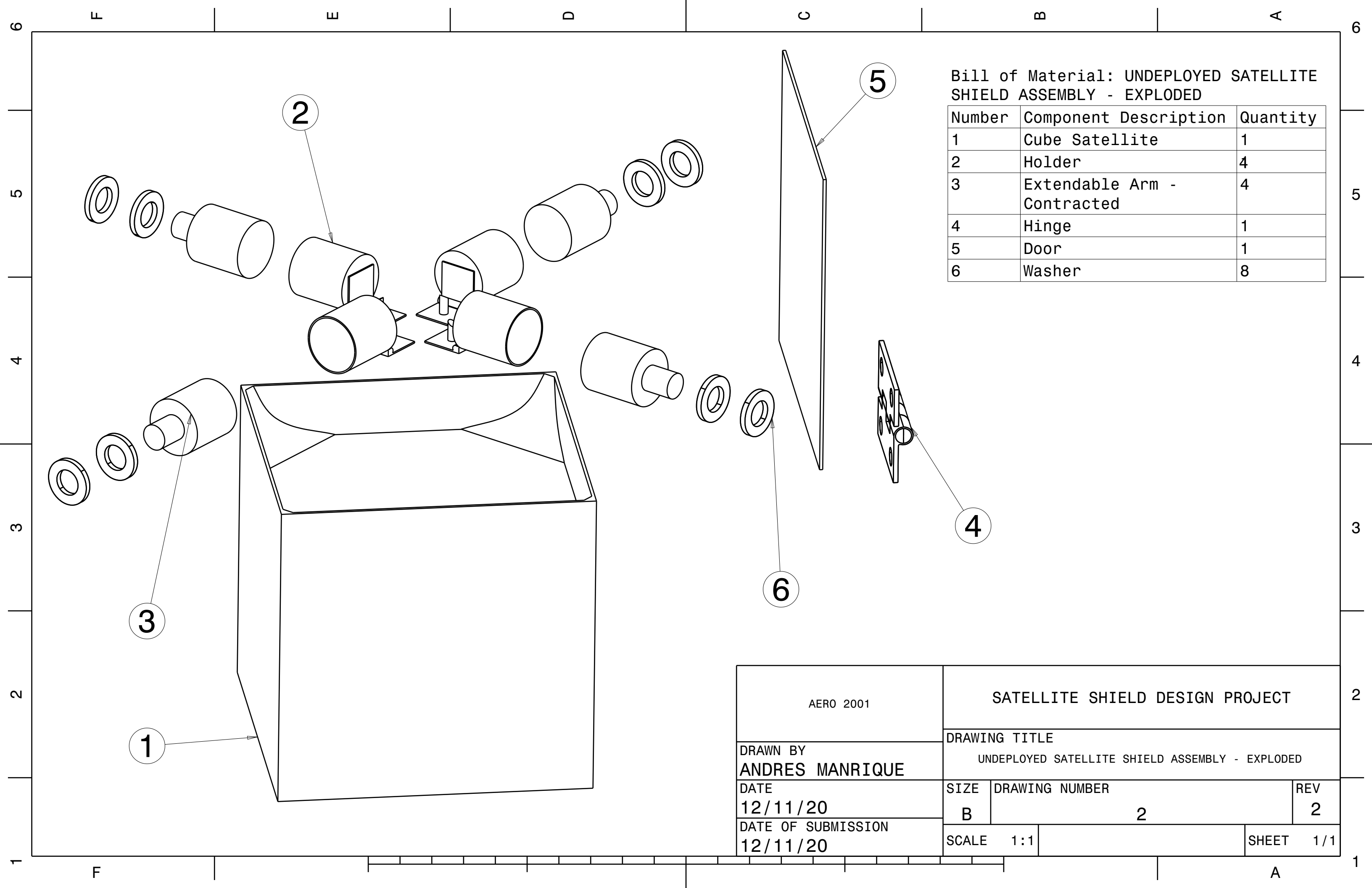


Bill of Material: UNDEPLOYED SATELLITE SHIELD ASSEMBLY

Number	Component Description	Quantity
1	Cube Satellite	1
2	Holders	1
3	Extendable Arm - Contracted	4
4	Hinge	4
5	Door	1
6	Washer	8



AERO 2001		SATELLITE SHIELD DESIGN PROJECT		
DRAWN BY ANDRES MANRIQUE		DRAWING TITLE UNDEPLOYED SATELLITE SHIELD ASSEMBLY		
DATE 12/11/20	SIZE C	DRAWING NUMBER 1	REV 2	
DATE OF SUBMISSION 12/11/20	SCALE 1:1	SHEET 1/1		



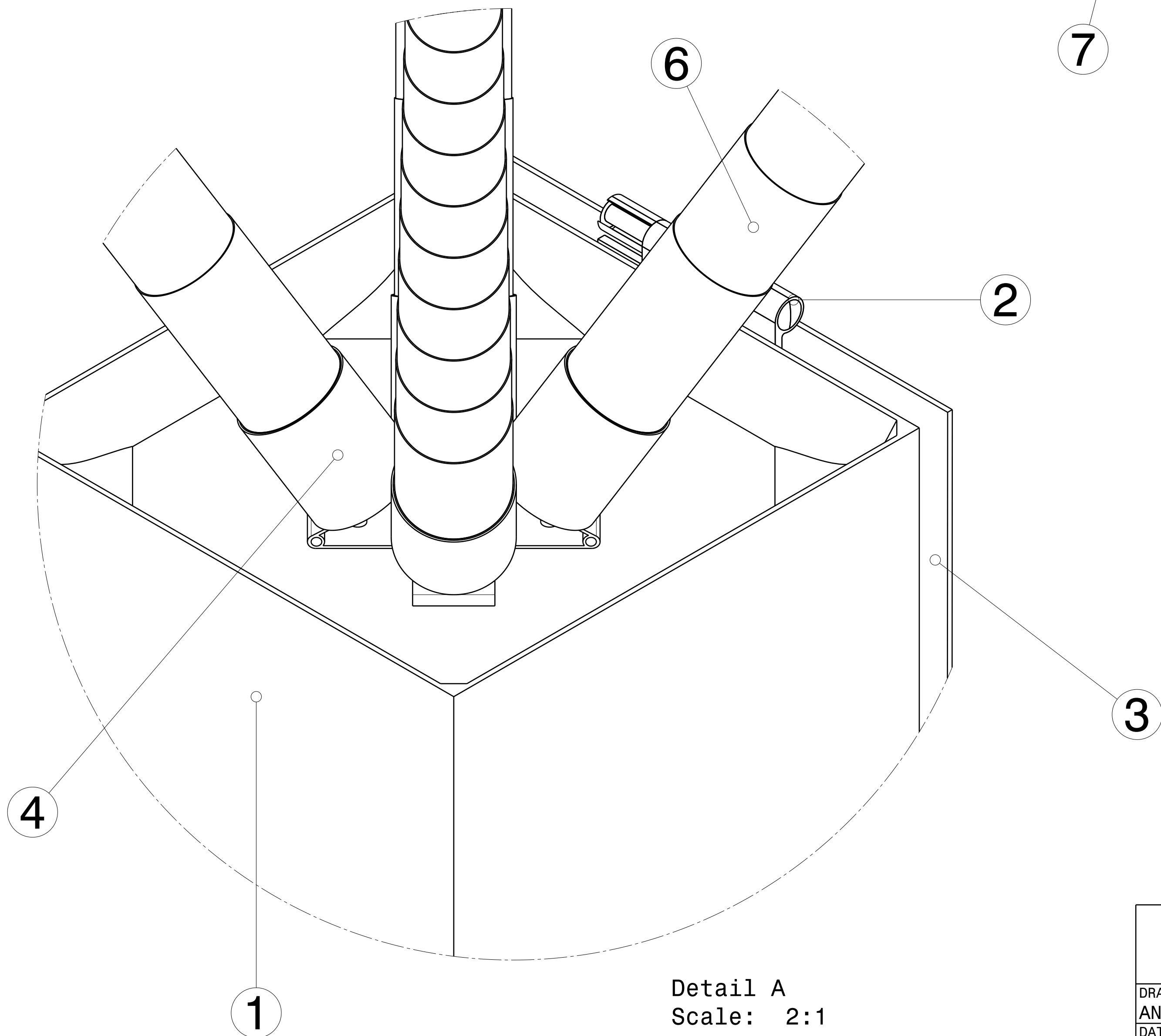
Bill of Material: UNDEPLOYED SATELLITE SHIELD ASSEMBLY - EXPLODED

Number	Component Description	Quantity
1	Cube Satellite	1
2	Holder	4
3	Extendable Arm - Contracted	4
4	Hinge	1
5	Door	1
6	Washer	8

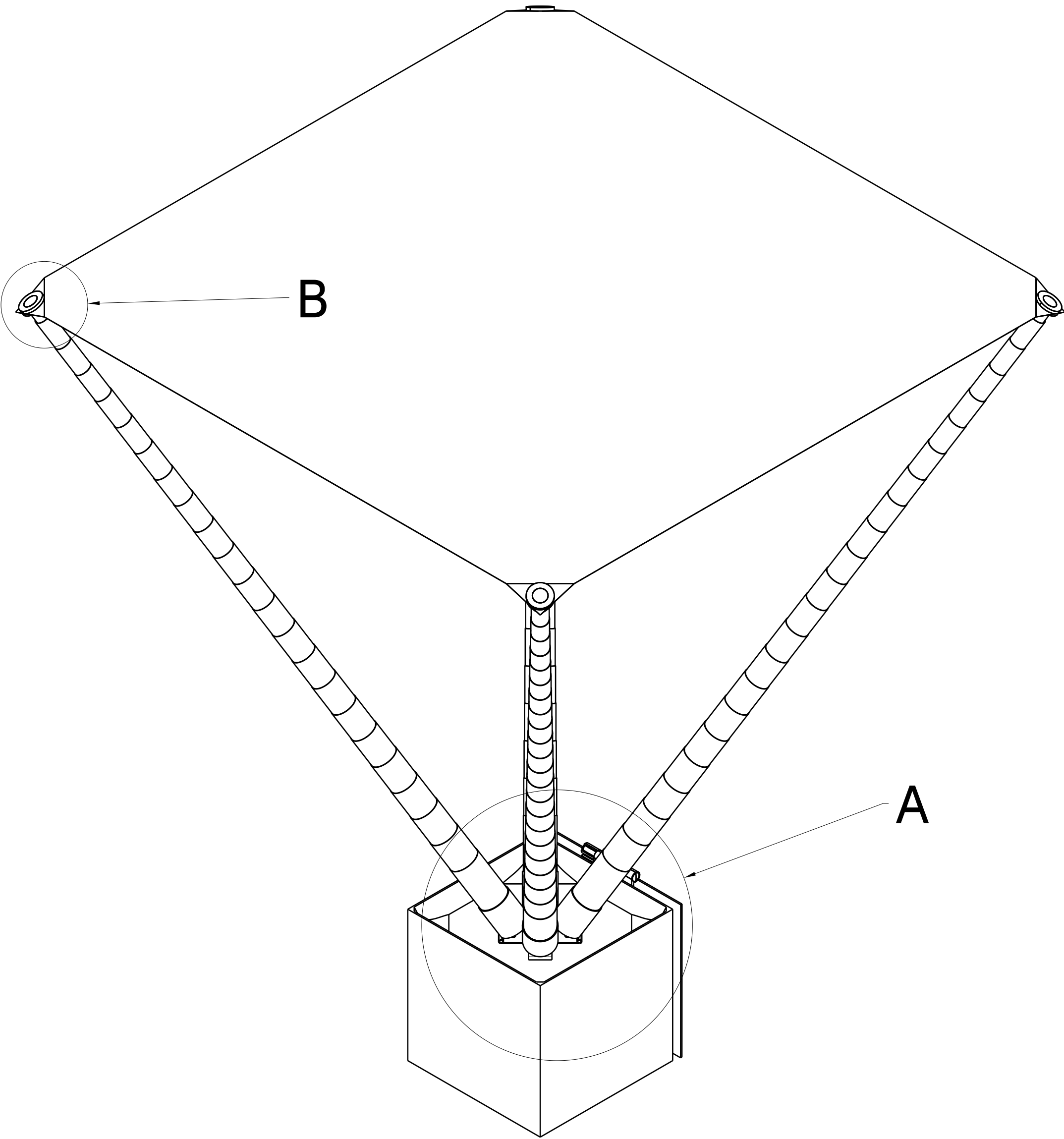
AERO 2001		SATELLITE SHIELD DESIGN PROJECT		
DRAWN BY ANDRES MANRIQUE		DRAWING TITLE UNDEPLOYED SATELLITE SHIELD ASSEMBLY - EXPLODED		
DATE 12/11/20		SIZE B	DRAWING NUMBER 2	
DATE OF SUBMISSION 12/11/20		SCALE 1:1	REV 2	
			SHEET 1/1	

Bill of Material: DEPLOYED SATELLITE SHIELD ASSEMBLY

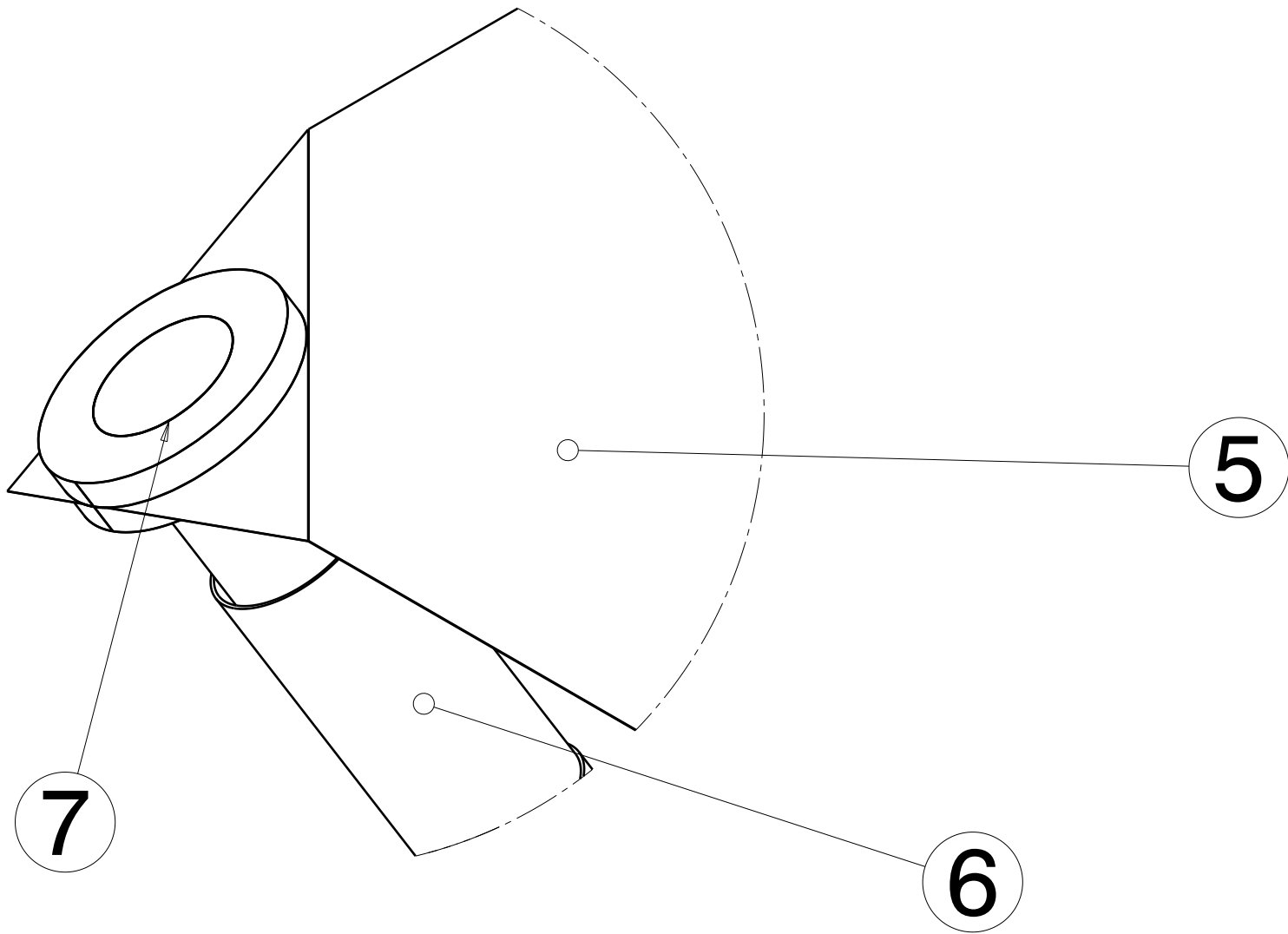
Number	Component Description	Quantity
1	Cube Satellite	1
2	Hinge	1
3	Door	1
4	Holder	4
5	Shield	1
6	Extendable Arm - Extended	4
7	Washer	8



Detail A
Scale: 2:1

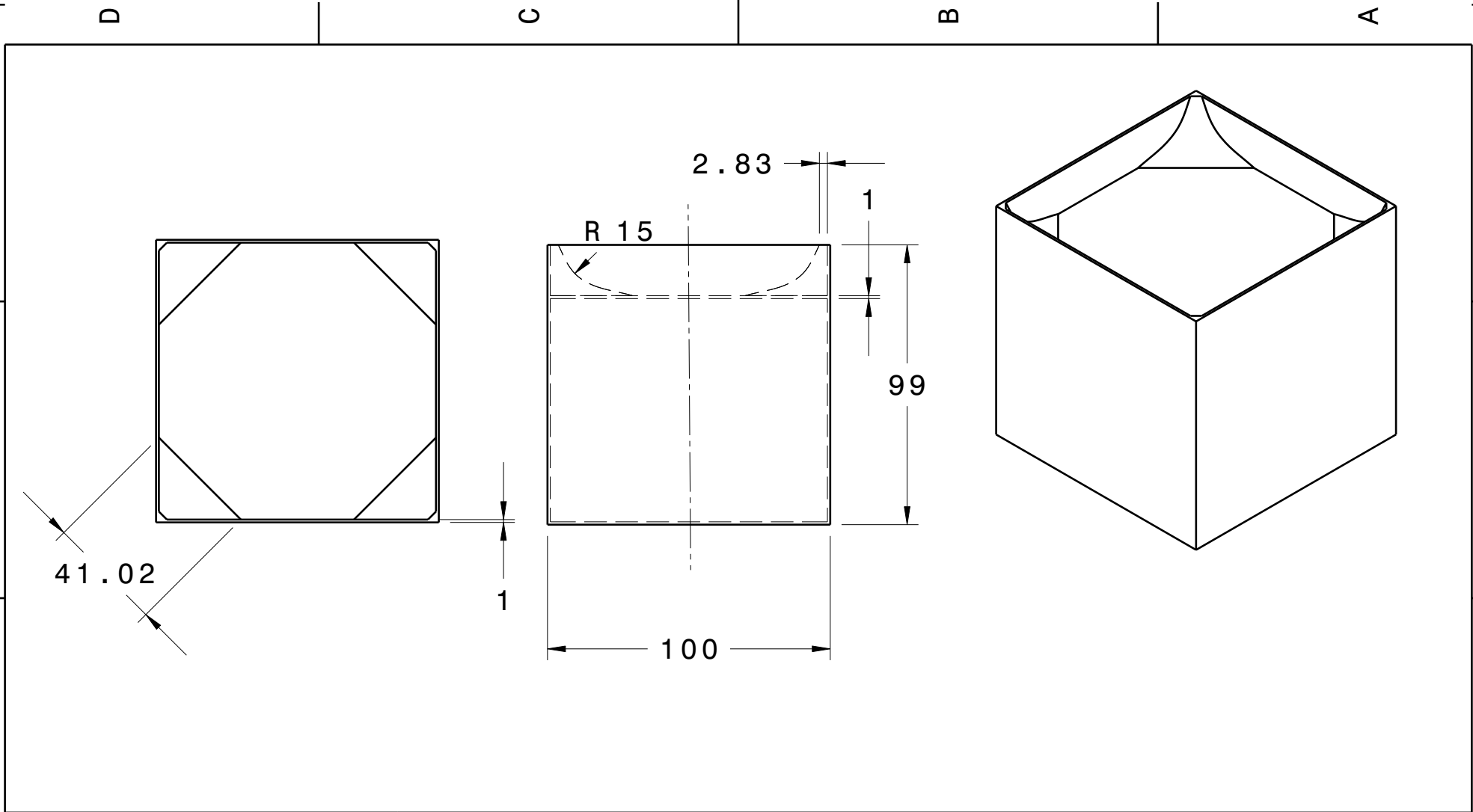


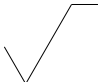
ISOMETRIC VIEW
SCALE 1:2

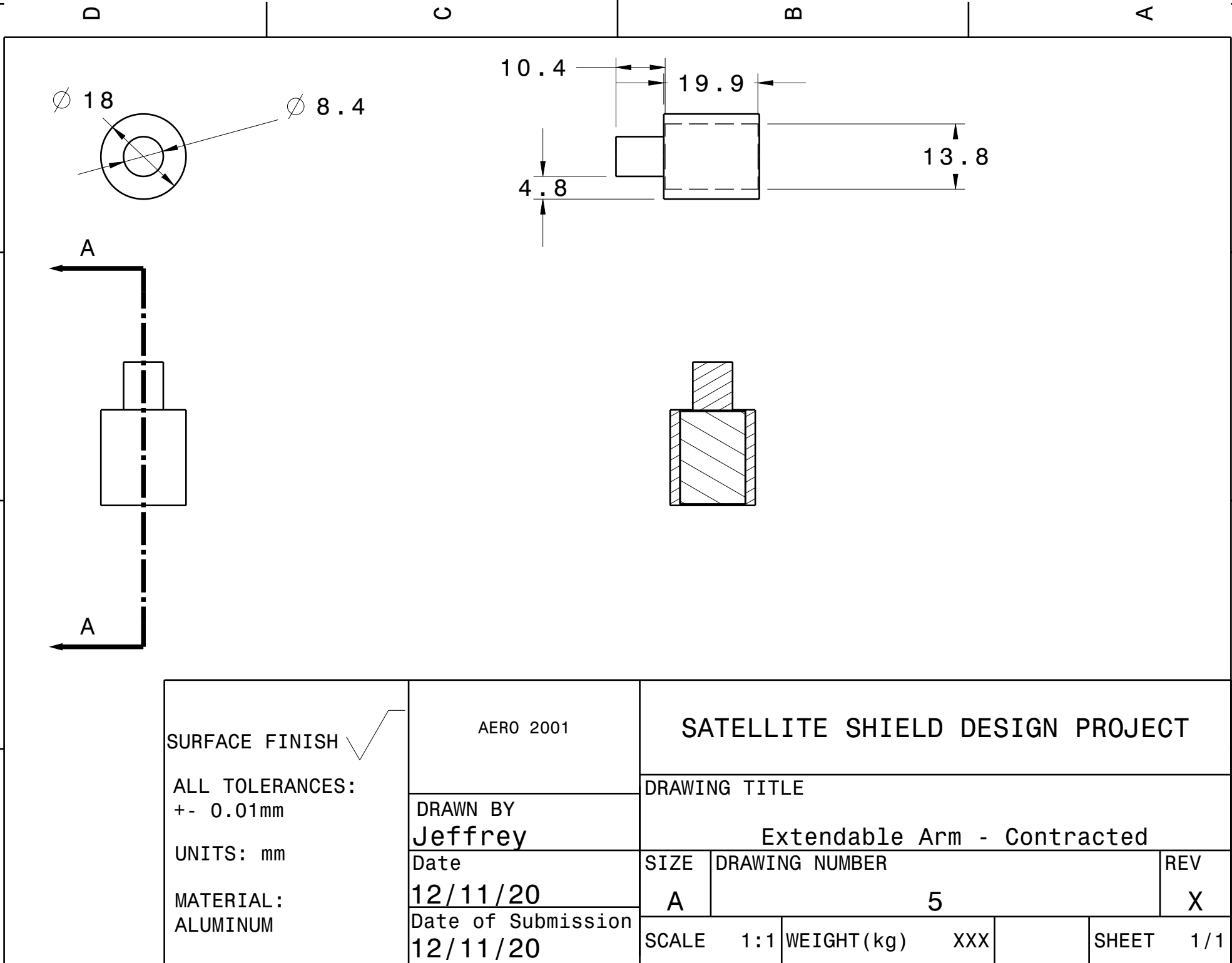


Detail B
Scale: 3:1

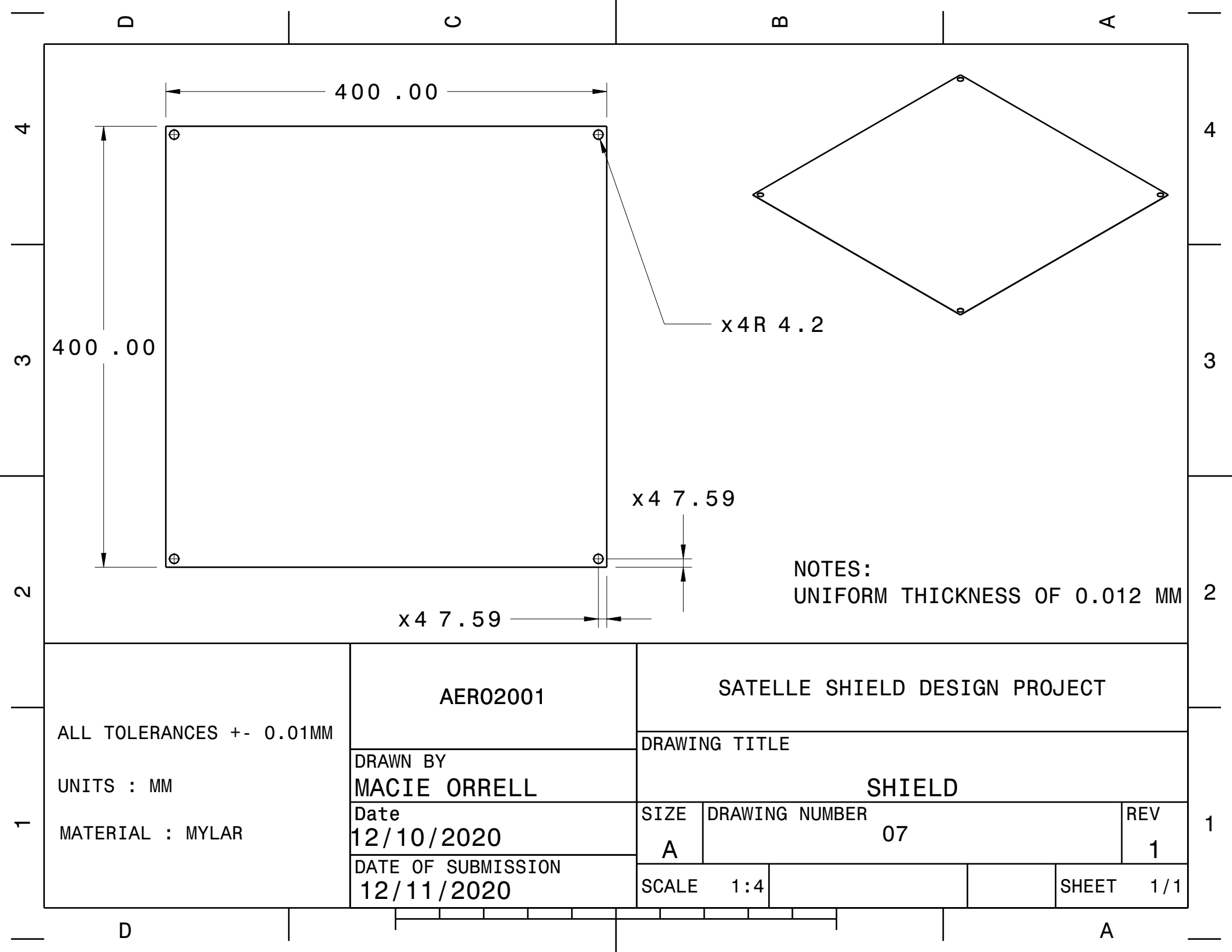
AERO 2001		SATELLITE SHIELD DESIGN PROJECT		
DRAWN BY ANDRES MANRIQUE		DRAWING TITLE DEPLOYED SATELLITE SHIELD ASSEMBLY		
DATE 12/11/20		SIZE D	DRAWING NUMBER 3	REV 1
DATE OF SUBMISSION 12/11/20		SCALE 1:2	SHEET 1/1	

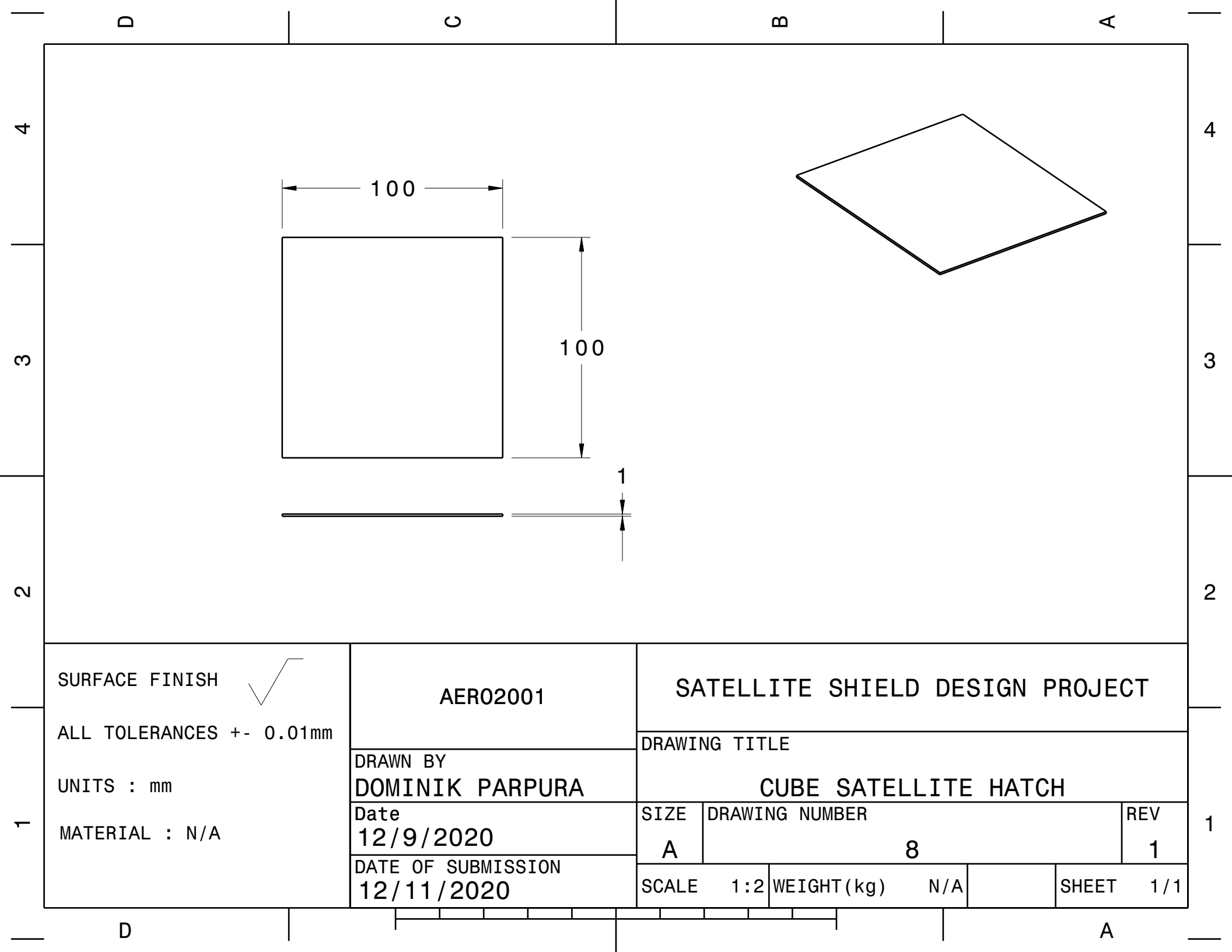


SURFACE FINISH  ALL TOLERANCES +/- 0.01mm UNITS : mm MATERIAL : N/A	AERO2001		SATELLITE SHIELD DESIGN PROJECT			
	DRAWN BY Dominik Parpura		DRAWING TITLE			
	Date 12/9/2020		CUBE SATELLITE			
	DATE OF SUBMISSION 12/11/2020		SIZE A	DRAWING NUMBER 4		REV 1
			SCALE 1:2	WEIGHT(kg) N/A		SHEET 1/1









SURFACE FINISH



ALL TOLERANCES +/- 0.01mm

UNITS : mm

MATERIAL : N/A

AERO2001

DRAWN BY
DOMINIK PARPURA

Date
12/9/2020

DATE OF SUBMISSION
12/11/2020

SATELLITE SHIELD DESIGN PROJECT

DRAWING TITLE

CUBE SATELLITE HATCH

SIZE
A

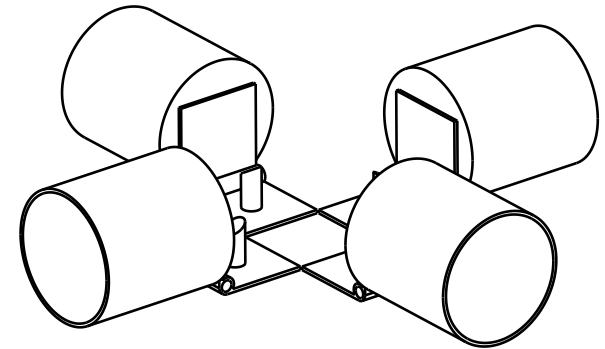
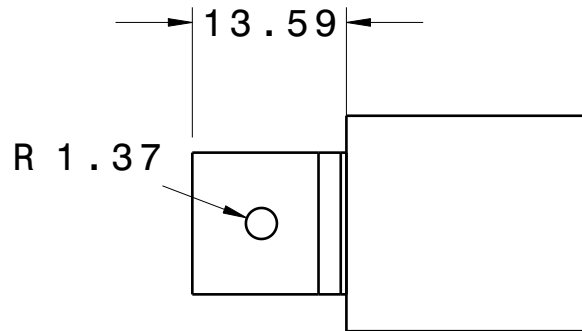
DRAWING NUMBER
8

REV
1

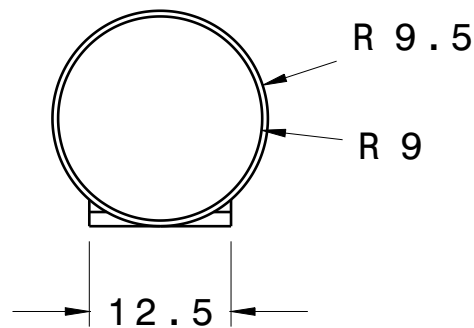
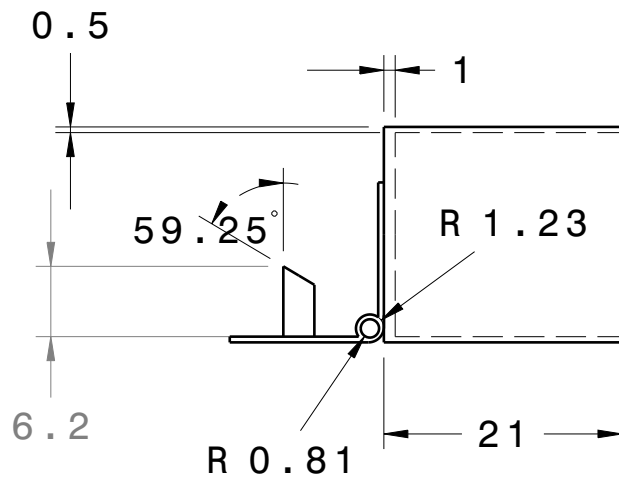
SCALE 1:2

WEIGHT(kg) N/A

SHEET 1/1



Scale: 1:1



SURFACE FINISH ✓
ALL TOLERANCES +- 0.01mm
UNITS : mm
MATERIAL : ALUMINUM

AERO2001

SATELLITE SHIELD DESIGN PROJECT

DRAWN BY
DOMINIK PARPURA

DRAWING TITLE

CLOSED HOLDER

Date
12/9/2020

SIZE

DRAWING NUMBER

REV

A

9

1

DATE OF SUBMISSION
12/11/2020

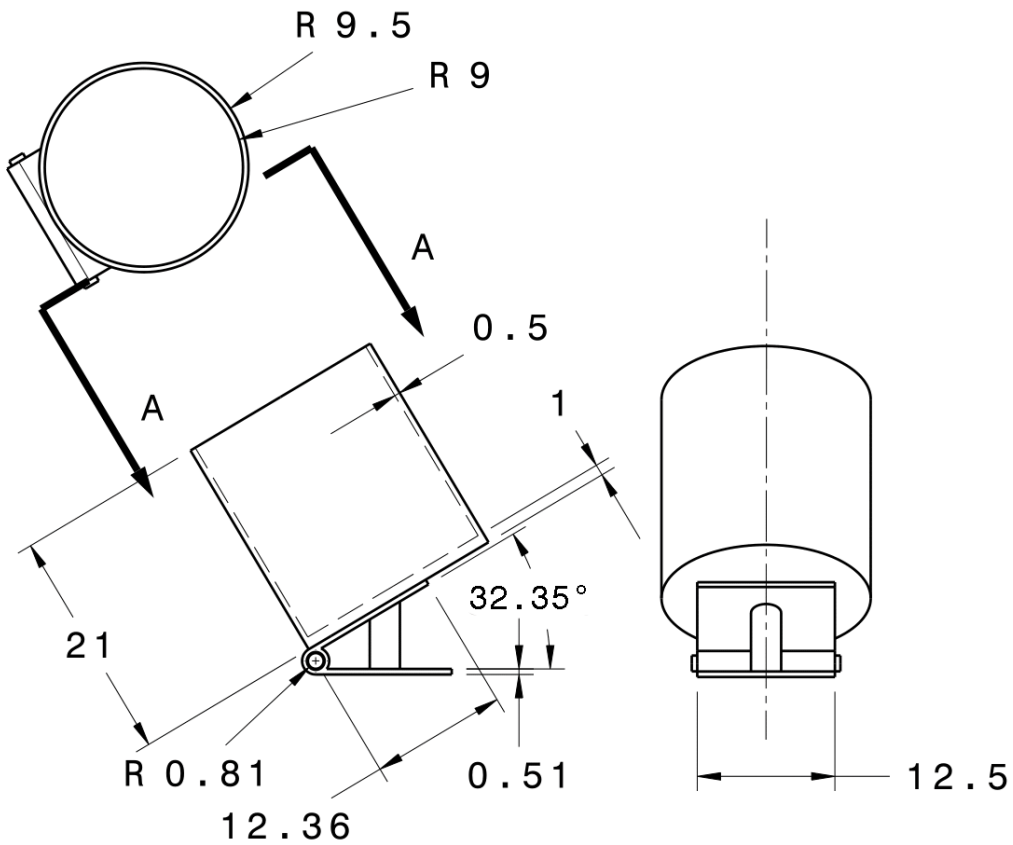
SCALE

3:2

WEIGHT(kg) 0.012

SHEET

1/1



ISOMETRIC VIEW SCALE: 2:1

DEPLOYED FORM HAS 4
HOLDERS POSITIONED
MM APART

SURFACE FINISH



ALL TOLERANCES $\pm 0.01\text{mm}$

UNITS : mm

MATERIAL : ALUMINUM

AER02001

DRAWN BY

DOMINIK PARPURA

CHECKED BY

12/9/2020

DATE OF SUBMISSION

12/11/2020

SATELLITE SHIELD DESIGN PROJECT

DRAWING TITLE

EXTENDED SHAFT HOLDER

SIZE

A

DRAWING NUMBER

10

REV

1

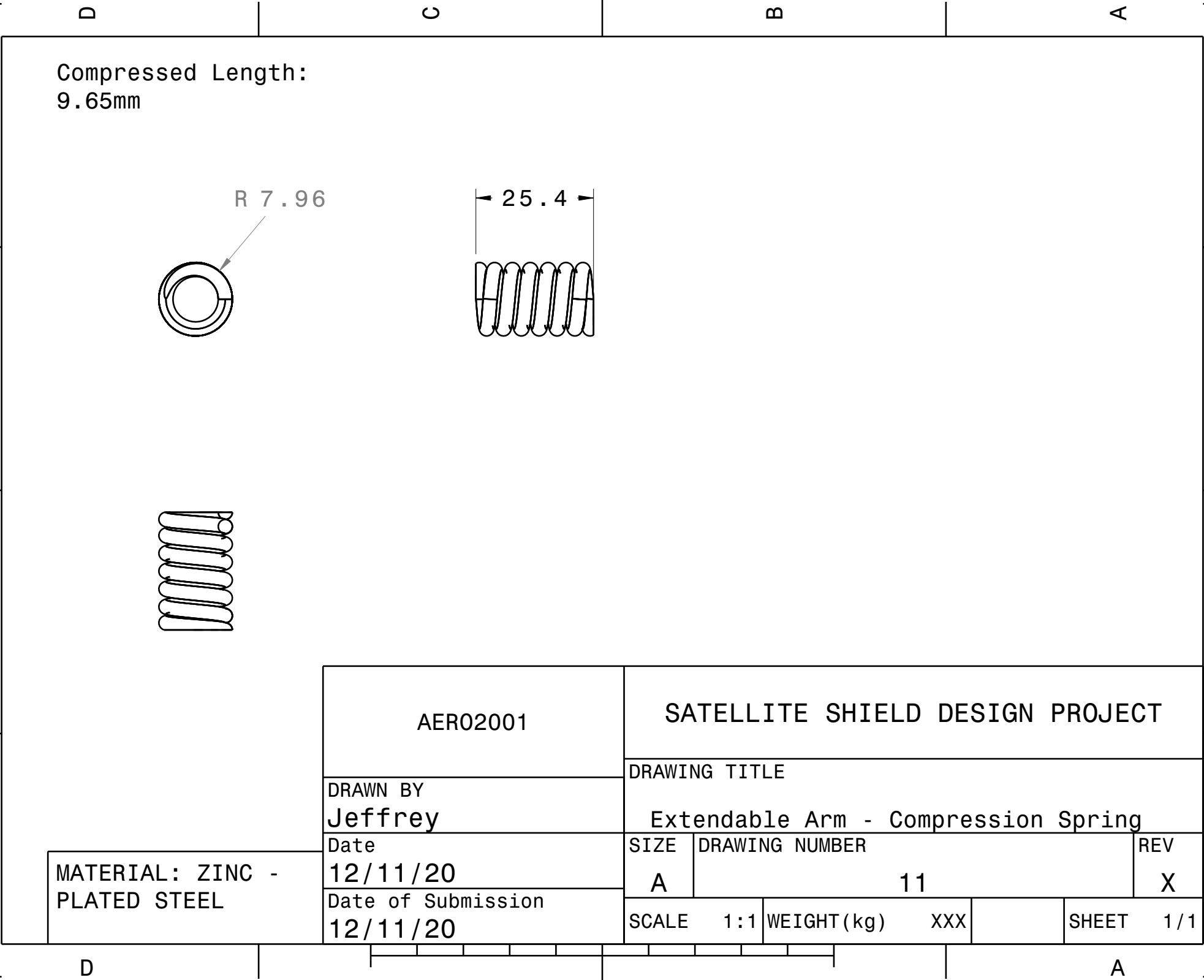
SCALE

3:2

WEIGHT(kg) 0.012

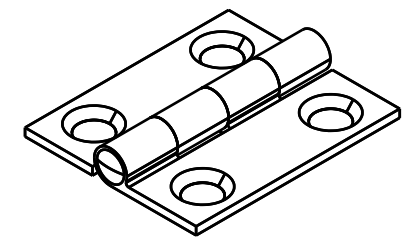
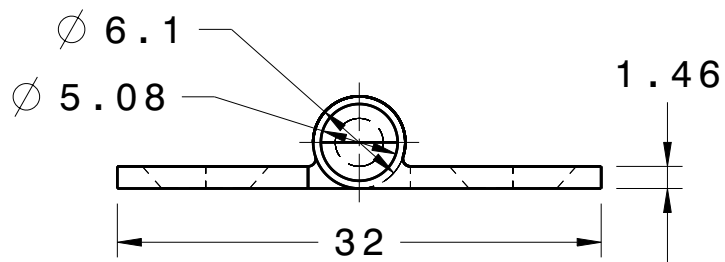
SHEET

1/1



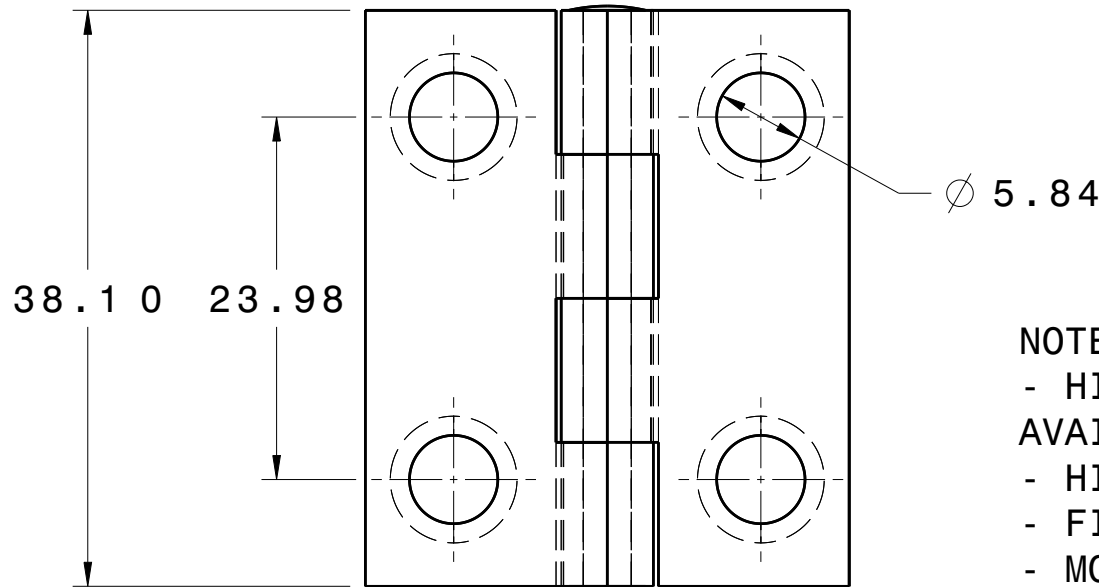
D C B A

4



4

3



3

- NOTES:
- HINGE IS STANDARDIZED PART 1586A22 AVAILABLE FROM MCMASTER CARR
 - HINGE IS SURFACE MOUNT
 - FITS MOUNTING SCREW SIZE NO.8
 - MOUNTING HOLE STYLE IS COUNTERSUNK
 - HINGE WITH NON-REMOVABLE PIN DETER TAMPERING

2

2

SURFACE FINISH ✓
ALL TOLERANCES +/- 0.01MM
UNITS : MM
MATERIAL : POLISHED 304
STAINLESS STEEL

AERO2001

SATELLITE SHIELD DESIGN PROJECT

DRAWN BY
MACIE ORRELL

DRAWING TITLE

Date
12/9/2020

HINGE

DATE OF SUBMISSION
12/11/2020

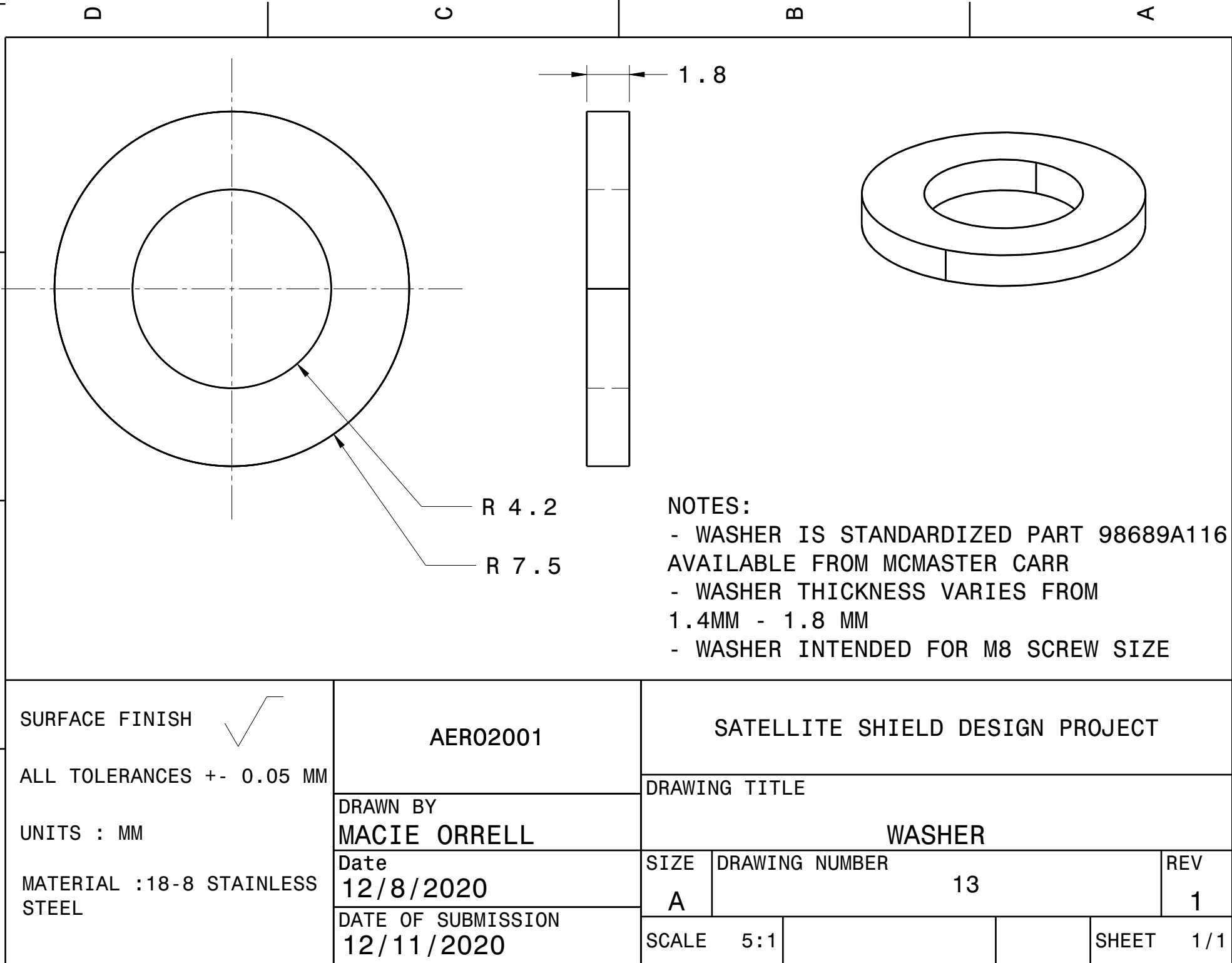
SIZE A	DRAWING NUMBER 12	REV 1
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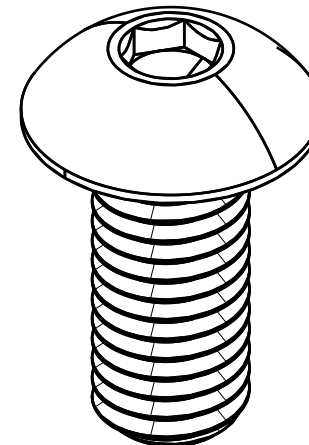
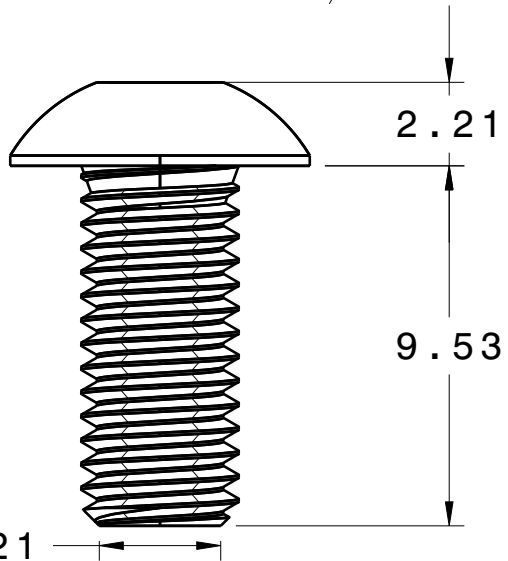
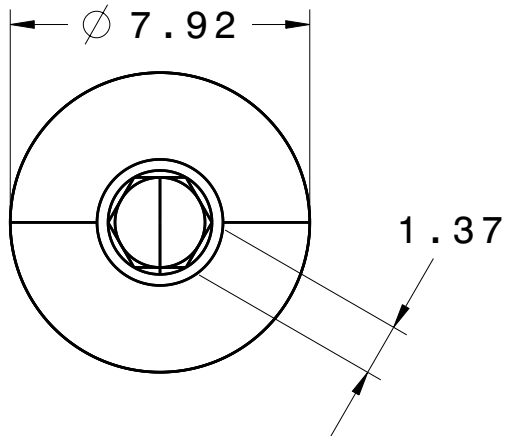
SCALE 2:1	WEIGHT(kg)	XX	SHEET 1/1
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1

1

D A





NOTES:

- SCREW IS STANDARDIZED PART 92949A428 AVAILABLE FROM MCMASTER CARR
- DRIVE SIZE IS 3/32" HEX
- THREAD SIZE IS 8-40
- THREAD TYPE IS UNS
- THREAD SPACING IS EXTRA FINE
- THREAD FIT IS CLASS 3A
- RIGHT HAND THREAD DIRECTION

ALL TOLERANCES +/- 0.01MM

UNITS : MM

MATERIAL : 8-18 STAINLESS
STEEL

AERO2001

DRAWN BY
MACIE ORRELL

Date
12/9/2020

DATE OF SUBMISSION
12/11/2020

SATELLITE SHIELD DESIGN PROJECT

DRAWING TITLE

SCREW

SIZE

A

DRAWING NUMBER

14

REV

1

SCALE **5:1**

SHEET **1/1**