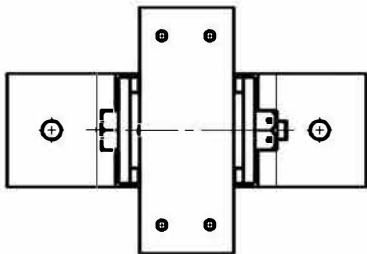
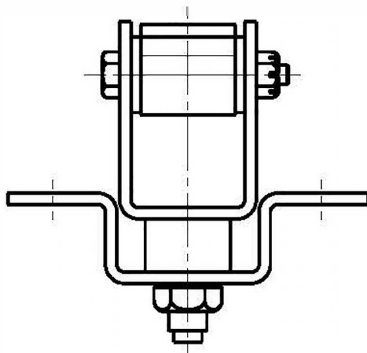


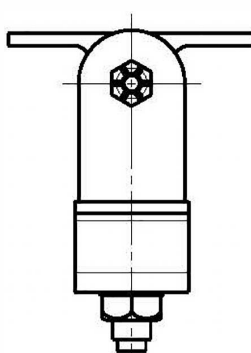
SHOCK ASSEMBLY



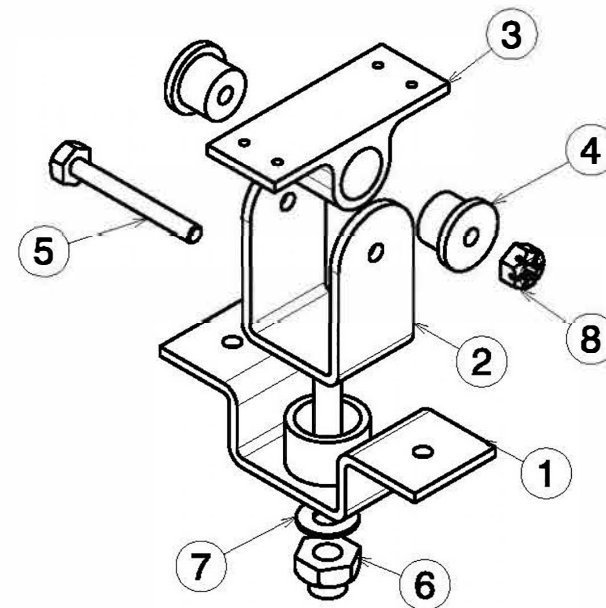
Top View



Front View



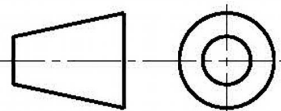
Right View



Isometric View
(Exploded)

Bill of Material: Shock Assembly

No.	Part Number	Quantity
1	Bracket	1
2	U-support	1
3	Pivot	1
4	Busher	2
5	HexagonalBolt	1
6	CastleNut	1
7	Washer	1
8	SelfLockingNut	1



DRAWN BY
Hissan

DATE
12/04/23

CHECKED BY

DATE

DESIGNED BY

DATE

CADMAXX

DRAWING TITLE

SHOCK ASSEMBLY

SIZE

A4

DRAWING NUMBER

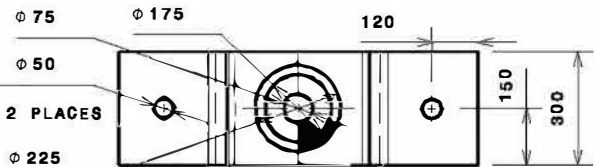
01

REV

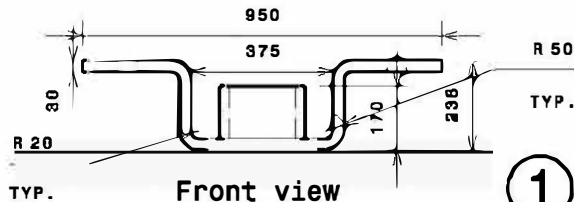
SCALE 1:20

SHEET 5/6

SHOCK ASSEMBLY DETAILS

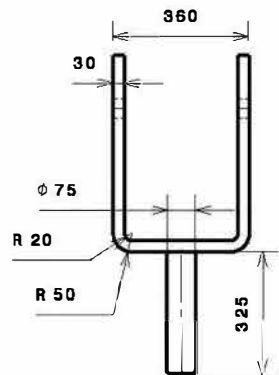


Top view

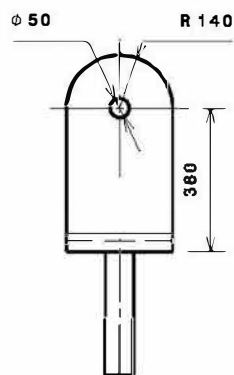


Front view

1

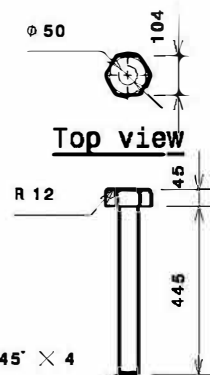


Front view



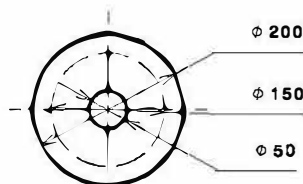
Right view

2



Front view

5

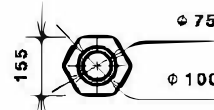


Top view

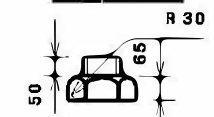


Front view

4

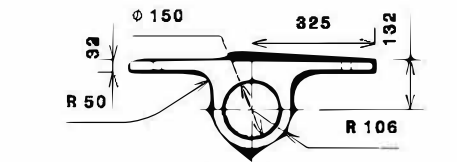


Top view

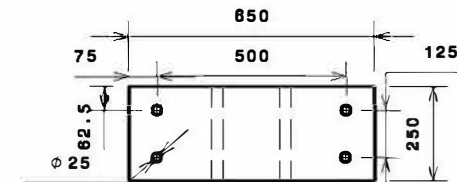


Front view

6

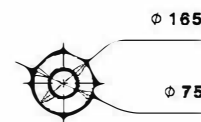


Front view



Top view

3

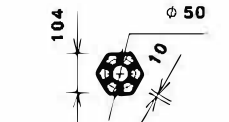


Top view

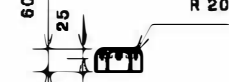


Front view

7



Top view

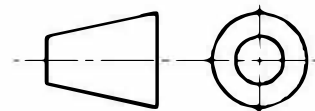


Front view

8

Bill of Material: Shock Assembly

No.	Part Number	Quantity
1	Bracket	1
2	U-support	1
3	Pivot	1
4	Busher	2
5	Hexagonal Bolt	1
6	Castle Nut	1
7	Washer	1
8	Self Locking Nut	1



DRAWN BY
Hissan

DATE
12/04/23

CHECKED BY

DATE

DESIGNED BY

DATE

Cadmaxx

DRAWING TITLE

SHOCK ASSEMBLY

SIZE

DRAWING NUMBER

REV

A4

01

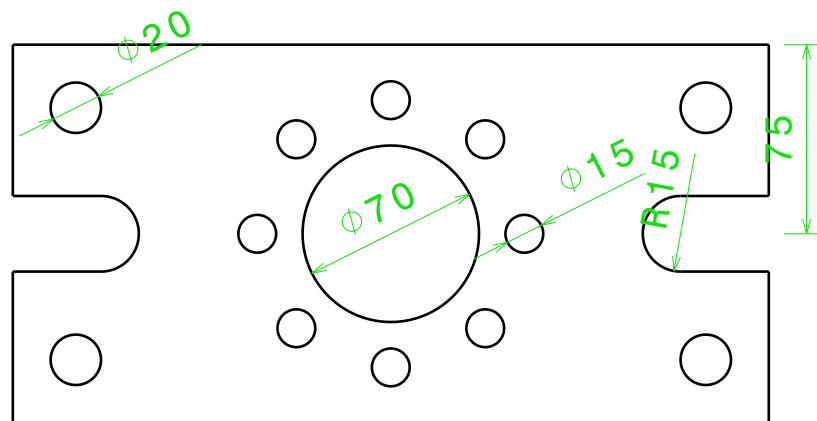
SCALE

1:20

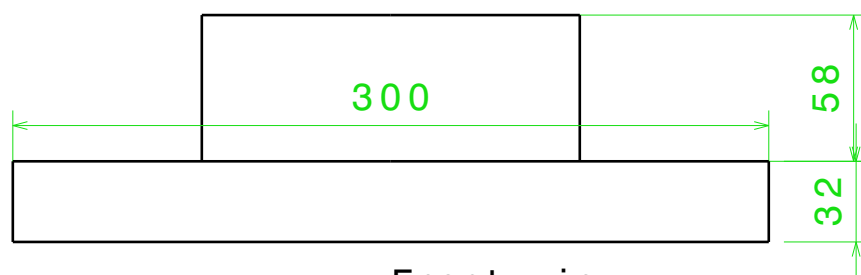
WEIGHT (kg)

SHEET

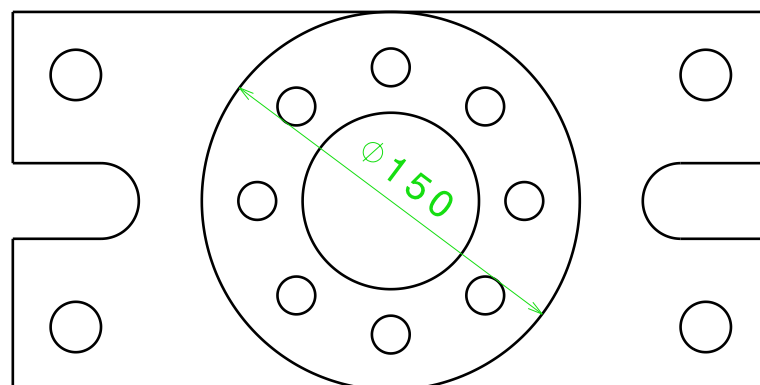
2



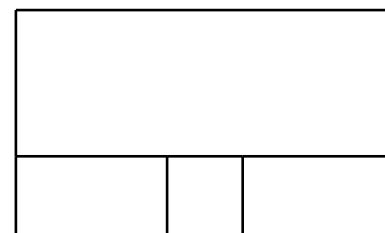
Bottom view
Scale: 1:3



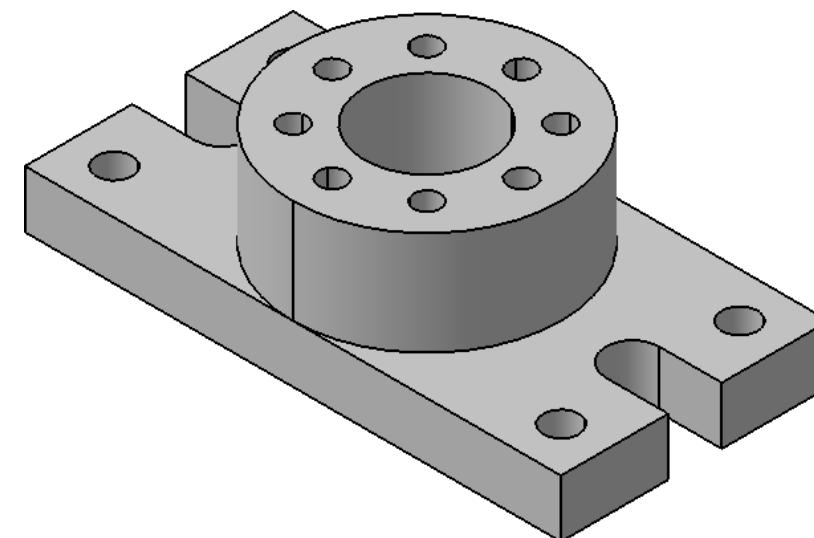
Front view
Scale: 1:3



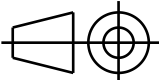
Top view
Scale: 1:3



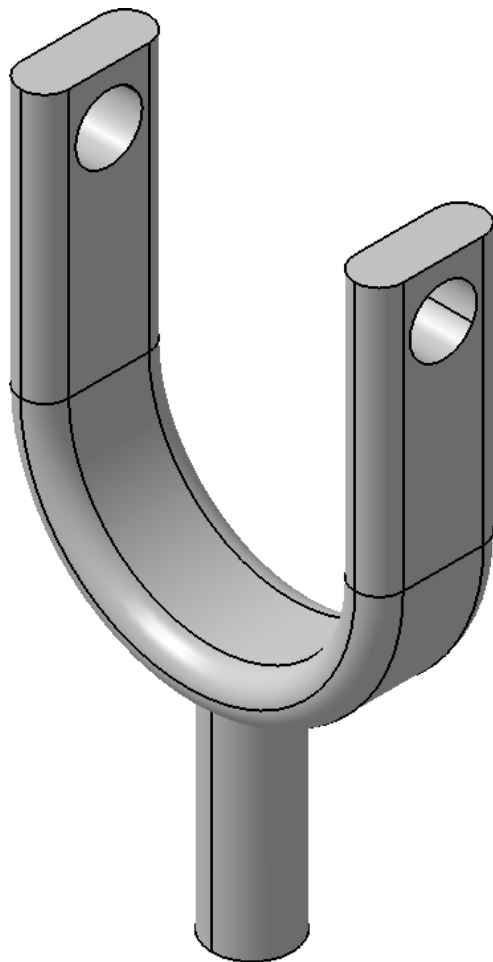
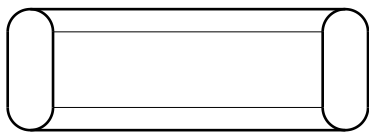
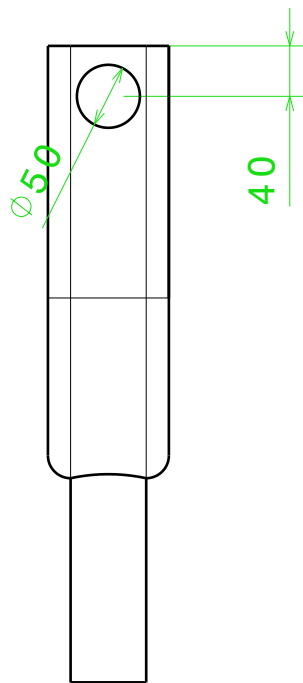
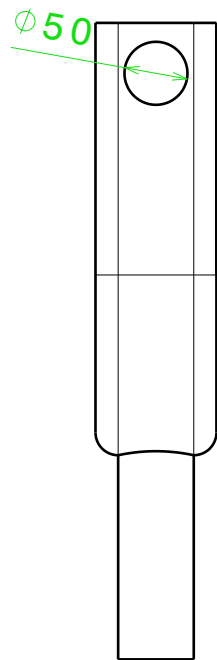
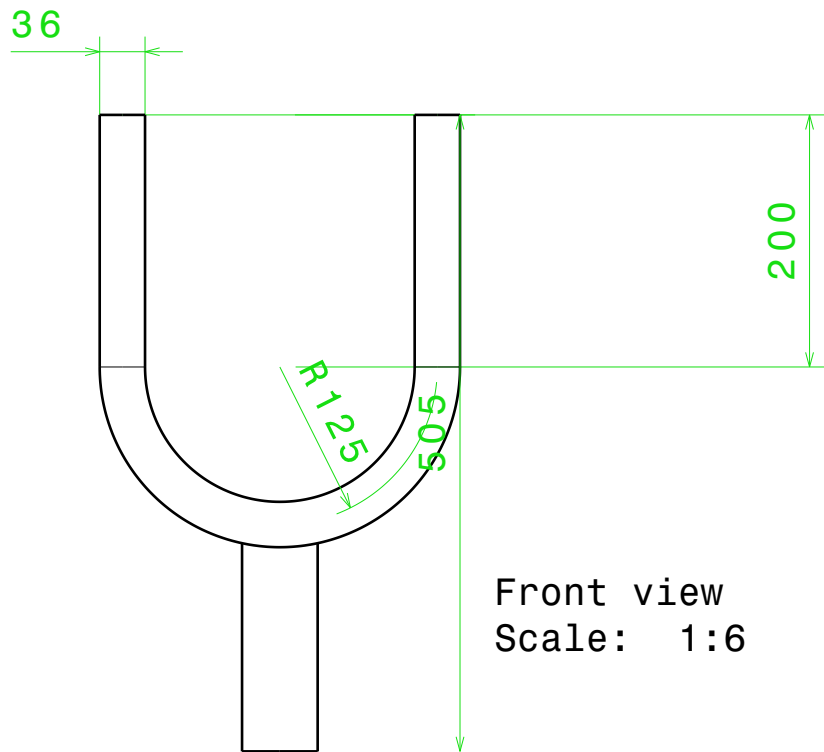
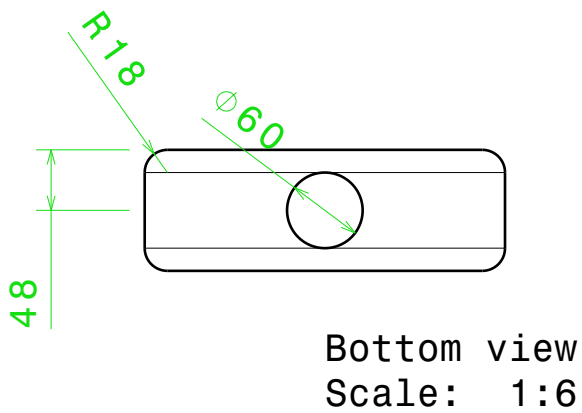
Left view
Scale: 1:3

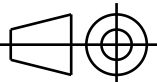


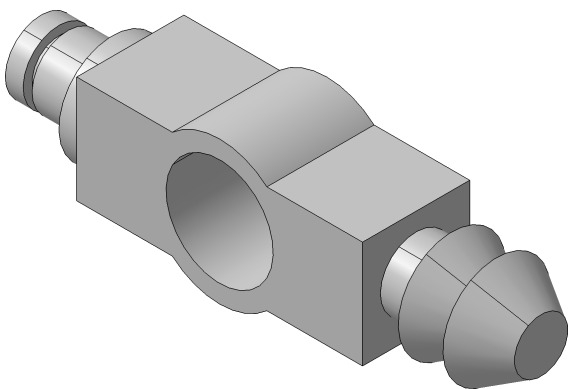
Isometric view
Scale: 1:3

DESIGNED BY: Hissan		PRACTICE	I	—
DATE: 3/15/2023			H	—
CHECKED BY: XXX			G	—
DATE: XXX			F	—
SIZE A3		Cadmaxx	E	—
SCALE 1 : 1	WEIGHT (kg) XXX		D	—
		DRAWING NUMBER XXX	C	—
			B	—
			A	—
This drawing is our property; it can't be reproduced or communicated without our written agreement.				

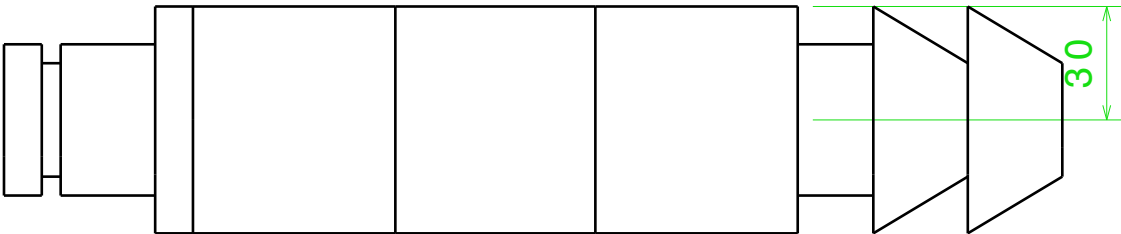
This drawing is our property; it can't be reproduced or communicated without our written agreement.



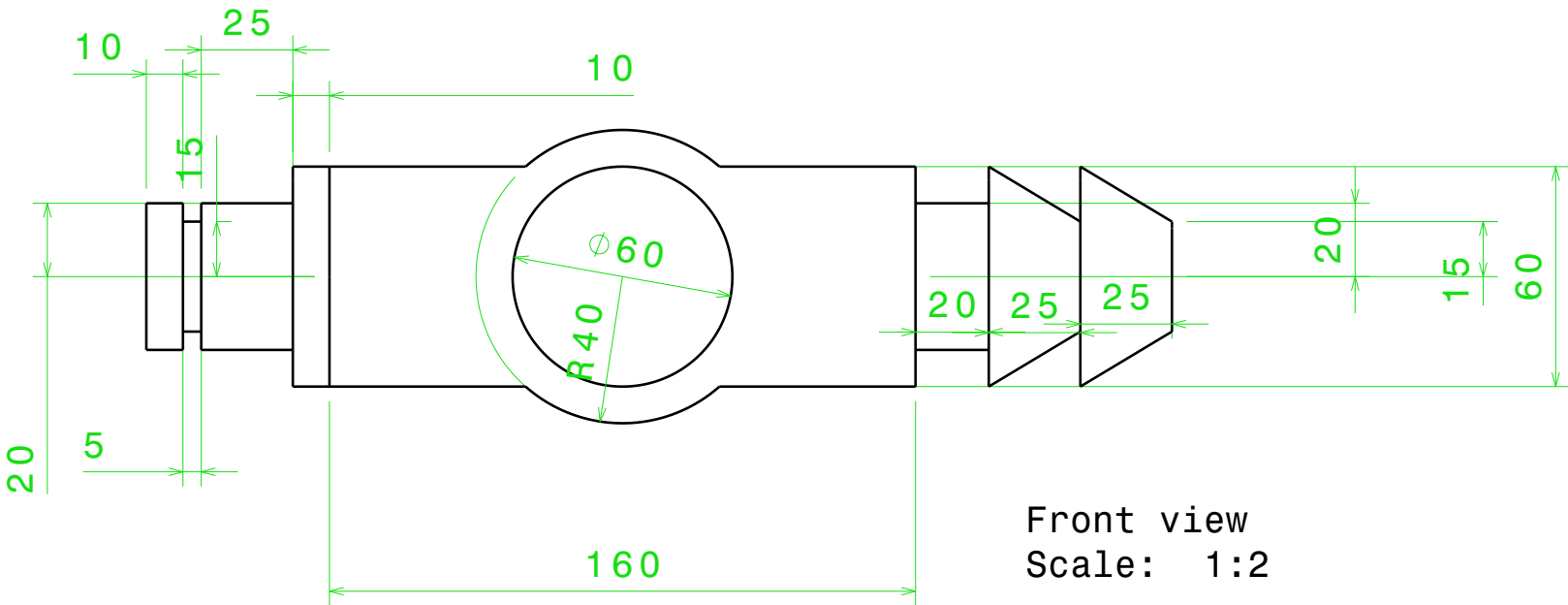
DESIGNED BY: Hissan		PRACTICE		I	-
DATE: 3/15/2023				H	-
CHECKED BY: XXX				G	-
DATE: XXX		Cadmaxx		F	-
SIZE A3				E	-
				D	-
SCALE 1 : 1	WEIGHT (kg) XXX	DRAWING NUMBER XXX	SHEET 1 / 1	C	-
This drawing is our property; it can't be reproduced or communicated without our written agreement.				B	-
				A	-



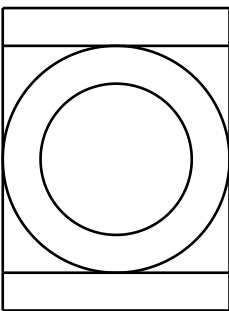
Isometric view
Scale: 1:3



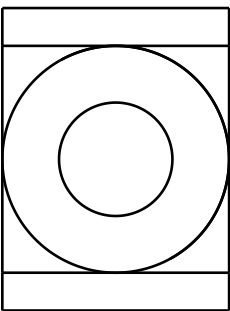
Bottom view
Scale: 1:2



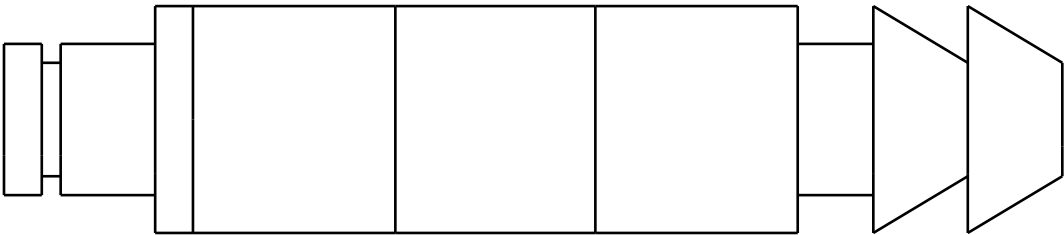
Front view
Scale: 1:2



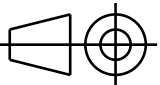
Left view
Scale: 1:2

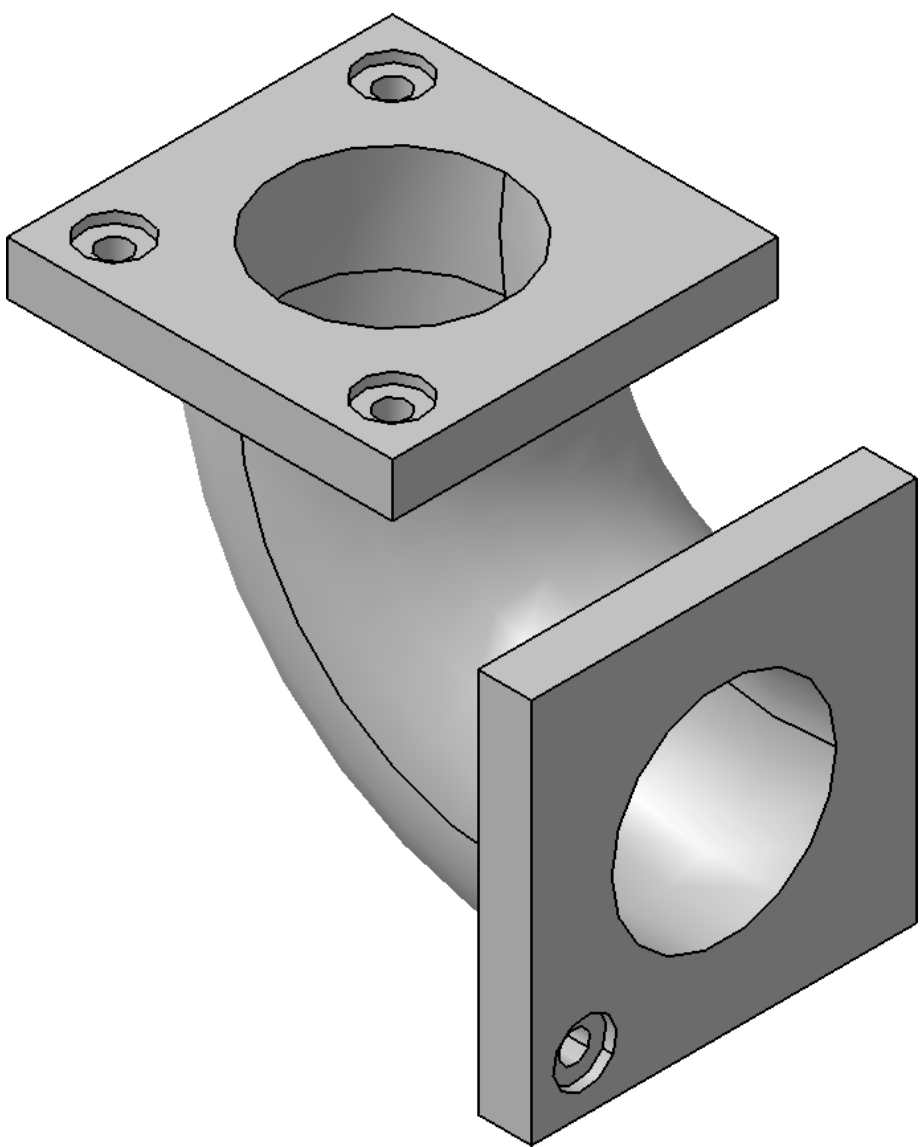


Right view
Scale: 1:2

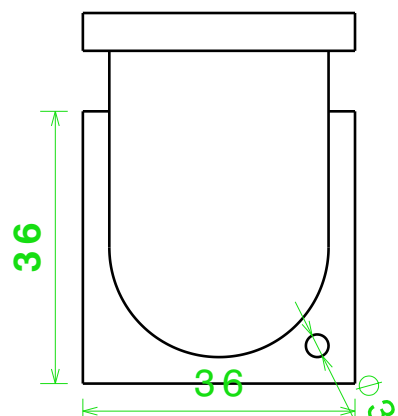


Top view
Scale: 1:2

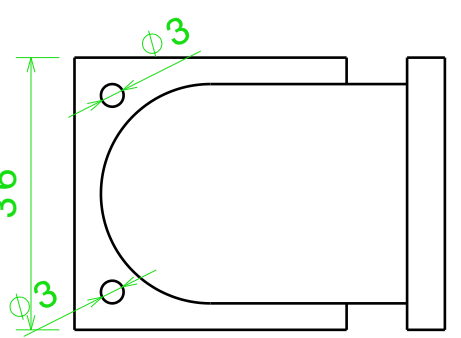
DESIGNED BY: Hissan		PRACTICE		I	—
DATE: 3/15/2023				H	—
CHECKED BY: XXX				G	—
DATE: XXX		Cadmaxx		F	—
SIZE A3				E	—
				D	—
SCALE 1 : 1	WEIGHT (kg) XXX	DRAWING NUMBER XXX	SHEET 1 / 1	C	—
This drawing is our property; it can't be reproduced or communicated without our written agreement.				B	—
				A	—



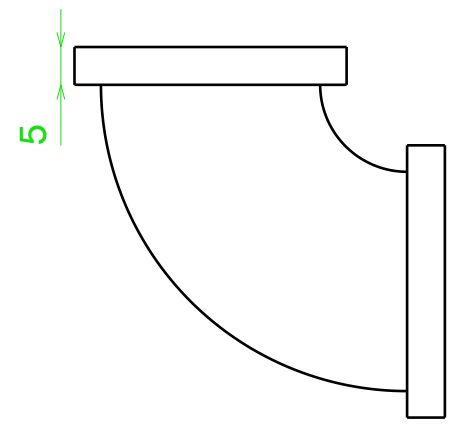
Isometric view
Scale: 2:1



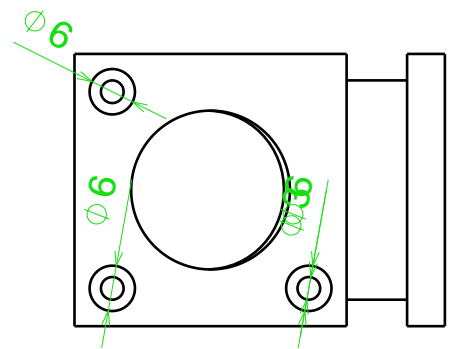
Left view
Scale: 1:1



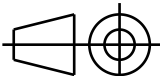
Bottom view
Scale: 1:1

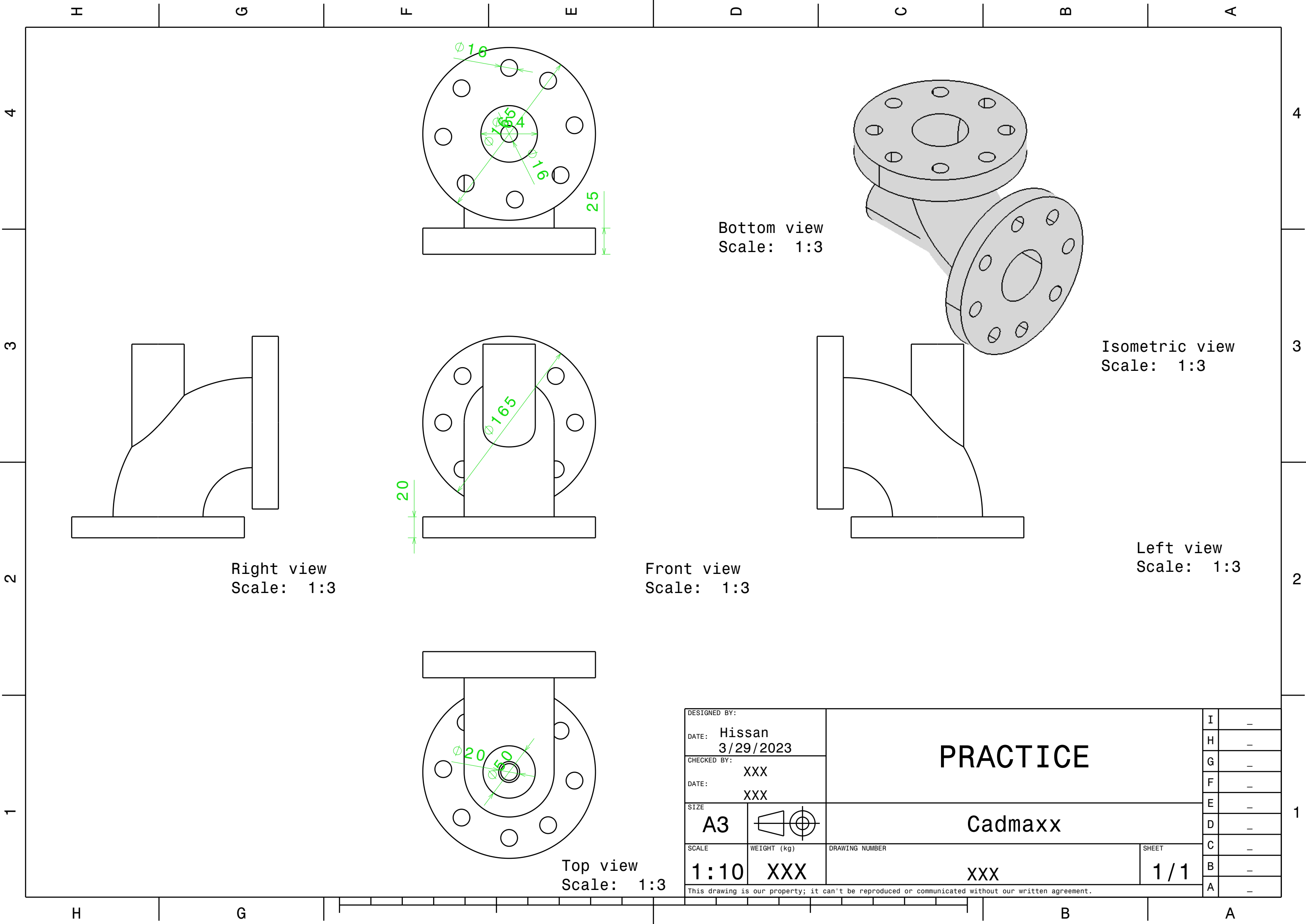


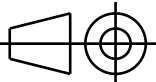
Front view
Scale: 1:1

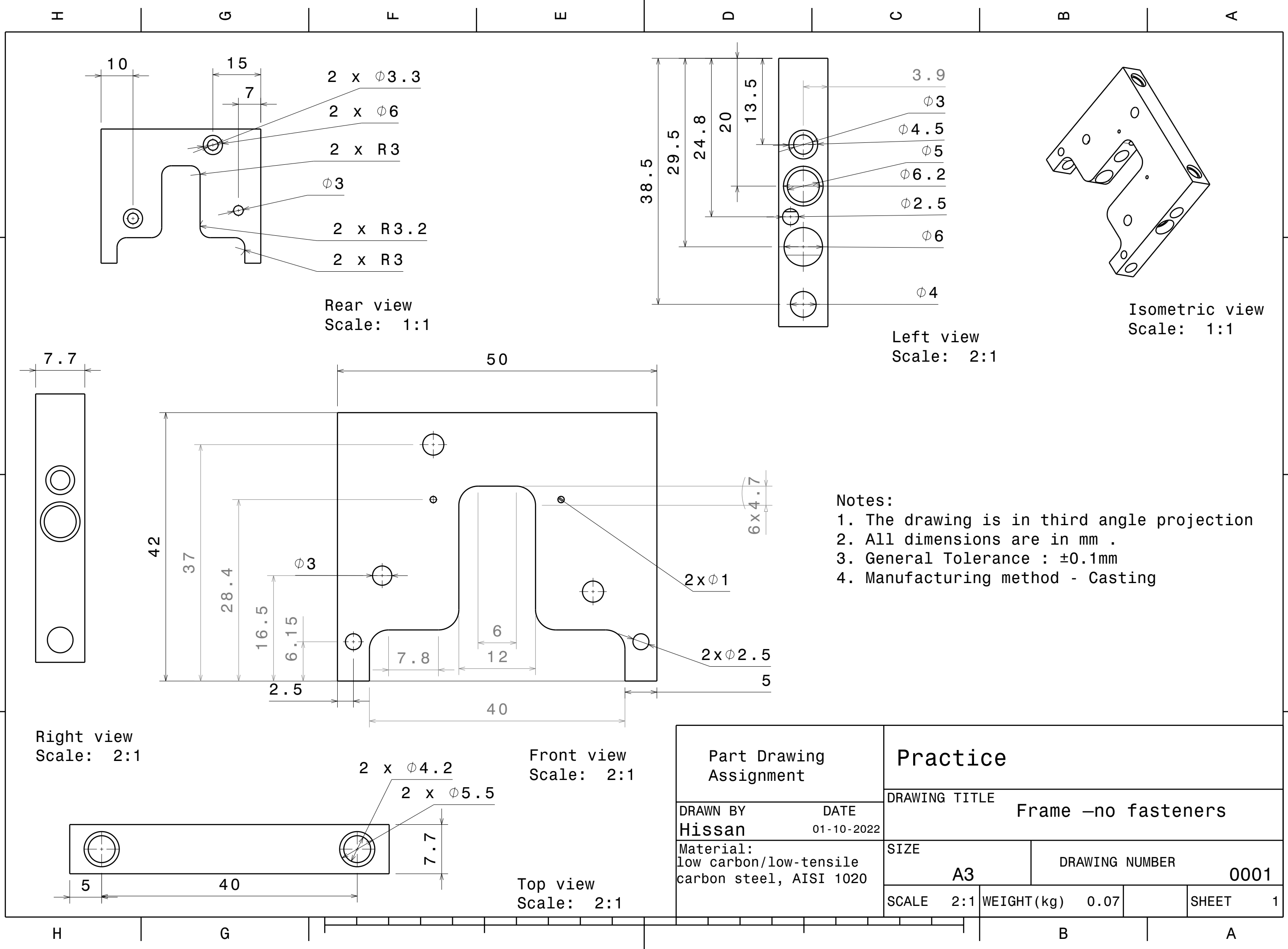


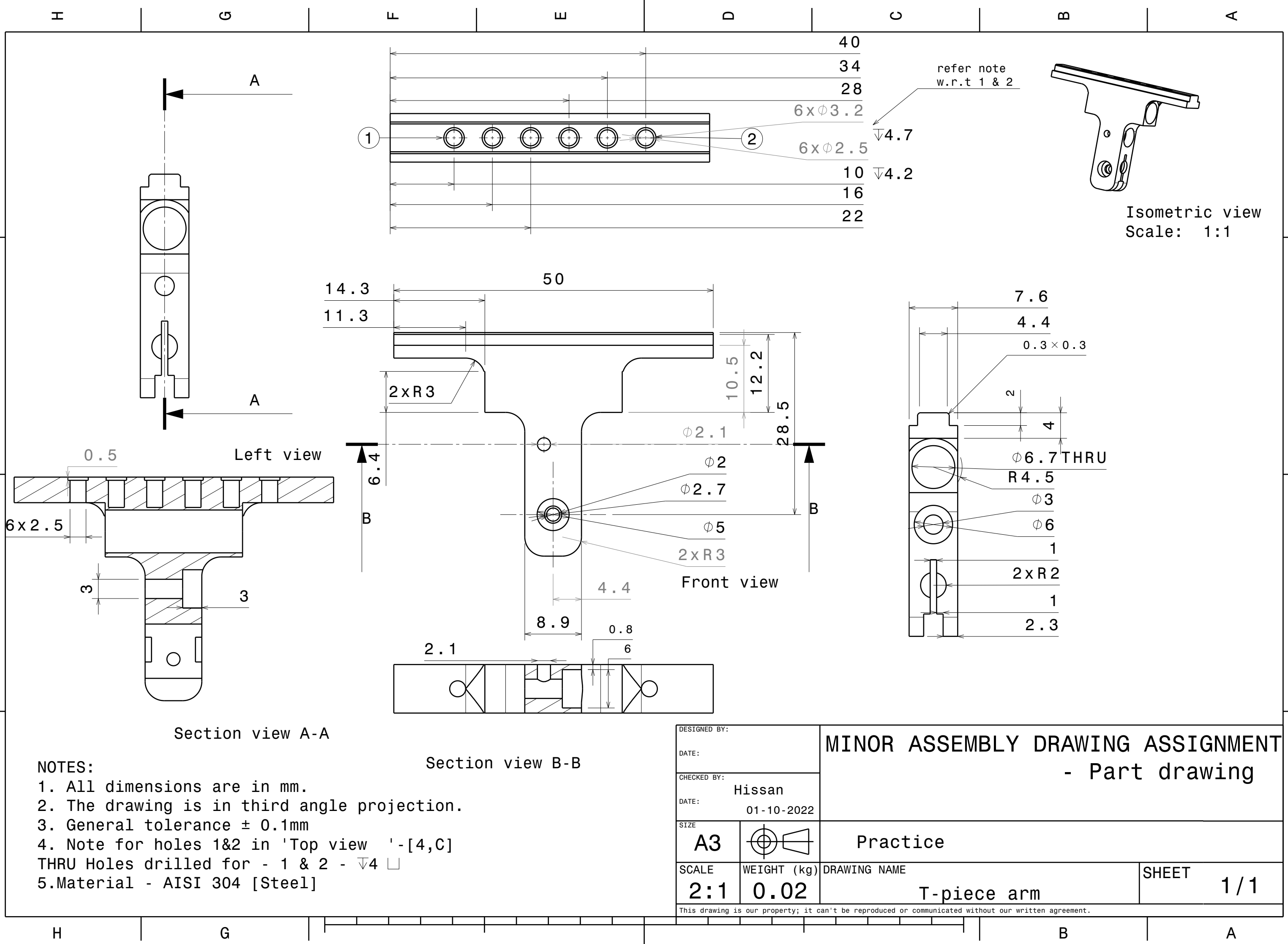
Top view
Scale: 1:1

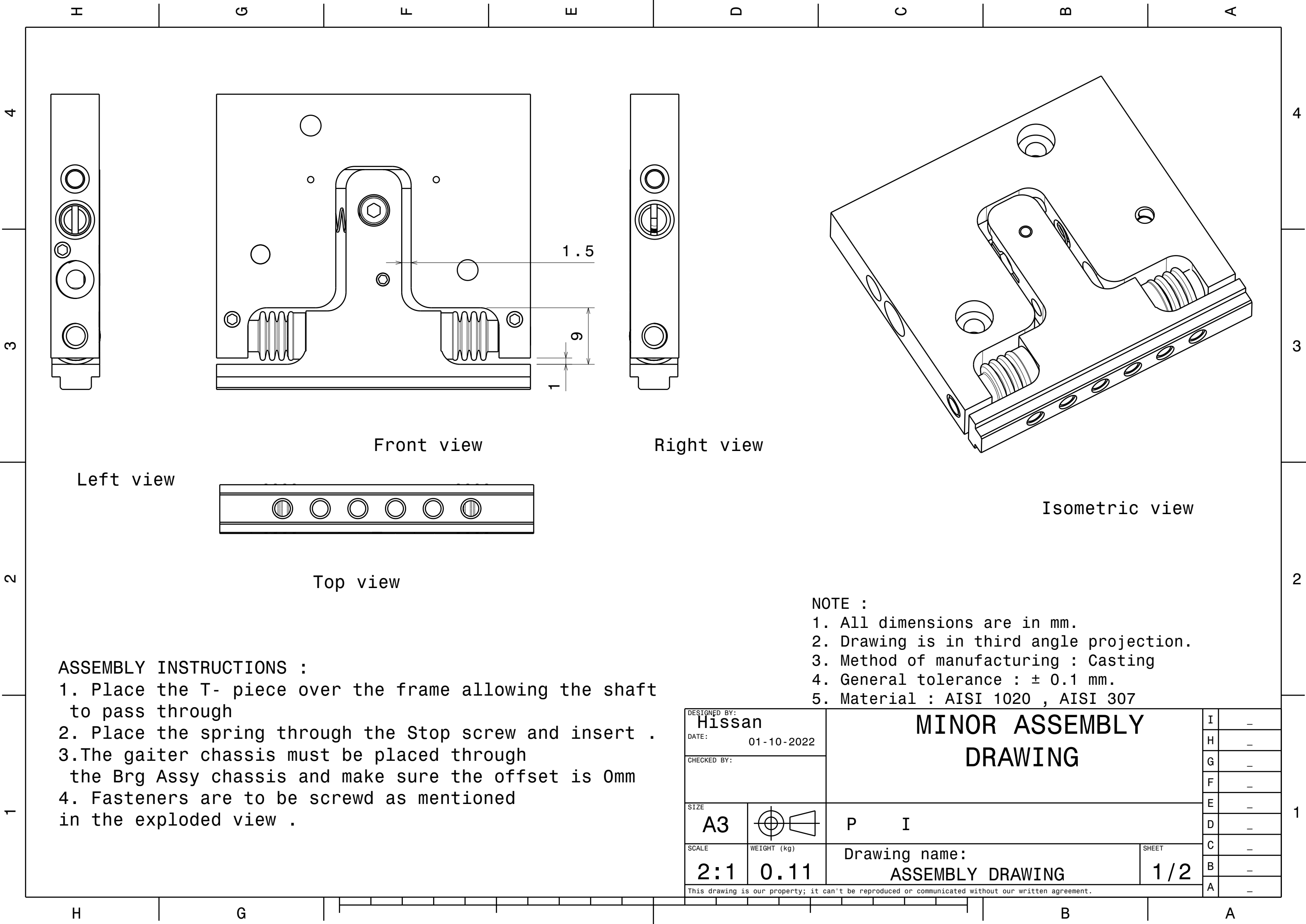
DESIGNED BY:		PRACTICE		I	-
DATE: Hissan 3/29/2023				H	-
CHECKED BY: XXX				G	-
DATE: XXX		Cadmaxx		F	-
SIZE A3 				E	-
SCALE 1:10		XXX		D	-
WEIGHT (kg) XXX				C	-
DRAWING NUMBER		SHEET 1 / 1		B	-
XXX				A	-
This drawing is our property; it can't be reproduced or communicated without our written agreement.					



DESIGNED BY:		PRACTICE		I	-
DATE: Hissan 3/29/2023				H	-
CHECKED BY: XXX				G	-
DATE: XXX		Cadmaxx		F	-
SIZE A3				E	-
		XXX		D	-
SCALE 1:10				C	-
WEIGHT (kg) XXX		XXX		B	-
DRAWING NUMBER				A	-
SHEET 1 / 1		This drawing is our property; it can't be reproduced or communicated without our written agreement.			



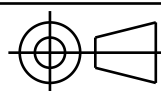


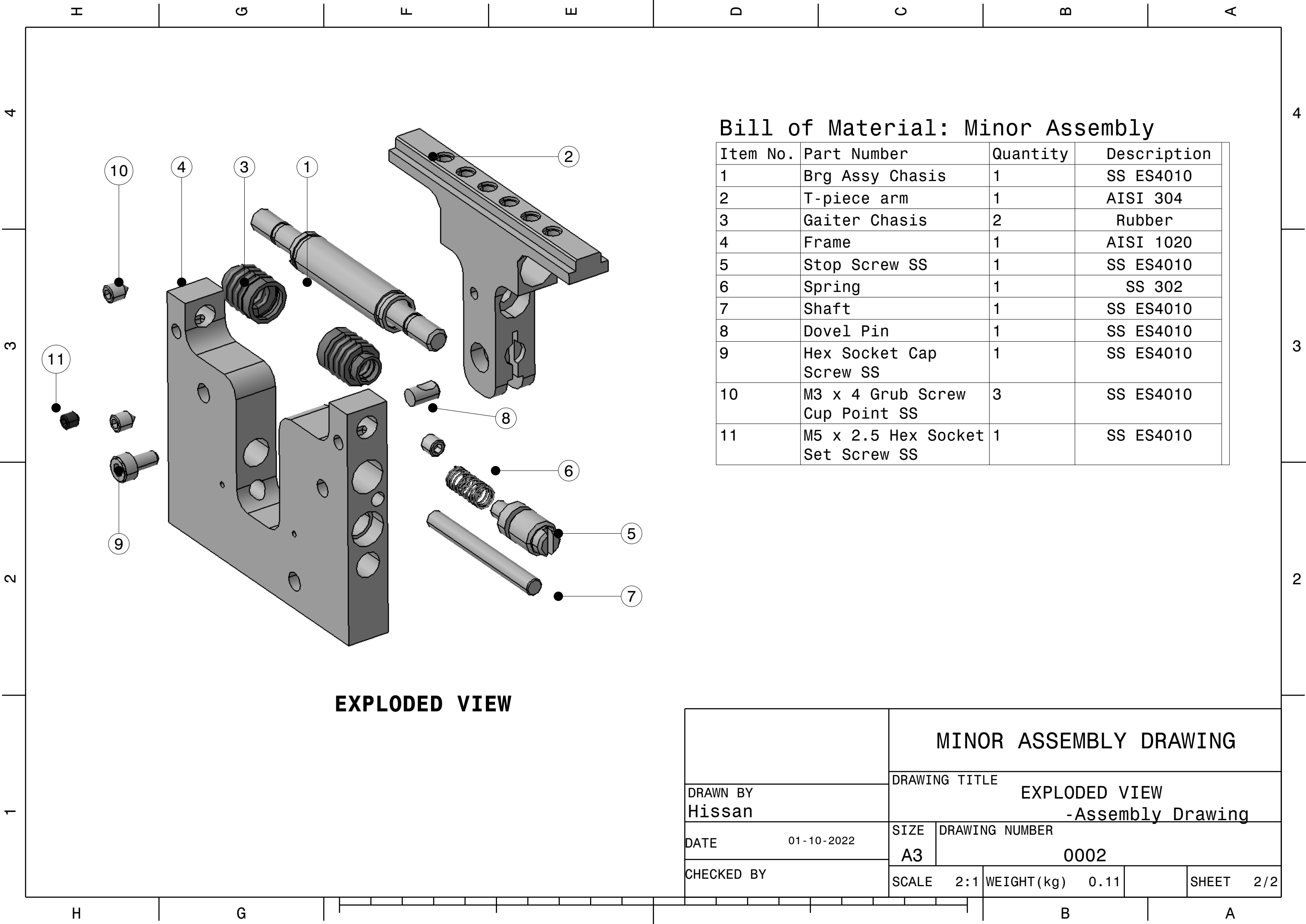


ASSEMBLY INSTRUCTIONS :

- 1. Place the T- piece over the frame allowing the shaft to pass through
- 2. Place the spring through the Stop screw and insert .
- 3.The gaiter chassis must be placed through the Brg Assy chassis and make sure the offset is 0mm
- 4. Fasteners are to be screwd as mentioned in the exploded view .

- NOTE :
- 1. All dimensions are in mm.
 - 2. Drawing is in third angle projection.
 - 3. Method of manufacturing : Casting
 - 4. General tolerance : ± 0.1 mm.
 - 5. Material : AISI 1020 , AISI 307

DESIGNED BY: Hissan		MINOR ASSEMBLY DRAWING		I	—
DATE: 01-10-2022				H	—
CHECKED BY:				G	—
SIZE A3		 P I		F	—
SCALE 2:1				E	—
WEIGHT (kg) 0.11		Drawing name: ASSEMBLY DRAWING		D	—
				C	—
		SHEET 1 / 2		B	—
				A	—
This drawing is our property; it can't be reproduced or communicated without our written agreement.					

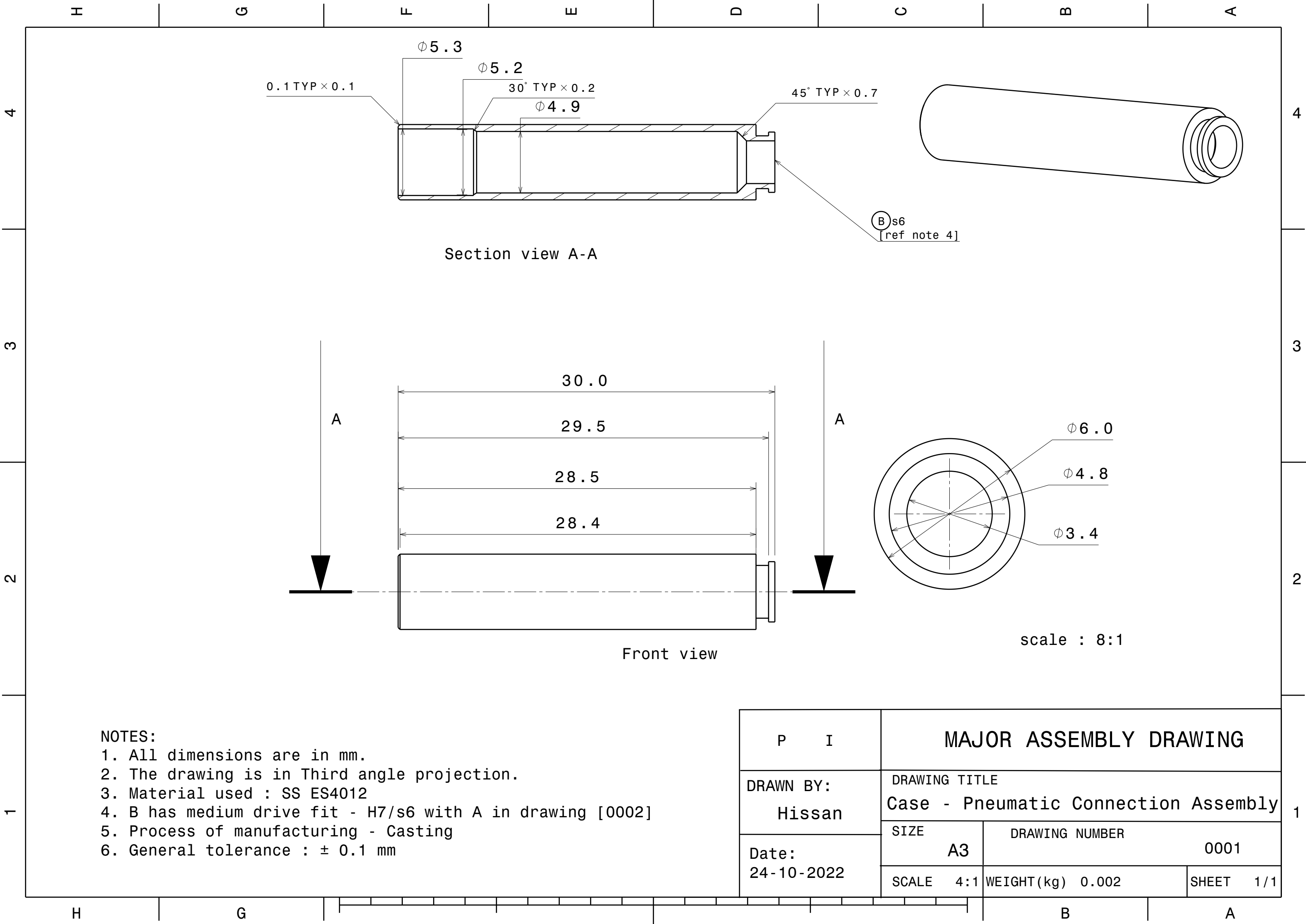


EXPLODED VIEW

Bill of Material: Minor Assembly

Item No.	Part Number	Quantity	Description
1	Brg Assy Chasis	1	SS ES4010
2	T-piece arm	1	AISI 304
3	Gaiter Chasis	2	Rubber
4	Frame	1	AISI 1020
5	Stop Screw SS	1	SS ES4010
6	Spring	1	SS 302
7	Shaft	1	SS ES4010
8	Dovel Pin	1	SS ES4010
9	Hex Socket Cap Screw SS	1	SS ES4010
10	M3 x 4 Grub Screw Cup Point SS	3	SS ES4010
11	M5 x 2.5 Hex Socket Set Screw SS	1	SS ES4010

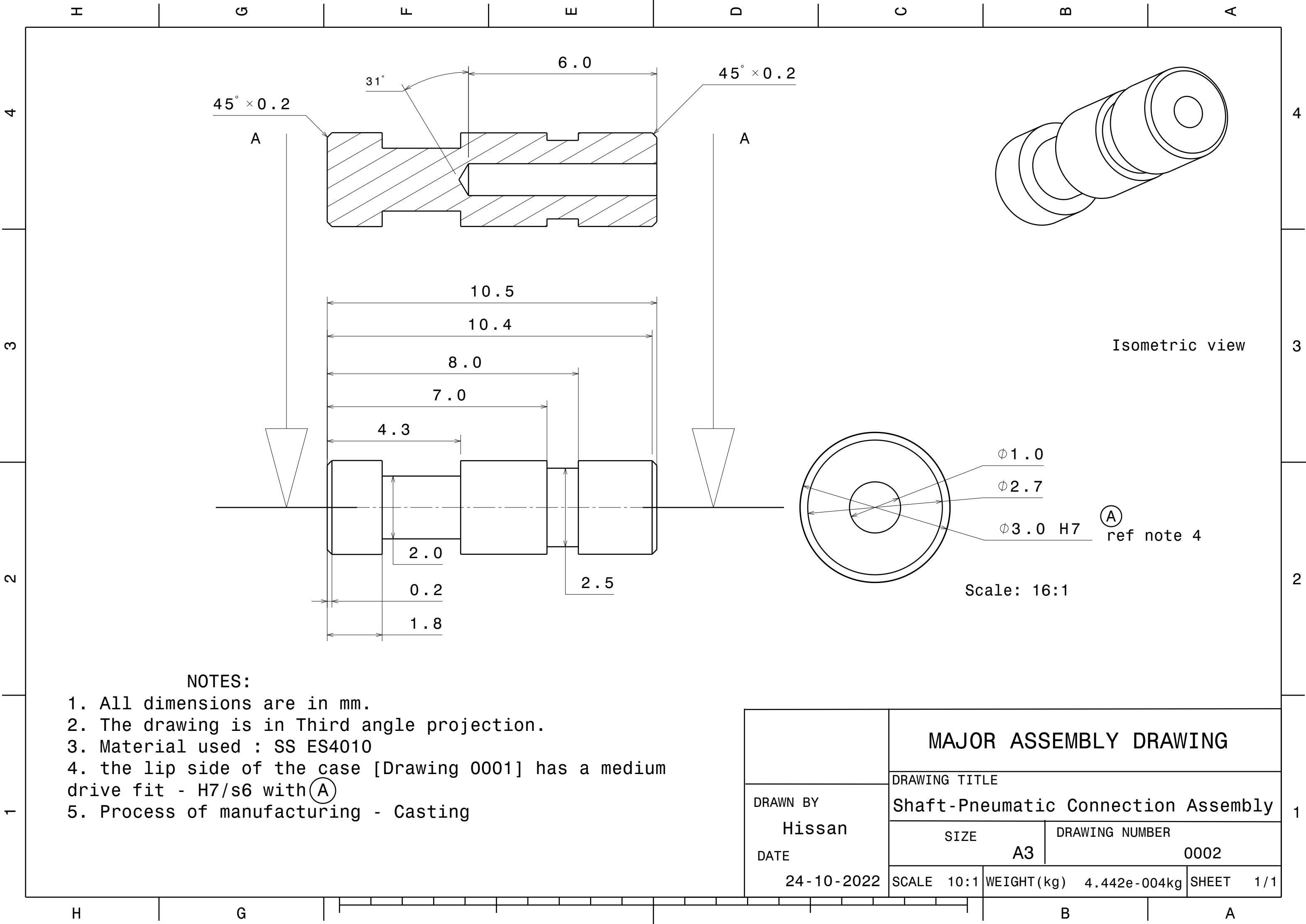
		MINOR ASSEMBLY DRAWING			
		DRAWING TITLE EXPLODED VIEW -Assembly Drawing			
DRAWN BY Hissan		SIZE A3	DRAWING NUMBER 0002		
DATE 01-10-2022		CHECKED BY		SCALE 2:1	WEIGHT (kg) 0.11
				SHEET 2/2	

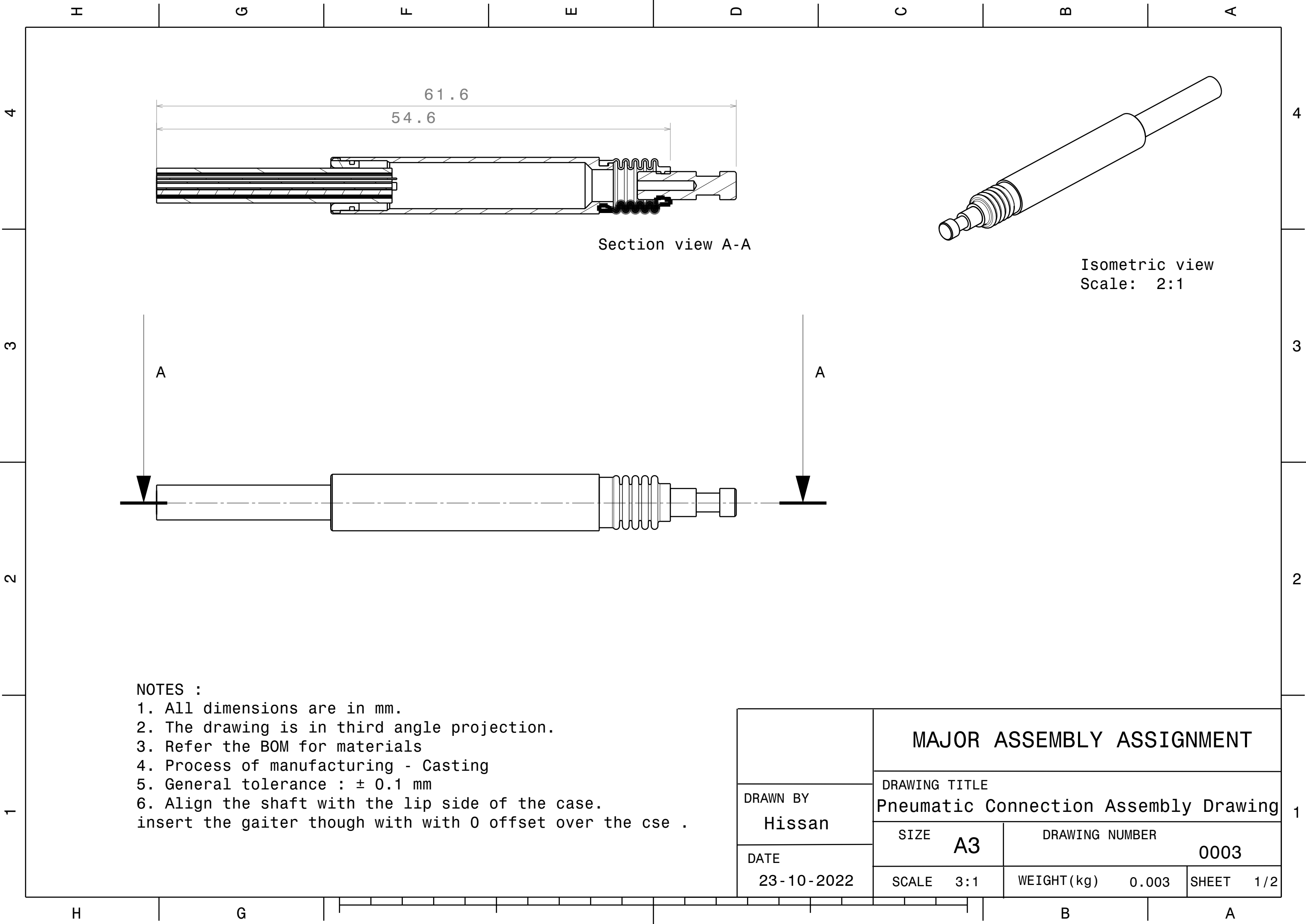


NOTES:

- 1. All dimensions are in mm.
- 2. The drawing is in Third angle projection.
- 3. Material used : SS ES4012
- 4. B has medium drive fit - H7/s6 with A in drawing [0002]
- 5. Process of manufacturing - Casting
- 6. General tolerance : ± 0.1 mm

P I		MAJOR ASSEMBLY DRAWING		
DRAWN BY: Hissan		DRAWING TITLE Case - Pneumatic Connection Assembly		
		SIZE A3	DRAWING NUMBER 0001	
Date: 24-10-2022		SCALE 4:1	WEIGHT(kg) 0.002	SHEET 1/1

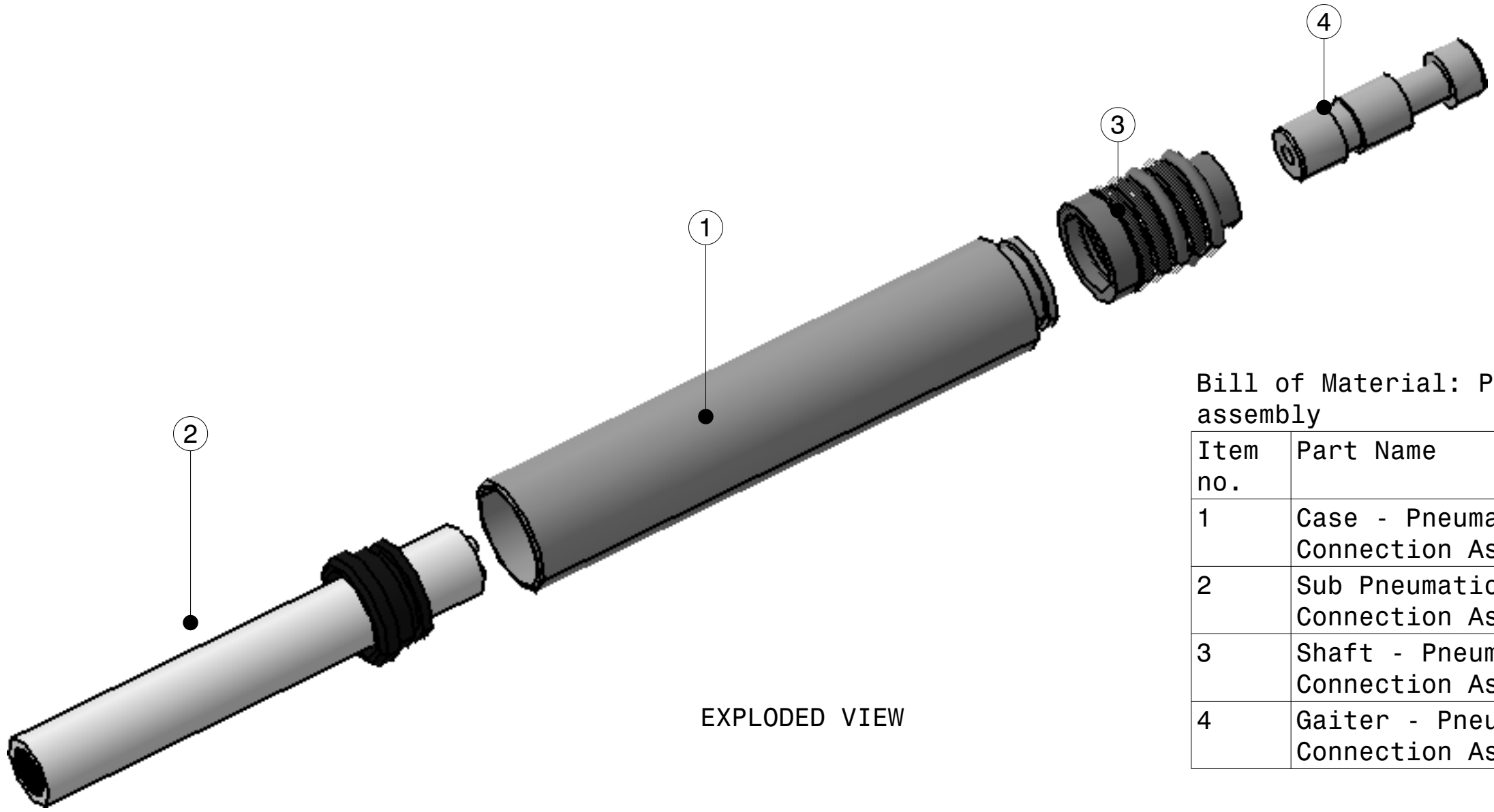




NOTES :

- 1. All dimensions are in mm.
- 2. The drawing is in third angle projection.
- 3. Refer the BOM for materials
- 4. Process of manufacturing - Casting
- 5. General tolerance : ± 0.1 mm
- 6. Align the shaft with the lip side of the case.
insert the gaiter though with with 0 offset over the cse .

DRAWN BY Hissan DATE 23-10-2022	MAJOR ASSEMBLY ASSIGNMENT			
	DRAWING TITLE Pneumatic Connection Assembly Drawing			
	SIZE A3	DRAWING NUMBER 0003		
	SCALE 3:1	WEIGHT(kg) 0.003	SHEET 1/2	



EXPLODED VIEW

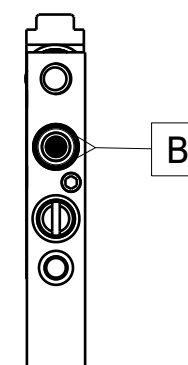
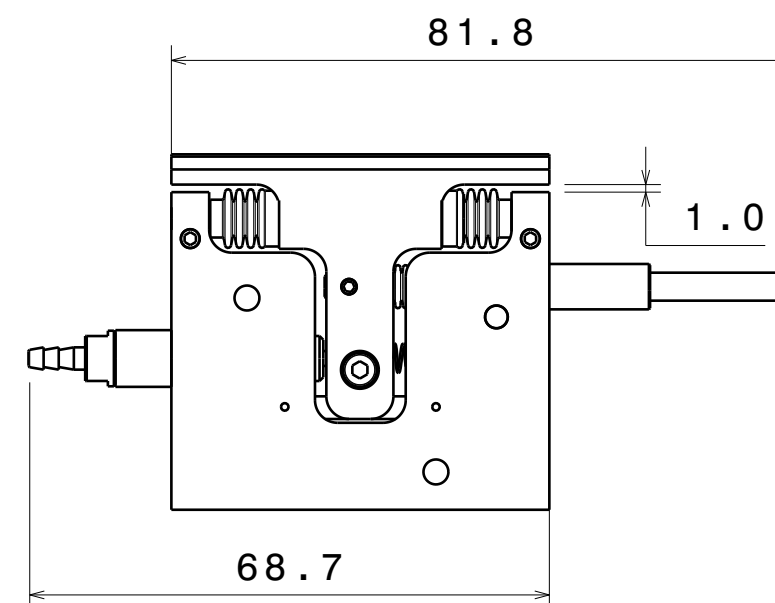
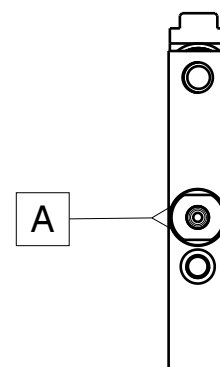
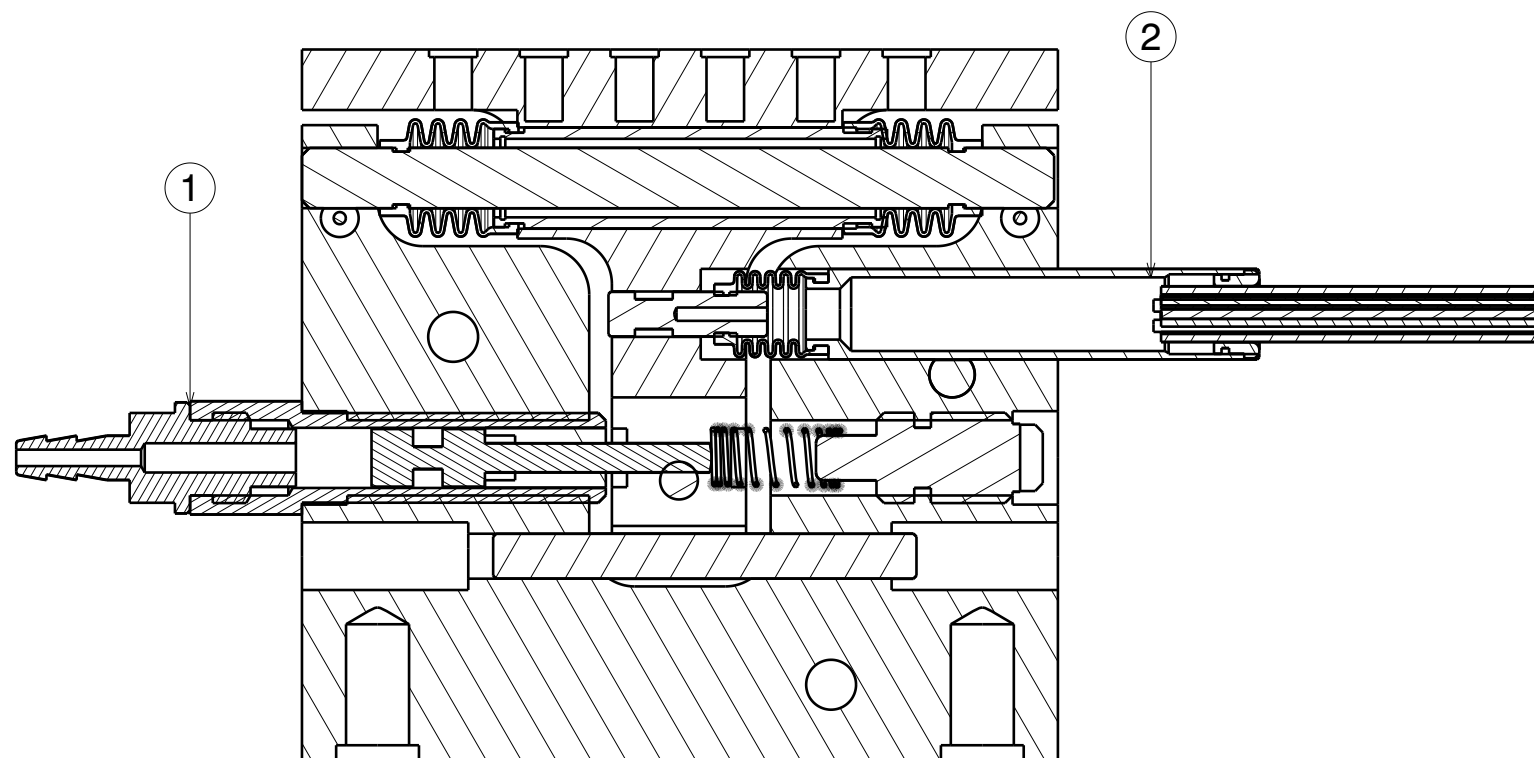
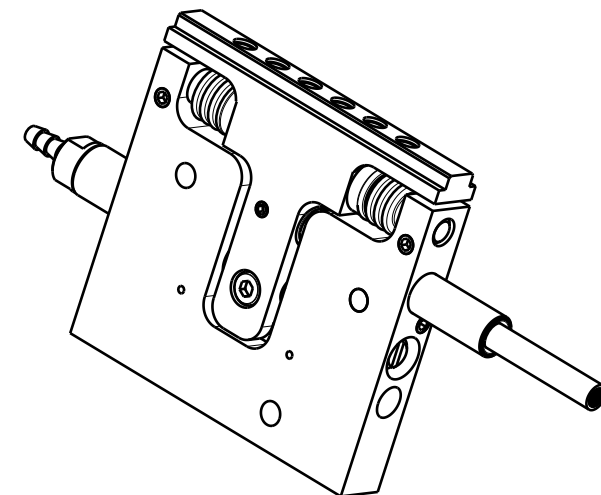
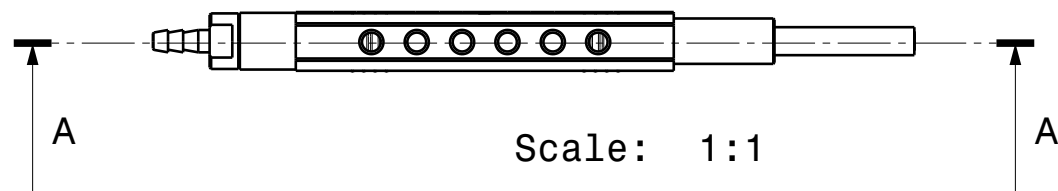
Bill of Material: Pneumatic connection assembly

Item no.	Part Name	quantit y	material
1	Case - Pneumatic Connection Assembly	1	SS ES4012
2	Sub Pneumatic Connection Assembly	1	NYLON
3	Shaft - Pneumatic Connection Assembly	1	SS ES4010
4	Gaiter - Pneumatic Connection Assembly	1	Rubber

NOTES:

- 1.All dimensions are in mm.
- 2.The drawing is in third angle projection.
- 3. Plug part 2 into 1 as shown with the nylon gaiter having 0 offset with the tip of the case
- 4. General tolerance : ± 0.1 mm

DRAWN BY Hissan DATE 25-10-2022	MAJOR ASSEMBLY DRAWING			
	DRAWING TITLE EXPLODED VIEW Pneumatic connection assembly			
	SIZE A3		DRAWING NUMBER 0004	
	SCALE 2:1	WEIGHT (kg)	0.003	SHEET 2/2

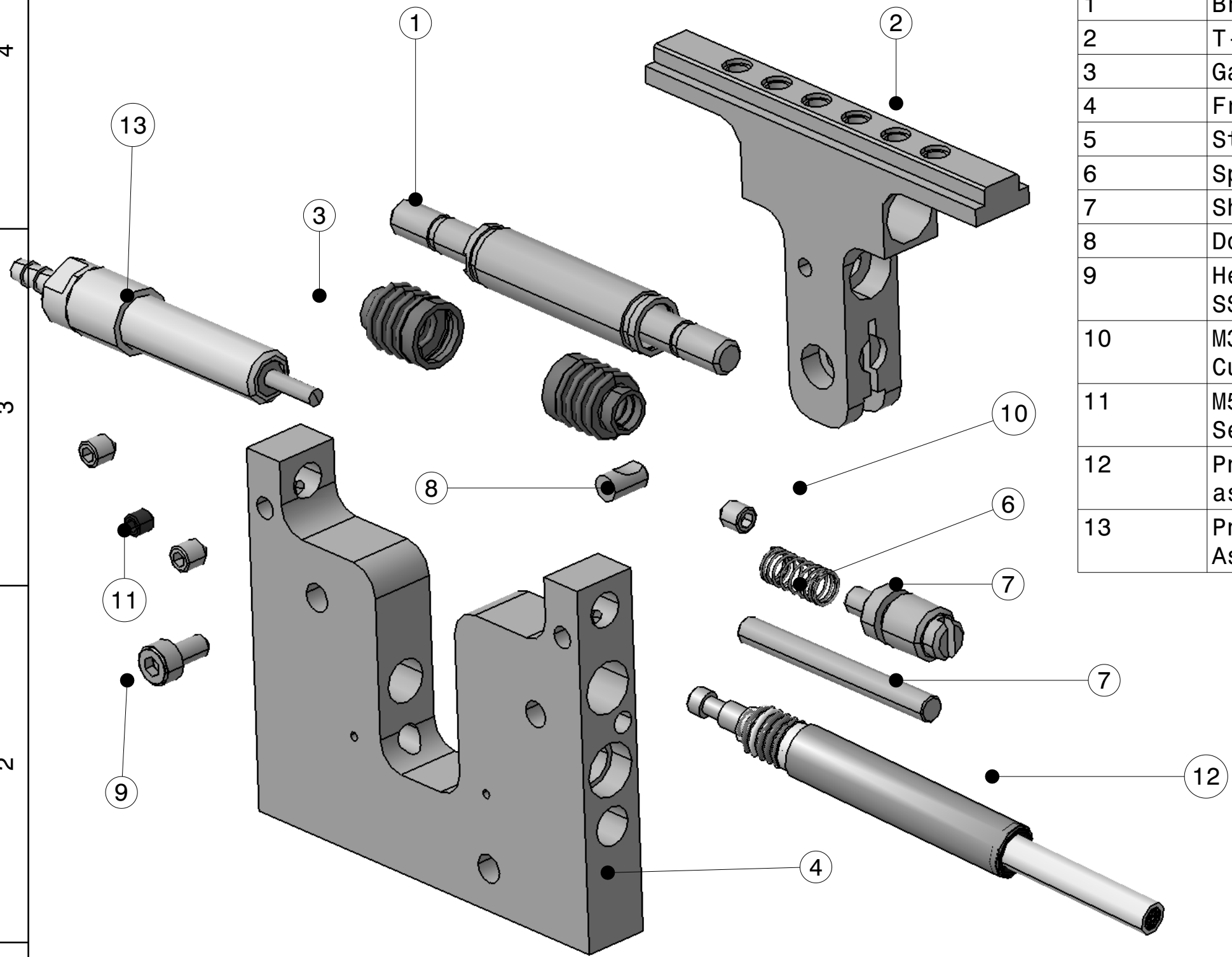


- NOTES :
1. All dimesnions are in mm.
 2. The drawing is in third angle projection
 3. No.1 has to be inserted to hole A and No.2 has to be inserted to hole B
 4. General tolerance : ± 0.1 mm
 5. Refer BOM for the materials
 6. All fasteners are to be attached to their respective postions
 6. Flush the assemblies to the vertical arm of T-piece.

DRAWN BY	P I I		
Hissan	DRAWING TITLE MAJOR ASSEMBLY DRAWING		
DATE	SIZE A3	DRAWING NUMBER ASSY 0005	
28-10-2022	SCALE 2:1	WEIGHT(kg) 0.12	SHEET 1/2

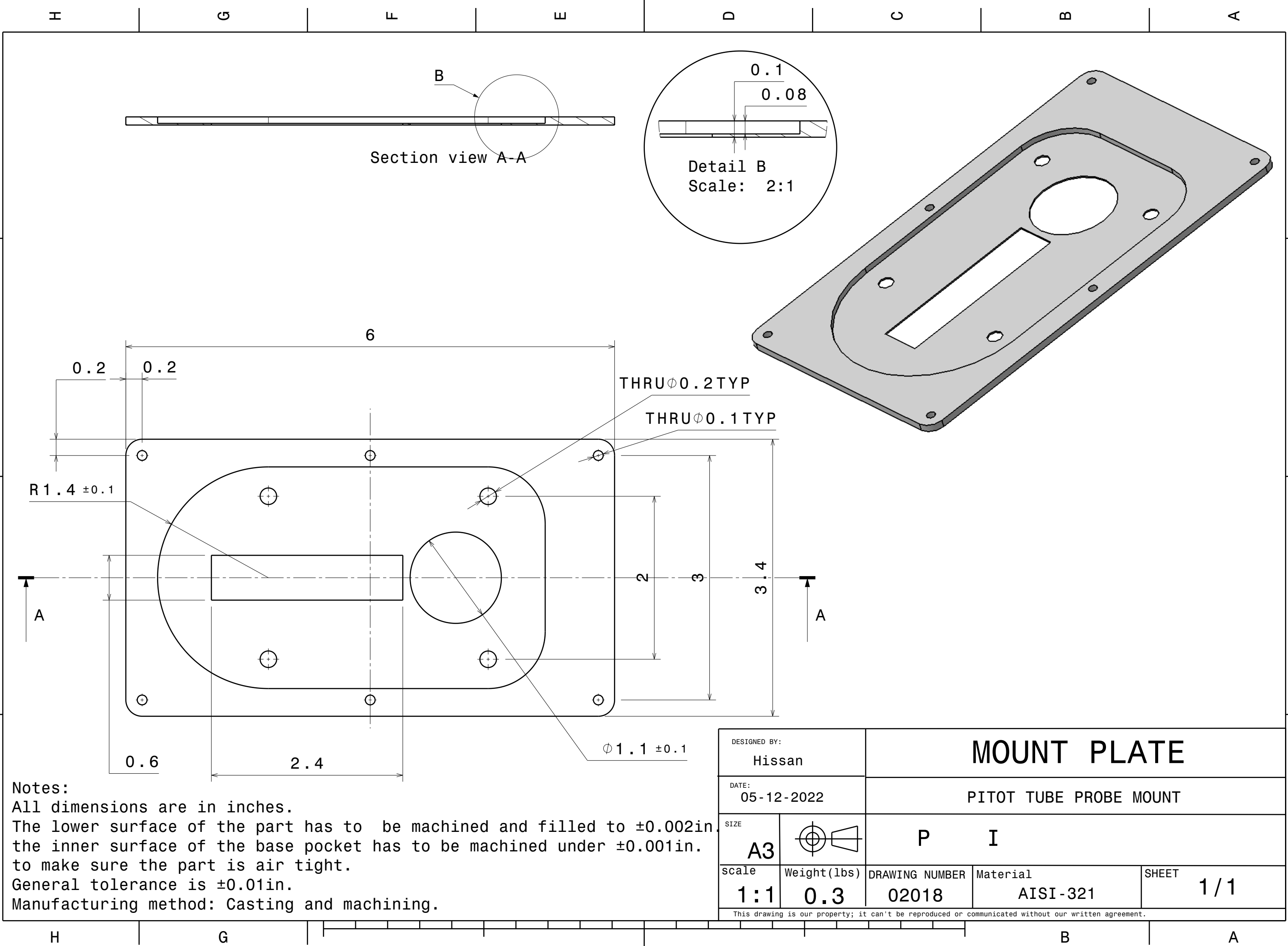
Bill of Material: MAJOR ASSEMBLY DRAWING

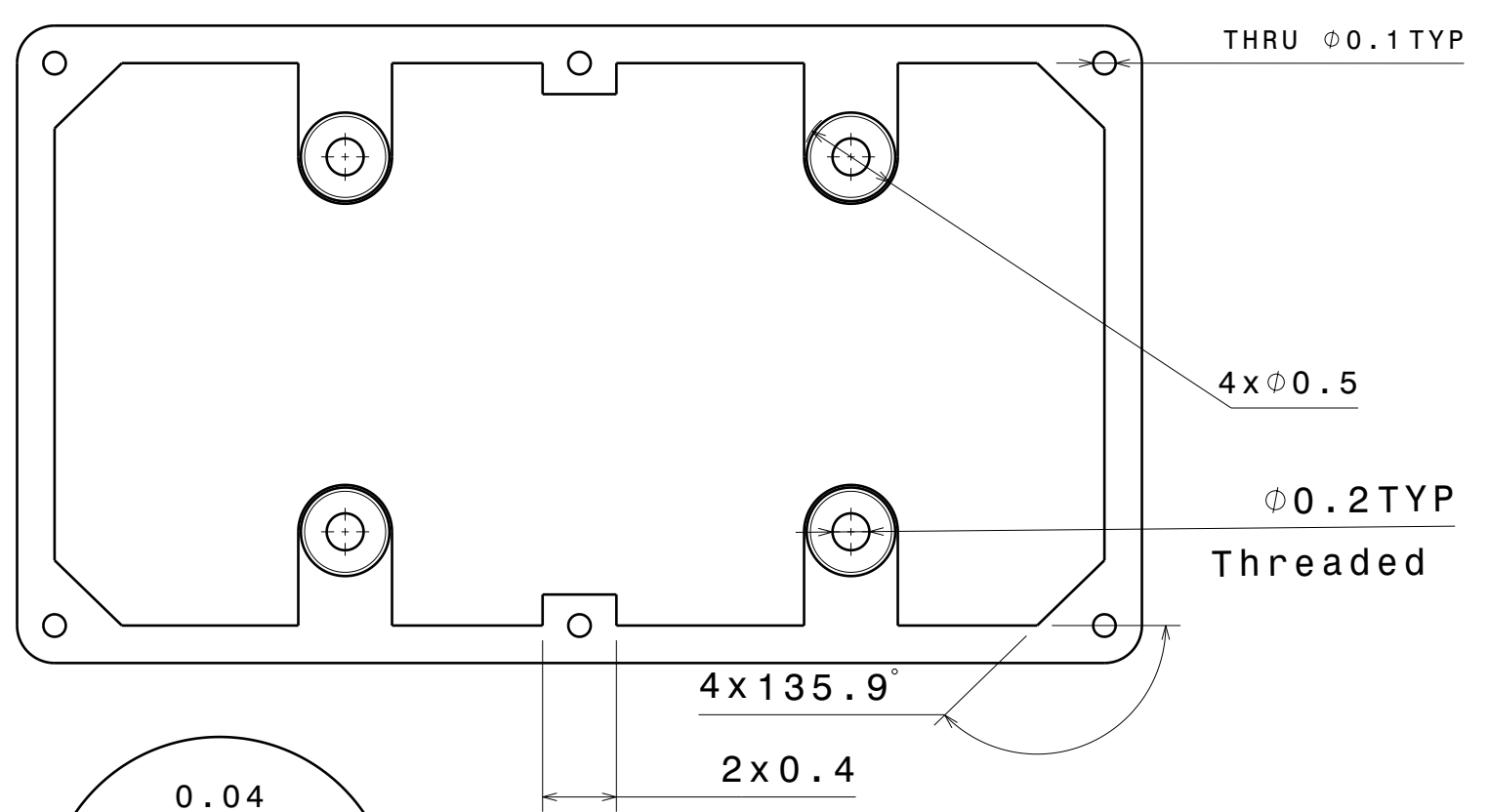
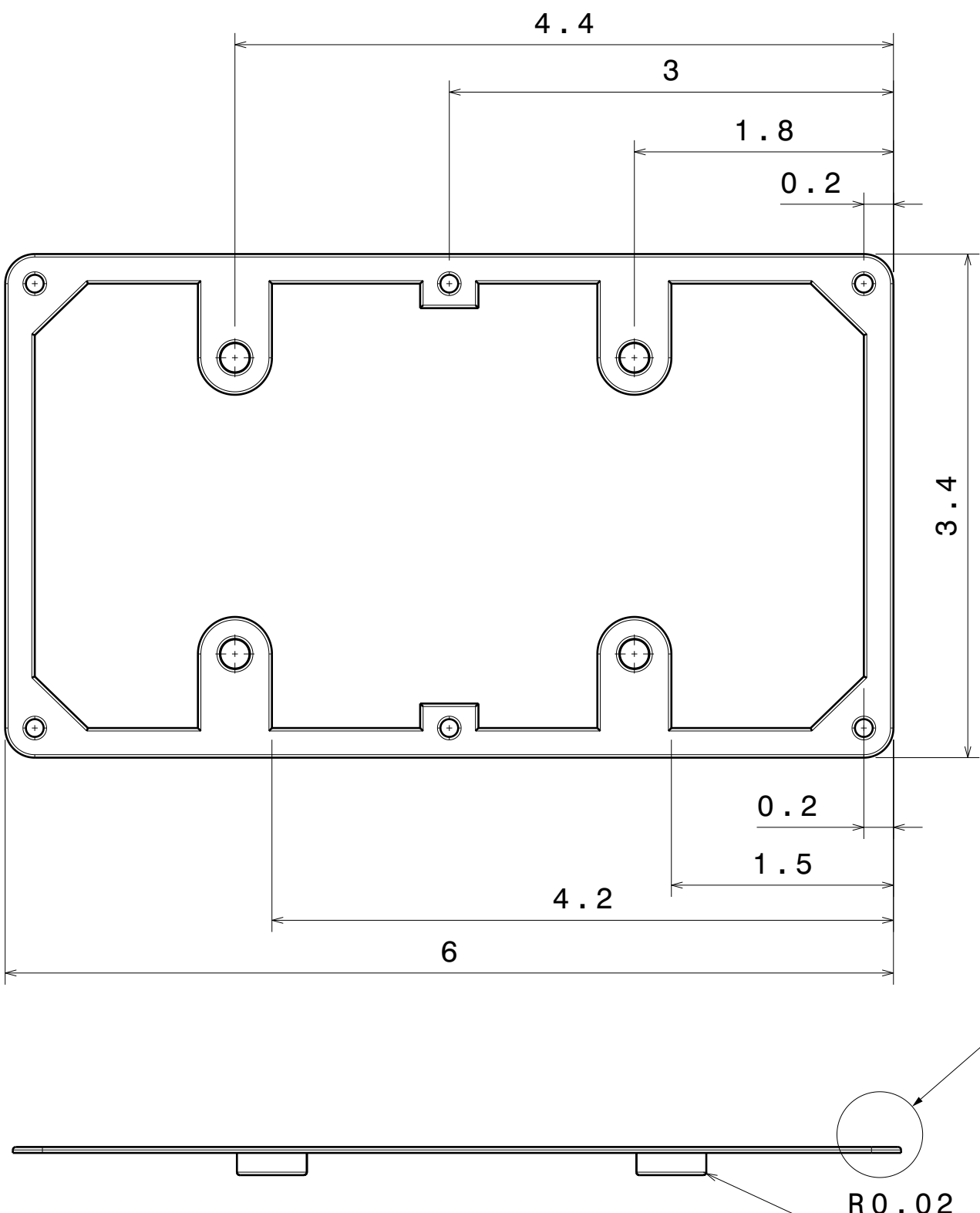
Item No.	Part Name	Quantity	Material
1	Brg Assy Chasis	1	SS ES4010
2	T-peice arm	1	AISI 304
3	Gaiter Chasis	2	Rubber
4	Frame	1	AISI 1020
5	Stop Screw SS	1	SS ES4010
6	Spring	1	SS 302
7	Shaft	1	SS ES4010
8	Dovel Pin	1	SS ES4010
9	Hex Socket Cap Screw SS	1	SS ES4010
10	M3 x 4 Grub Screw Cup Point SS	3	SS ES4010
11	M5 x 2.5 Hex Socket Set Screw SS	1	SS ES4010
12	Pneumatic connection assembly	1	Ref ASSY BOM
13	Pneumatic Actuator Assembly	1	SS ES4012 [nozzle: SS316]



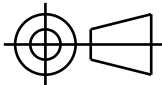
EXPLODED VIEW

DRAWN BY	P I		
	DRAWING TITLE MAJOR ASSEMBLY DRAWING Exploded View		
DATE	SIZE A3	DRAWING NUMBER 0006	
	SCALE 2:1	WEIGHT (kg) 0.12	SHEET 2/2

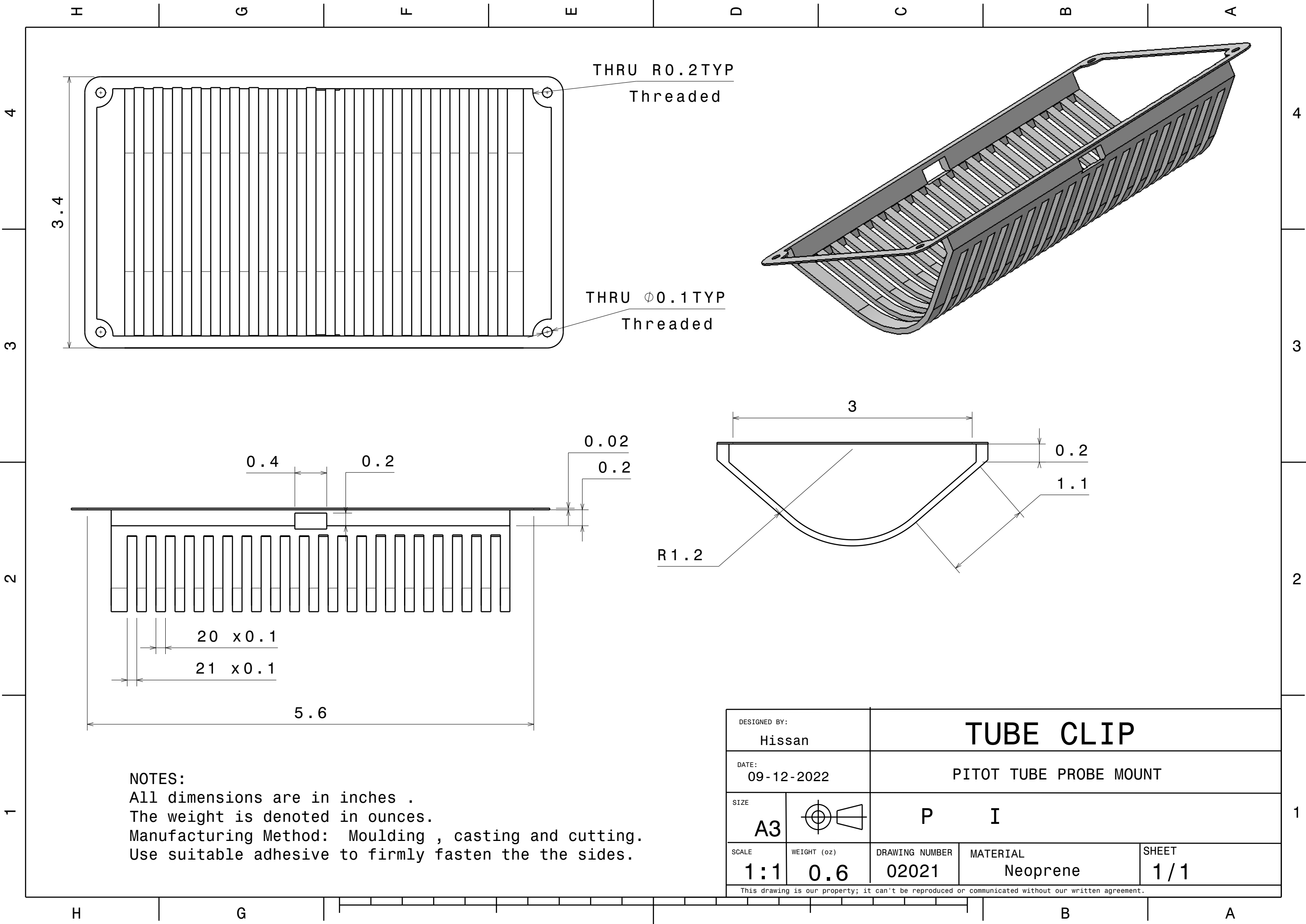




NOTES:
1.All dimensions are in inches.
2.The edges of the whole structure is chamfered to 0.02" .
3.The edges of the nut plate has to be rounded .
4.The top surface must be machined and polished to reduce vibrations.
5.All holes are threaded as per the bolt specifications.
6.Manufacturing method : Casting and machining.

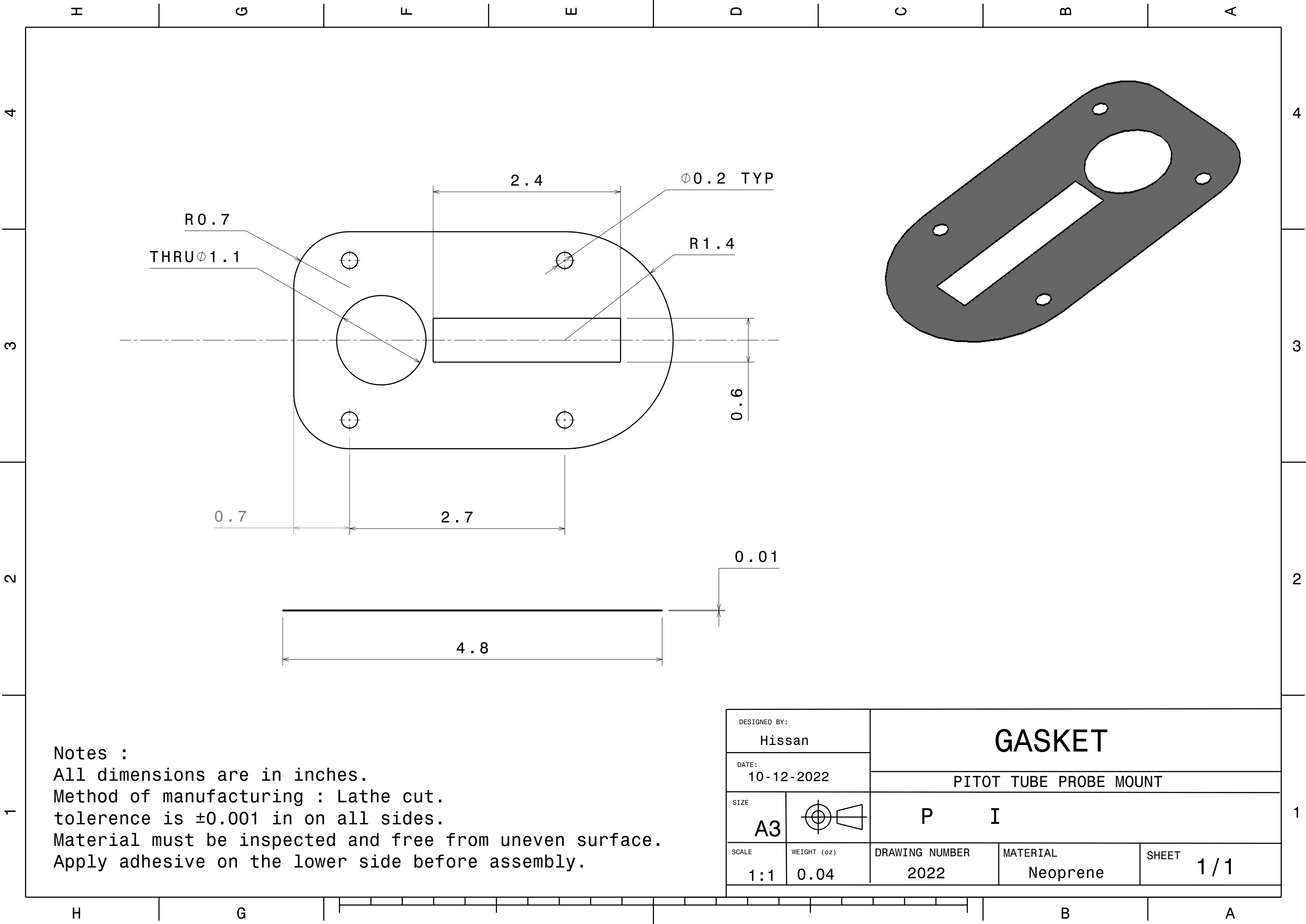
DESIGNED BY: Hissan		SUPPORT PLATE	
DATE: 05-12-2022			
		PITOT TUBE PROBE MOUNT	
SIZE A3		P I	
SCALE 1:1	WEIGHT (oz) 0.04	DRAWING NUMBER 02019	SHEET 1 / 1
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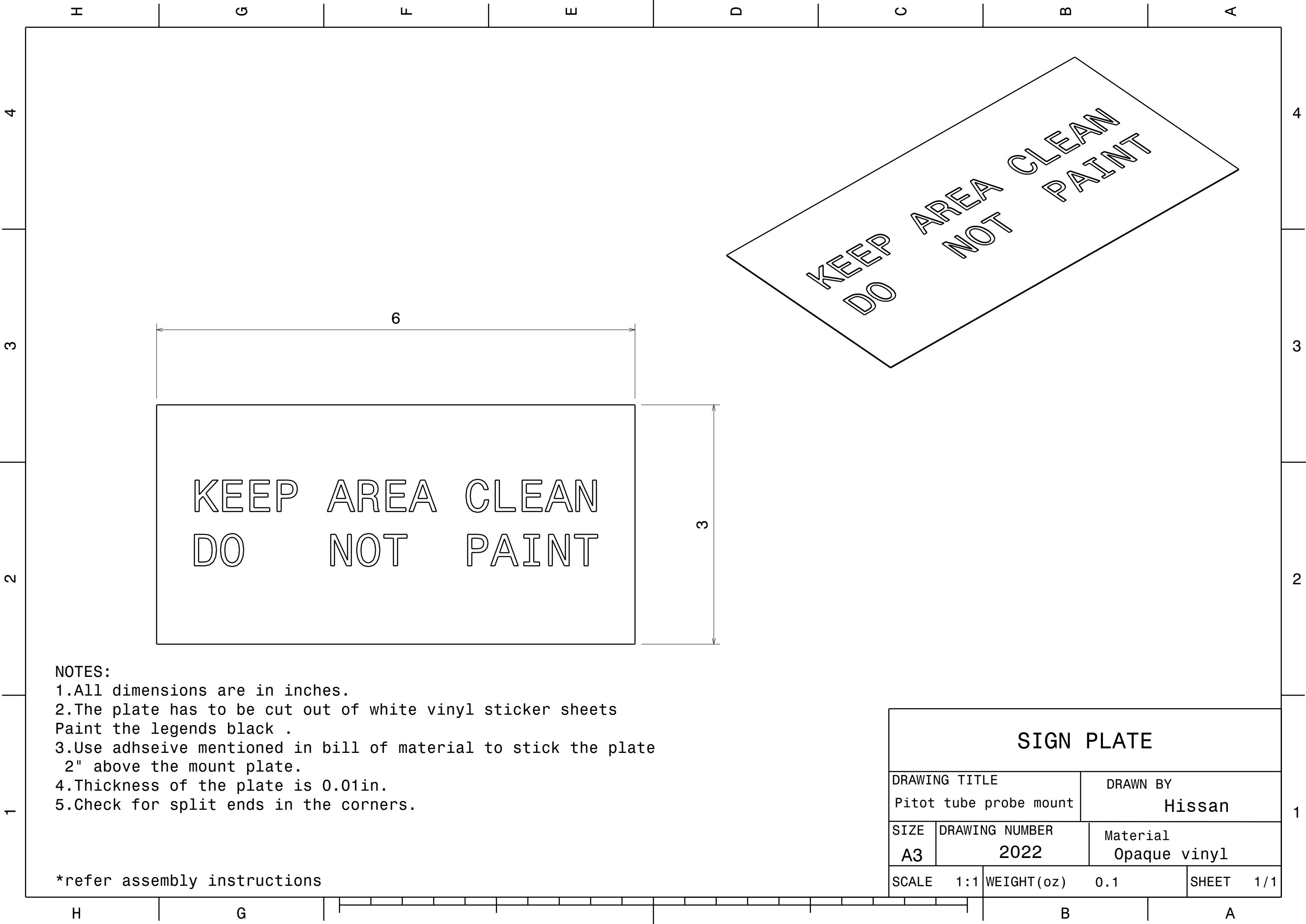
This drawing is our property; it can't be reproduced or communicated without our written agreement.



NOTES:
All dimensions are in inches .
The weight is denoted in ounces.
Manufacturing Method: Moulding , casting and cutting.
Use suitable adhesive to firmly fasten the the sides.

DESIGNED BY: Hissan		TUBE CLIP		
DATE: 09-12-2022		PITOT TUBE PROBE MOUNT		
SIZE A3		P I		
SCALE 1:1	WEIGHT (oz) 0.6	DRAWING NUMBER 02021	MATERIAL Neoprene	SHEET 1 / 1
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NOTES:
1.All dimensions are in inches.
2.The plate has to be cut out of white vinyl sticker sheets
Paint the legends black .
3.Use adhseive mentioned in bill of material to stick the plate
2" above the mount plate.
4.Thickness of the plate is 0.01in.
5.Check for split ends in the corners.

*refer assembly instructions

SIGN PLATE			
DRAWING TITLE		DRAWN BY	
Pitot tube probe mount		Hissan	
SIZE	DRAWING NUMBER		Material
A3	2022		Opaque vinyl
SCALE	1:1	WEIGHT (oz)	SHEET
		0.1	1/1

H

G

F

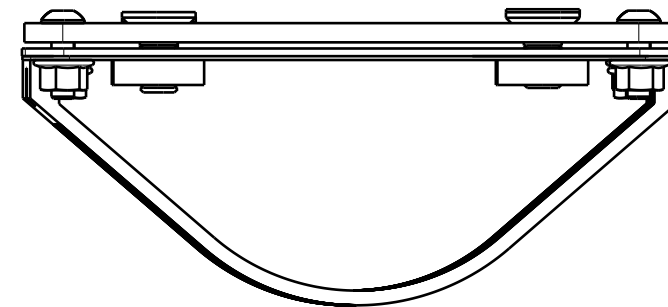
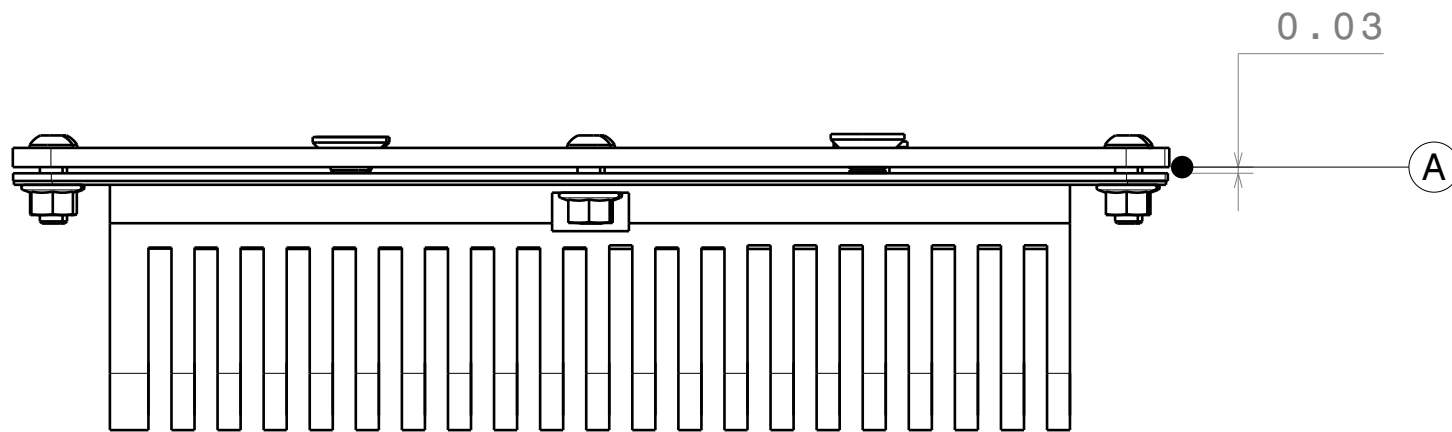
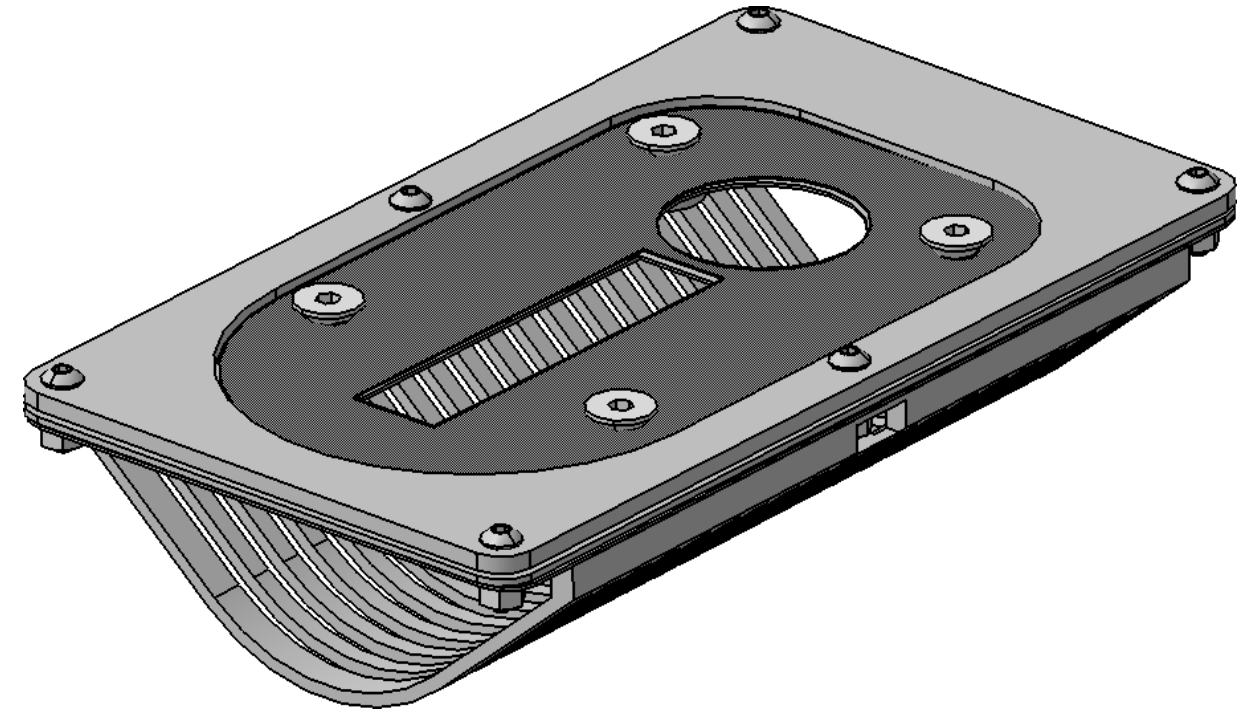
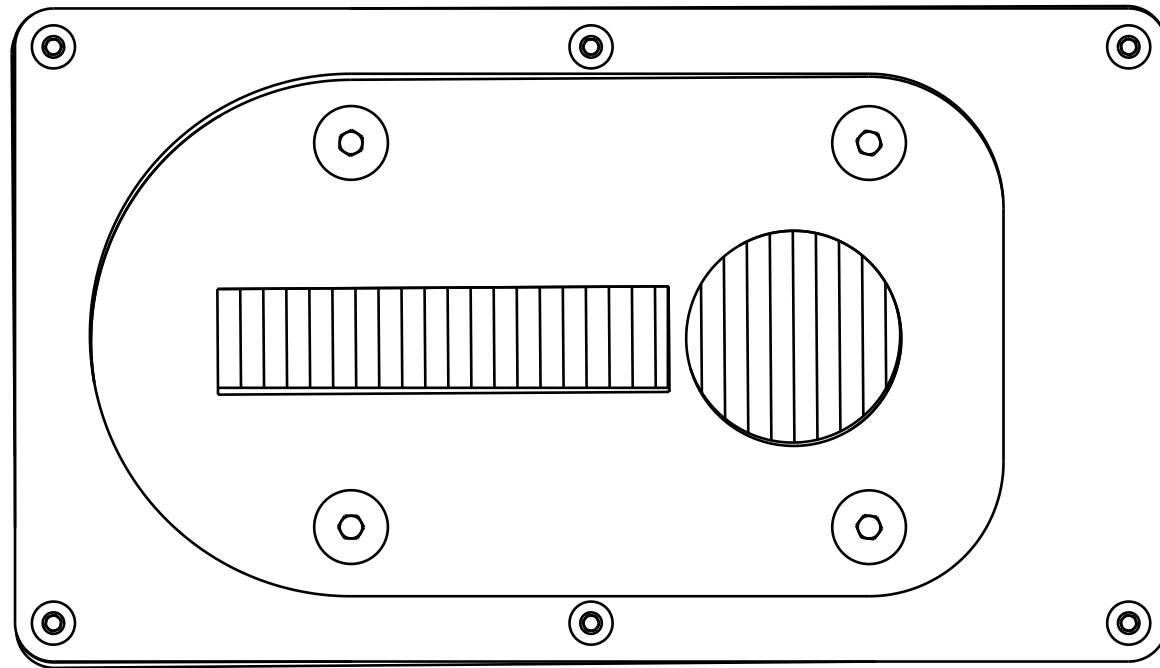
E

D

C

B

A



NOTES:
All dimensions are in inches.
'A' is the thickness of the fuselage.

*refer sheet 4 for assembly instructions

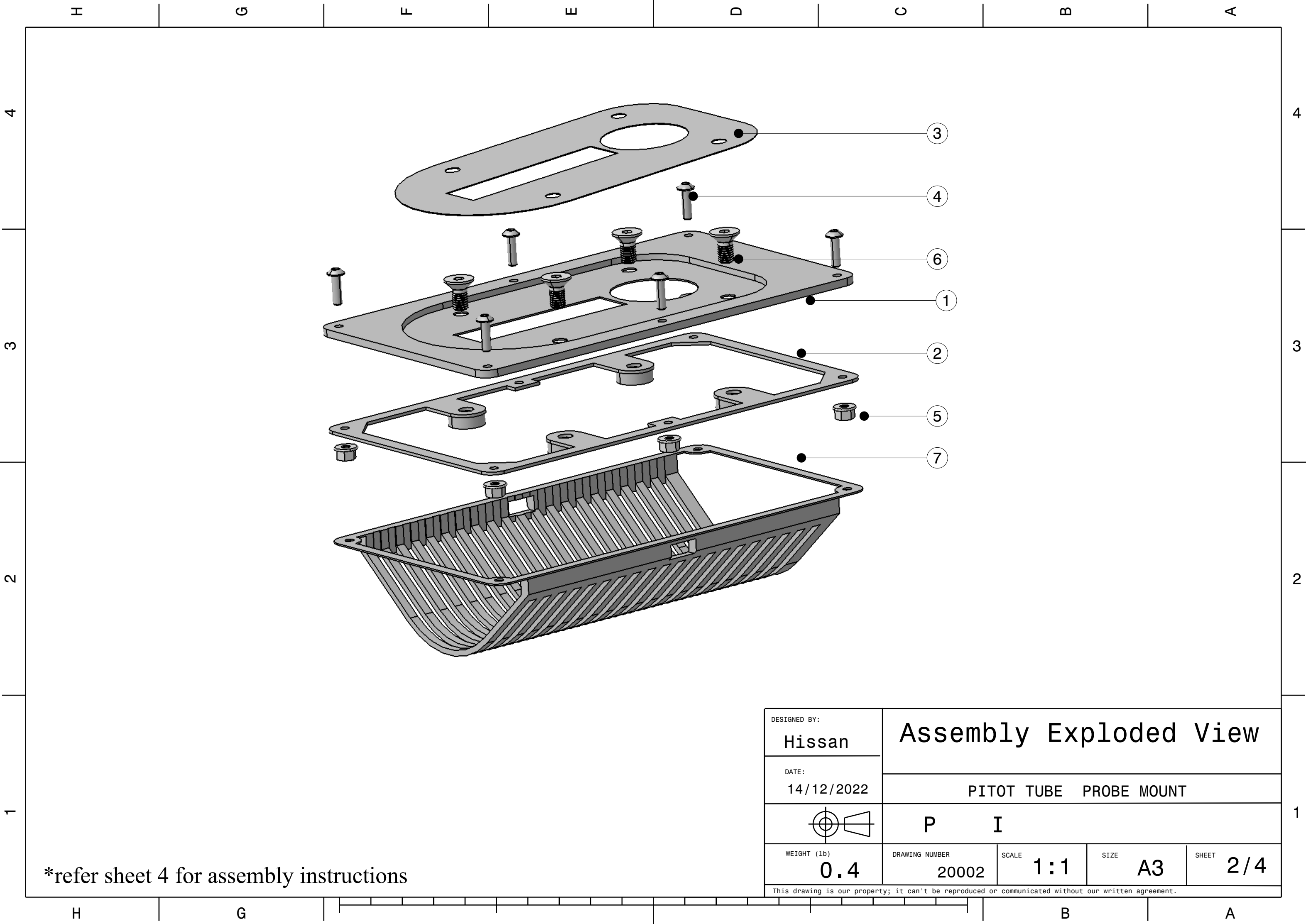
PITOT TUBE PROBE MOUNT				
DRAWING TITLE Assembly		DRAWN BY Hissan		
SIZE A3	DRAWING NUMBER 2023			
SCALE	1 : 1	WEIGHT (lbs)	0.4	SHEET 1 / 4

H

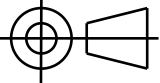
G

B

A



*refer sheet 4 for assembly instructions

DESIGNED BY: Hissan	Assembly Exploded View			
DATE: 14/12/2022	PITOT TUBE PROBE MOUNT			
	P I			
WEIGHT (lb) 0.4	DRAWING NUMBER 20002	SCALE 1:1	SIZE A3	SHEET 2/4
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