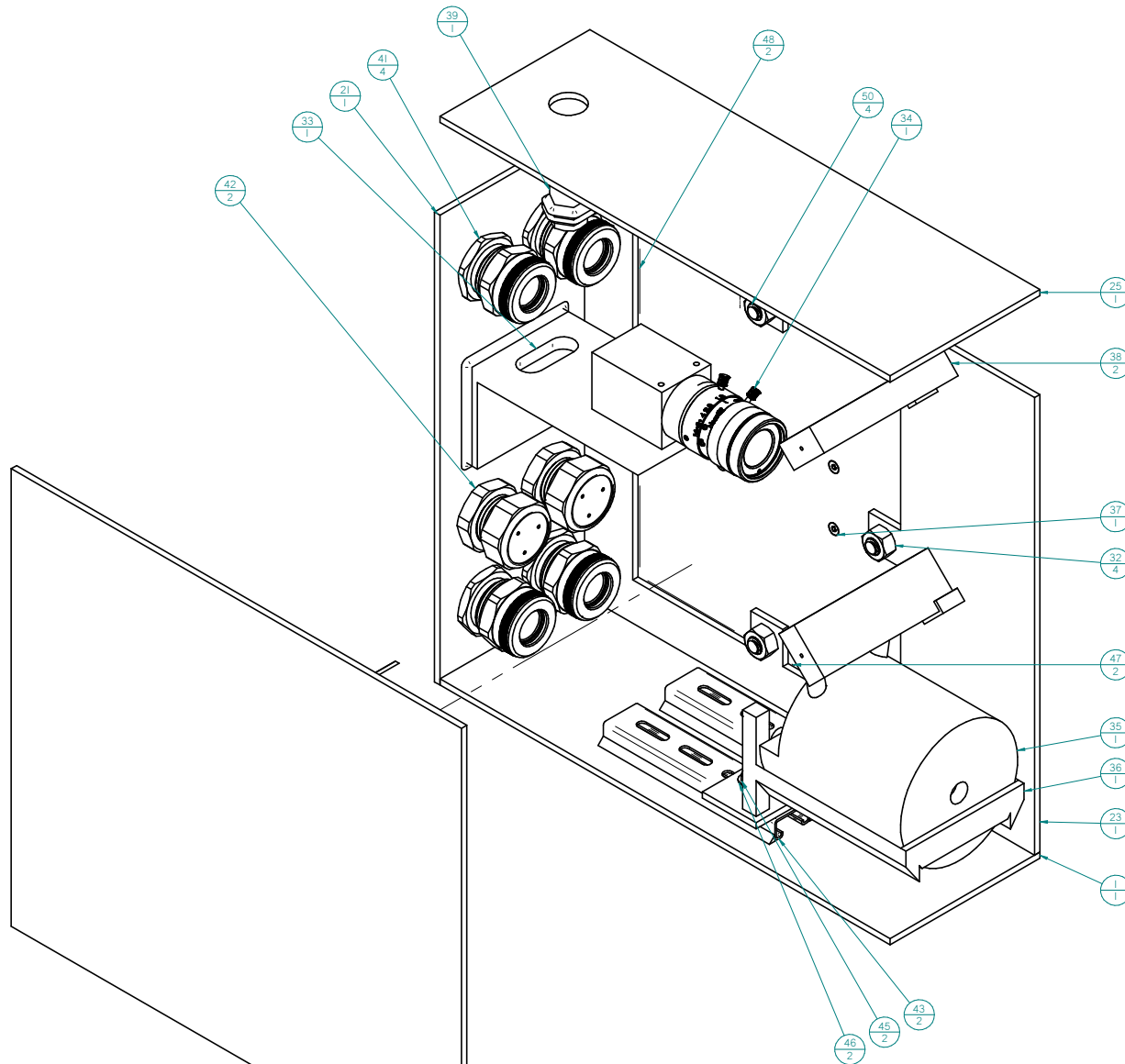


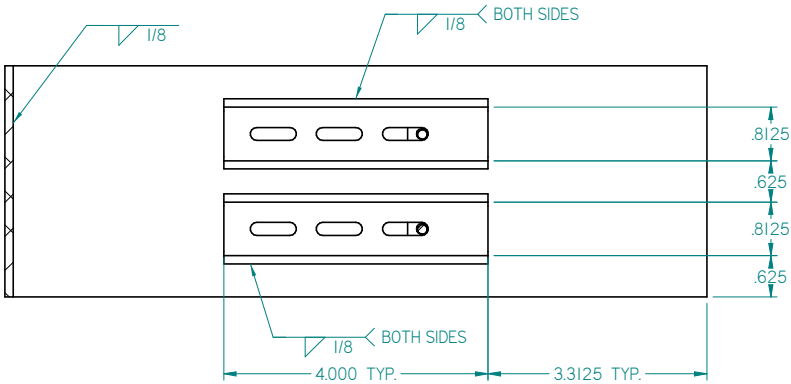


Item Number	Quantity	File Name (no extension)	Mass (Quantity)	Material
1	1	Imager Bottom Plate	0.450 lbm	Aluminum, 6061-T6
21	1	Imager Back Wall	0.391 lbm	Aluminum, 6061-T6
23	1	Imager Hatch Side Plate	0.000 lbm	Aluminum
25	1	Imager Top Plate	0.446 lbm	Aluminum, 6061-T6
32	4	0.3125 Medium-Strength Steel Hex Nut	0.046 lbm	Steel
33	1	Imager Camera Mount	0.291 lbm	Aluminum, 6061-T6
34	1	Camera and lens	0.000 lbm	
35	1	Sphere	1.758 lbm	Aluminum, 6061-T6
36	1	Imager Support Foot	0.169 lbm	Aluminum, 6061-T6
37	1	Imager Hatch	0.633 lbm	Aluminum, 6061-T6
38	2	Light Bar	0.134 lbm	Polycarbonate
39	1	0.4375 Zinc-Plated Steel Coupling Nut	0.018 lbm	Aluminum, 6061-T6
40*	1	0.4375 45 Degree Flared Fitting for Copper and Brass Tubing	0.034 lbm	Brass, yellow brass
41	4	0.5 Aluminum Submersible Cord Grip	0.325 lbm	Aluminum, 6061-T6
42	2	3 Hole Multi-Cord Grip	0.076 lbm	ABS Plastic, medium impact
43	2	Extra Low-Profile Strut Channel	0.055 lbm	Aluminum, 6061-T6
44	2	Strut Channel Nut	0.008 lbm	Aluminum, 6061-T6
45	2	#8 x 0.5 Zinc Yellow-Chromate Plated Hex Head Screw	0.008 lbm	Stainless steel
46	2	#8 Stainless Steel Washer	0.001 lbm	Stainless steel
47	2	6.75 in Long Rubber Seal 0.1875 thk	0.016 lbm	Silicone
48	2	8 in Long Rubber Seal 0.1875 thk	0.019 lbm	Silicone
49*	4	0.3125 316 Stainless Steel Washer	0.017 lbm	Stainless steel
50	4	0.3125 x 0.75 High-Strength Grade 8 Steel Hex Head Screw	0.101 lbm	Steel
51*	2	Threaded-Hole Round Pull Handle	0.015 lbm	Aluminum, 6061-T6
52*	4	#4-40 x 0.3125 Black-Oxide Alloy Steel Hex Drive Flat Head Screw	0.004 lbm	Steel

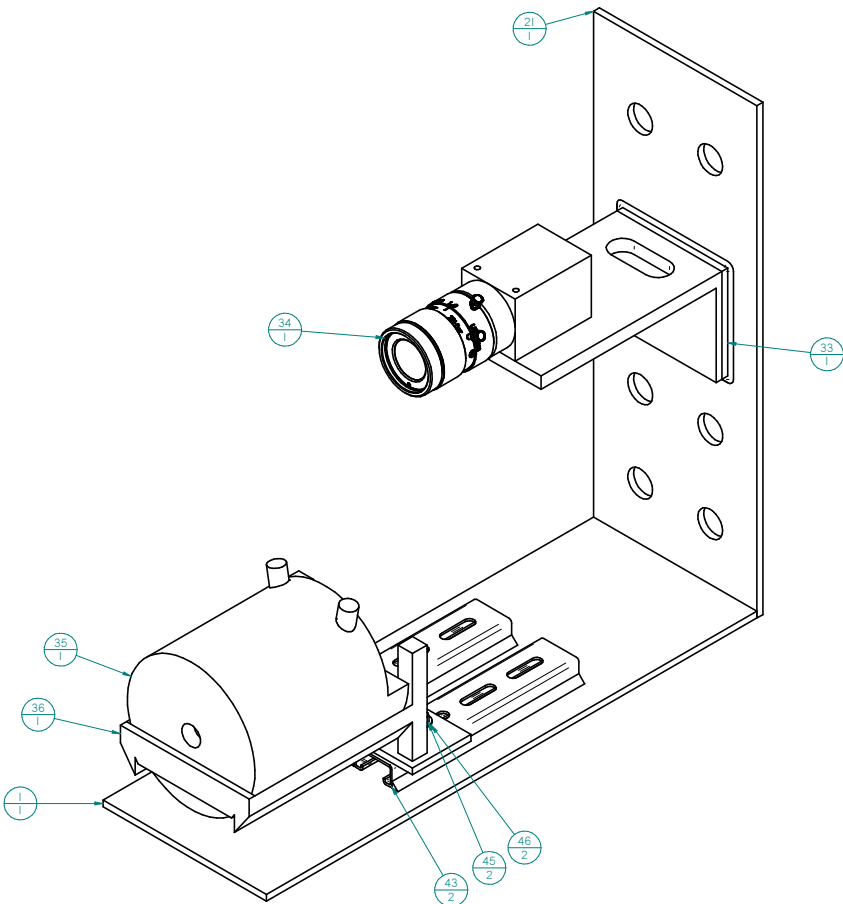
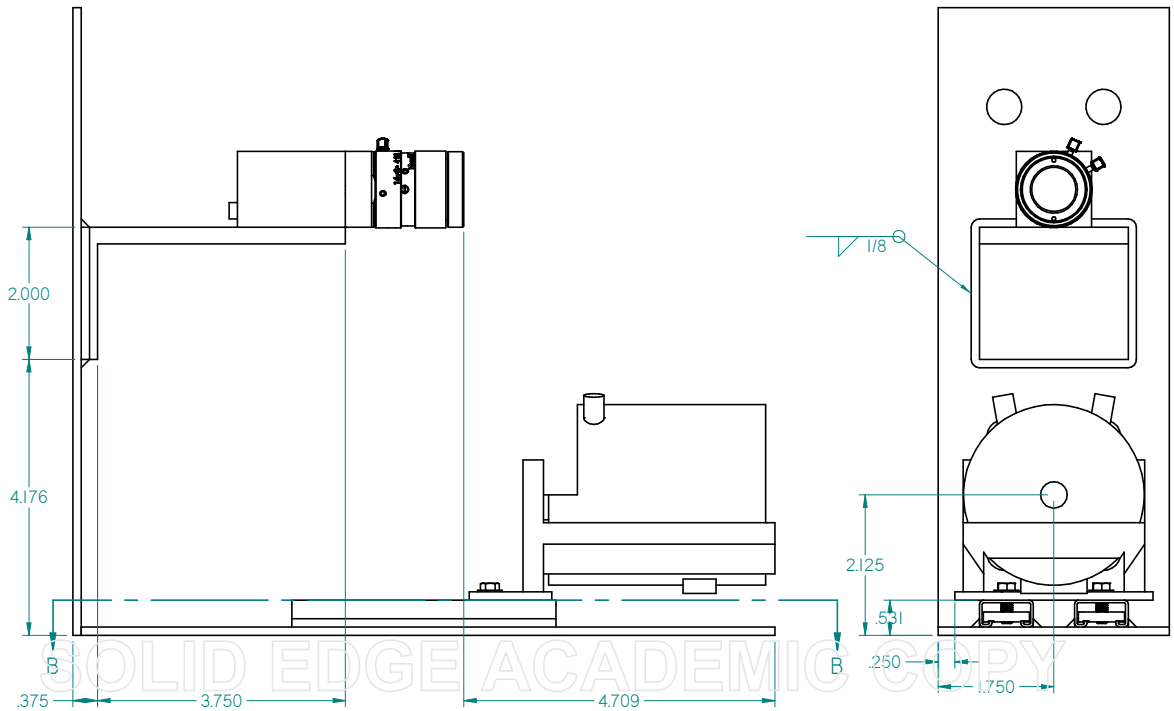
SOLID EDGE ACADEMIC COPY

NAME	DATE	ground truth.ag	
DRAWN BRS	05/09/22	TITLE	
CHECKED		IMAGER ASSEMBLY	
ENG APPR			
MGR APPR			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES ANGLES x°X"		SIZE DWG NO	REV
2 PL xXXX 3 PL xXXXX		D -	I
		FILE NAME: Imager Housing Assembled.dft	
		SCALE: 1:1	WEIGHT: SHEET 1 OF 4

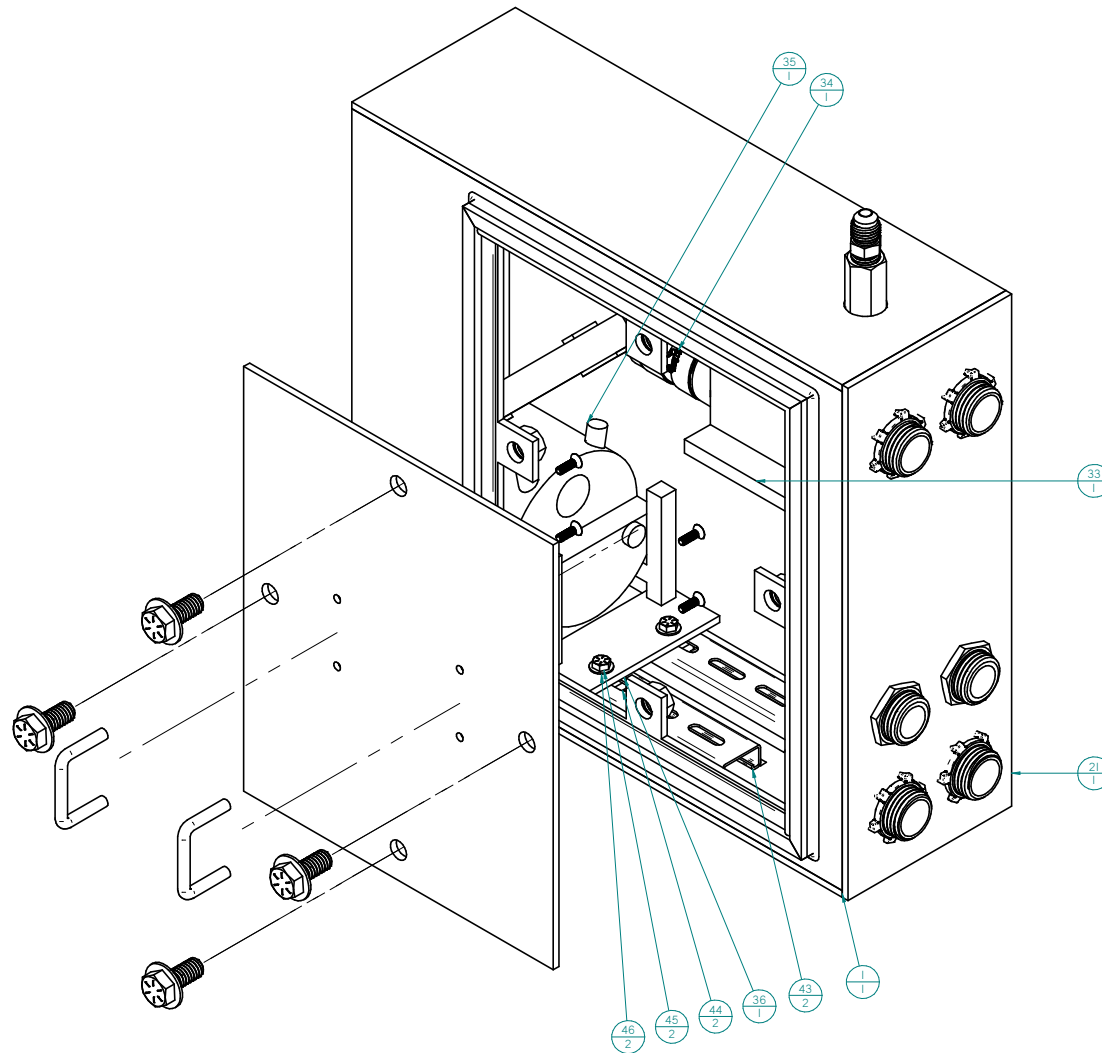
Item Number	Quantity	File Name (no extension)	Mass (Quantity)	Material
1	1	Imager Bottom Plate	0.450 lbm	Aluminum, 6061-T6
8	1	Sphere	1.758 lbm	Aluminum, 6061-T6
9	1	Imager Support Foot	0.169 lbm	Aluminum, 6061-T6
16	2	Extra Low-Profile Strut Channel	0.055 lbm	Aluminum, 6061-T6
17	2	Strut Channel Nut	0.008 lbm	Aluminum, 6061-T6
18	2	#8 x 0.5 Zinc Yellow-Chromate Plated Hex Head Screw	0.008 lbm	Stainless steel
19	2	#8 Stainless Steel Washer	0.001 lbm	Stainless steel
20	1	Imager Camera Mount	0.302 lbm	Aluminum, 6061-T6
21	1	Imager Back Wall	0.391 lbm	Aluminum, 6061-T6
22	1	Camera and lens	0.000 lbm	



SECTION B-B



NAME	DATE	ground truth.ag	
DRAWN: BRS	05/09/22	TITLE	IMAGER ASSEMBLY
CHECKED:		SCALE: 1:1	WEIGHT:
END APPR:		SIZE: D	REV: 1
MGR APPR:		FILE NAME: Imager Housing Assembled.dft	SHEET 3 OF 4
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES ANGLES: x°x' 2 PL: xXXX 3 PL: xXXXX			

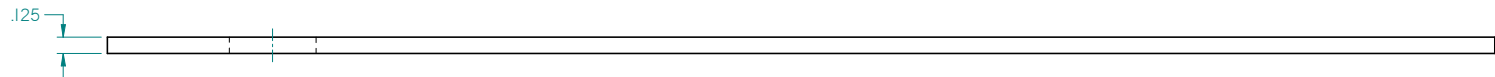
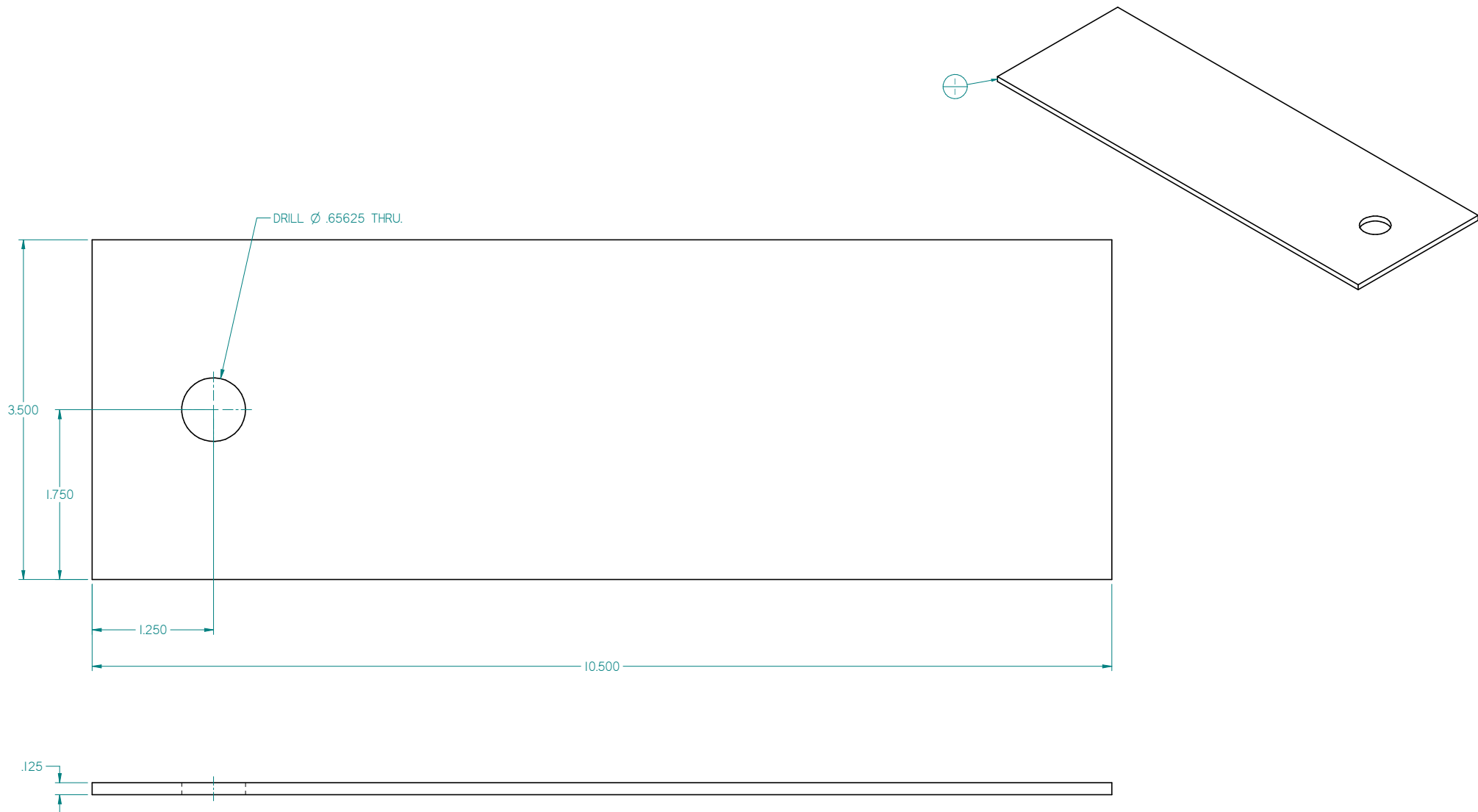


Item Number	Quantity	File Name (no extension)	Mass (Quantity)	Material
1	1	Imager Bottom Plate	0.450 lbm	Aluminum, 6061-T6
8	1	Sphere	1.758 lbm	Aluminum, 6061-T6
9	1	Imager Support Foot	0.169 lbm	Aluminum, 6061-T6
16	2	Extra Low-Profile Strut Channel	0.055 lbm	Aluminum, 6061-T6
17	2	Strut Channel Nut	0.008 lbm	Aluminum, 6061-T6
18	2	#8 x 0.5 Zinc Yellow-Chromate Plated Hex Head Screw	0.008 lbm	Stainless steel
19	2	#8 Stainless Steel Washer	0.001 lbm	Stainless steel
20	1	Imager Camera Mount	0.302 lbm	Aluminum, 6061-T6
21	1	Imager Back Wall	0.391 lbm	Aluminum, 6061-T6
22	1	Camera and lens	0.000 lbm	
23*	1	Imager Hatch Side Plate	0.000 lbm	Aluminum
24*	1	Imager Side Plate	1.201 lbm	Aluminum, 6061-T6
25*	1	Imager Top Plate	0.446 lbm	Aluminum, 6061-T6
26*	1	Imager Hatch	0.633 lbm	Aluminum, 6061-T6
27*	2	Light Bar	0.134 lbm	Polycarbonate
28*	1	0.4375 Zinc-Plated Steel Coupling Nut	0.018 lbm	Aluminum, 6061-T6
29*	1	0.4375 45 Degree Flared Fitting for Copper and Brass Tubing	0.034 lbm	Brass, yellow brass
30*	4	0.5 Aluminum Submersible Cord Grip	0.325 lbm	Aluminum, 6061-T6
31*	2	3 Hole Multi-Cord Grip	0.076 lbm	ABS Plastic, medium impact
32*	4	0.3125 Medium-Strength Steel Hex Nut	0.046 lbm	Steel
33*	2	6.75 in Long Rubber Seal 0.1875 thk	0.016 lbm	Silicone
34*	2	8 in Long Rubber Seal 0.1875 thk	0.019 lbm	Silicone
35*	4	0.3125 316 Stainless Steel Washer	0.017 lbm	Stainless steel
36*	4	0.3125 x 0.75 High-Strength Grade 8 Steel Hex Head Screw	0.101 lbm	Steel
37*	2	Threaded-Hole Round Pull Handle	0.015 lbm	Aluminum, 6061-T6
38*	4	M3 x 10mm 18-8 Stainless Steel Hex Drive Flat Head Screw	0.005 lbm	Stainless steel

SOLID EDGE ACADEMIC COPY

NAME	DATE	ground truth.ag	
DRAWN BRS	05/09/22	TITLE	IMAGER ASSEMBLY
CHECKED		SIZE	D
ENG APPR		SCALE	1:1
MGR APPR		WEIGHT	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES ANGLES x°X° 2 PL xXXX 3 PL xXXXX			
FILE NAME: Imager Housing Assembled.dft		SHEET 4 OF 4	

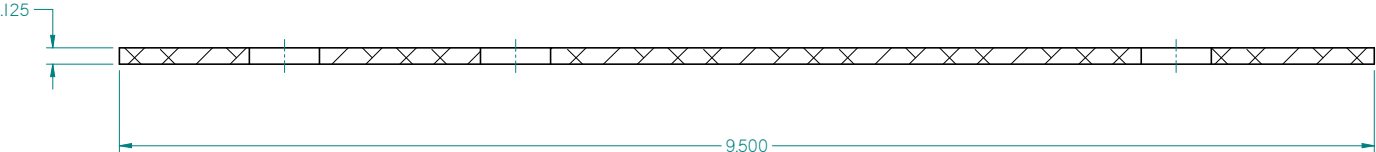
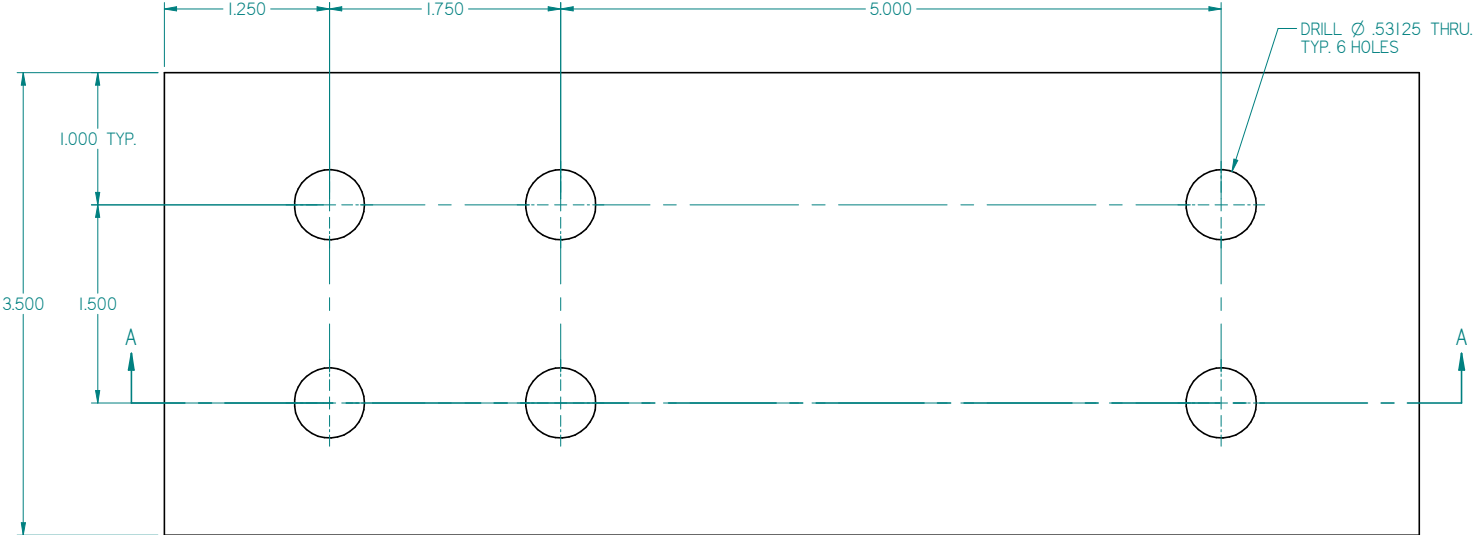
Item Number	Quantity	File Name (no extension)	Mass (lbm)	Material
1	1	Imager Top Plate	0.446 lbm	Aluminum, 6061-T6



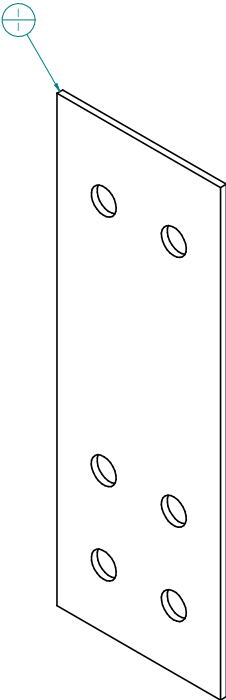
SOLID EDGE ACADEMIC COPY

			ground truth.ag	
DRAWN	BRS	05/09/22	TITLE IMAGER TOP PLATE	
CHECKED				
END APPR				
MGR APPR				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES ANGLES x°x'x"			SIZE D	REV 1
			FILE NAME: Imager Top Plate.dft	
			SCALE: 2:1	WEIGHT: SHEET 1 OF 1

Item Number	Quantity	File Name (no extension)	Mass (lbm)	Material
I	I	Imager Back Wall	0.391 lbm	Aluminum, 6061-T6



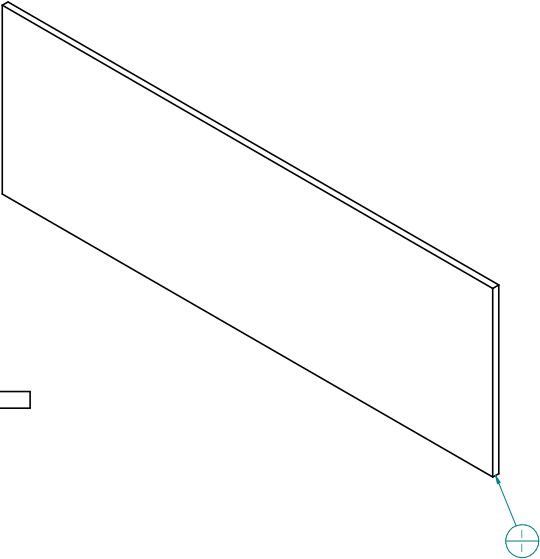
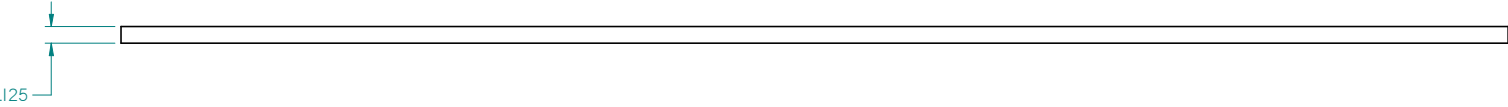
SECTION A-A



SOLID EDGE ACADEMIC COPY

NAME	DATE	ground truth.ag	
DRAWN BRS	05/09/22	TITLE	
CHECKED		IMAGER BACK WALL	
ENG APPR			
MGR APPR			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES ANGLES x°x'		SIZE DWG NO	REV
2 PL xXXX 3 PL xXXXX		D -	I
FILE NAME: Imager Back Wall.dft		SCALE 2:1	WEIGHT
		SHEET 1 OF 1	

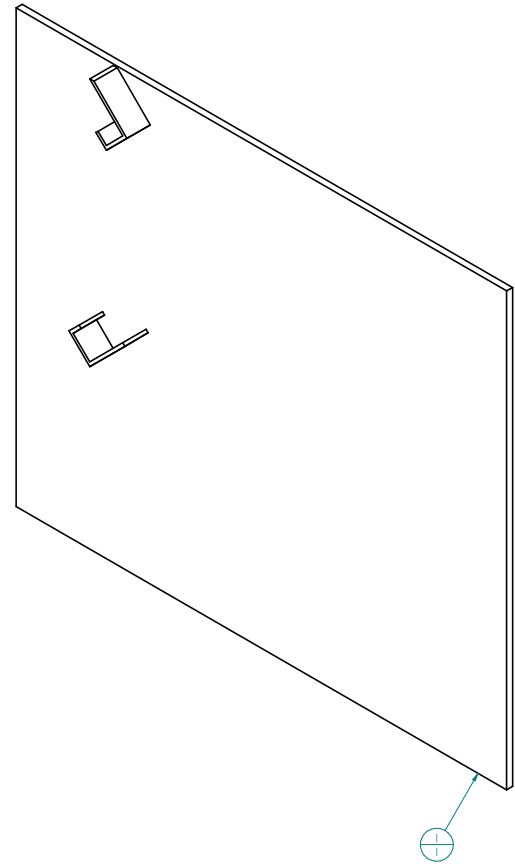
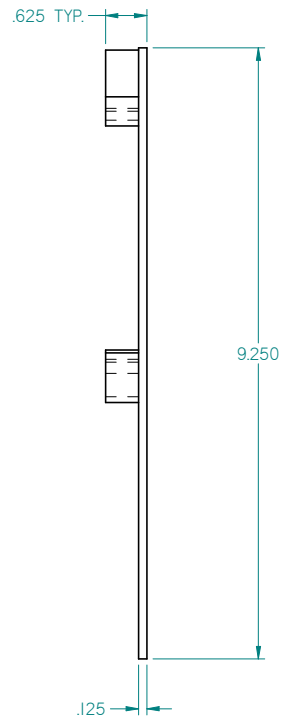
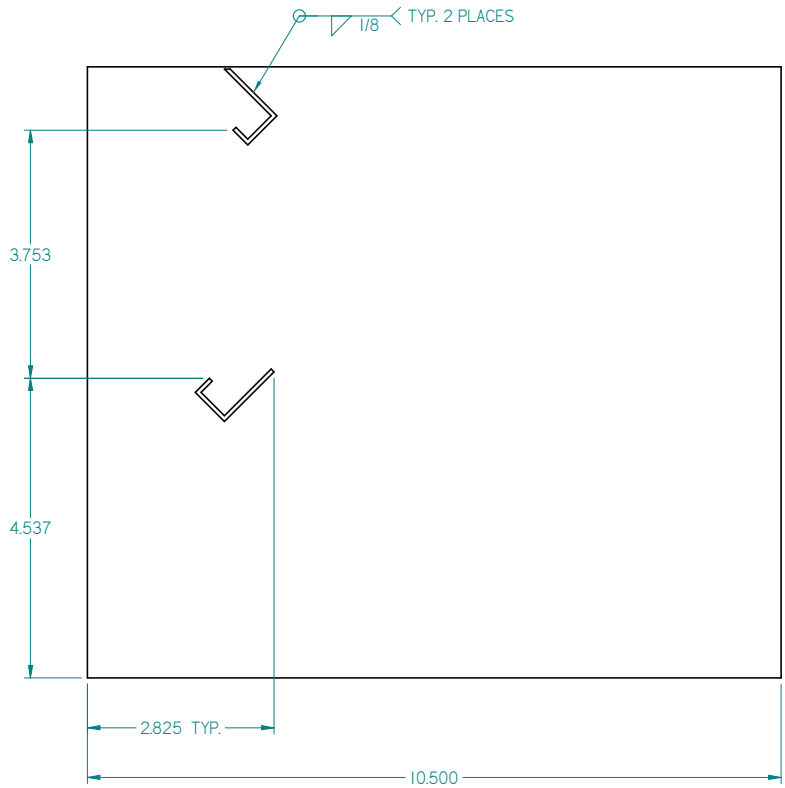
Item Number	Quantity	File Name (no extension)	Mass (Item)	Material
I	I	Imager Bottom Plate	0.450 lbr	Aluminum, 6061-T6



SOLID EDGE ACADEMIC COPY

			ground truth.ag	
DRAWN	BRS	05/09/22	TITLE IMAGER BOTTOM PLATE	
CHECKED				
ENG APPR				
MGR APPR				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES ANGLES ±XX° 2 PL ±XXX 3 PL ±XXXX			SIZE D	REV I
			FILE NAME: Imager Bottom Plate.dft	
			SCALE: 2:1	WEIGHT:
			SHEET 1 OF 1	

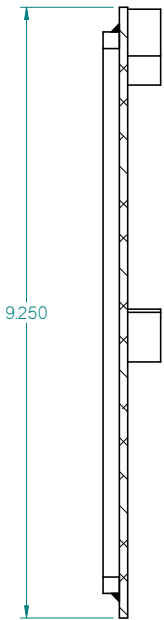
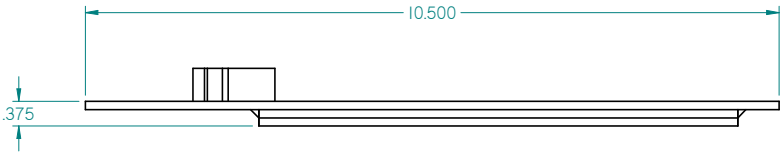
Item Number	Quantity	File Name (no extension)	Mass (lbm)	Material
I	I	Imager Side Plate	1.201 lbm	Aluminum, 6061-T6



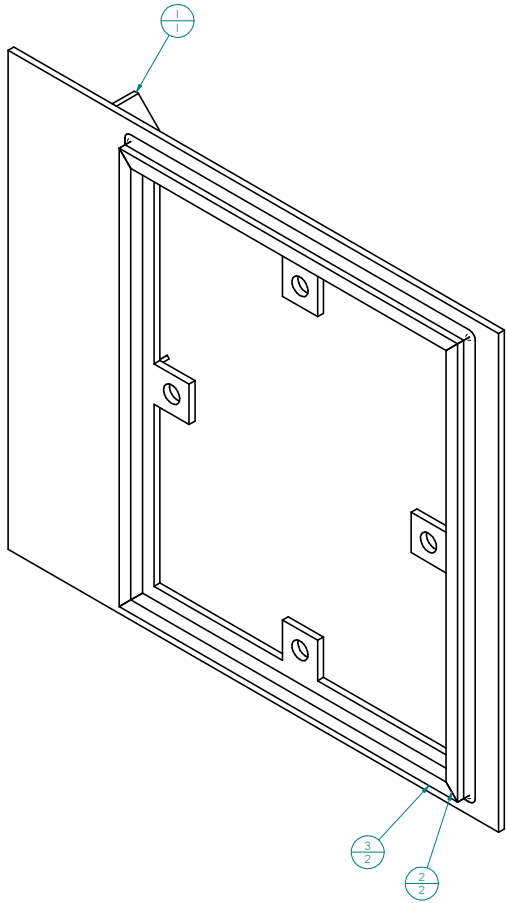
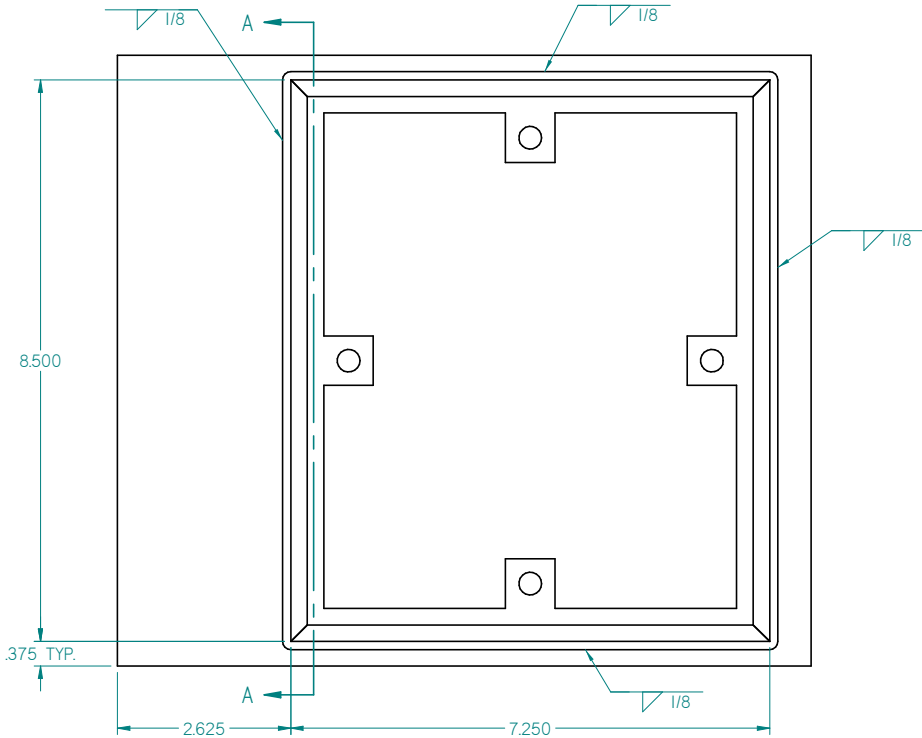
SOLID EDGE ACADEMIC COPY

NAME	DATE	ground truth.ag	
DRAWN: BRS	05/09/22	TITLE: IMAGER SIDE PLATE	
CHECKED:		REV: I	
ENG APPR:		FILE NAME: Imager Side Plate.dft	
MGR APPR:		SCALE: 1:1	WEIGHT: SHEET 1 OF 1
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES ANGLES ±XX° 2 PL ±XXX 3 PL ±XXXX		SIZE: D	

Item Number	Quantity	File Name (no extension)	Mass (Quantity)	Material
1	1	Imager Side Plate with Hatch	0.649 lbm	Aluminum, 6061-T6
2	2	Imager Flat Bar Side	0.101 lbm	Aluminum, 6061-T6
3	2	Imager Flat Bar Top	0.086 lbm	Aluminum, 6061-T6



SECTION A-A

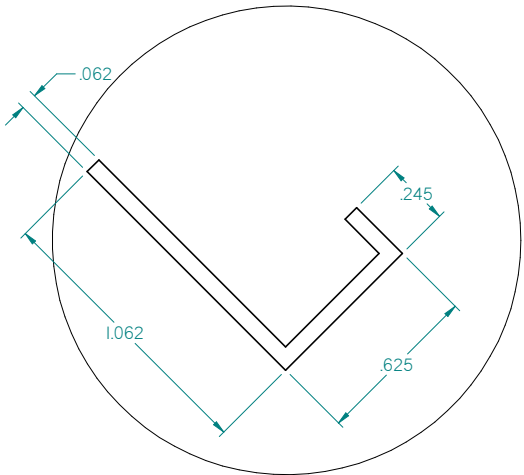
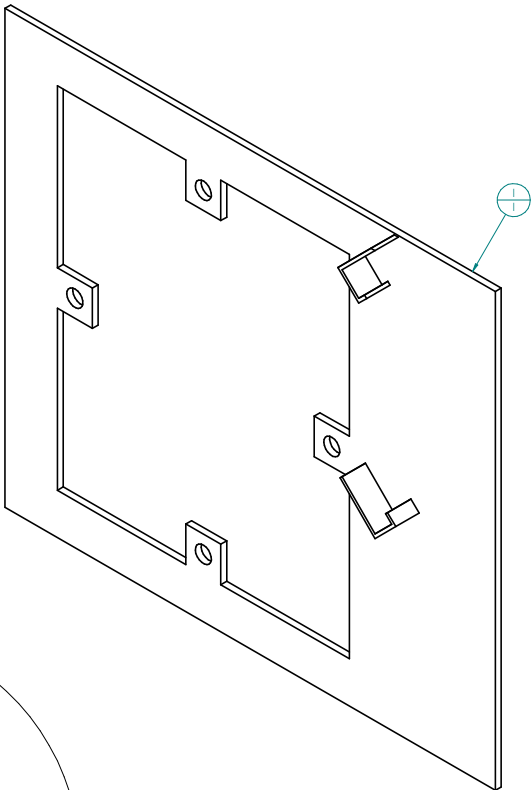
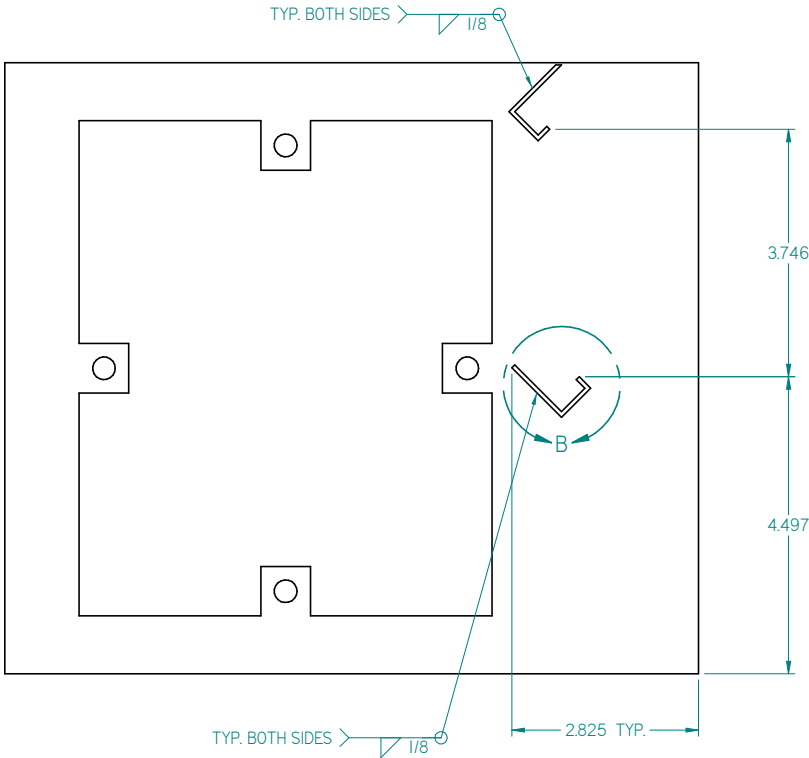
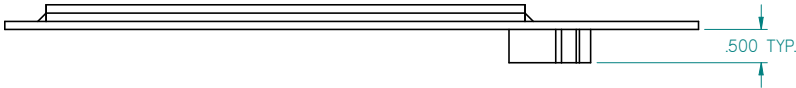


SOLID EDGE ACADEMIC COPY

NOTE: THE FRONT SIDE THE LEFT SIDE PANEL

NAME	DATE	ground truth.ag	
DRAWN BRS	05/09/22	TITLE	
CHECKED		IMAGER HATCH PANEL	
ENG APPR		SIZE DWG NO	
MGR APPR		D -	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES ANGLES x°X'		FILE NAME	REV
2 PL xXXX 3 PL xXXX		Imager Hatch Side Plate.dft	I
SCALE 1:1		WEIGHT	SHEET 1 OF 2

Item Number	Quantity	File Name (no extension)	Mass (Quantity)	Material
1	1	Imager Side Plate with Hatch	0.649 lbm	Aluminum, 6061-T6
2	2	Imager Flat Bar Side	0.101 lbm	Aluminum, 6061-T6
3	2	Imager Flat Bar Top	0.086 lbm	Aluminum, 6061-T6



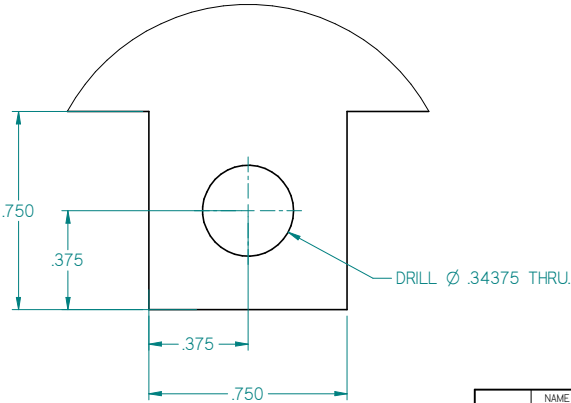
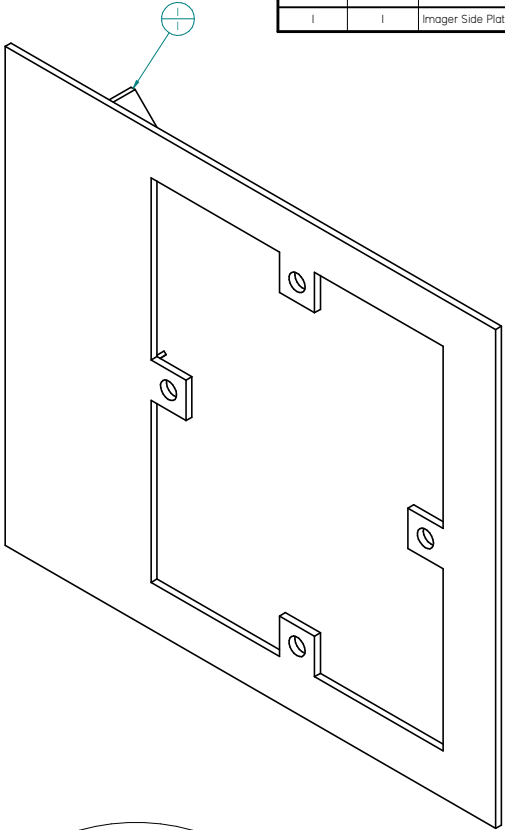
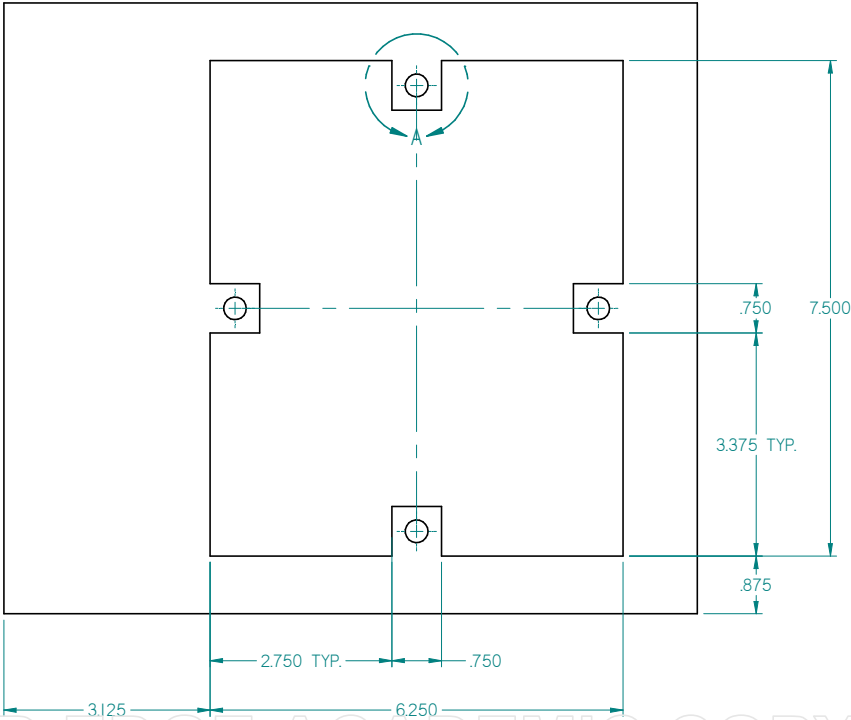
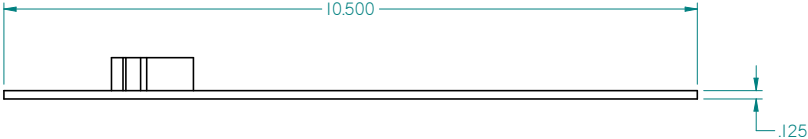
DETAIL B
TYP. 2 PLACES

NOTE: THE BACK SIDE THE LEFT SIDE PANEL

SOLID EDGE ACADEMIC COPY

			ground truth.ag	
DRAWN	BRS	05/09/22	TITLE	
CHECKED			IMAGER HATCH PANEL	
END APPR				
MGR APPR				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES ANGLES xX°			SIZE D	REV I
2 PL xXXX 3 PL xXXX			FILE NAME Imager Hatch Side Plate.dft	
SCALE 1:1			WEIGHT	SHEET 2 OF 2

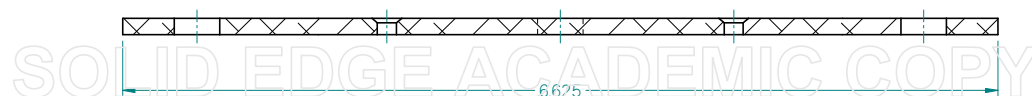
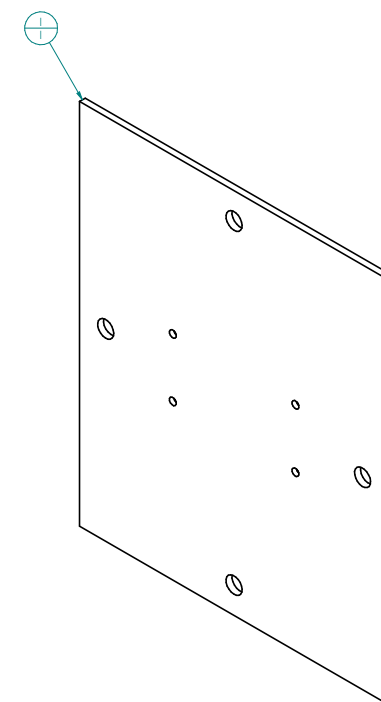
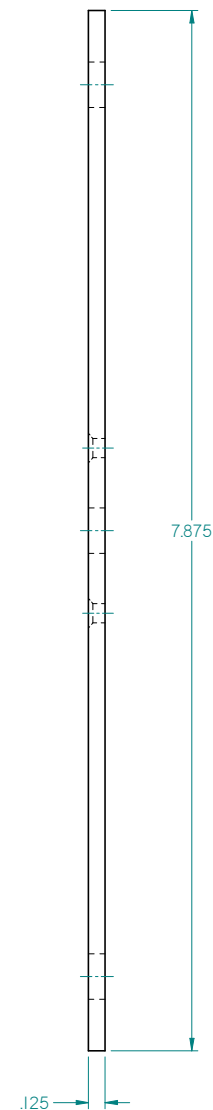
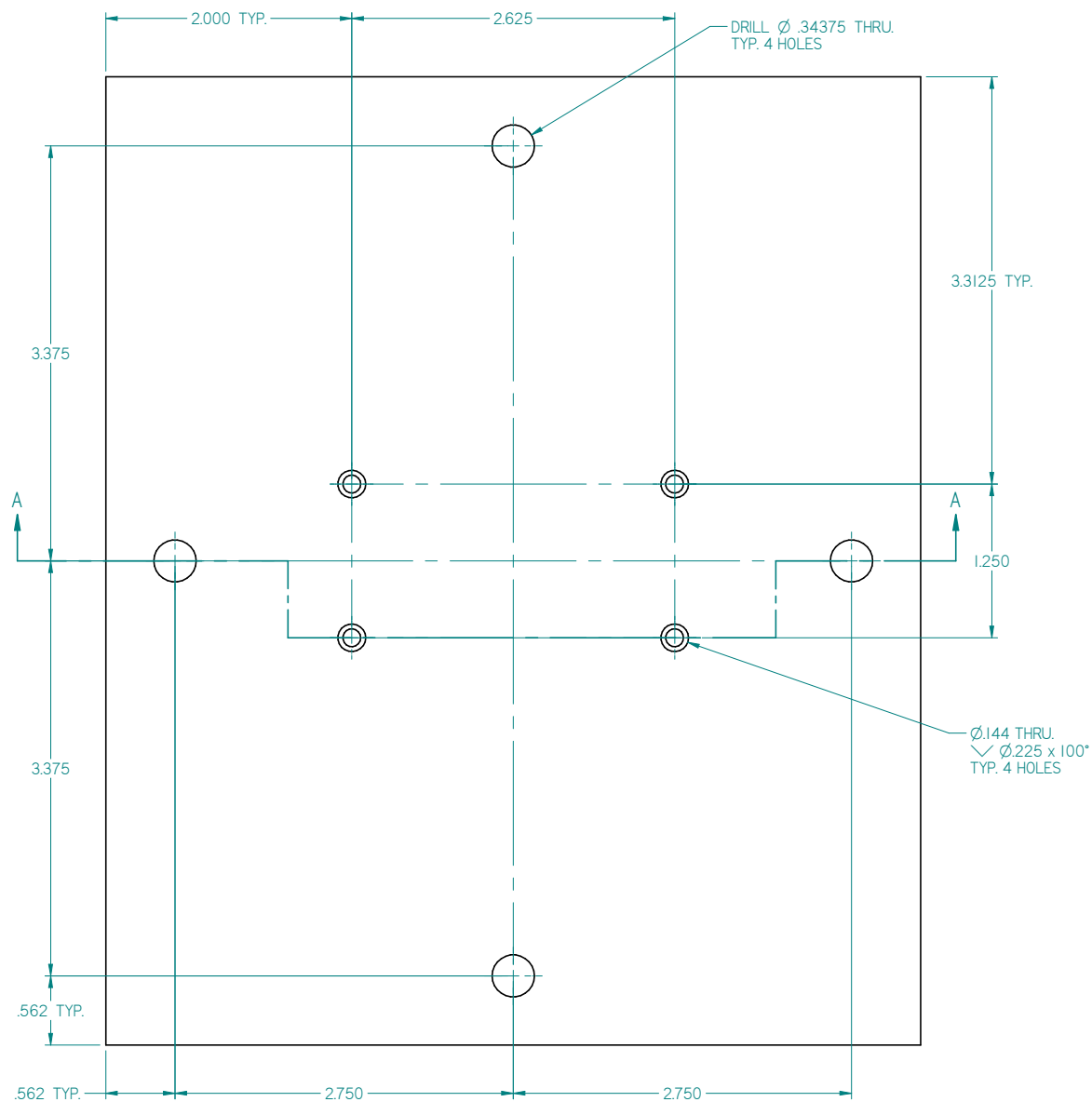
Item Number	Quantity	File Name (no extension)	Mass (Item)	Material
I	I	Imager Side Plate with Hatch	0.649 lbm	Aluminum, 6061-T6



SOLID EDGE ACADEMIC COPY

NAME	DATE	ground truth.ag	
DRAWN BRS	05/09/22	TITLE	
CHECKED		IMAGER SIDE PLATE	
END APPR		SIZE DWG NO	
MGR APPR		D	-
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES ANGLES xX°		FILE NAME	Imager Side Plate with Hatch
2 PL xXXX 3 PL xXXXX		SCALE	1:1
		WEIGHT	
		SHEET	1 OF 1

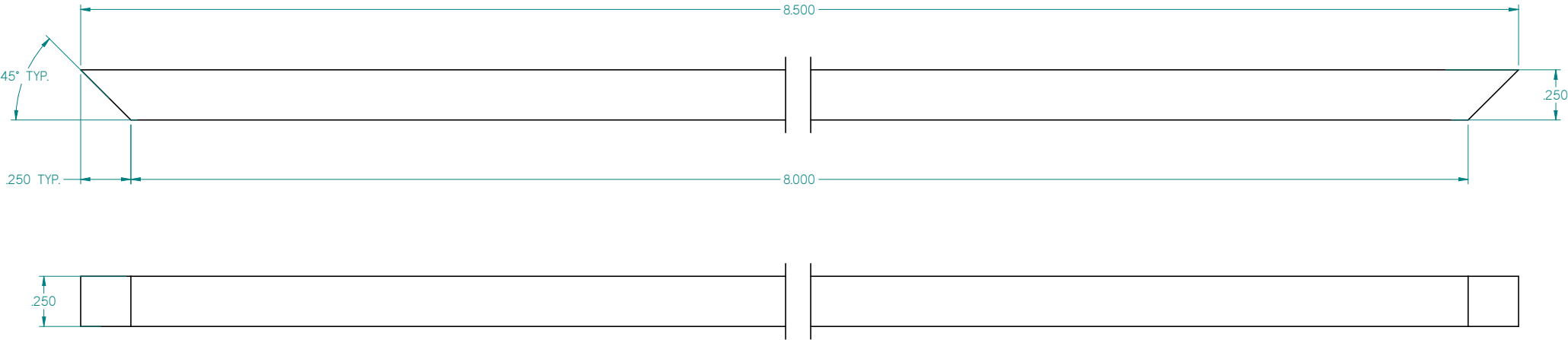
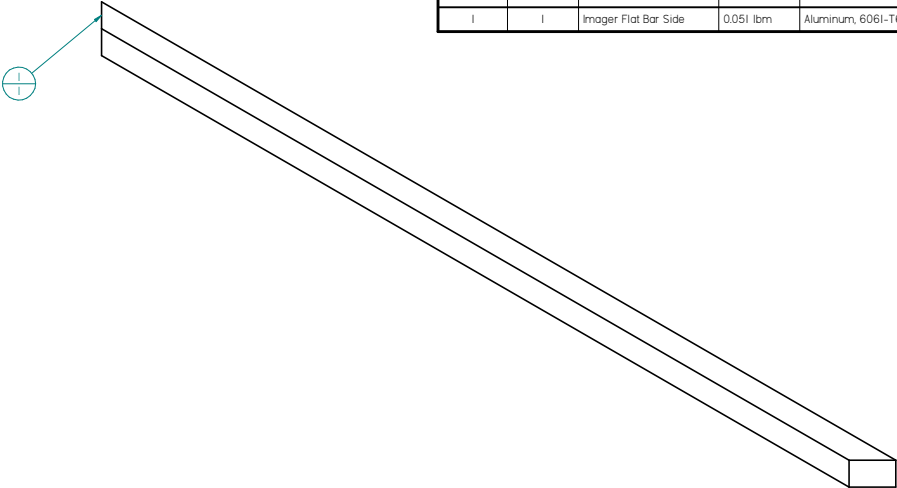
Item Number	Quantity	File Name (no extension)	Mass (Item)	Material
I	I	Imager Hatch	0.633 lbm	Aluminum, 6061-T6



SECTION A-A

NAME	DATE	ground truth.ag	
DRAWN: BRS	05/09/22	TITLE: IMAGER HATCH PANEL	
CHECKED:		FILE NAME: Imager Hatch.dwg	
END APPR:		SCALE: 2:1	
MGR APPR:		WEIGHT: SHEET 1 OF 1	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES ANGLES: XX°		SIZE: D	REV: I
2 PL: XXXX 3 PL: XXXX			

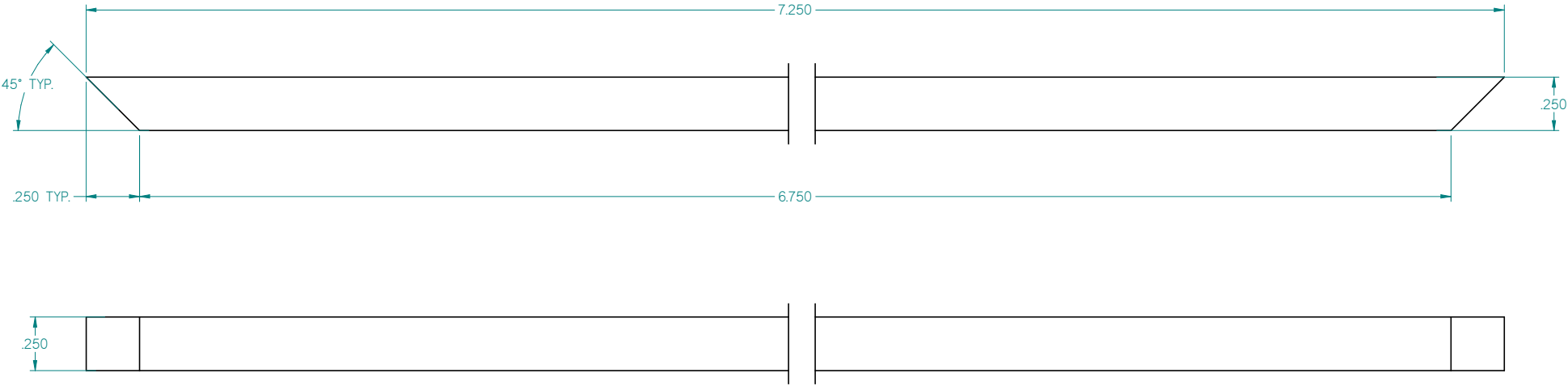
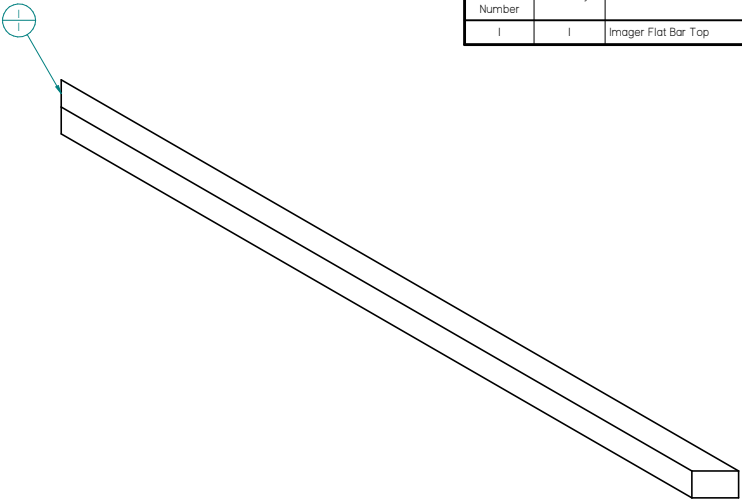
Item Number	Quantity	File Name (no extension)	Mass (Item)	Material
I	I	Imager Flat Bar Side	0.051 lbm	Aluminum, 6061-T6



SOLID EDGE ACADEMIC COPY

NAME	DATE	ground truth.ag	
DRAWN: BRS	05/09/22	TITLE: IMAGER SIDE FLAT BAR	
CHECKED:		SIZE: D	
ENG APPR:		SCALE: 4:1	
MGR APPR:		WEIGHT:	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES ANGLES ±XX°		FILE NAME: Imager Flat Bar Side.dft	REV: I
2 PL ±XXX.3 PL ±XXXX		SHEET 1 OF 1	

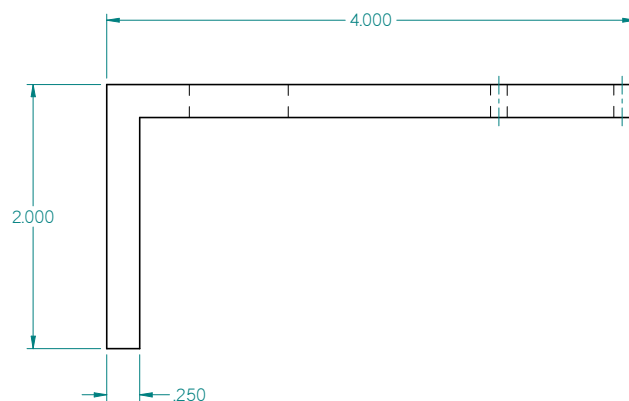
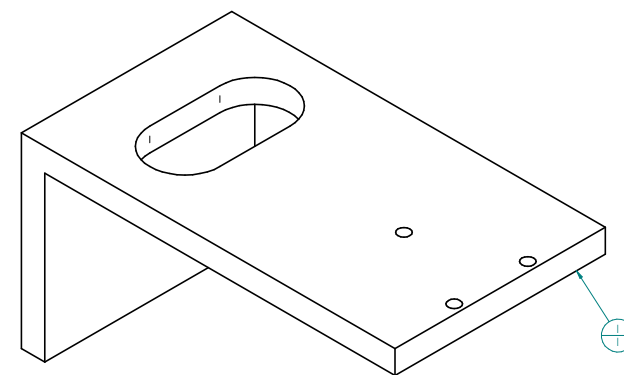
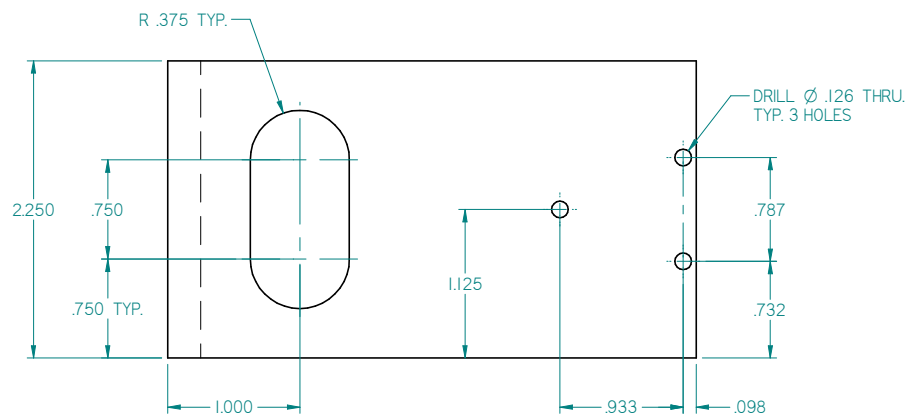
Item Number	Quantity	File Name (no extension)	Mass (Item)	Material
I	1	Imager Flat Bar Top	0.043 lbr	Aluminum, 6061-T6



SOLID EDGE ACADEMIC COPY

NAME	DATE	ground truth.ag	
DRAWN BRS	05/09/22	TITLE	
CHECKED		IMAGER FLAT BAR TOP	
ENG APPR		SIZE DWG NO	
MGR APPR		D -	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES ANGLES xXX°		FILE NAME	REV
2 PL xXXX 3 PL xXXX		Imager Flat Bar Top.dft	I
SCALE 4:1		WEIGHT	SHEET 1 OF 1

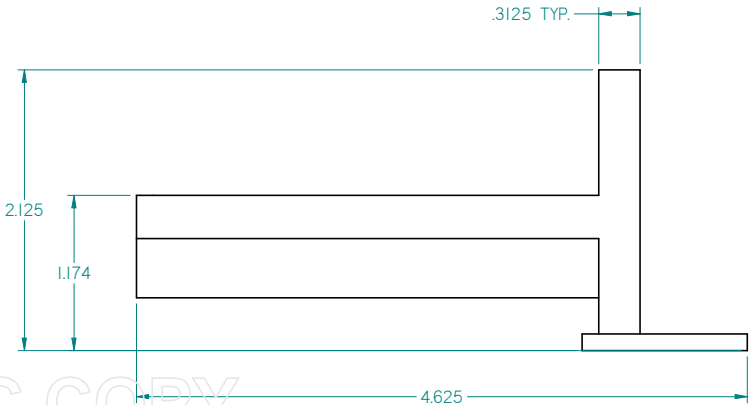
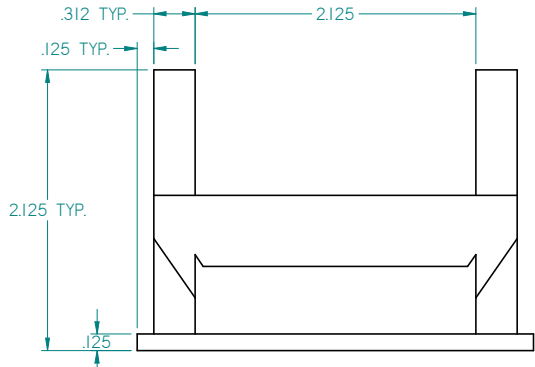
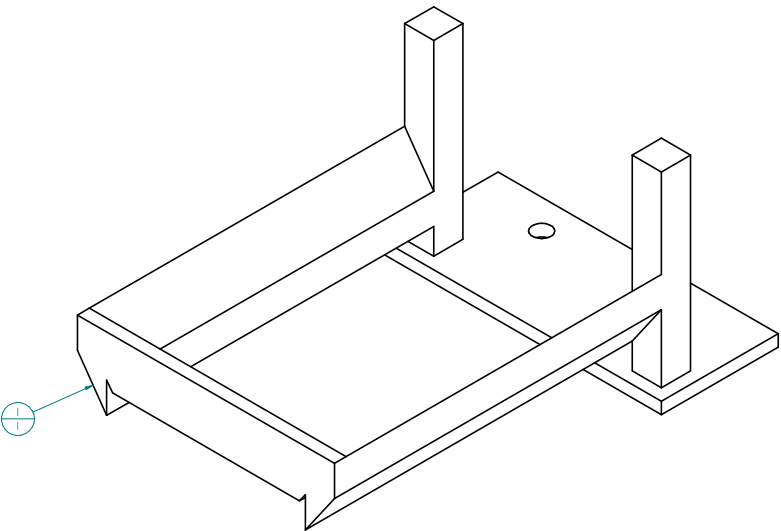
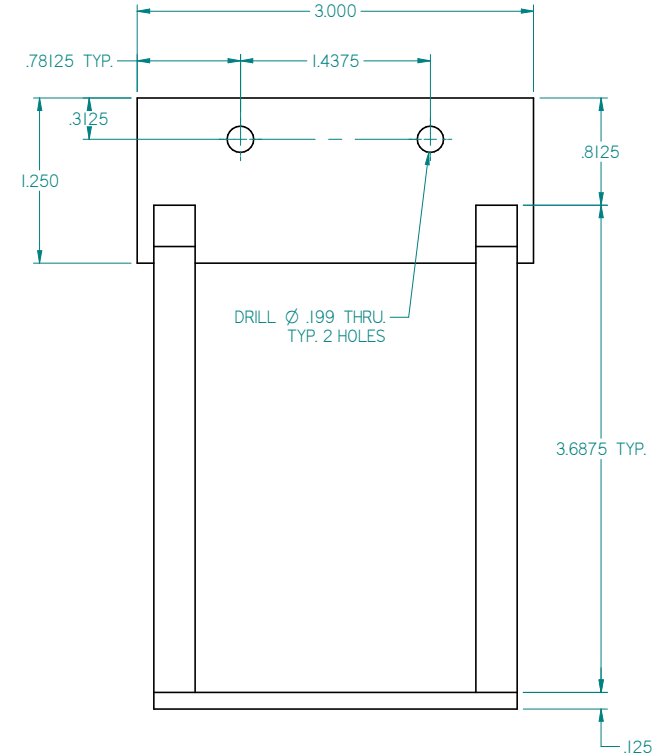
Item Number	Quantity	File Name (no extension)	Mass (lbm)	Material
1	1	Imager Camera Mount	0.229 lbm	Aluminum, 6061-T6



SOLID EDGE ACADEMIC COPY

NAME	DATE	ground truth.ag	
DRAWN: BRS	05/09/22	TITLE	IMAGER CAMERA MOUNT
CHECKED:		SIZE	D
END APPR:		FILE NAME	Imager Camera Mount.dft
MGR APPR:		SCALE	2:1
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES ANGLES x°x'		WEIGHT	
2 PL xXXX 3 PL xXXX		SHEET	1 OF 1

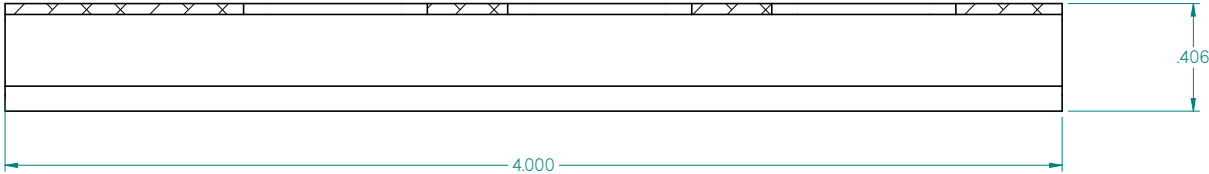
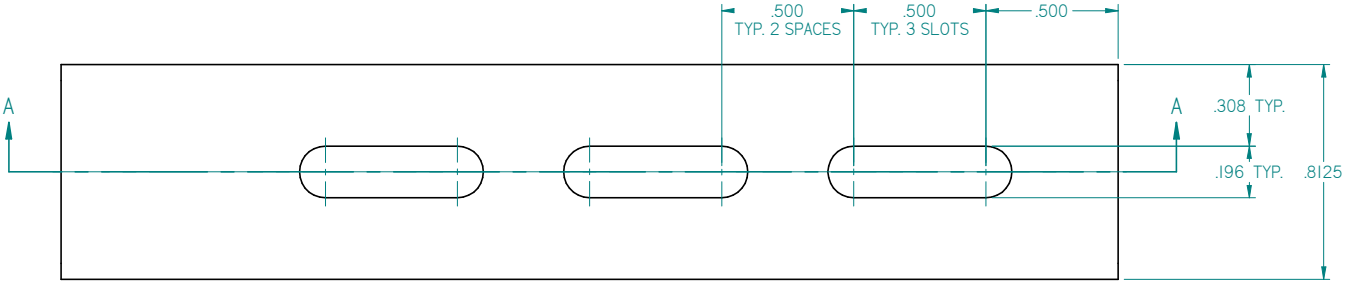
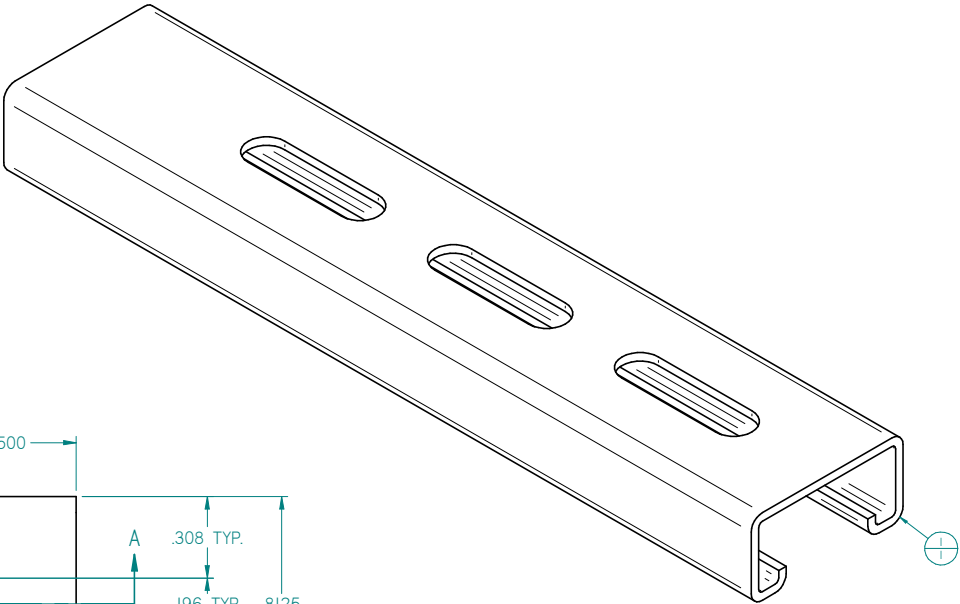
Item Number	Quantity	File Name (no extension)	Mass (lbm)	Material
I	I	Imager Support Foot	0.169 lbm	Aluminum, 6061-T6



SOLID EDGE ACADEMIC COPY

NAME	DATE	ground truth.ag	
DRAWN BRS	05/09/22	TITLE	IMAGER SUPPORT FOOT
CHECKED		SIZE	D
END APPR		FILE NAME	Imager Support Foot.dft
MGR APPR		SCALE	2:1
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES ANGLES °XX'		WEIGHT	
2 PL. XXXX 3 PL. XXXX		SHEET	1 OF 1

Item Number	Quantity	File Name (no extension)	Mass Item	Material
I	I	Extra Low-Profile Strut Channel	0.027 lbm	Aluminum, 6061-T6



SECTION A-A

SOLID EDGE ACADEMIC COPY

NAME	DATE	ground truth.ag	
DRAWN: BRS	05/09/22	TITLE	IMAGER STRUT SUPPORT
CHECKED:		SIZE	D
ENG APPR:		FILE NAME	Extra Low-Profile Strut Channel.dft
MGR APPR:		SCALE	4:1
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES ANGLES xX°		WEIGHT	
2 PL xXXX 3 PL xXXX		SHEET	1 OF 1