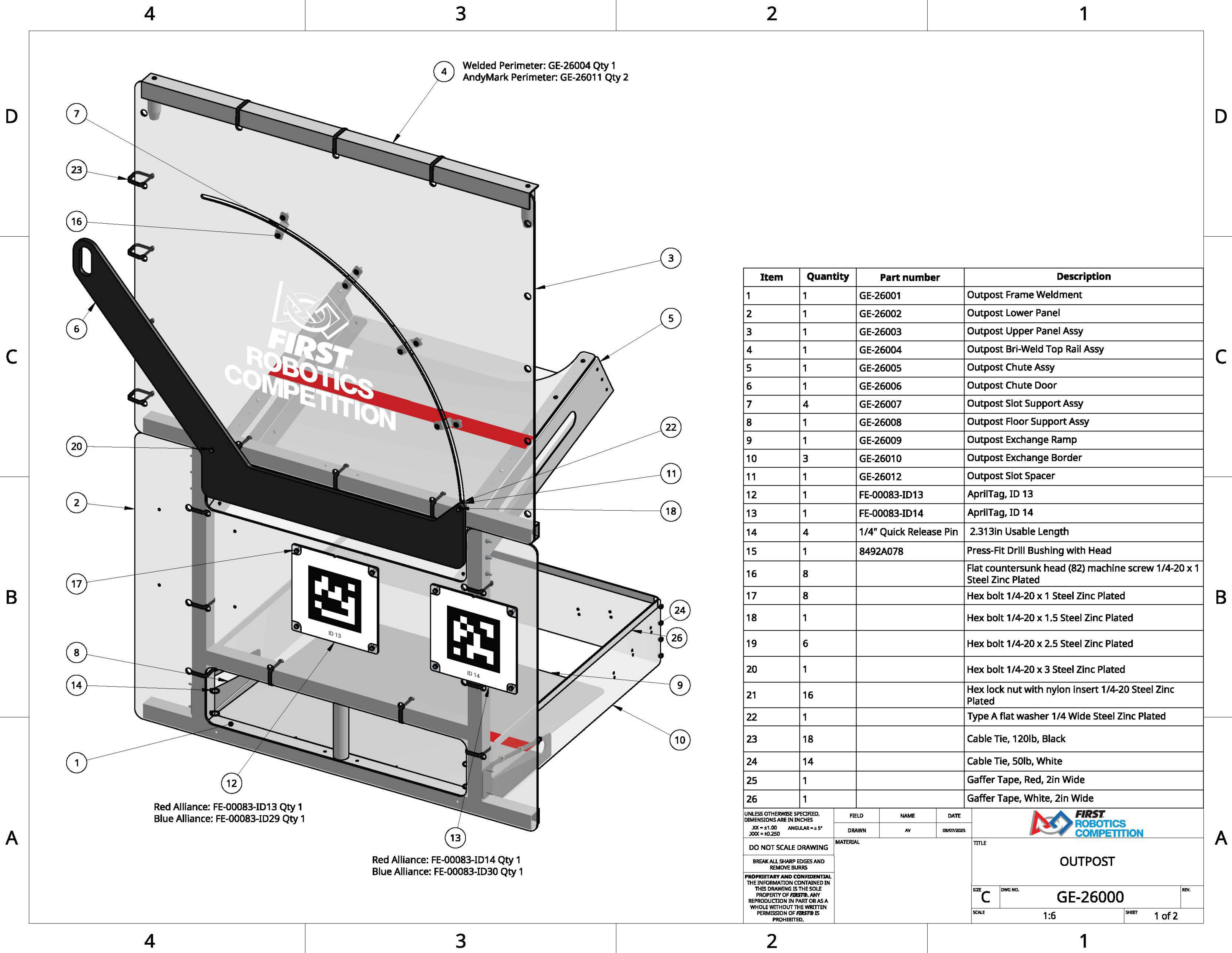




4 Welded Perimeter: GE-26004 Qty 1
AndyMark Perimeter: GE-26011 Qty 2

Red Alliance: FE-00083-ID13 Qty 1
Blue Alliance: FE-00083-ID29 Qty 1

Red Alliance: FE-00083-ID14 Qty 1
Blue Alliance: FE-00083-ID30 Qty 1

Item	Quantity	Part number	Description
1	1	GE-26001	Outpost Frame Weldment
2	1	GE-26002	Outpost Lower Panel
3	1	GE-26003	Outpost Upper Panel Assy
4	1	GE-26004	Outpost Bri-Weld Top Rail Assy
5	1	GE-26005	Outpost Chute Assy
6	1	GE-26006	Outpost Chute Door
7	4	GE-26007	Outpost Slot Support Assy
8	1	GE-26008	Outpost Floor Support Assy
9	1	GE-26009	Outpost Exchange Ramp
10	3	GE-26010	Outpost Exchange Border
11	1	GE-26012	Outpost Slot Spacer
12	1	FE-00083-ID13	AprilTag, ID 13
13	1	FE-00083-ID14	AprilTag, ID 14
14	4	1/4" Quick Release Pin	2.313in Usable Length
15	1	8492A078	Press-Fit Drill Bushing with Head
16	8		Flat countersunk head (82) machine screw 1/4-20 x 1 Steel Zinc Plated
17	8		Hex bolt 1/4-20 x 1 Steel Zinc Plated
18	1		Hex bolt 1/4-20 x 1.5 Steel Zinc Plated
19	6		Hex bolt 1/4-20 x 2.5 Steel Zinc Plated
20	1		Hex bolt 1/4-20 x 3 Steel Zinc Plated
21	16		Hex lock nut with nylon insert 1/4-20 Steel Zinc Plated
22	1		Type A flat washer 1/4 Wide Steel Zinc Plated
23	18		Cable Tie, 120lb, Black
24	14		Cable Tie, 50lb, White
25	1		Gaffer Tape, Red, 2in Wide
26	1		Gaffer Tape, White, 2in Wide

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES
XX = ±1.00 ANGULAR = ±5°
XXX = ±0.250

DO NOT SCALE DRAWING

BREAK ALL SHARP EDGES AND
REMOVE BURRS

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PROHIBITED.

FIELD	NAME	DATE
DRAWN	AV	08/07/2025

MATERIAL

TITLE
OUTPOST

SIZE **C** DWG NO. **GE-26000** REV.

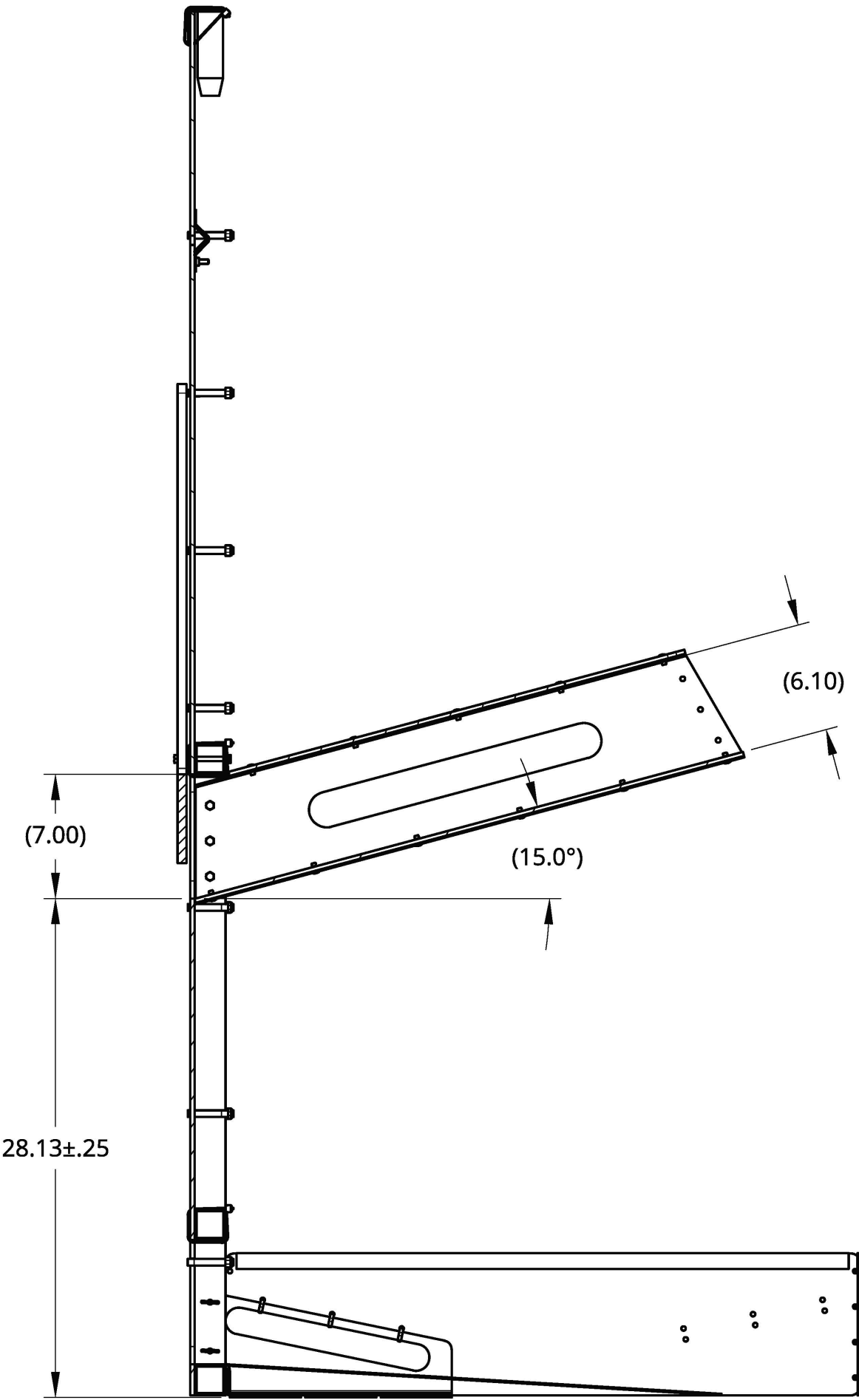
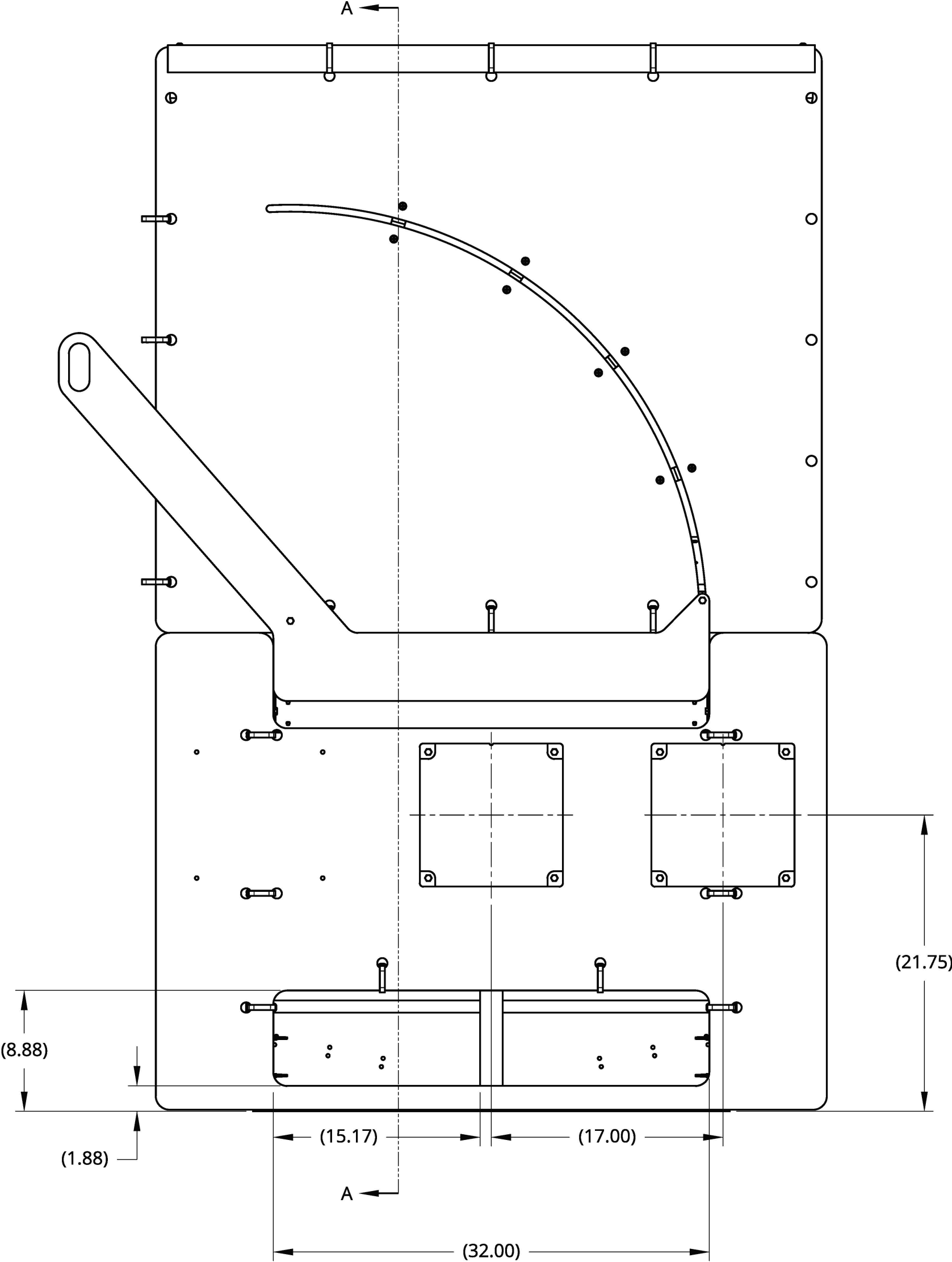
SCALE 1:6 SHEET 1 of 2

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SECTION A - A

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±1.00 ANGULAR = ± 5° .XXX = ±0.250	FIELD	NAME	DATE		
	DRAWN	AV	08/07/2025		
	MATERIAL			TITLE	
DO NOT SCALE DRAWING				OUTPOST	
BREAK ALL SHARP EDGES AND REMOVE BURRS				SIZE C	DWG NO. GE-26000
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SCALE 1:8	REV. 2 of 2

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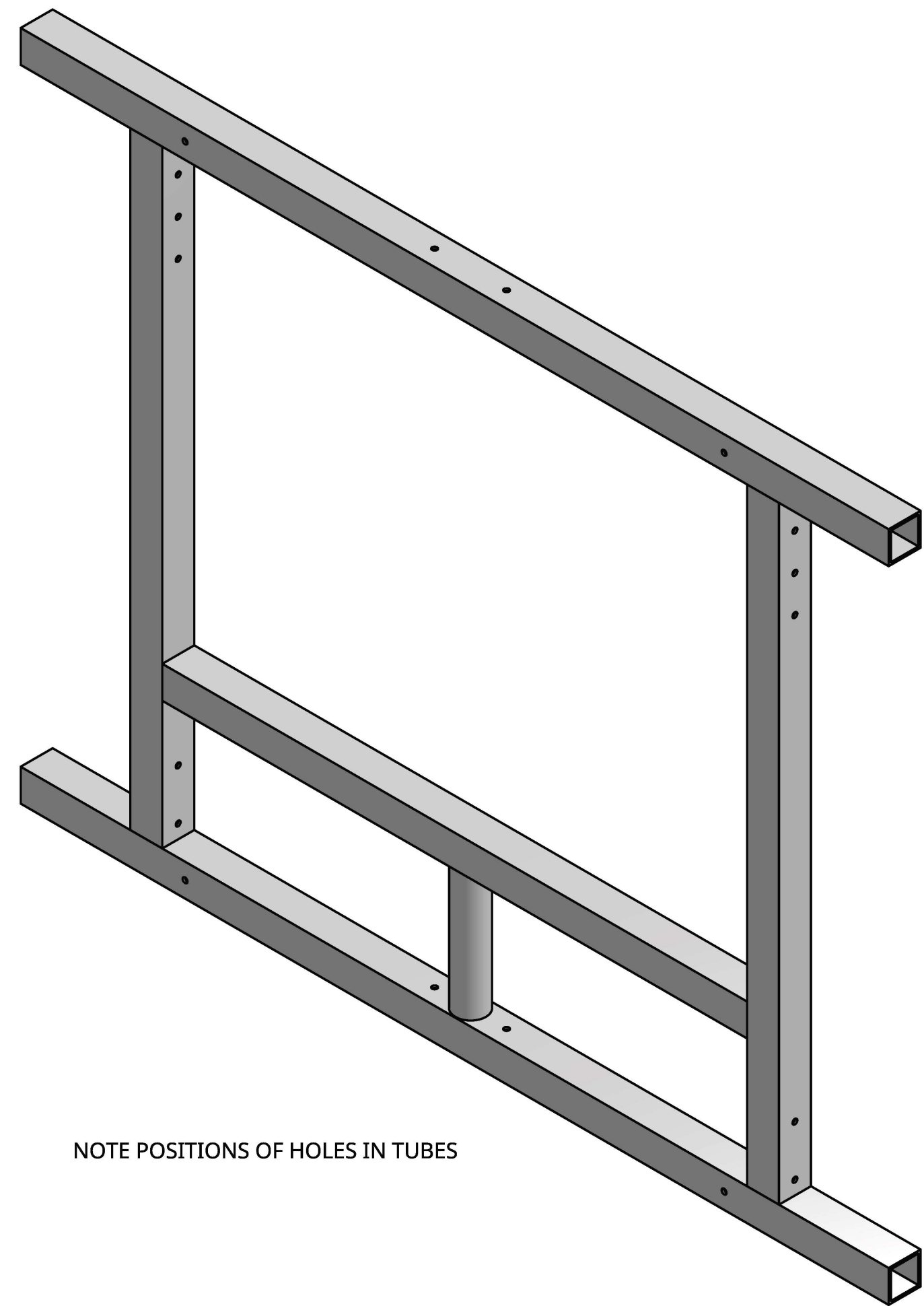
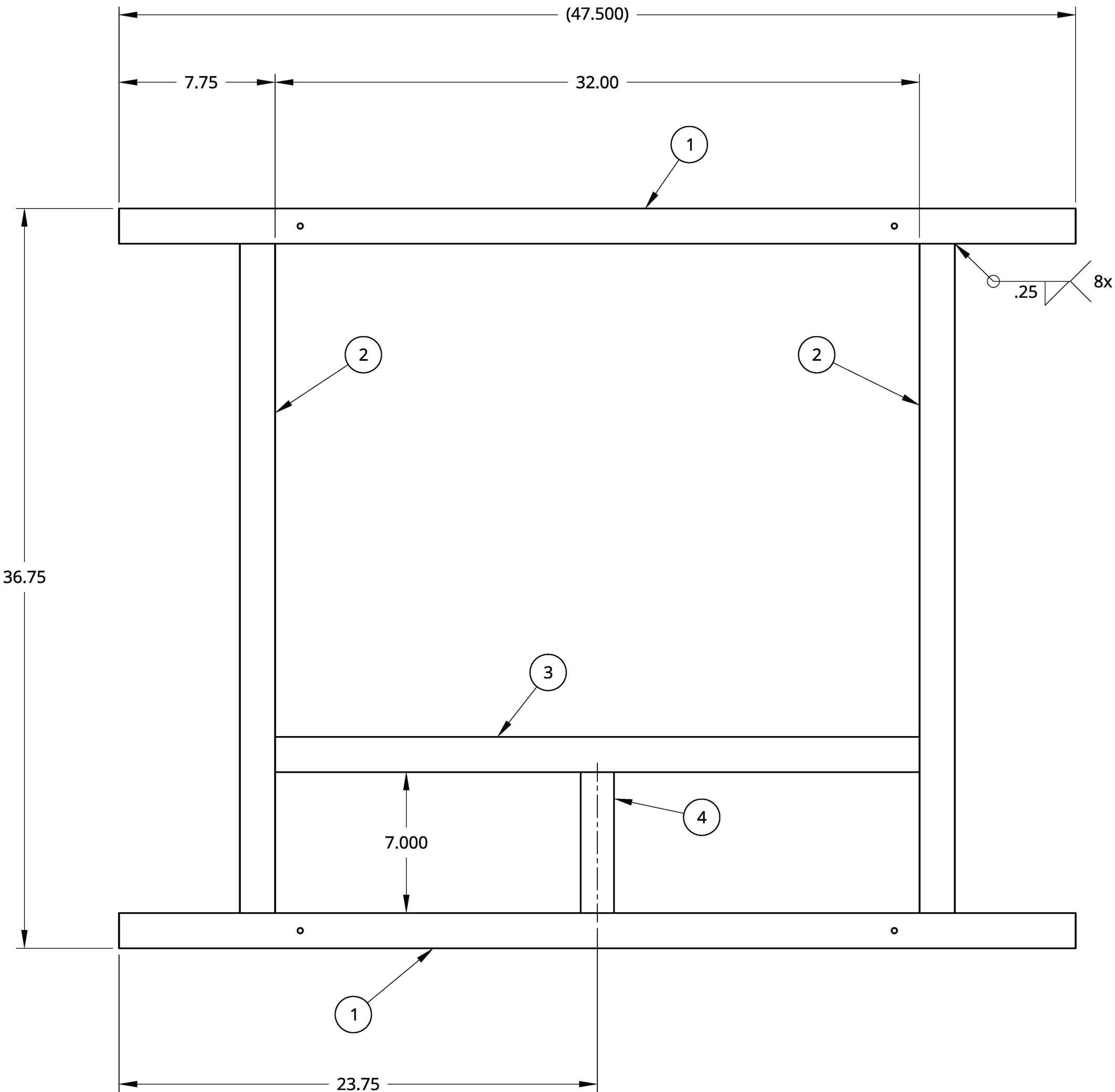
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NOTE POSITIONS OF HOLES IN TUBES

Item	Quantity	Part number	Description
1	2	GE-26001-01	Outpost Frame Top Tube
2	2	GE-26001-02	Outpost Frame Vertical Tube
3	1	GE-26001-03	Outpost Frame Mid Tube
4	1	GE-26001-04	Outpost Frame Round Tube

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.02 ANGULAR = ± 1° .XXX = ±.010	WELD	NAME	DATE			
	DRAWN	AV	08/06/2025			
DO NOT SCALE DRAWING	MATERIAL 1.75" X 1.75" X .125" SQUARE BOX TUBE			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				OUTPOST FRAME WELDMENT		
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE C	DWG NO. GE-26001	REV.
				SCALE 1:5	SHEET 1 of 5	

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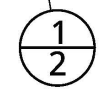
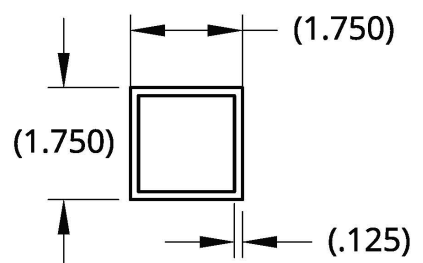
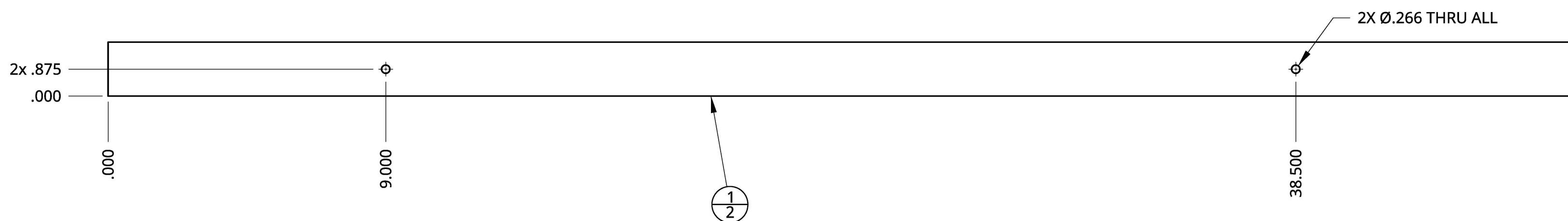
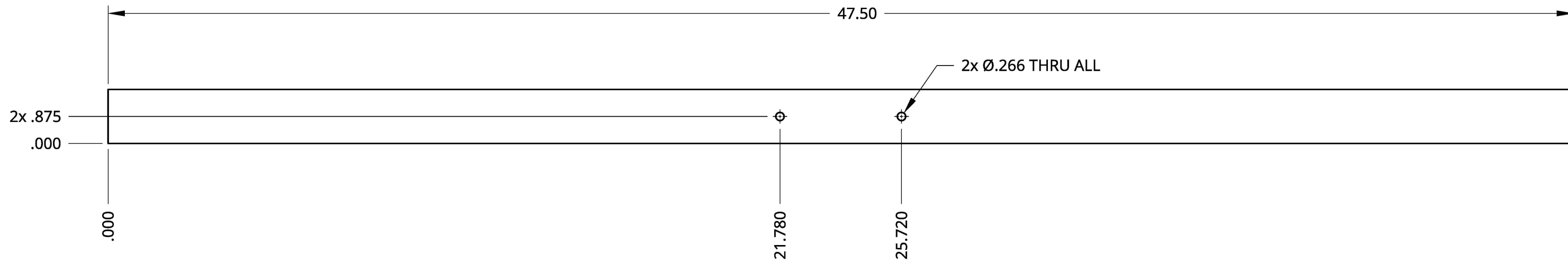
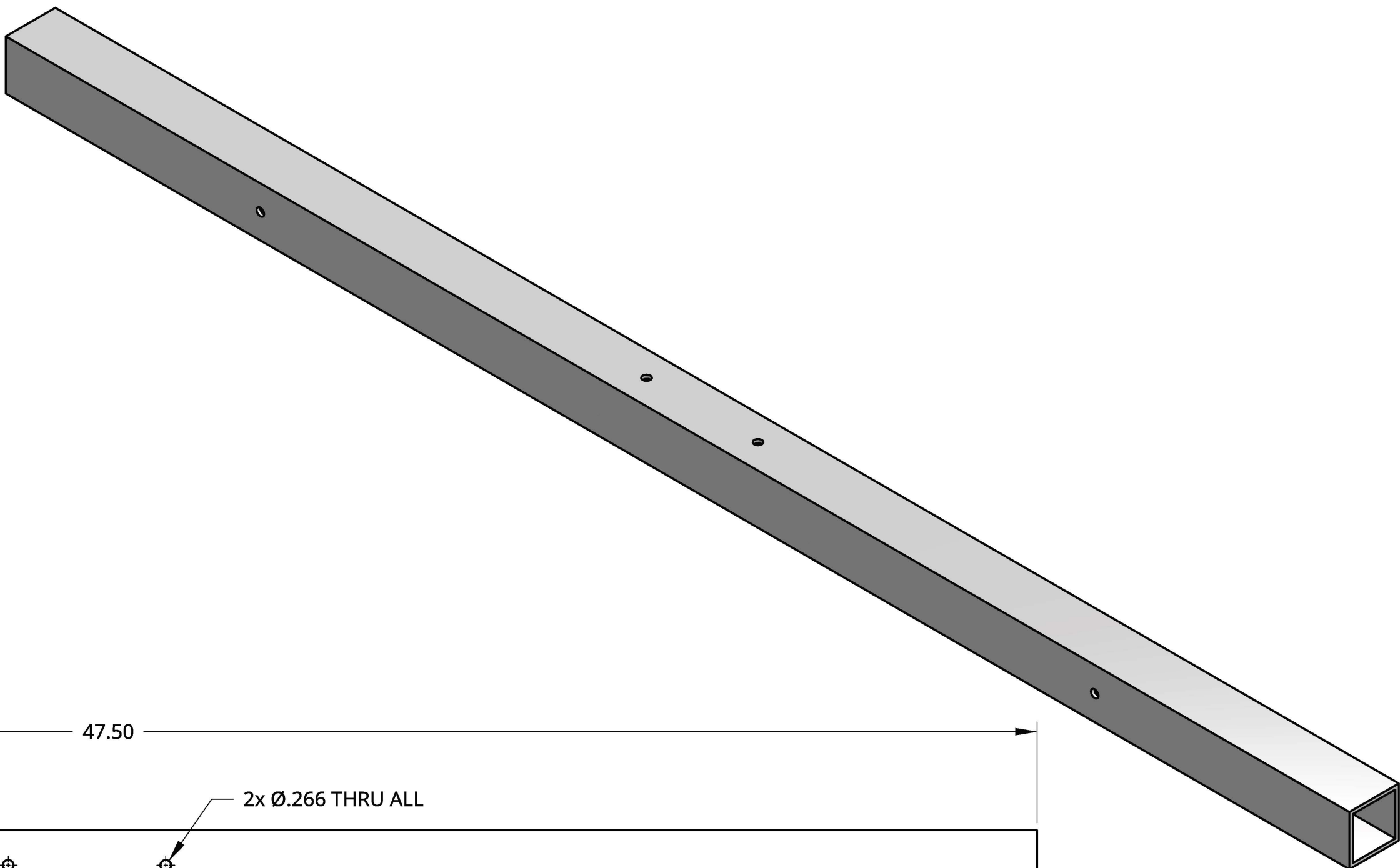
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE				
	DRAWN	AV	08/06/2025				
DO NOT SCALE DRAWING	MATERIAL 1.75" X 1.75" X .125" SQUARE BOX TUBE			TITLE			
BREAK ALL SHARP EDGES AND REMOVE BURRS				OUTPOST FRAME TOP TUBE			
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE	DWG NO.	GE-26001-01	REV.
				C			
	SCALE	1:3		SHEET	2 of 5		

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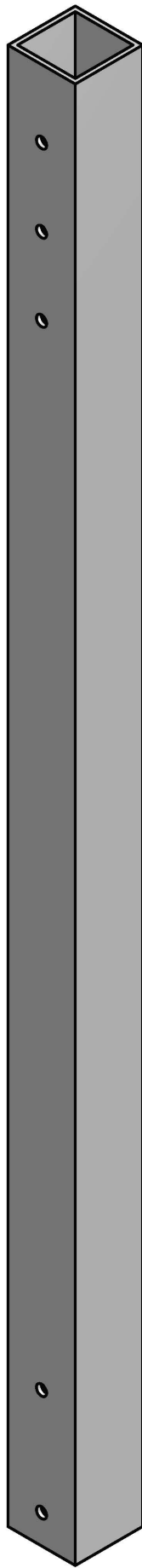
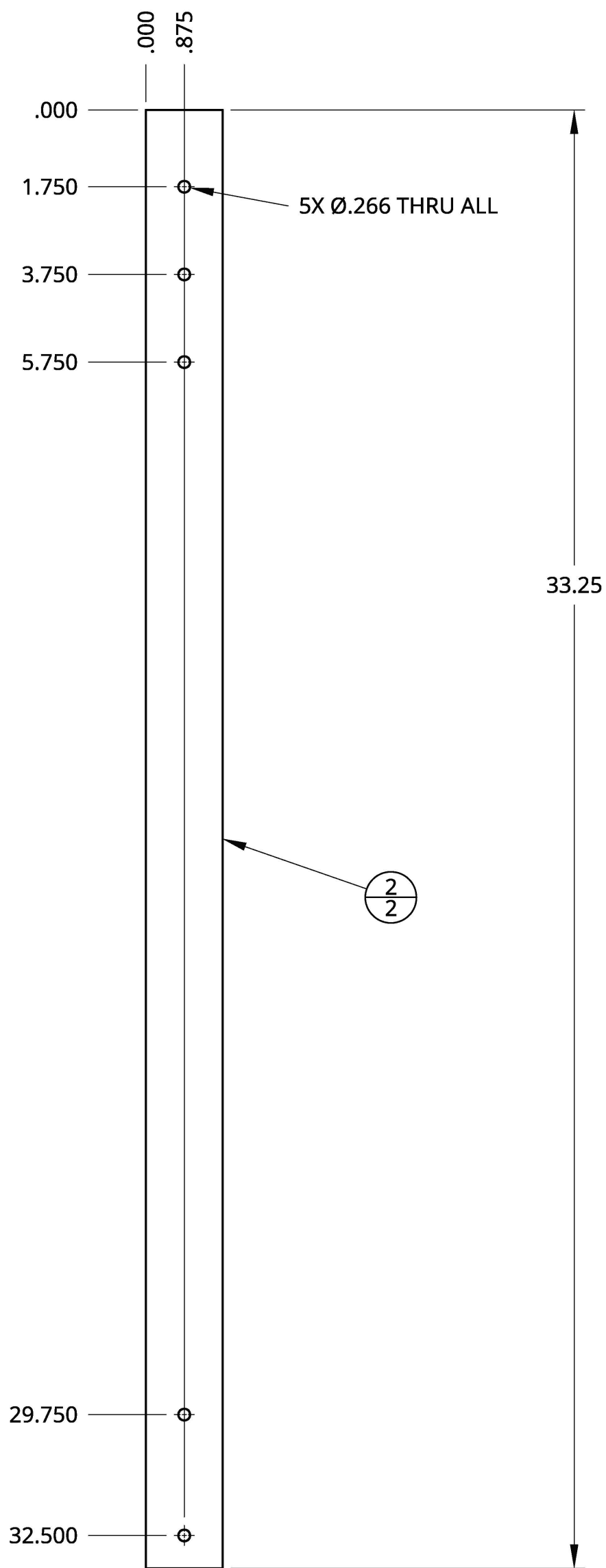
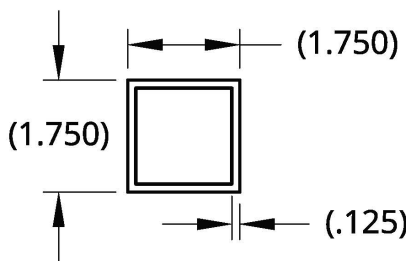
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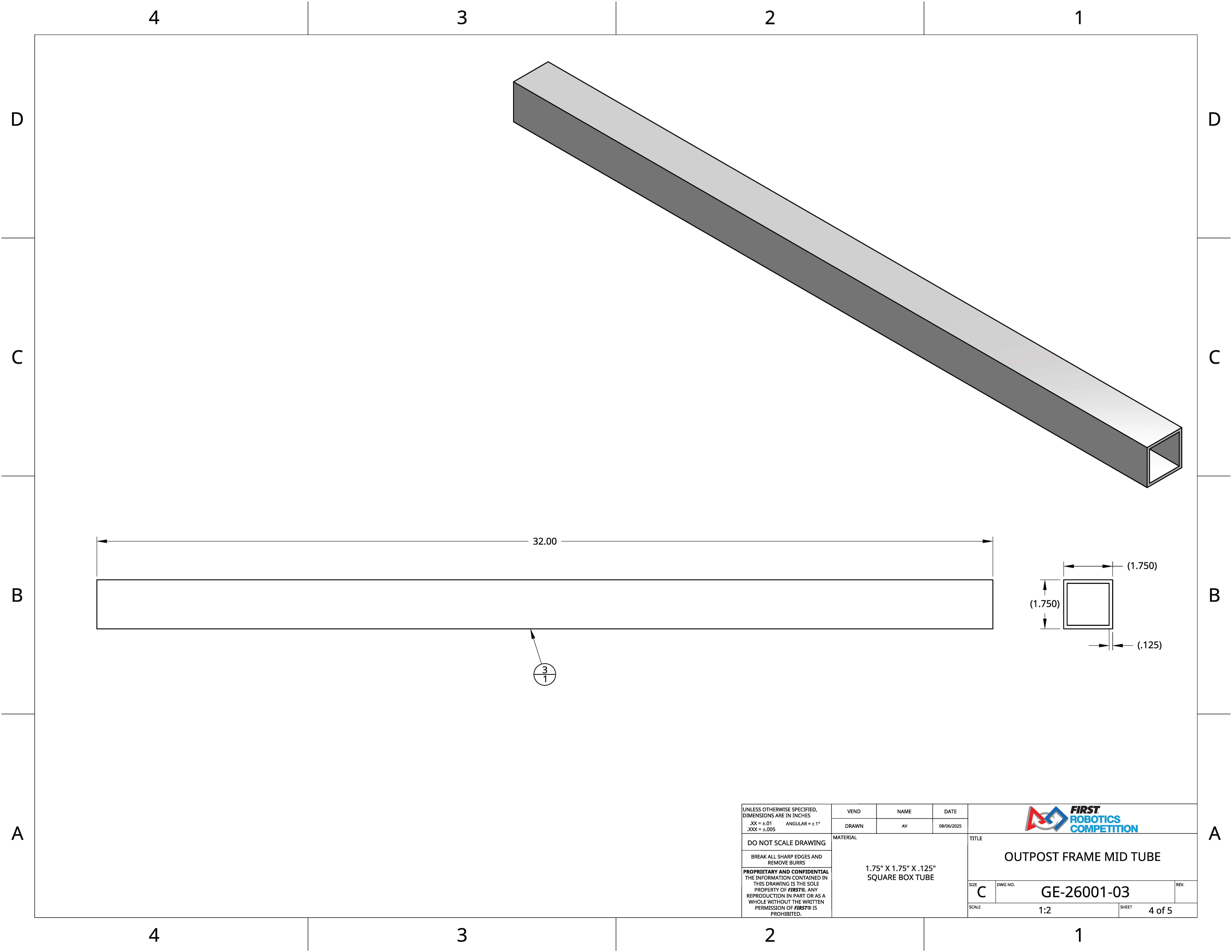
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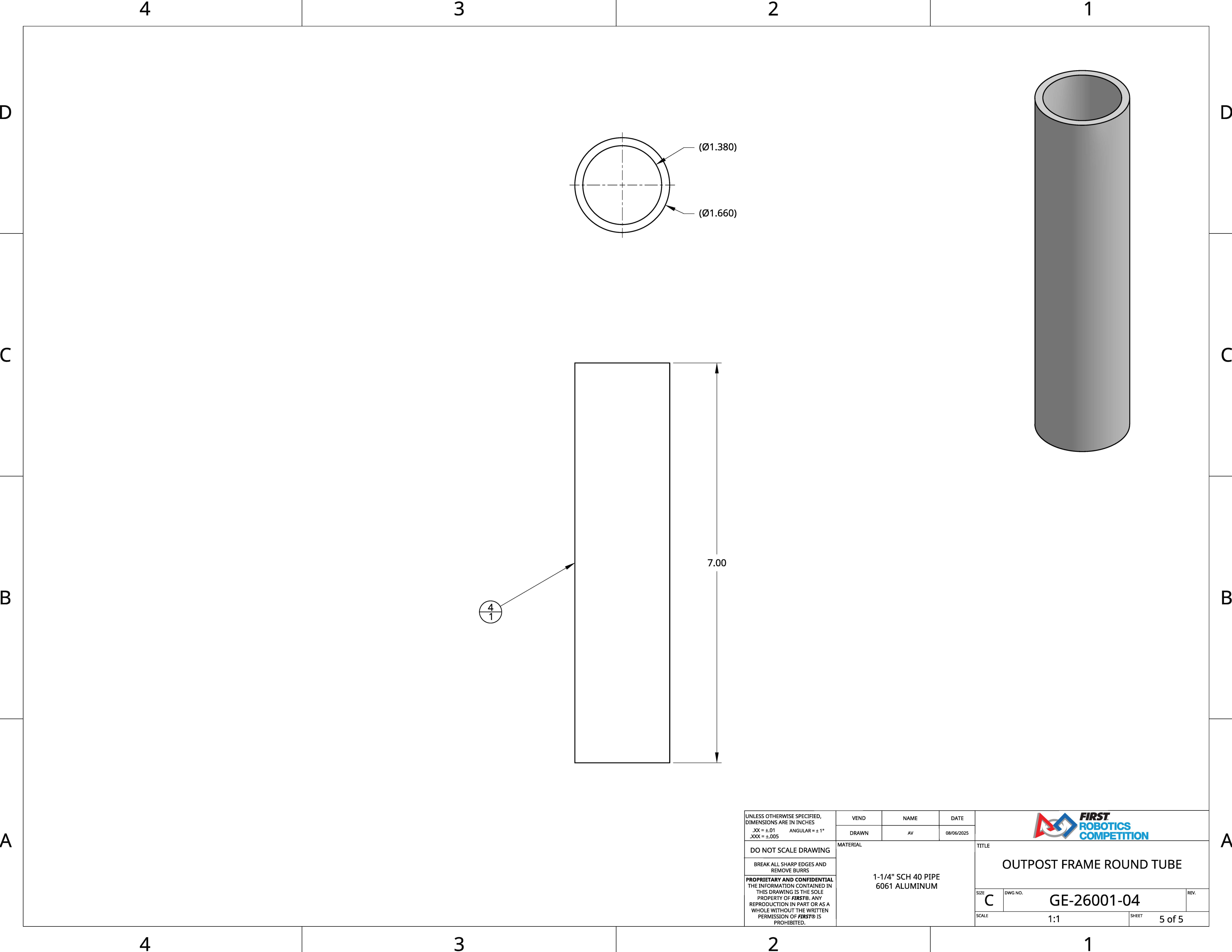
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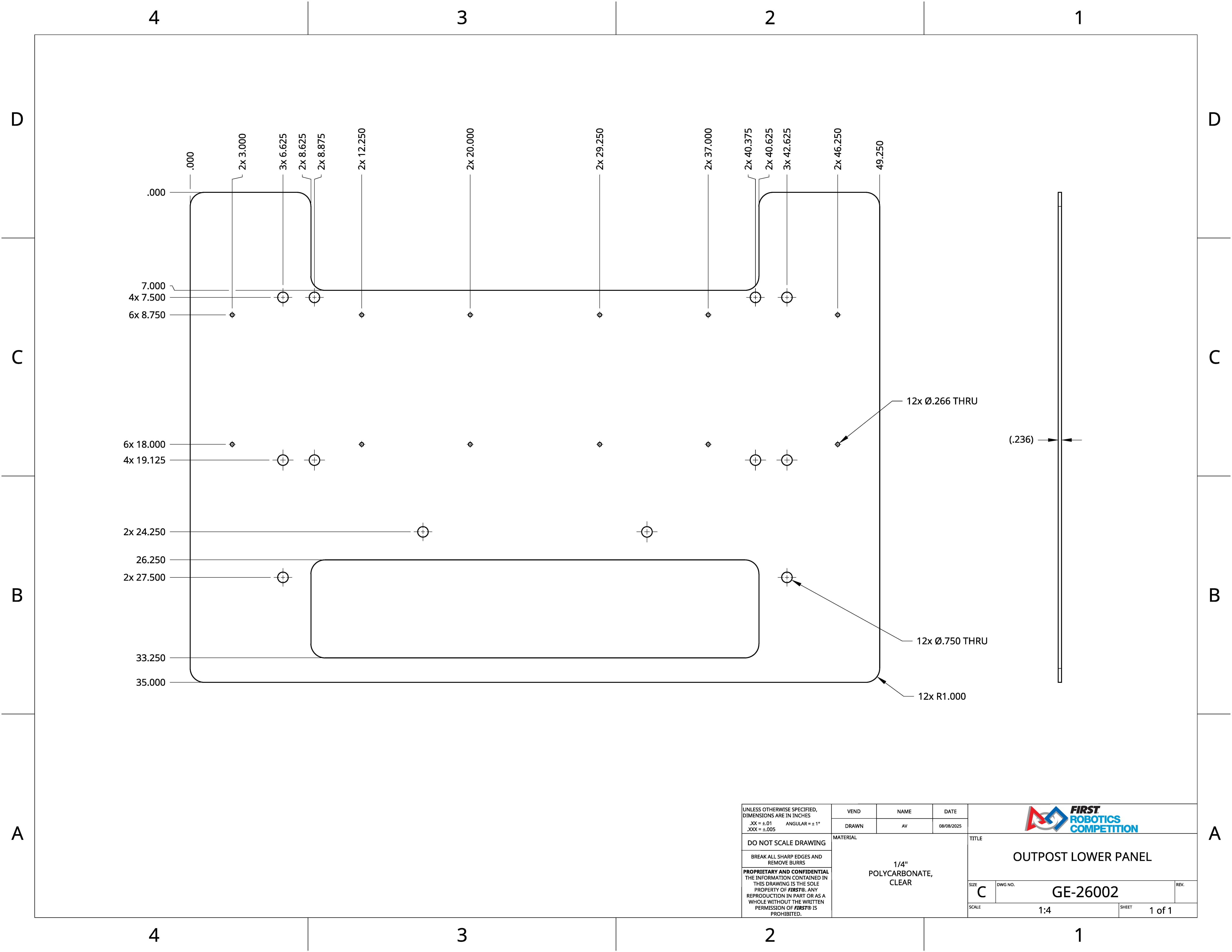
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE			
	DRAWN	AV	08/06/2025			
DO NOT SCALE DRAWING	MATERIAL 1.75" X 1.75" X .125" SQUARE BOX TUBE			TITLE OUTPOST FRAME VERTICAL TUBE		
BREAK ALL SHARP EDGES AND REMOVE BURRS						
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE C	DWG NO. GE-26001-02	REV.
				SCALE 1:3	SHEET 3 of 5	



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE		
	DRAWN	AV	08/06/2025		
	MATERIAL			TITLE	
DO NOT SCALE DRAWING	1.75" X 1.75" X .125" SQUARE BOX TUBE			OUTPOST FRAME MID TUBE	
BREAK ALL SHARP EDGES AND REMOVE BURRS				SIZE C	DWG NO. GE-26001-03
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SCALE 1:2	REV. 4 of 5



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE			
	DRAWN	AV	08/06/2025			
DO NOT SCALE DRAWING	MATERIAL 1-1/4" SCH 40 PIPE 6061 ALUMINUM			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				OUTPOST FRAME ROUND TUBE		
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE	DWG NO.	REV.
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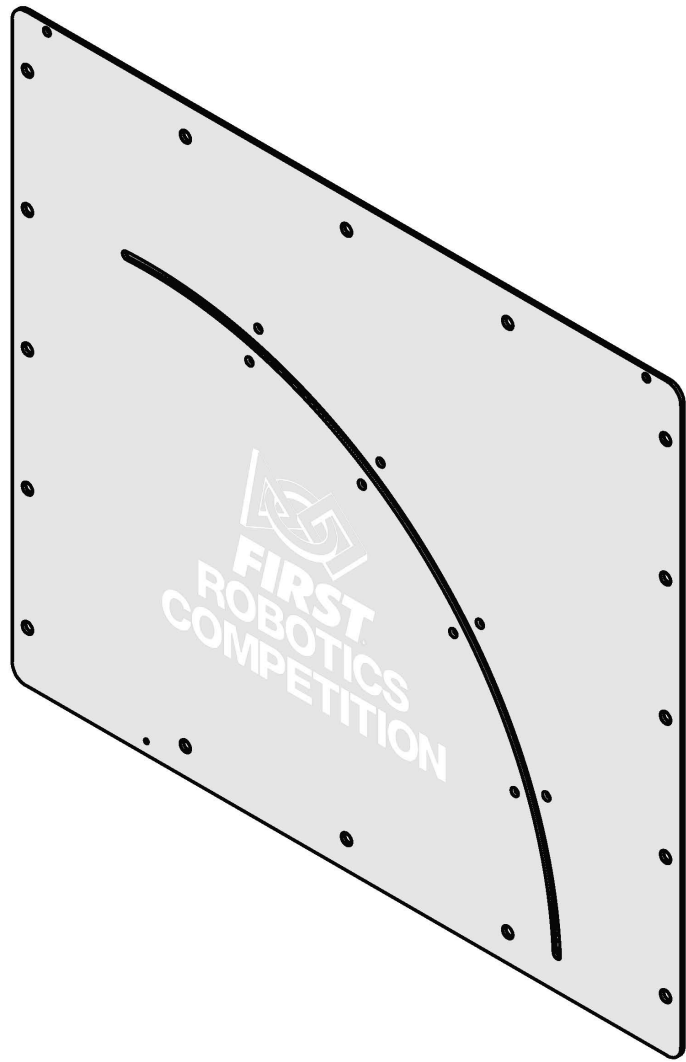
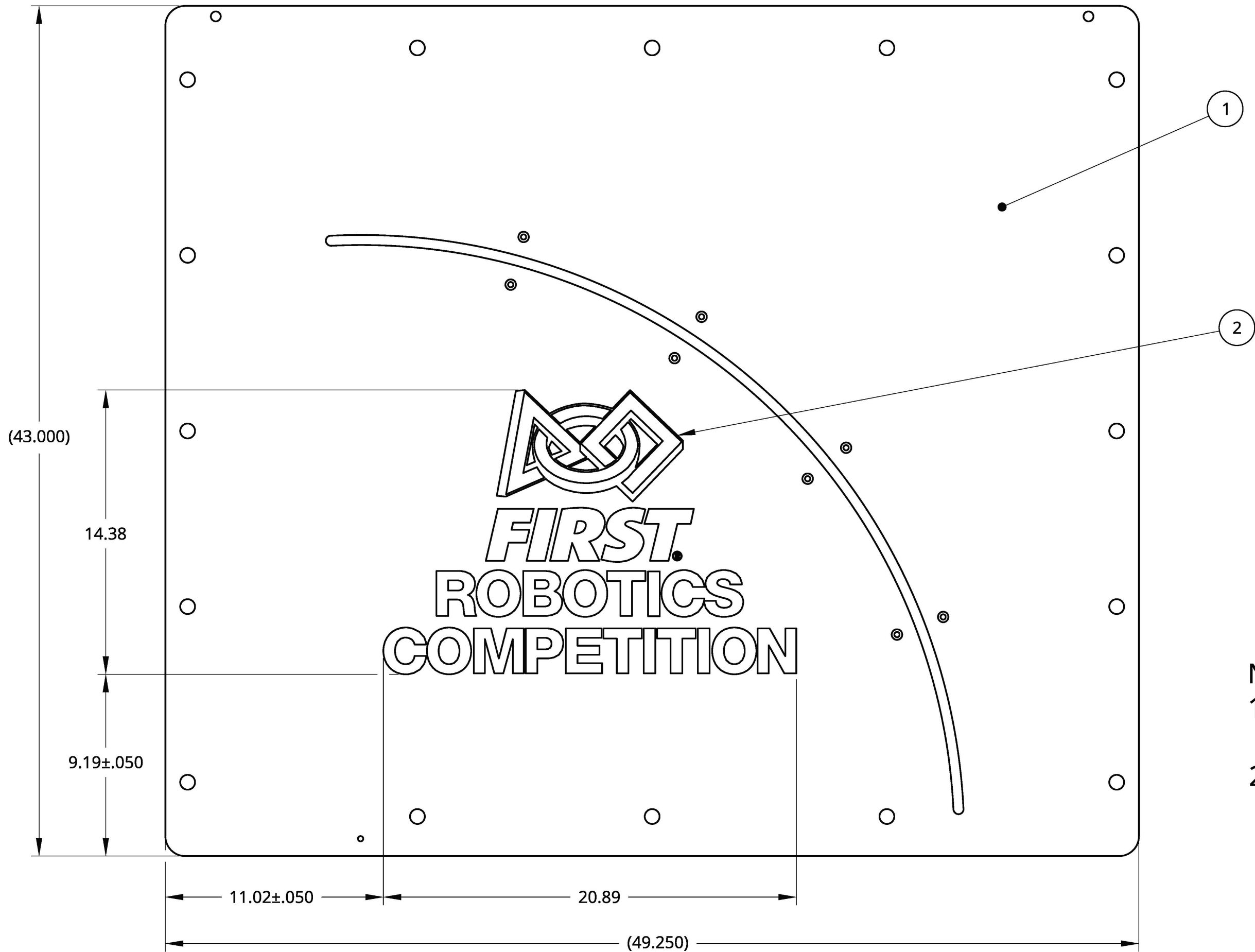
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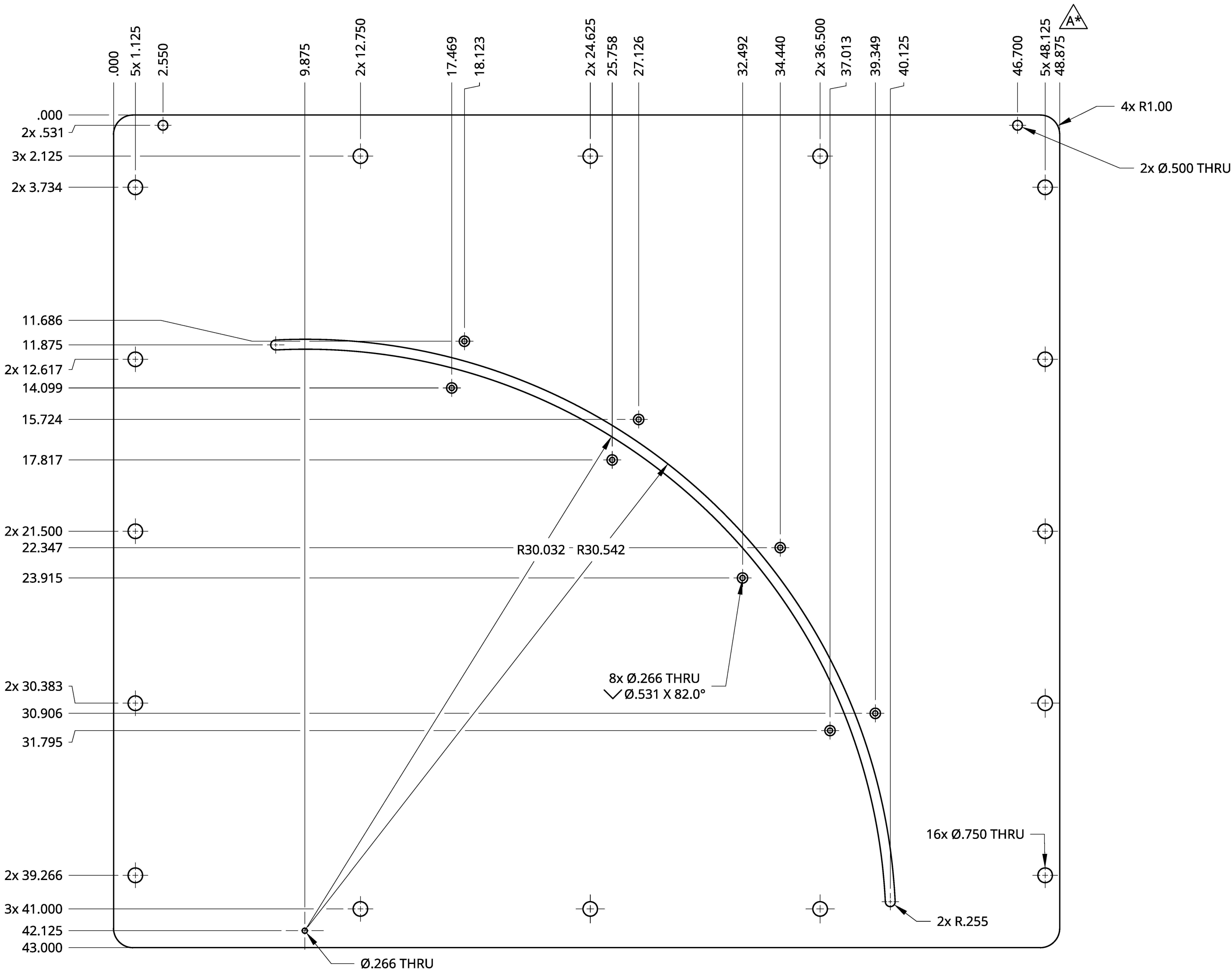
SCALE 1:10

- NOTES:
- 1. White vinyl cut out & applied to clear polycarbonate panel
 - 2. See EPS file for vinyl outline

Item	Quantity	Part number	Description
1	1	GE-26003-01	Outpost Upper Panel
2	1	GE-26003-Vinyl	Outpost Upper Panel Vinyl

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE				
	DRAWN	OCD	10/02/2025				
DO NOT SCALE DRAWING	MATERIAL			TITLE			
BREAK ALL SHARP EDGES AND REMOVE BURRS				OUTPOST UPPER PANEL ASSY			
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE	DWG NO.	REV.	
				C	GE-26003		
	SCALE			1:5	SHEET	1 of 1	

REVISIONS			
Revision	Revision description	Date drawn	Drawn by
A*	48.875 was 49.25	2025-08-07	AV



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005		VEND	NAME	DATE			
		DRAWN	AV	08/07/2025			
DO NOT SCALE DRAWING		MATERIAL 1/4" POLYCARBONATE, CLEAR			TITLE OUTPOST UPPER PANEL		
BREAK ALL SHARP EDGES AND REMOVE BURRS							
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST® . ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.					SIZE	DWG NO.	REV.
					C	GE-26003-01	A
		SCALE	1:4	SHEET	1 of 1		

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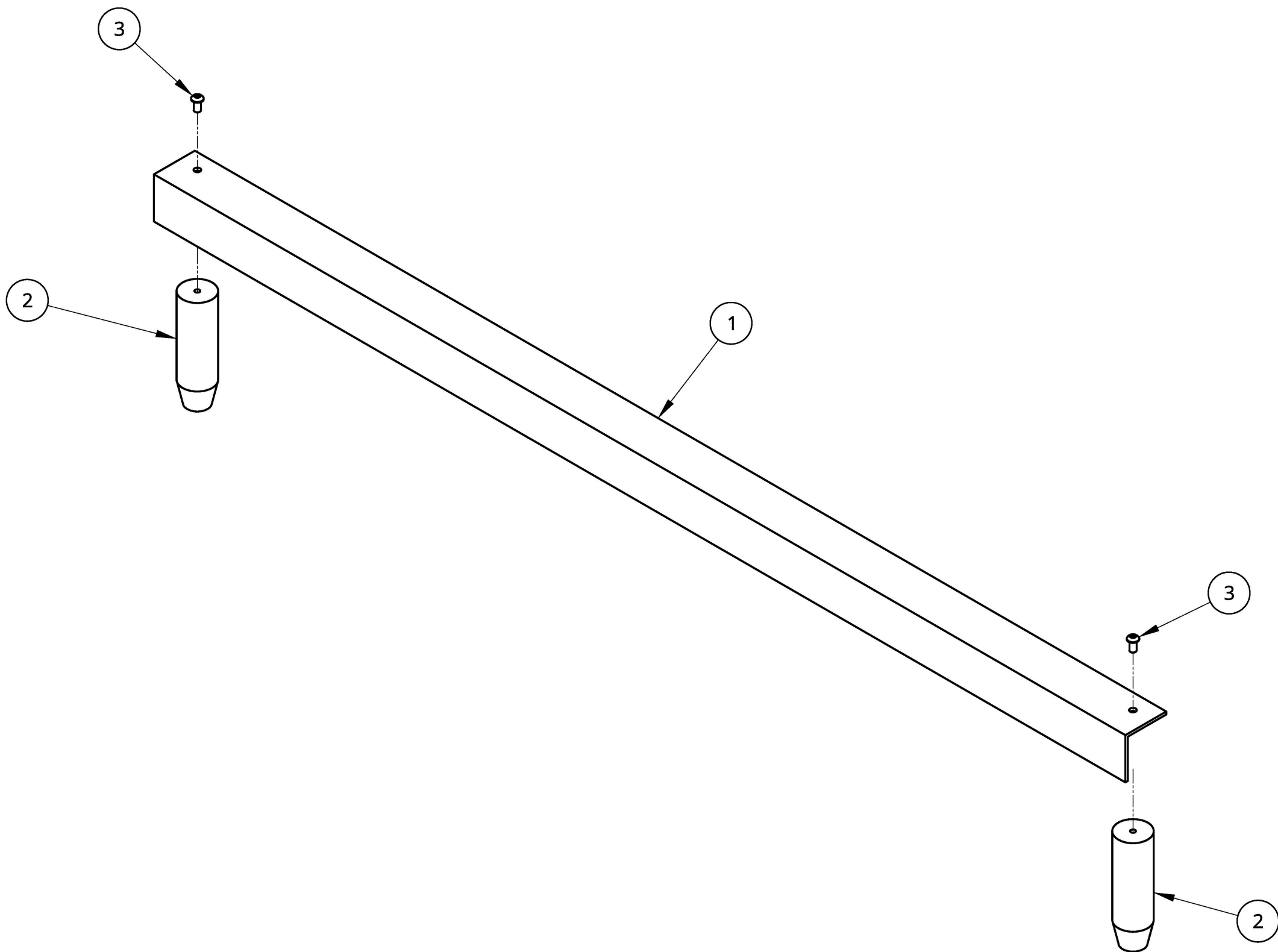
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Item	Quantity	Part number	Description
1	1	GE-26004-01	Outpost Welded Perimeter Top Rail
2	2	FE-00060	Top Rail, Post
3	2		Socket button head cap screw 1/4-20 x 0.5 Hardened Alloy Steel Black Oxide

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DIMENSIONS ARE IN INCHES
.XX = ±.01 ANGULAR = ± 1°
.XXX = ±.005

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VEND	NAME	DATE
DRAWN	OCD	09/25/2025

MATERIAL



TITLE
OUTPOST BRI-WELD TOP RAIL ASSY

SIZE C	DWG NO. GE-26004	REV.
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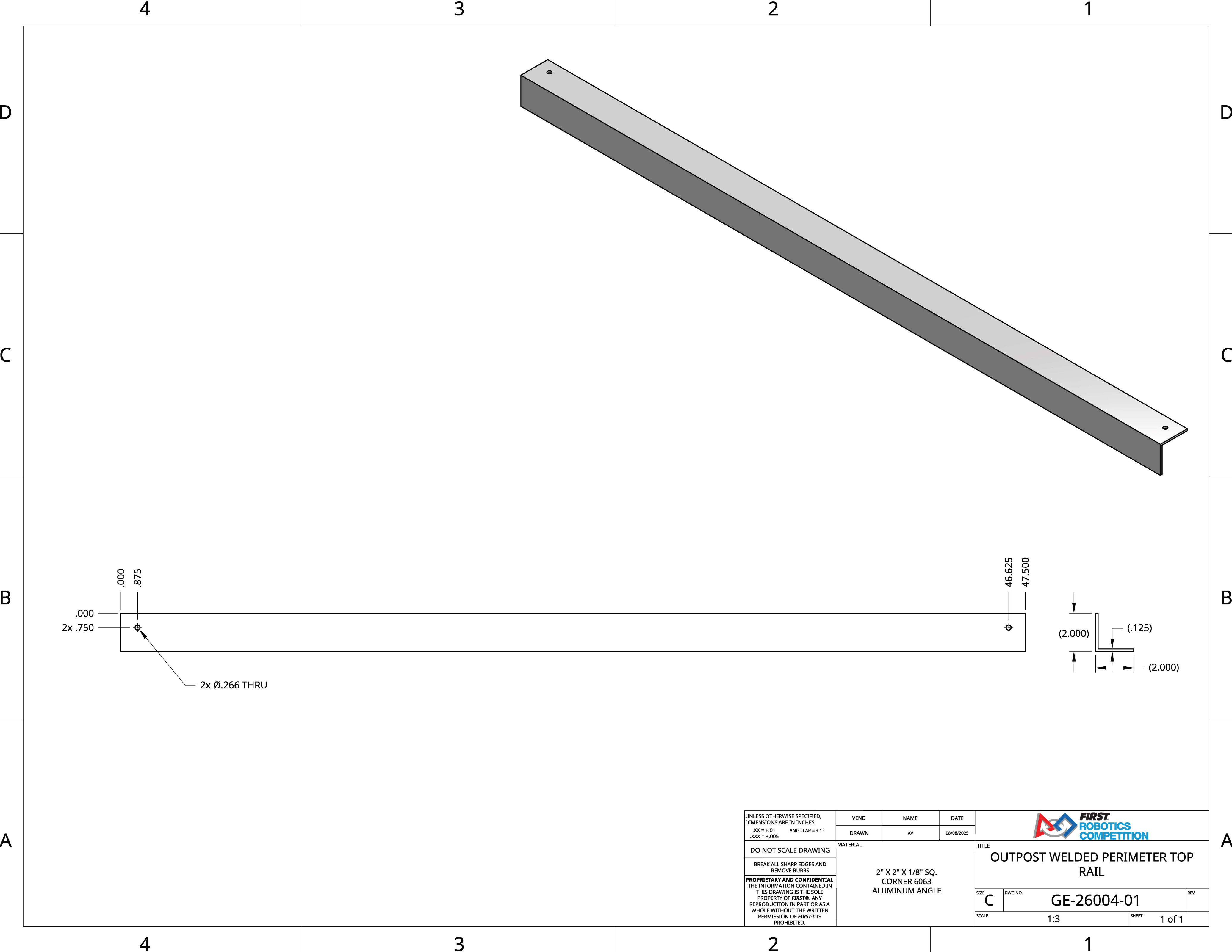
SCALE 1:4	SHEET 1 of 1
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE		
	DRAWN	AV	08/08/2025		
	MATERIAL			TITLE	
DO NOT SCALE DRAWING	2" X 2" X 1/8" SQ. CORNER 6063 ALUMINUM ANGLE			OUTPOST WELDED PERIMETER TOP RAIL	
BREAK ALL SHARP EDGES AND REMOVE BURRS				SIZE C	DWG NO. GE-26004-01
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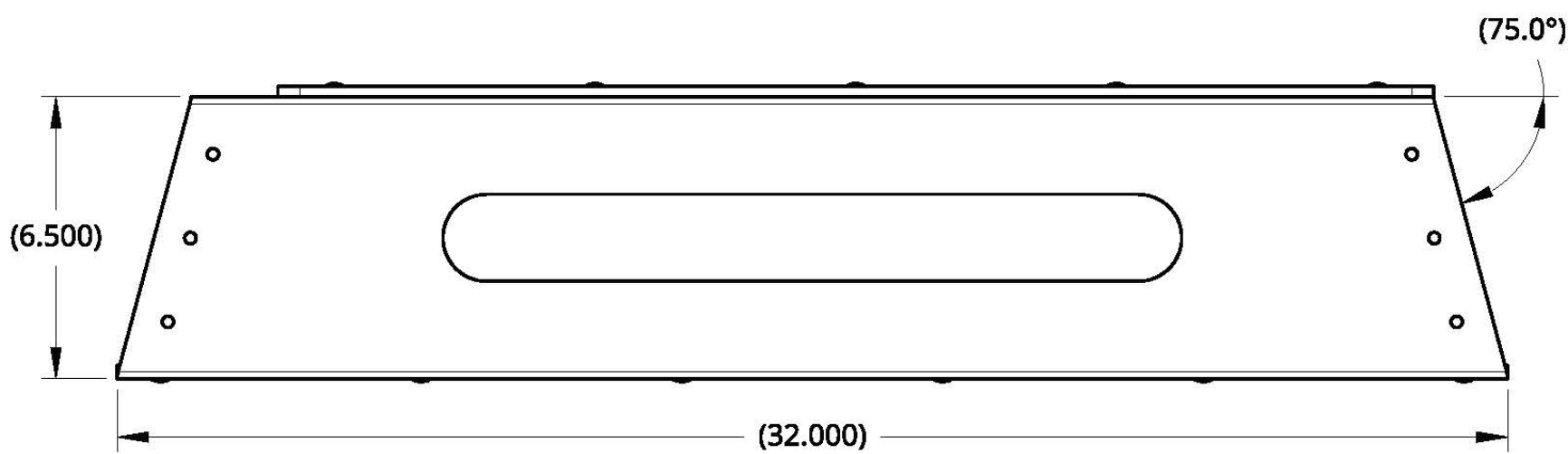
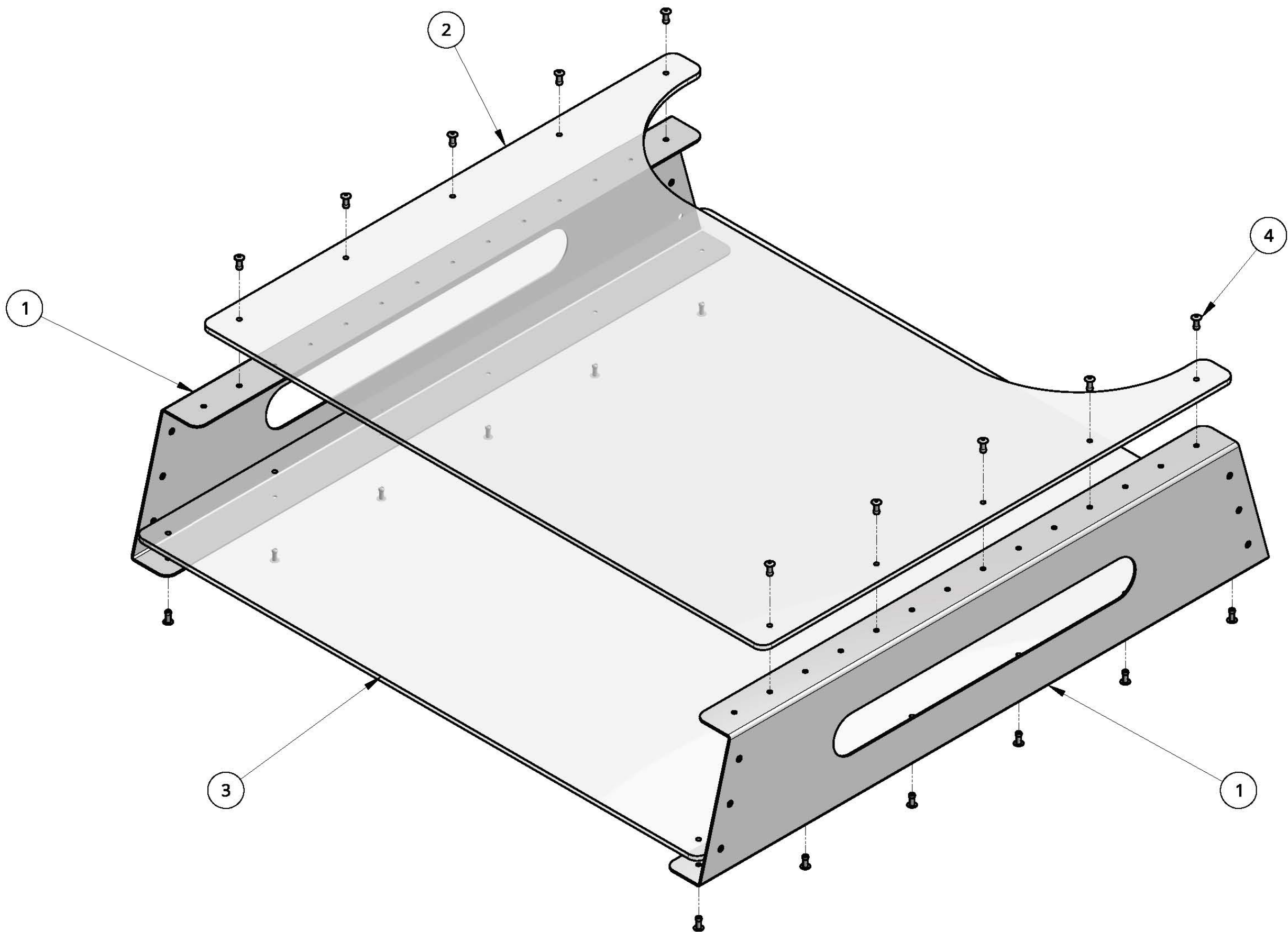
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Item	Quantity	Part number	Description
1	2	GE-26005-01	Outpost Chute Side
2	1	GE-26005-02	Outpost Chute Top
3	1	GE-26005-03	Outpost Chute Bottom
4	22		3/16in Rivet, 0.251-0.375in Grip Length

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES
.XX = ±.01 ANGULAR = ± 1°
.XXX = ±.005

DO NOT SCALE DRAWING

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REMOVE BURRS

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VEND	NAME	DATE
DRAWN	AV	08/06/2025

MATERIAL

SEE COMPONENT
DRAWINGS



OUTPOST CHUTE ASSY

SIZE C	DWG NO. GE-26005	REV.
SCALE 1:4	SHEET 1 of 4	

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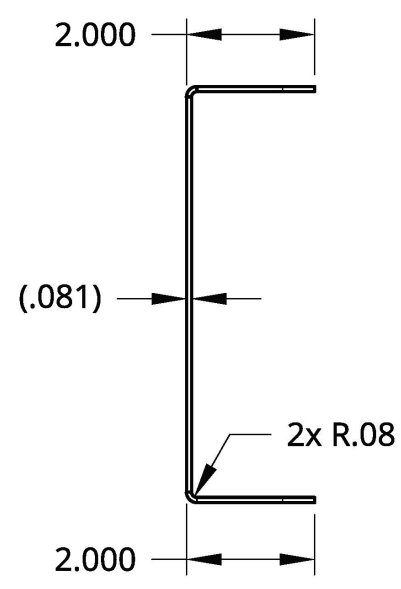
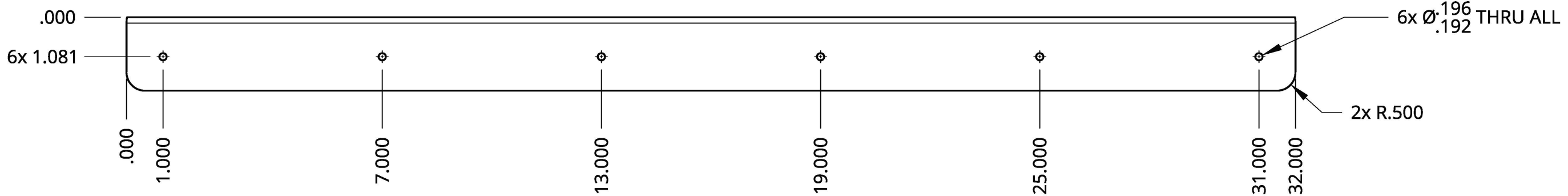
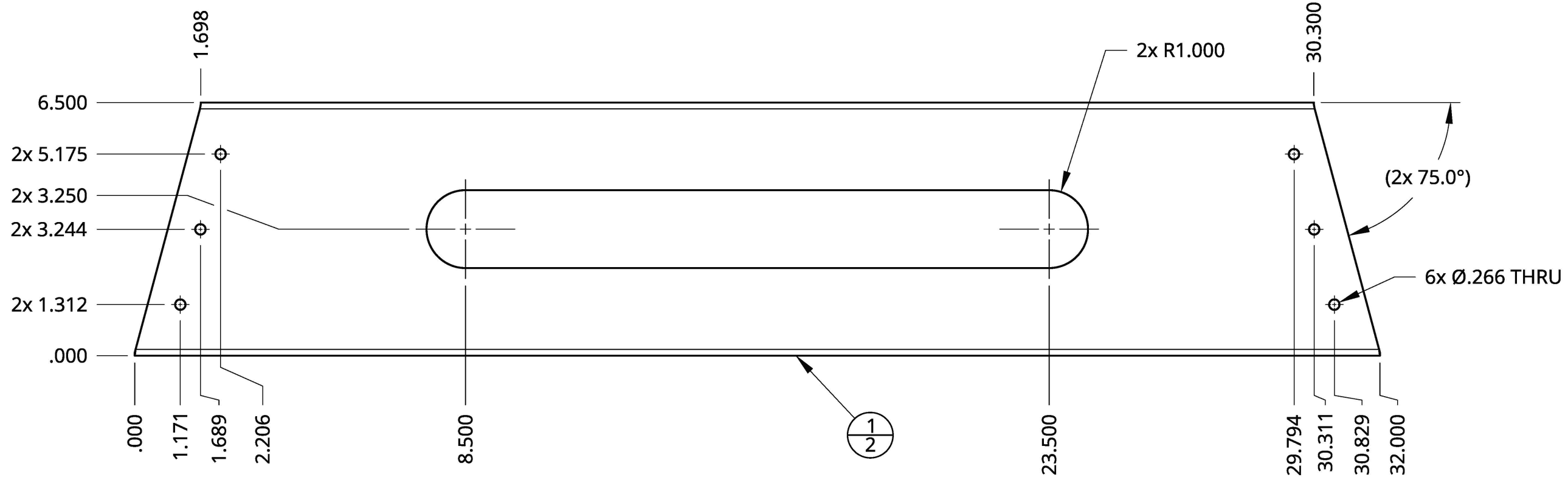
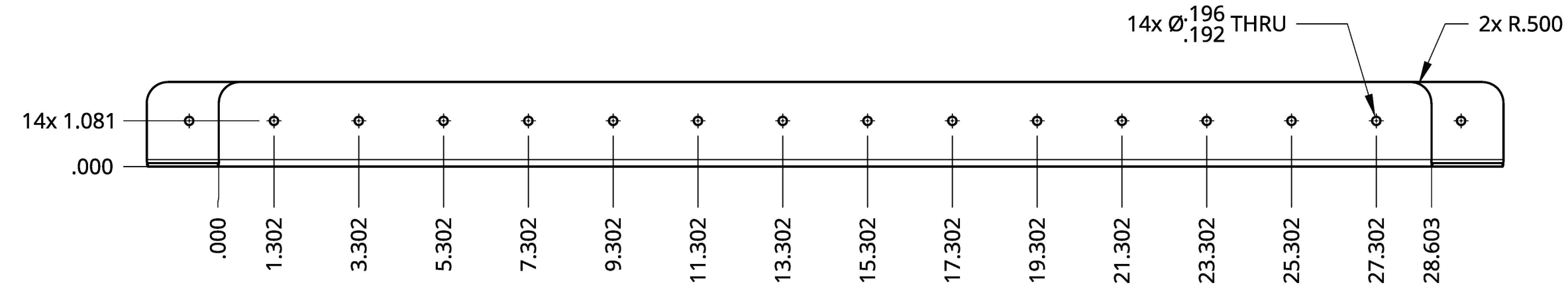
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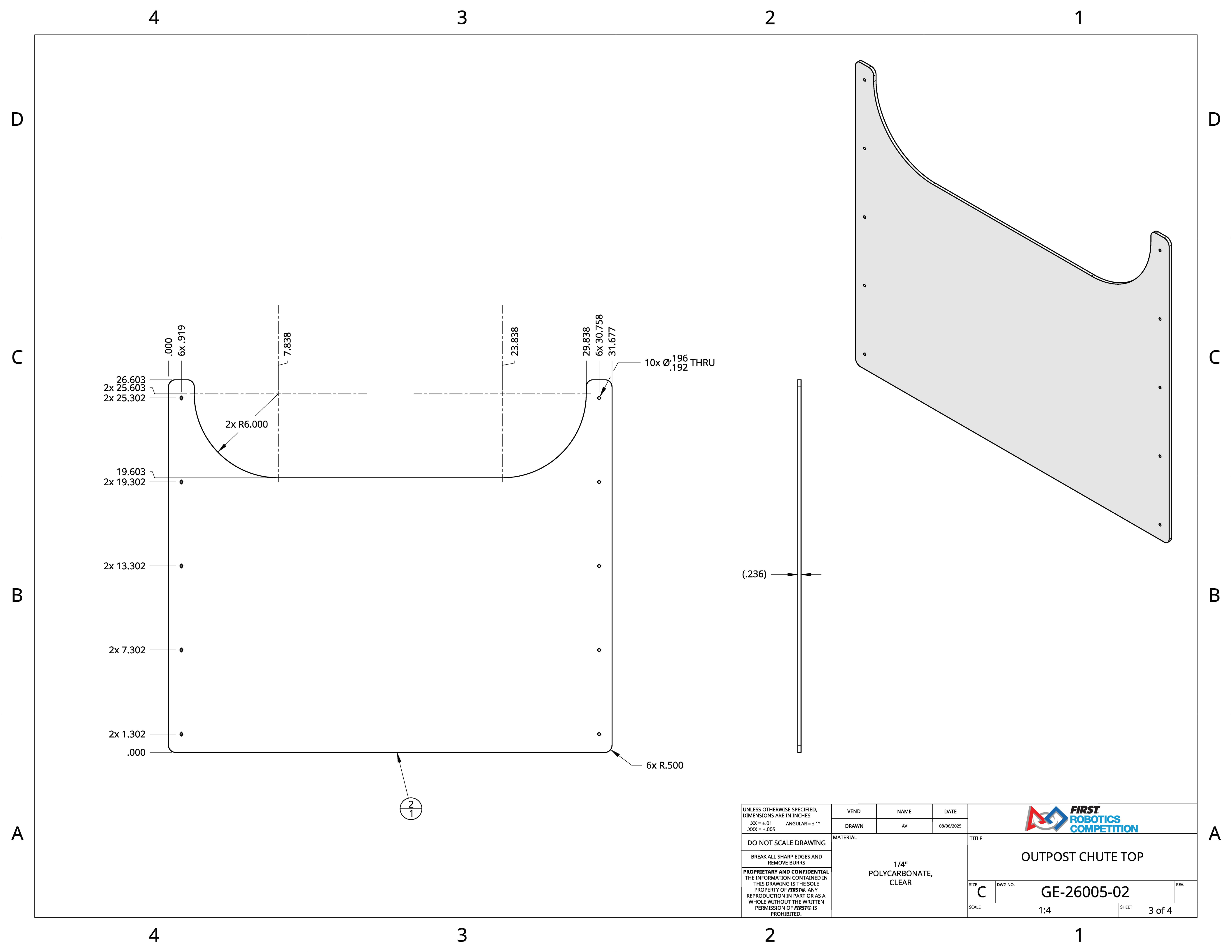
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	BEND	NAME	DATE		
	DRAWN	AV	08/06/2025		
	DO NOT SCALE DRAWING			TITLE	
	BREAK ALL SHARP EDGES AND REMOVE BURRS			OUTPOST CHUTE SIDE	
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	12 GA (0.08081") 5052 ALUMINUM			DWG NO.	GE-26005-01
				SCALE	2 of 4



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE		
	DRAWN	AV	08/06/2025		
	MATERIAL			TITLE	
DO NOT SCALE DRAWING	1/4" POLYCARBONATE, CLEAR			OUTPOST CHUTE TOP	
BREAK ALL SHARP EDGES AND REMOVE BURRS				SIZE C	DWG NO. GE-26005-02
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SCALE 1:4	REV. 3 of 4

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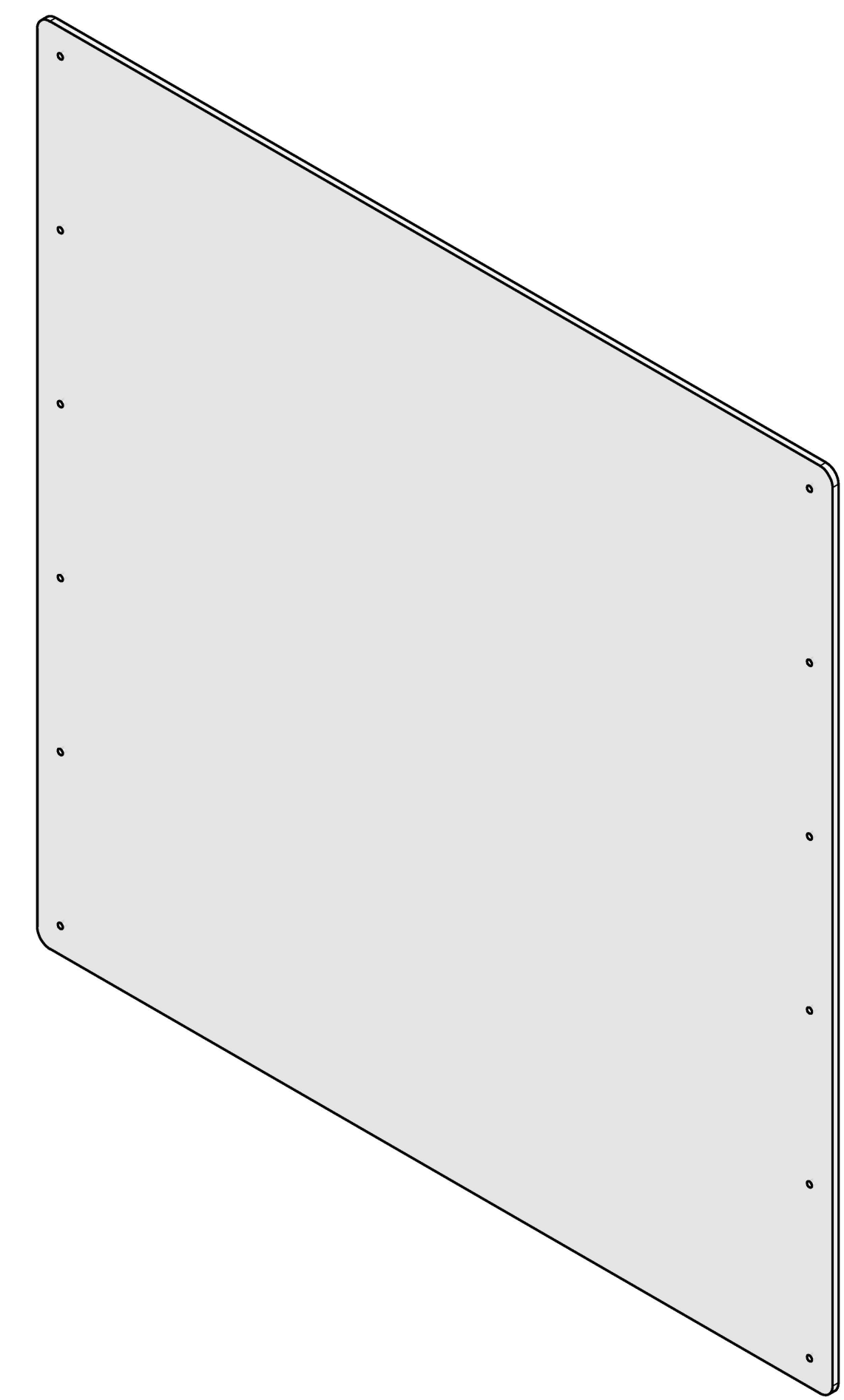
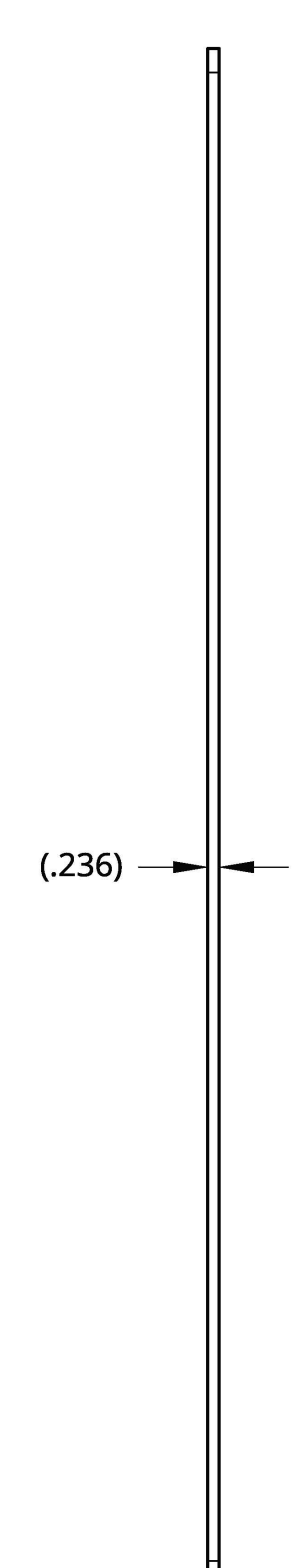
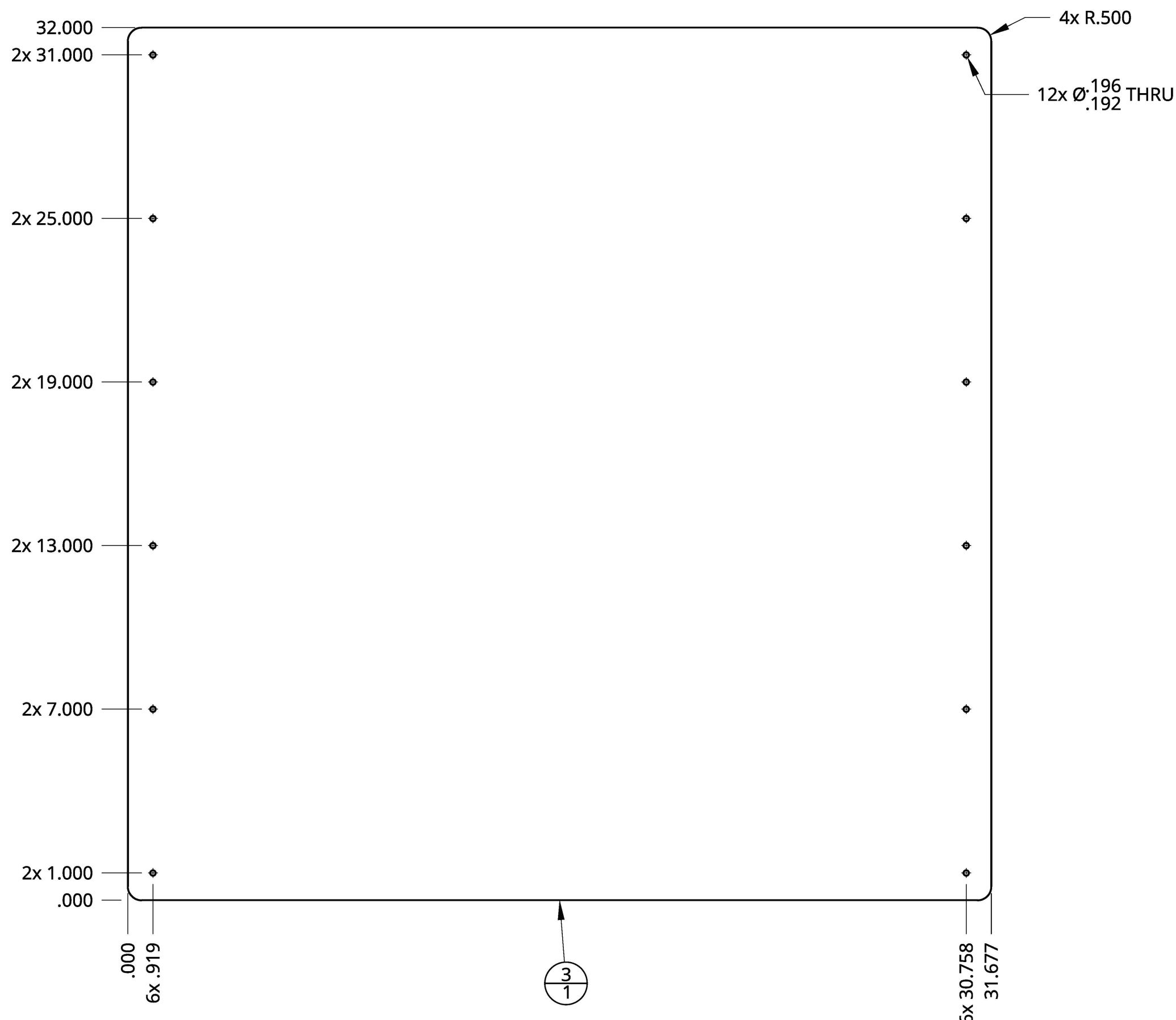
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE		
	DRAWN	AV	08/06/2025		
	MATERIAL			TITLE	
DO NOT SCALE DRAWING	1/4" POLYCARBONATE, CLEAR			OUTPOST CHUTE BOTTOM	
BREAK ALL SHARP EDGES AND REMOVE BURRS				SIZE C	REV.
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SCALE 1:4		SHEET 4 of 4			

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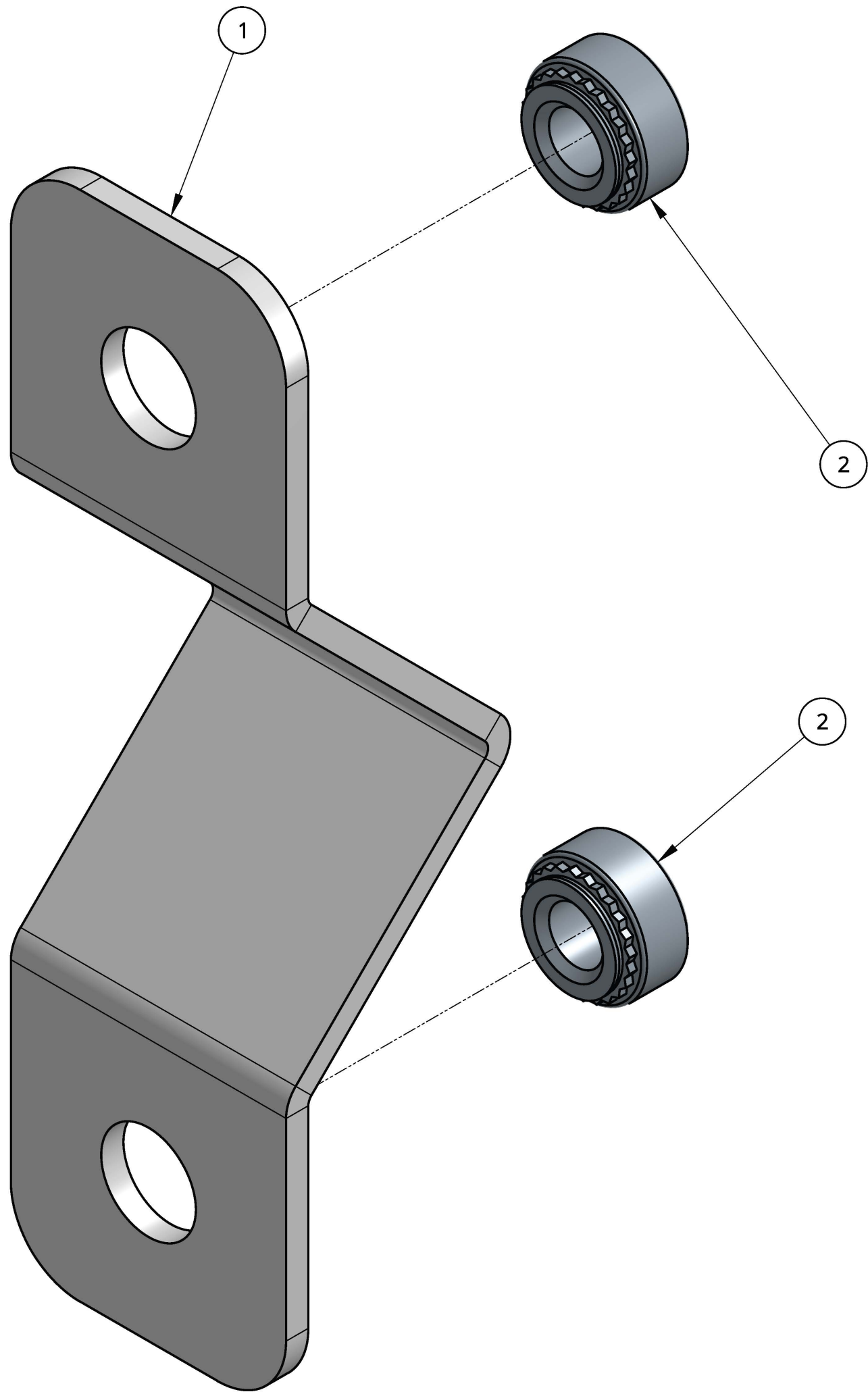
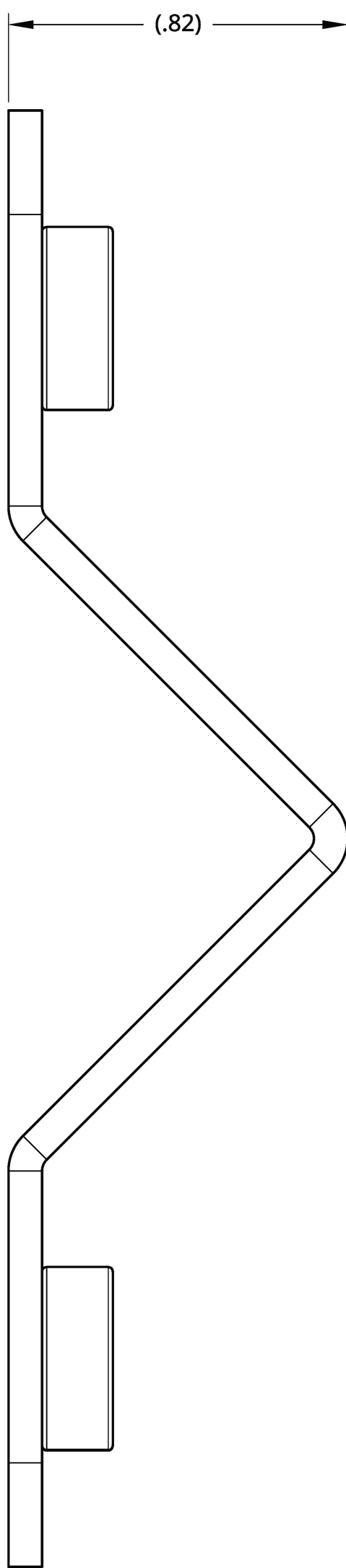
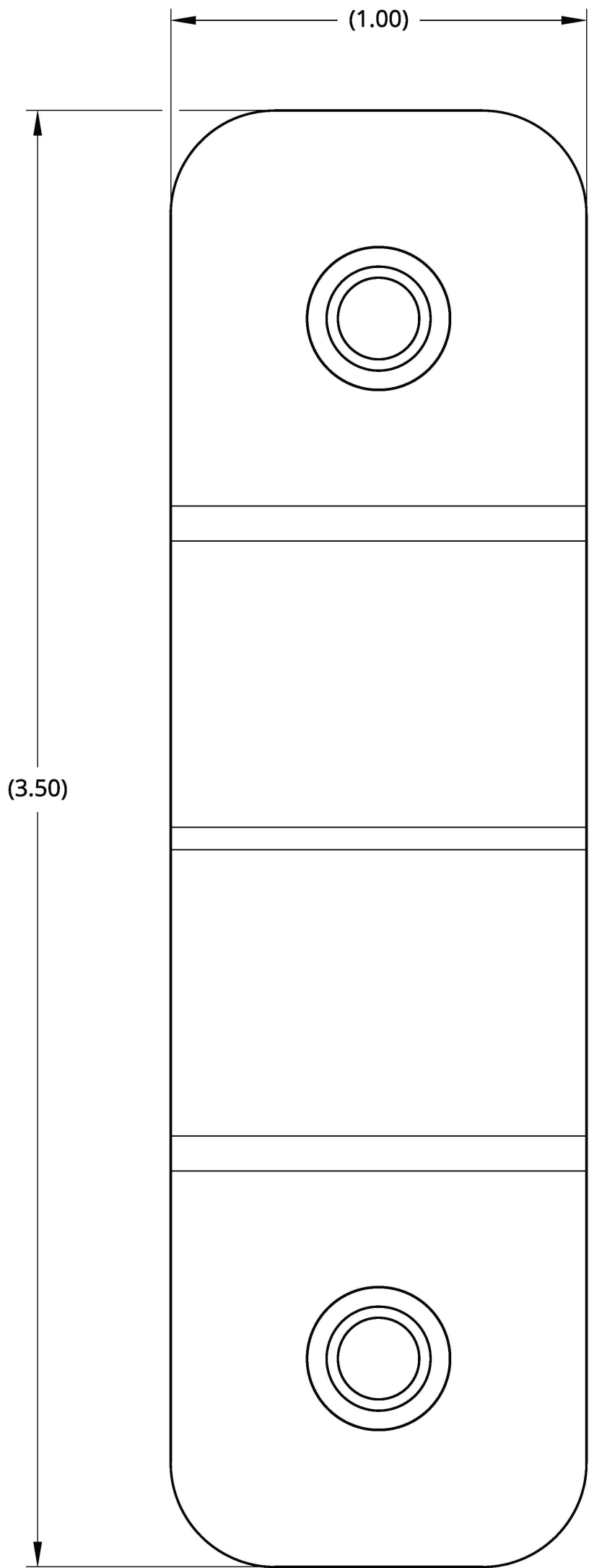
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UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES
.XX = ±.01 ANGULAR = ± 1°
.XXX = ±.005

DO NOT SCALE DRAWING

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REMOVE BURRS

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Item	Quantity	Part number	Description
1	1	GE-26007-01	Outpost Slot Support
2	2		PEM S-0420-1 ZI Carbon Steel Zinc plated

VEND	NAME	DATE		
DRAWN	AV	08/07/2025		
MATERIAL			TITLE	
SEE COMPONENT DRAWINGS			OUTPOST SLOT SUPPORT ASSY	
			SIZE C	REV.
SCALE 3:1			DWG NO. GE-26007	SHEET 1 of 2

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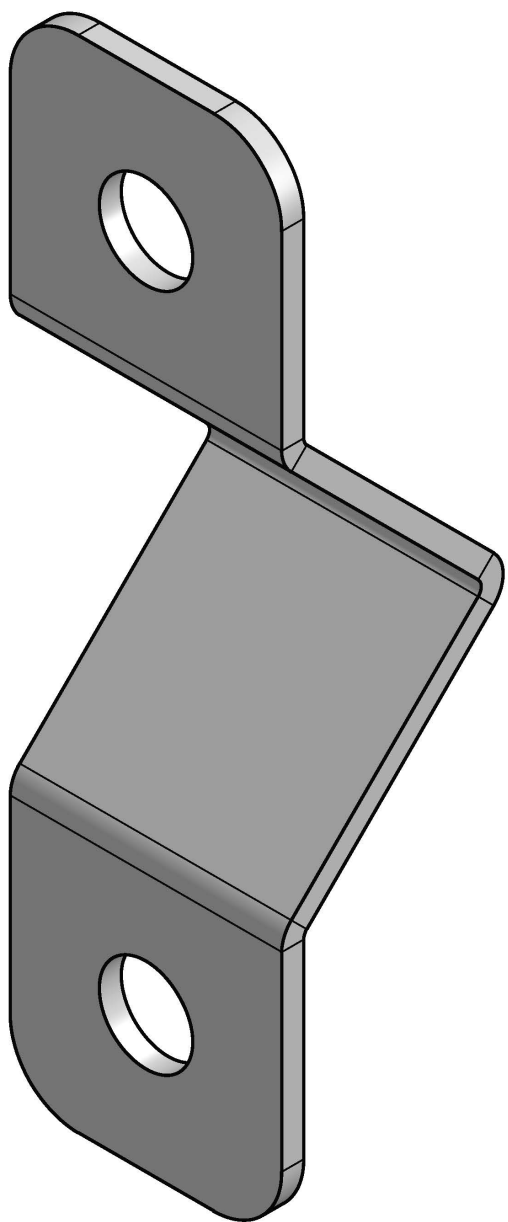
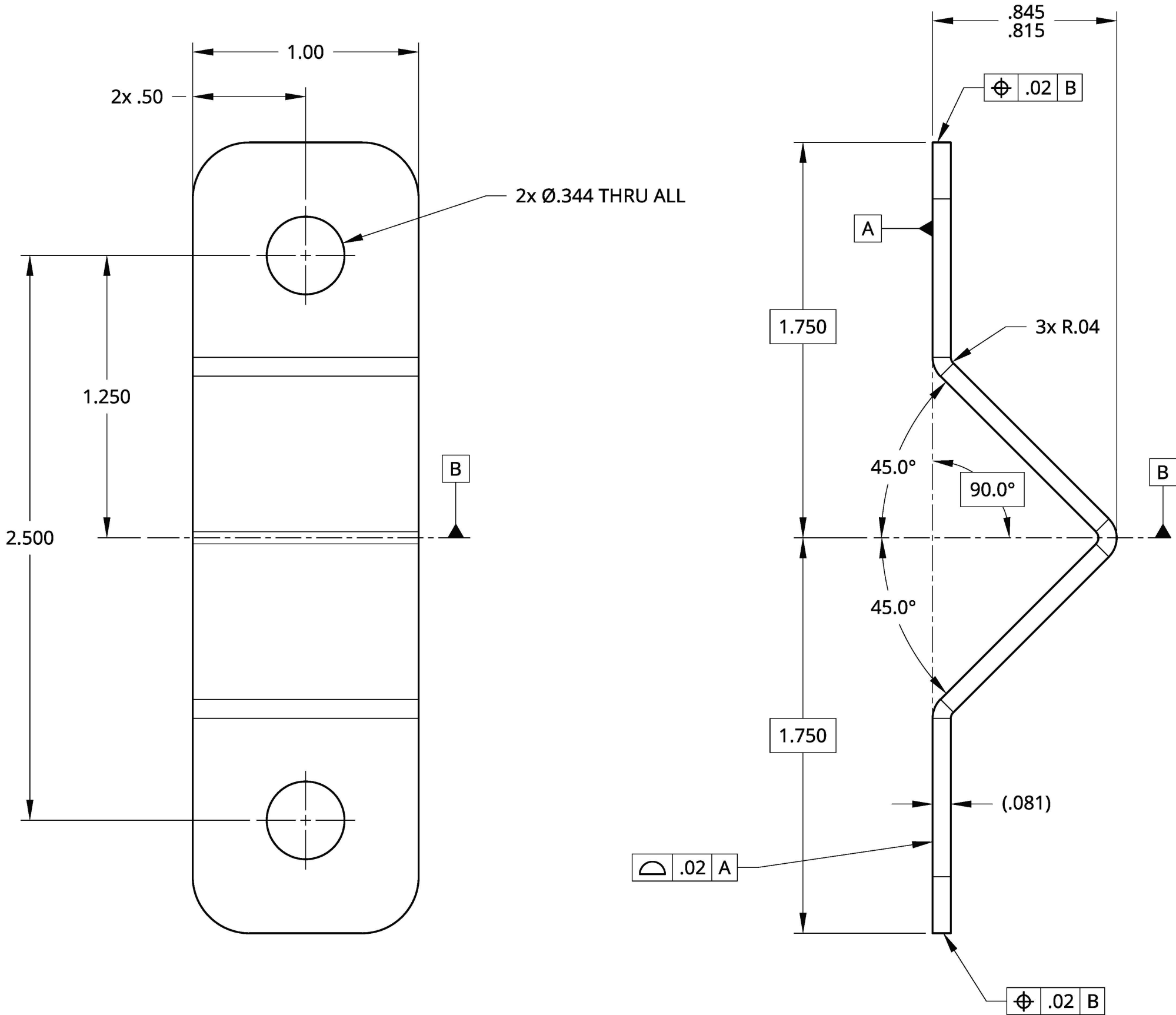
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 .XXX = ±.005	BEND	NAME	DATE		
	DRAWN	AV	08/07/2025		
	DO NOT SCALE DRAWING			TITLE	
BREAK ALL SHARP EDGES AND REMOVE BURRS	MATERIAL			OUTPOST SLOT SUPPORT	
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE	REV.
	12 GA (0.08081") 5052 ALUMINUM			C	
				SCALE	SHEET
				2:1	2 of 2

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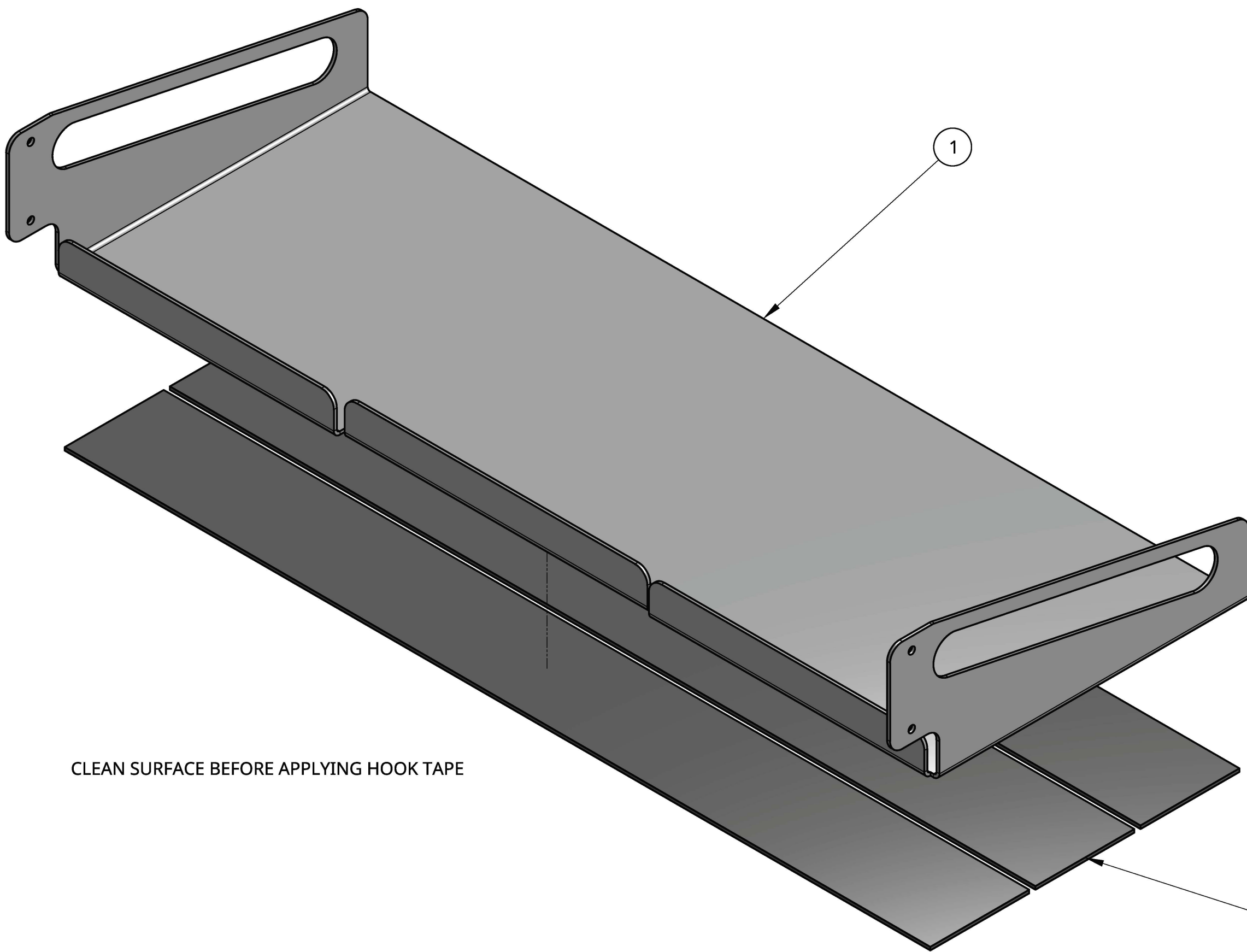
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CLEAN SURFACE BEFORE APPLYING HOOK TAPE



Item	Quantity	Part number	Description
1	1	GE-26008-01	Outpost Floor Support
2	3		Hook Tape, 4in Wide, 35in Long

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE		
	DRAWN	AV	08/07/2025		
DO NOT SCALE DRAWING	MATERIAL 				

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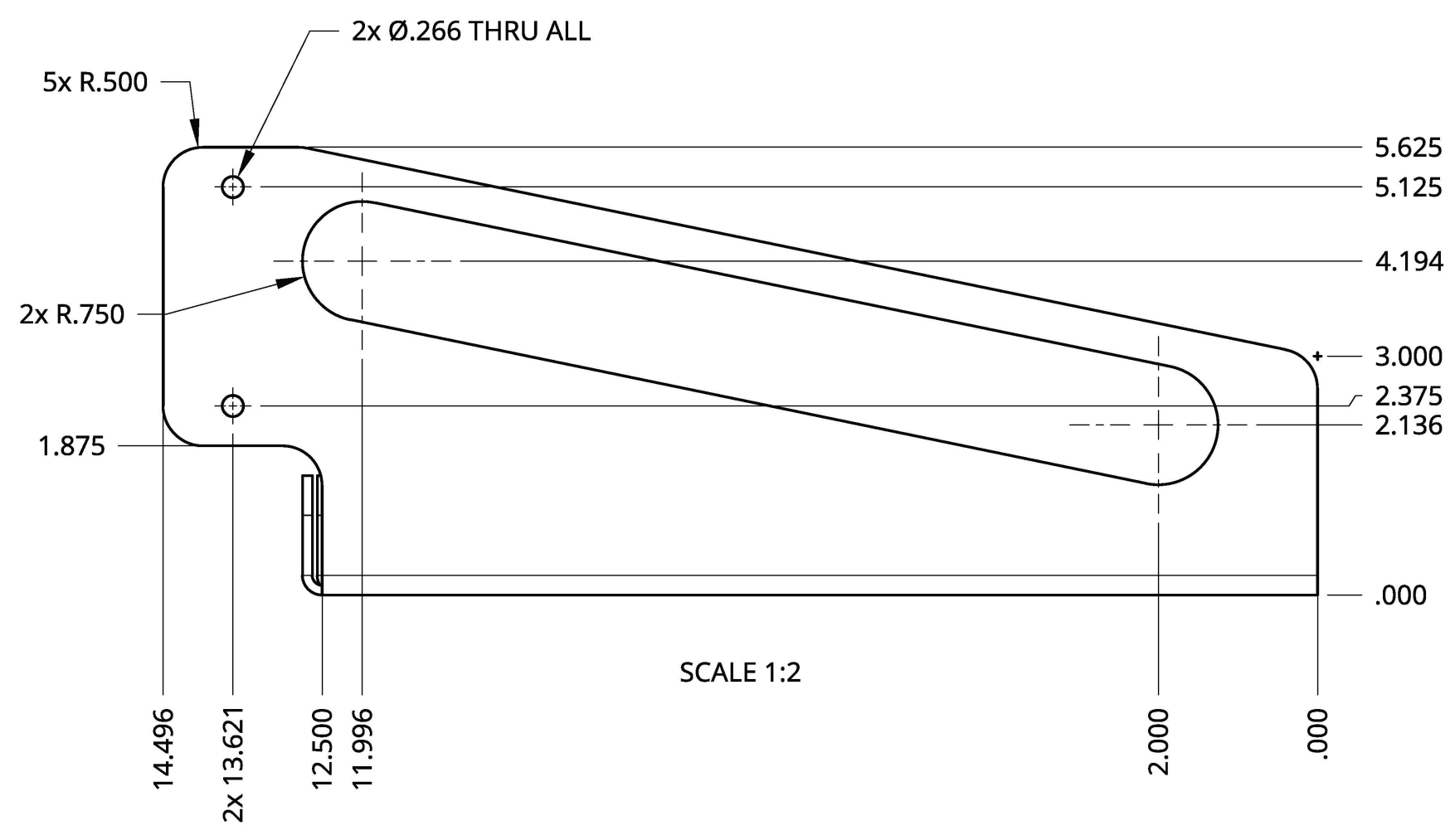
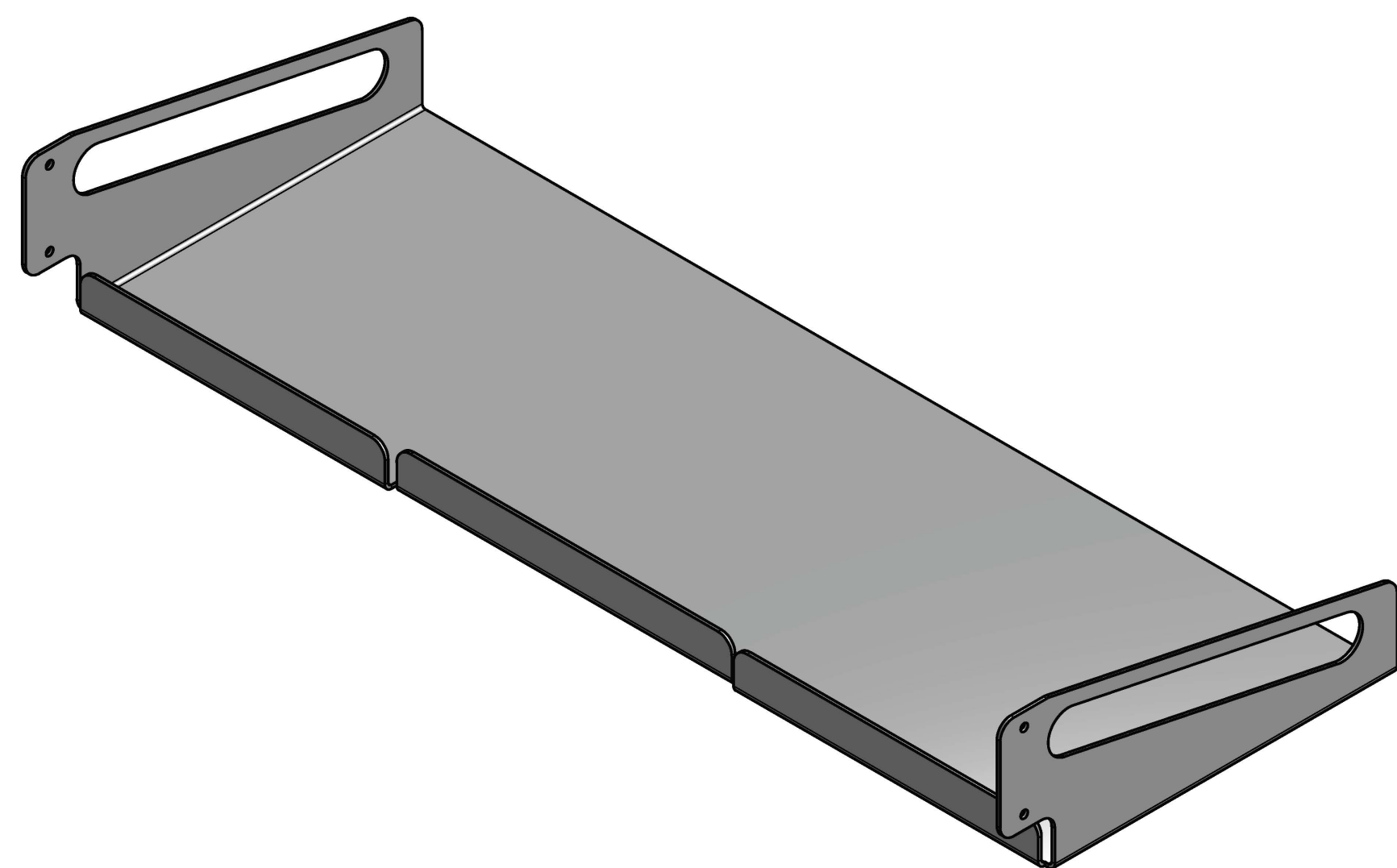
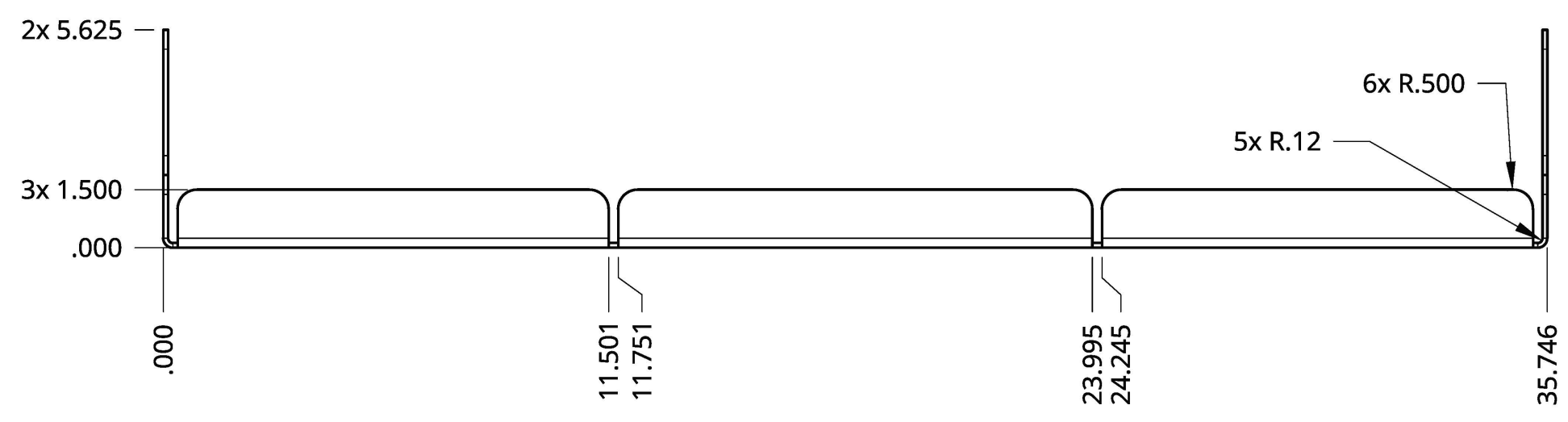
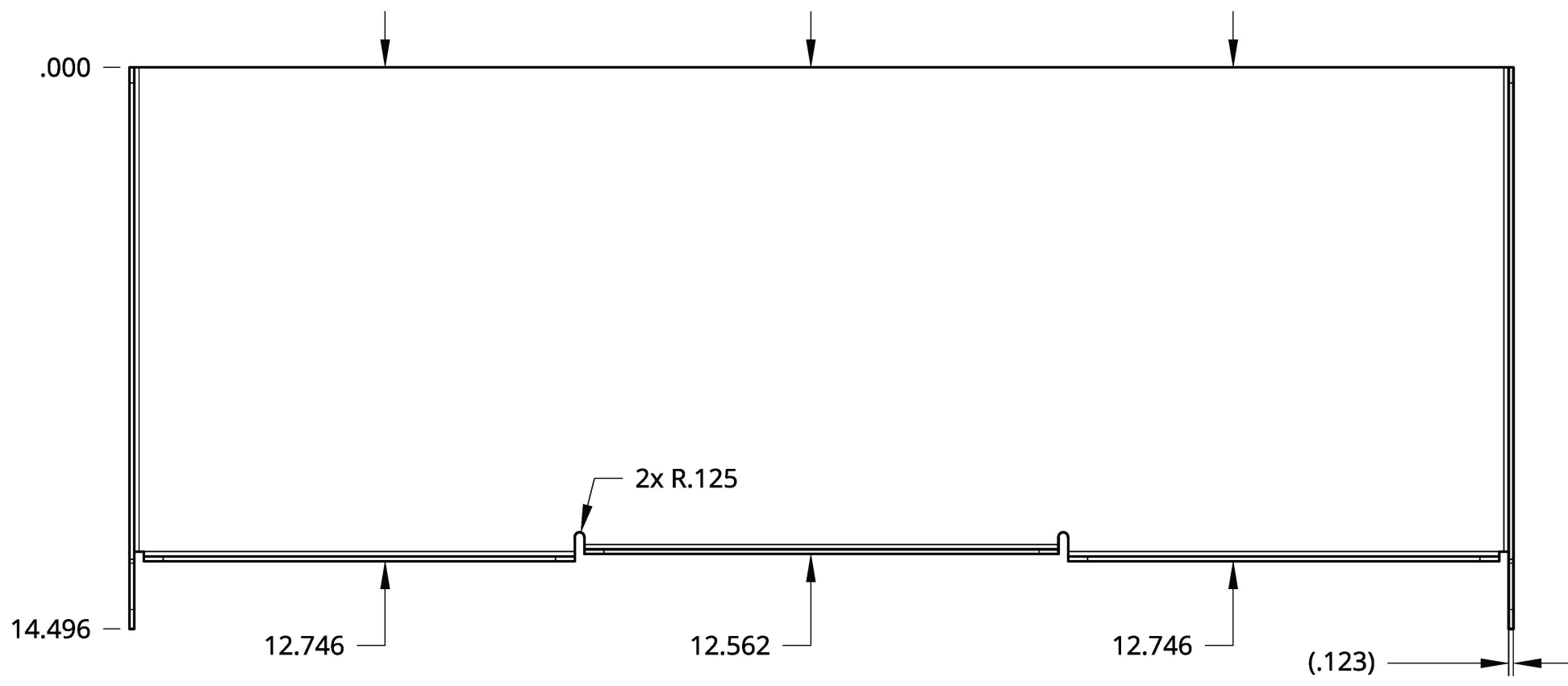
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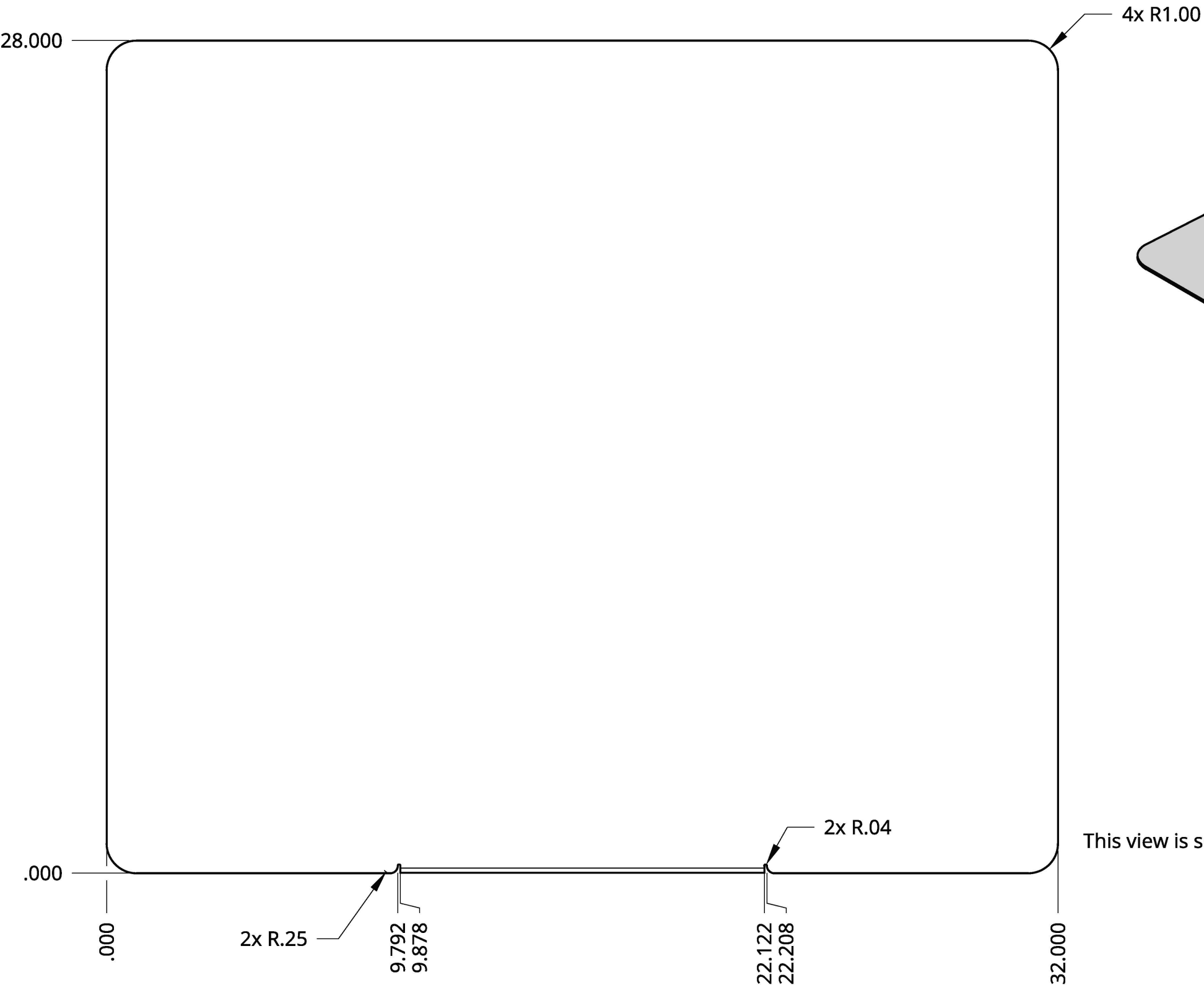
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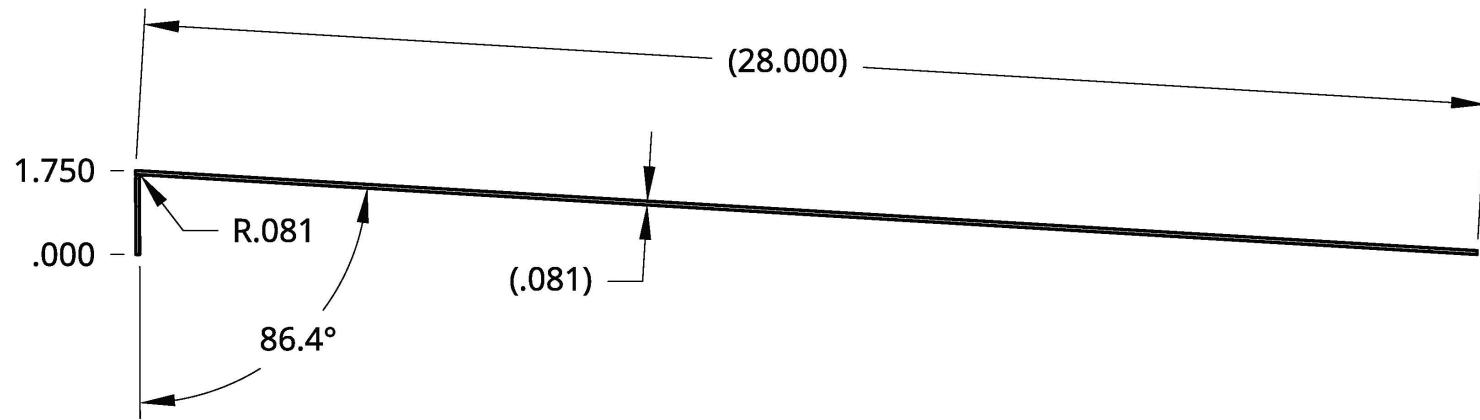
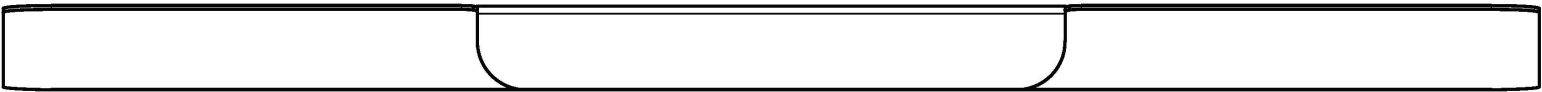
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 .XXX = ±.005	VEND	NAME	DATE		
	DRAWN	AV	08/07/2025		
	MATERIAL			TITLE	
DO NOT SCALE DRAWING	11 GAUGE (.1233") GALVANIZED STEEL			OUTPOST FLOOR SUPPORT	
BREAK ALL SHARP EDGES AND REMOVE BURRS				SIZE C	REV.
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				DWG NO. GE-26008-01	
	SCALE 1:4			SHEET 2 of 2	



This view is square to the top face



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	BEND	NAME	DATE		
	DRAWN	AV	09/02/2025		
DO NOT SCALE DRAWING	MATERIAL 12 GA (0.08081") 5052 ALUMINUM			TITLE	
BREAK ALL SHARP EDGES AND REMOVE BURRS				OUTPOST EXCHANGE RAMP	
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE	DWG NO.
				C	GE-26009
				SCALE	1:4
				SHEET	1 of 1

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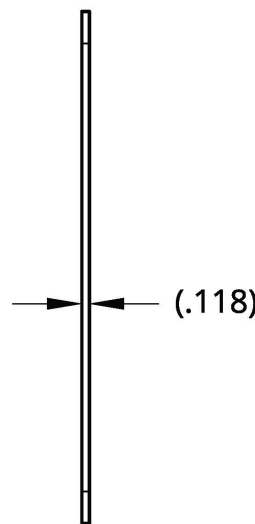
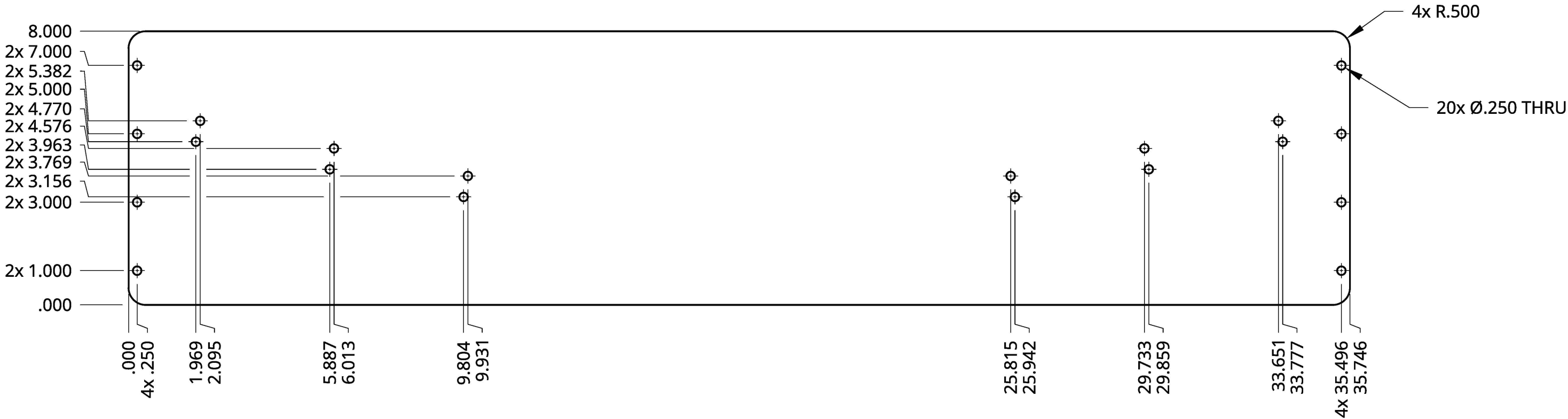
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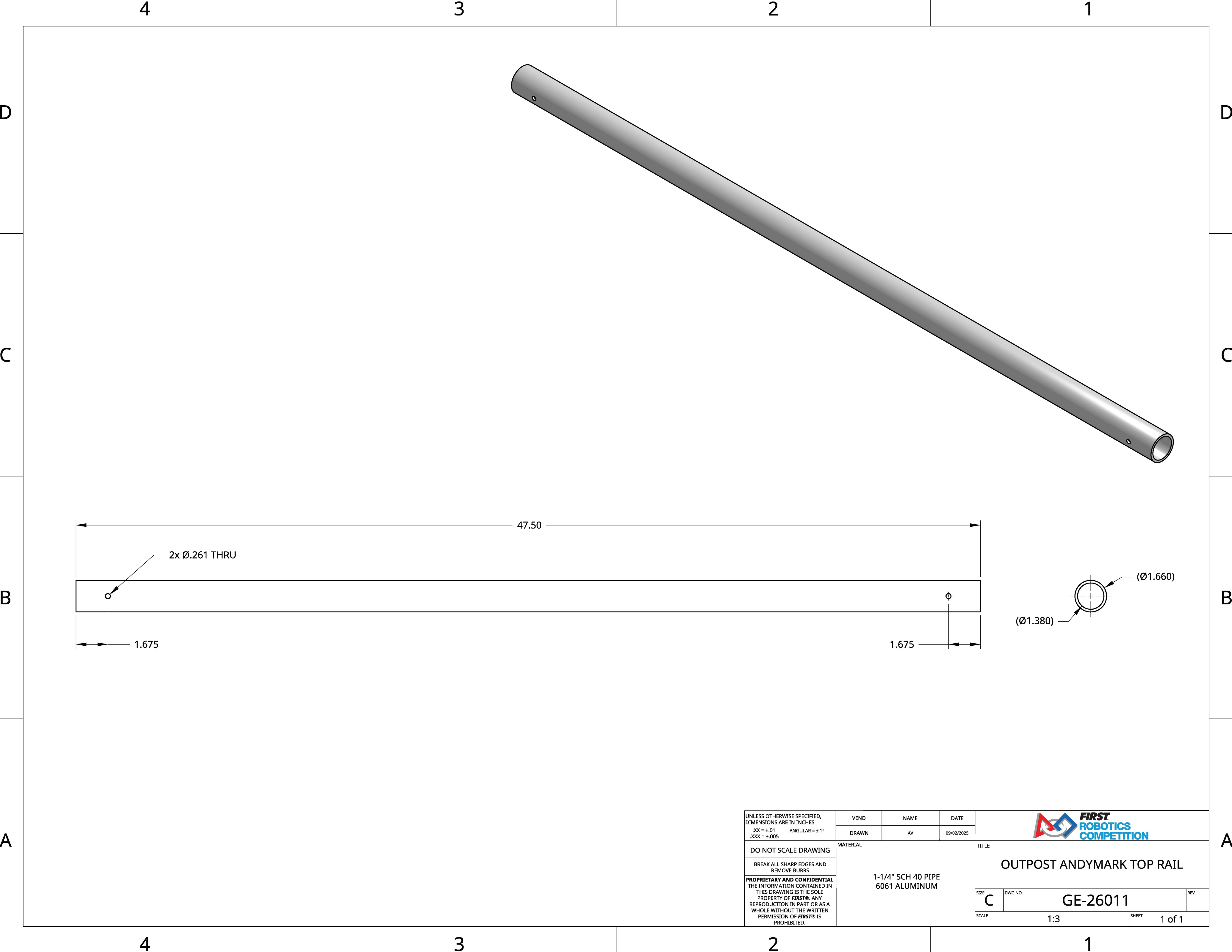
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES . XX = ±.01 ANGULAR = ± 1° . XXX = ±.005	VEND	NAME	DATE		
	DRAWN	AV	08/08/2025		
DO NOT SCALE DRAWING	MATERIAL 1/8" POLYCARBONATE, CLEAR			TITLE	
BREAK ALL SHARP EDGES AND REMOVE BURRS				OUTPOST EXCHANGE BORDER	
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE	DWG NO.
				C	GE-26010
				SCALE	1:3
			SHEET	1 of 1	



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE			
	DRAWN	AV	09/02/2025			
DO NOT SCALE DRAWING	MATERIAL 1-1/4" SCH 40 PIPE 6061 ALUMINUM			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				OUTPOST ANDYMARK TOP RAIL		
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE	DWG NO.	REV.
				C	GE-26011	
	SCALE	1:3	SHEET	1 of 1		

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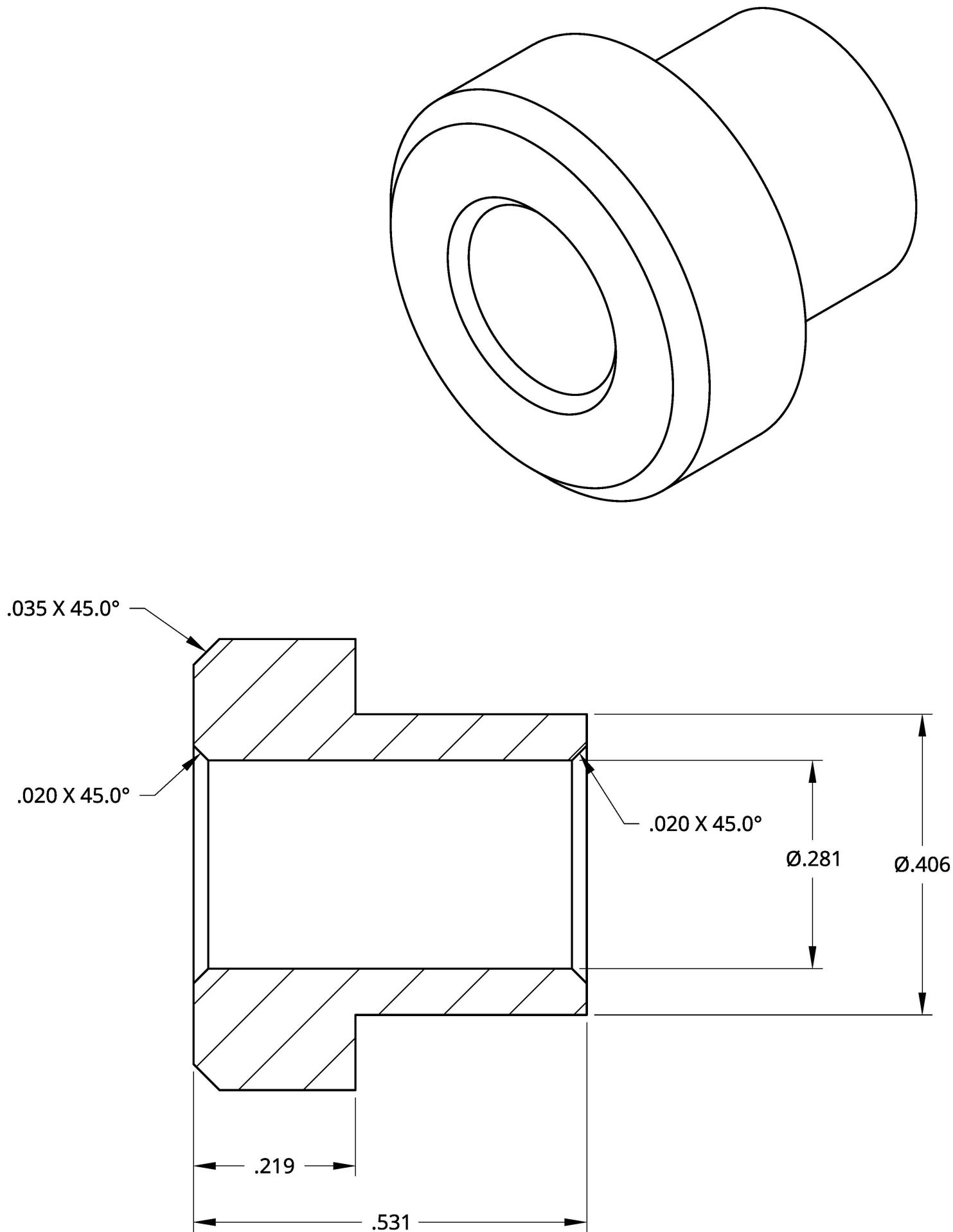
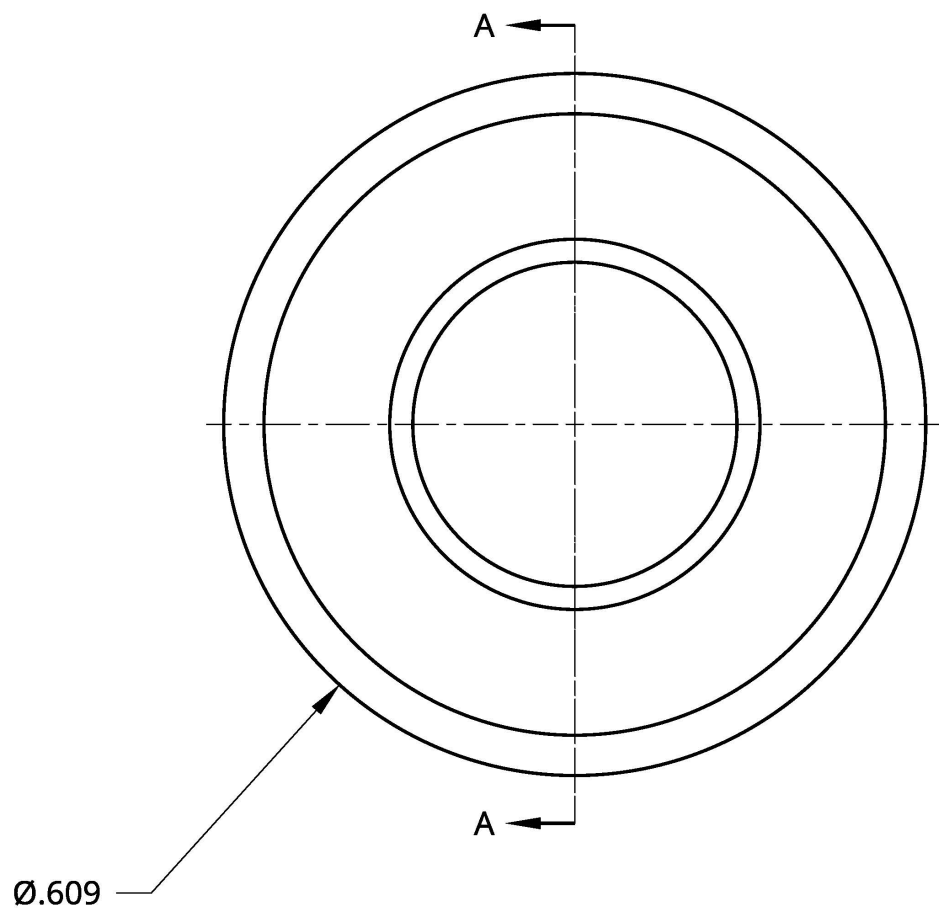
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SECTION A - A

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE		
	DRAWN	DF	11/25/2025		
DO NOT SCALE DRAWING	MATERIAL <				

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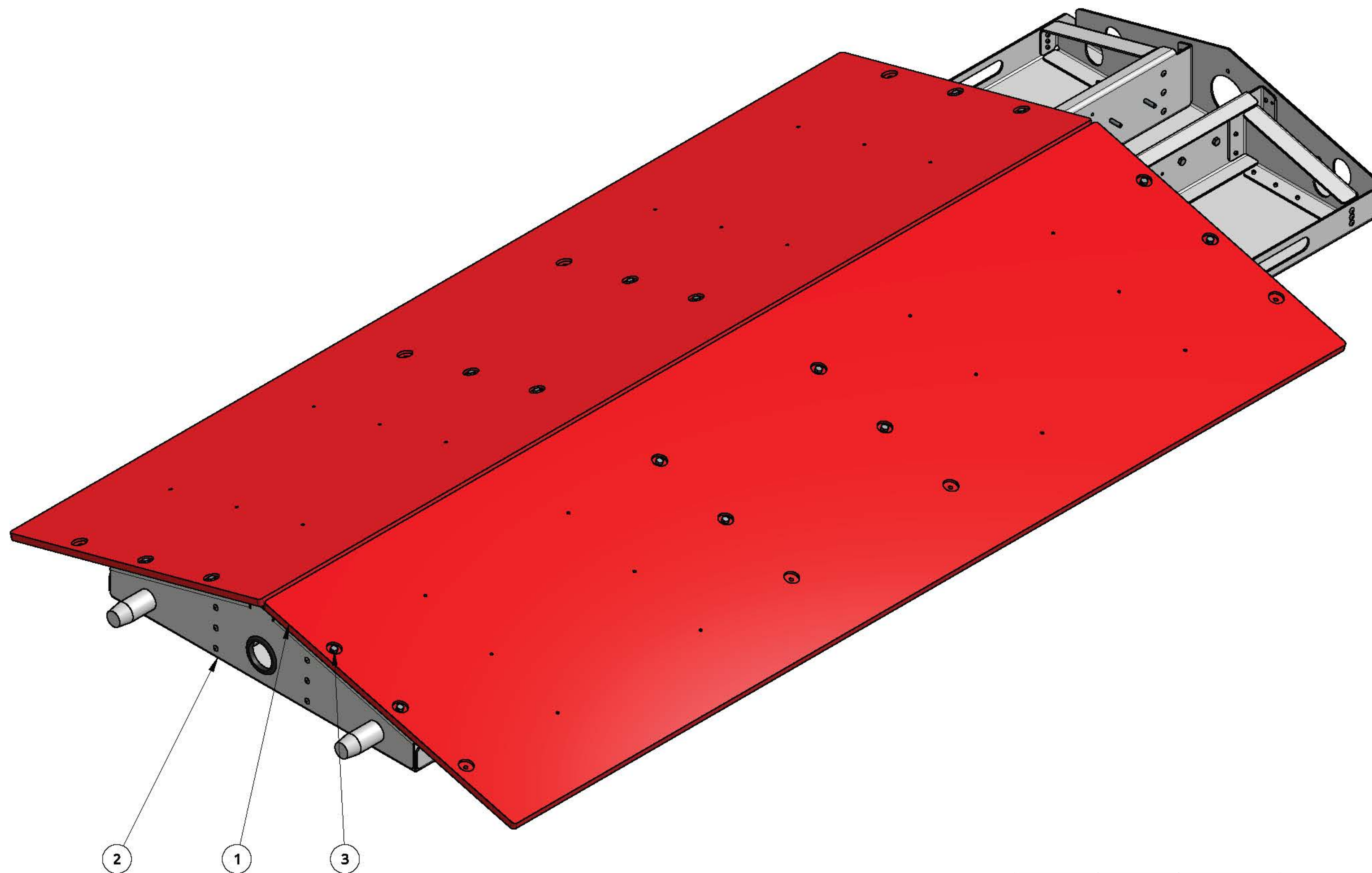
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Item	Quantity	Part number	Description
1	2	GE-26101	Bump Plastic
2	2	GE-26102	Bump Base Assy
3	22		Hex bolt 1/4-20 x 1 Steel Zinc Plated

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES
XX = ±1.00 ANGULAR = ± 5°
XXX = ±0.250
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FIELD	NAME	DATE
DRAWN	CD	12/10/2025
MATERIAL		

		
TITLE		
BUMP		
SIZE	DWG NO.	REV.
C	GE-26100	
SCALE	1:5	SHEET 1 of 2

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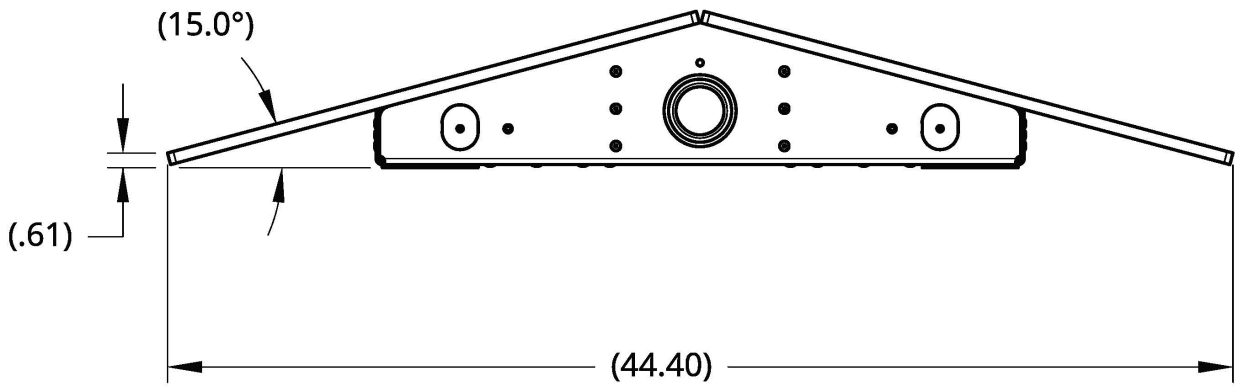
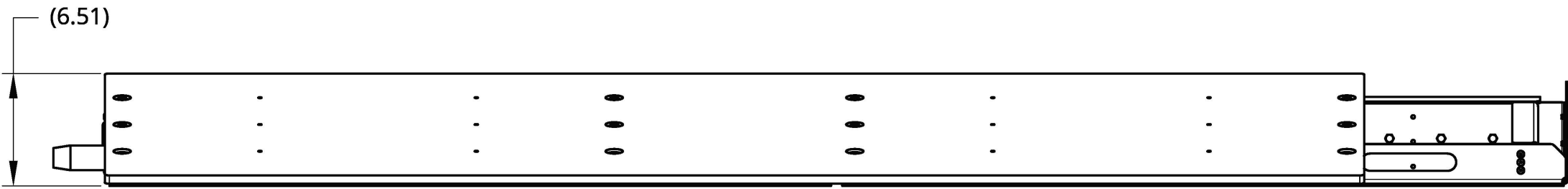
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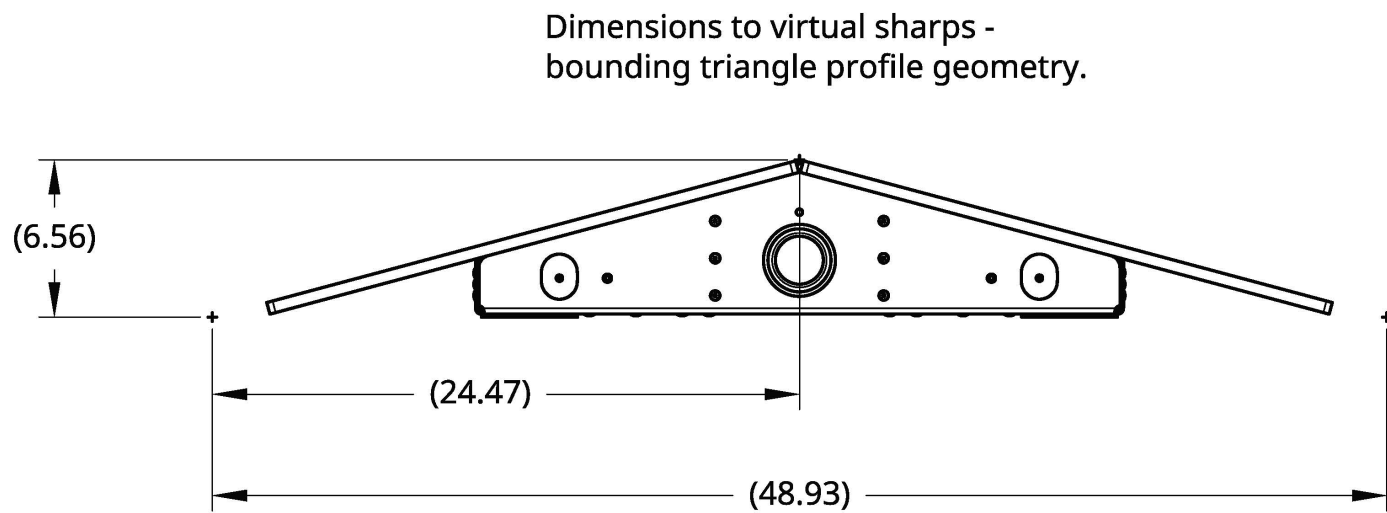


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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±1.00 ANGULAR = ± 5° .XXX = ±0.250	FIELD	NAME	DATE		
	DRAWN	CO	12/10/2025		
DO NOT SCALE DRAWING	MATERIAL			TITLE 	

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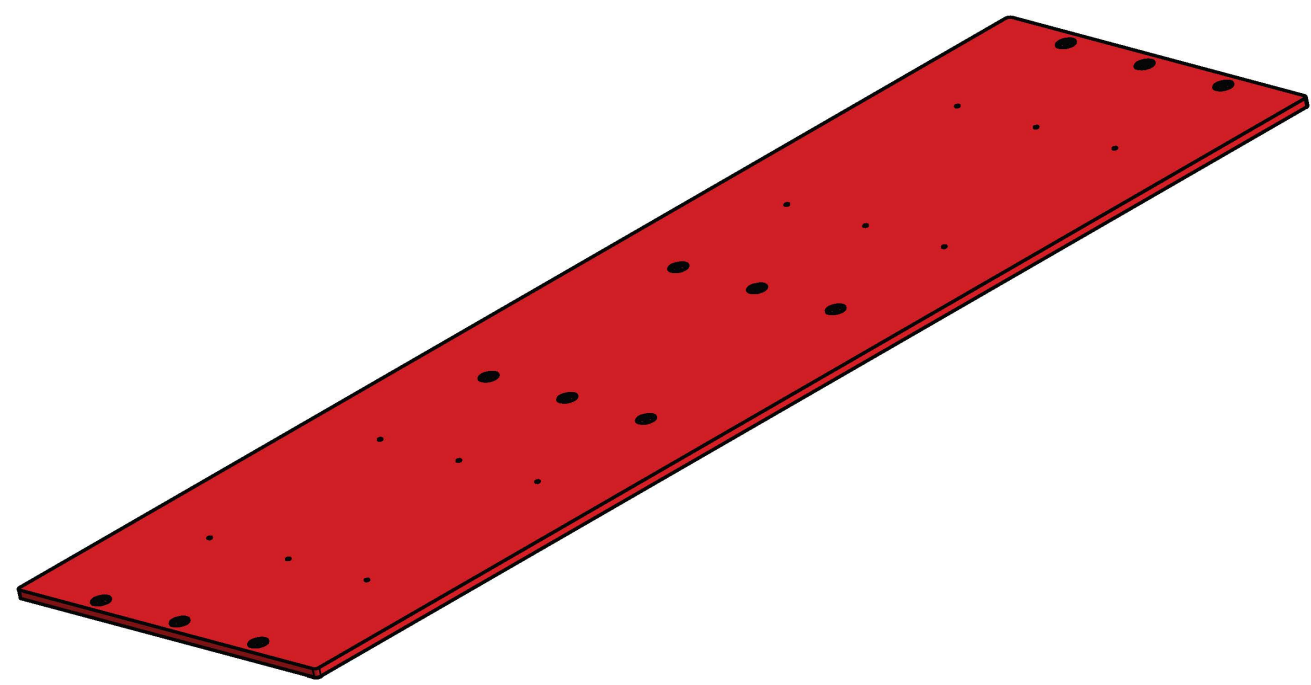
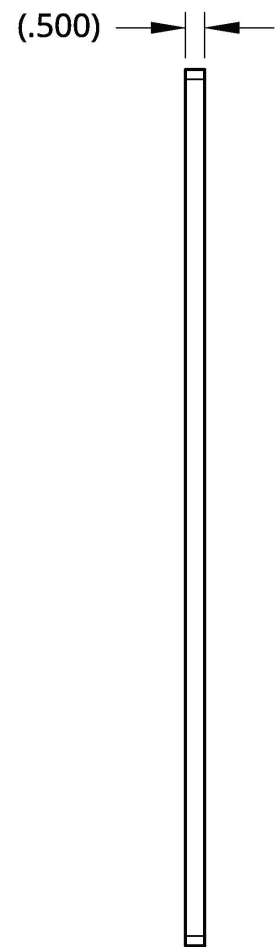
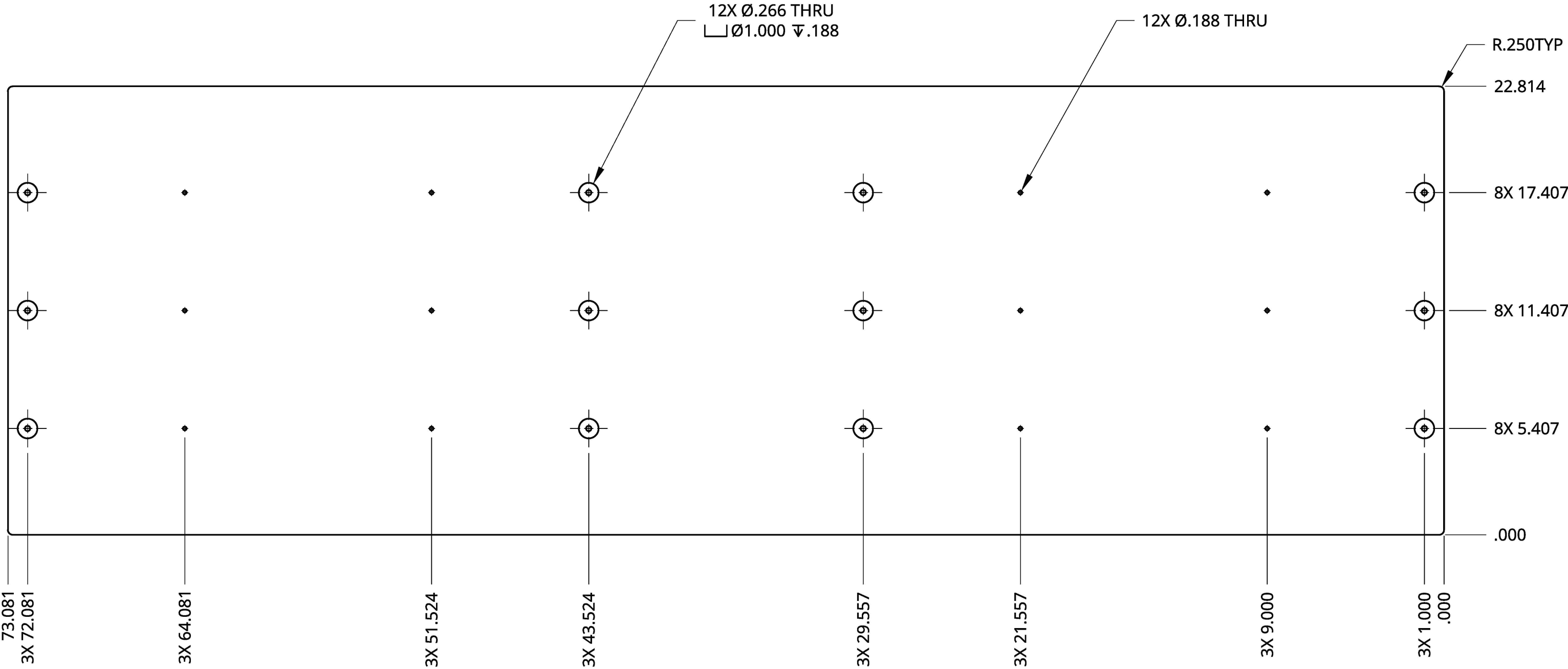
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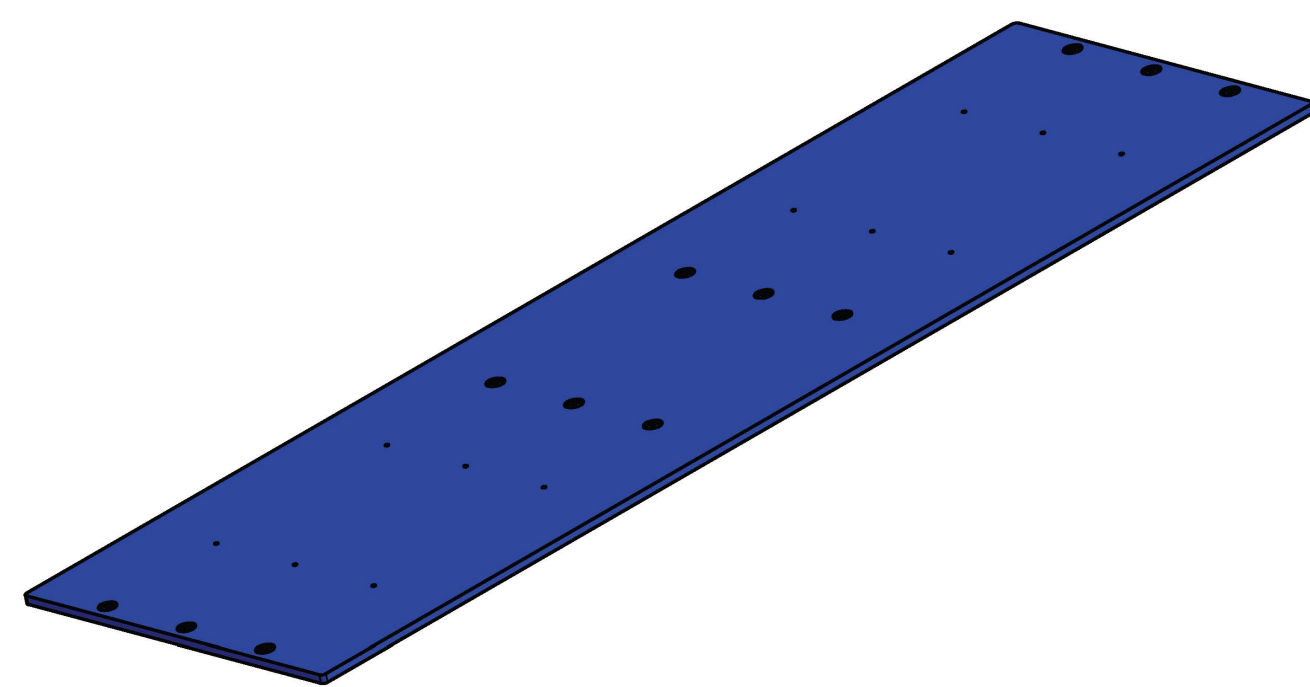
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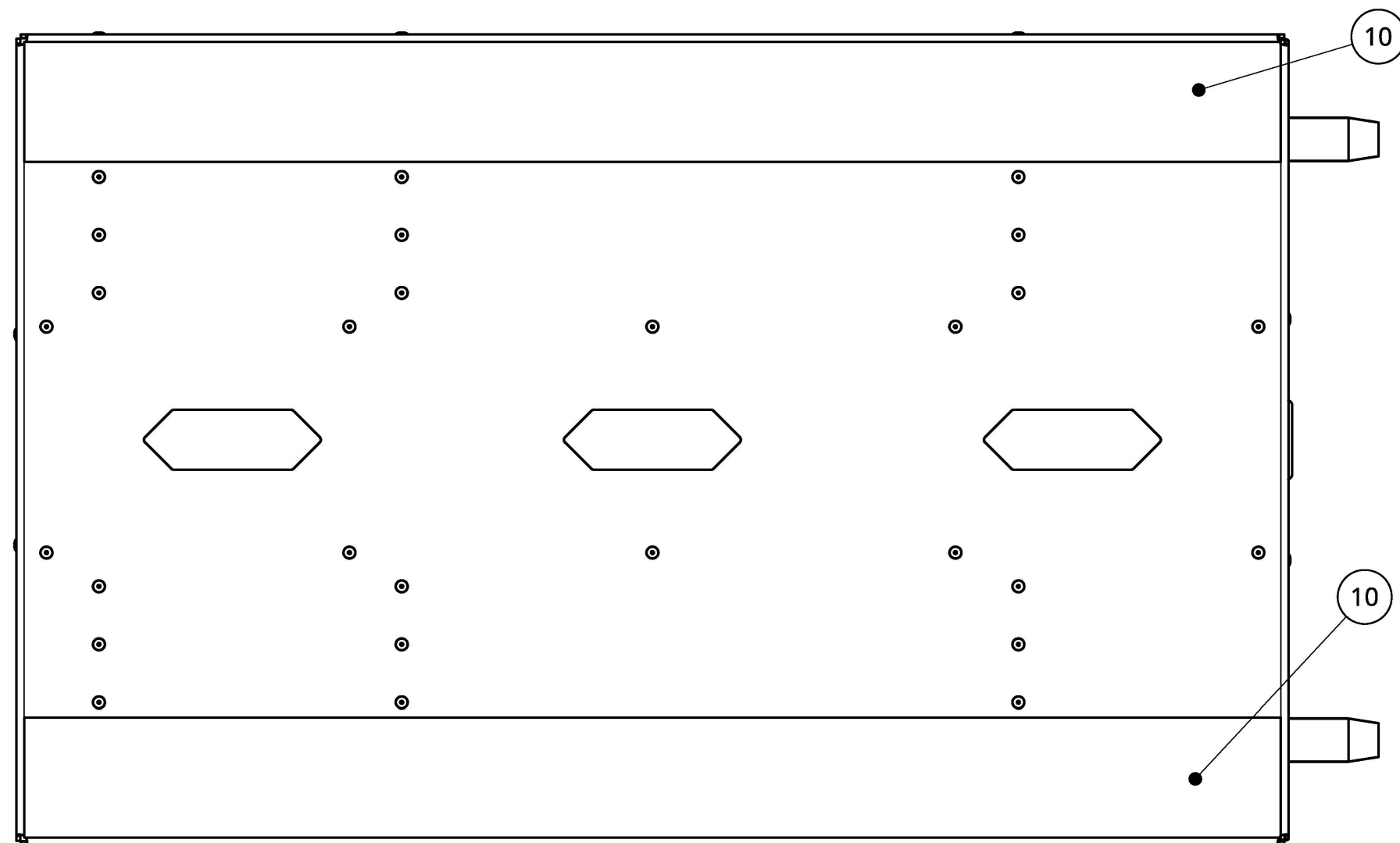
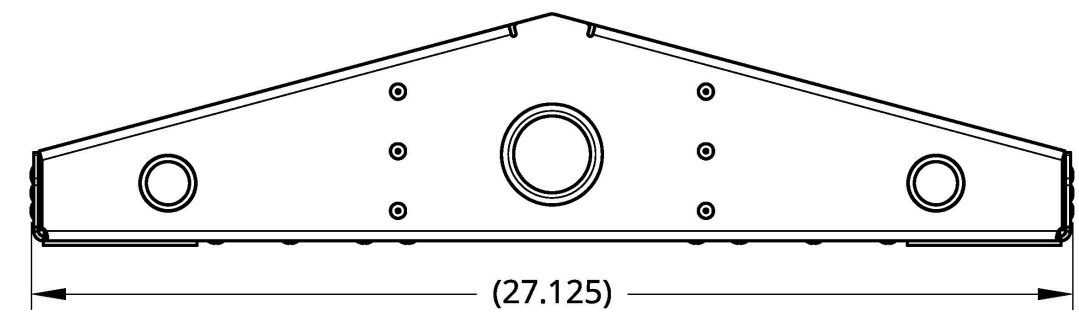
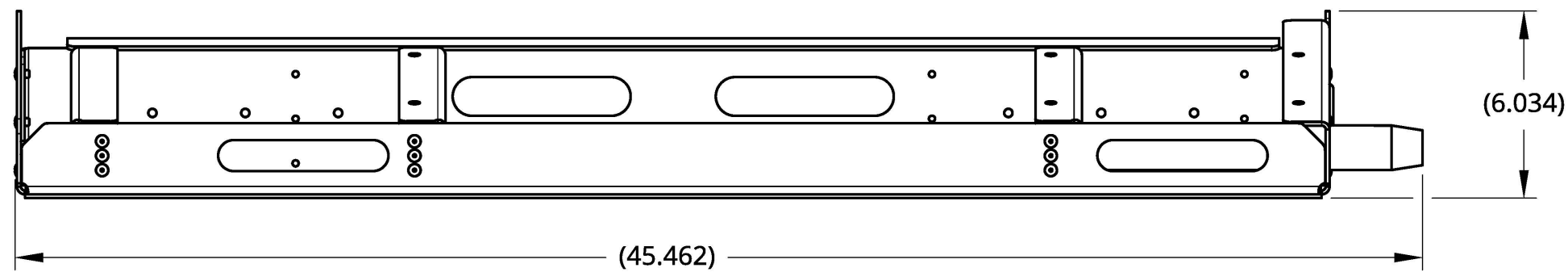
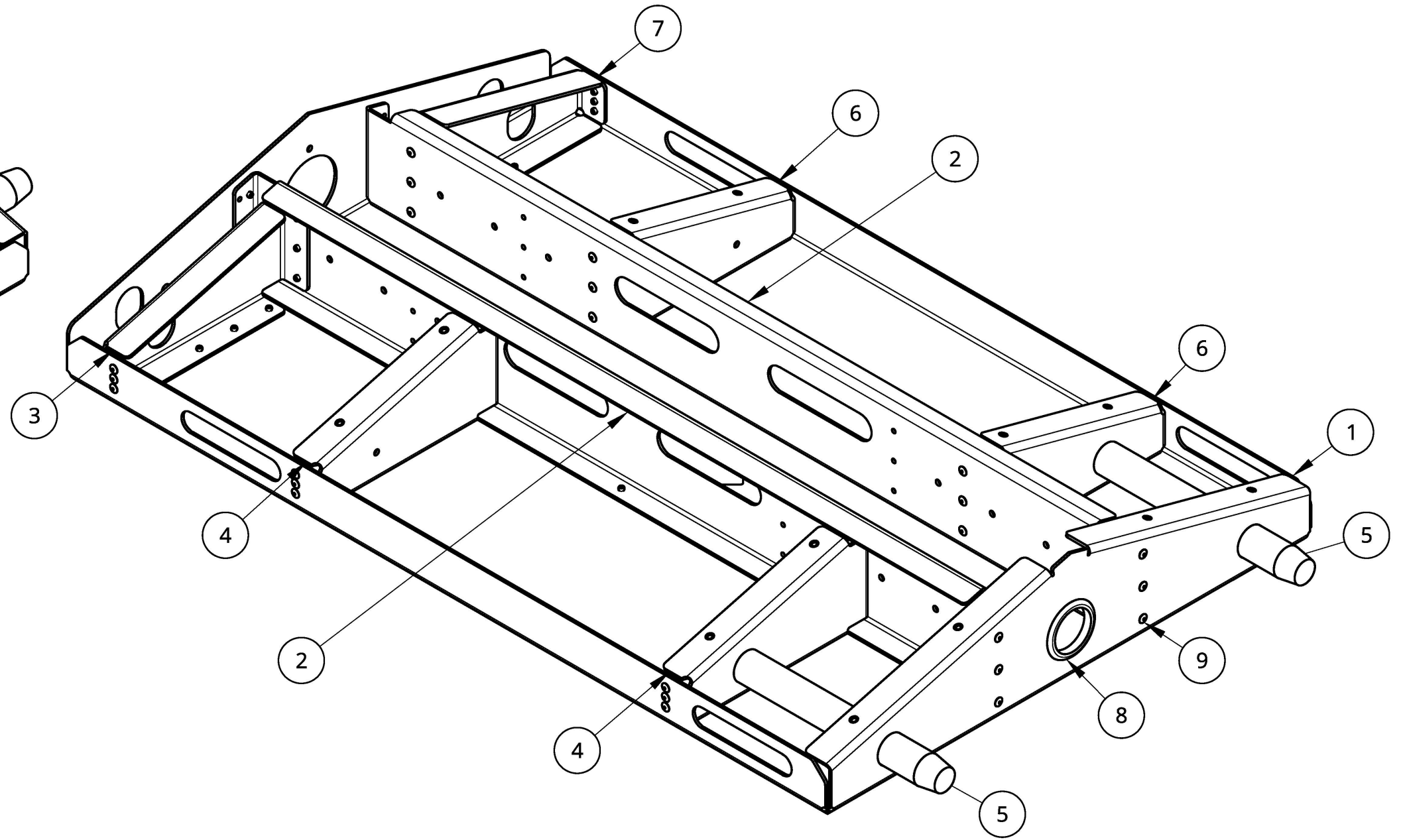
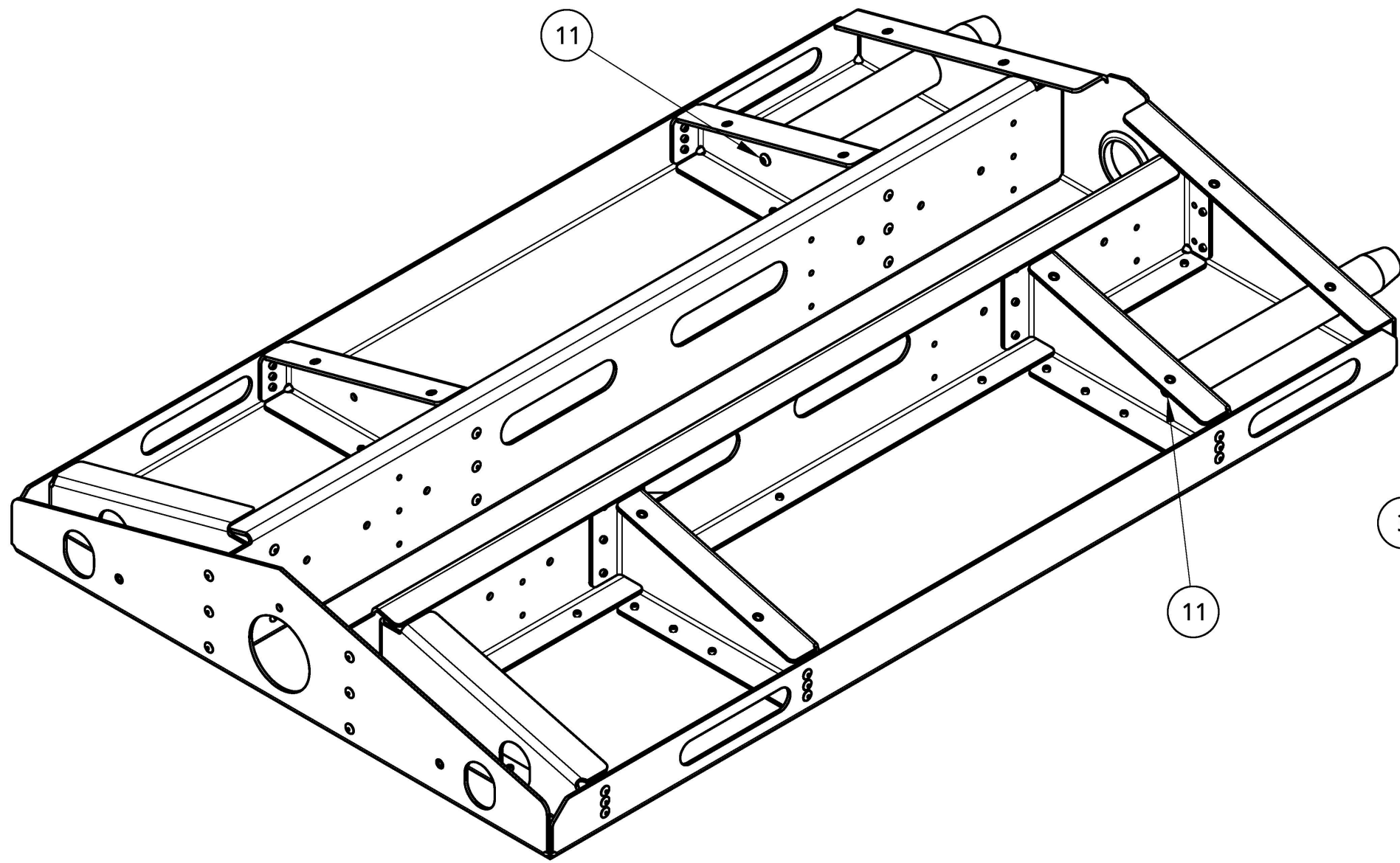


GE-26101-RED



GE-26101-BLUE

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	DRAWN	JO	09/19/2025		
	DO NOT SCALE DRAWING			TITLE	
BREAK ALL SHARP EDGES AND REMOVE BURRS	MATERIAL 1/2" HDPE, MATTE FINISH (ORANGE PEEL TEXTURE)			BUMP PLASTIC	
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE C	REV.
				SCALE 1:5	SHEET 1 of 1



Item	Quantity	Part number	Description
1	1	GE-26103	Bump Body Assy
2	2	GE-26104	Bump Center Rib
3	1	GE-26105	Bump Socket Bulkhead, LH
4	2	GE-26106	Bump Mounting Bulkhead Assy, LH
5	2	GE-26107	Bump Pin
6	2	GE-26108	Bump Mounting Bulkhead Assy, RH
7	1	GE-26109	Bump Socket Bulkhead, RH
8	1	McMaster 9600K127	Grommet
9	76	3/16in Rivet, 0.126-0.250in Grip Length	3/16in Rivet, 0.126-0.250in Grip Length
10	2	4in Wide Hook Tape	41.875in Long
11	2		Socket button head cap screw 1/4-20 x 0.5 Hardened Alloy Steel Black Oxide

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DIMENSIONS ARE IN INCHES
.XX = ±.01 ANGULAR = ± 1°
.XXX = ±.005

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VEND	NAME	DATE
DRAWN	JO	09/19/2025

MATERIAL



BUMP BASE ASSY

SIZE C	DWG NO. GE-26102	REV.
SCALE 1:5	SHEET 1 of 1	

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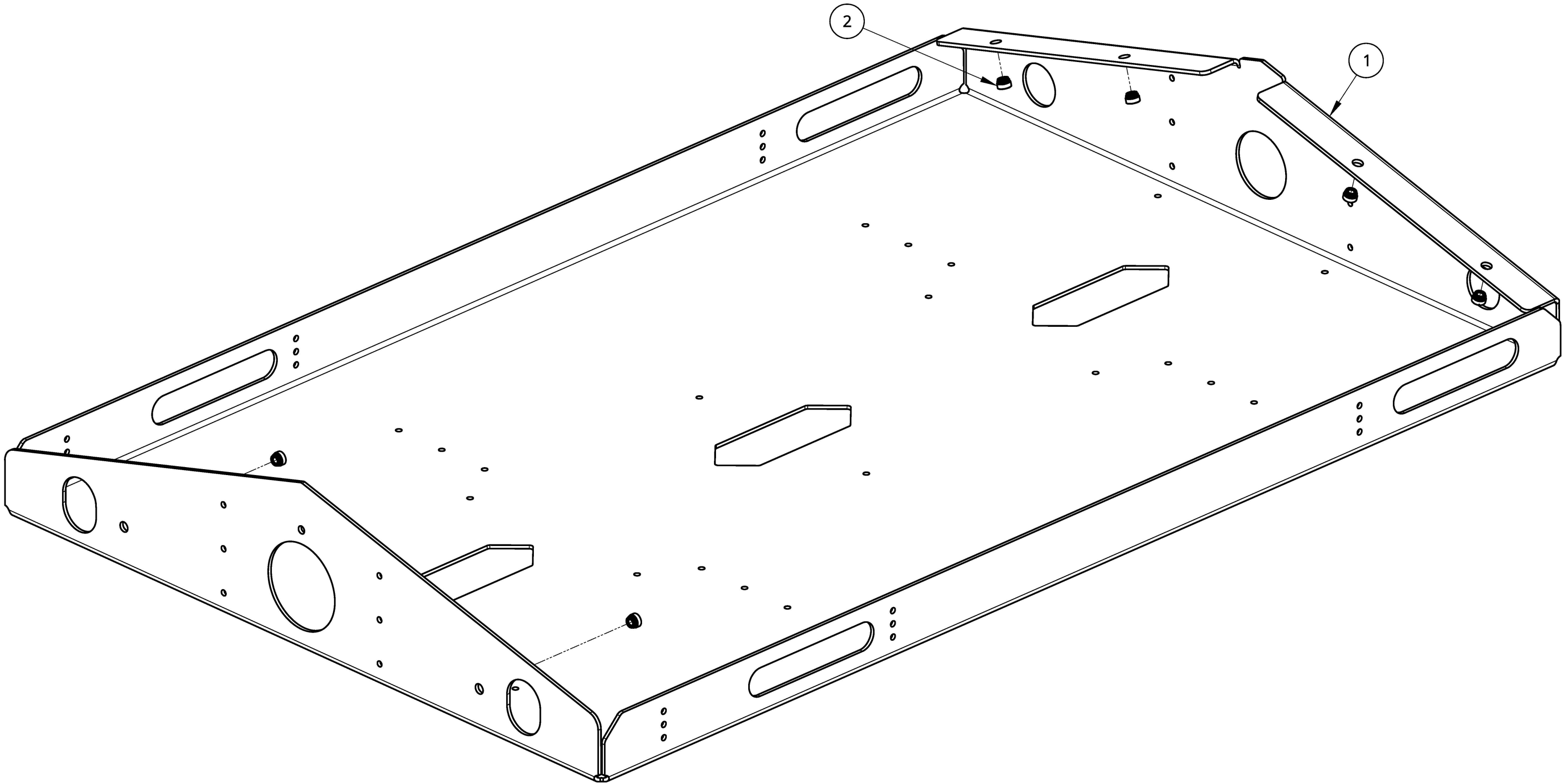
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UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES
.XX = ±.01 ANGULAR = ± 1°
.XXX = ±.005

DO NOT SCALE DRAWING

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Item	Quantity	Part number	Description
1	1	GE-26103-01	Bump Body
2	6		PEM S-0420-3 ZI Carbon Steel Zinc plated

VEND	NAME	DATE			
DRAWN	JO	09/19/2025			
MATERIAL			TITLE		
			BUMP BODY ASSY		
SIZE	DWG NO.		REV.		
C	GE-26103				
SCALE	1:3		SHEET	1 of 3	

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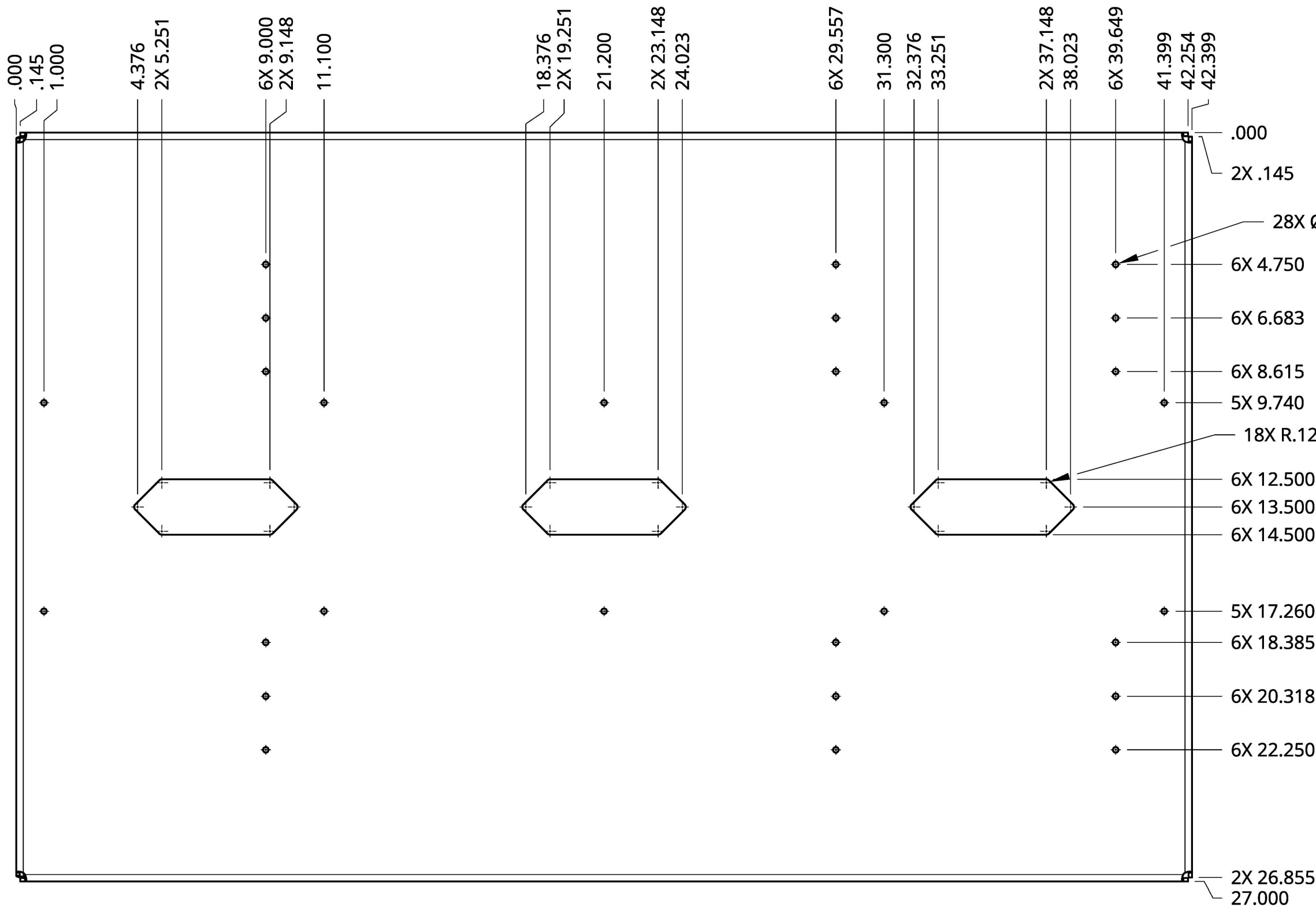
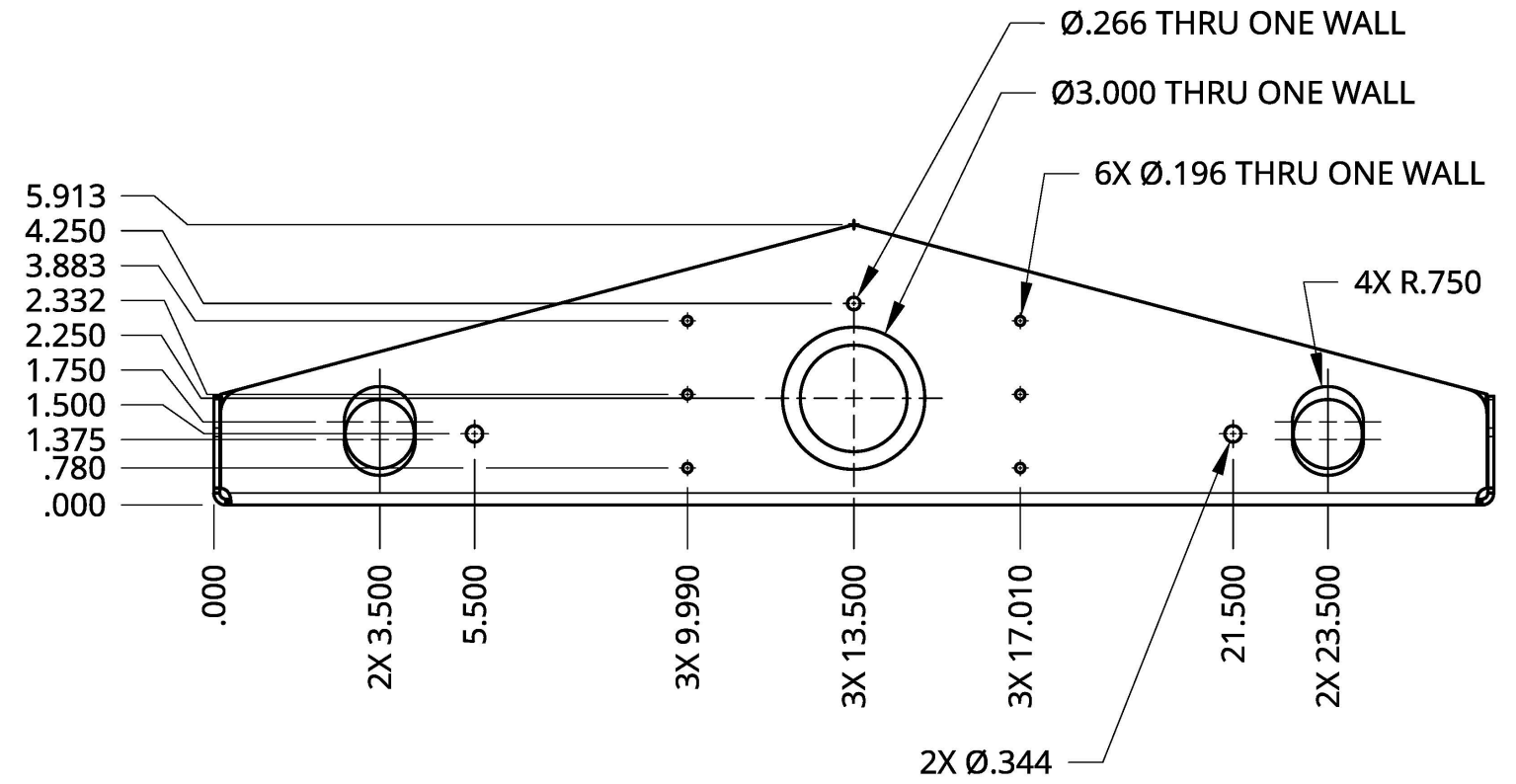
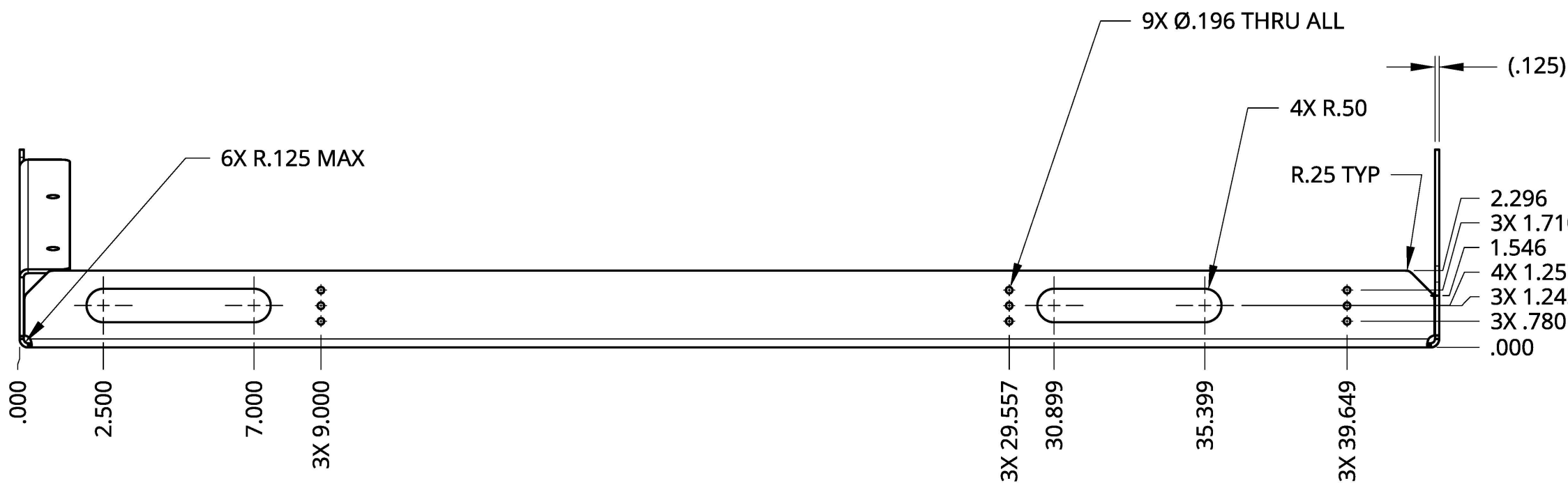
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UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES
.XX = ±.01 ANGULAR = ± 1°
.XXX = ±.005

DO NOT SCALE DRAWING

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REMOVE BURRS

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BEND	NAME	DATE
DRAWN	JO	09/19/2025

MATERIAL
1/8" 5052
ALUMINUM

		
TITLE BUMP BODY		
SIZE C	DWG NO. GE-26103-01	REV.
SCALE 1:4		SHEET 2 of 3

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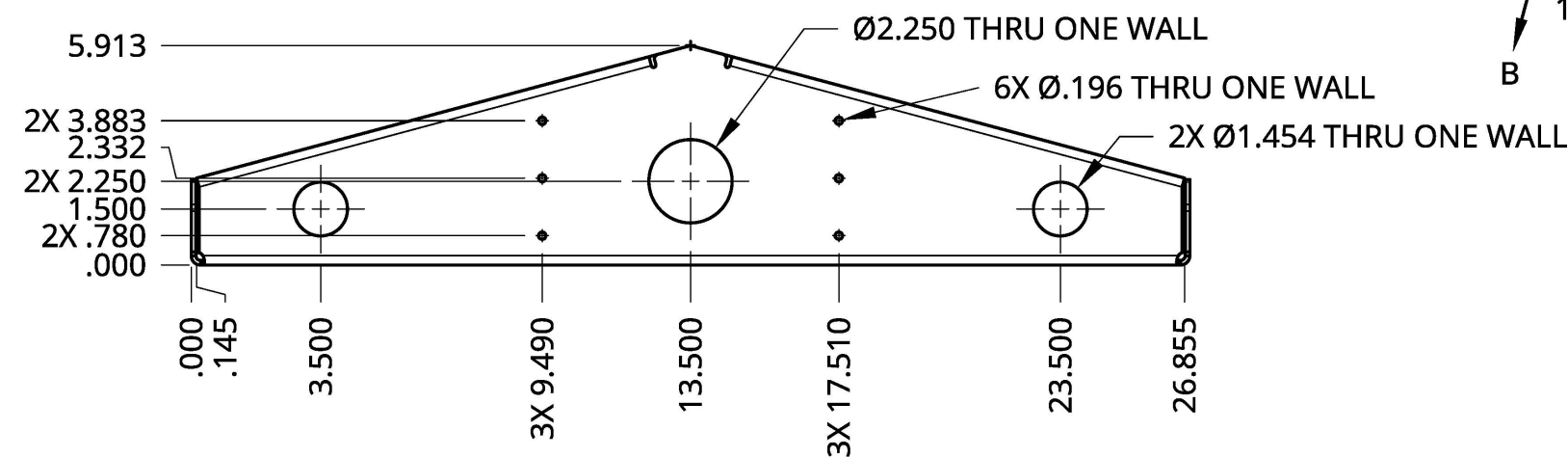
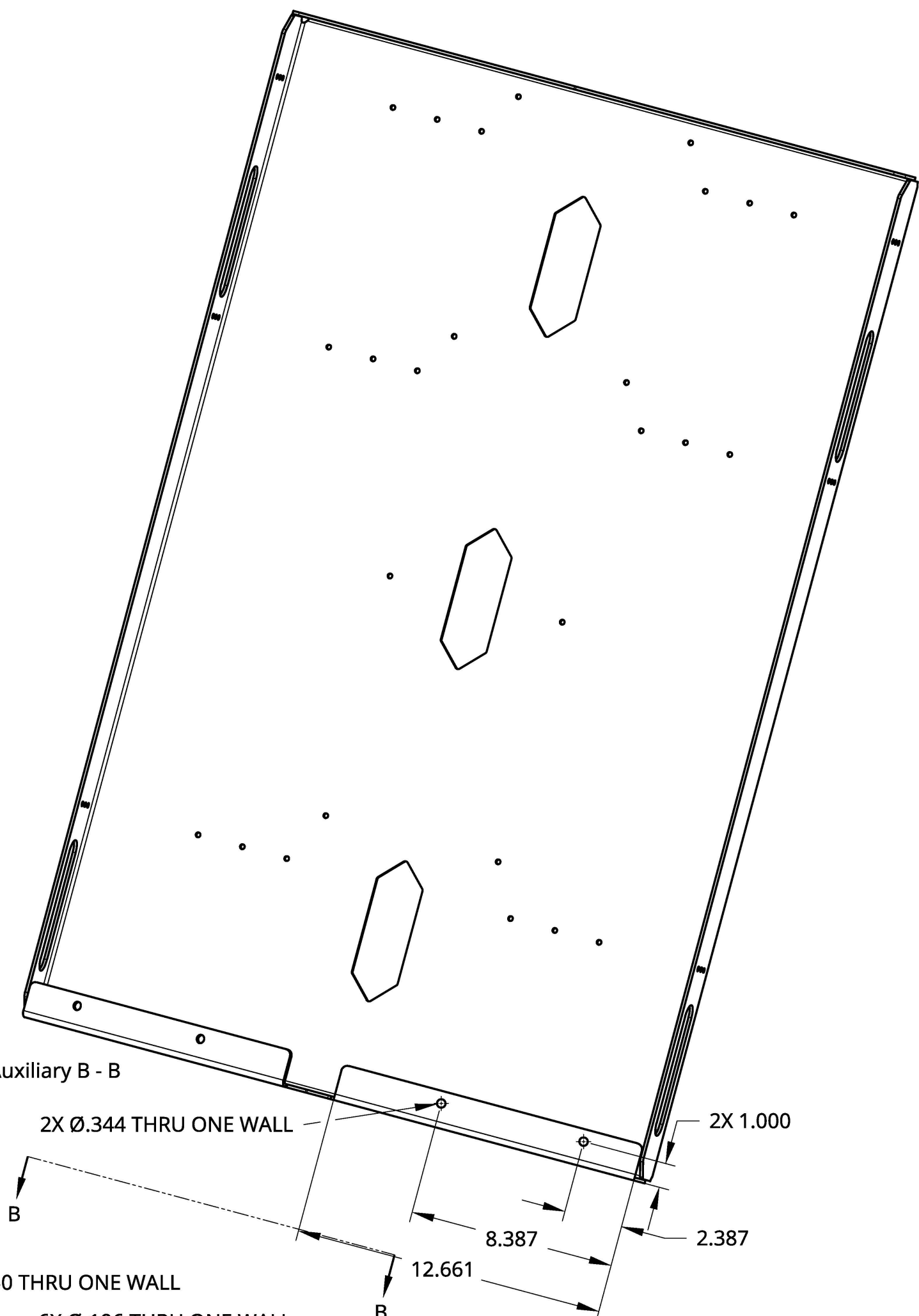
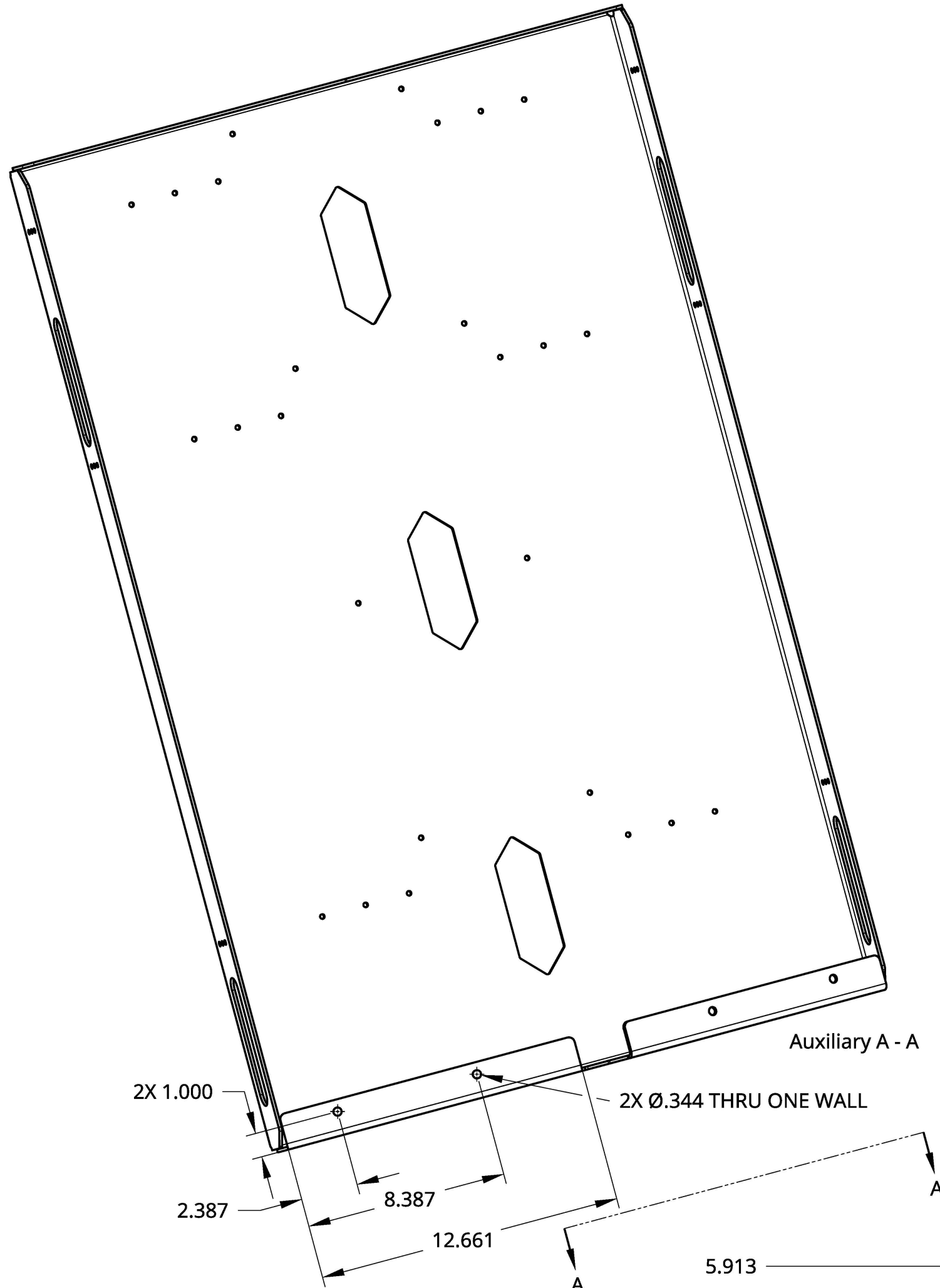
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE		
	DRAWN	JO	09/19/2025		
DO NOT SCALE DRAWING	MATERIAL 1/8" 5052 ALUMINUM			TITLE	
BREAK ALL SHARP EDGES AND REMOVE BURRS				BUMP BODY	
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST® . ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE C DWG NO. GE-26103-01 REV.	
				SCALE 1:5 SHEET 3 of 3	

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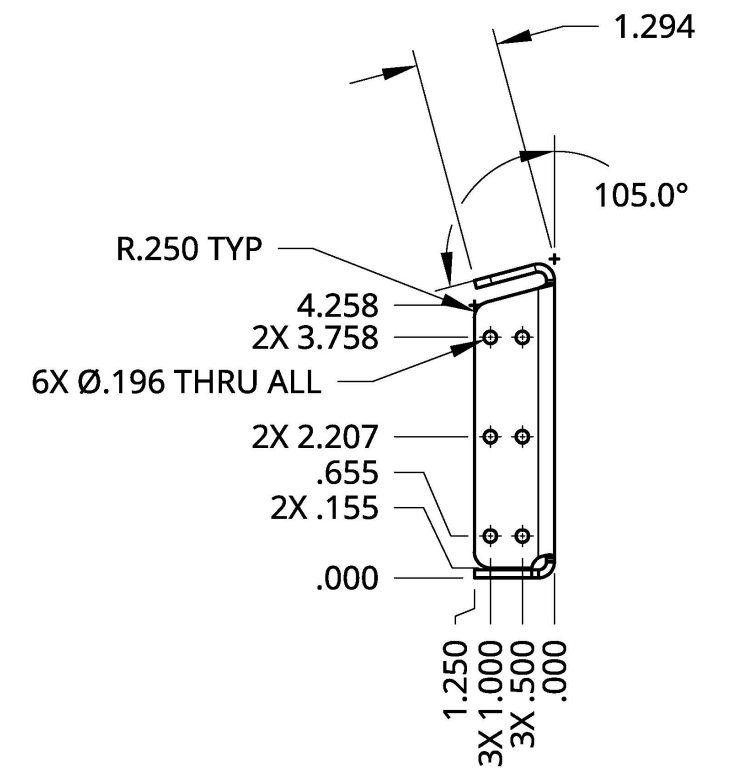
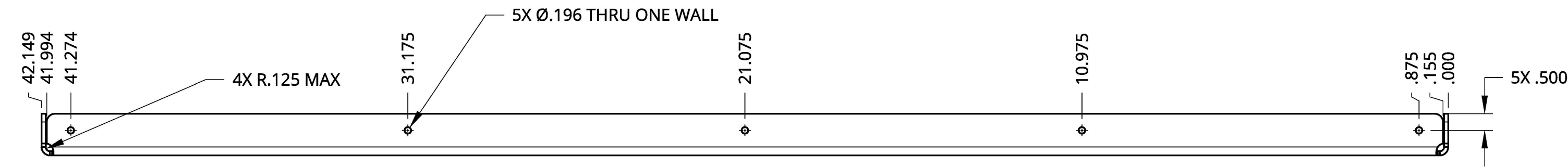
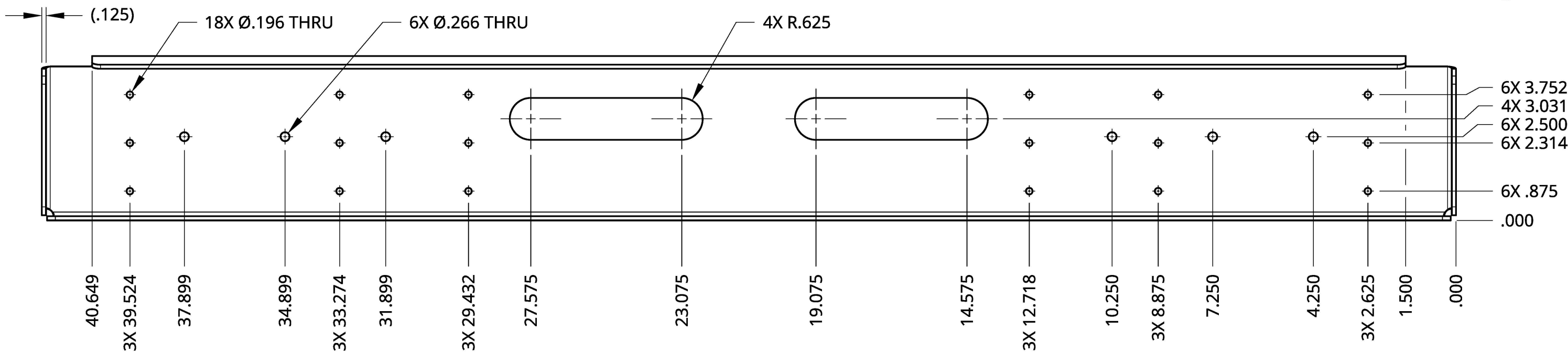
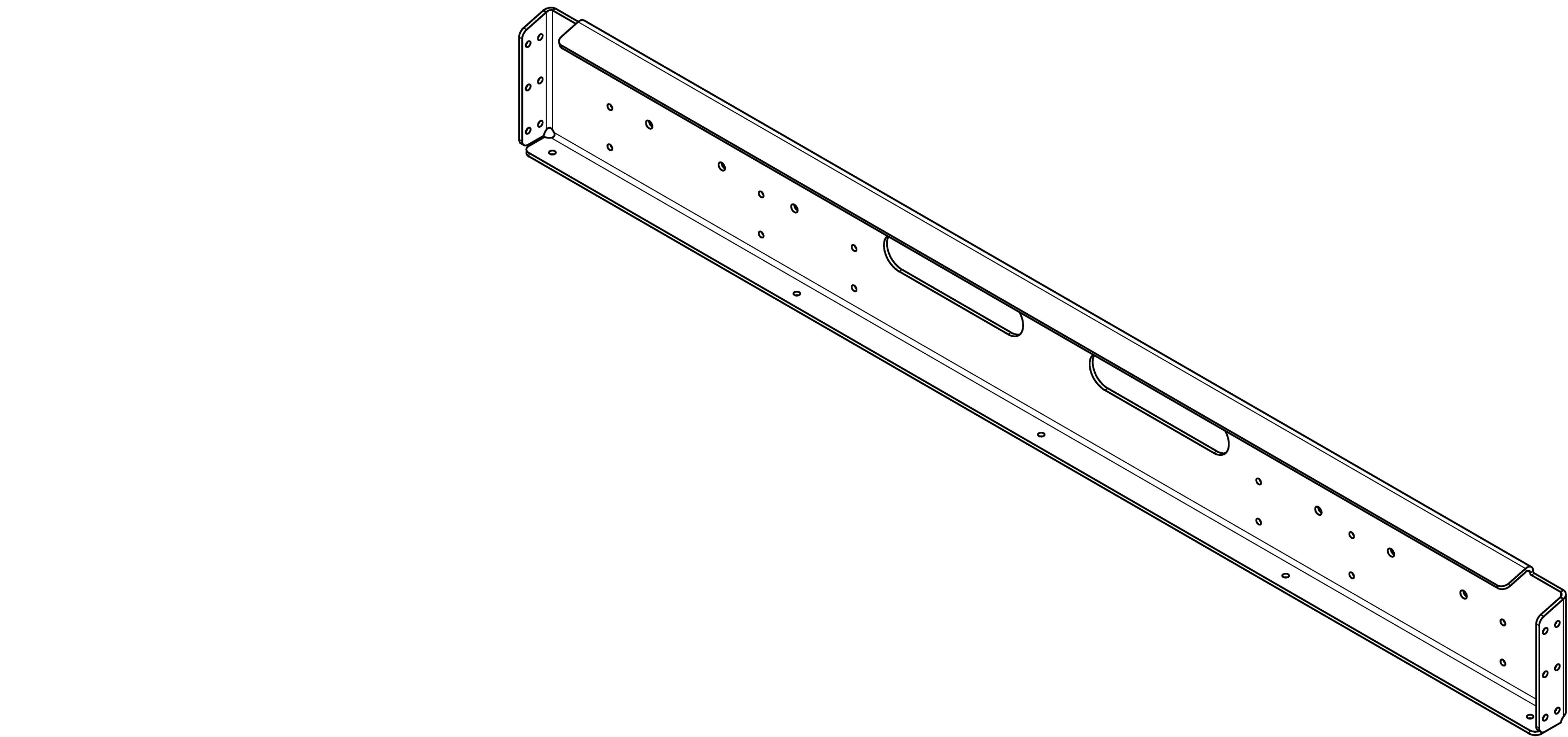
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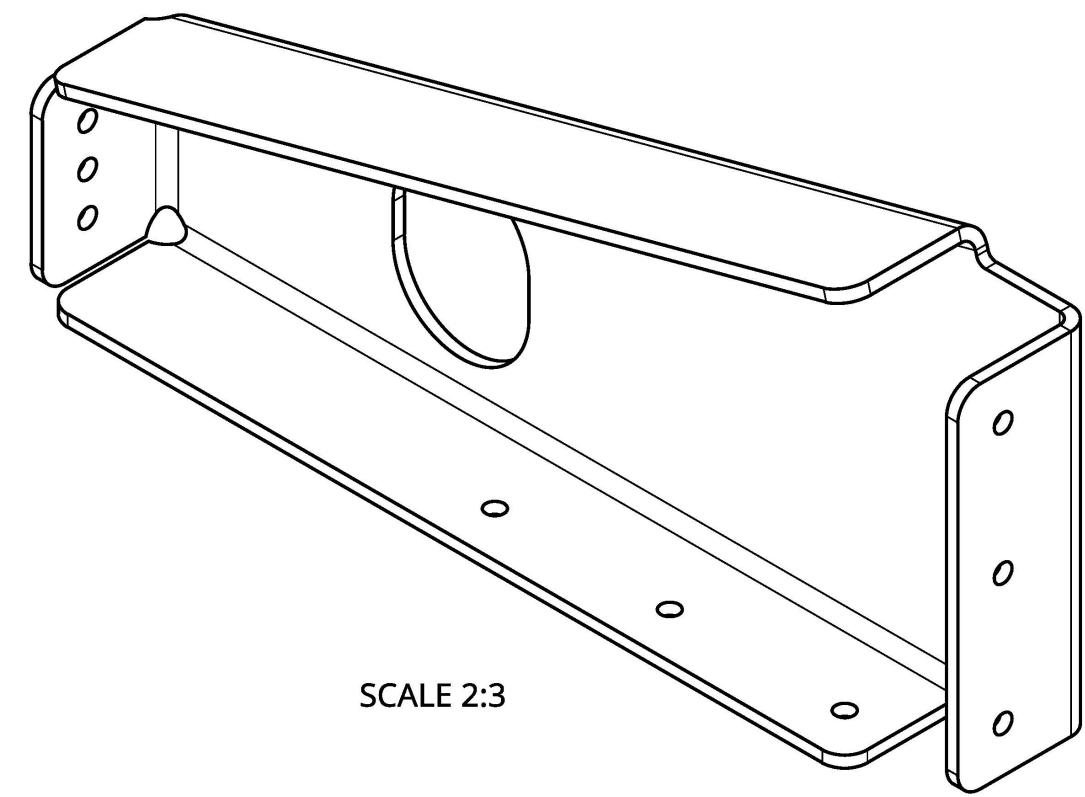
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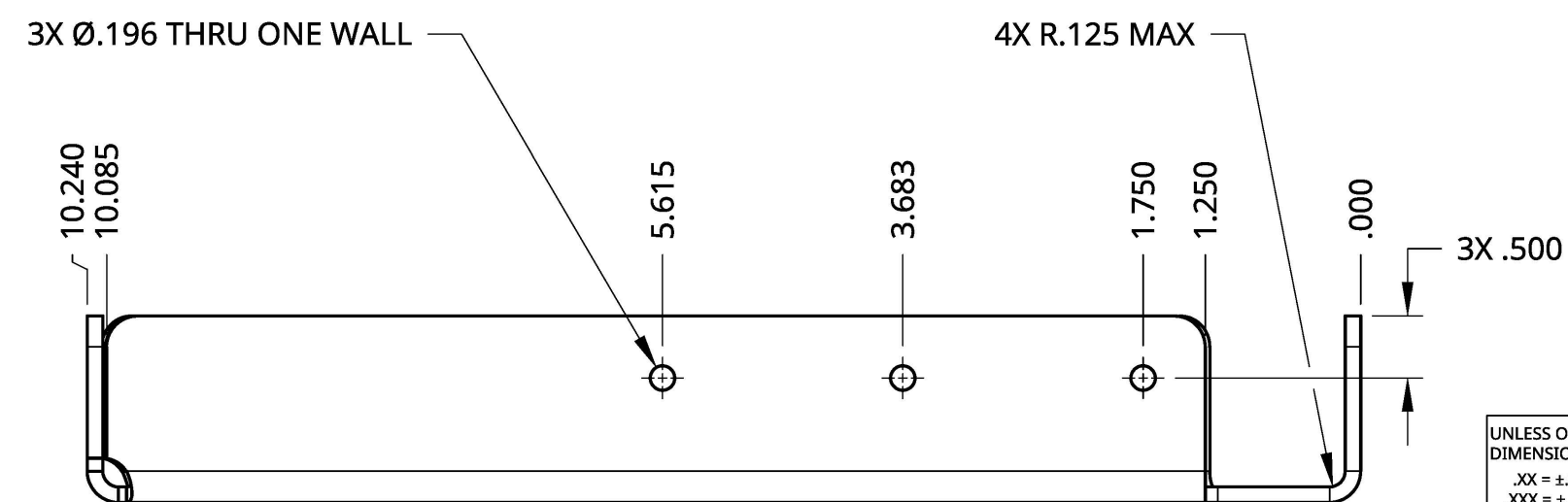
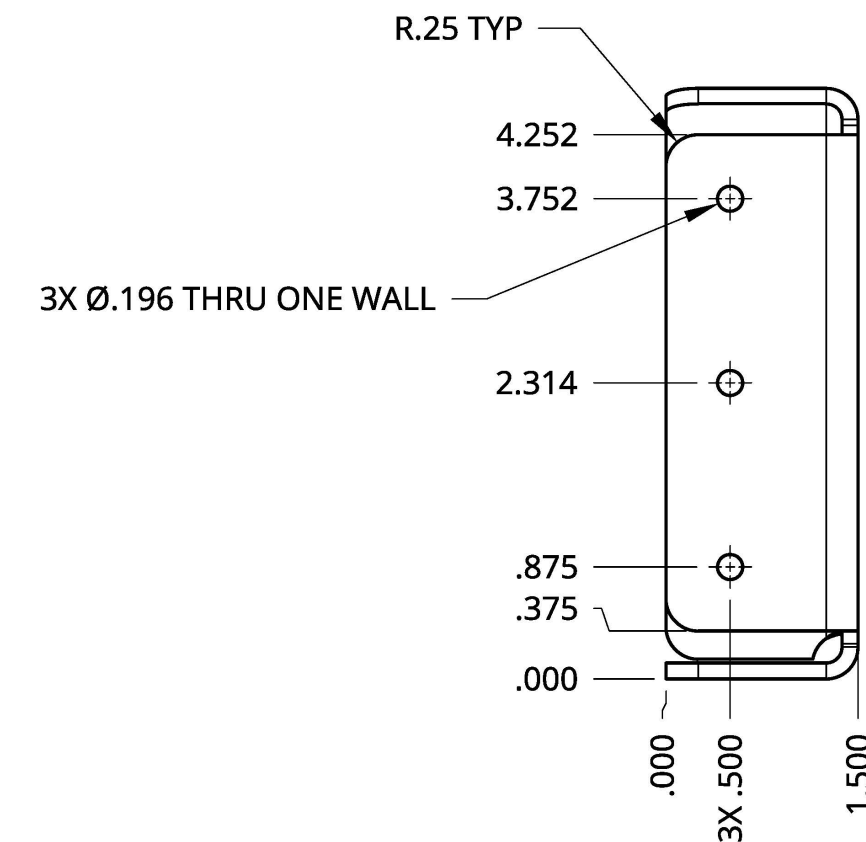
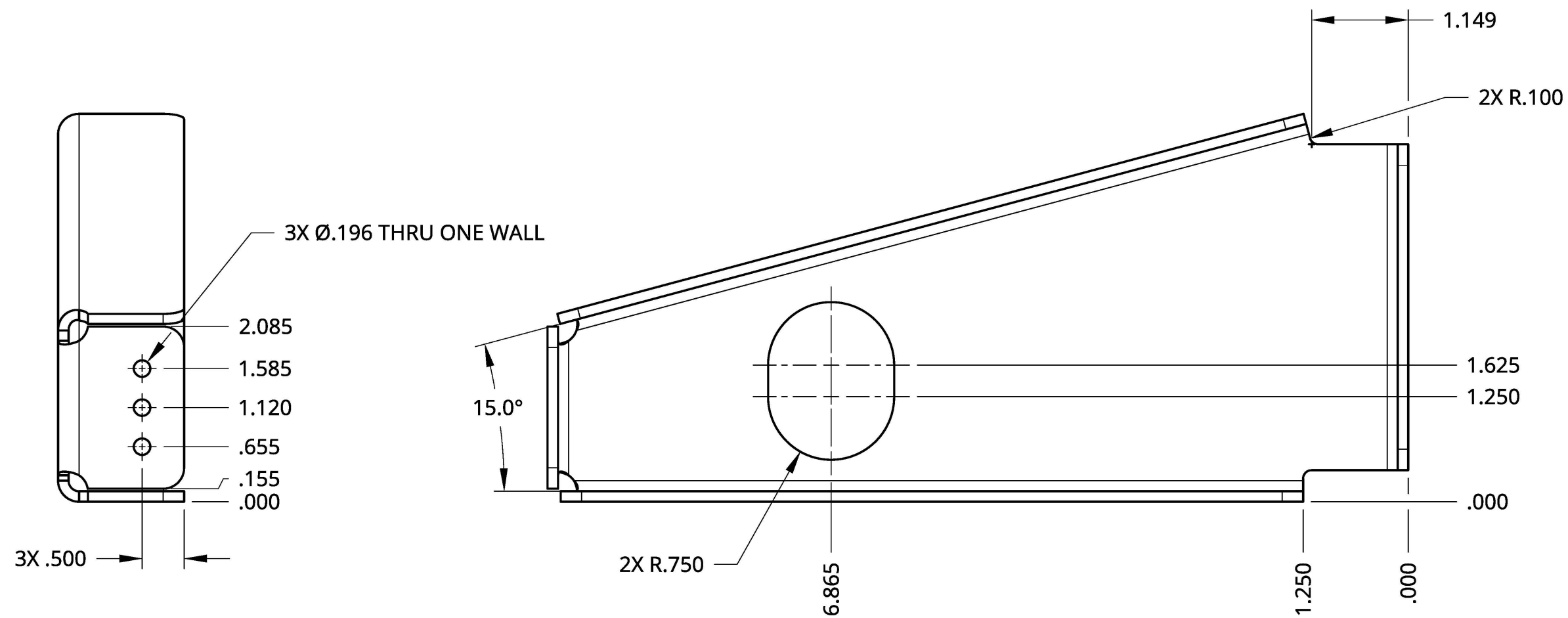
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	BEND		NAME		DATE		
	DRAWN		JO		09/19/2025		
DO NOT SCALE DRAWING	MATERIAL 1/8" 5052 ALUMINUM					TITLE BUMP CENTER RIB	
BREAK ALL SHARP EDGES AND REMOVE BURRS							
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.							
SIZE	C	DWG NO.		GE-26104		REV.	
SCALE	1:3					SHEET	1 of 1



SCALE 2:3



UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES
.XX = ±.01 ANGULAR = ± 1°
.XXX = ±.005

DO NOT SCALE DRAWING

BREAK ALL SHARP EDGES AND
REMOVE BURRS

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BEND	NAME	DATE
DRAWN	JO	09/19/2025

MATERIAL

1/8" 5052
ALUMINUM



BUMP SOCKET BULKHEAD, LH

SIZE	DWG NO.	REV.
C	GE-26105	
SCALE	2:3	SHEET 1 of 1

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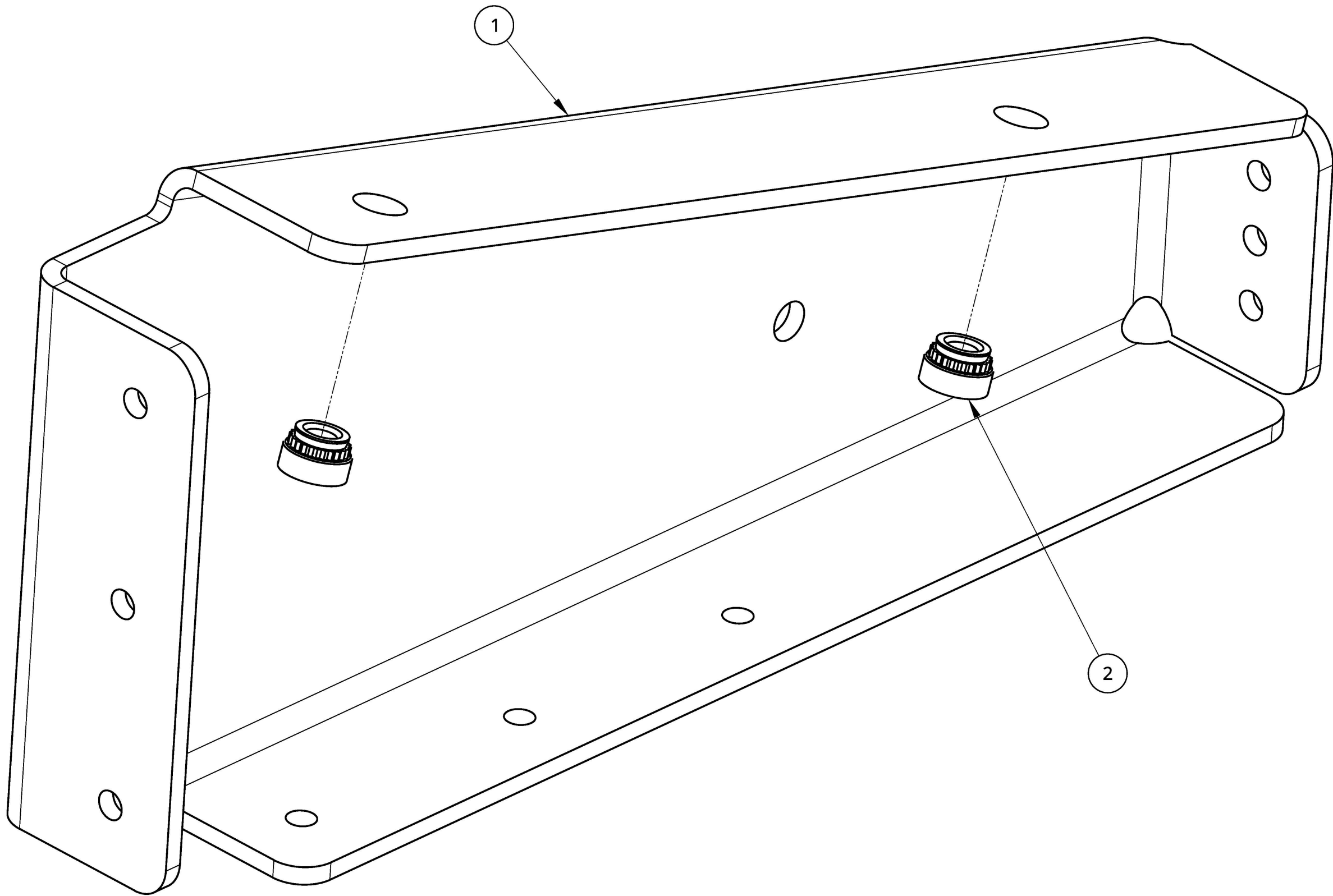
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Item				Quantity	Part number	Description
1				1	GE-26106-01	Bump Mounting Bulkhead, LH
2				2		PEM S-0420-3 ZI Carbon Steel Zinc plated

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005				VEND	NAME	DATE		
				DRAWN	JO	09/19/2025		
DO NOT SCALE DRAWING				MATERIAL			TITLE	
BREAK ALL SHARP EDGES AND REMOVE BURRS							BUMP MOUNTING BULKHEAD ASSY, LH	
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.							SIZE C	DWG NO. GE-26106
							SCALE 3:2	REV. 1 of 2

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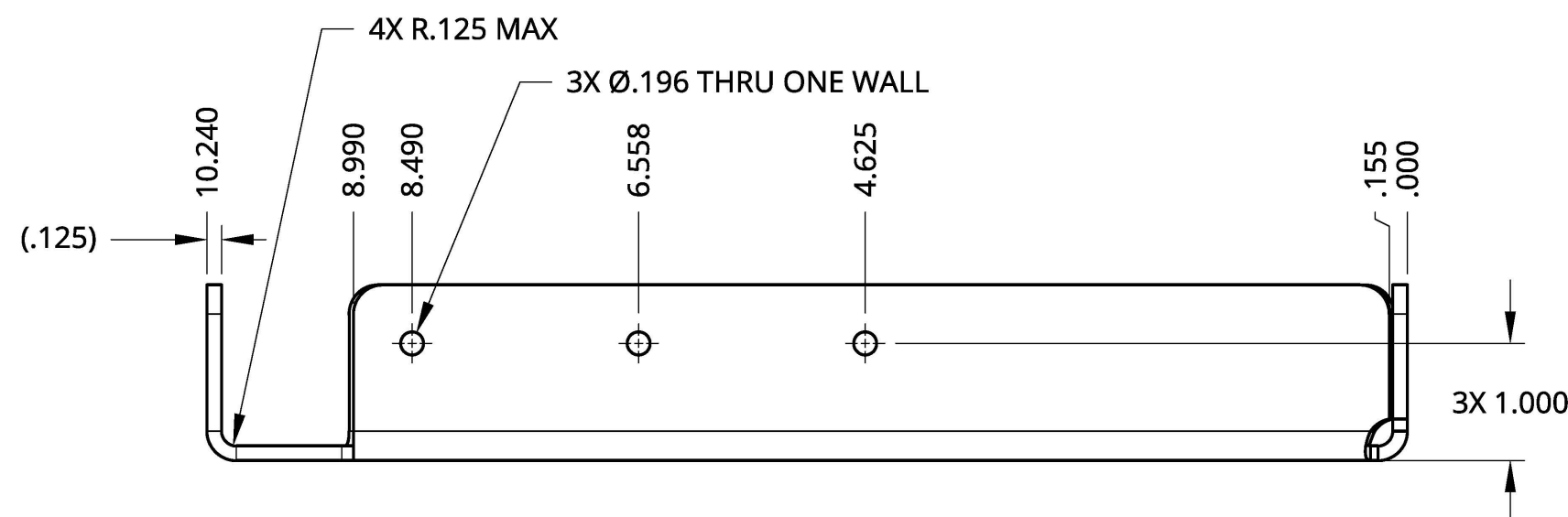
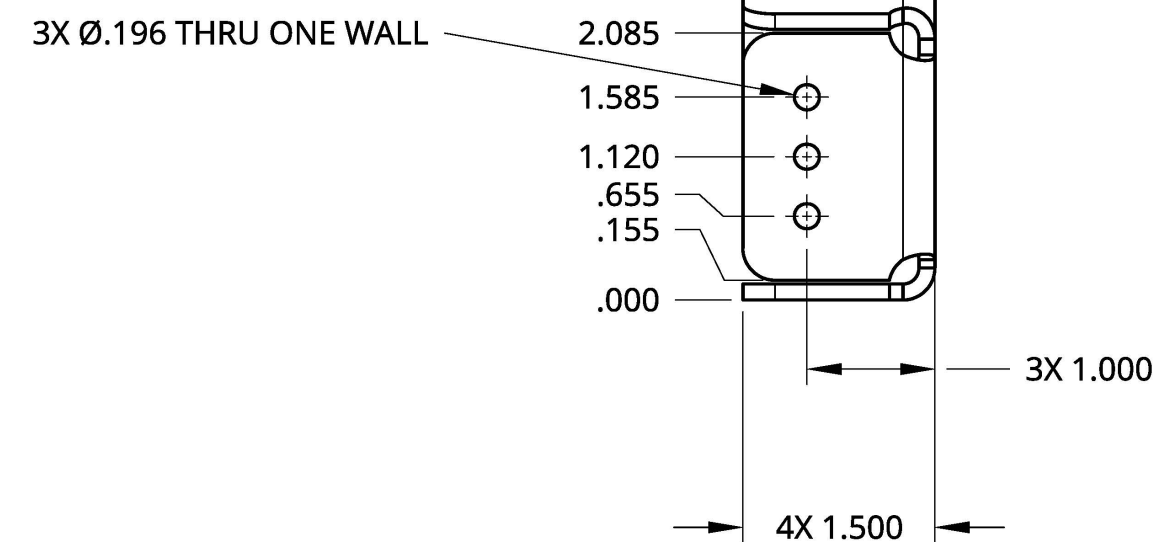
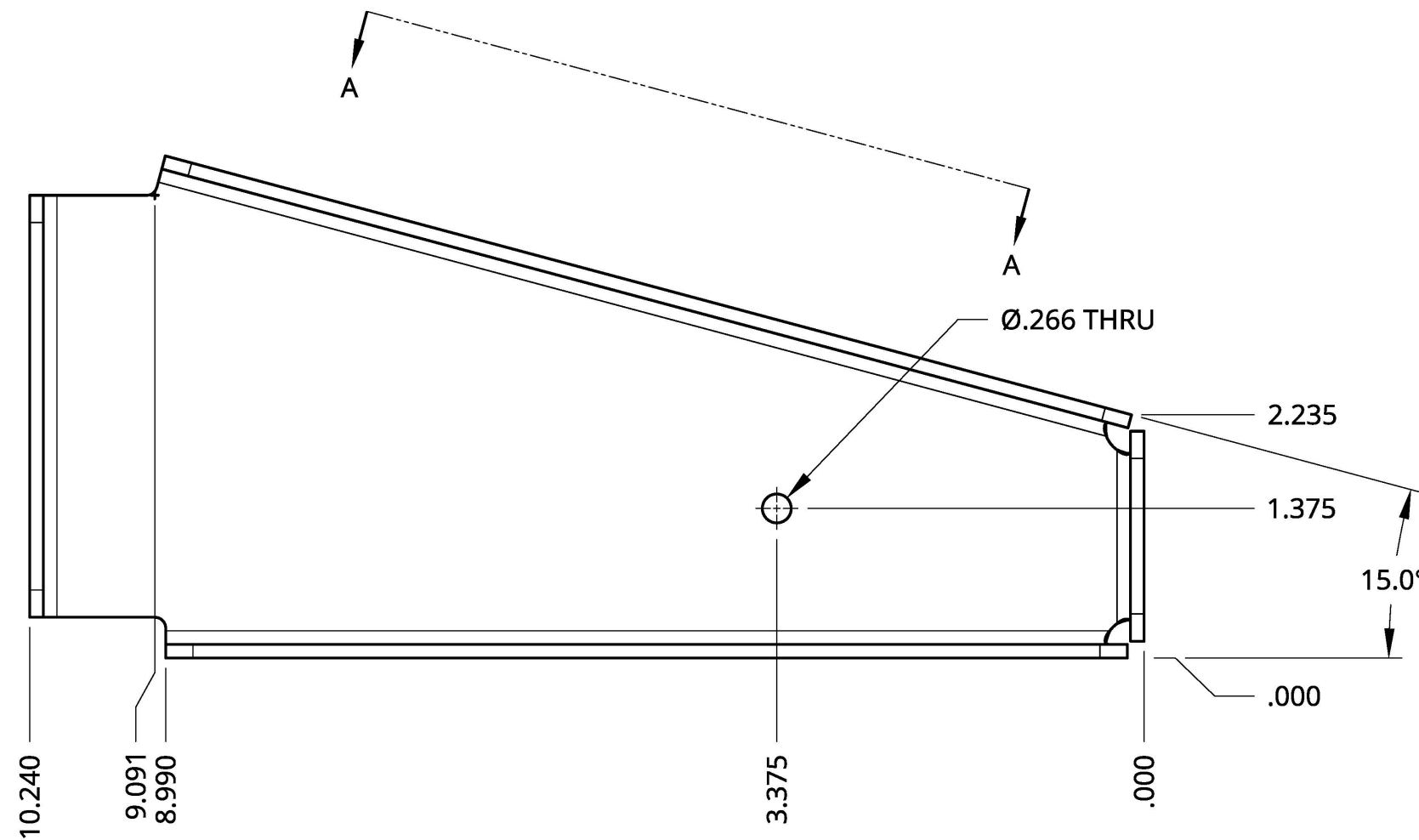
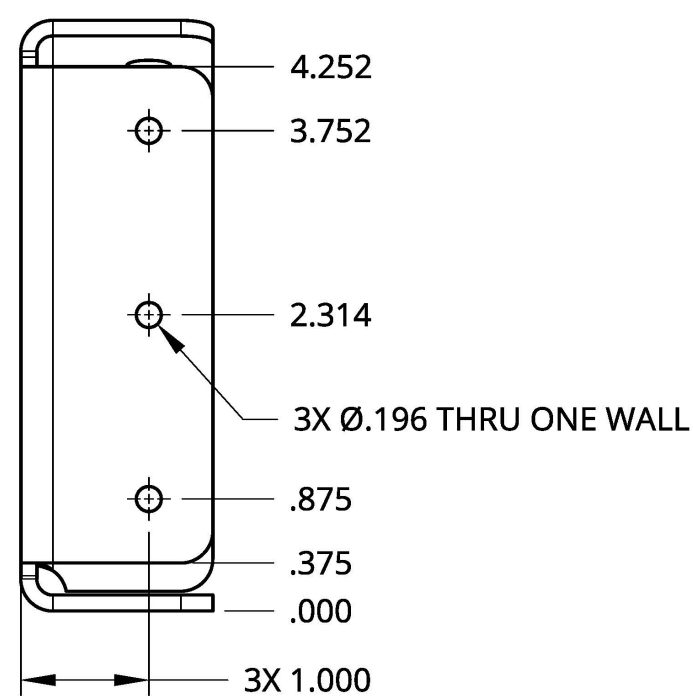
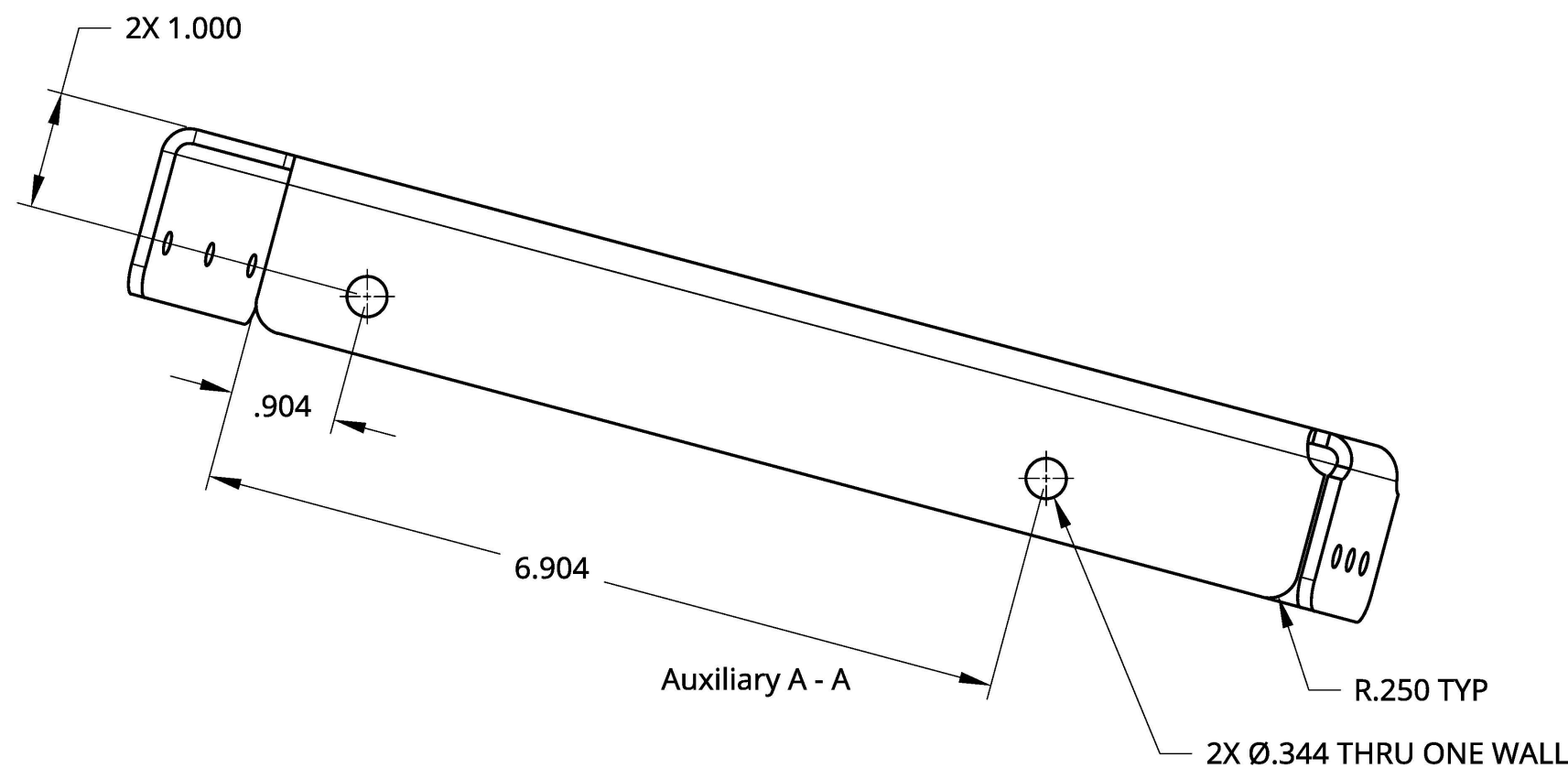
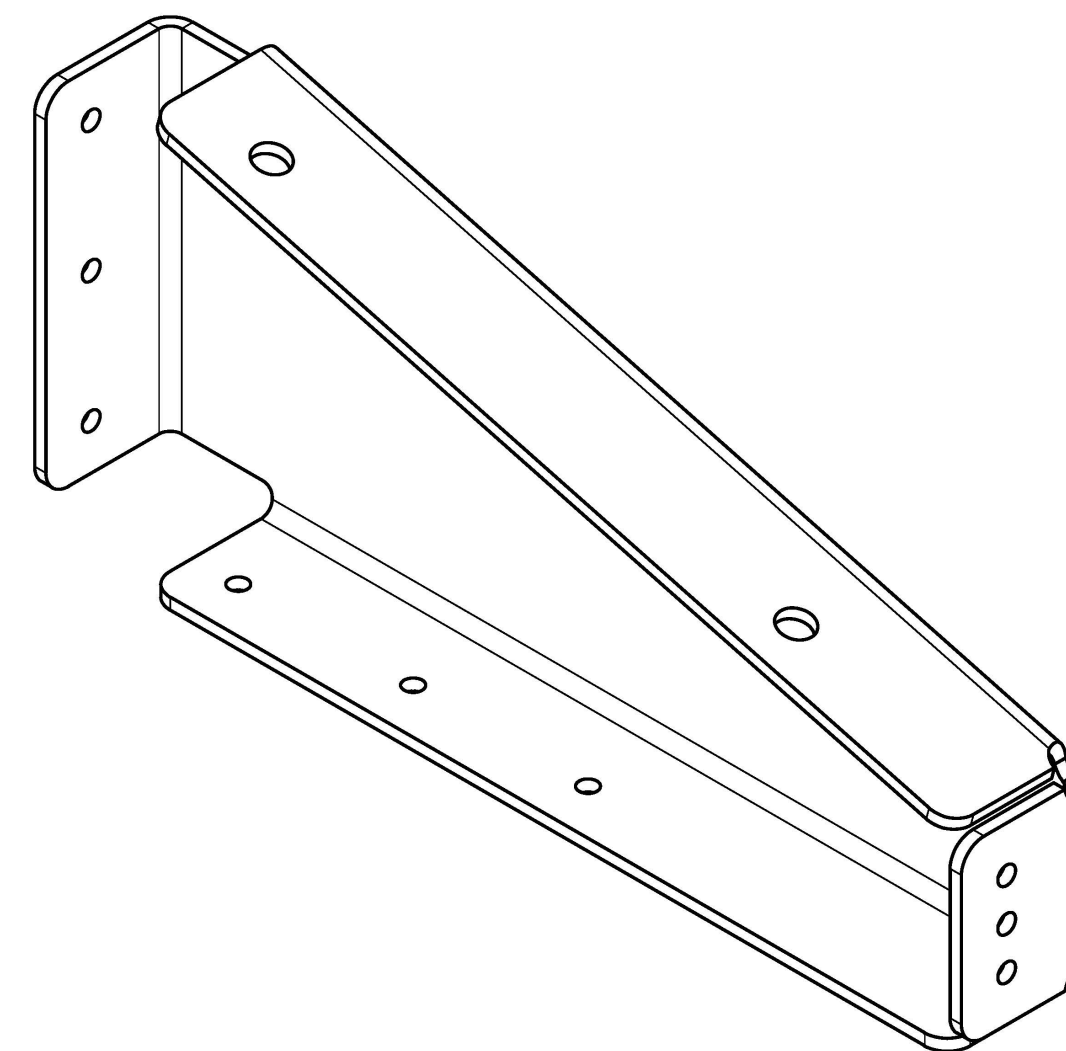
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UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES
.XX = ±.01 ANGULAR = ± 1°
.XXX = ±.005

DO NOT SCALE DRAWING

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BEND	NAME	DATE
DRAWN	JO	09/19/2025

MATERIAL

1/8" 5052
ALUMINUM



TITLE
BUMP MOUNTING BULKHEAD, LH

SIZE	DWG NO.	REV.
C	GE-26106-01	

SCALE	SHEET
2:3	2 of 2

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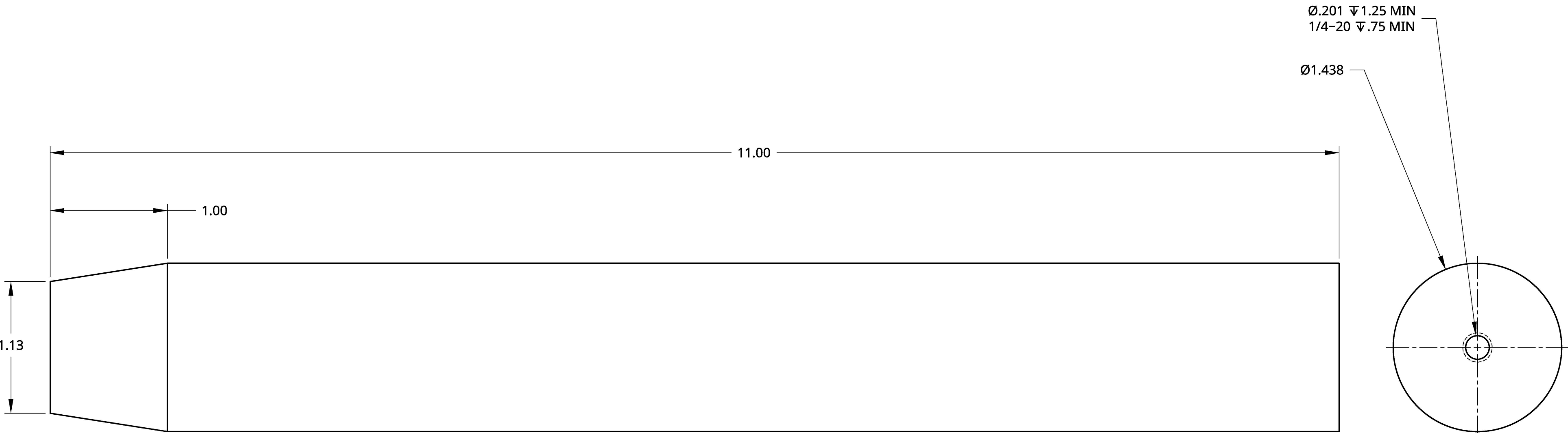
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE			
	DRAWN	JO	09/19/2025			
DO NOT SCALE DRAWING	MATERIAL 6061 ALUMINUM			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				BUMP PIN		
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE C	DWG NO. GE-26107	REV.
				SCALE 1.5:1		SHEET 1 of 1

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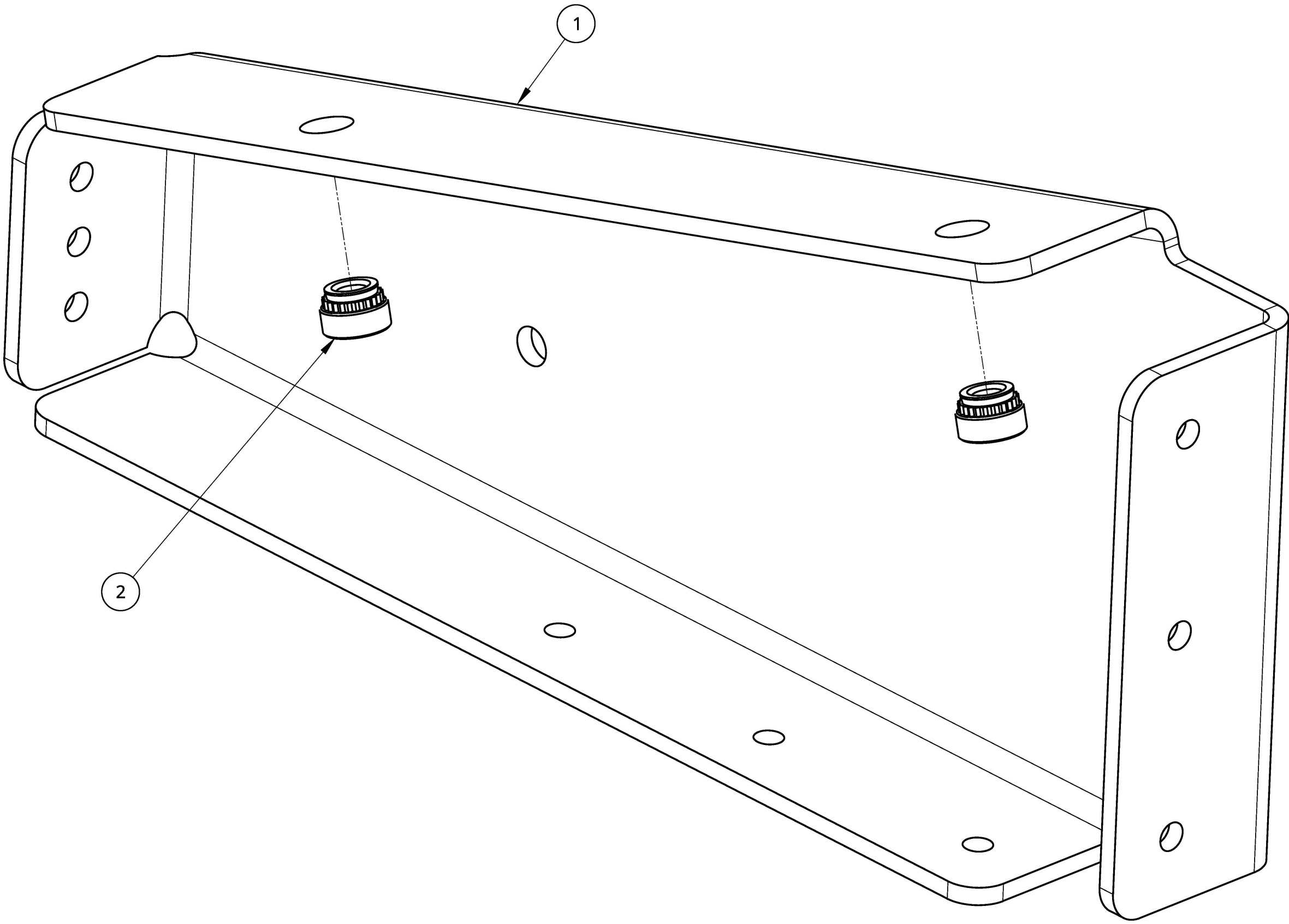
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UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES
.XX = ±.01 ANGULAR = ± 1°
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DO NOT SCALE DRAWING

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Item	Quantity	Part number	Description
1	1	GE-26108-01	Bump Mounting Bulkhead, RH
2	2		PEM S-0420-3 ZI Carbon Steel Zinc plated

VEND	NAME	DATE		
DRAWN	JO	09/19/2025		
MATERIAL			TITLE	
			BUMP MOUNTING BULKHEAD ASSY, RH	
SIZE	C	DWG NO.	GE-26108	REV.
SCALE	3:2		SHEET	1 of 2

4

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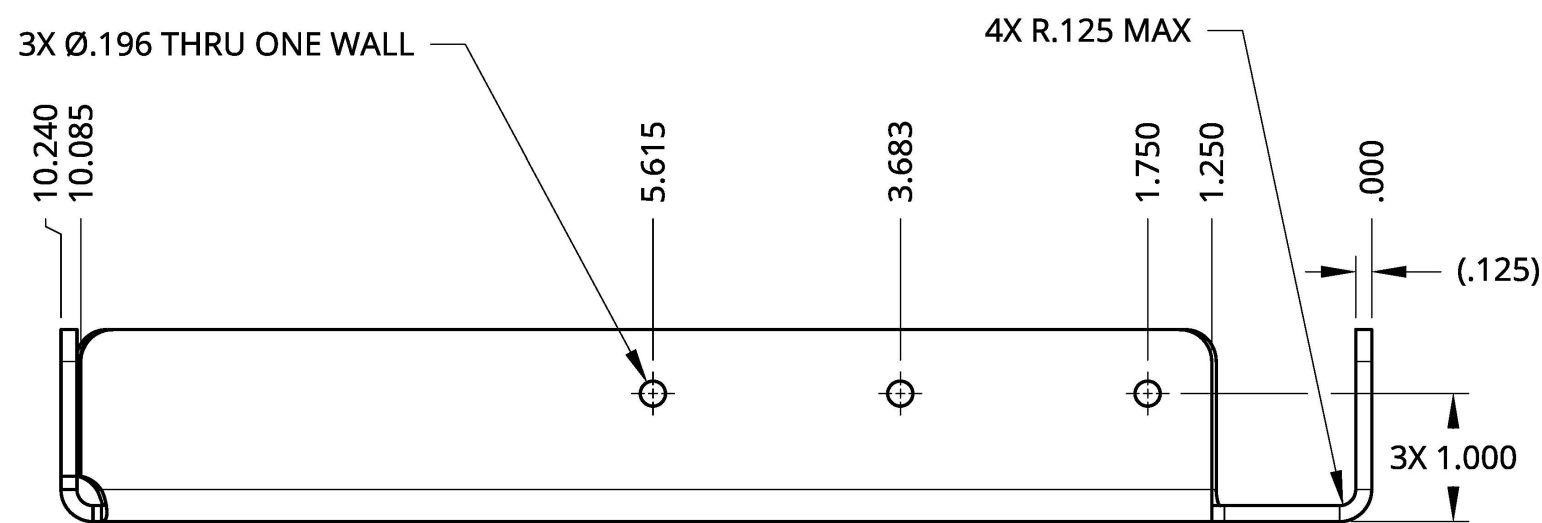
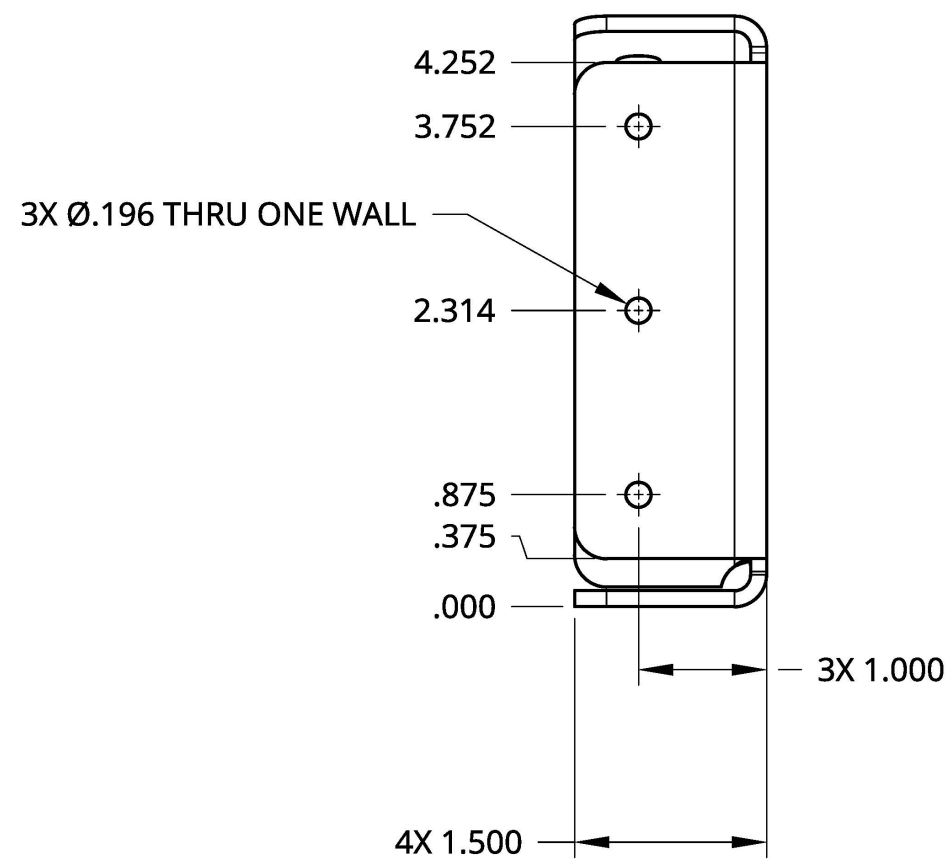
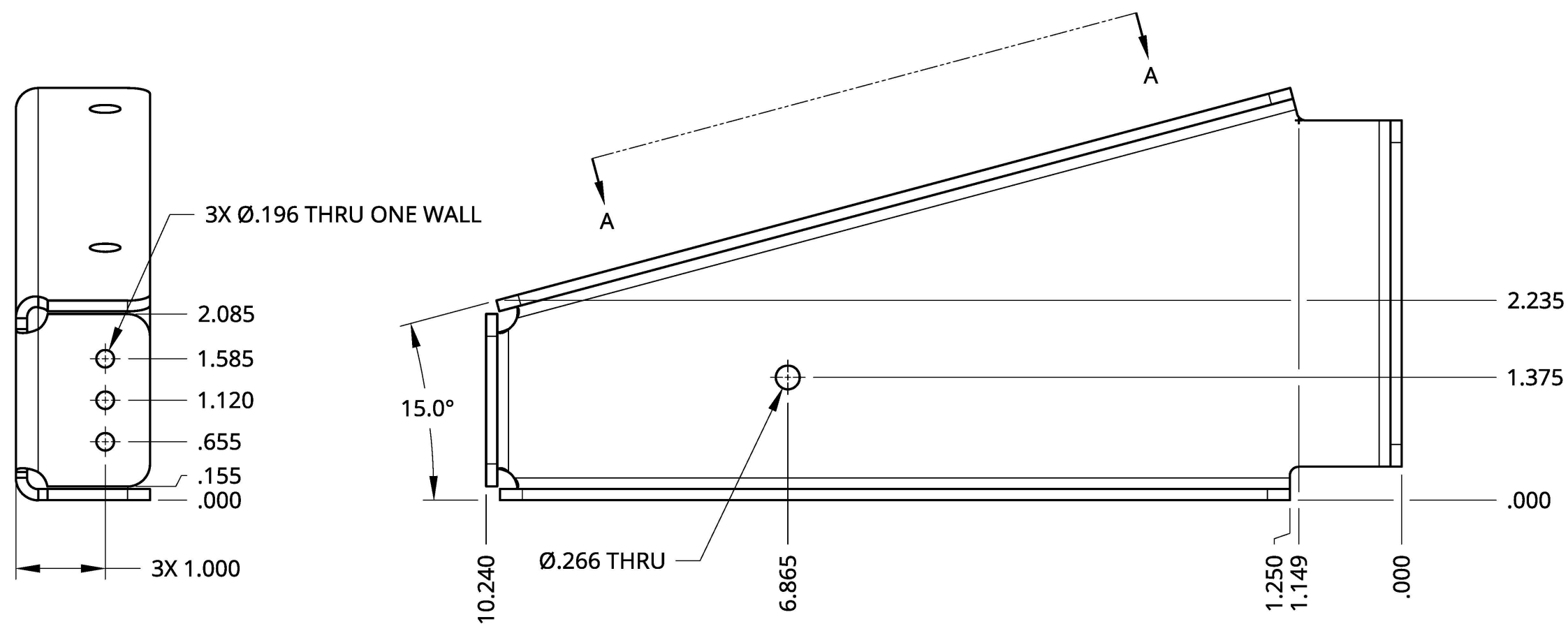
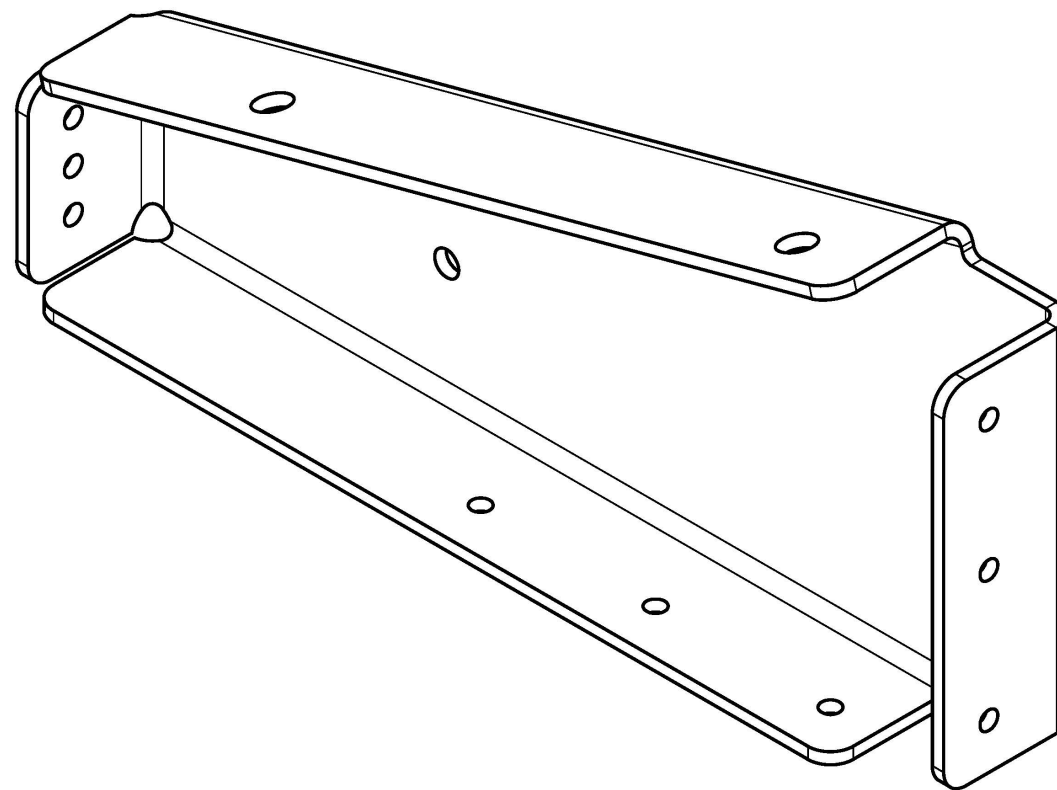
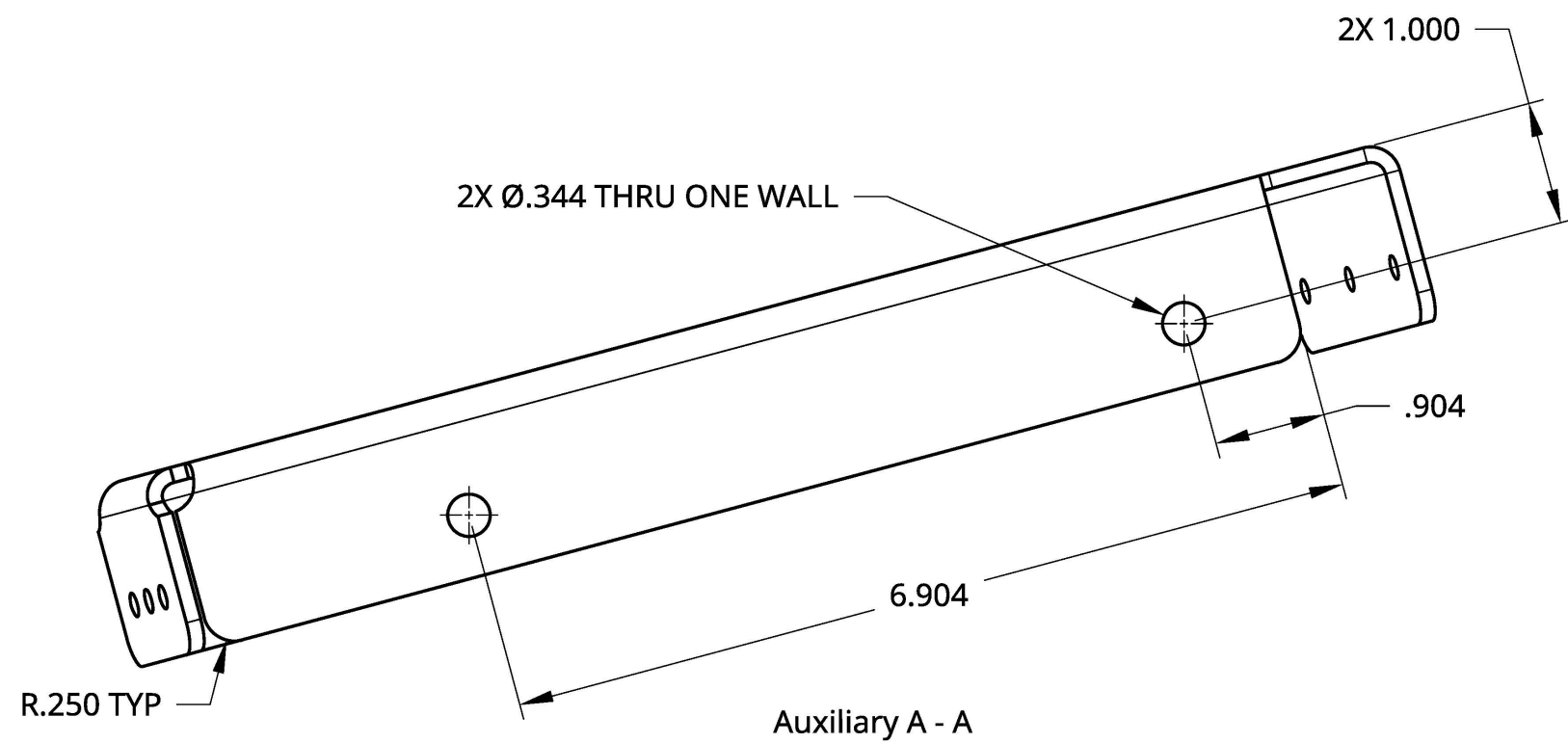
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BEND	NAME	DATE
DRAWN	JO	09/19/2025

MATERIAL

1/8" 5052
ALUMINUM



BUMP MOUNTING BULKHEAD, RH

SIZE	DWG NO.	REV.
C	GE-26108-01	
SCALE	2:3	SHEET 2 of 2

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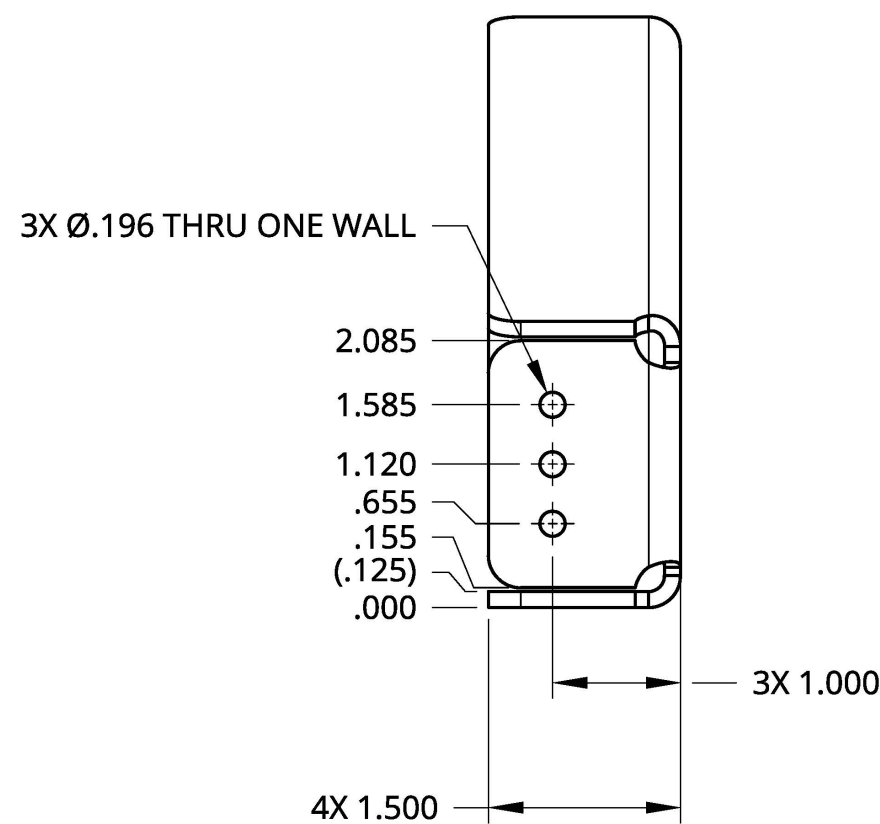
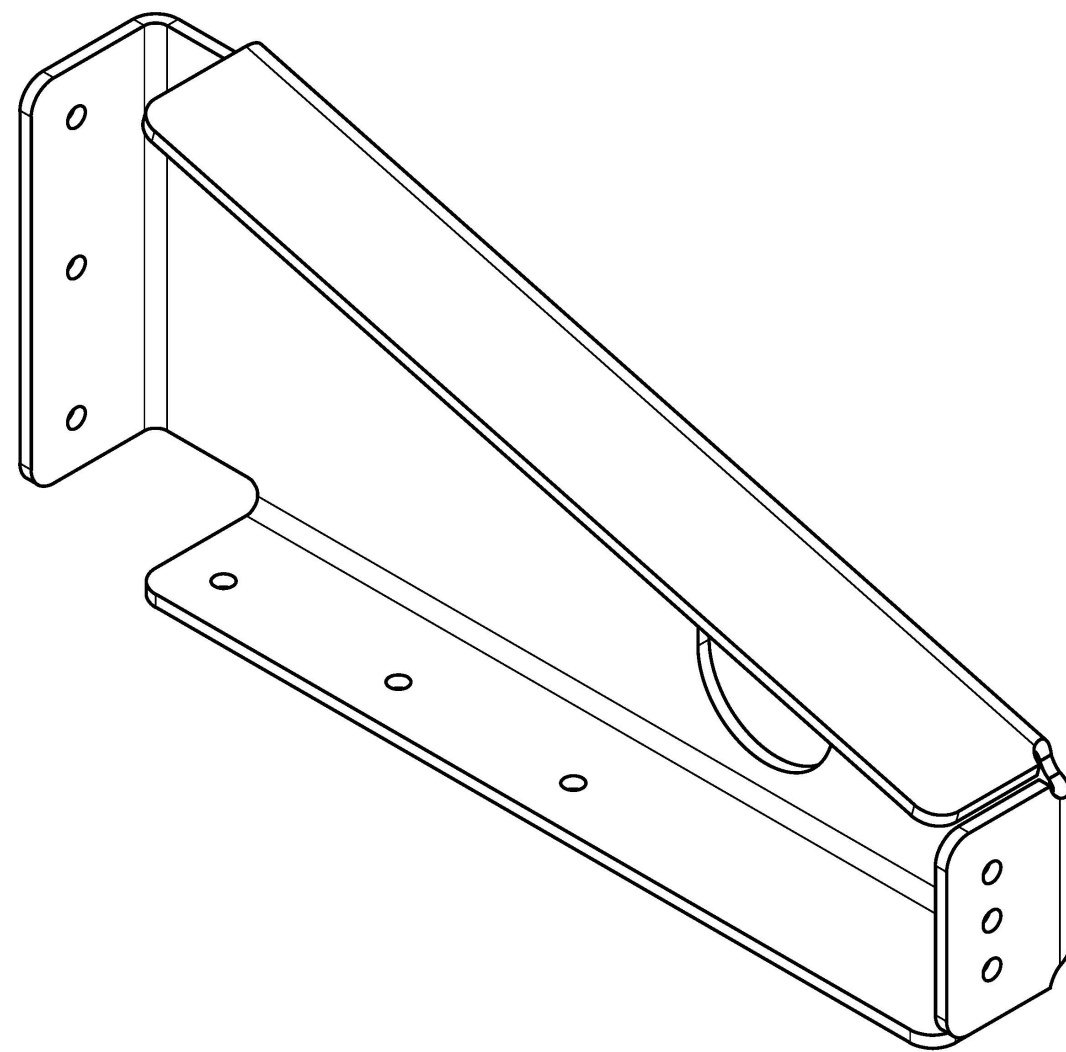
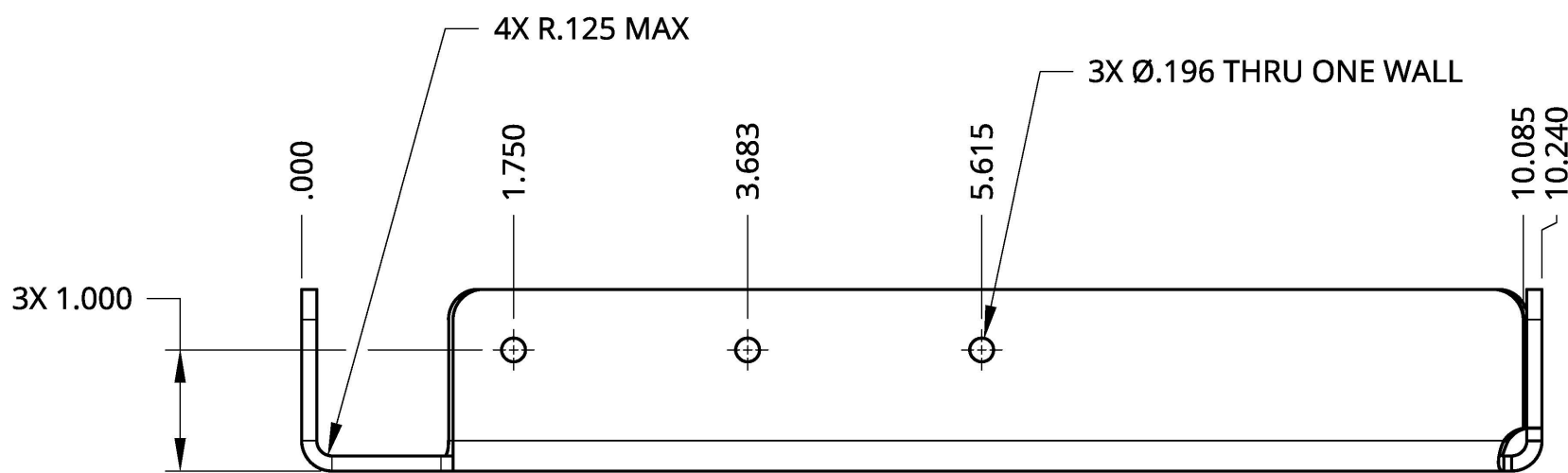
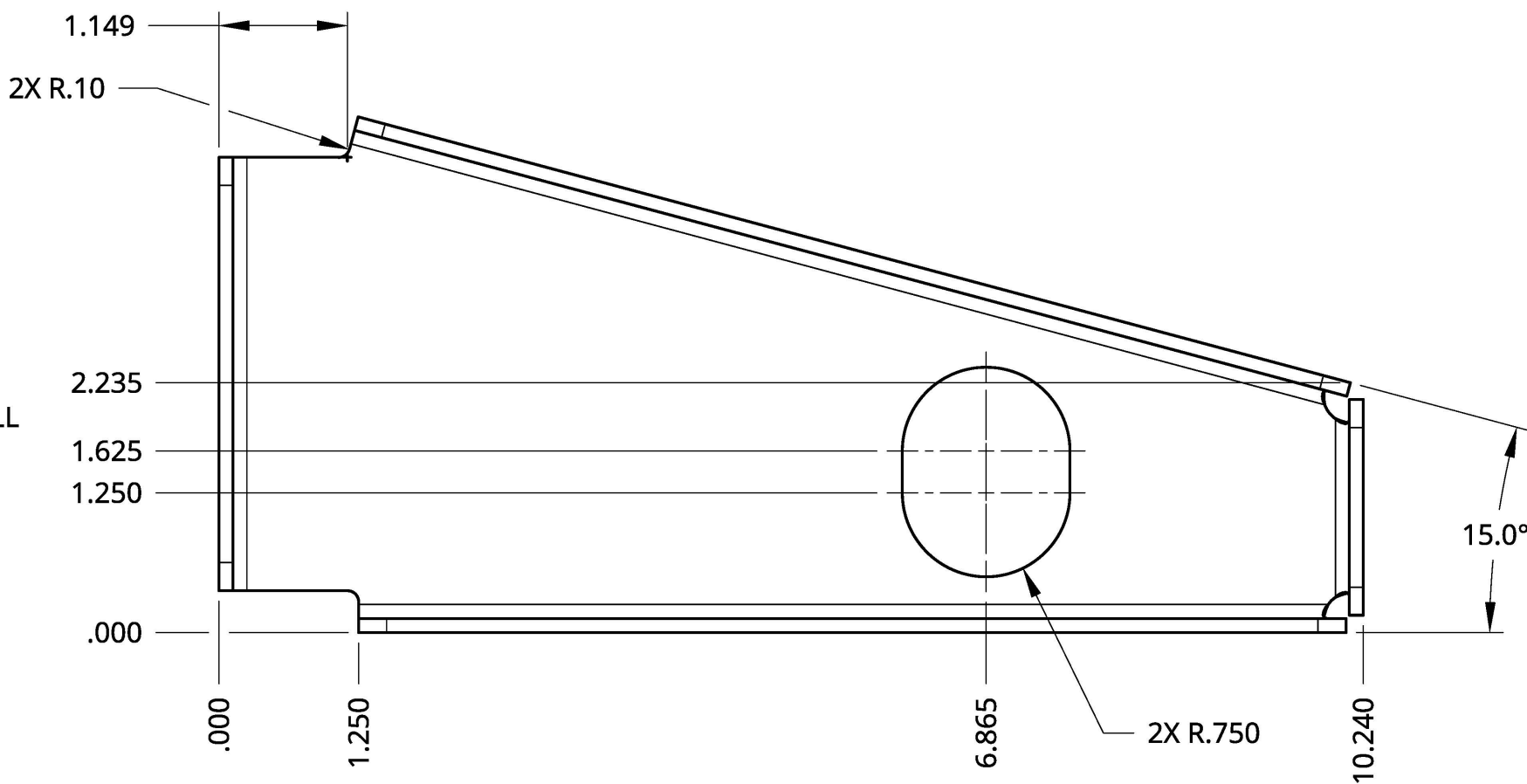
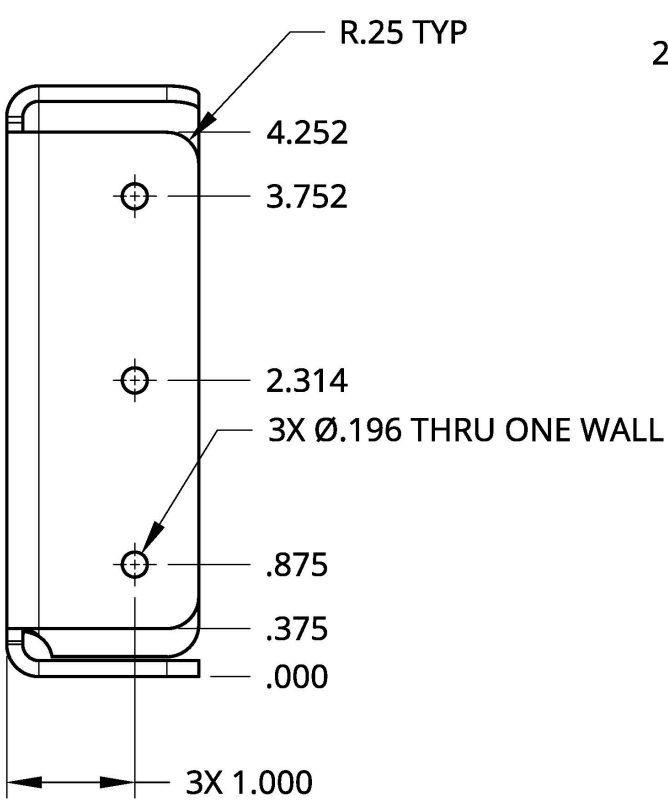
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.XXX = ±.005

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BEND	NAME	DATE
DRAWN	JO	09/19/2025

MATERIAL

1/8" 5052
ALUMINUM



TITLE BUMP SOCKET BULKHEAD, RH		
SIZE C	DWG NO. GE-26109	REV.
SCALE 2:3	SHEET 1 of 1	

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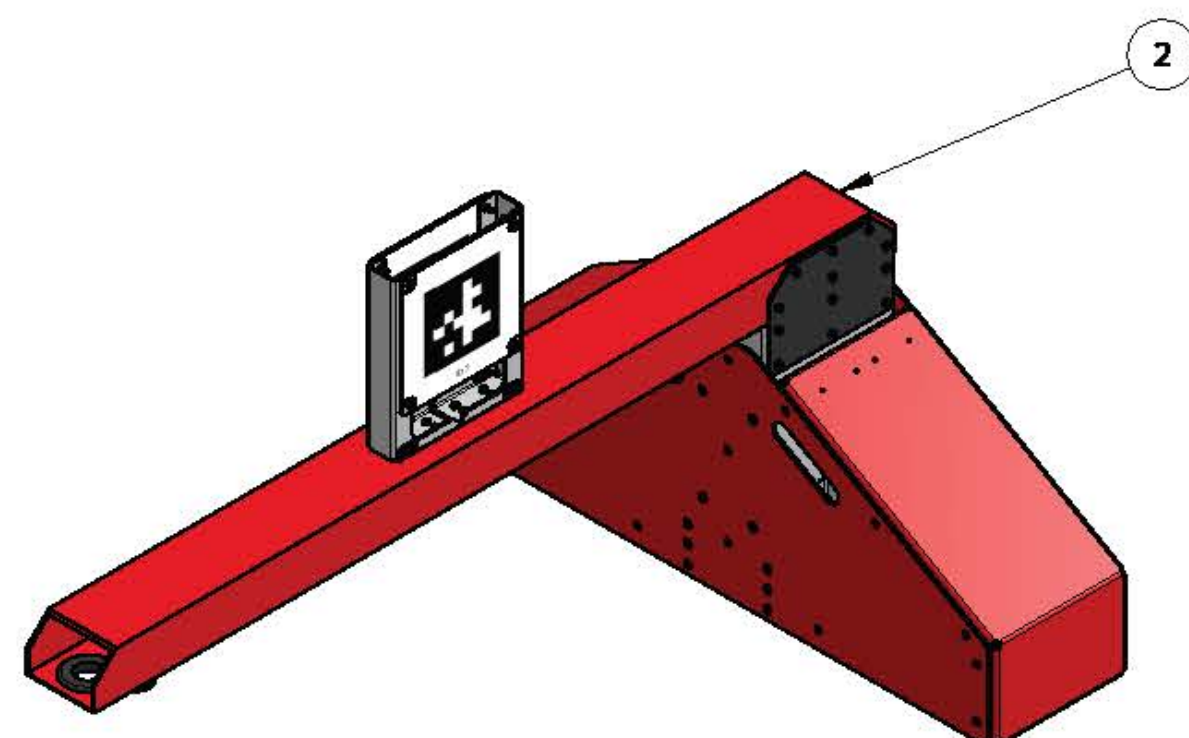
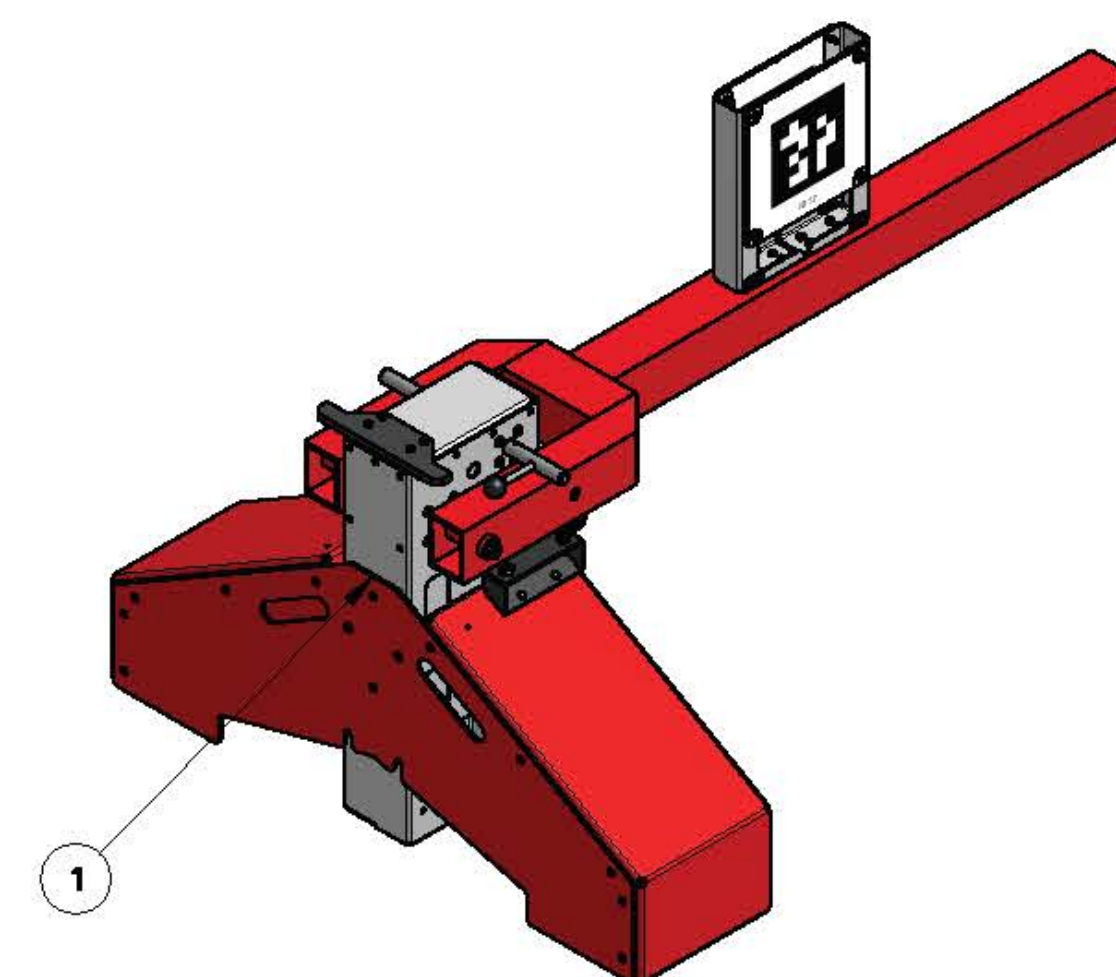
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NOTES:
1. See drawings FE-2026, GE-26201, and GE-26202 for assembly dimensions.

Item	Quantity	Name	Part number	Description
1	1	GE-26201: Trench Hinged Assy	GE-26201	Trench Hinged Assy
2	1	GE-26202: Trench Fixed Assy	GE-26202	Trench Fixed Assy

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES XXX = ±1.00 ANGULAR = ±9° XXX = ±0.250	FIELD	NAME	DATE		
	DRAWN	CO	12/11/2025		
	MATERIAL			TITLE	
	DO NOT SCALE DRAWING BREAK ALL SHARP EDGES AND REMOVE BURRS PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST IS PROHIBITED.			TRENCH	
SIZE	C	DWG NO.	GE-26200	REV.	
SCALE	1:12	SHEET	1 of 1		

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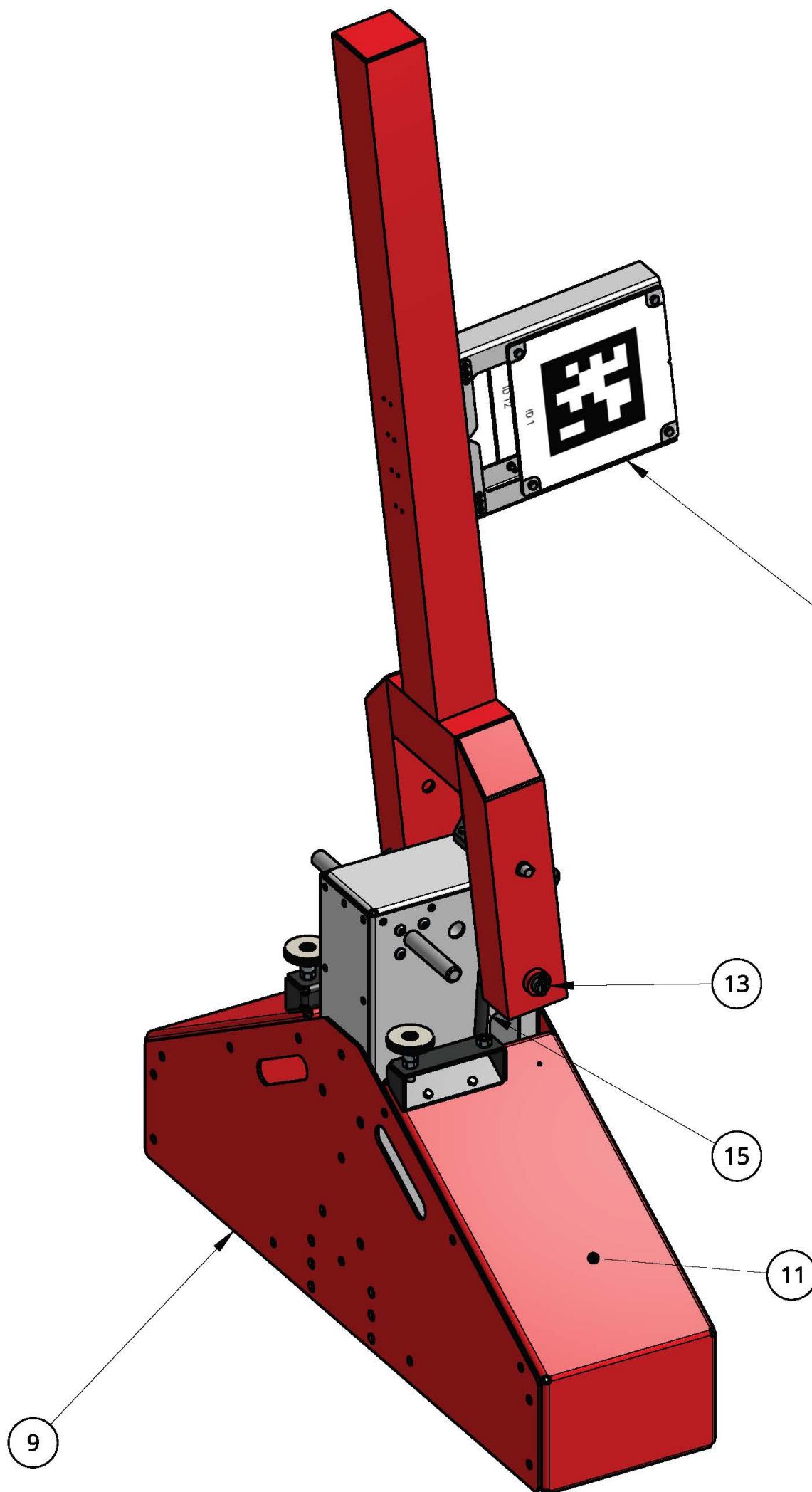
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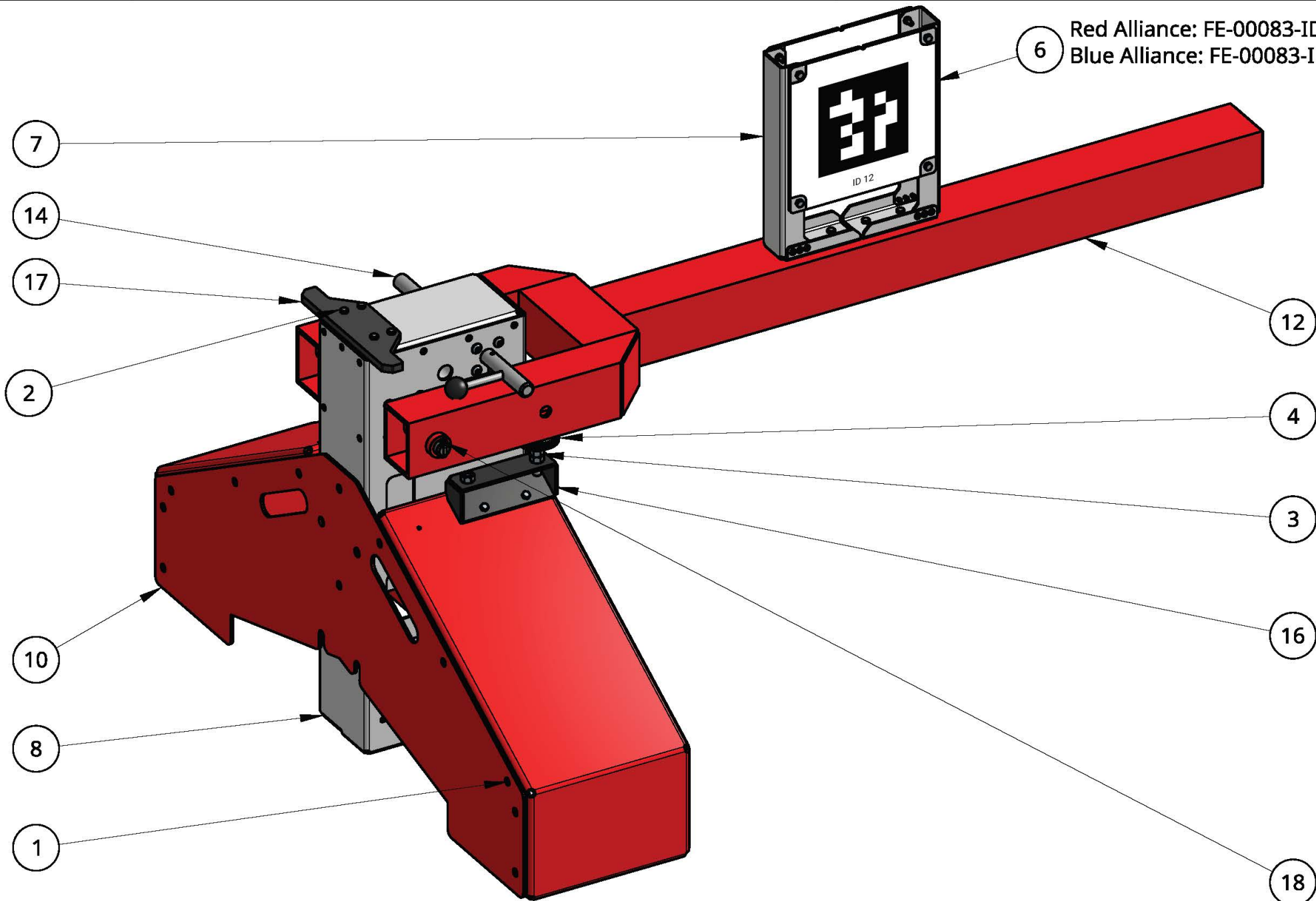
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Open Configuration: Field Reset

NOTES:
1. See drawing FE-2026 for additional assembly dimensions.



Closed Configuration: Match Play

Item	Quantity	Part number	Description
1	27		Flat countersunk head (82) machine screw 1/4-20 x 1 Steel Zinc Plated
2	24		Hex bolt 1/4-20 x 1 Steel Zinc Plated
3	2		Hex nut 1/2-13 Steel Zinc Plated
4	2	62805K41	Rigid Leveling Mount
5	1	FE-00083-ID1	AprilTag, ID 1
6	1	FE-00083-ID12	AprilTag, ID 12
7	2	GE-26203	Trench AprilTag Mount Assy
8	1	GE-26204	Trench Hinged Riser Assy
9	1	GE-26211	Trench Outside Skirt
10	1	GE-26212	Trench Inside Skirt
11	2	GE-26213	Trench Side Skirt
12	1	GE-26214	Trench Hinged Arm Weldment
13	1	GE-26215	Trench Pivot Shaft
14	1	GE-26216	Trench Arm Pin Assy
15	1	GE-26217	Trench Counterbalance Assy
16	2	GE-26218	Trench Bottom Hard Stop Weldment
17	1	GE-26219	Trench Top Hard Stop
18	4		Cable Tie, 50lb, White

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.XXX = ±0.250

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FIELD

NAME

DATE

DRAWN

CO

12/11/2025

MATERIAL

TITLE



TRENCH HINGED ASSY

SIZE

DWG NO.

GE-26201

REV.

SCALE

1:8

SHEET

1 of 2

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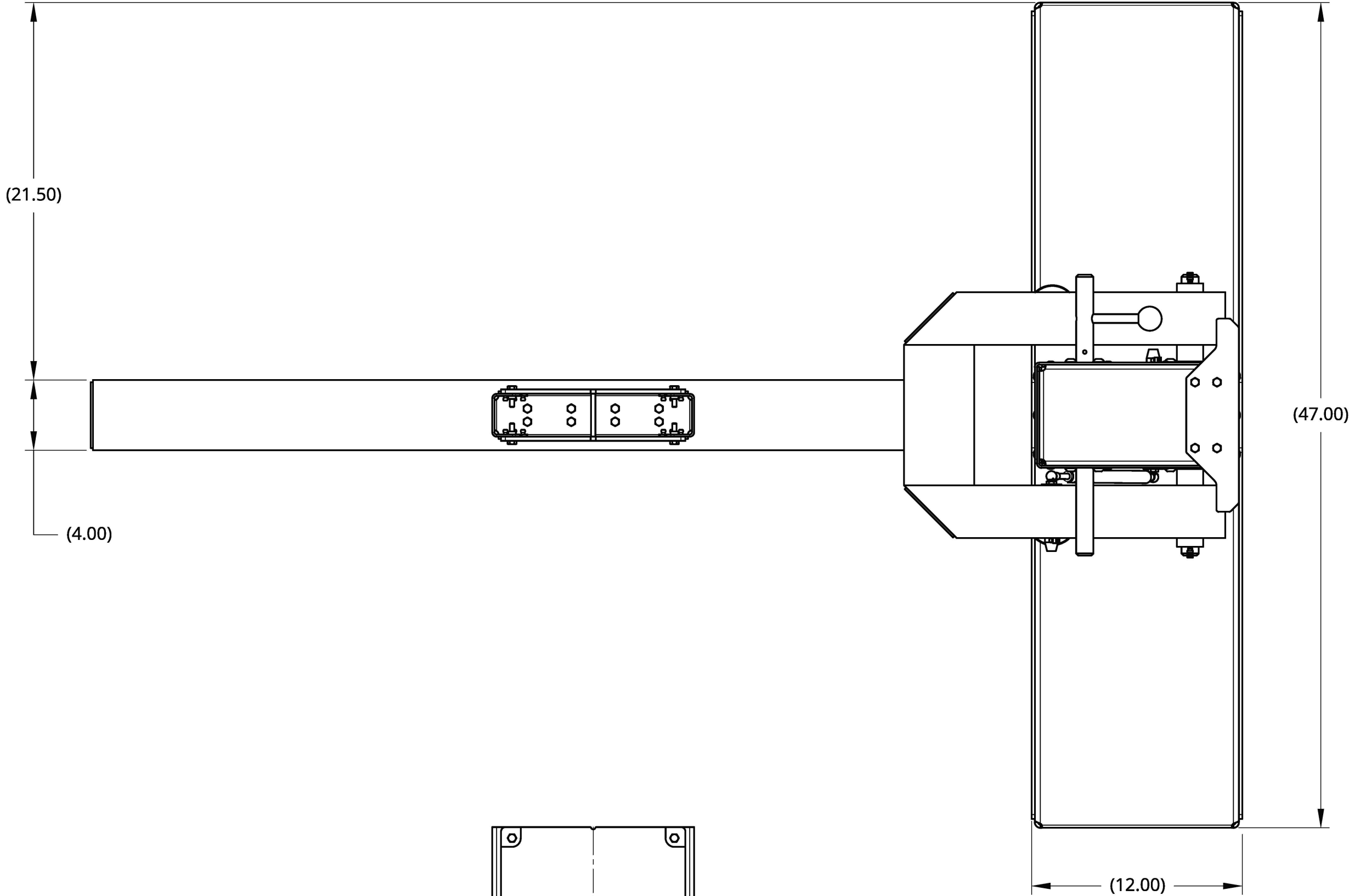
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES XX = ±1.00 ANGULAR = ± 5° XXX = ±0.250		FIELD	NAME	DATE			
		DRAWN	CO	12/11/2025			
DO NOT SCALE DRAWING		MATERIAL			TITLE TRENCH HINGED ASSY		
BREAK ALL SHARP EDGES AND REMOVE BURRS							
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					C	GE-26201	REV.
					SCALE	1:6	SHEET

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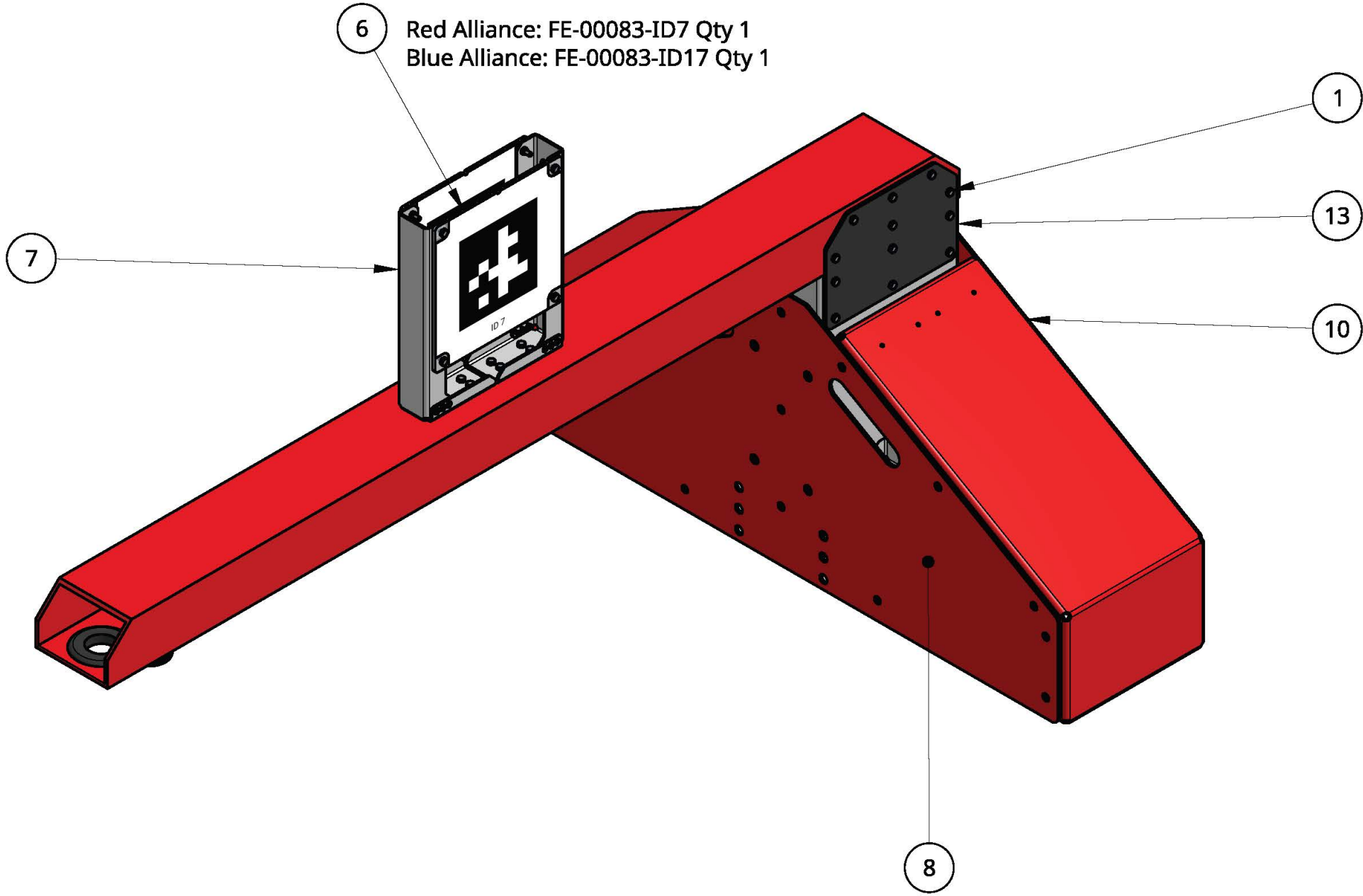
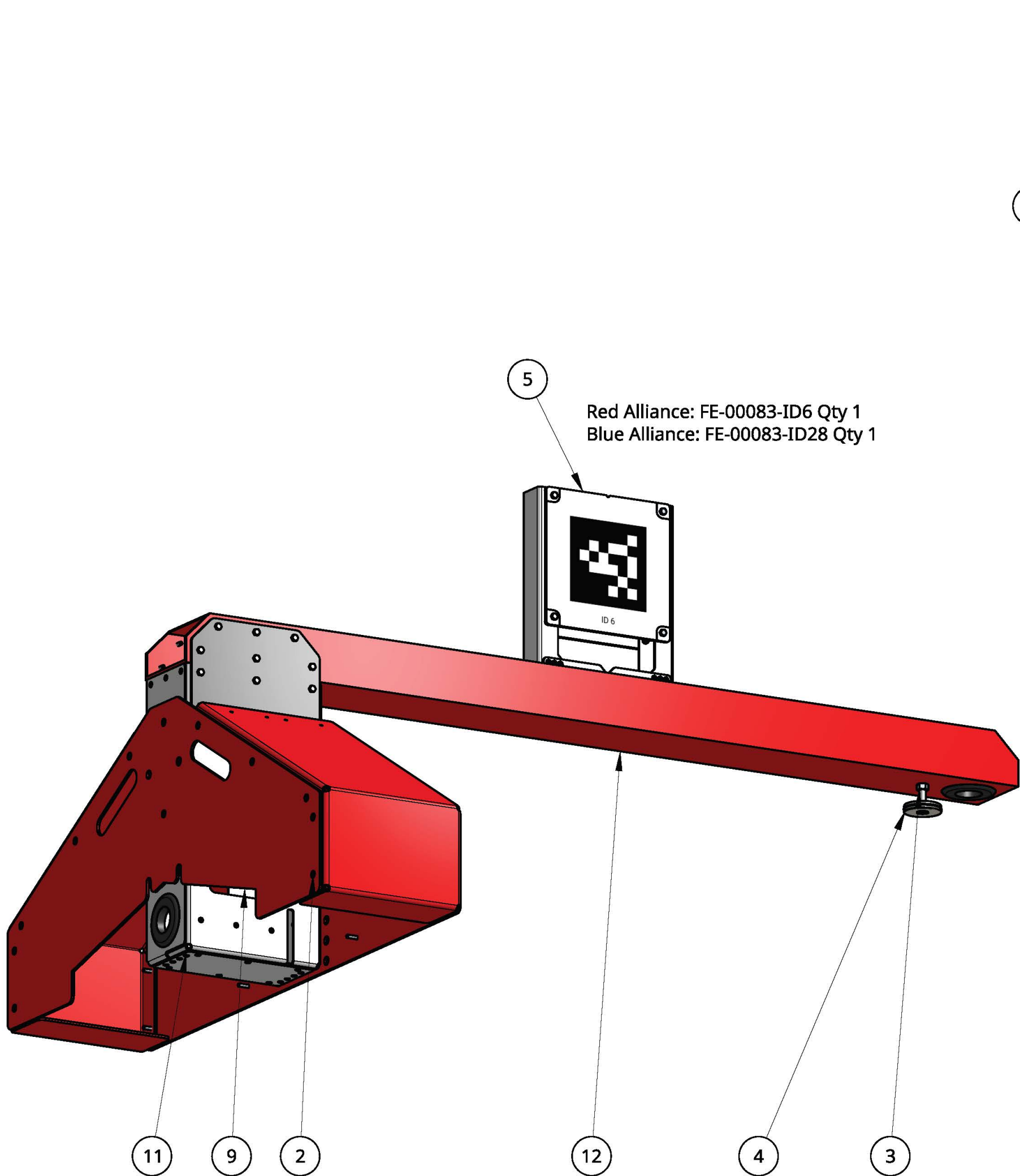
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Item	Quantity	Part number	Description
1	40		Hex bolt 1/4-20 x 1 Steel Zinc Plated
2	27		Flat countersunk head (82) machine screw 1/4-20 x 1 Steel Zinc Plated
3	1		Hex nut 1/2-13 Steel Zinc Plated
4	1	62805K41	Rigid Leveling Mount
5	1	FE-00083-ID6	AprilTag, ID 6
6	1	FE-00083-ID7	AprilTag, ID 7
7	2	GE-26203	Trench AprilTag Mount Assy
8	1	GE-26211	Trench Outside Skirt
9	1	GE-26212	Trench Inside Skirt
10	2	GE-26213	Trench Side Skirt
11	1	GE-26220	Trench Fixed Riser Assy
12	1	GE-26223	Trench Fixed Arm Assy
13	2	GE-26225	Trench Fixed Arm Bracket

NOTES:
1. See drawing FE-2026 for additional assembly dimensions.

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	DRAWN	CO	12/11/2025			
DO NOT SCALE DRAWING	MATERIAL			TITLE TRENCH FIXED ASSY		
BREAK ALL SHARP EDGES AND REMOVE BURRS						
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				SCALE 1:8	SHEET 1 of 2	

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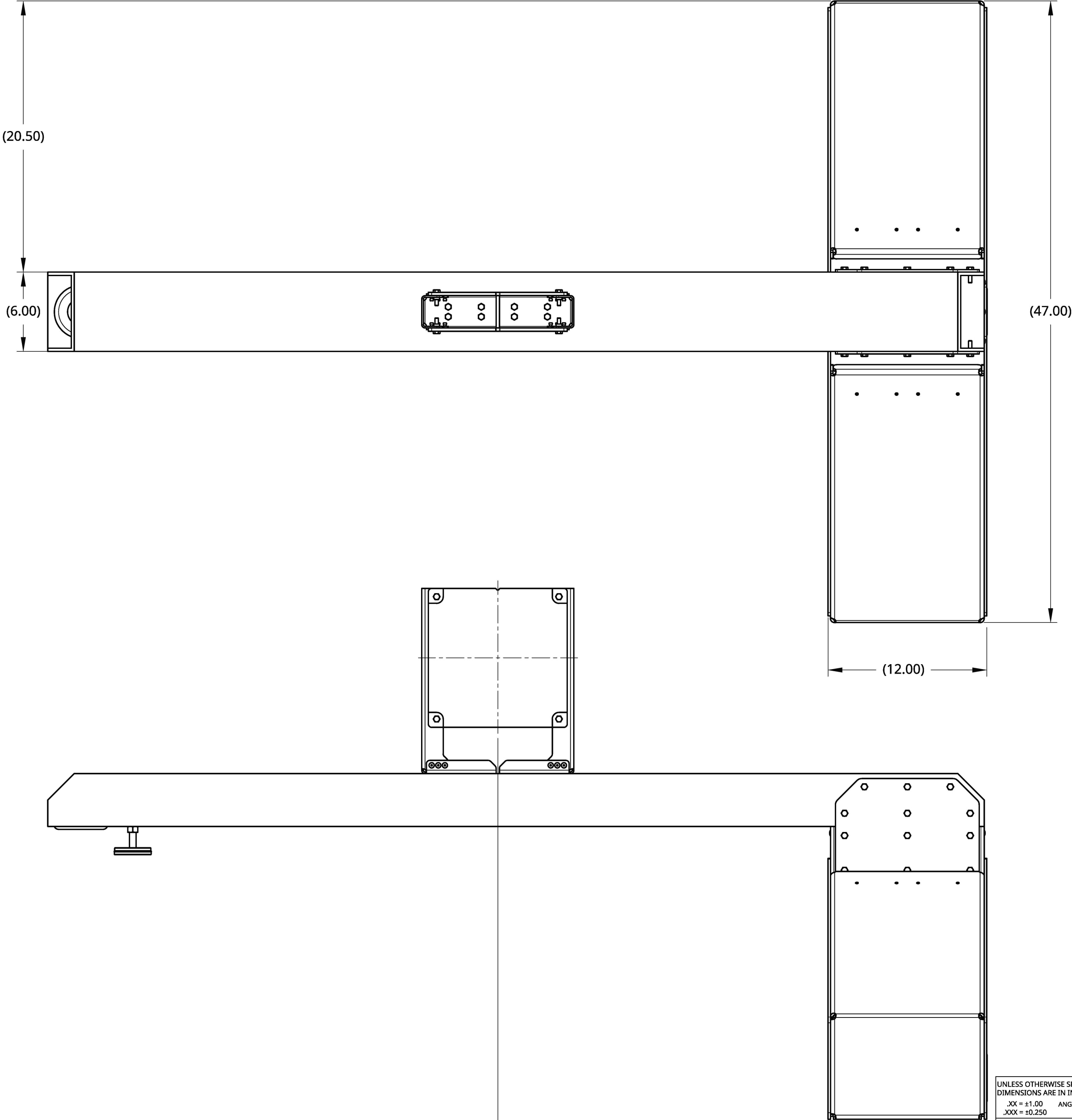
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.XXX = ±0.250

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FIELD	NAME	DATE
DRAWN	CO	12/11/2025

MATERIAL



TITLE		
TRENCH FIXED ASSY		
SIZE C	DWG NO. GE-26202	REV.
SCALE 1:6	SHEET 2 of 2	

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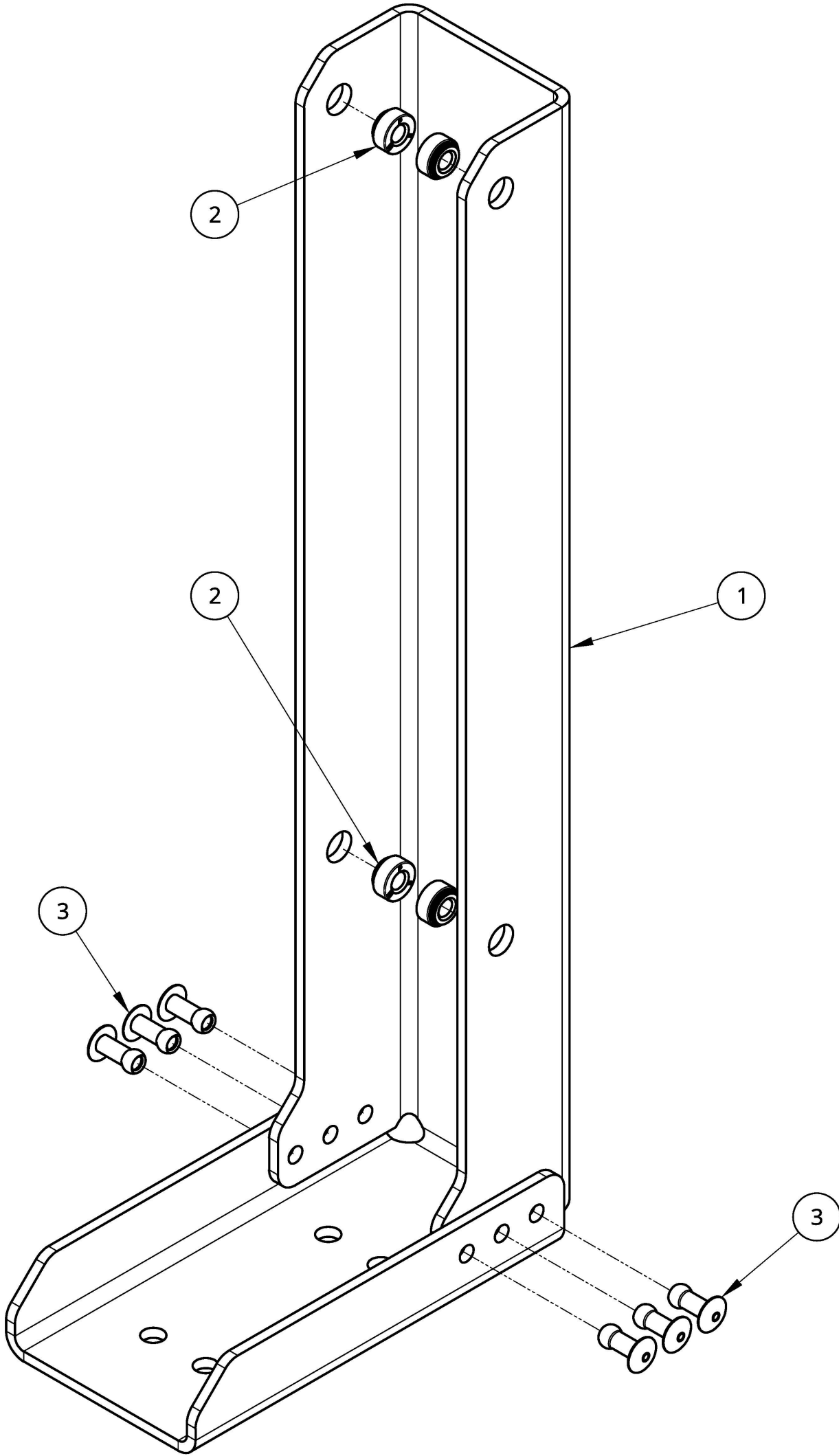
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Item		Quantity	Part number		Description
1		1	GE-26203-01		Trench AprilTag Mount
2		4			PEM S-0420-1 ZI Carbon Steel Zinc plated
3		6			3/16in Rivet, 0.251-0.375in Grip Length

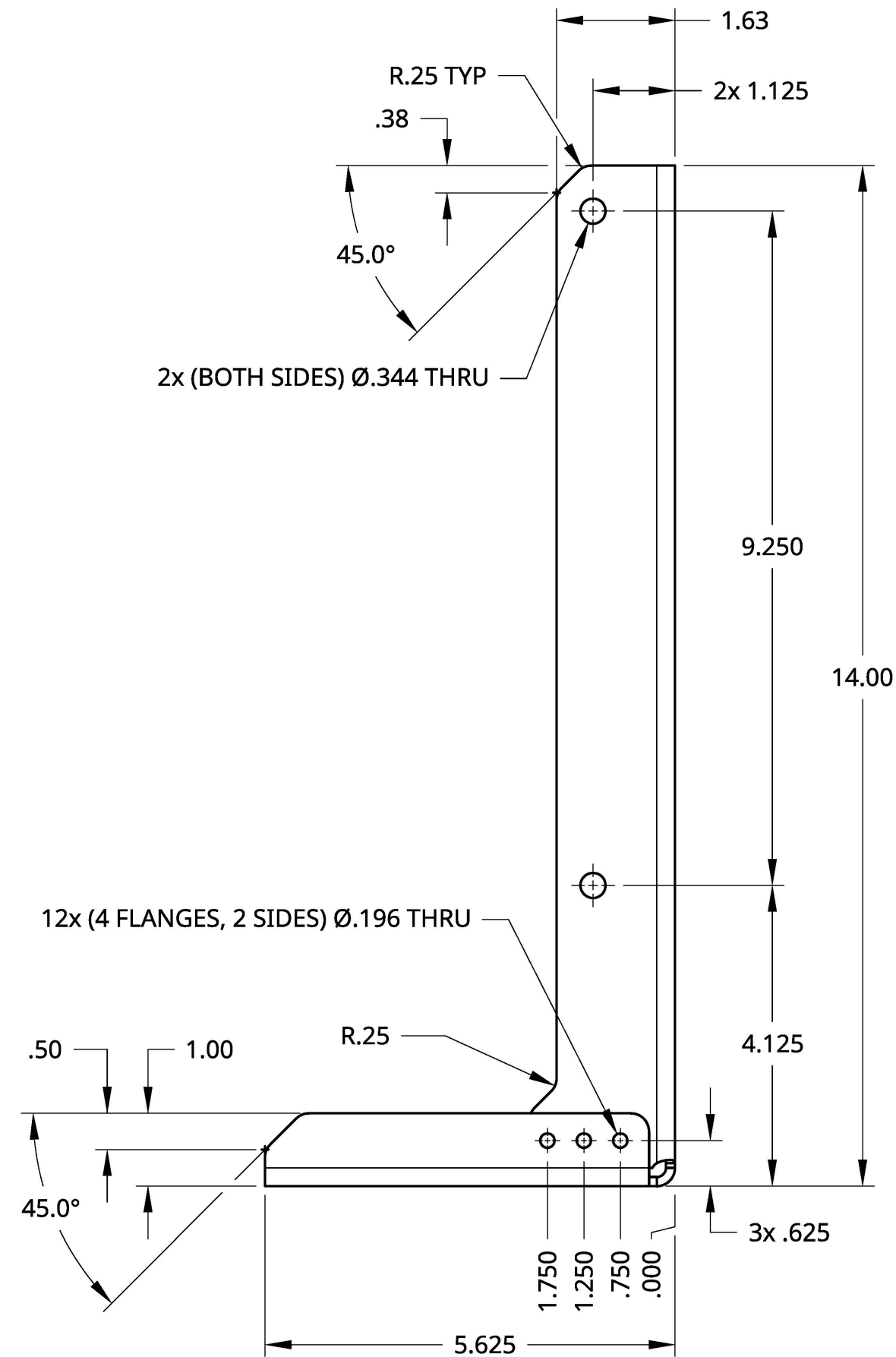
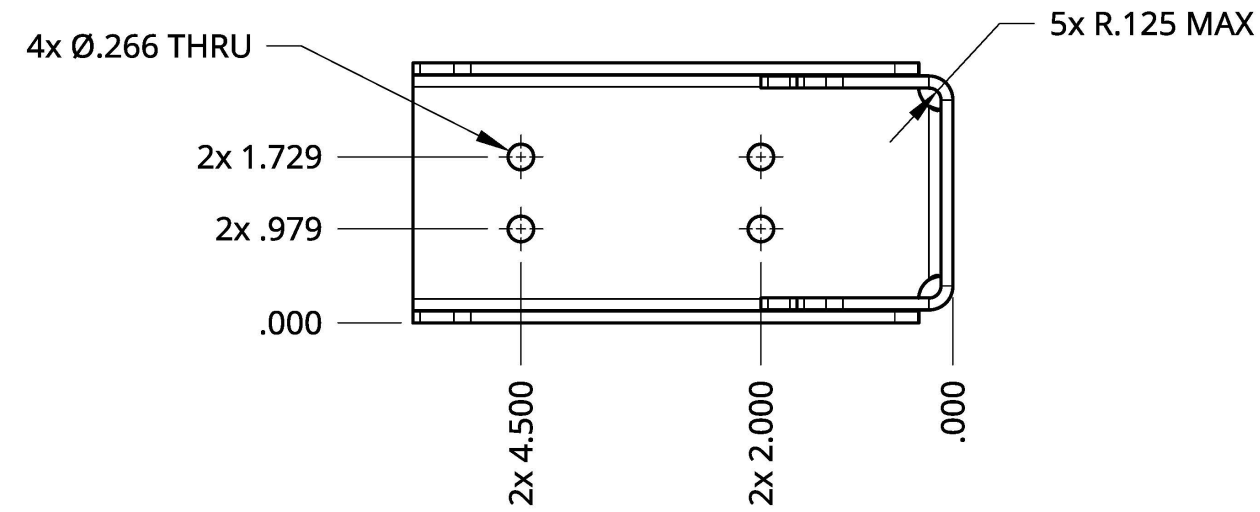
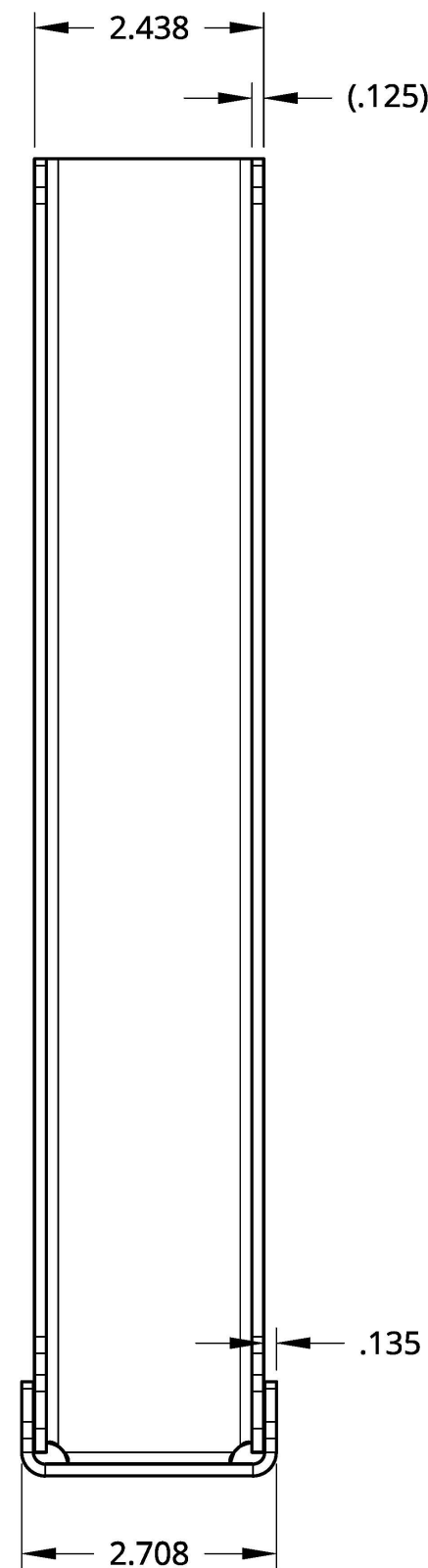
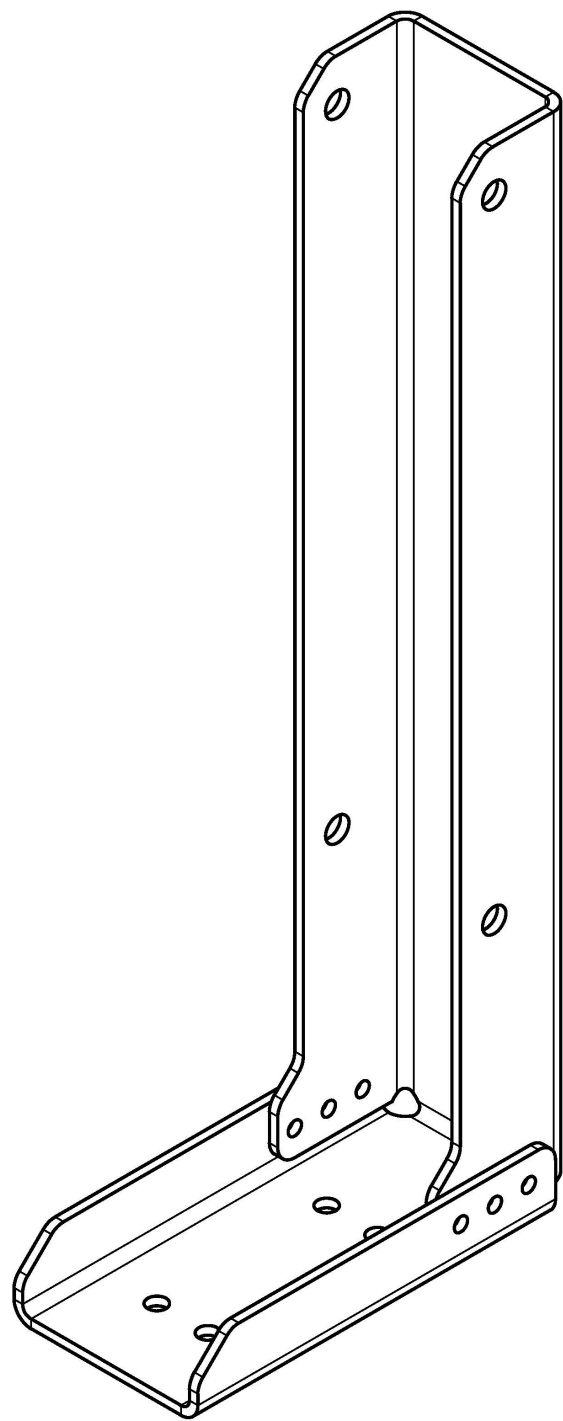
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	BEND	NAME	DATE			
	DRAWN	OCD	09/30/2025			
DO NOT SCALE DRAWING	MATERIAL			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				TRENCH APRILTAG MOUNT ASSY		
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE		
				C		
				DWG NO.	GE-26203	
			SCALE	3:4	SHEET	1 of 2

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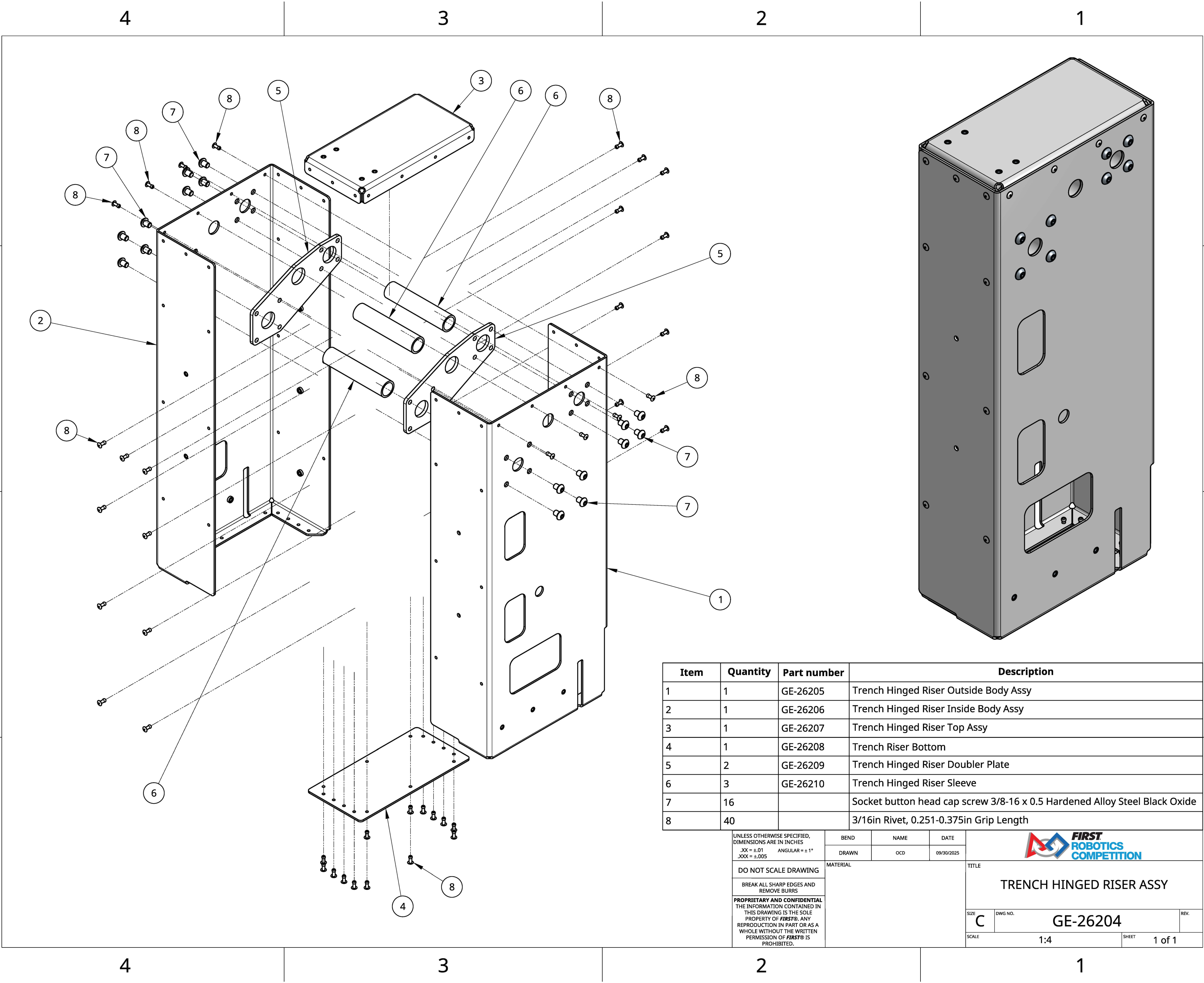
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	DRAWN	OCD	09/30/2025		
	DO NOT SCALE DRAWING			TITLE	
BREAK ALL SHARP EDGES AND REMOVE BURRS	MATERIAL 0.125IN SHEET, 5052 ALUMINUM			TRENCH APRILTAG MOUNT	
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DWG NO. GE-26203-01		SCALE 1:2		SHEET 2 of 2	



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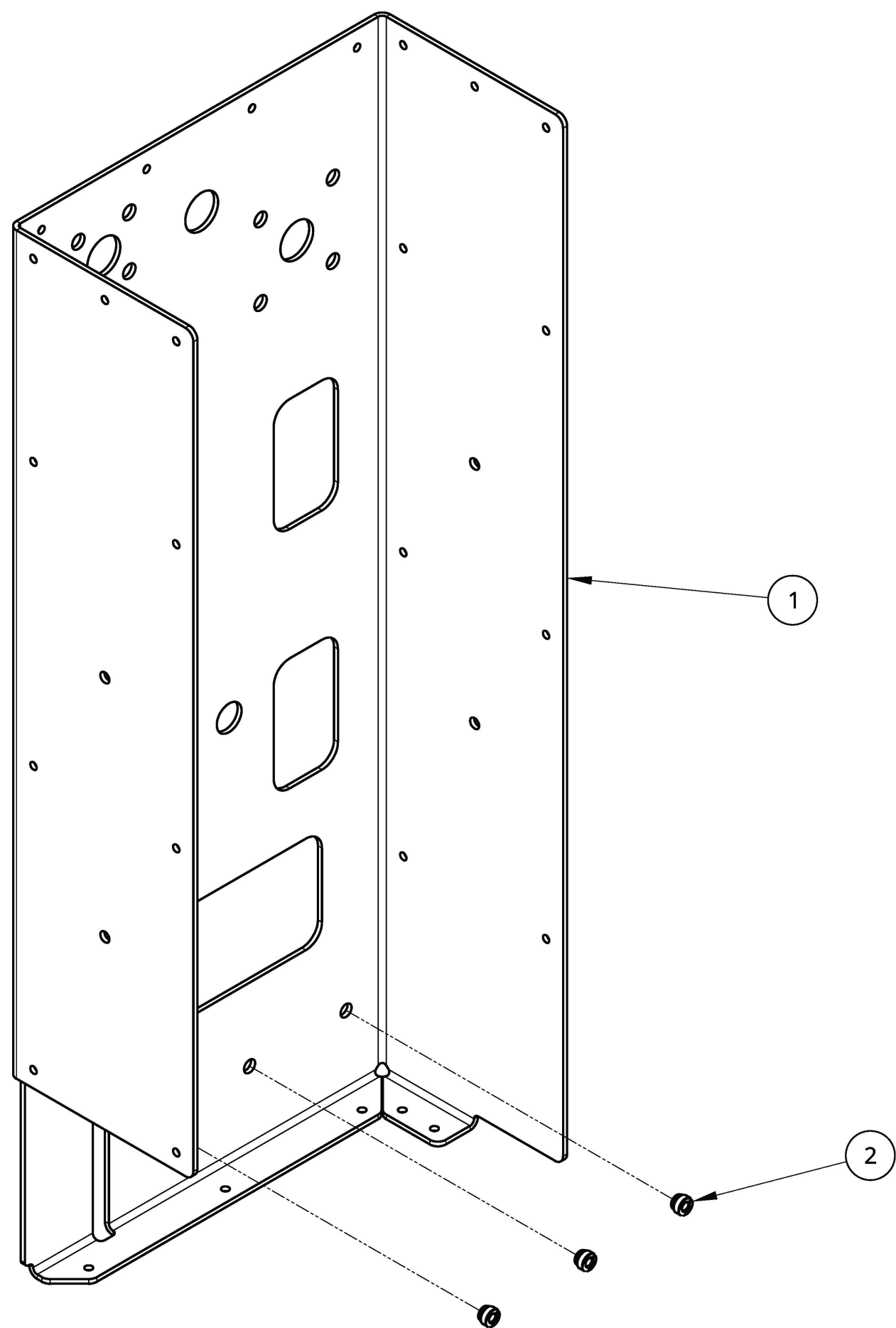
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Item	Quantity	Part number	Description
1	1	GE-26205-01	Trench Hinged Riser Outside Body
2	3		PEM S-0420-3 ZI Carbon Steel Zinc plated

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	BEND	NAME	DATE	 FIRST ROBOTICS COMPETITION
	DRAWN	OCB	09/30/2025	
DO NOT SCALE DRAWING	MATERIAL			TITLE TRENCH HINGED RISER OUTSIDE BODY ASSY
BREAK ALL SHARP EDGES AND REMOVE BURRS				
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	SIZE C DWG NO. GE-26205 REV.			
	SCALE 1:3 SHEET 1 of 2			

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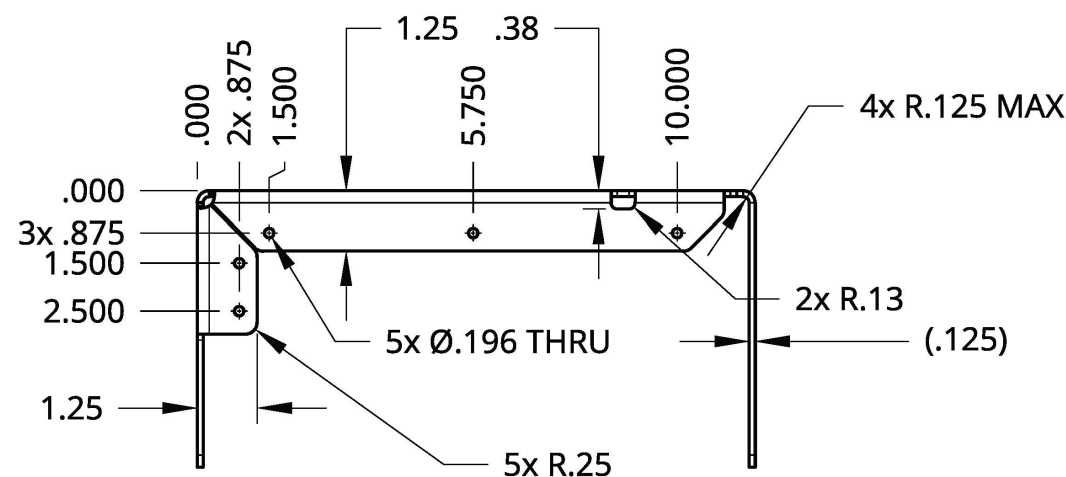
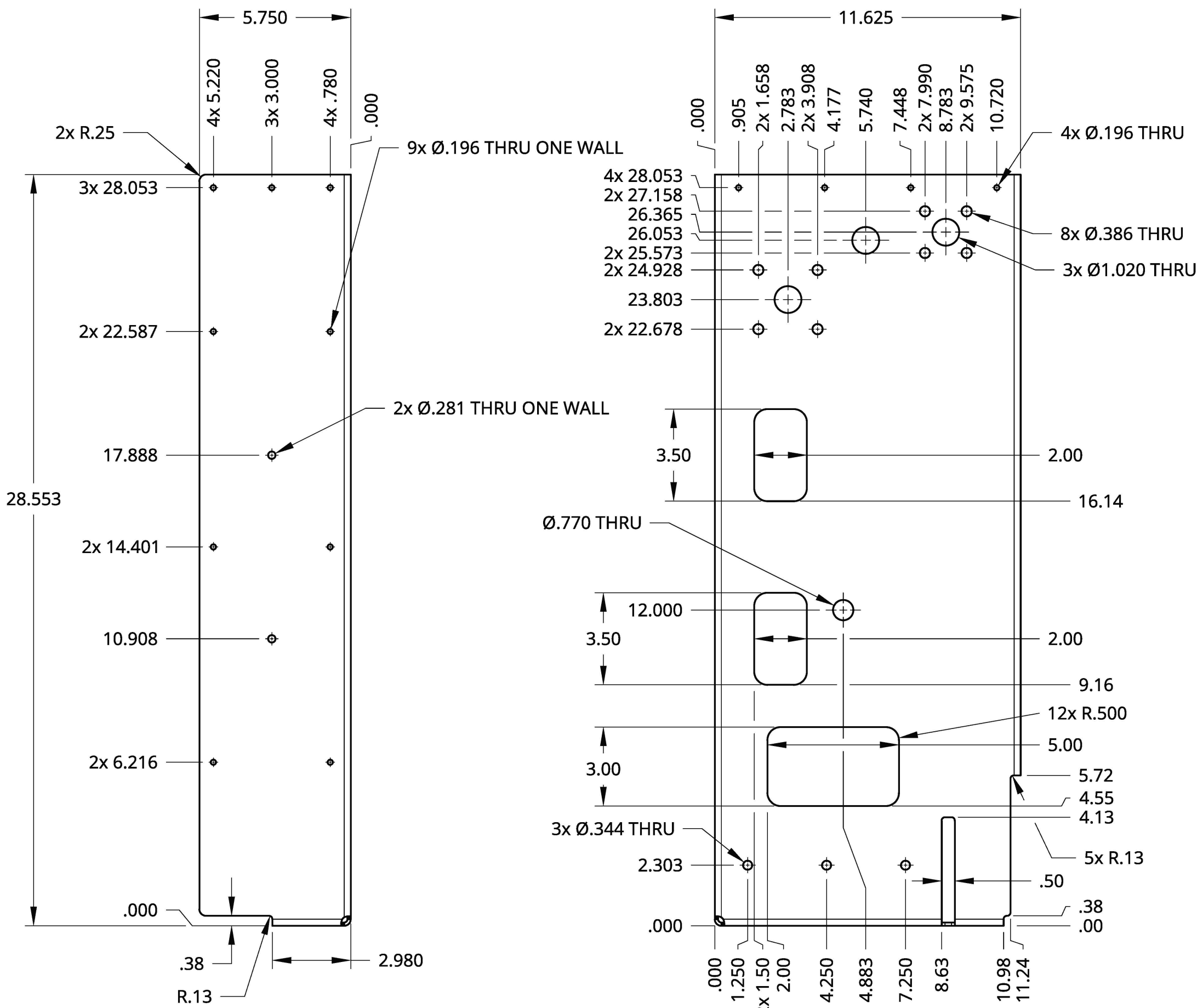
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	BEND	NAME	DATE		
	DRAWN	OCD	09/30/2025		
	DO NOT SCALE DRAWING			TITLE	
BREAK ALL SHARP EDGES AND REMOVE BURRS	MATERIAL			TRENCH HINGED RISER OUTSIDE BODY	
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				SIZE C	REV.
				DWG NO. GE-26205-01	
				SCALE 1:4	SHEET 2 of 2

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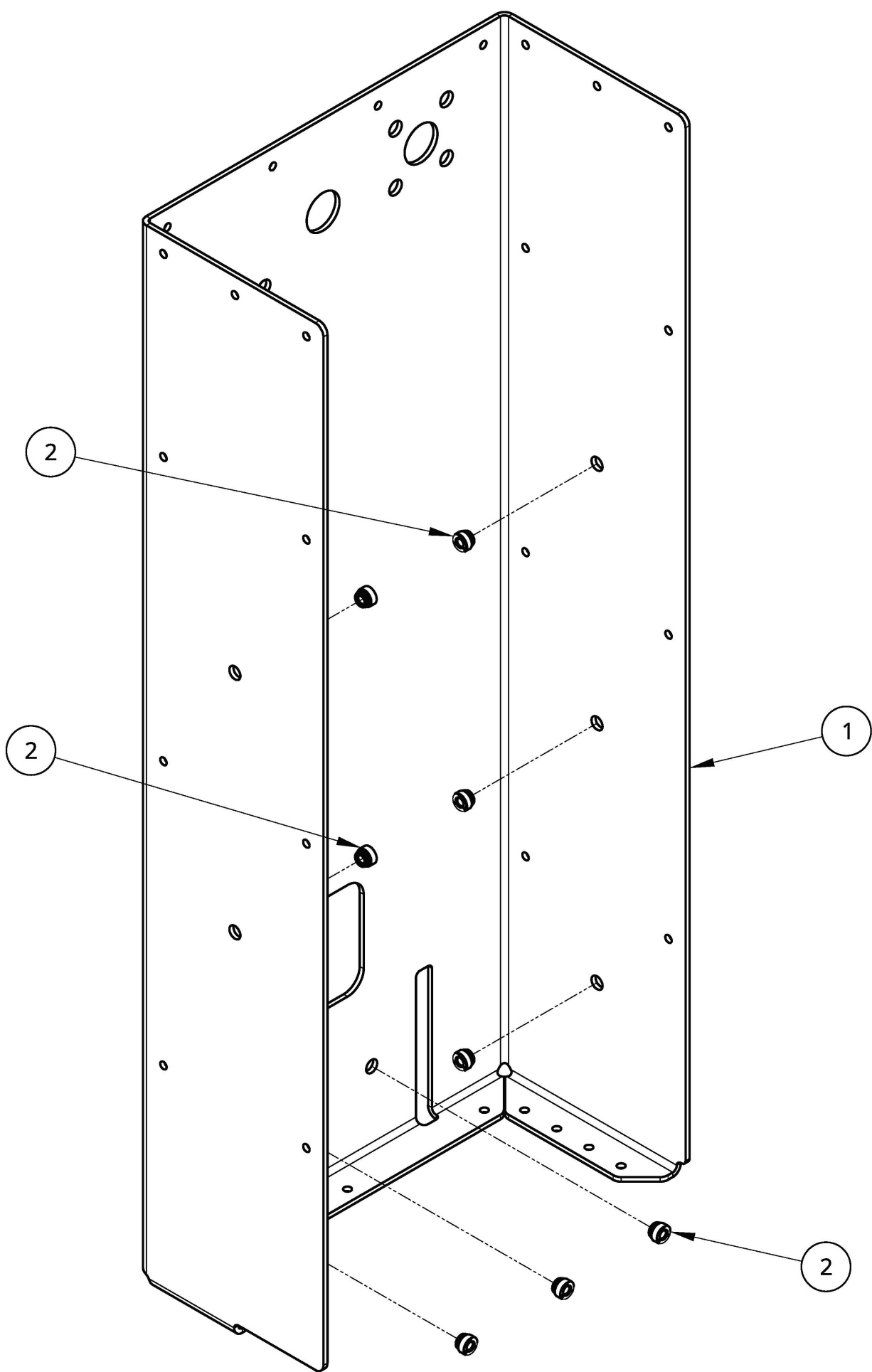
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UNLESS OTHERWISE SPECIFIED,
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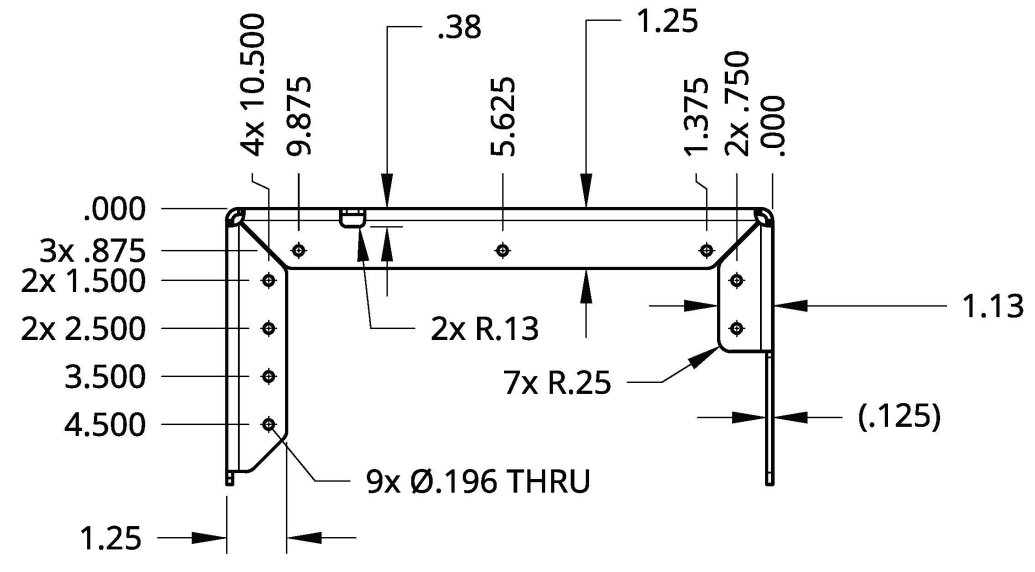
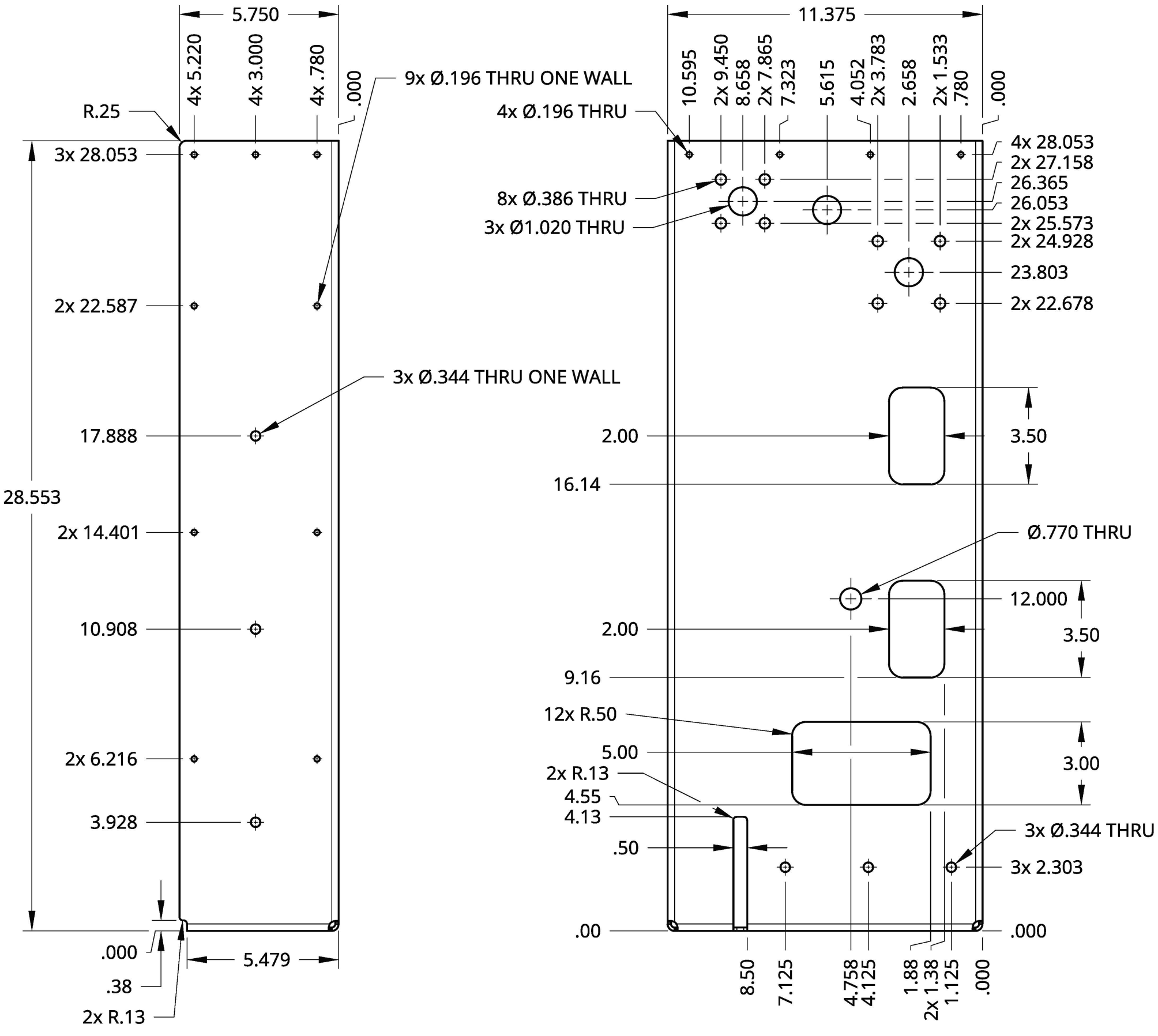
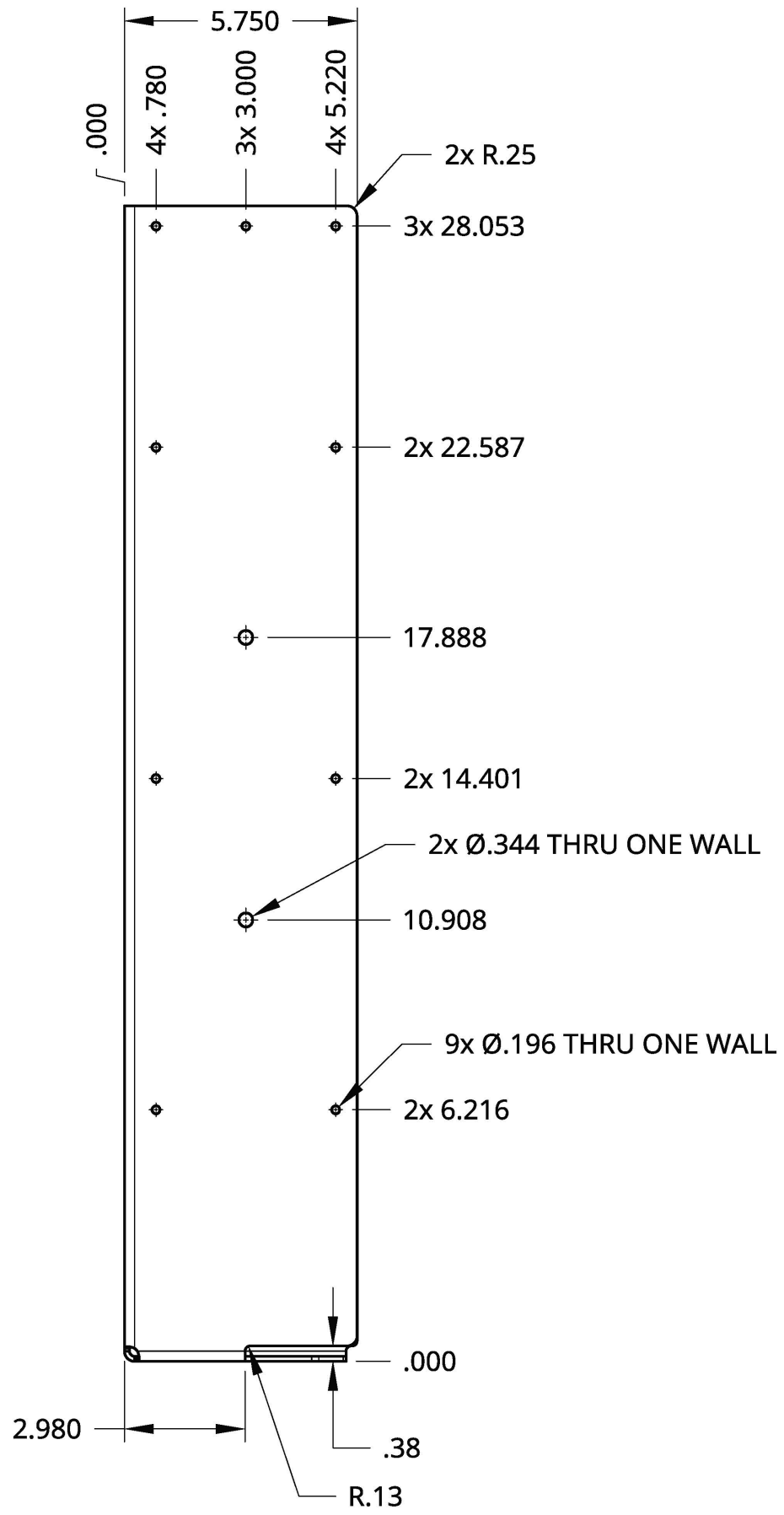
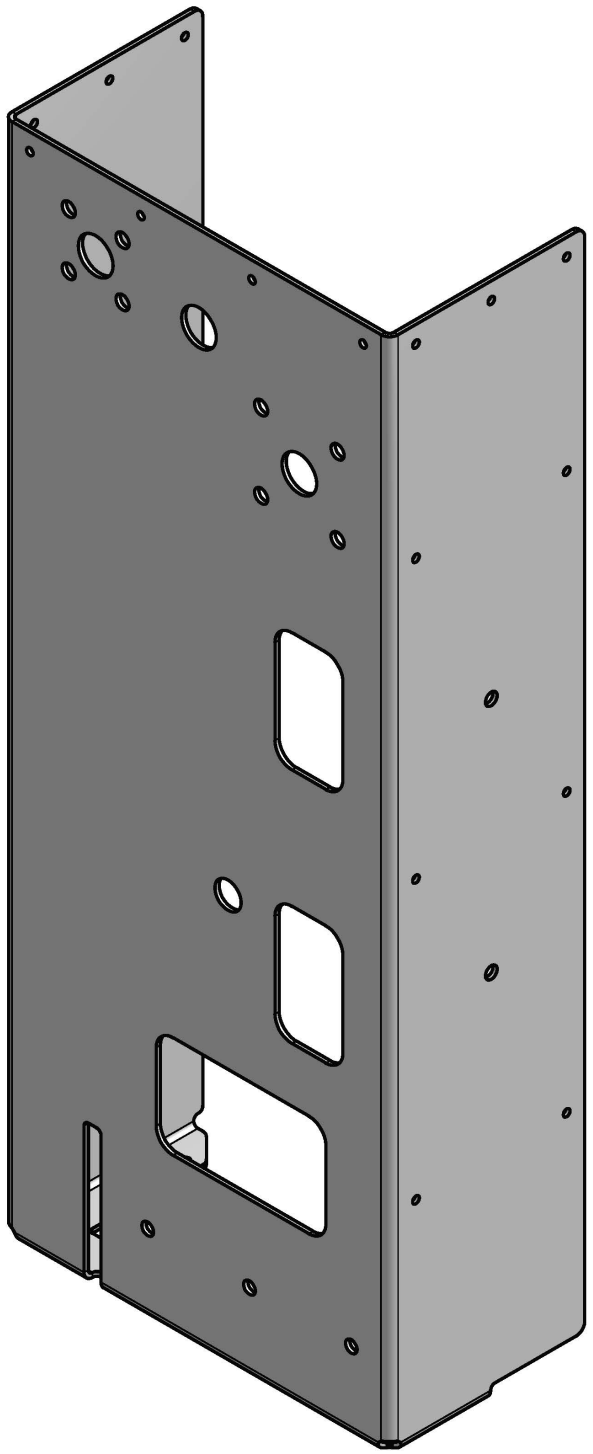
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Item	Quantity	Part number	Description
1	1	GE-26206-01	Trench Hinged Riser Inside Body
2	8		PEM S-0420-3 ZI Carbon Steel Zinc plated

BEND	NAME	DATE		
DRAWN	OCD	09/30/2025	TITLE	
MATERIAL			TRENCH HINGED RISER INSIDE BODY ASSY	
SIZE		DWG NO.	REV.	
C		GE-26206		
SCALE		1:3	SHEET	1 of 2



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	DRAWN	OCD	09/30/2025		
	DO NOT SCALE DRAWING			TITLE	
BREAK ALL SHARP EDGES AND REMOVE BURRS	MATERIAL			TRENCH HINGED RISER INSIDE BODY	
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SIZE		C	DWG NO.	GE-26206-01	REV.
SCALE		1:4		SHEET	2 of 2

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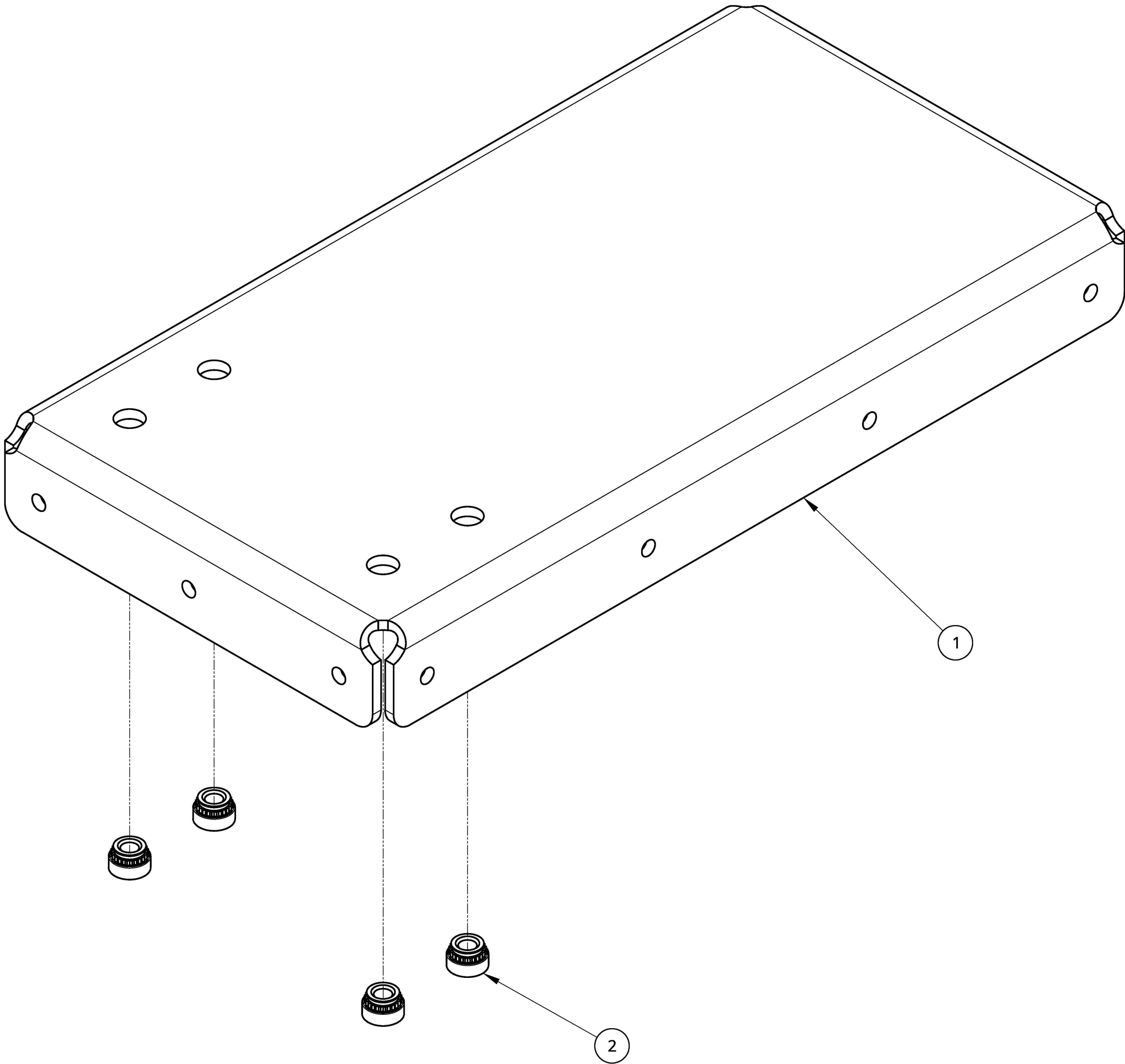
C

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.XXX = ±.005

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Item	Quantity	Part number	Description
1	1	GE-26207-01	Trench Hinged Riser Top
2	4		PEM S-0420-3 ZI Carbon Steel Zinc plated

BEND	NAME	DATE		
DRAWN	OCD	09/30/2025		
MATERIAL			TITLE	
			TRENCH HINGED RISER TOP ASSY	
SIZE C		DWG NO. GE-26207		REV.
SCALE 1:1		SHEET 1 of 2		

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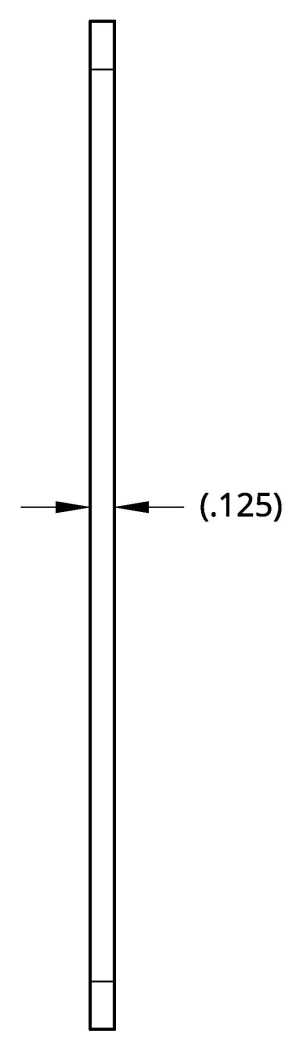
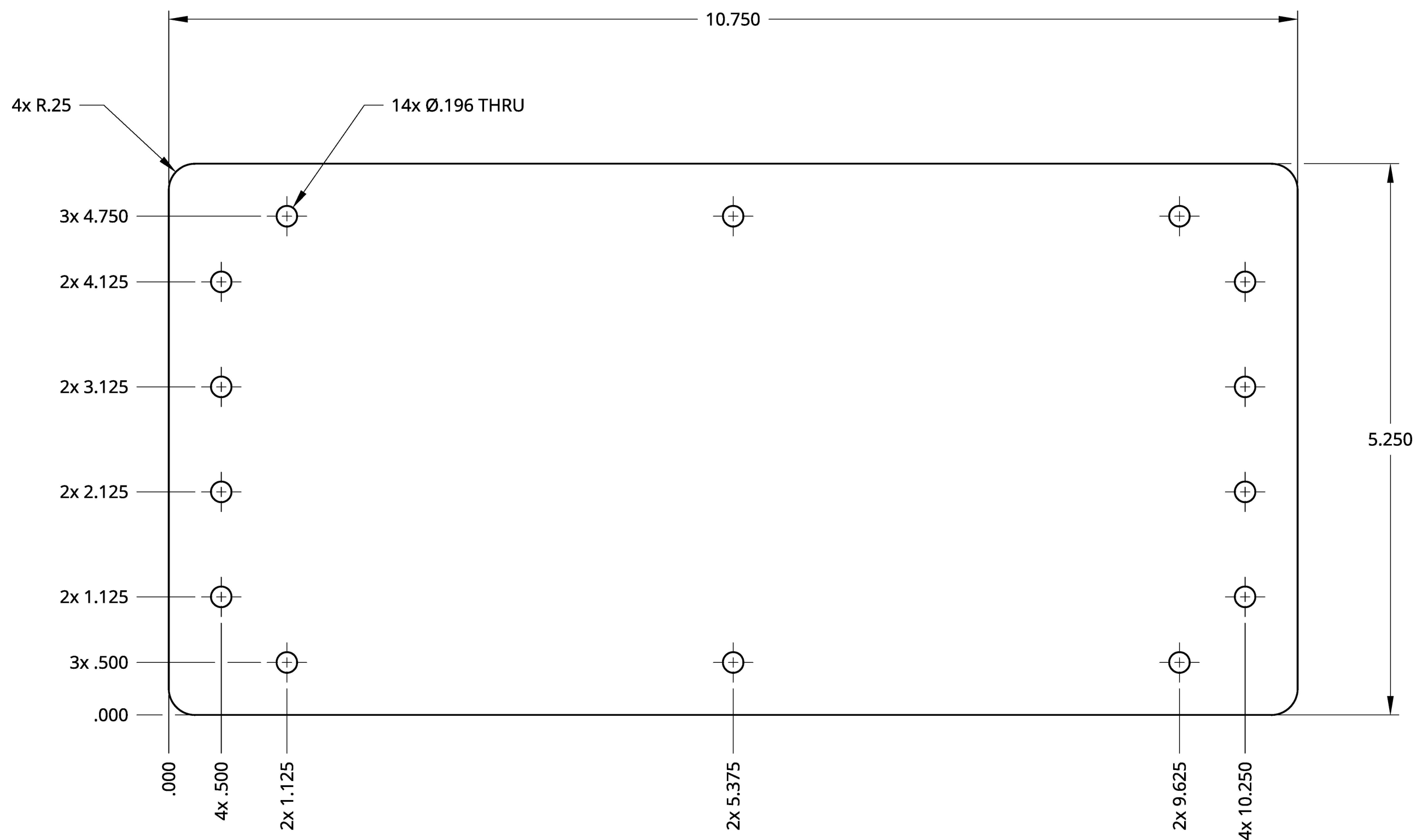
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	BEND	NAME	DATE		
	DRAWN	OCD	09/30/2025		
	MATERIAL			TITLE	
DO NOT SCALE DRAWING	0.125IN SHEET, 5052 ALUMINUM			TRENCH RISER BOTTOM	
BREAK ALL SHARP EDGES AND REMOVE BURRS				SIZE C	DWG NO. GE-26208
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SCALE 1:1	REV. 1 of 1

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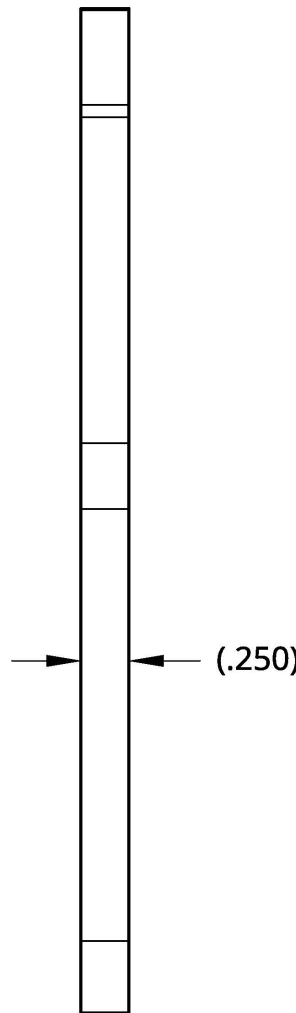
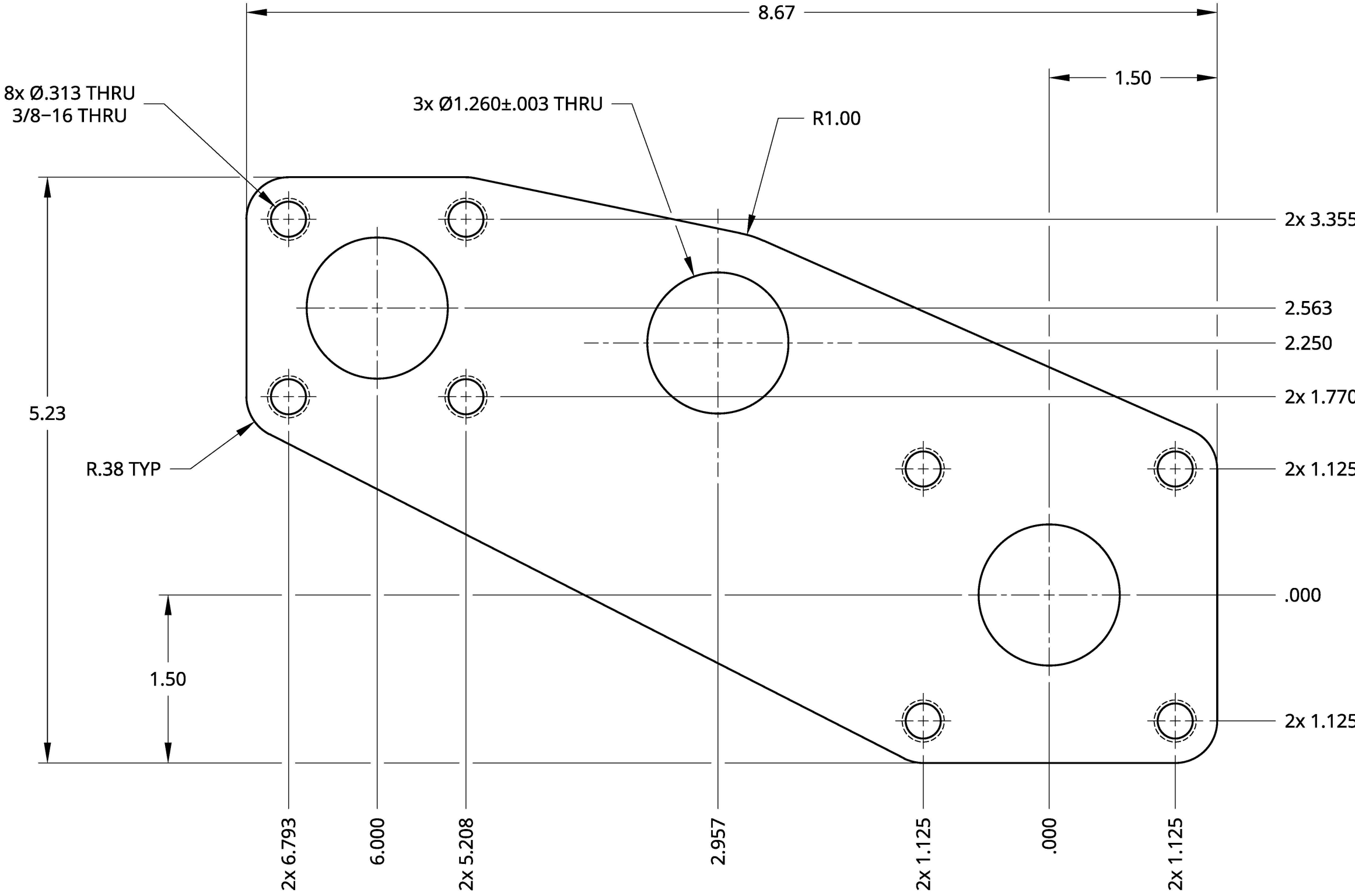
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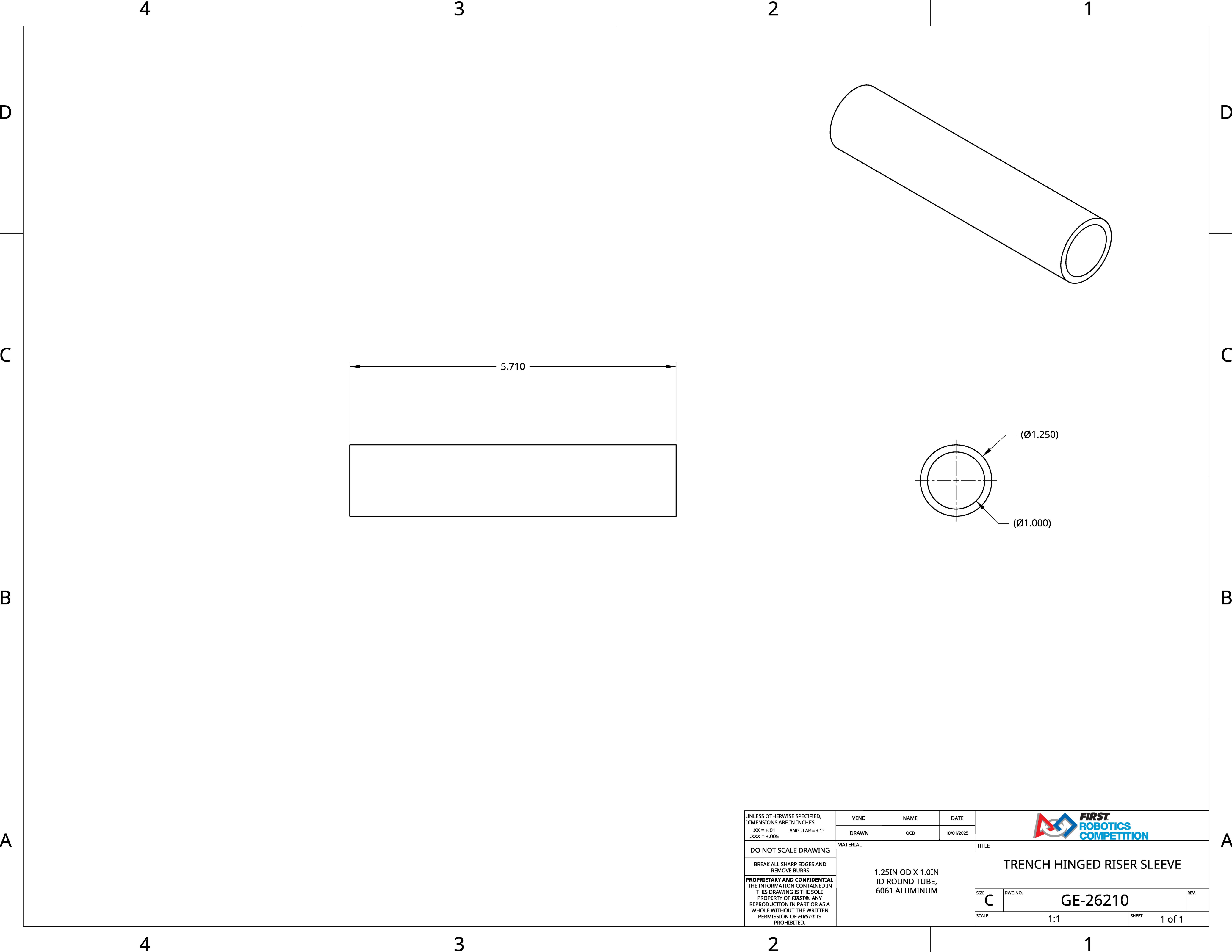
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE		
	DRAWN	OCD	10/01/2025		
	MATERIAL			TITLE	
	0.25IN PLATE, 6061 ALUMINUM			TRENCH HINGED RISER DOUBLER PLATE	
DO NOT SCALE DRAWING	0.25IN PLATE, 6061 ALUMINUM			SIZE	REV.
BREAK ALL SHARP EDGES AND REMOVE BURRS				C	
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SCALE	1 of 1
			1:1	SHEET 1 of 1	



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005 DO NOT SCALE DRAWING BREAK ALL SHARP EDGES AND REMOVE BURRS PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF <i>FIRST</i> ®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF <i>FIRST</i> ® IS PROHIBITED.	VEND	NAME	DATE			
	DRAWN	OCD	10/01/2025			
	MATERIAL 1.25IN OD X 1.0IN ID ROUND TUBE, 6061 ALUMINUM			TITLE TRENCH HINGED RISER SLEEVE		
				SIZE C	DWG NO. GE-26210	REV.
SCALE 1:1			SHEET 1 of 1			

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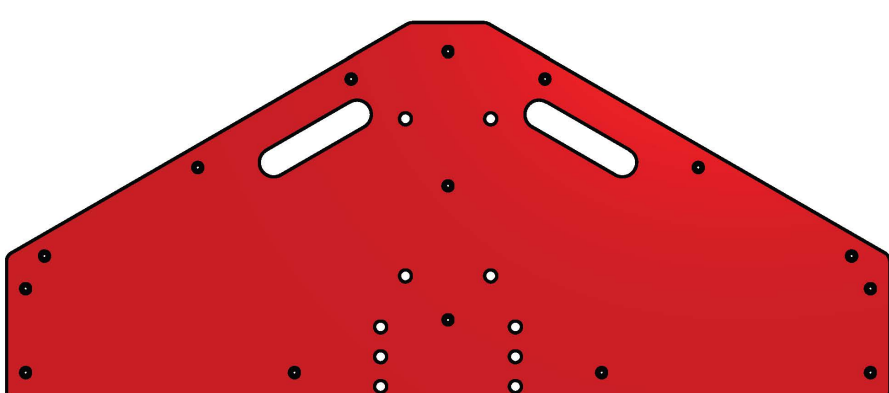
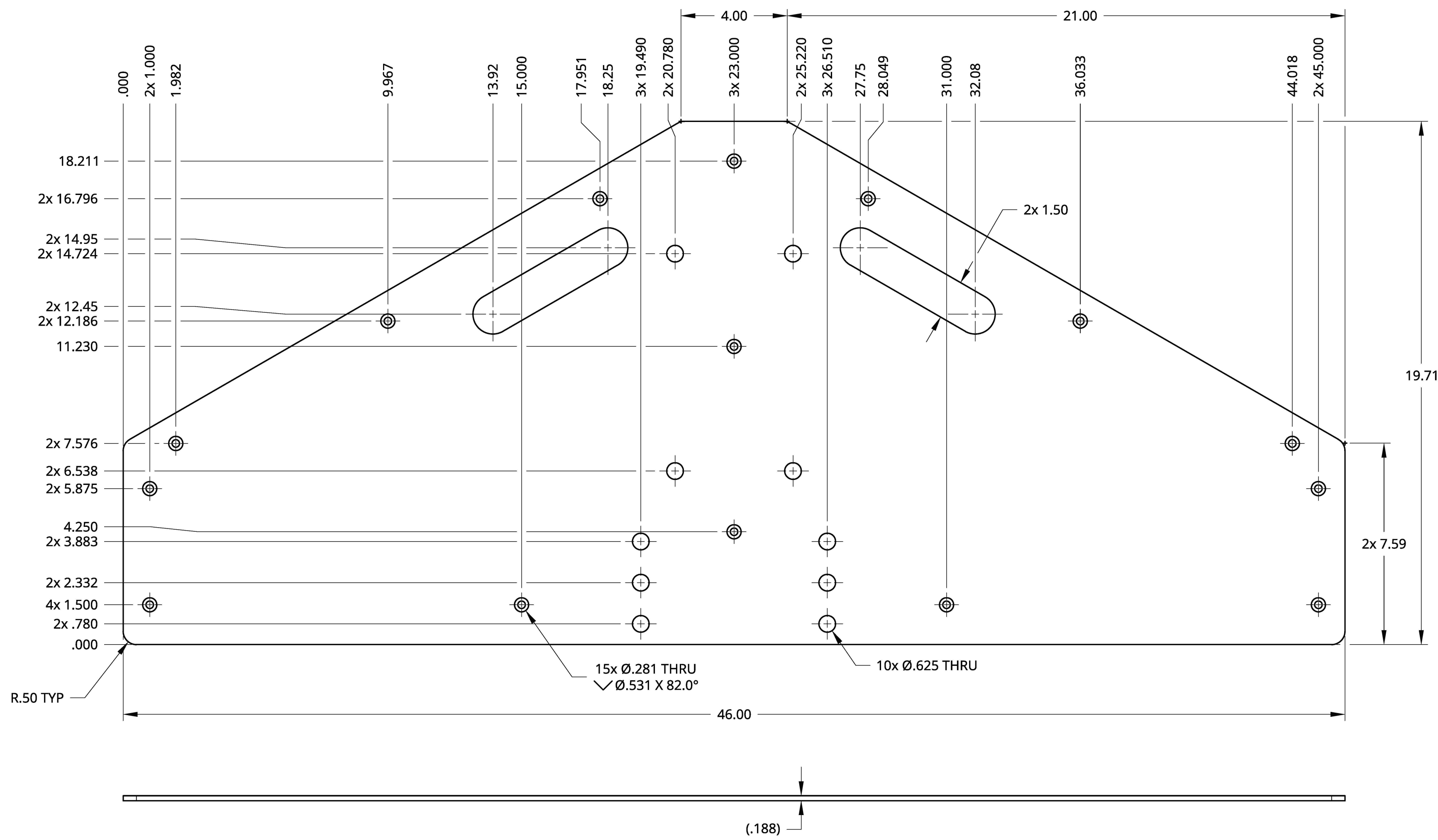
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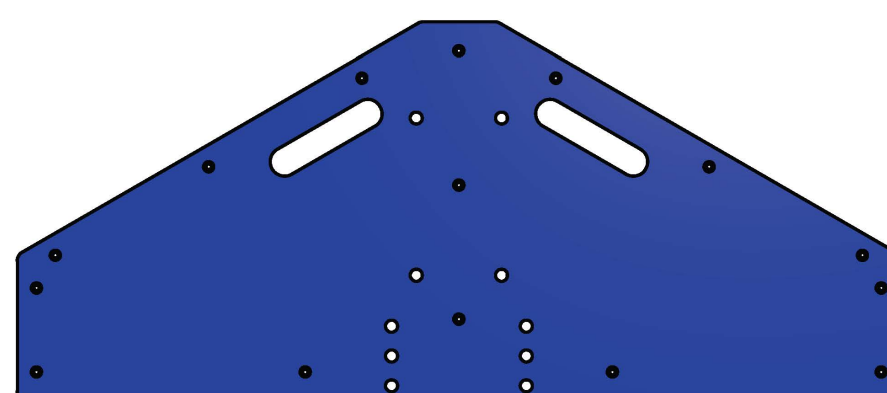
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GE-26211-RED



GE-26211-BLUE

POWDER COATING				
PART NUMBER		COLOR		
GE-26211-RED		Powder Coated (Tiger Drylac, 149/33333 Bengal Red, Smooth, High Gloss)		
GE-26211-BLUE		Powder Coated (Tiger Drylac, 149/44444 Bengal Blue, Smooth, High Gloss)		
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005		BEND DRAWN	NAME OCD	DATE 10/01/2025
DO NOT SCALE DRAWING		MATERIAL 0.188IN PLATE, LOW CARBON STEEL, POWDER COATED (SEE TABLE)		TITLE TRENCH OUTSIDE SKIRT
BREAK ALL SHARP EDGES AND REMOVE BURRS		PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.		SIZE C
				DWG NO. GE-26211
				REV.
				SCALE 1:3
				SHEET 1 of 1

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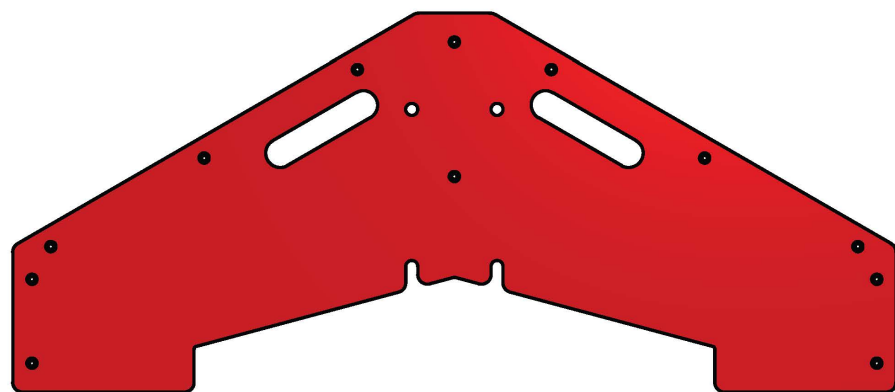
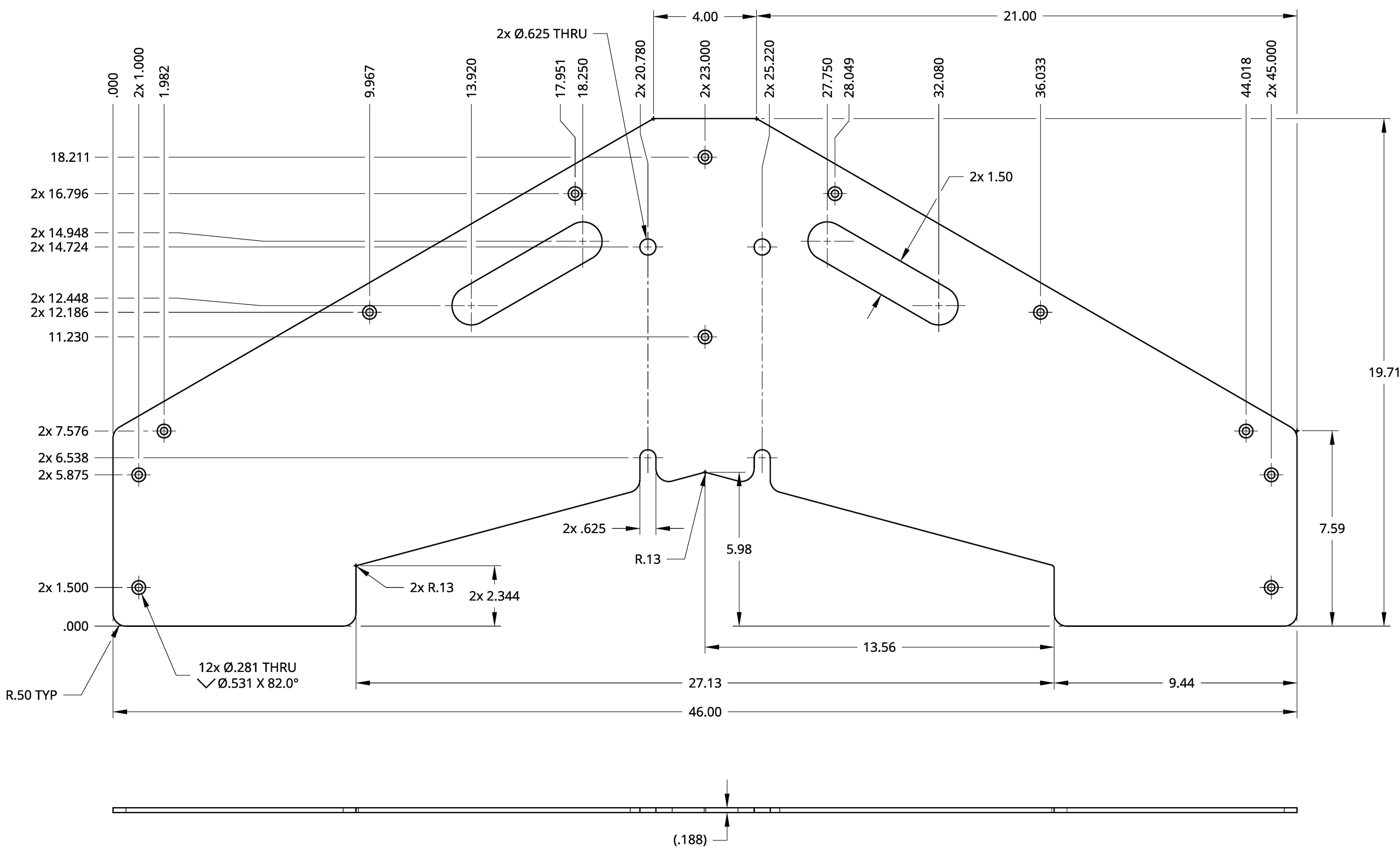
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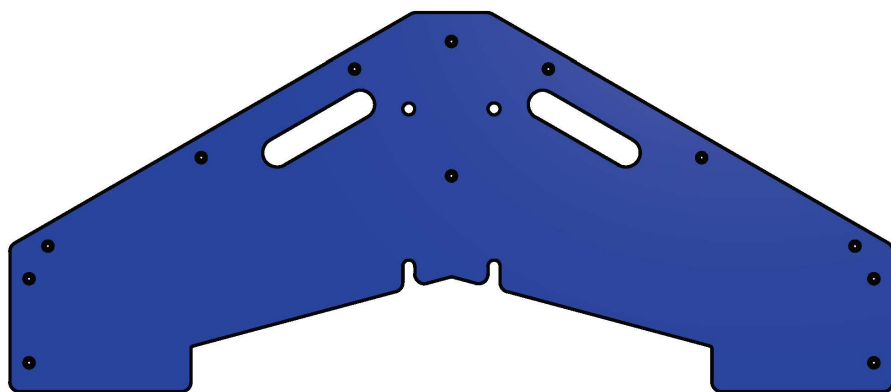
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GE-26212-RED

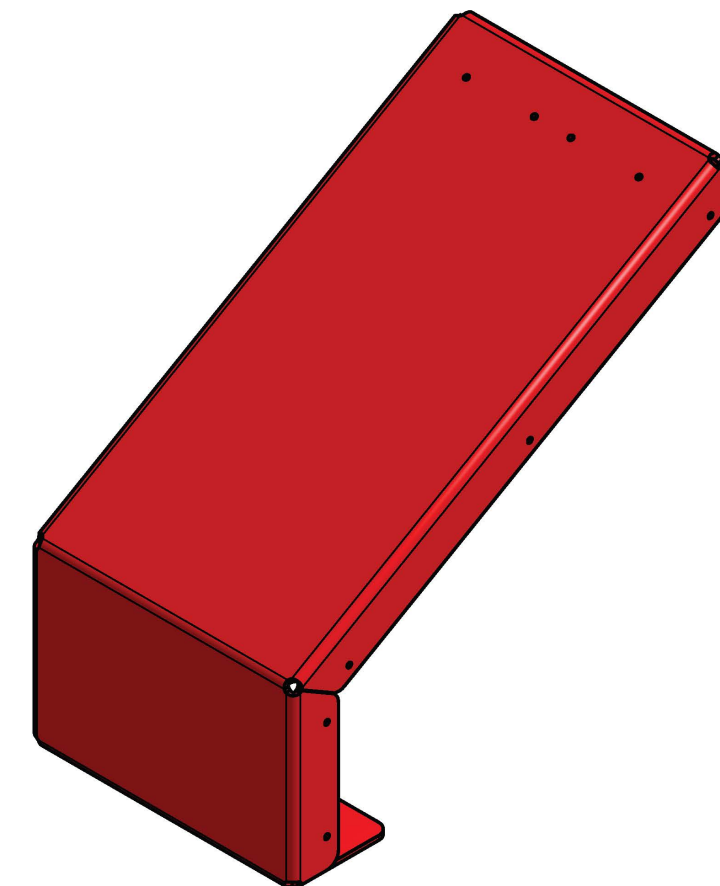


GE-26212-BLUE

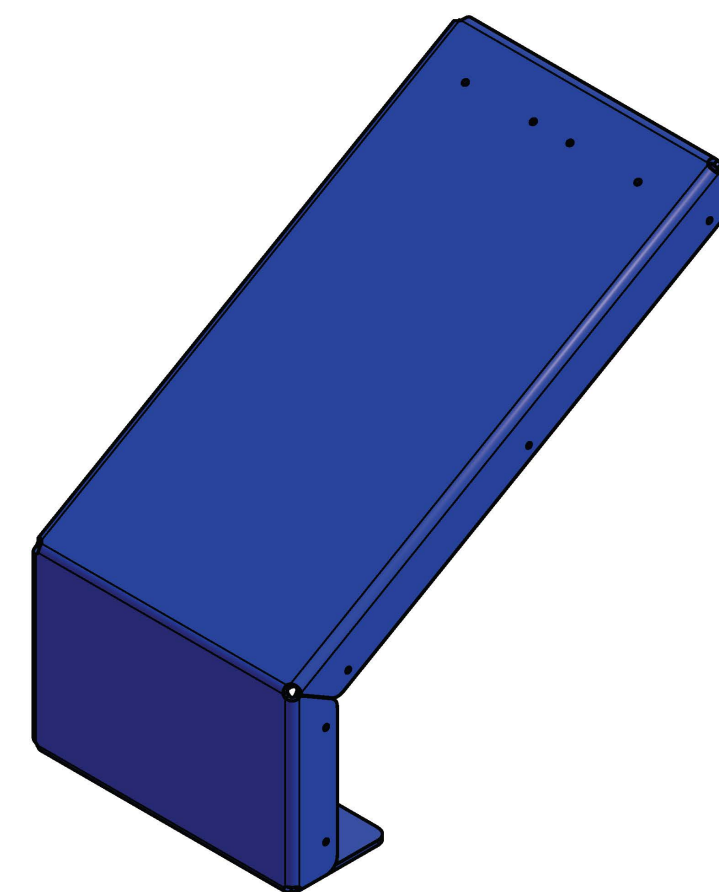
POWDER COATING			
PART NUMBER		COLOR	
GE-26212-RED		Powder Coated (Tiger Drylac, 149/33333 Bengal Red, Smooth, High Gloss)	
GE-26212-BLUE		Powder Coated (Tiger Drylac, 149/44444 Bengal Blue, Smooth, High Gloss)	

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	BEND	NAME	DATE			
	DRAWN	OCD	10/01/2025			
DO NOT SCALE DRAWING	MATERIAL 0.188IN PLATE, LOW CARBON STEEL, POWDER COATED (SEE TABLE)			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				TRENCH INSIDE SKIRT		
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE C	DWG NO. GE-26212	REV.
				SCALE 1:3	SHEET 1 of 1	

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GE-26213-RED



GE-26213-BLUE

POWDER COATING	
PART NUMBER	COLOR
GE-26213-RED	Powder Coated (Tiger Drylac, 149/33333 Bengal Red, Smooth, High Gloss)
GE-26213-BLUE	Powder Coated (Tiger Drylac, 149/44444 Bengal Blue, Smooth, High Gloss)

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	BEND	NAME	DATE			
	DRAWN	OC'D	10/01/2025			
DO NOT SCALE DRAWING	MATERIAL 0.188IN PLATE, LOW CARBON STEEL, POWDER COATED (SEE TABLE)			TITLE TRENCH SIDE SKIRT		
BREAK ALL SHARP EDGES AND REMOVE BURRS						
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®, ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE C	DWG NO. GE-26213	
SCALE		1:3		SHEET		1 of 1

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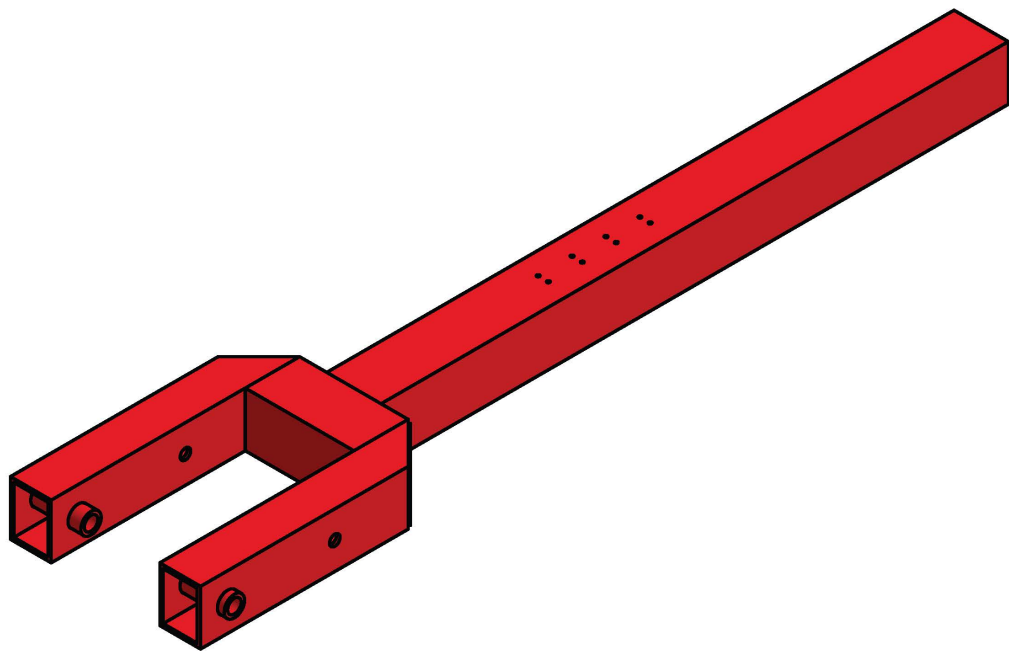
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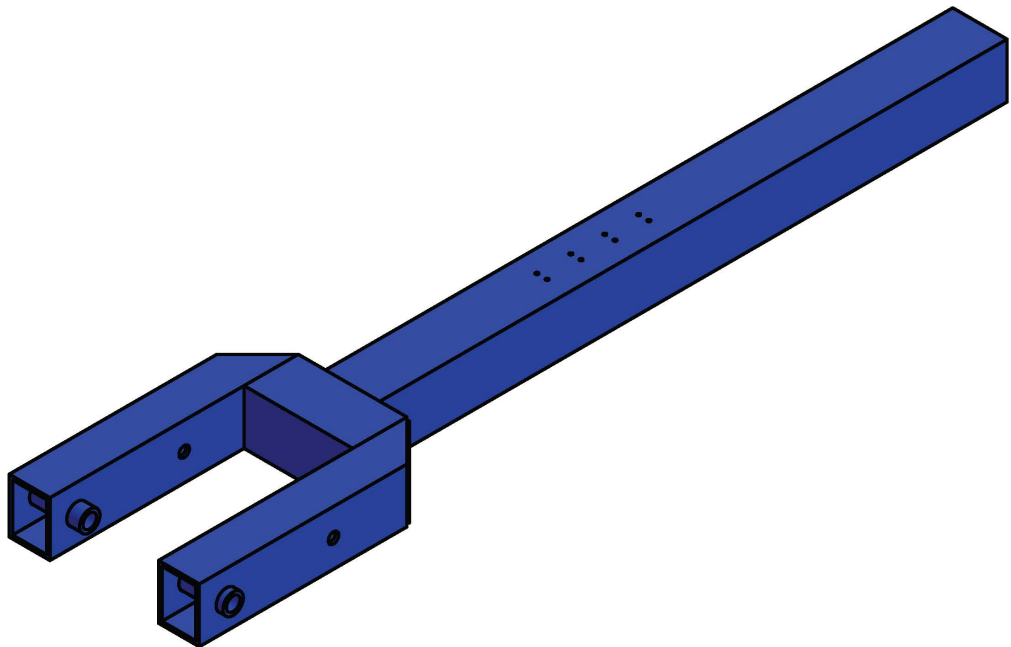
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Plug hole for powder coating (2x)

Plug holes for powder coating (8x)



GE-26214-RED



GE-26214-BLUE

POWDER COATING	
PART NUMBER	COLOR
GE-26214-RED	Powder Coated (Tiger Drylac, 149/33333 Bengal Red, Smooth, High Gloss)
GE-26214-BLUE	Powder Coated (Tiger Drylac, 149/44444 Bengal Blue, Smooth, High Gloss)

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES
.XX = ±.02 ANGULAR = ± 1°
.XXX = ±.010

DO NOT SCALE DRAWING

BREAK ALL SHARP EDGES AND
REMOVE BURRS

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN
THIS DRAWING IS THE SOLE
PROPERTY OF FIRST®. ANY
REPRODUCTION IN PART OR AS A
WHOLE WITHOUT THE WRITTEN
PERMISSION OF FIRST® IS
PROHIBITED.

Item	Quantity	Part number	Description
1	1	GE-26214-01	Trench Hinged Arm Main Tube
2	1	GE-26214-02	Trench Hinged Arm Cross Tube
3	2	GE-26214-03	Trench Hinged Arm Side Tube
4	1	GE-26214-04	Trench Hinged Arm End Cap
5	2	GE-26214-05	Trench Hinged Arm Side Cap
6	2	GE-26214-06	Trench Hinged Arm Pivot Tube

WELD	NAME	DATE		
DRAWN	OCD	09/03/2025		
MATERIAL			TITLE	
POWDER COATED (SEE TABLE)			TRENCH HINGED ARM WELDMENT	
			SIZE C	REV.
			DWG NO. GE-26214	
SCALE 1:4			SHEET 1 of 8	

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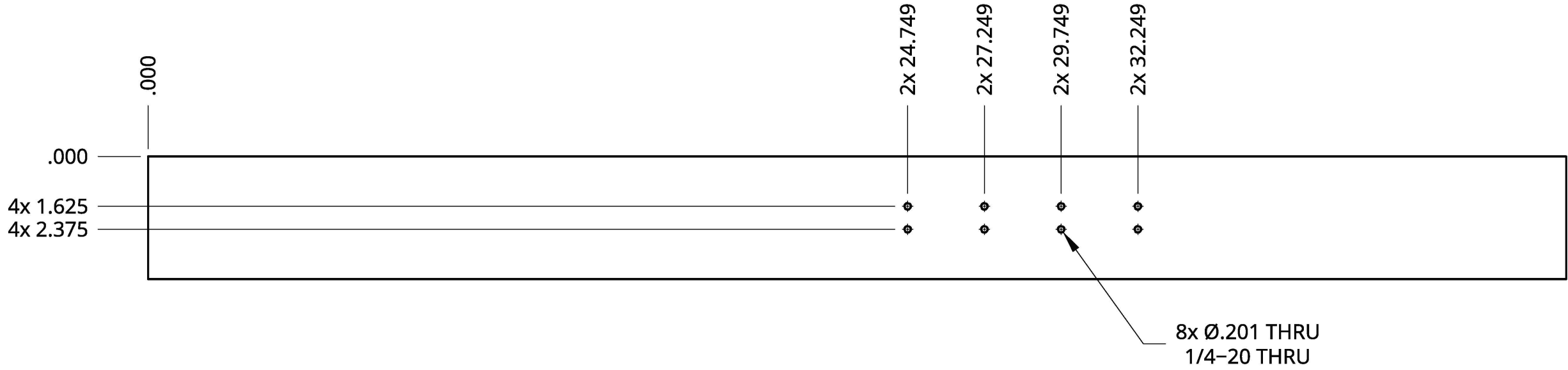
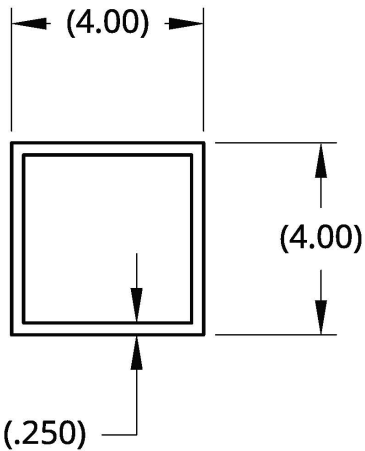
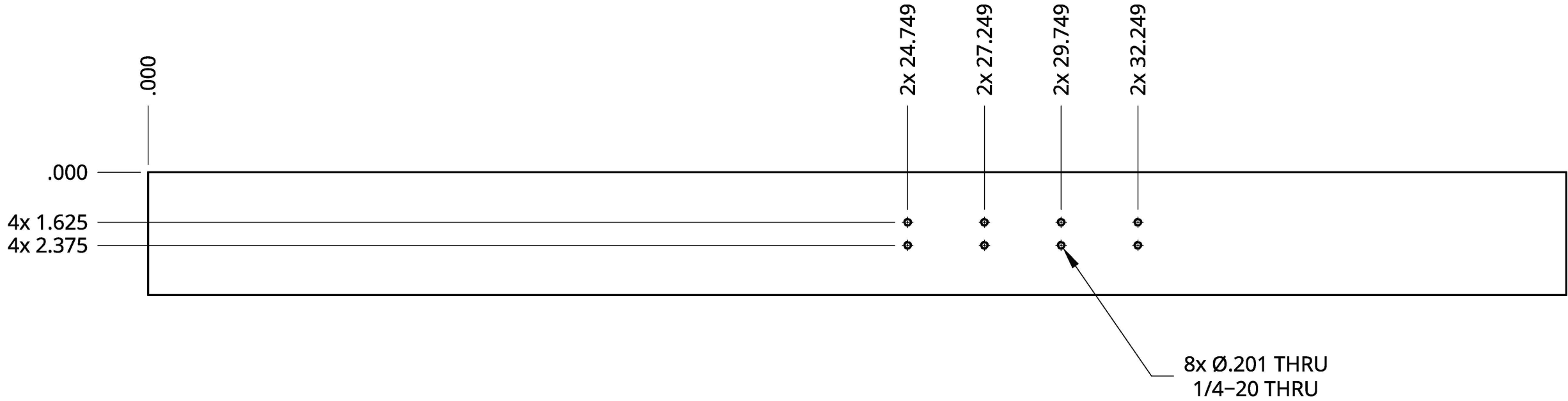
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.02 ANGULAR = ± 1° .XXX = ±.010	WELD	NAME	DATE			
	DRAWN	OCD	09/03/2025			
DO NOT SCALE DRAWING	MATERIAL 4IN X 0.25IN SQUARE TUBE, 6061 ALUMINUM			TITLE TRENCH HINGED ARM MAIN TUBE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				SIZE C	DWG NO. GE-26214-01	REV.
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SCALE 1:4	SHEET 3 of 8	

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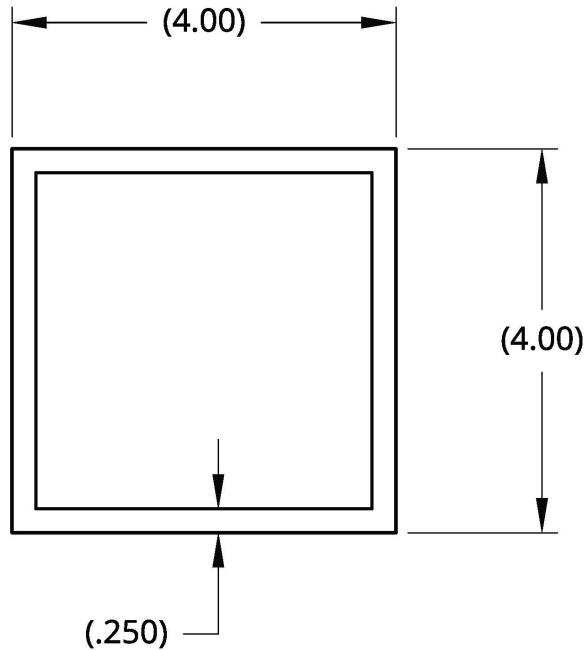
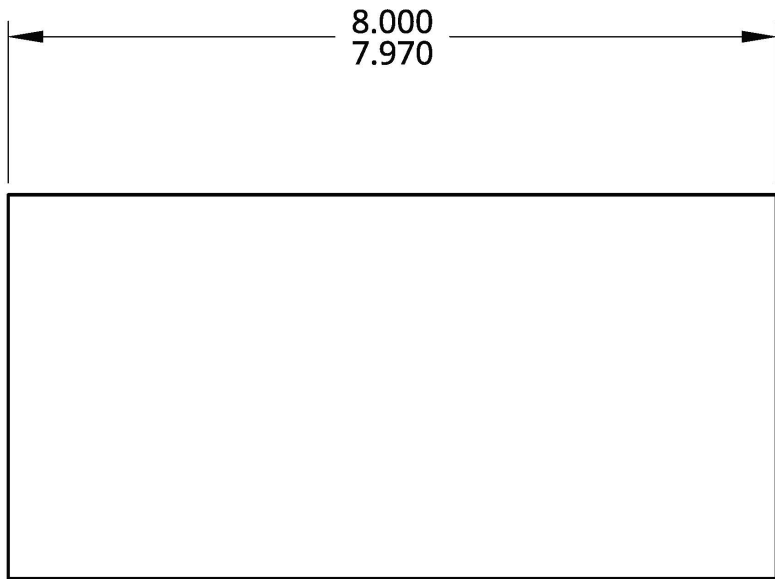
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.02 ANGULAR = ± 1° .XXX = ±.010	WELD	NAME	DATE		
	DRAWN	OCD	09/03/2025		
	MATERIAL			TITLE	
DO NOT SCALE DRAWING	4IN X 0.25IN SQUARE TUBE, 6061 ALUMINUM			TRENCH HINGED ARM CROSS TUBE	
BREAK ALL SHARP EDGES AND REMOVE BURRS				SIZE C	REV.
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				DWG NO. GE-26214-02	
				SCALE 1:2	SHEET 4 of 8

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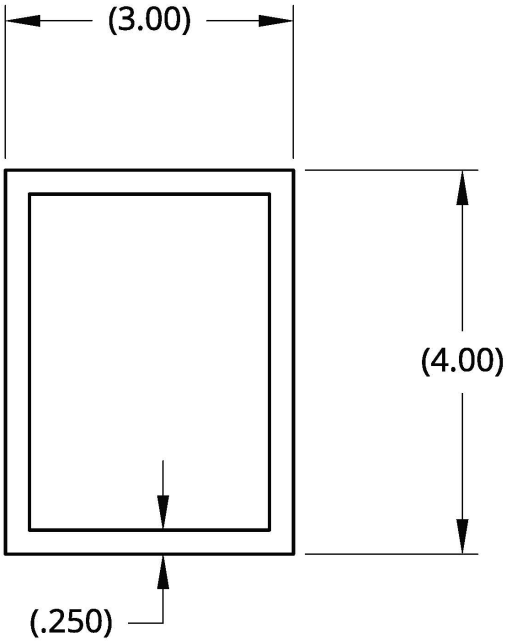
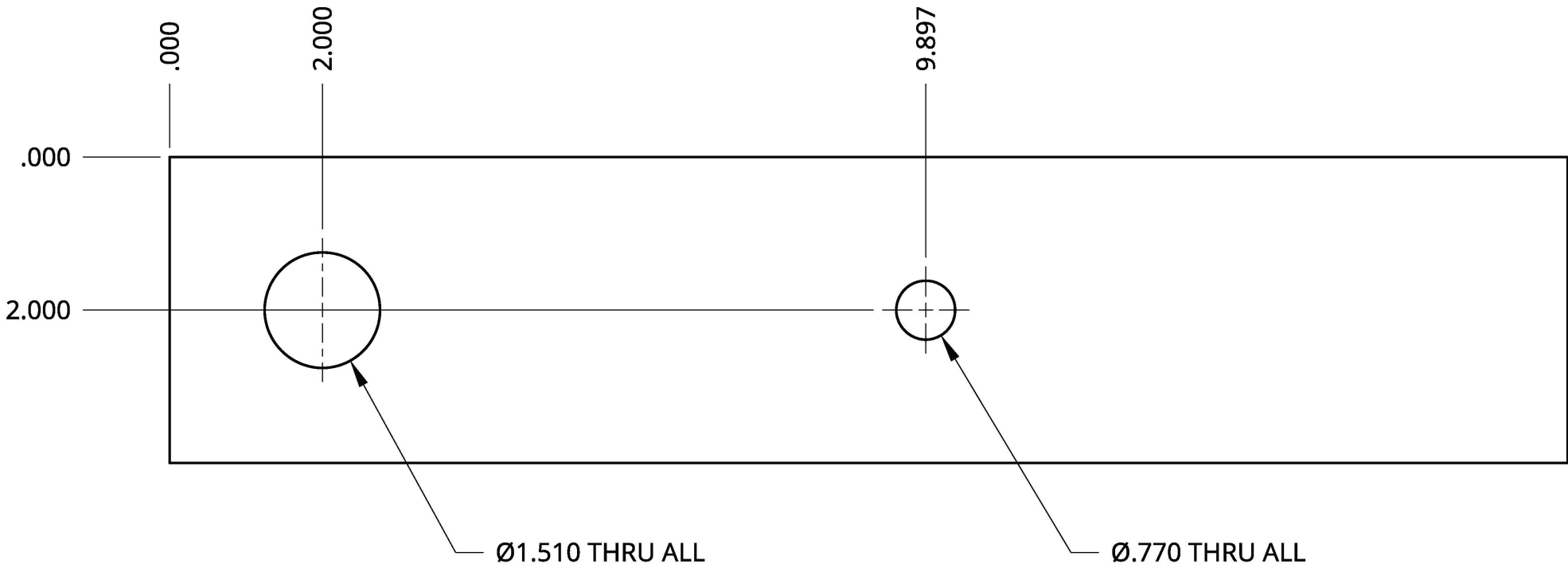
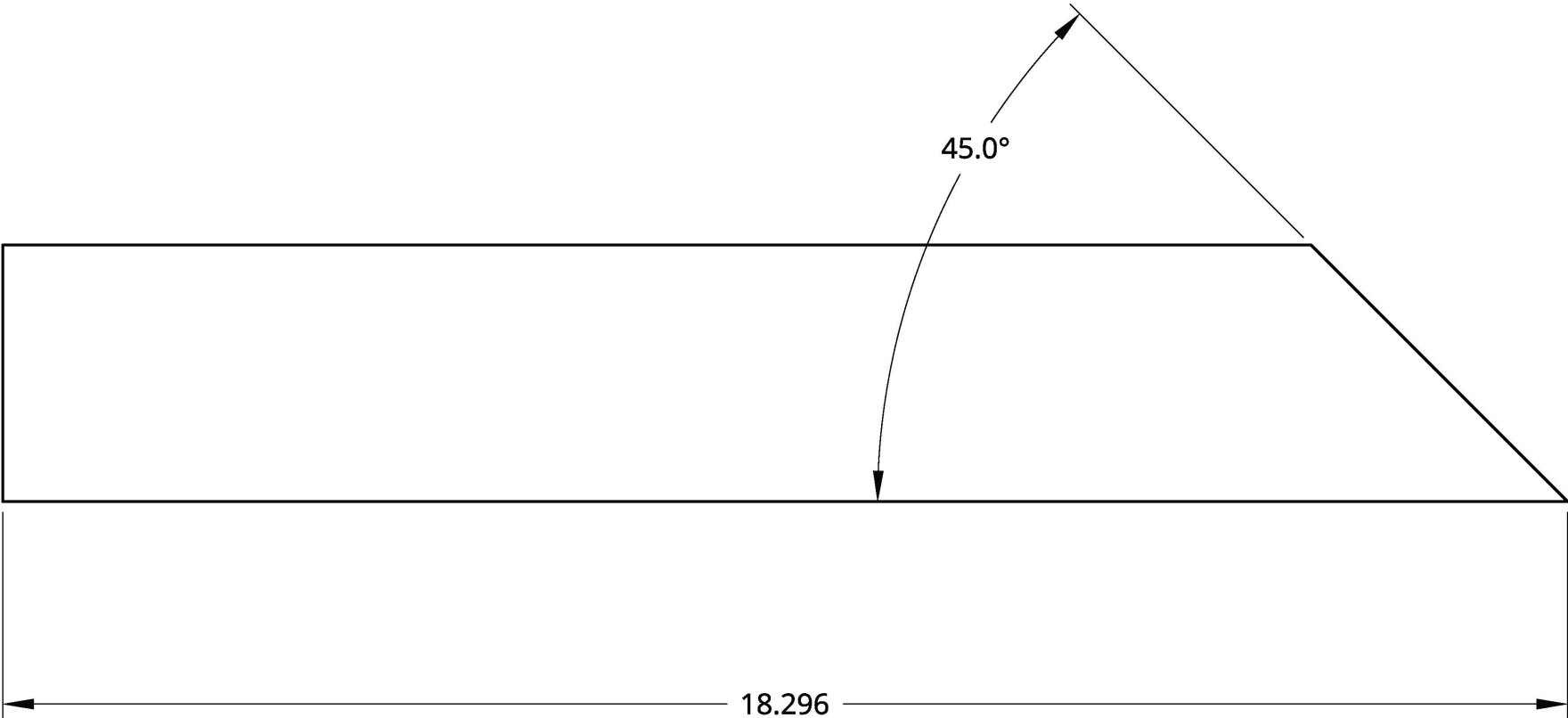
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.02 ANGULAR = ± 1° .XXX = ±.010	WELD	NAME	DATE				
	DRAWN	OCD	09/03/2025				
DO NOT SCALE DRAWING	MATERIAL 4IN X 3IN X 0.25IN RECTANGULAR TUBE, 6061 ALUMINUM			TITLE TRENCH HINGED ARM SIDE TUBE			
BREAK ALL SHARP EDGES AND REMOVE BURRS				SIZE C GE-26214-03 SCALE 1:2			
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®, ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.						REV.	
						SHEET 5 of 8	

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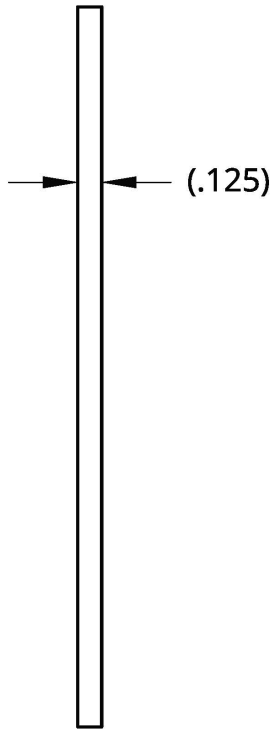
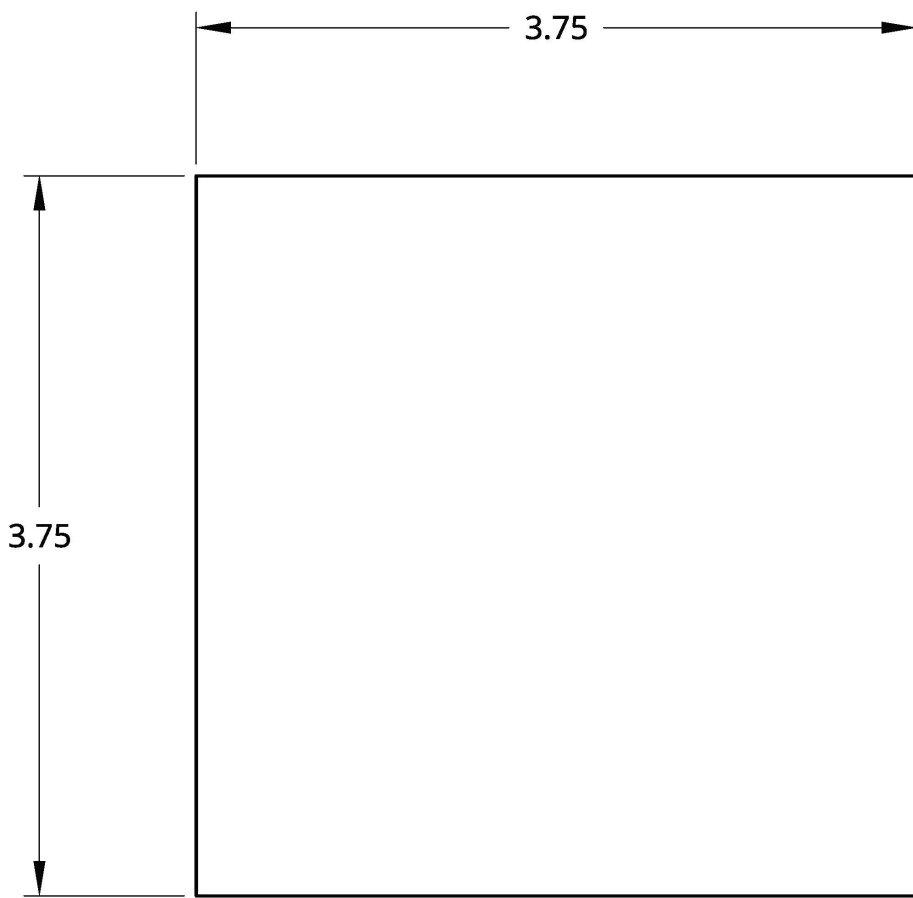
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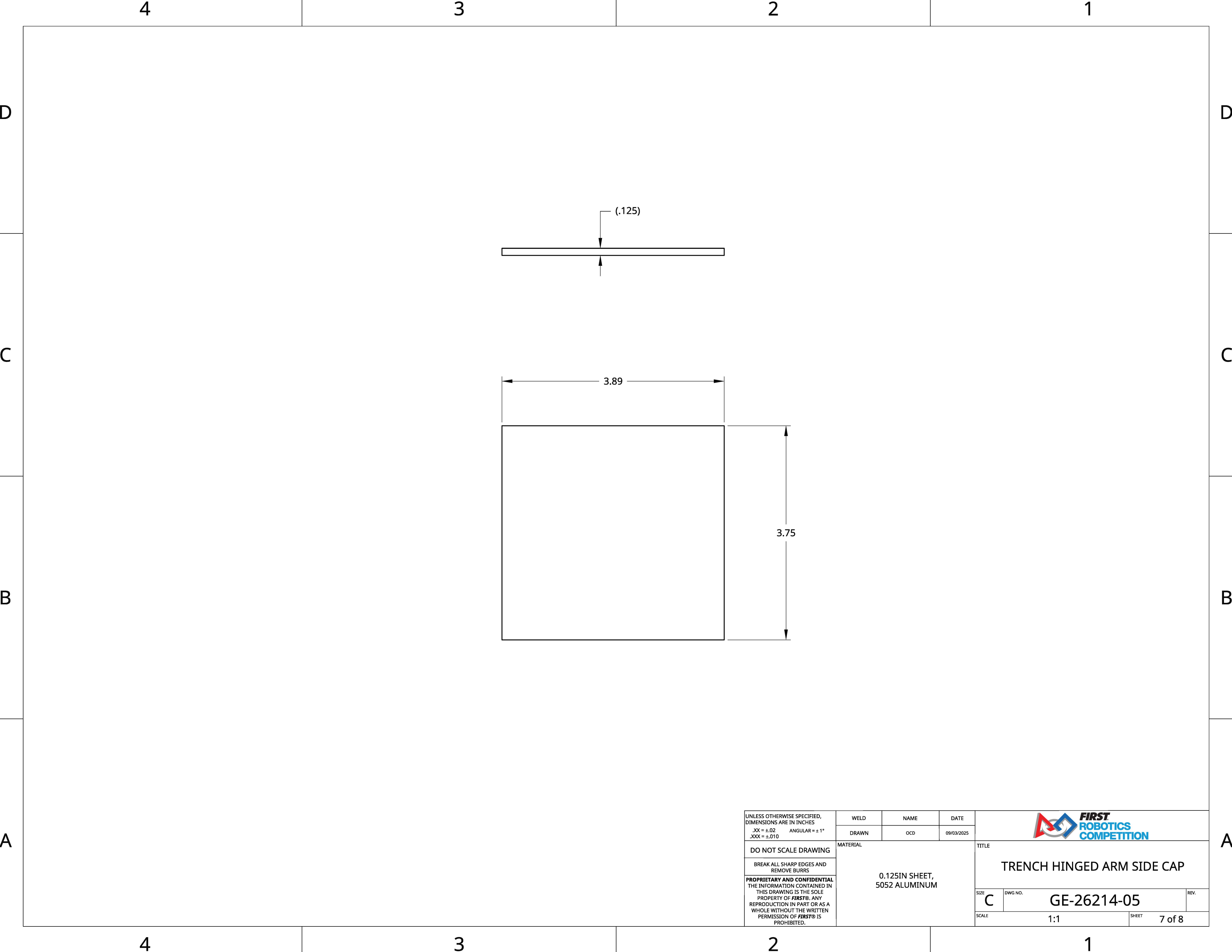
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES XX = ±.02 ANGULAR = ±1° XXX = ±.010	WELD	NAME	DATE			
	DRAWN	OCD	09/03/2025			
DO NOT SCALE DRAWING	MATERIAL 0.125IN SHEET, 5052 ALUMINUM			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				TRENCH HINGED ARM END CAP		
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE C	DWG NO. GE-26214-04	REV.
				SCALE 1:1	SHEET 6 of 8	



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES XX = ±.02 ANGULAR = ±1° XXX = ±.010	WELD	NAME	DATE			
	DRAWN	OCD	09/03/2025			
DO NOT SCALE DRAWING	MATERIAL 0.125IN SHEET, 5052 ALUMINUM			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				TRENCH HINGED ARM SIDE CAP		
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE C	DWG NO. GE-26214-05	REV.
				SCALE 1:1	SHEET 7 of 8	

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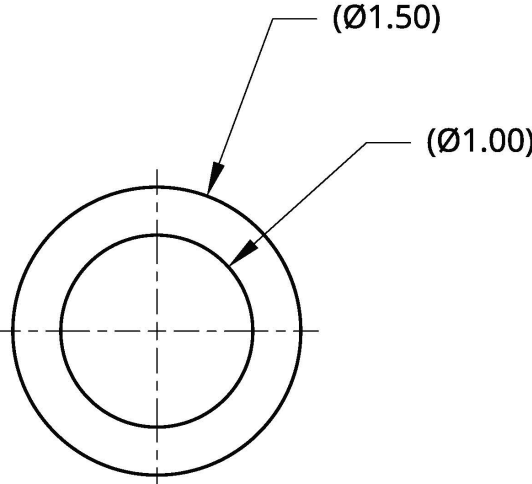
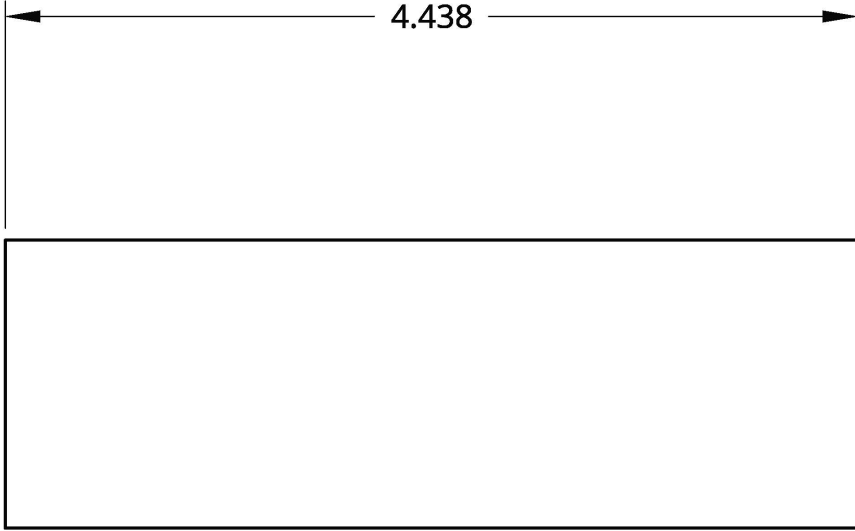
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.02 ANGULAR = ± 1° .XXX = ±.010	WELD	NAME	DATE		
	DRAWN	OCD	09/03/2025		
	MATERIAL			TITLE	
	1.5IN OD X 1IN ID ROUND TUBE, 6061 ALUMINUM			TRENCH HINGED ARM PIVOT TUBE	
DO NOT SCALE DRAWING				SIZE	REV.
BREAK ALL SHARP EDGES AND REMOVE BURRS				C	
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				DWG NO.	REV.
				SCALE	SHEET
				1:1	8 of 8

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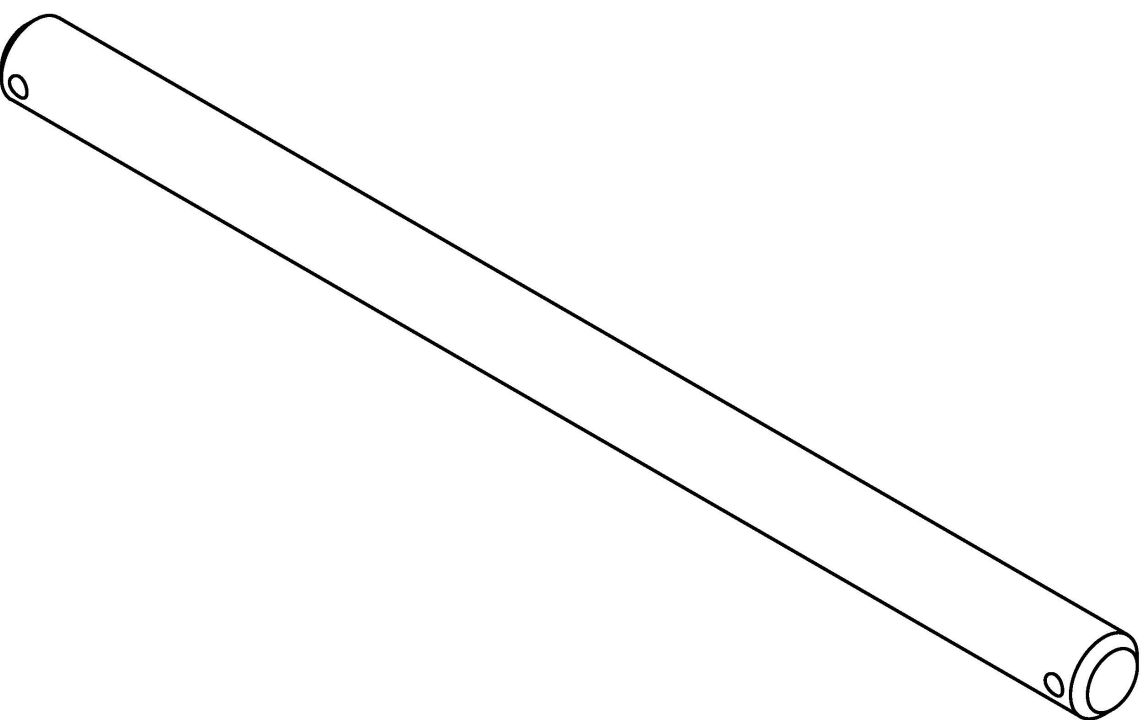
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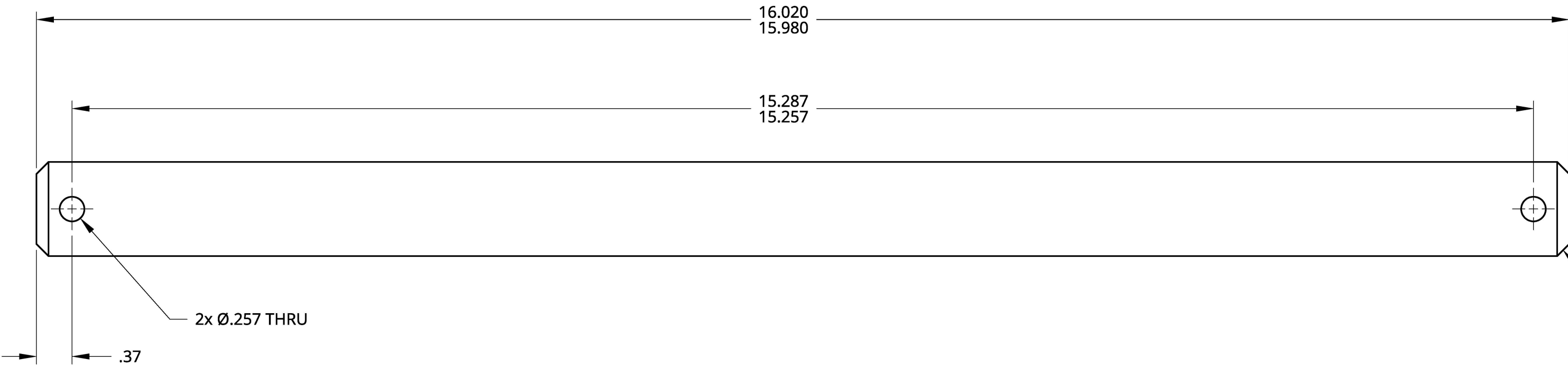
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SCALE 1:2



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2x .12 X 45.0°

2x Ø.257 THRU

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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE		
	DRAWN	OCD	09/16/2025		
	MATERIAL			TITLE	
DO NOT SCALE DRAWING	25MM ROUND BAR, STEEL			TRENCH PIVOT SHAFT	
BREAK ALL SHARP EDGES AND REMOVE BURRS				SIZE	REV.
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				C	
SCALE		1:1		SHEET	1 of 1

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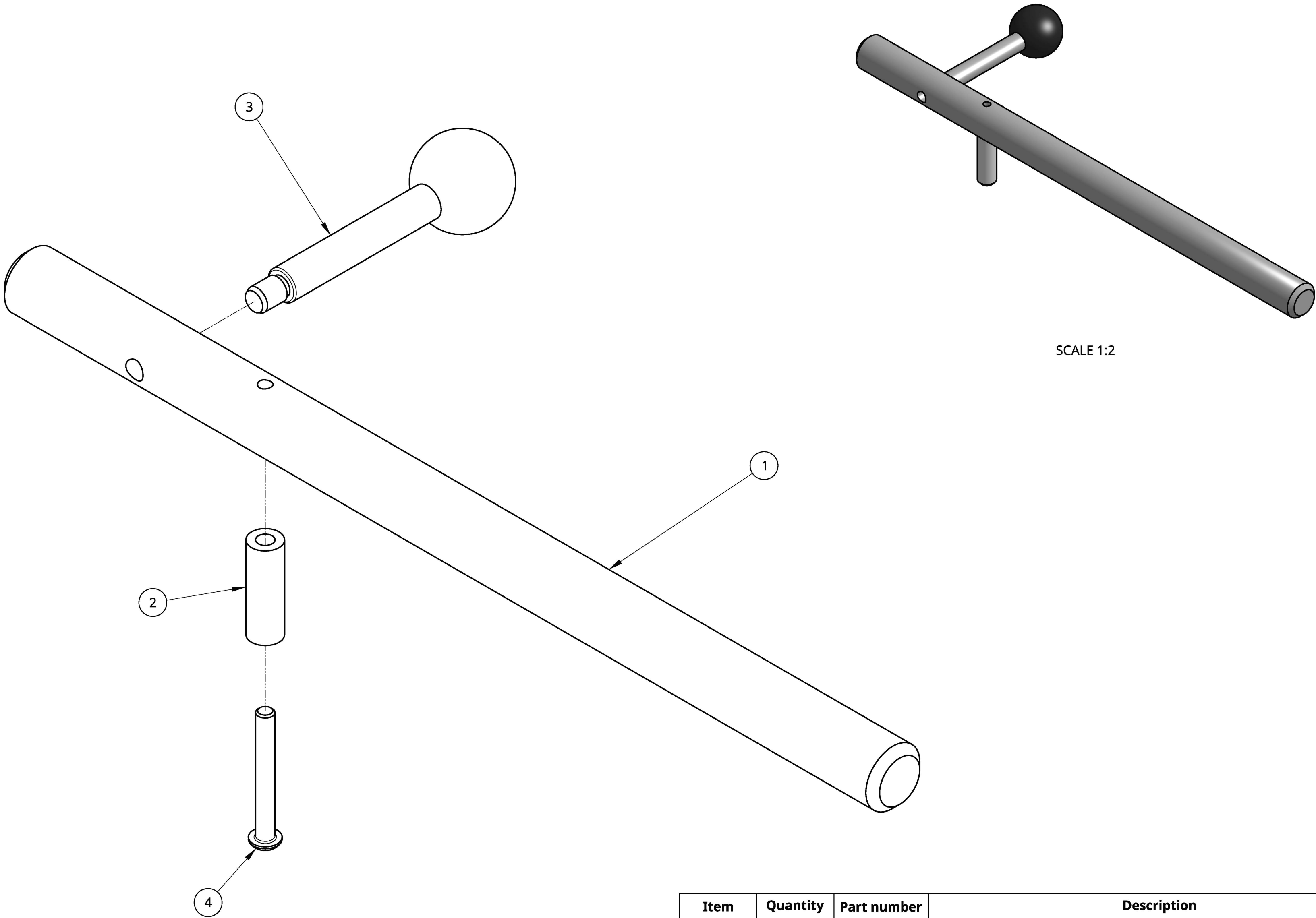
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Item	Quantity	Part number	Description
1	1	GE-26216-01	Trench Arm Pin Body
2	1	92510A771	Aluminum Unthreaded Spacer
3	1	6303K57	Lever Handle with Ball Knob
4	1		Socket button head cap screw 1/4-20 x 2 Hardened Alloy Steel Black Oxide

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES
.XX = ±.01 ANGULAR = ± 1°
.XXX = ±.005

DO NOT SCALE DRAWING

BREAK ALL SHARP EDGES AND
REMOVE BURRS

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN
THIS DRAWING IS THE SOLE
PROPERTY OF *FIRST®*. ANY
REPRODUCTION IN PART OR AS A
WHOLE WITHOUT THE WRITTEN
PERMISSION OF *FIRST®* IS
PROHIBITED.

VEND	NAME	DATE
DRAWN	OCD	10/01/2025

MATERIAL



TITLE TRENCH ARM PIN ASSY		
SIZE C	DWG NO. GE-26216	REV.
SCALE 1:1		SHEET 1 of 1

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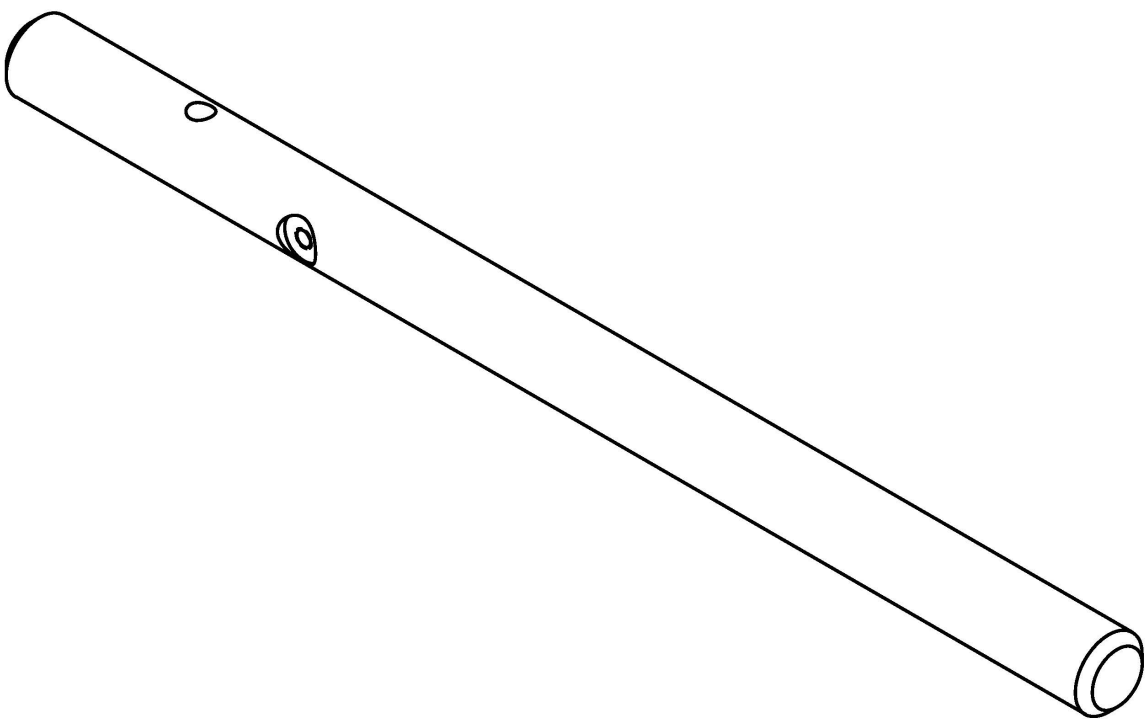
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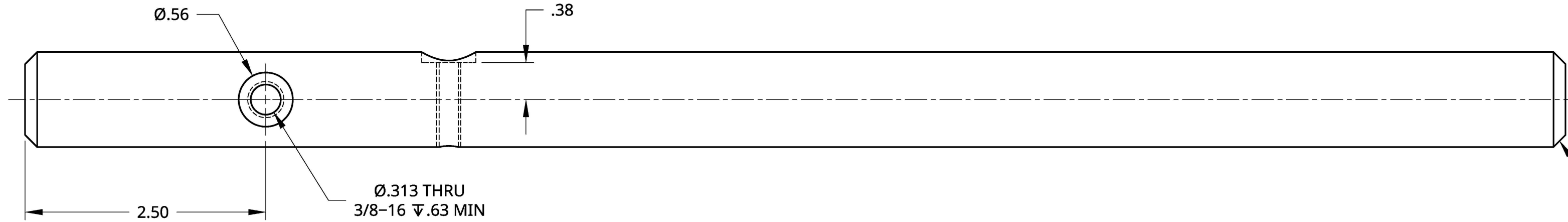
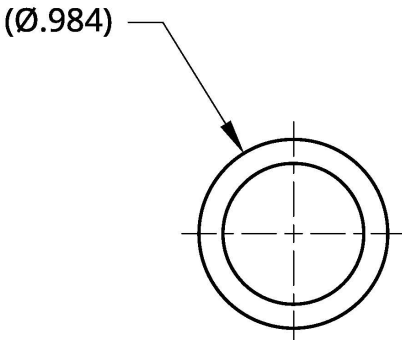
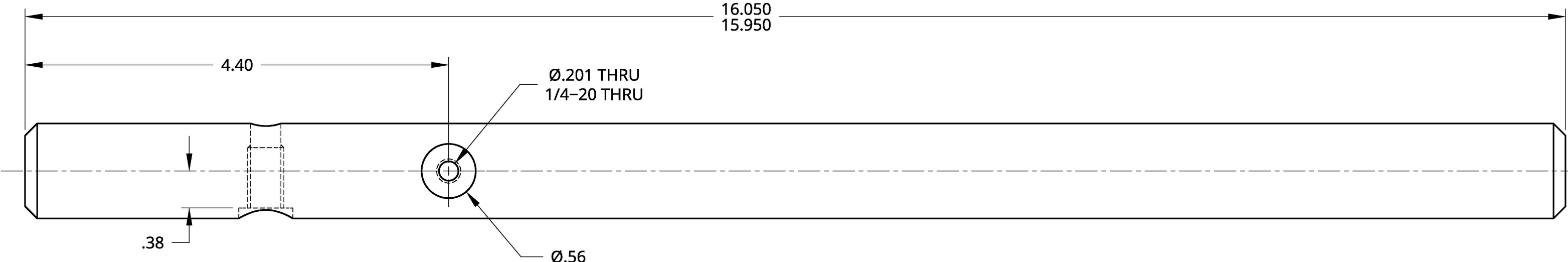
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SCALE 1:2



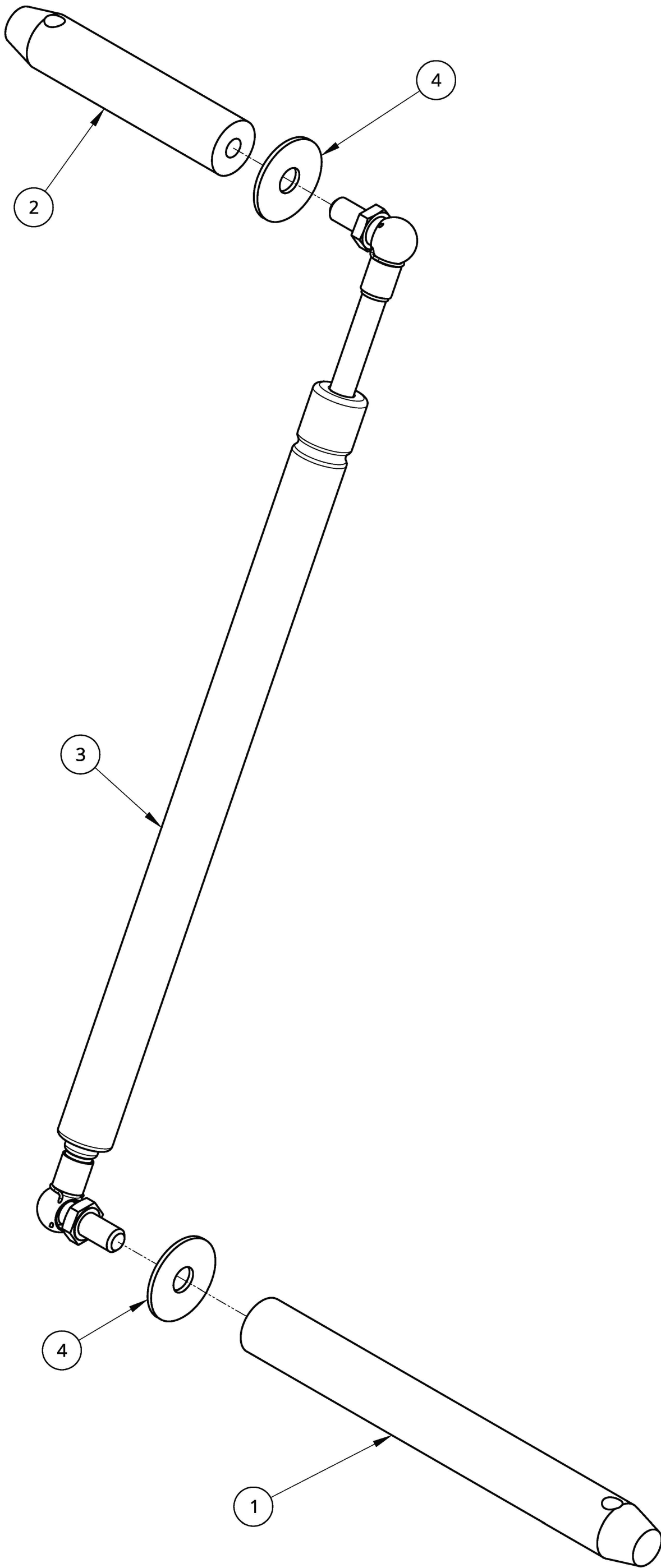
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE			
	DRAWN	OCD	09/16/2025			
DO NOT SCALE DRAWING	MATERIAL 25MM ROUND BAR, STEEL			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				TRENCH ARM PIN BODY		
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE C	DWG NO. GE-26216-01	REV.
				SCALE 1:1		SHEET 1 of 1

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SCALE 1:2

Item	Quantity	Part number	Description				
1	1	GE-26217-01	Trench Counterbalance Riser Pin				
2	1	GE-26217-02	Trench Counterbalance Arm Pin				
3	1	4138T579	Gas Spring, 5/16"-18 Thread Size, 19.72" Extended Length, 90 lbs. Force				
4	2		Type B wide flat washer 5/16 Stainless Steel				
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005 DO NOT SCALE DRAWING BREAK ALL SHARP EDGES AND REMOVE BURRS PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®, ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.			VEND	NAME	DATE		
			DRAWN	OCD	10/01/2025		
			MATERIAL			TITLE	
						TRENCH COUNTERBALANCE ASSY	
						SIZE C DWG NO. GE-26217 REV.	
			SCALE 3:4 SHEET 1 of 1				

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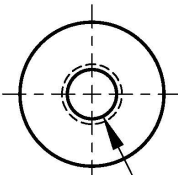
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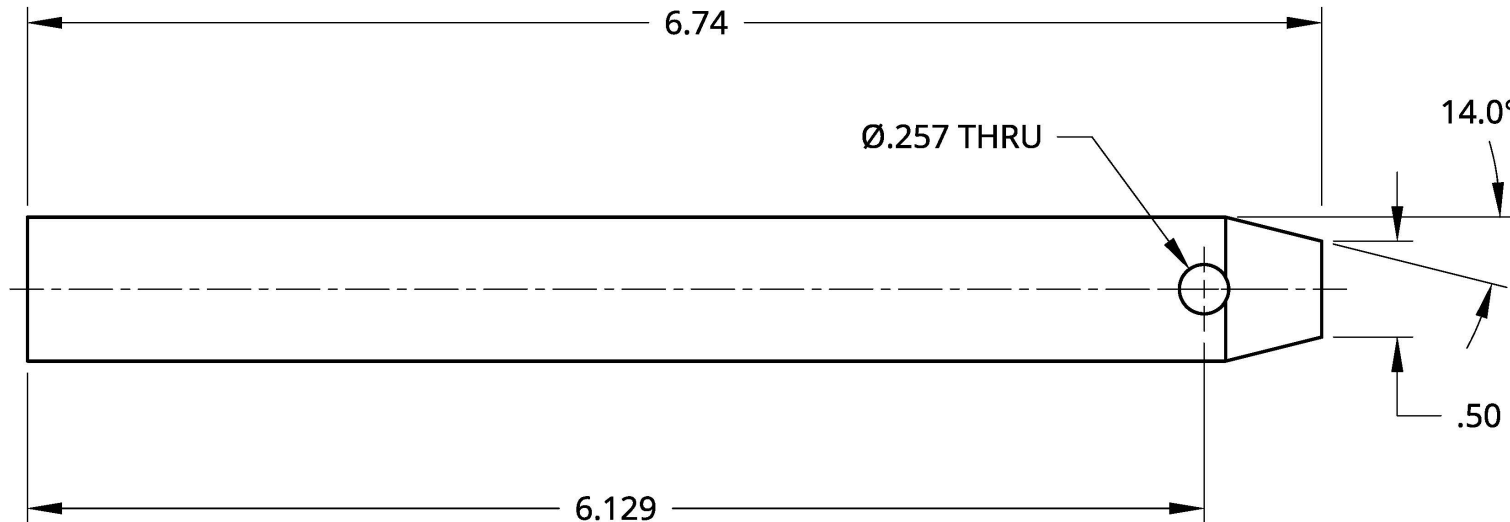
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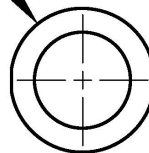
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Ø.257 ∇ 1.00 MIN
5/16-18 ∇ .63 MIN



(Ø.750)



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES XX = ±.01 ANGULAR = ± 1° XXX = ±.005	VEND	NAME	DATE			
	DRAWN	OCD	09/16/2025			
DO NOT SCALE DRAWING	MATERIAL 0.75IN ROUND BAR, STEEL			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				TRENCH COUNTERBALANCE RISER PIN		
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®, ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE	DWG NO.	REV.
				C	GE-26217-01	
				SCALE	1:1	SHEET

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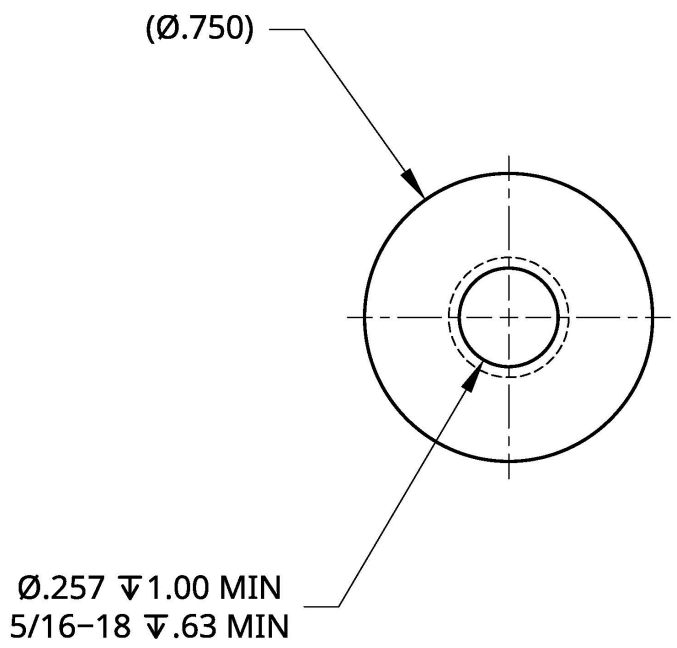
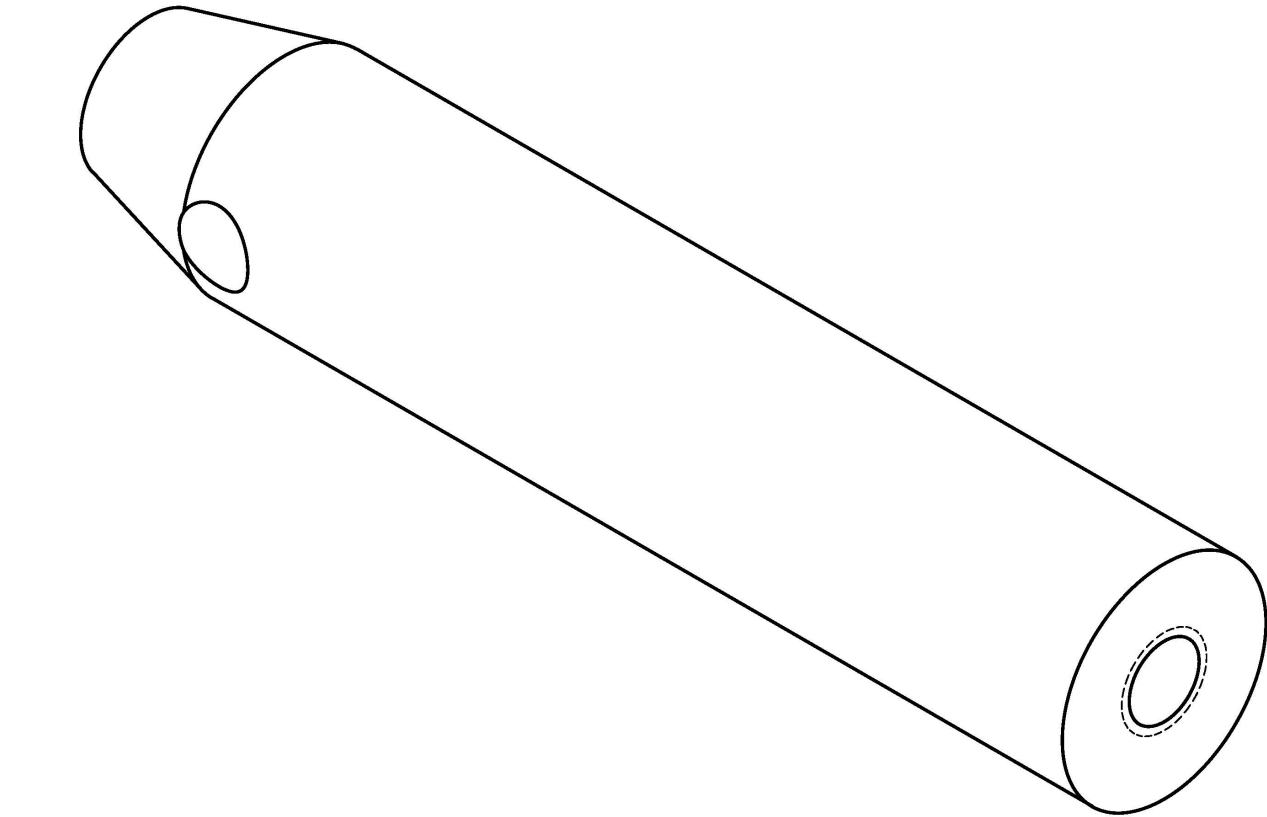
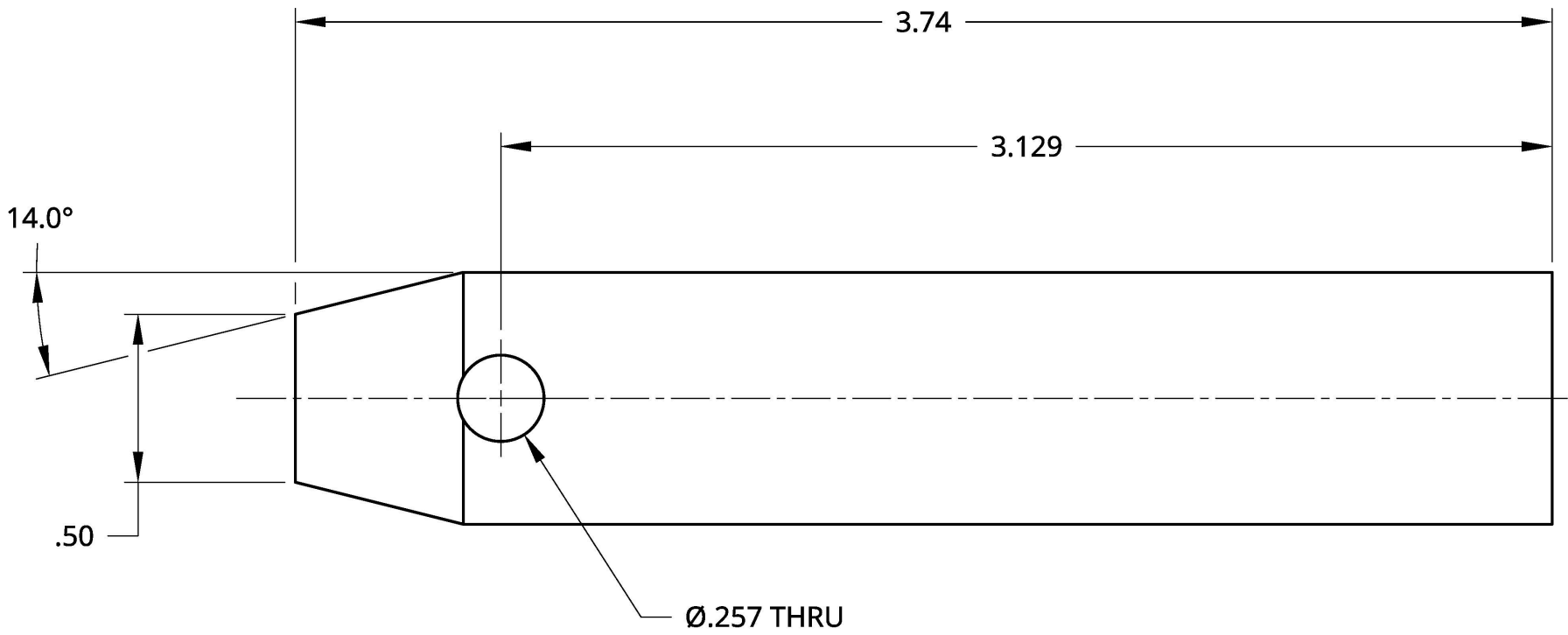
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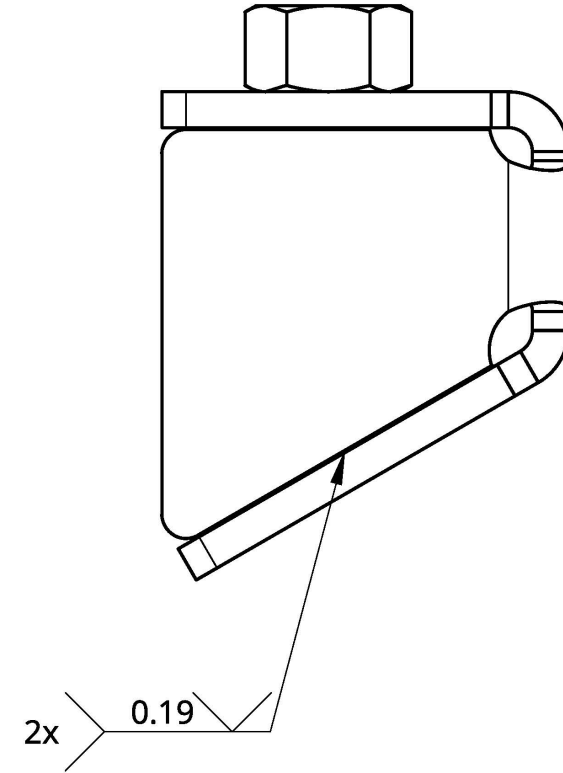
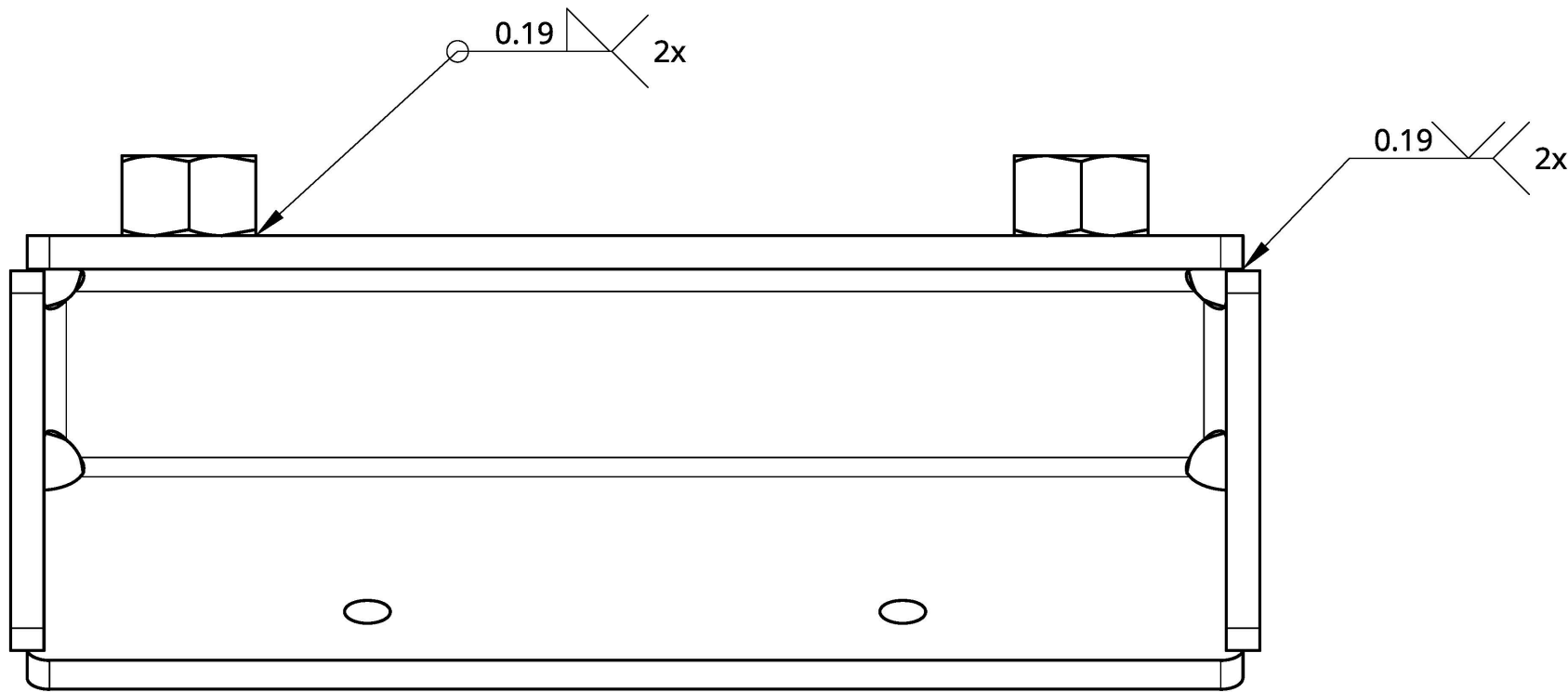
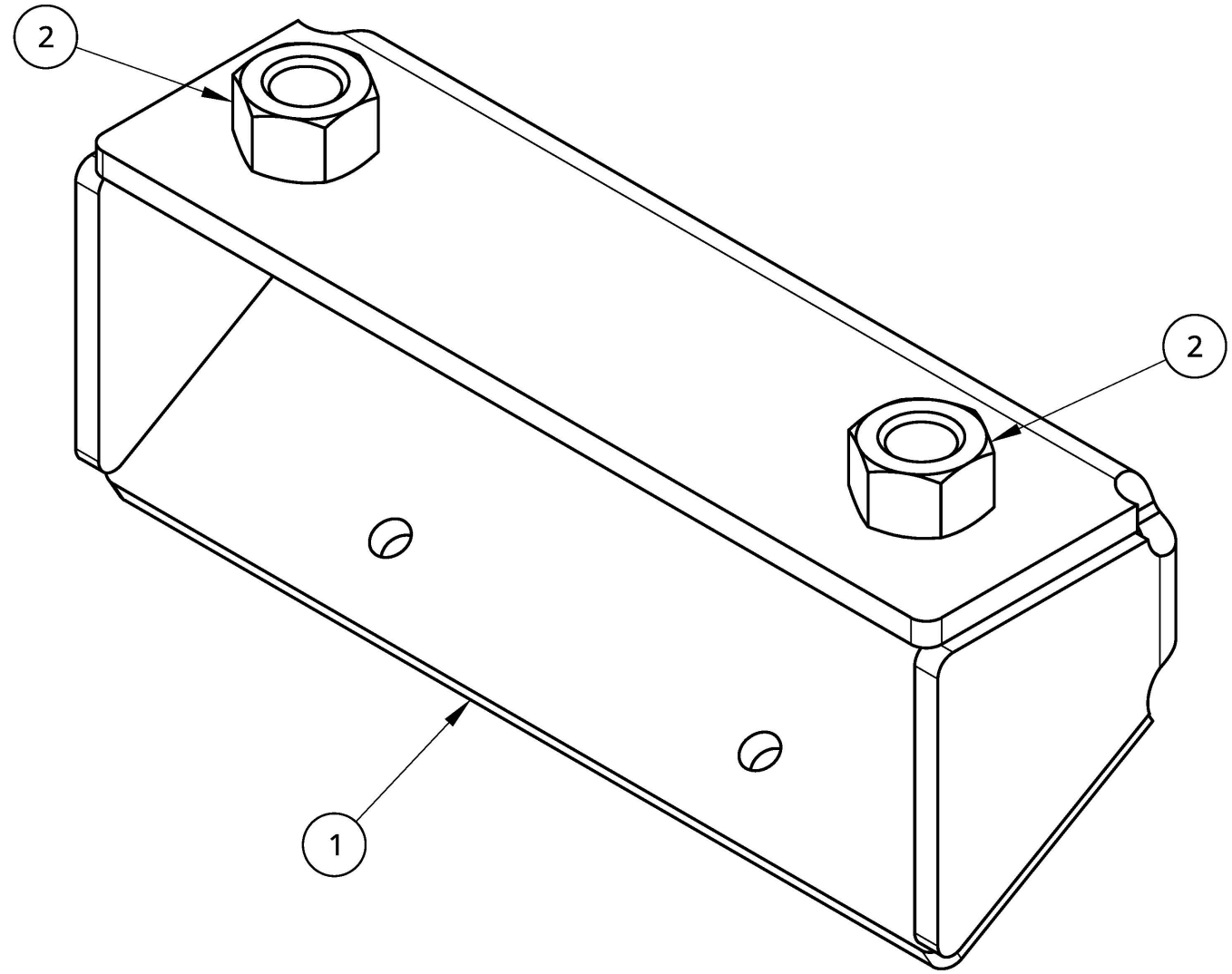
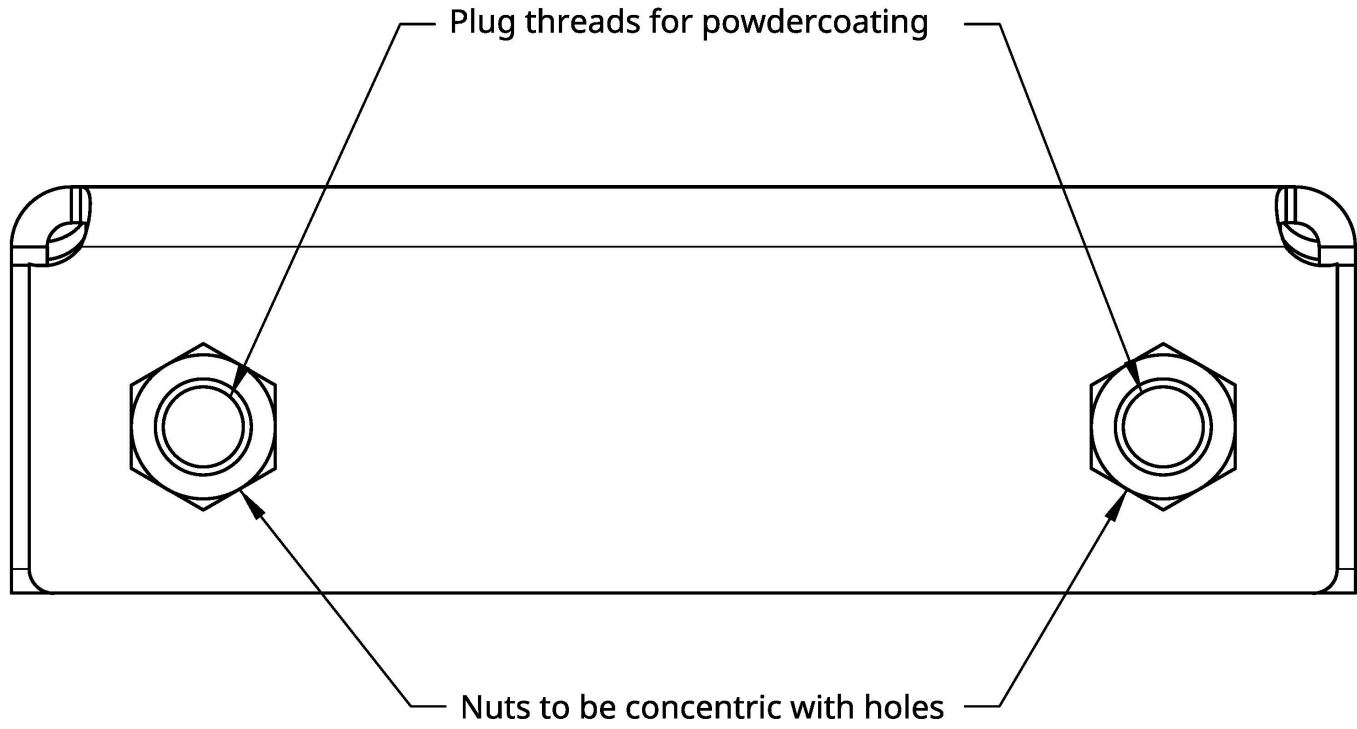
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ±1° .XXX = ±.005	VEND	NAME	DATE			
	DRAWN	OCD	09/16/2025			
DO NOT SCALE DRAWING	MATERIAL 0.75IN ROUND BAR, STEEL			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				TRENCH COUNTERBALANCE ARM PIN		
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE	DWG NO.	REV.
				C	GE-26217-02	
				SCALE	2:1	SHEET

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Item	Quantity	Part number	Description
1	1	GE-26218-01	Trench Bottom Hard Stop Body
2	2		Hex nut 1/2-13 Steel, Plain/Uncoated

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.02 ANGULAR = ± 1° .XXX = ±.010 DO NOT SCALE DRAWING BREAK ALL SHARP EDGES AND REMOVE BURRS PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.	WELD	NAME	DATE		
	DRAWN	OCD	09/12/2025		
	MATERIAL			TITLE	
	POWDER COATED (POWDER TECHNOLOGY INC, PT-ES03-BS13 BLACK MIDNIGHT MAGIC, MATTE)			TRENCH BOTTOM HARD STOP WELDMENT	
SIZE		DWG NO.		REV.	
C		GE-26218			
SCALE			1:1		SHEET 1 of 2

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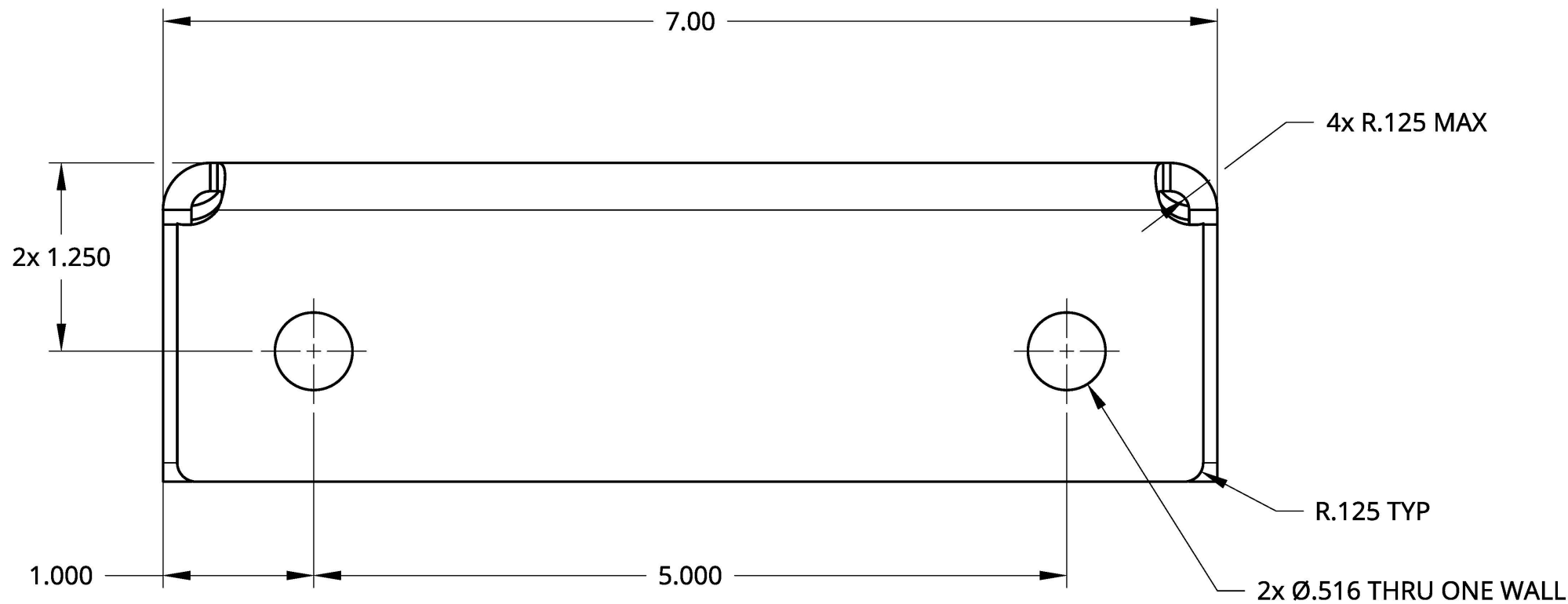
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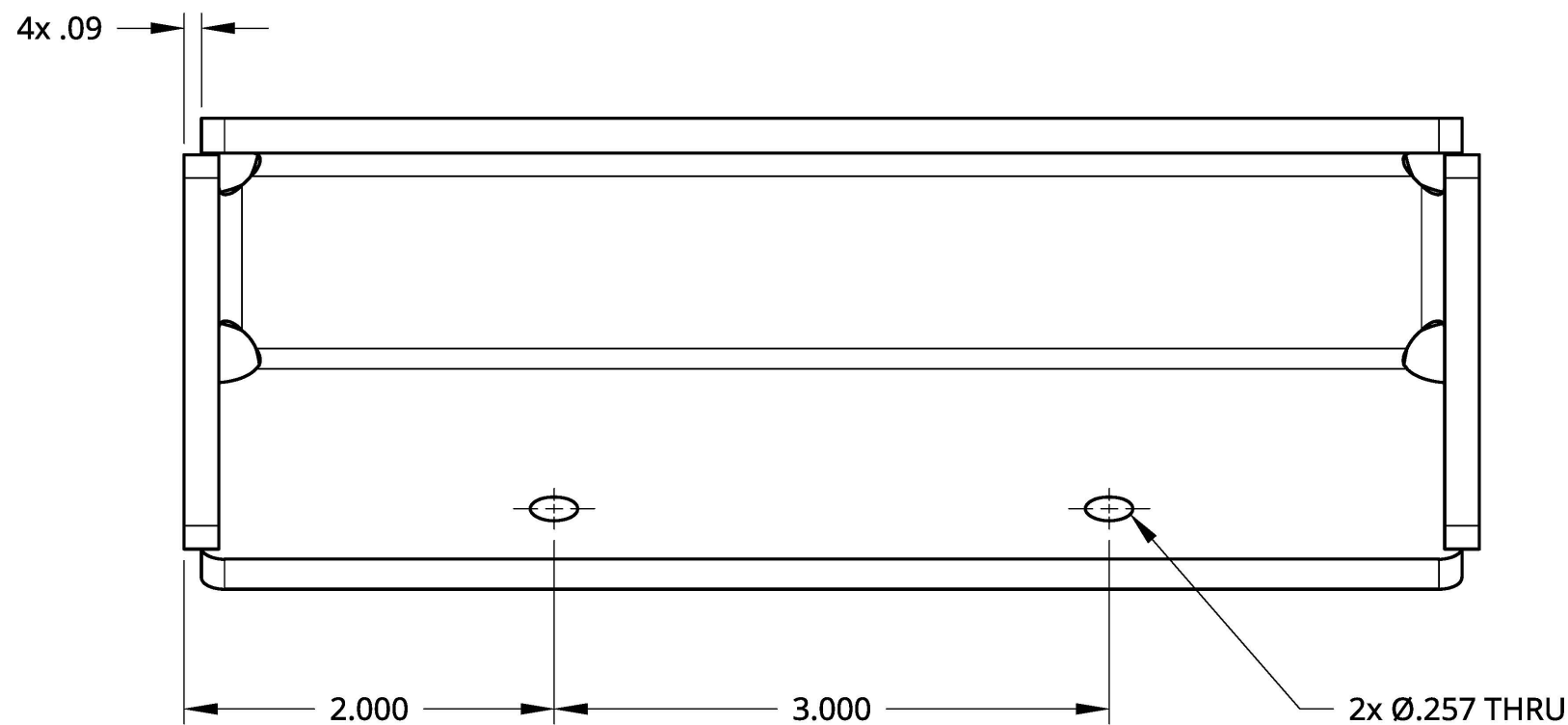
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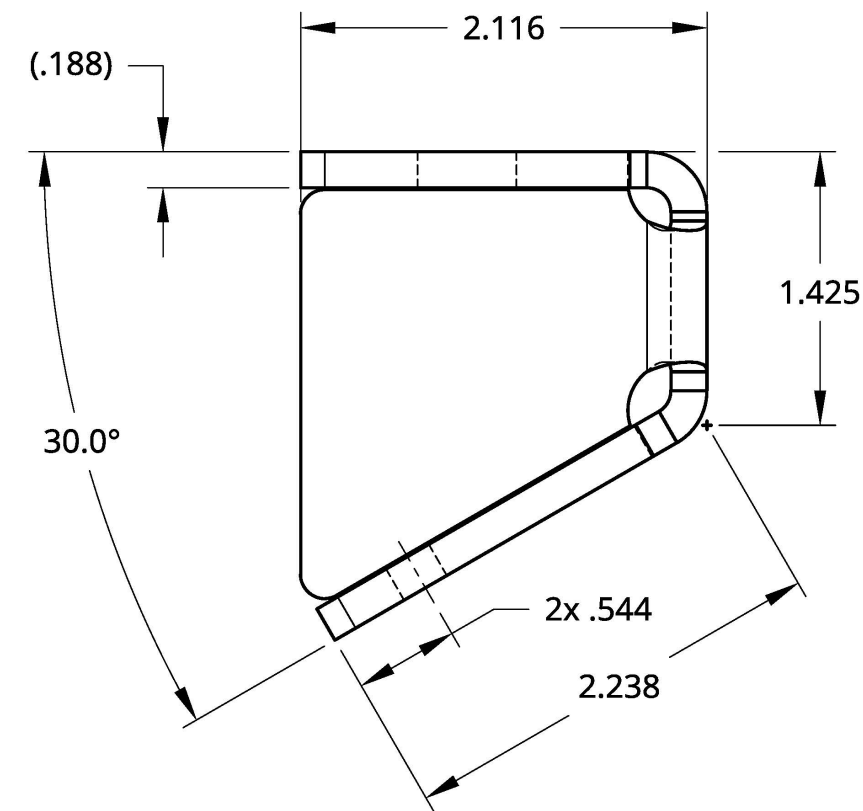
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.02 ANGULAR = ± 1° .XXX = ±.010	WELD	NAME	DATE		
	DRAWN	OCD	09/12/2025		
	MATERIAL			TITLE	
DO NOT SCALE DRAWING	0.188IN PLATE, LOW CARBON STEEL			TRENCH BOTTOM HARD STOP BODY	
BREAK ALL SHARP EDGES AND REMOVE BURRS				SIZE	REV.
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				C	
			SCALE	1:1	SHEET 2 of 2

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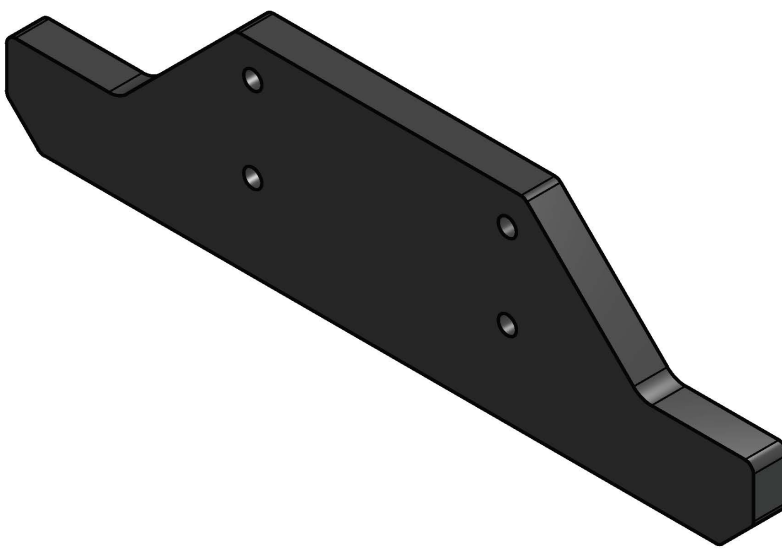
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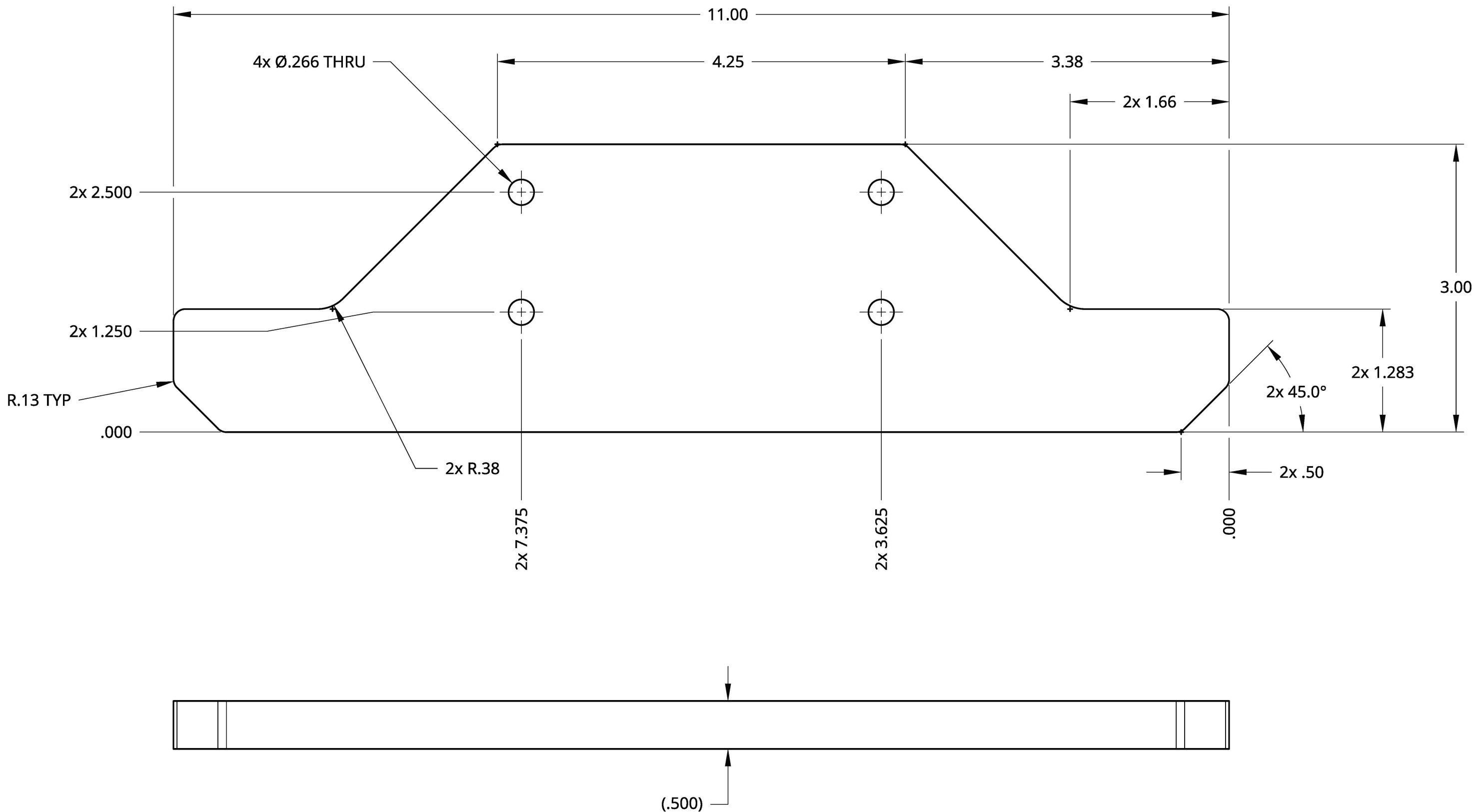
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SCALE 1:2



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	DRAWN	OCD	10/01/2025			
	MATERIAL 0.5IN SHEET, HDPE (ORANGE PEEL TEXTURE BOTH SIDES, BLACK)			TITLE TRENCH TOP HARD STOP		
SIZE C		DWG NO. GE-26219			REV.	
SCALE 1:1		SHEET 1 of 1				

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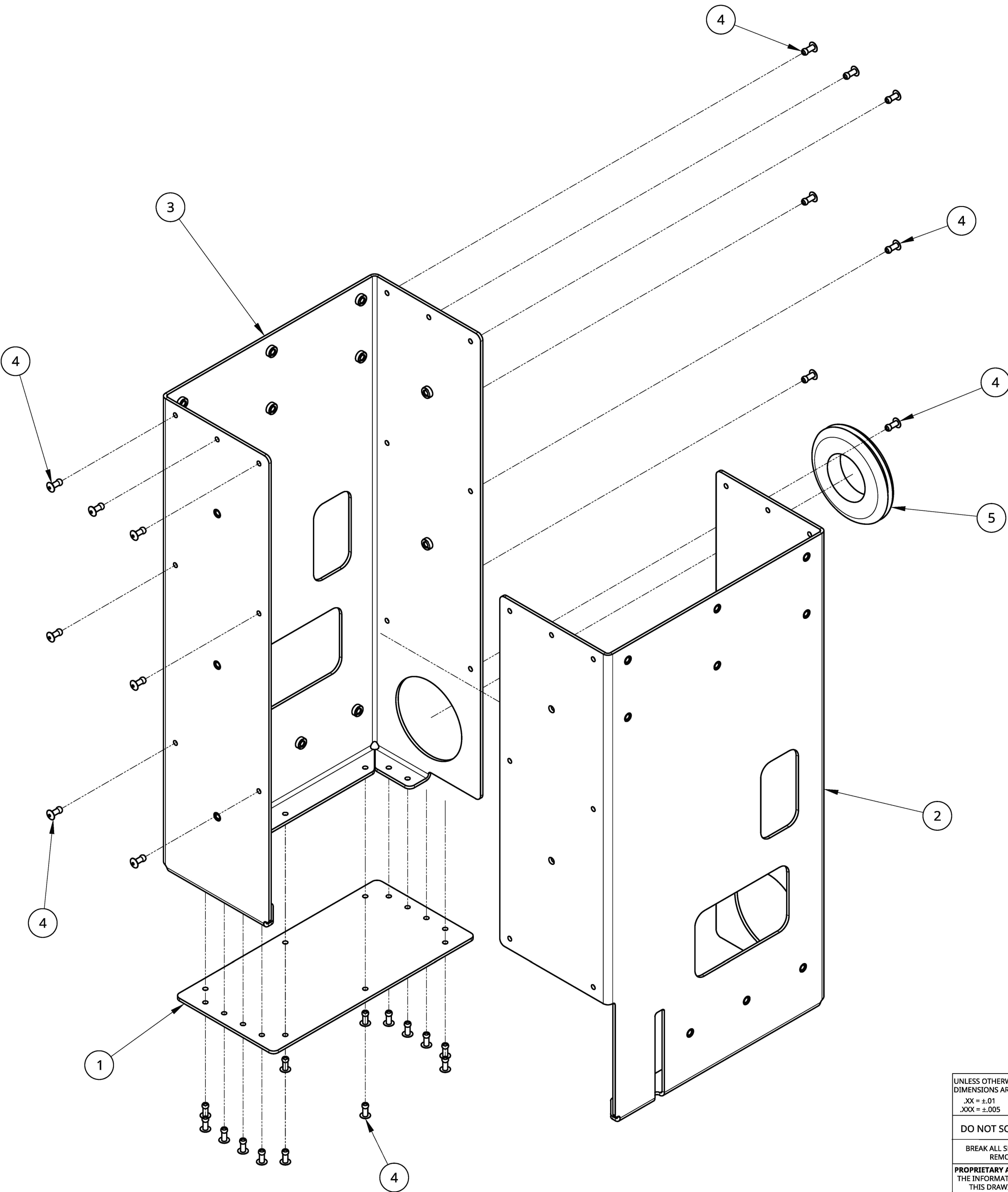
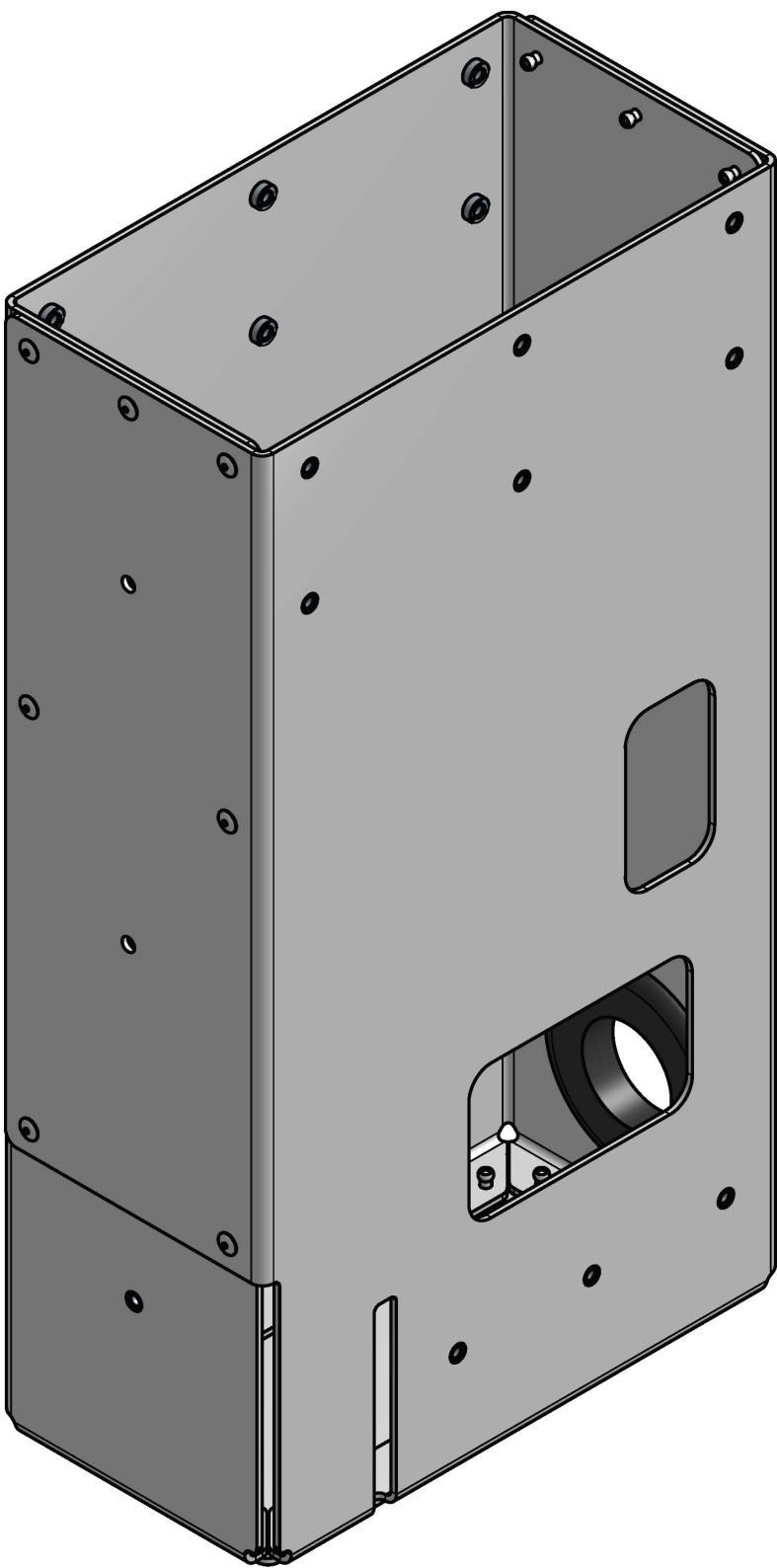
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Item	Quantity	Part number	Description
1	1	GE-26208	Trench Riser Bottom
2	1	GE-26221	Trench Fixed Riser Outside Body Assy
3	1	GE-26222	Trench Fixed Riser Inside Body Assy
4	28		3/16in Rivet, 0.251-0.375in Grip Length
5	1	9307K142	Buna-N Rubber Grommet

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES
.XX = ±.01 ANGULAR = ± 1°
.XXX = ±.005

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REMOVE BURRS

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VEND	NAME	DATE		
DRAWN	OCD	10/01/2025		
MATERIAL			TITLE	
			TRENCH FIXED RISER ASSY	
SIZE	DWG NO.	REV.		
C	GE-26220			
SCALE	1:3	SHEET	1 of 1	

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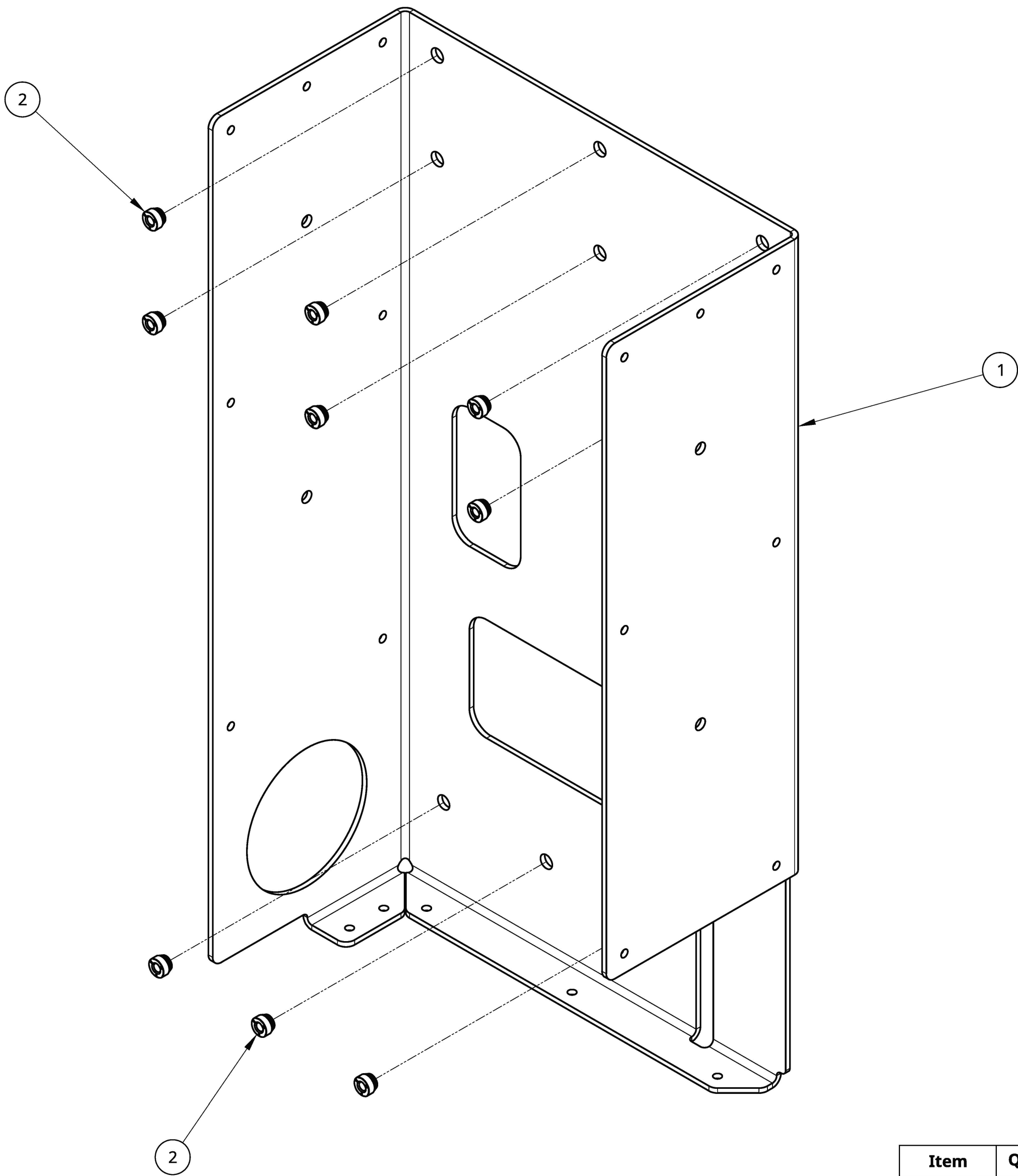
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UNLESS OTHERWISE SPECIFIED,
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.XX = ±.01 ANGULAR = ± 1°
.XXX = ±.005

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Item	Quantity	Part number	Description
1	1	GE-26221-01	Trench Fixed Riser Outside Body
2	9		PEM S-0420-3 ZI Carbon Steel Zinc plated

BEND	NAME	DATE	 FIRST ROBOTICS COMPETITION		
DRAWN	OCD	10/01/2025			
MATERIAL			TITLE		
			TRENCH FIXED RISER OUTSIDE BODY ASSY		
			SIZE	DWG NO.	REV.
			C	GE-26221	
			SCALE	1:2	SHEET
					1 of 2

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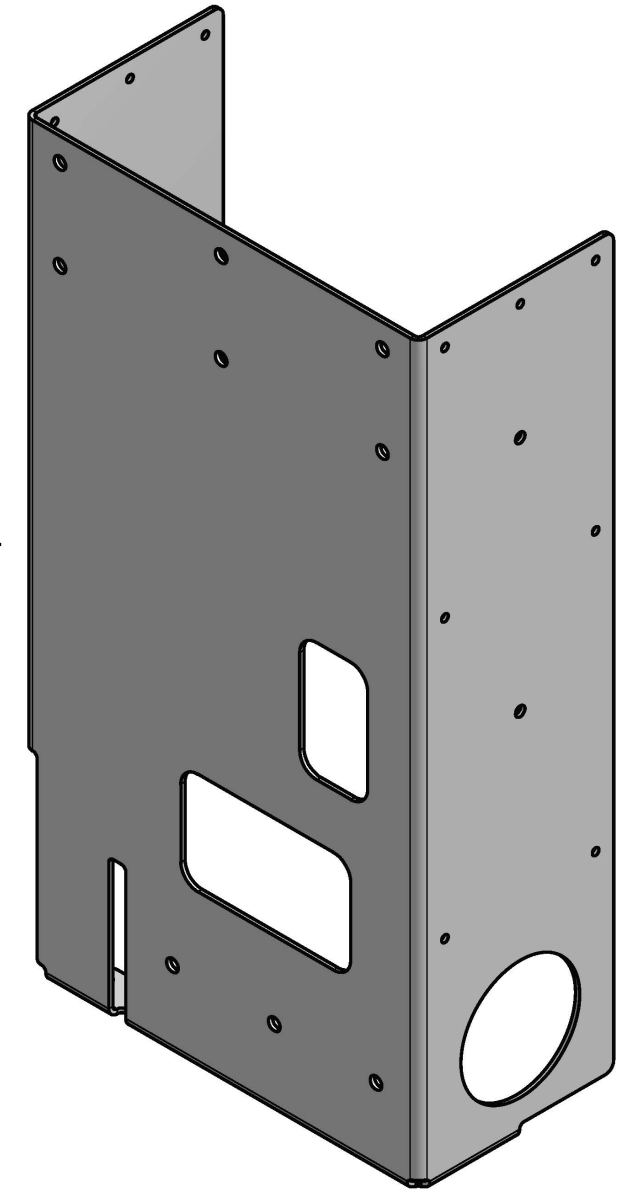
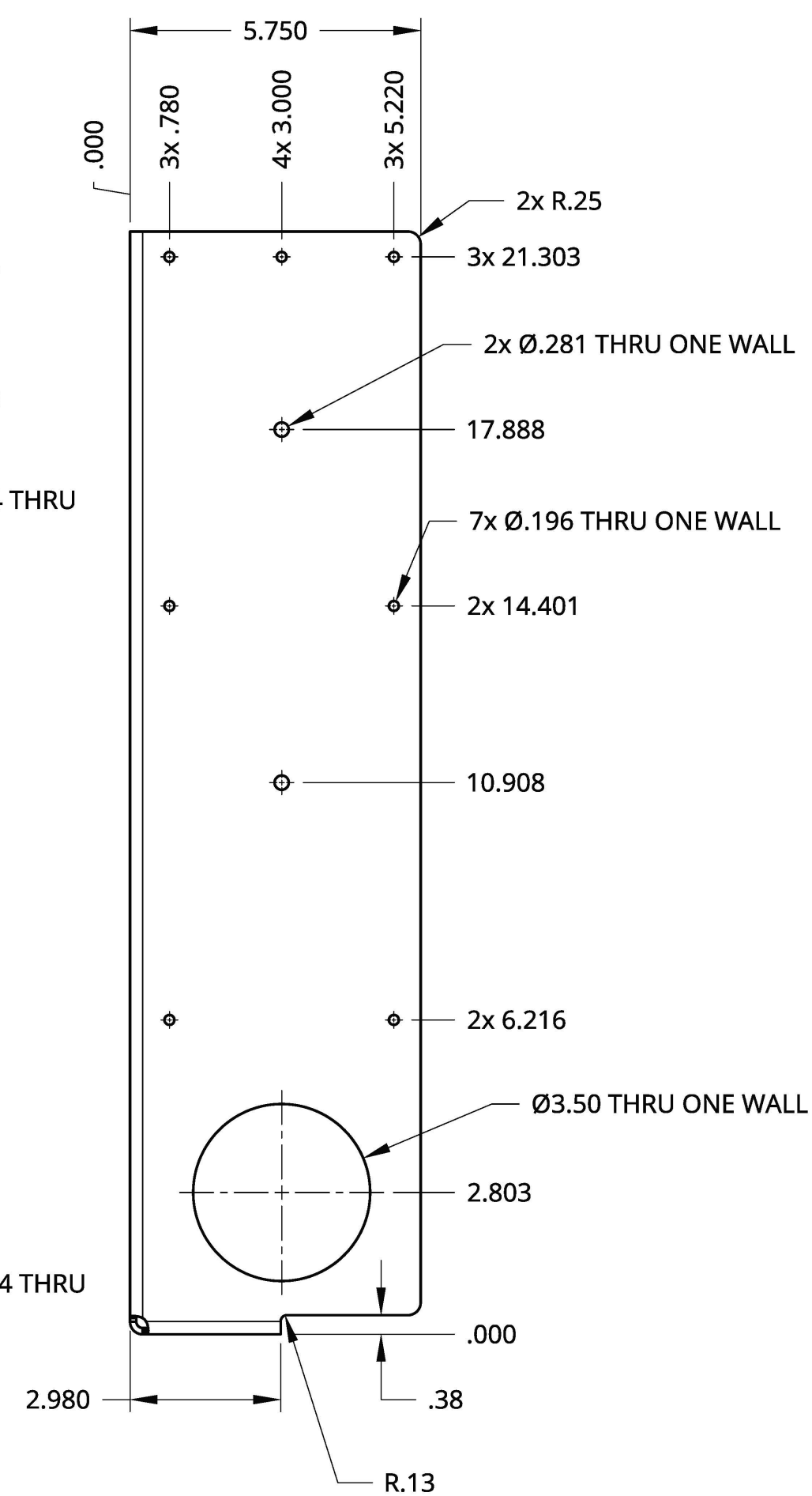
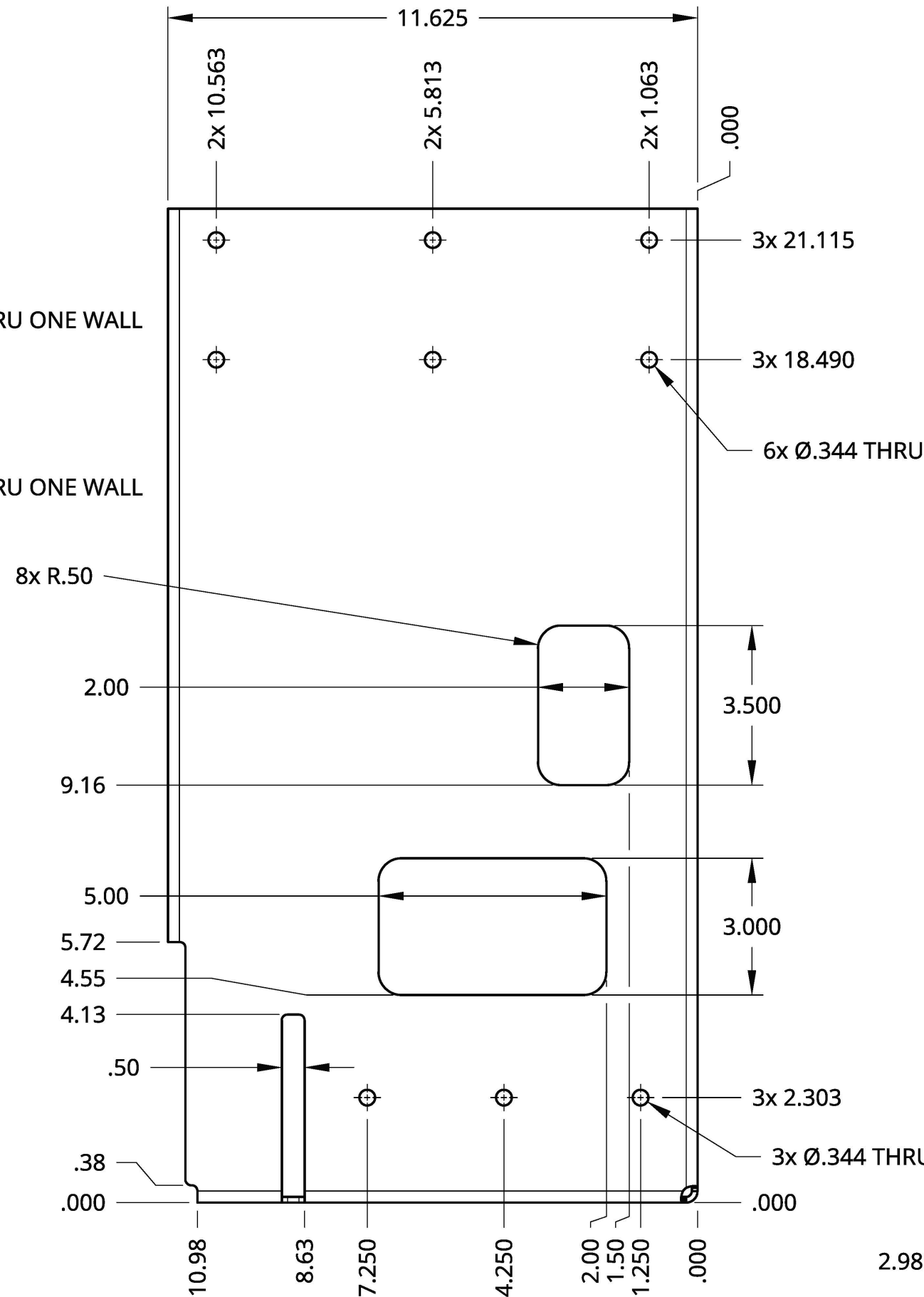
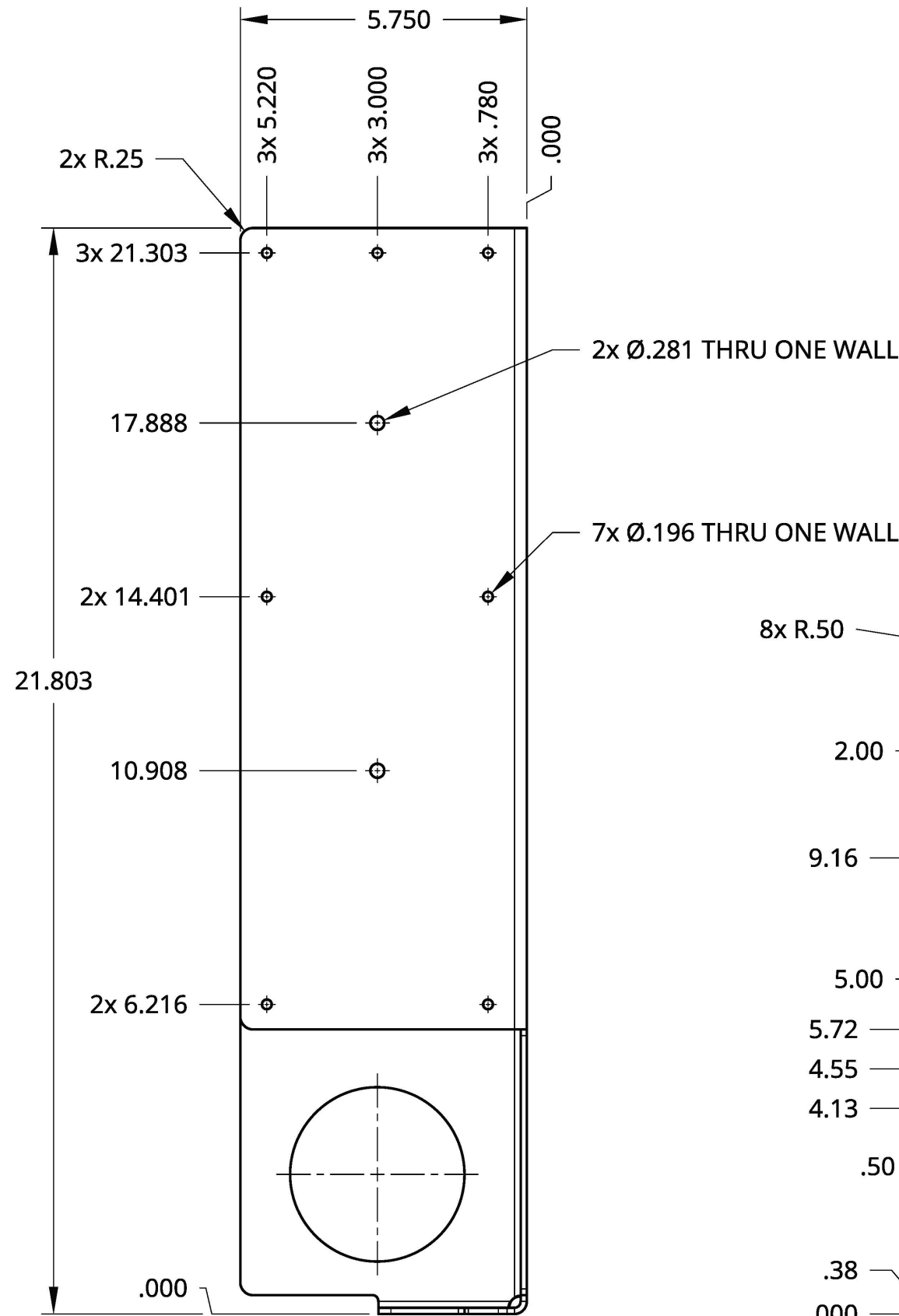
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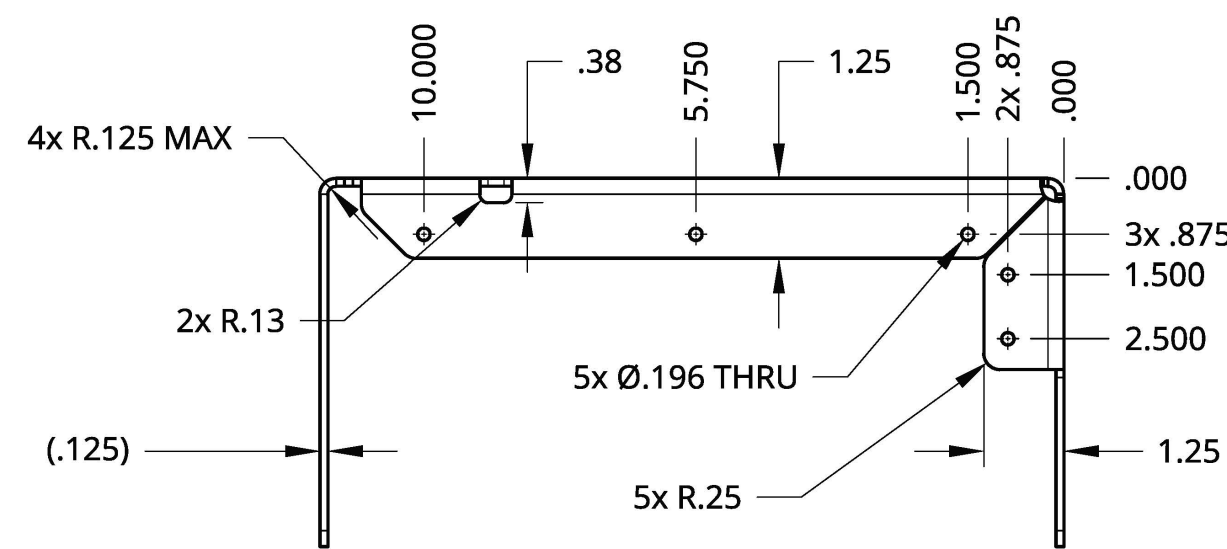
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SCALE 1:4



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	BEND	NAME	DATE		
	DRAWN	OCD	10/01/2025		
	DO NOT SCALE DRAWING			TITLE	
	BREAK ALL SHARP EDGES AND REMOVE BURRS			TRENCH FIXED RISER OUTSIDE BODY	
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	0.125IN SHEET, 5052 ALUMINUM			C	
				DWG NO. GE-26221-01	
SCALE		1:3		SHEET 2 of 2	

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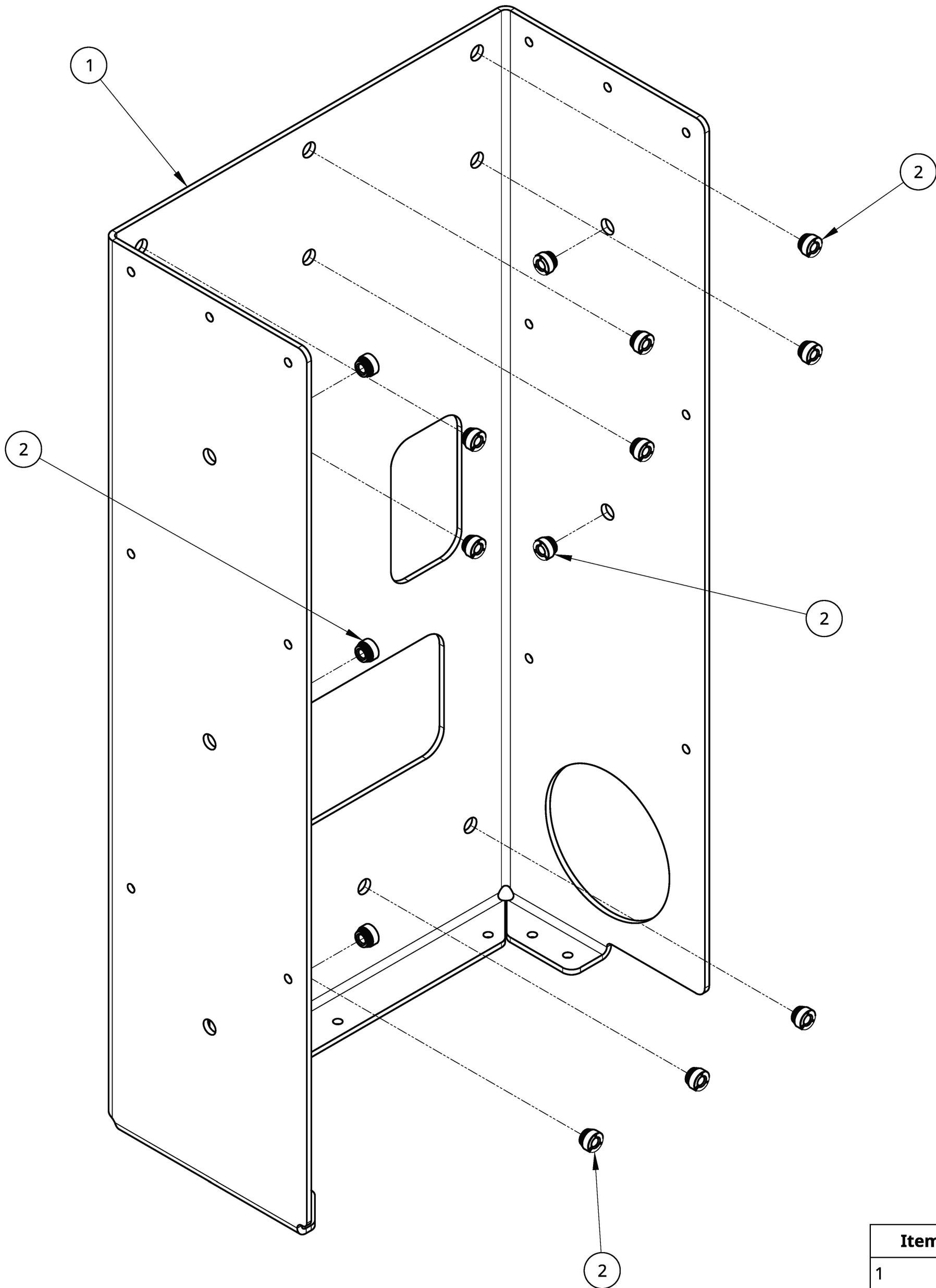
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UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES
.XX = ±.01 ANGULAR = ± 1°
.XXX = ±.005

DO NOT SCALE DRAWING

BREAK ALL SHARP EDGES AND
REMOVE BURRS

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WHOLE WITHOUT THE WRITTEN
PERMISSION OF **FIRST®** IS
PROHIBITED.

Item	Quantity	Part number	Description
1	1	GE-26222-01	Trench Fixed Riser Inside Body
2	14		PEM S-0420-3 ZI Carbon Steel Zinc plated

BEND	NAME	DATE		
DRAWN	OCD	10/01/2025		
MATERIAL			TITLE	
			TRENCH FIXED RISER INSIDE BODY ASSY	
SIZE	DWG NO.	REV.		
C	GE-26222			
SCALE	1:2	SHEET	1 of 2	

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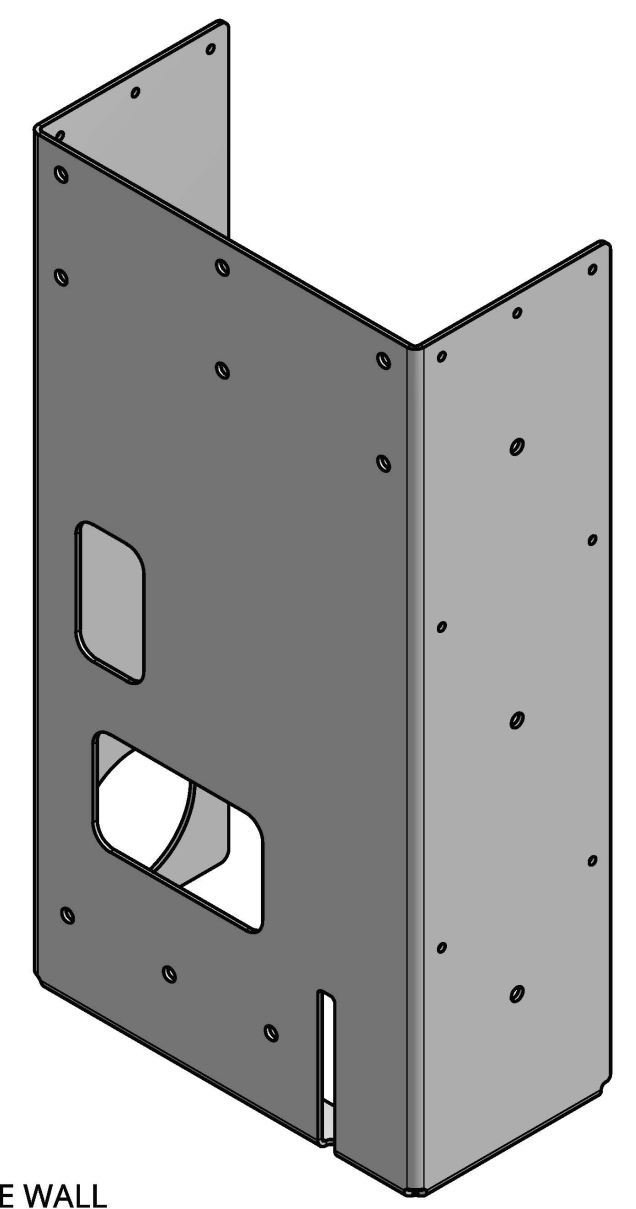
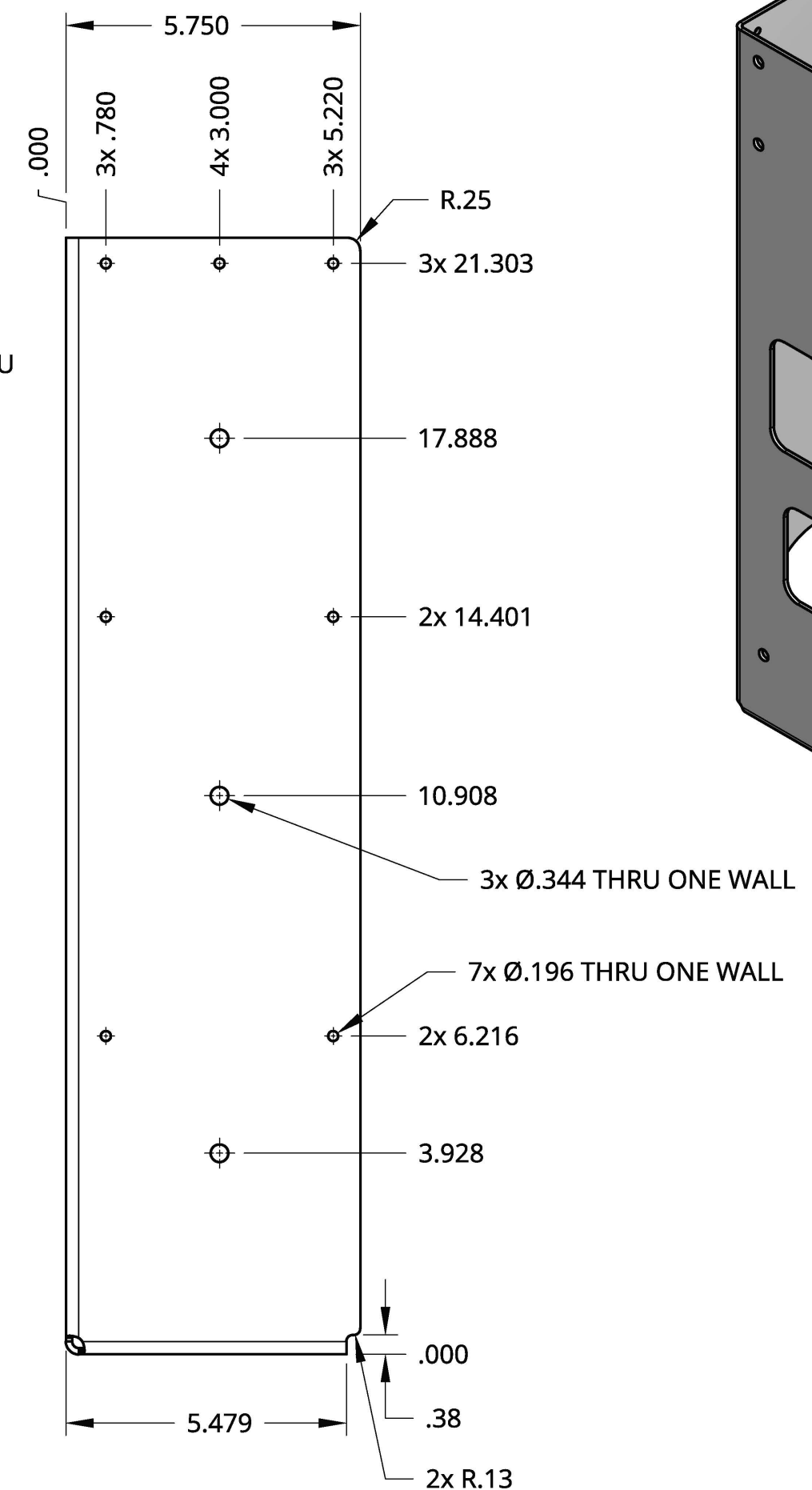
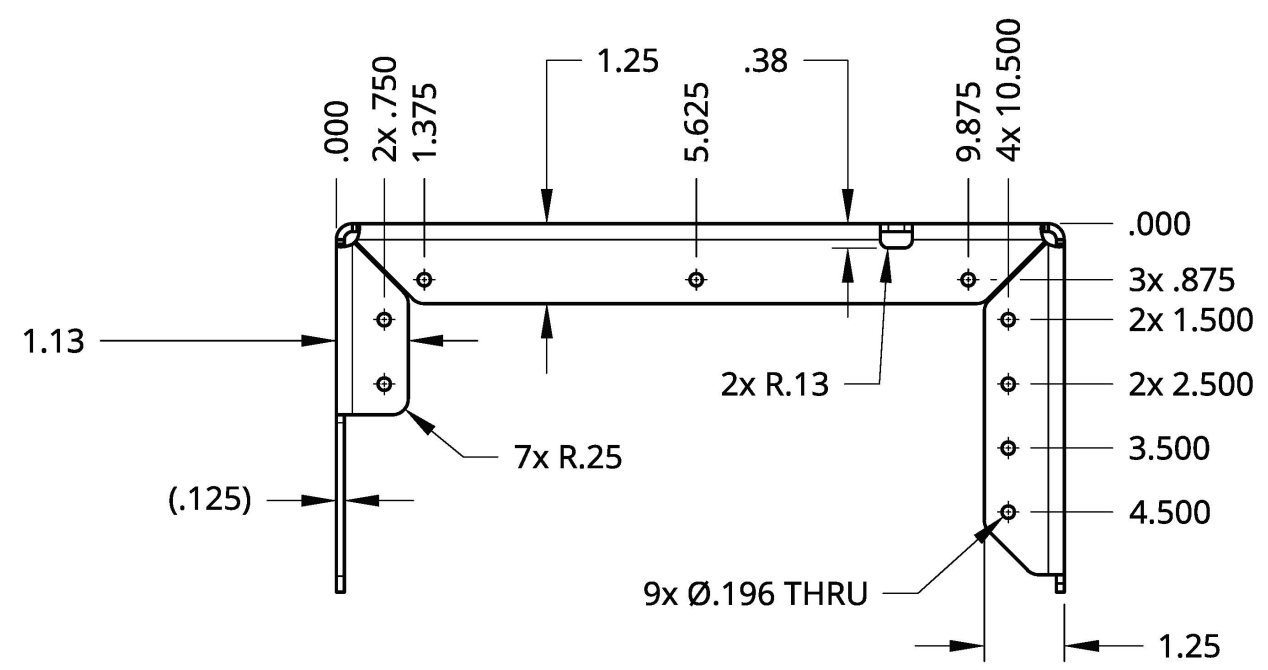
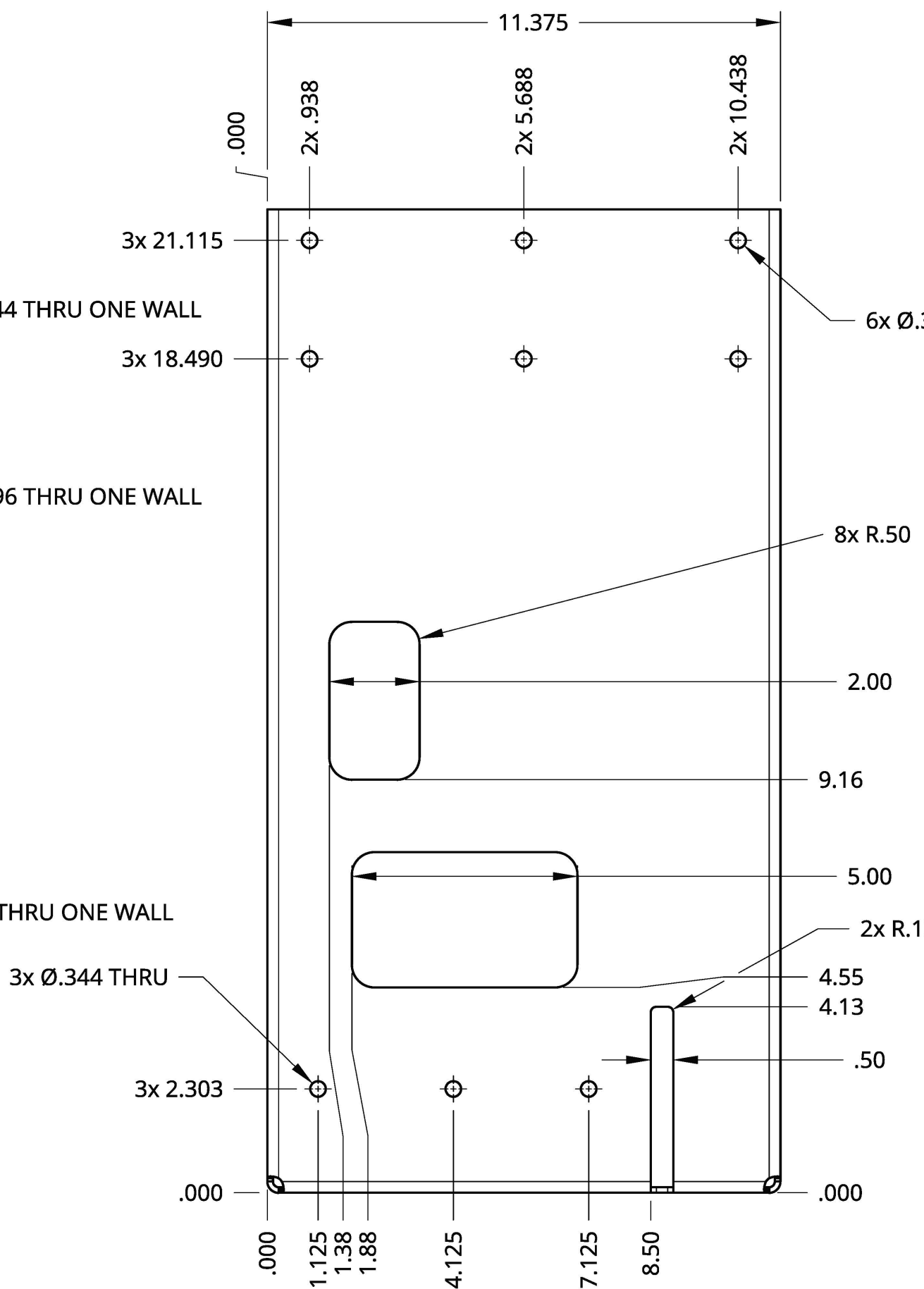
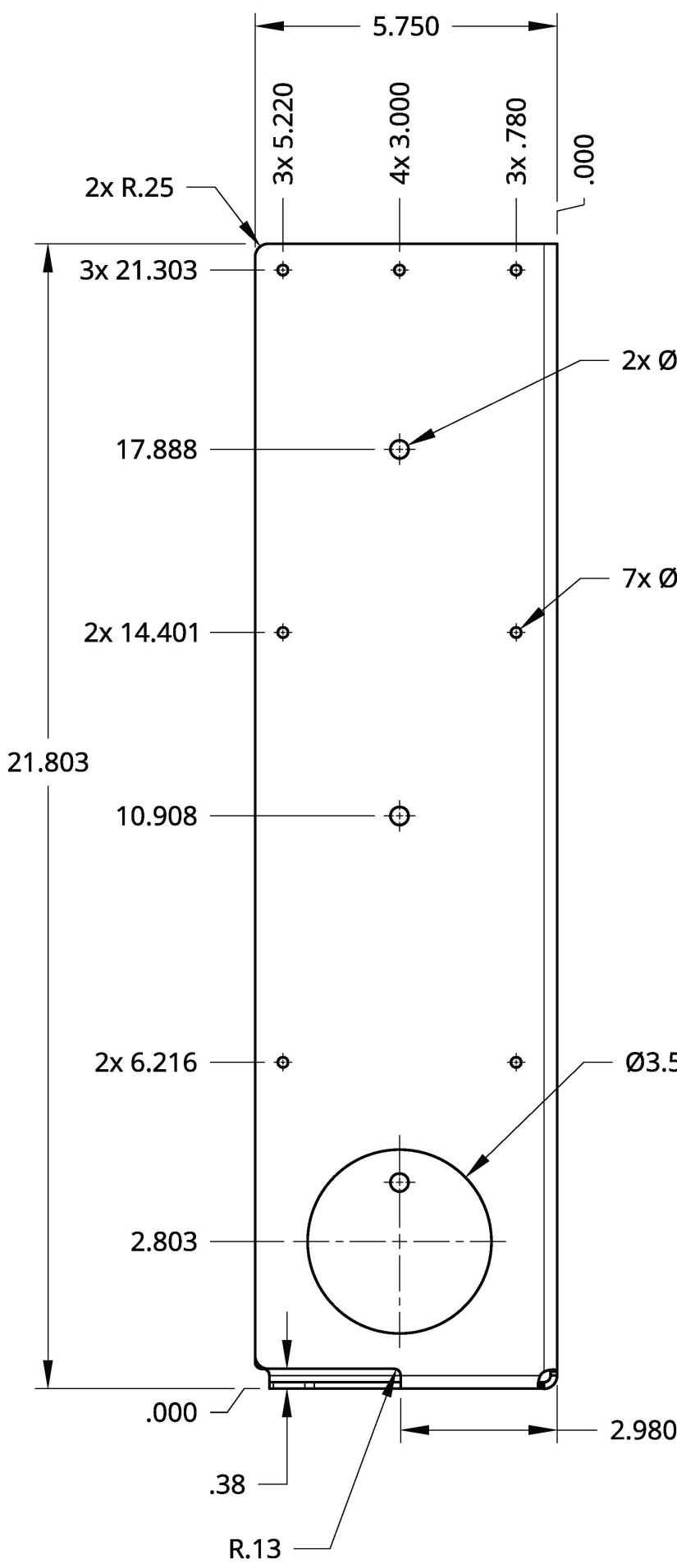
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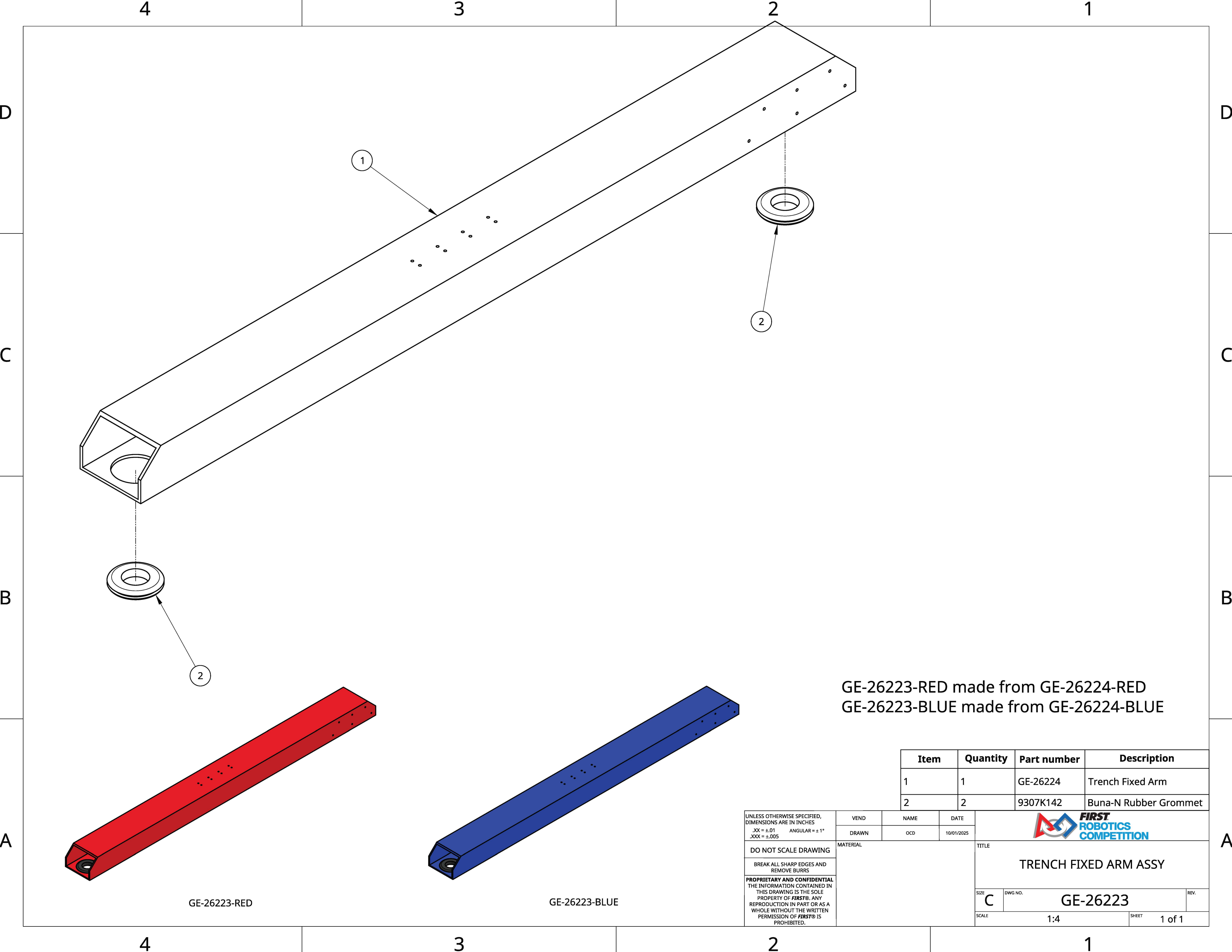
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SCALE 1:4

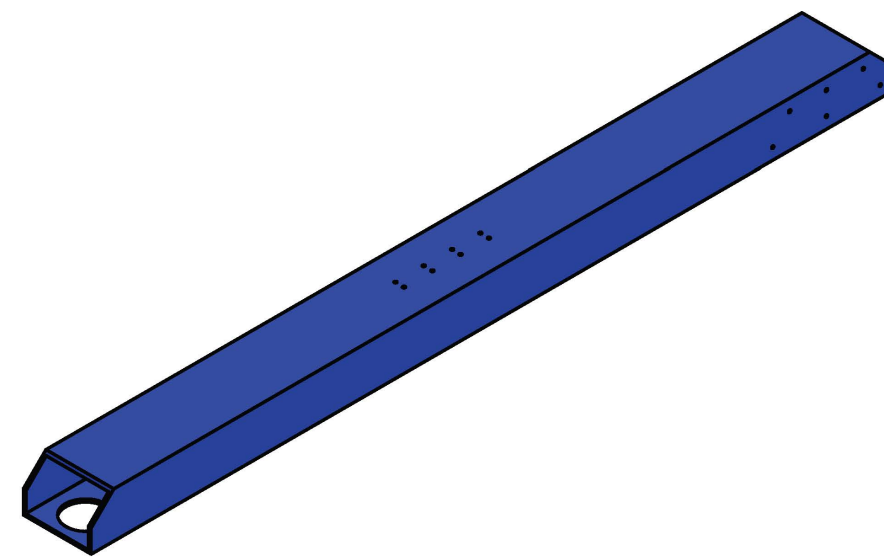
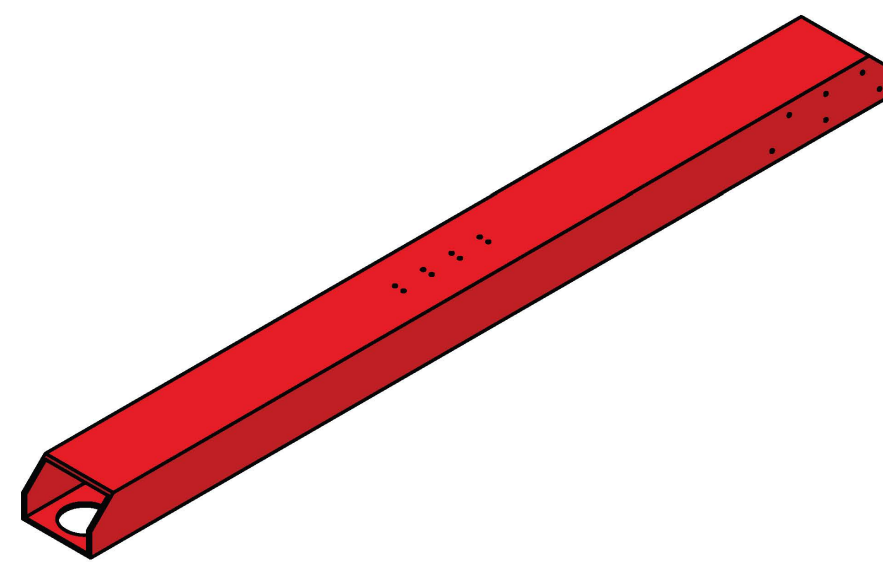
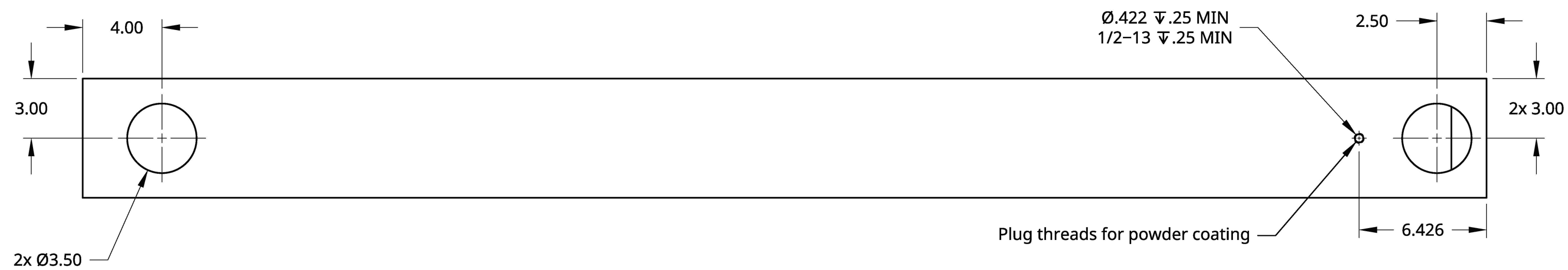
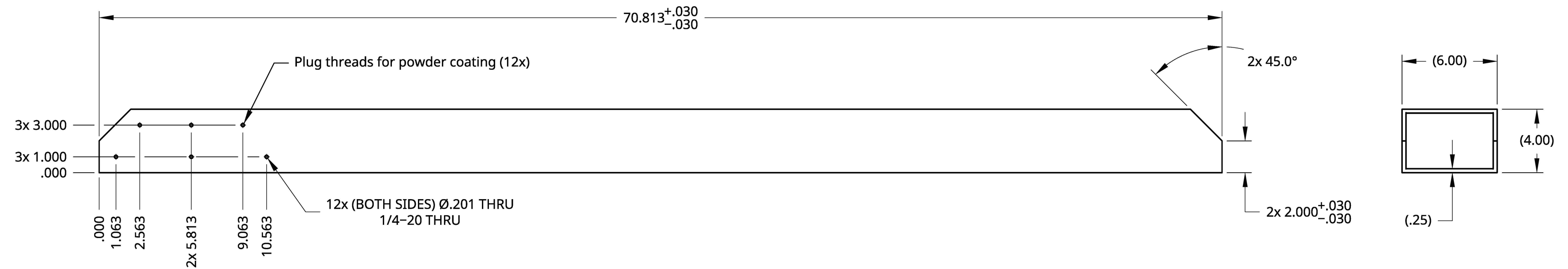
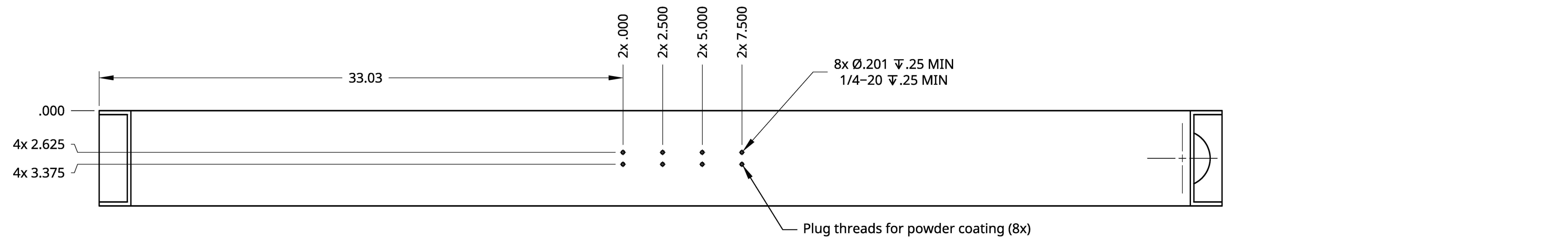
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 .XXX = ±.005	BEND	NAME	DATE		
	DRAWN	OCD	10/01/2025		
	MATERIAL			TITLE	
	0.125IN SHEET, 5052 ALUMINUM			TRENCH FIXED RISER INSIDE BODY	
DO NOT SCALE DRAWING				SIZE	DWG NO.
BREAK ALL SHARP EDGES AND REMOVE BURRS				C	GE-26222-01
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SCALE	REV.
				1:3	2 of 2



GE-26223-RED made from GE-26224-RED
GE-26223-BLUE made from GE-26224-BLUE

Item	Quantity	Part number	Description
1	1	GE-26224	Trench Fixed Arm
2	2	9307K142	Buna-N Rubber Grommet

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE			
	DRAWN	OCD	10/01/2025			
DO NOT SCALE DRAWING	MATERIAL			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				TRENCH FIXED ARM ASSY		
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE C	DWG NO. GE-26223	REV.
				SCALE 1:4	SHEET 1 of 1	



POWDER COATING	
PART NUMBER	COLOR
GE-26224-RED	Powder Coated (Tiger Drylac, 149/33333 Bengal Red, Smooth, High Gloss)
GE-26224-BLUE	Powder Coated (Tiger Drylac, 149/44444 Bengal Blue, Smooth, High Gloss)

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEN	NAME	DATE	
	DRAWN	OCD	09/12/2025	
DO NOT SCALE DRAWING	MATERIAL 4IN X 6IN X 0.25IN RECTANGULAR TUBE, ALUMINUM 6061, POWDER COATED (SEE TABLE)			TITLE
BREAK ALL SHARP EDGES AND REMOVE BURRS				TRENCH FIXED ARM
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®, ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE C
	SCALE 1:5	SHEET 1 of 1		

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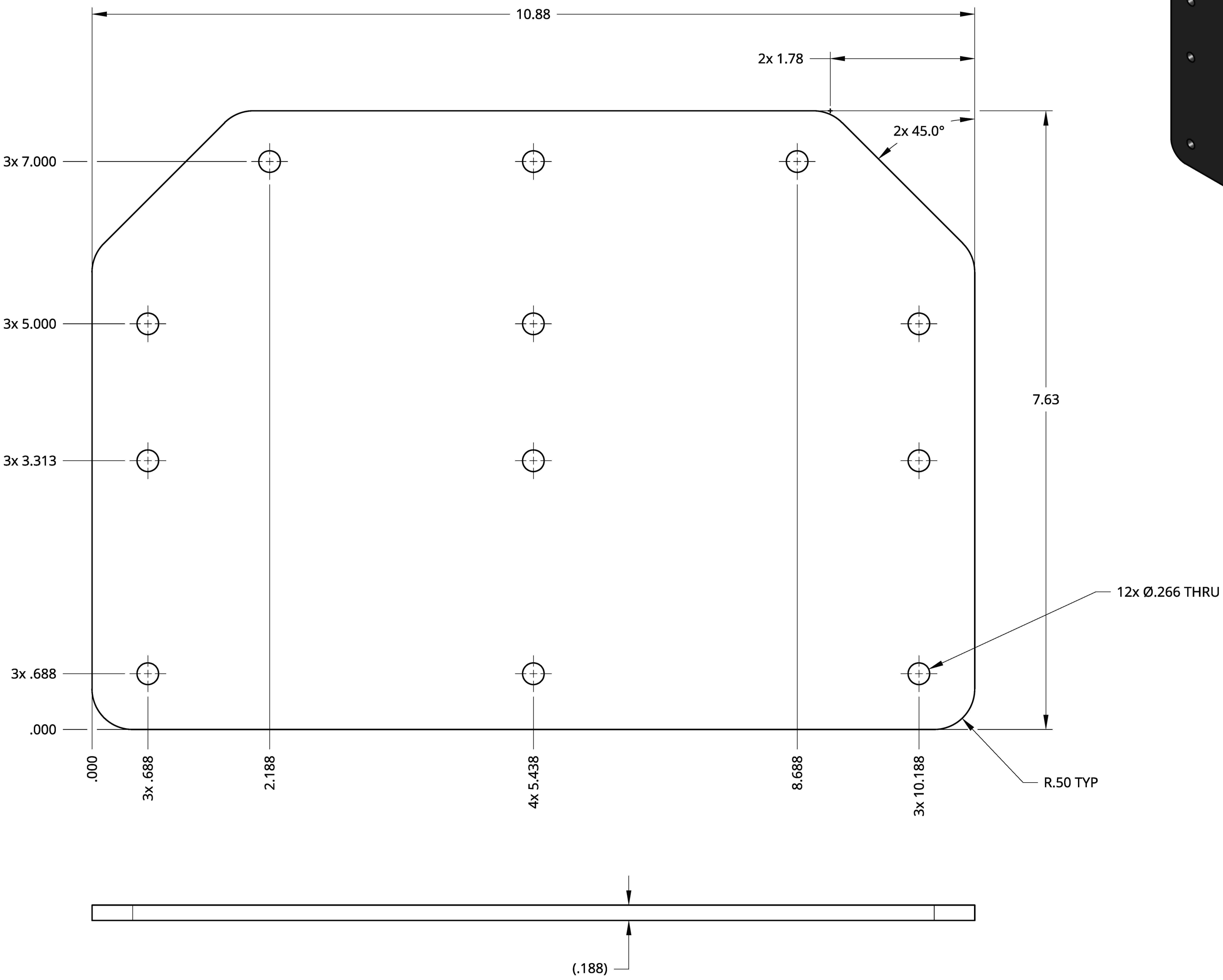
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	BEND	NAME	DATE		
	DRAWN	OCD	10/01/2025		
	DO NOT SCALE DRAWING			TITLE	
BREAK ALL SHARP EDGES AND REMOVE BURRS	MATERIAL			TRENCH FIXED ARM BRACKET	
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				C	
	0.188IN PLATE, LOW CARBON STEEL, POWDER COATED (POWDER TECHNOLOGY INC, PT-ES03-BS13 BLACK MIDNIGHT MAGIC, MATTE)			SCALE	1:1
				SHEET	1 of 1

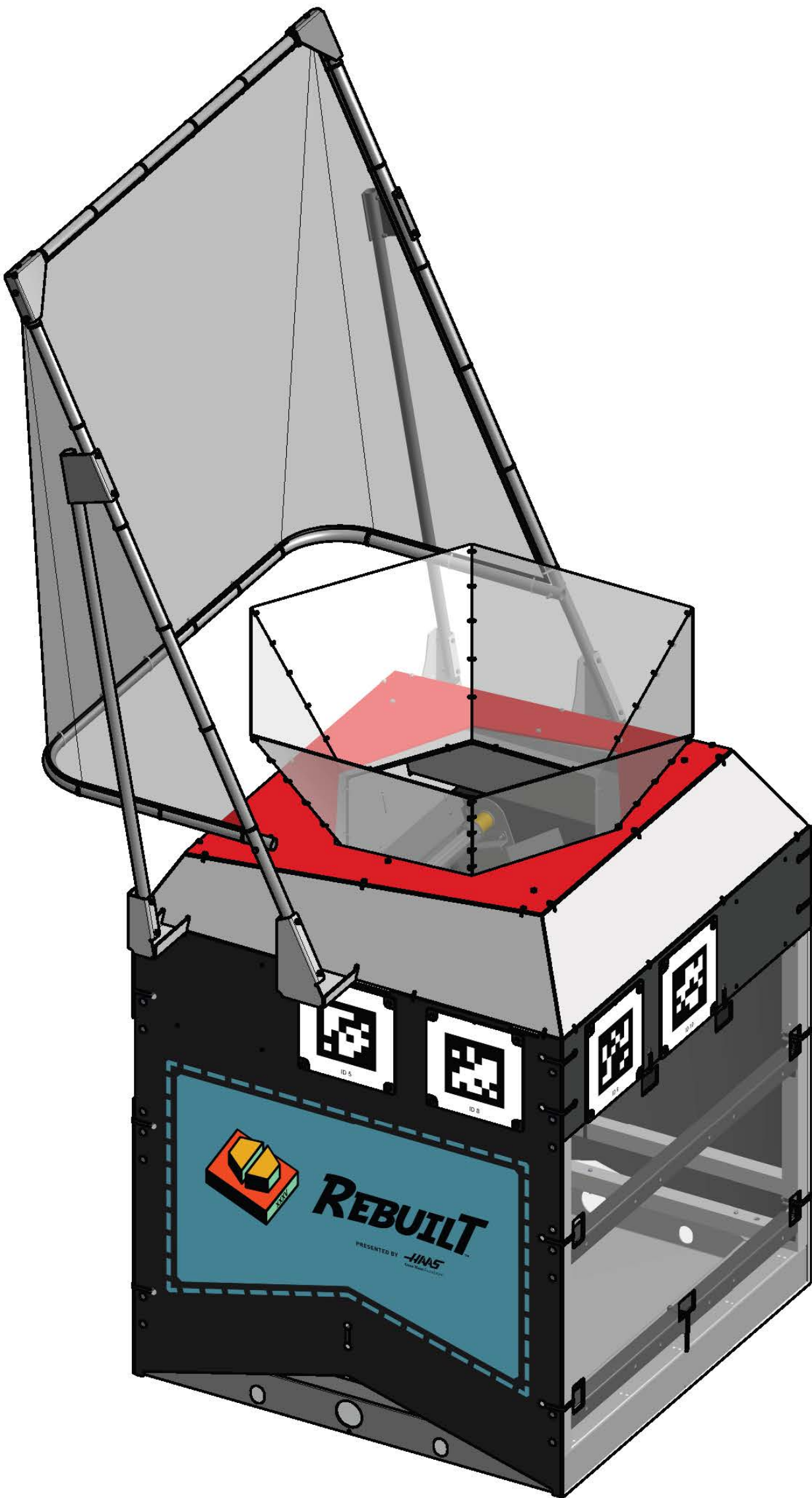
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Item	Quantity	Part number	Description
1	46		Hex bolt 1/4-20 x 2.5 Stainless Steel
2	70		Hex bolt 1/4-20 x 1 Stainless Steel
3	62		Hex lock nut with nylon insert 1/4-20 Stainless Steel
4	24		Hex bolt 1/4-20 x 1.75 Stainless Steel
5	10		Hex bolt 1/4-20 x 3 x 0.75 Stainless Steel
6	1	FE-00083-ID10	AprilTag, ID 10
7	1	FE-00083-ID11	AprilTag, ID 11
8	1	FE-00083-ID2	AprilTag, ID 2
9	1	FE-00083-ID3	AprilTag, ID 3
10	1	FE-00083-ID4	AprilTag, ID 4
11	1	FE-00083-ID5	AprilTag, ID 5
12	1	FE-00083-ID8	AprilTag, ID 8
13	1	FE-00083-ID9	AprilTag, ID 9
14	1	GE-26301	Hub Base Assembly
15	6	GE-26302	Hub Brace Assembly
16	1	GE-26303	Hub Roof Riser, Right Assembly
17	1	GE-26304	Hub Roof Panel
18	1	GE-26306	Hub Rear Panel, Bottom
19	2	GE-26308	Hub Front Panel, Top
20	1	GE-26309	Hub Front Diffuser
21	1	GE-26310	Hub Rear Diffuser
22	2	GE-26311	Hub Side Diffuser
23	5	GE-26312	Hub Crossbar Assembly
24	1	GE-26313	Hub Roof Riser, Left Assembly
25	4	GE-26314	Hub Light Mount
26	1	GE-26315	Hub Funnel Base Assembly
27	2	GE-26316	Hub Ramp Angle Assembly
28	2	GE-26317	Hub Side Frame - Weldment
29	1	GE-26318	Hub Net (Aesthetic)
30	1	GE-26319	Hub Net Pole Holder 1, Right Assembly
31	1	GE-26320	Hub Net Pole Holder 2, Right Assembly
32	1	GE-26322	Hub Net Pole Holder 1, Left Assembly
33	1	GE-26323	Hub Net Pole Holder 2, Left Assembly
34	2	GE-26324	Hub Net Pole, Long
35	2	GE-26325	Hub Net Pole, Short
36	1	GE-26326	Hub Net Pole, Top
37	2	GE-26327	Hub Side Panel Plastic and Vinyl
38	1	GE-26328	Hub Front Panel, Bottom
39	6	GE-26329	Hub Funnel Side
40	1	GE-26330	Hub Net Pole, Bottom
41	2	GE-26331	Hub Internal Wall
42	1	GE-26332	Hub Ramp, Small
43	1	GE-26333	Hub Ramp, Large
44	2	GE-26334	Hub Pole Connector Bracket
45	2	GE-26335	Hub Pole Corner Brace
46	1	GE-26400	Fuel Counter
47	4		Light Assembly
48	22		Cable Tie, 120lb, Black
49	108		Cable Tie, 50lb, White



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±1.00 ANGULAR = ± 5° .XXX = ±0.250	FIELD	NAME	DATE		
	DRAWN	DF	10/26/2025		
DO NOT SCALE DRAWING	MATERIAL			TITLE	
BREAK ALL SHARP EDGES AND REMOVE BURRS				HUB	
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SCALE 1:12		SHEET 1 of 4		REV.	

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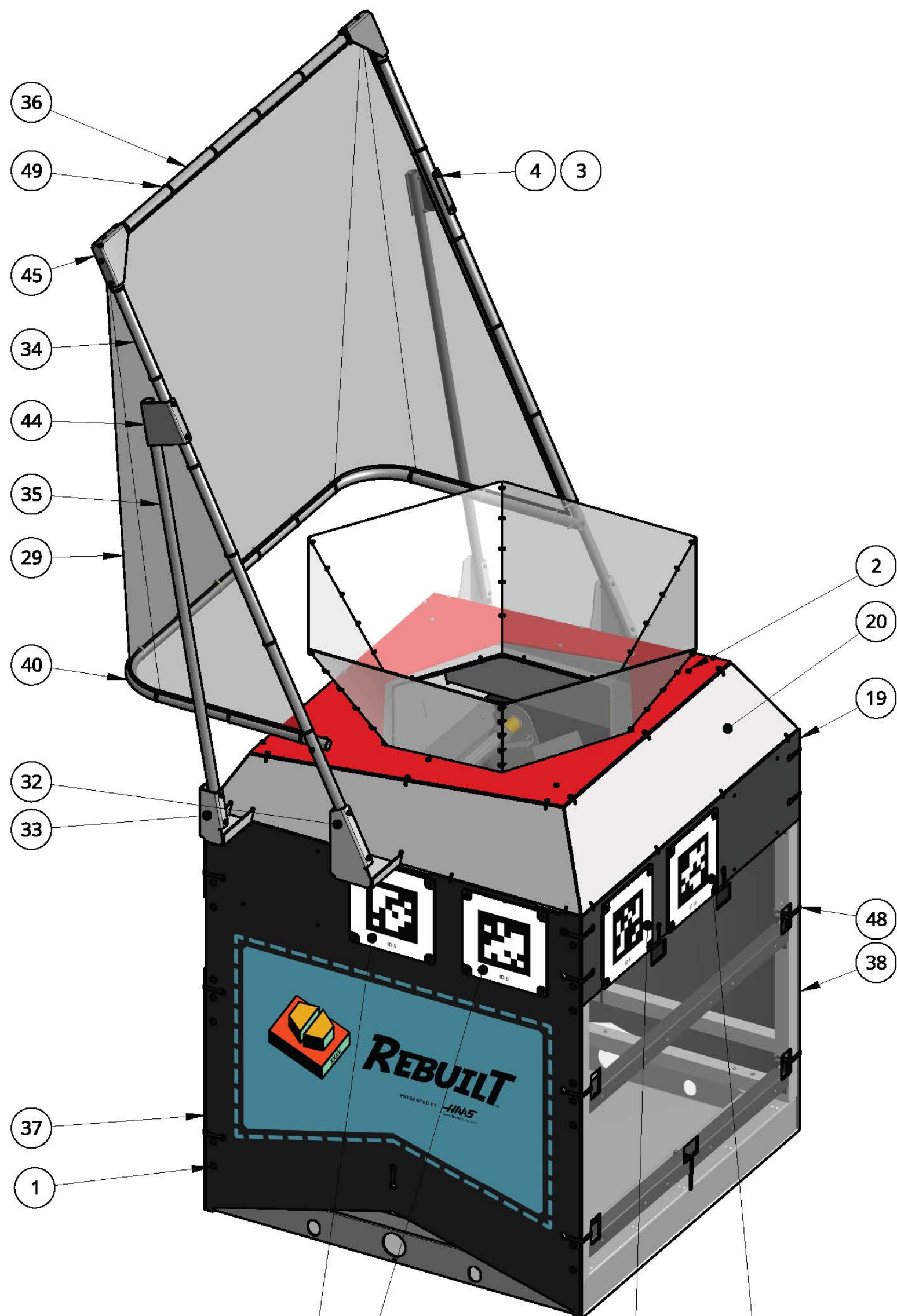
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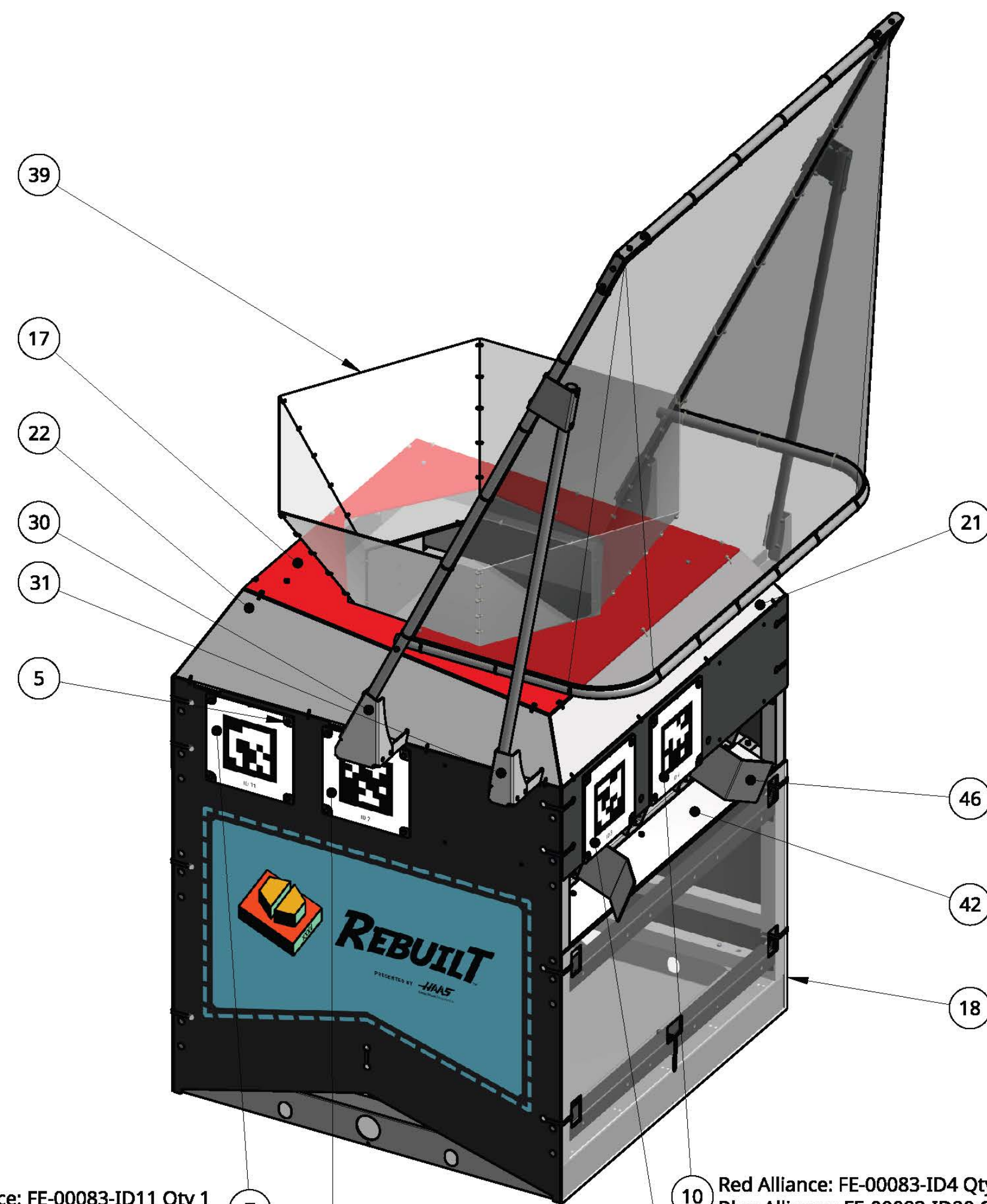


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Blue Alliance: FE-00083-ID21 Qty 1

Red Alliance: FE-00083-ID8 Qty 1
Blue Alliance: FE-00083-ID24 Qty 1

Red Alliance: FE-00083-ID10 Qty 1
Blue Alliance: FE-00083-ID26 Qty 1

Red Alliance: FE-00083-ID9 Qty 1
Blue Alliance: FE-00083-ID25 Qty 1



Red Alliance: FE-00083-ID11 Qty 1
Blue Alliance: FE-00083-ID27 Qty 1

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Red Alliance: FE-00083-ID4 Qty 1
Blue Alliance: FE-00083-ID20 Qty 1

Red Alliance: FE-00083-ID3 Qty 1
Blue Alliance: FE-00083-ID19 Qty 1

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES
.XX = ±1.00 ANGULAR = ±5°
.XXX = ±0.250

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FIELD	NAME	DATE
DRAWN	DF	10/26/2025

MATERIAL

TITLE

SIZE
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SCALE
1:12

NAME
DF

DATE
10/26/2025

TITLE
HUB

SIZE
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SCALE
1:12

DWG NO.
GE-26300

REV.

REVISIONS

SCALE
1:12

SHEET
2 of 4

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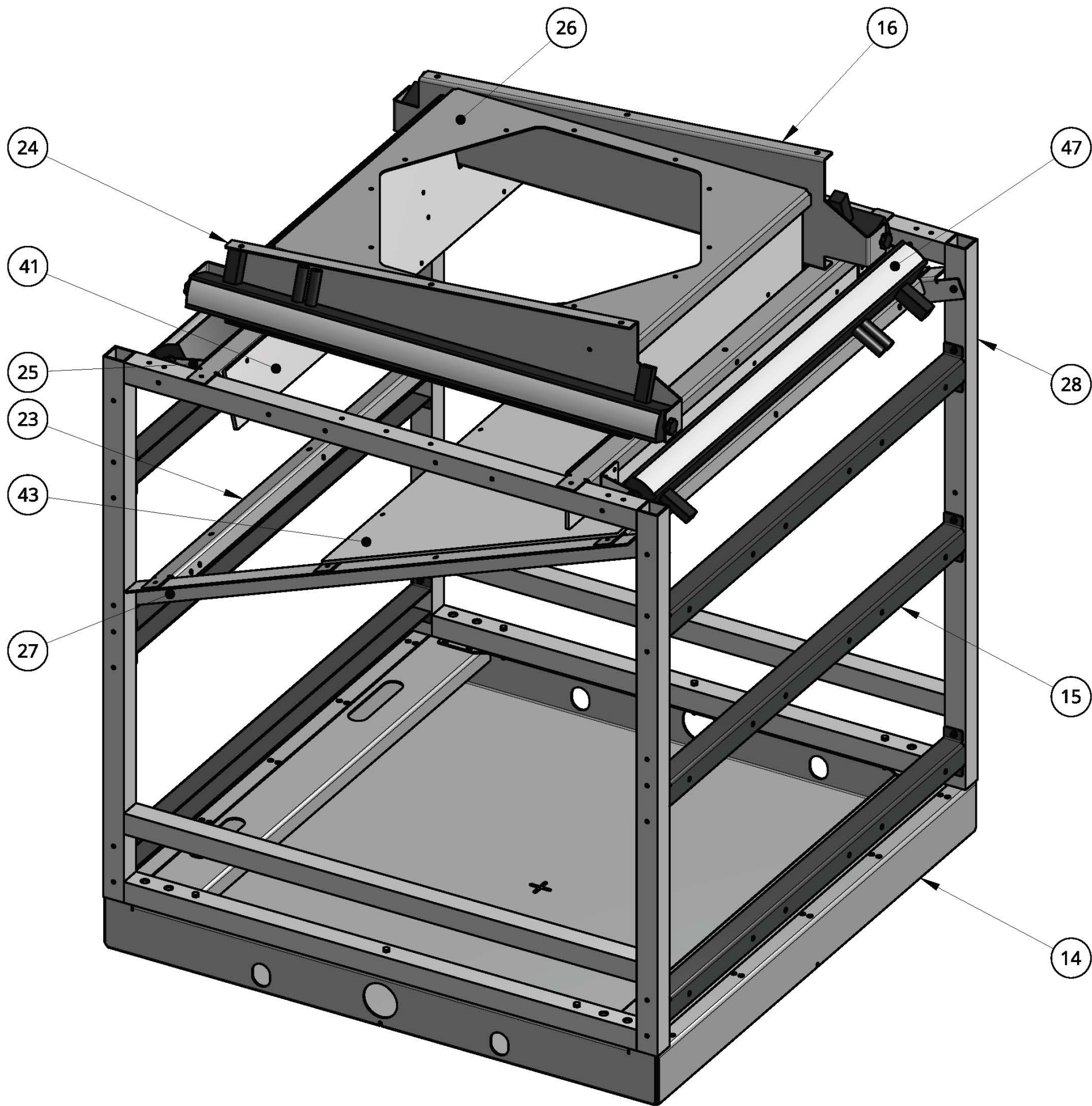
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±1.00 ANGULAR = ± 5° .XXX = ±0.250	FIELD	NAME	DATE		
	DRAWN	DF	10/26/2025		
DO NOT SCALE DRAWING	MATERIAL			TITLE	
BREAK ALL SHARP EDGES AND REMOVE BURRS				HUB	
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.	SIZE	DWG NO.	REV.	GE-26300	
	C				
SCALE 1:8			SHEET 3 of 4		

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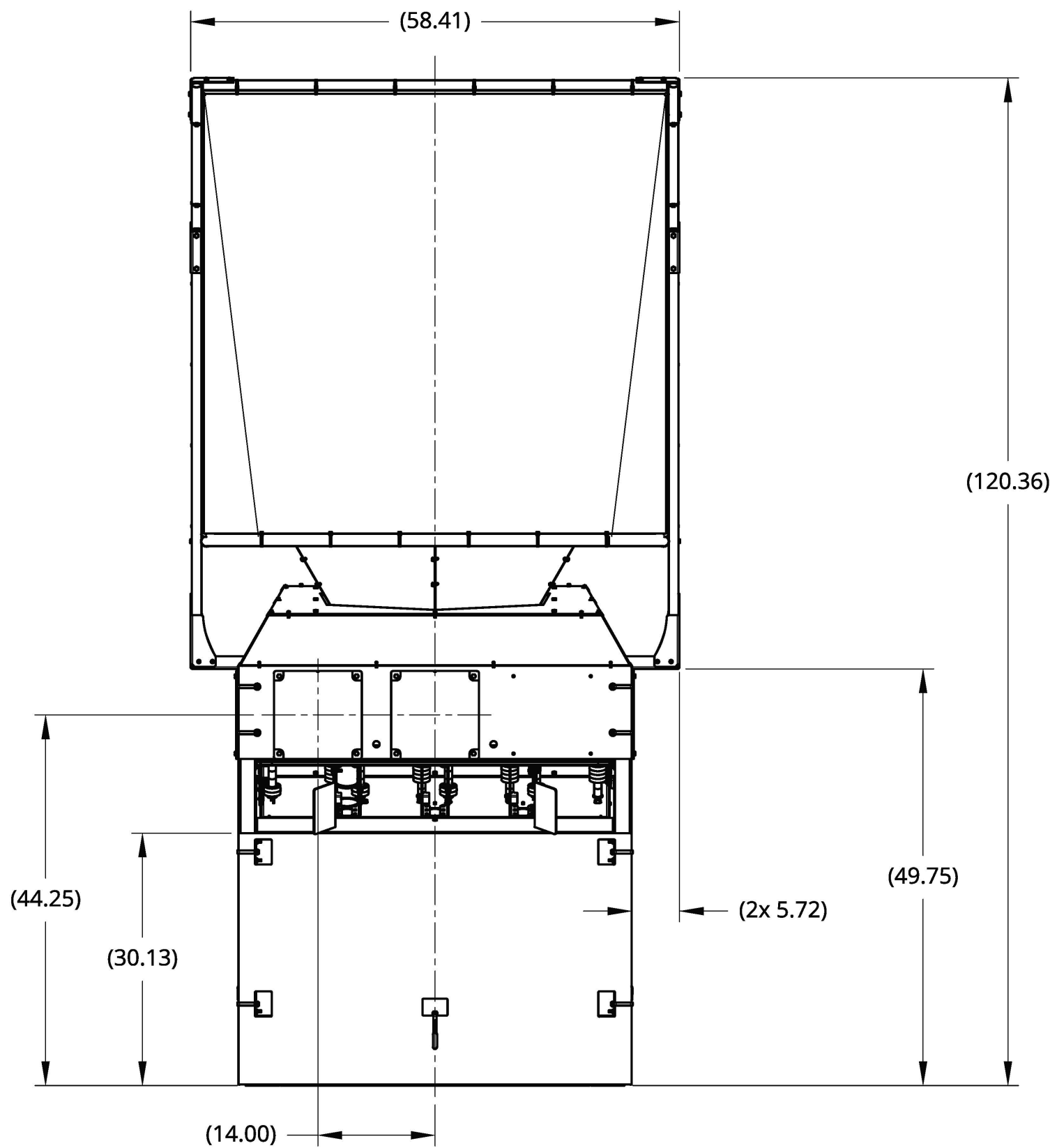
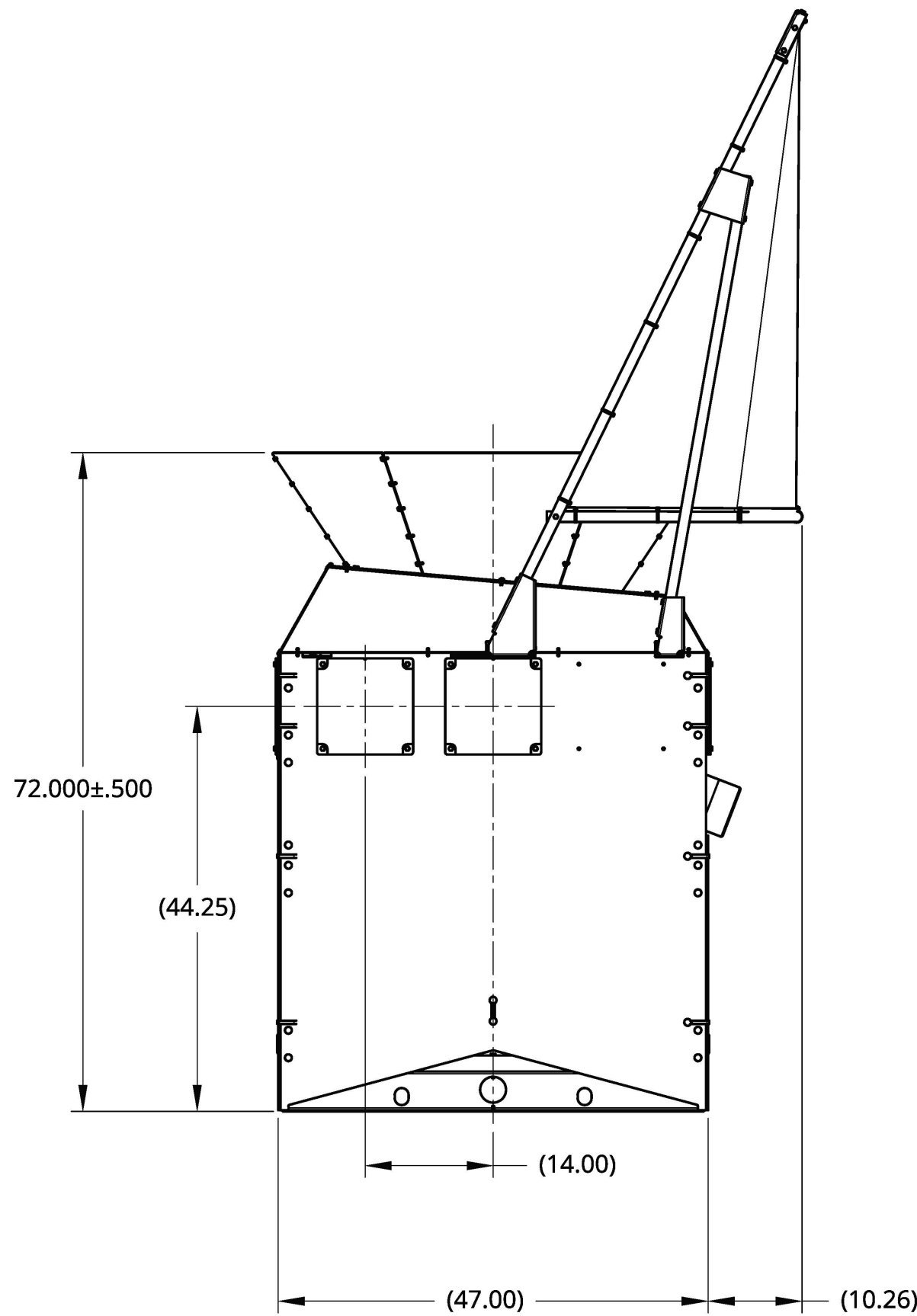
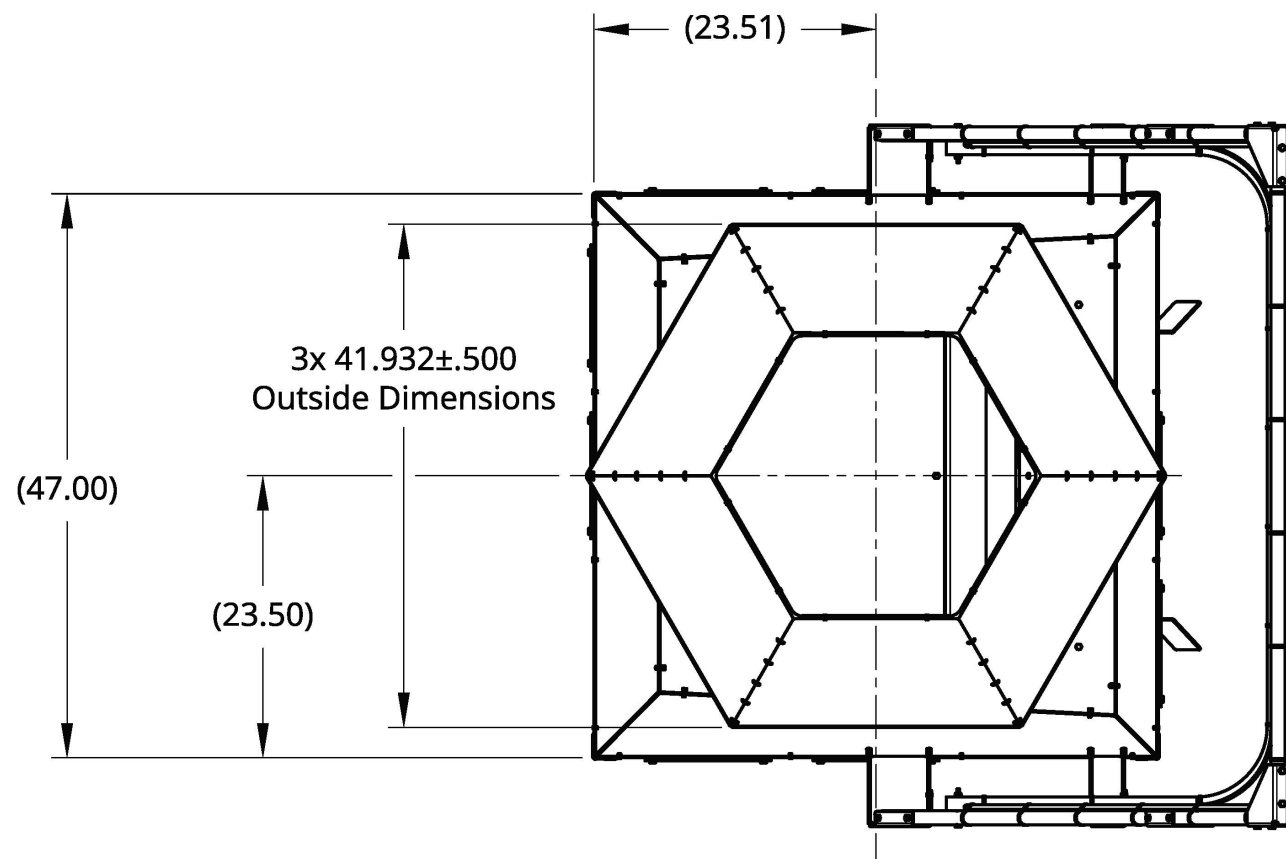
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±1.00 ANGULAR = ± 5° .XXX = ±0.250	FIELD	NAME	DATE		FIRST ROBOTICS COMPETITION	
	DRAWN	DF	10/26/2025			
DO NOT SCALE DRAWING	MATERIAL			TITLE HUB		
BREAK ALL SHARP EDGES AND REMOVE BURRS						
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST® . ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.						
				SIZE C	DWG NO. GE-26300	REV.
				SCALE 1:16	SHEET 4 of 4	

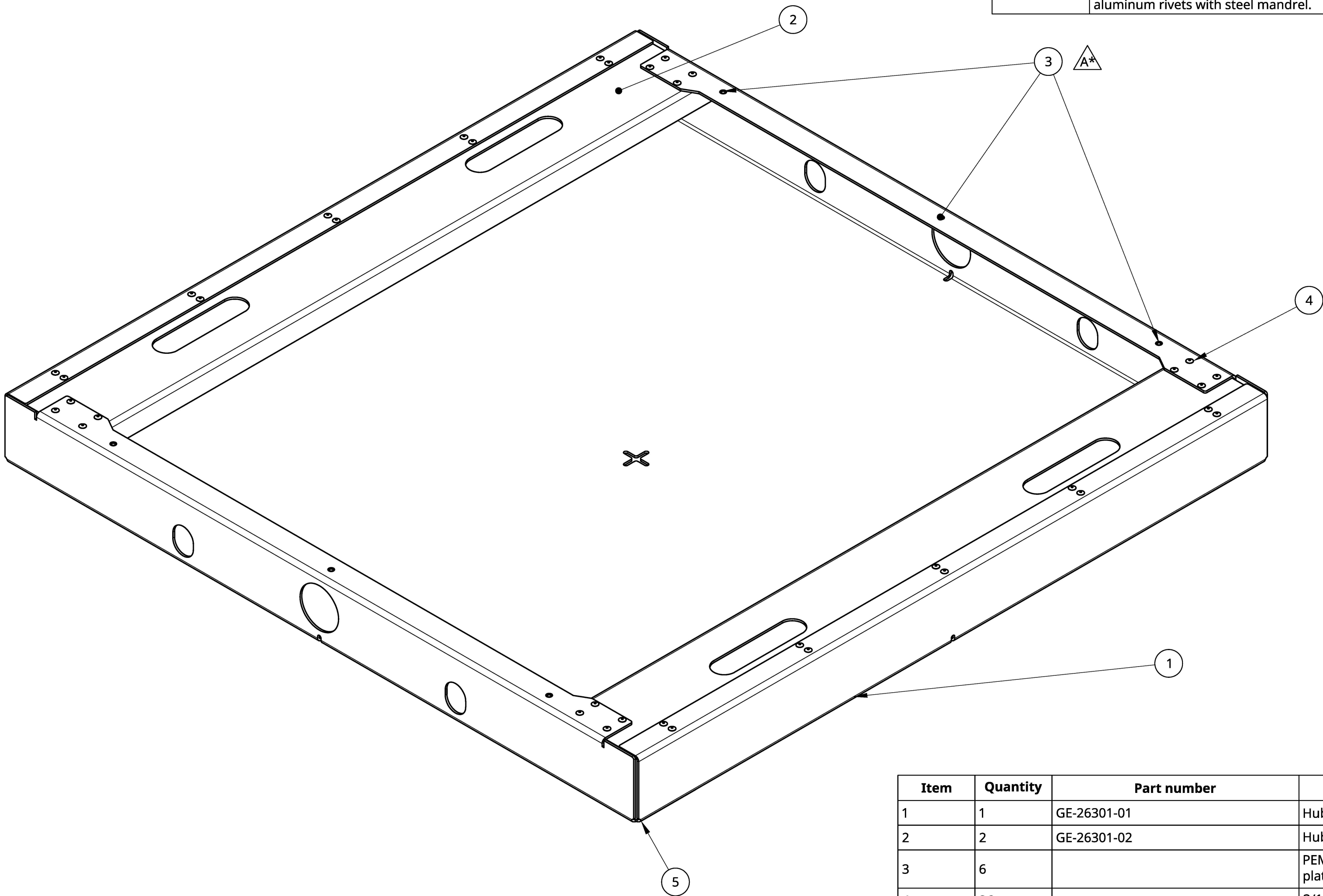
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REVISIONS			
Revision	Revision description	Date drawn	Drawn by
A*	Item 3 updated. Title Updated. Added slots (6x). Added 10x more Ø.194 holes. 45.03 was 45.53, 1.50 was 1.00. Added note specifying aluminum rivets with steel mandrel.	2025-09-25	Derek



NOTE: All rivets to be aluminum bodied rivets with steel mandrel.

Item	Quantity	Part number	Description
1	1	GE-26301-01	Hub Base
2	2	GE-26301-02	Hub Base, Brace
3	6		PEM S-0420-3 ZI Carbon Steel Zinc plated
4	36		3/16in Rivet, 0.126-0.250in Grip Length
5	2	4in Wide Hook Tape	46in Long
6	2	4in Wide Hook Tape	37in Long

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES
.XX = ±.01 ANGULAR = ± 1°
.XXX = ±.005

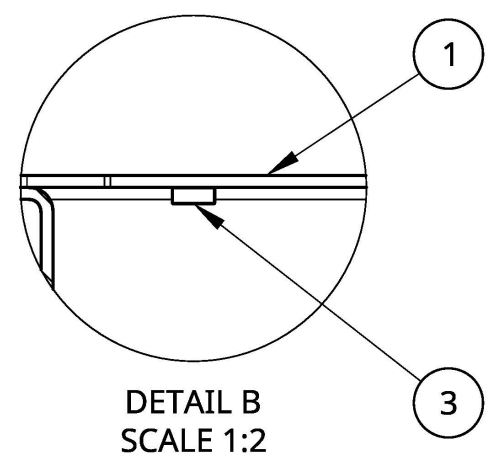
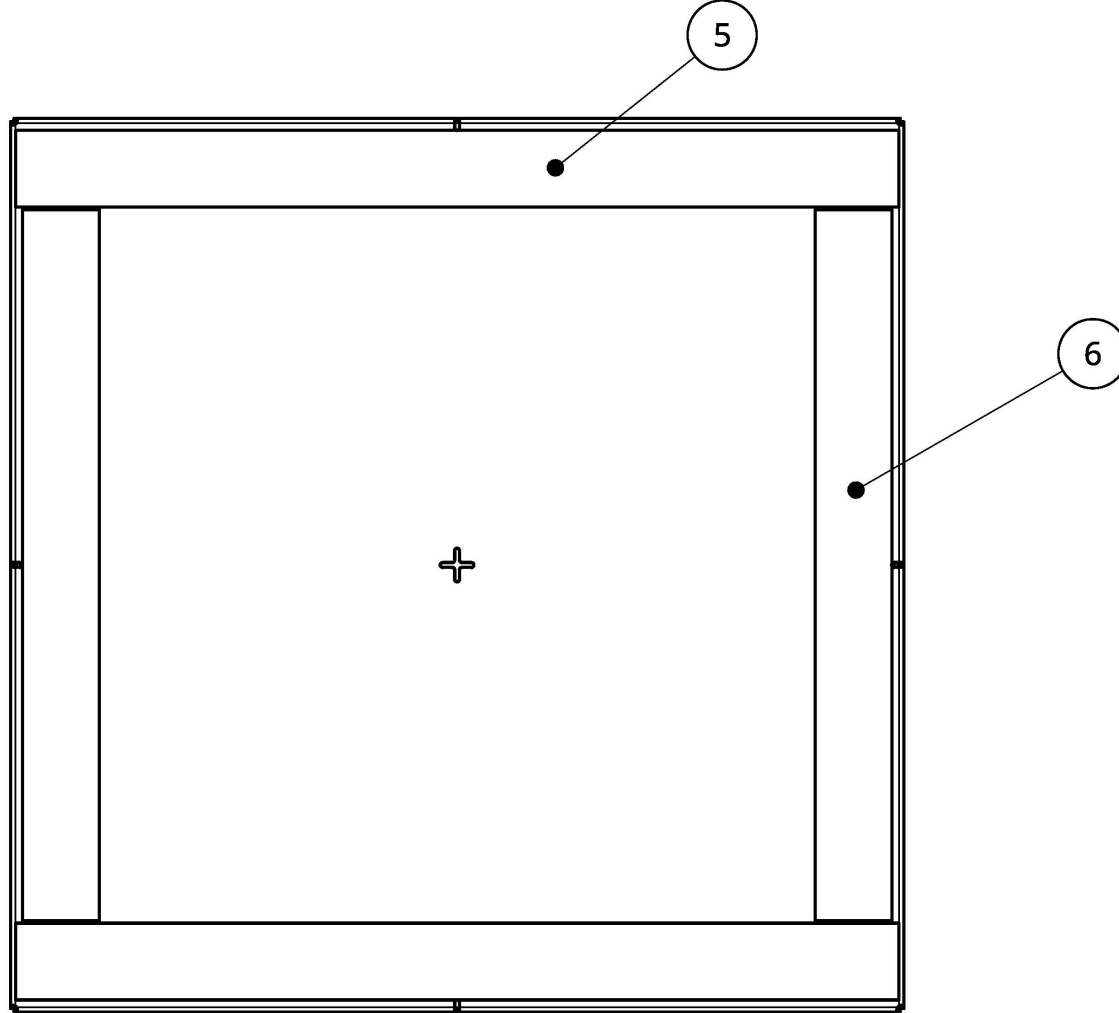
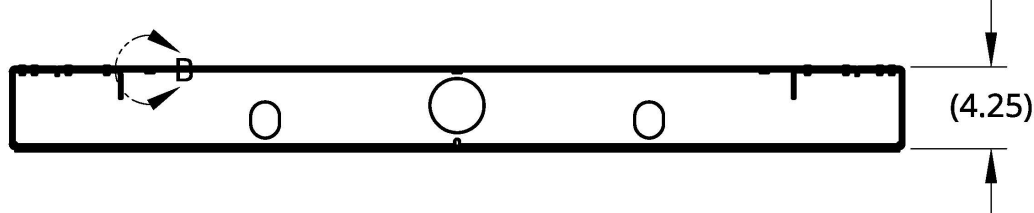
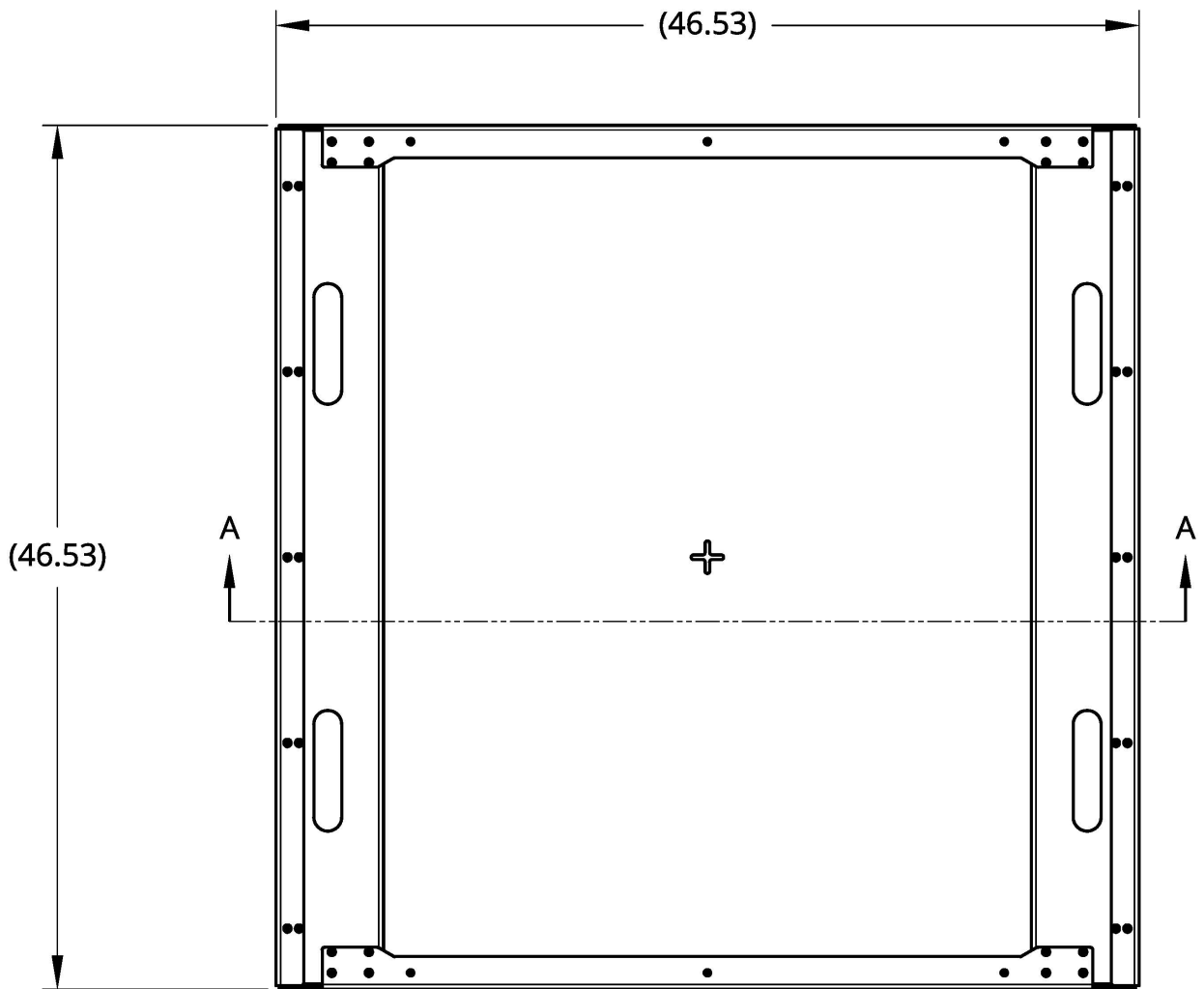
DO NOT SCALE DRAWING

BREAK ALL SHARP EDGES AND
REMOVE BURRS

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN
THIS DRAWING IS THE SOLE
PROPERTY OF FIRST®. ANY
REPRODUCTION IN PART OR AS A
WHOLE WITHOUT THE WRITTEN
PERMISSION OF FIRST® IS
PROHIBITED.

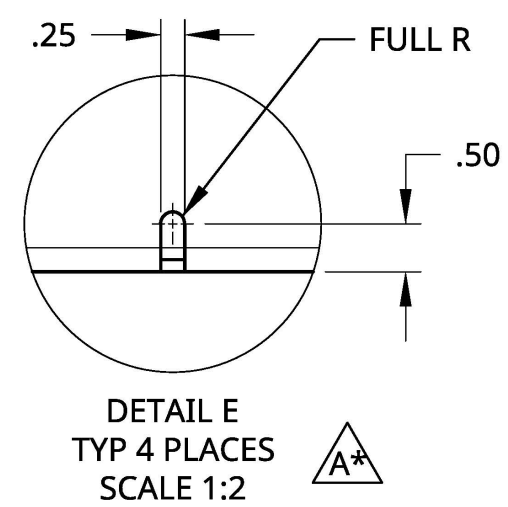
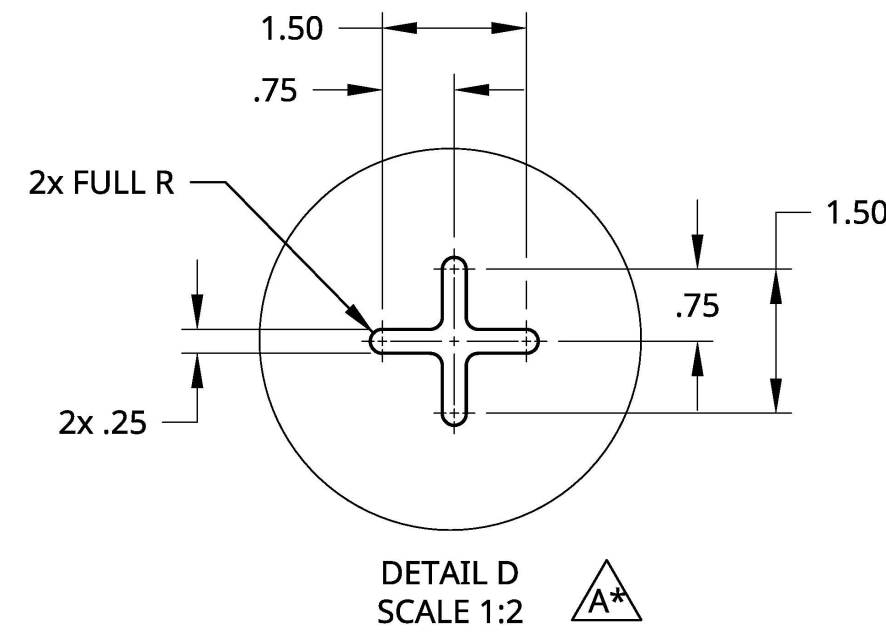
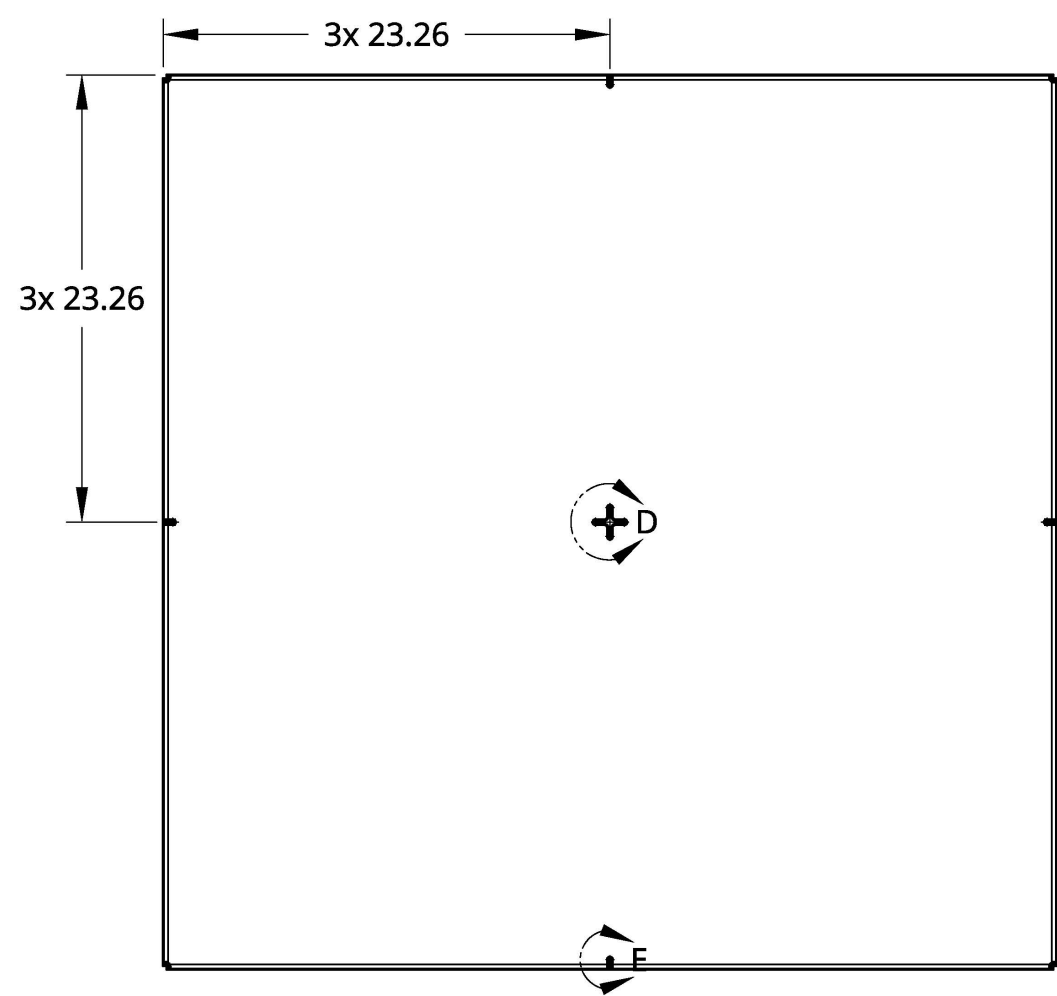
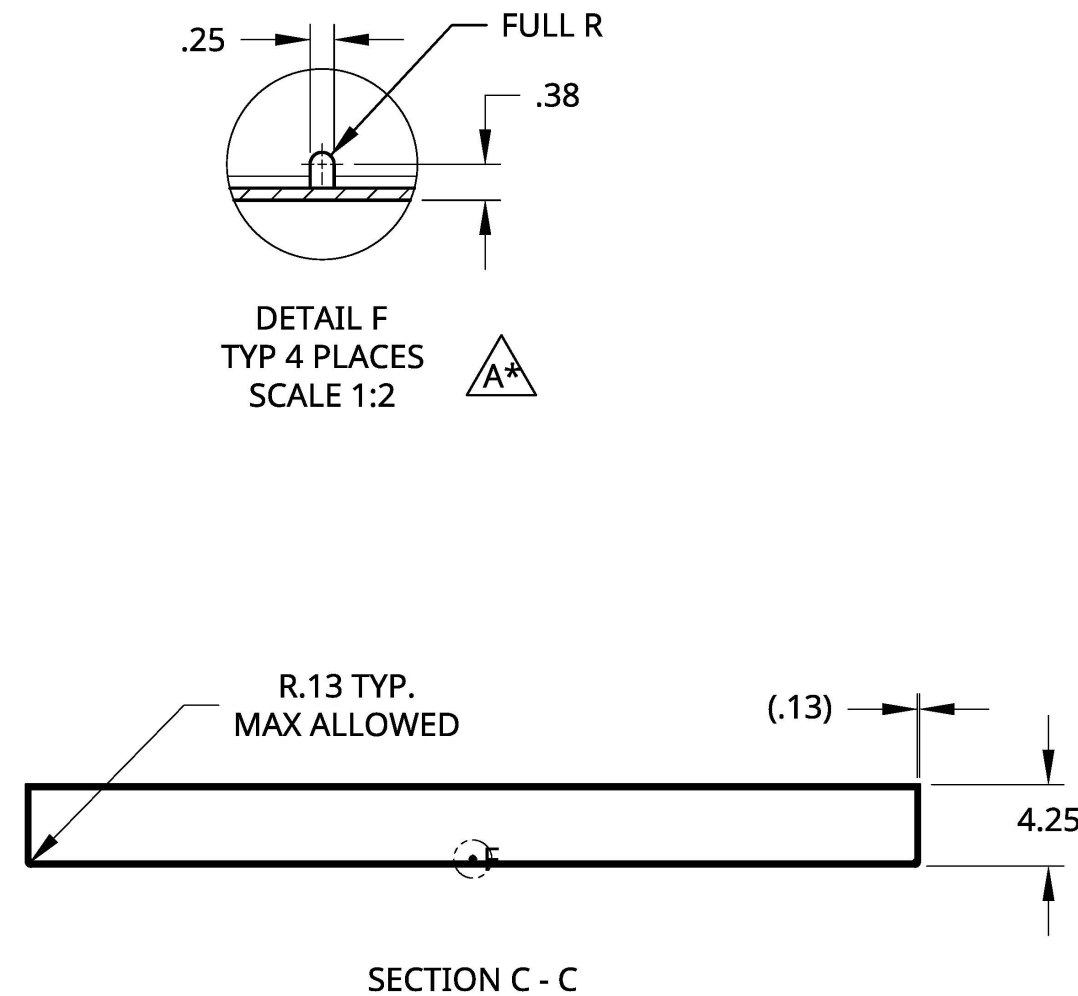
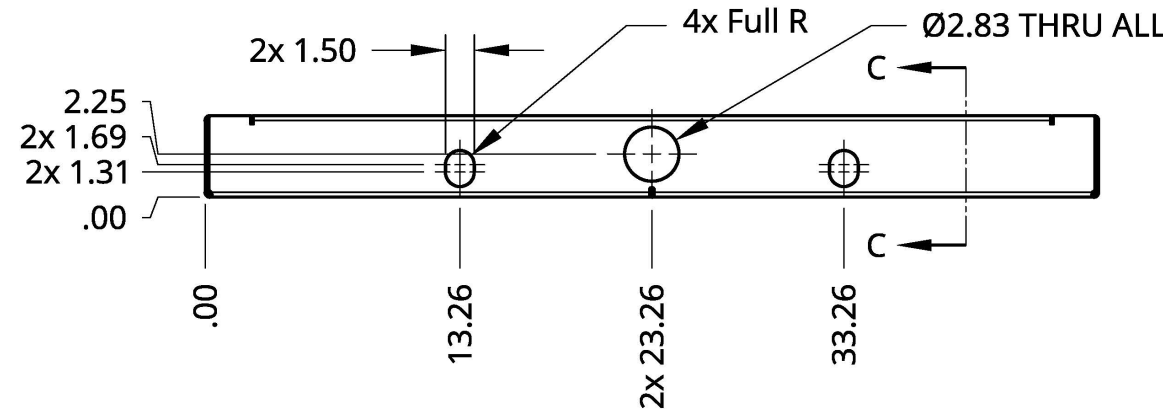
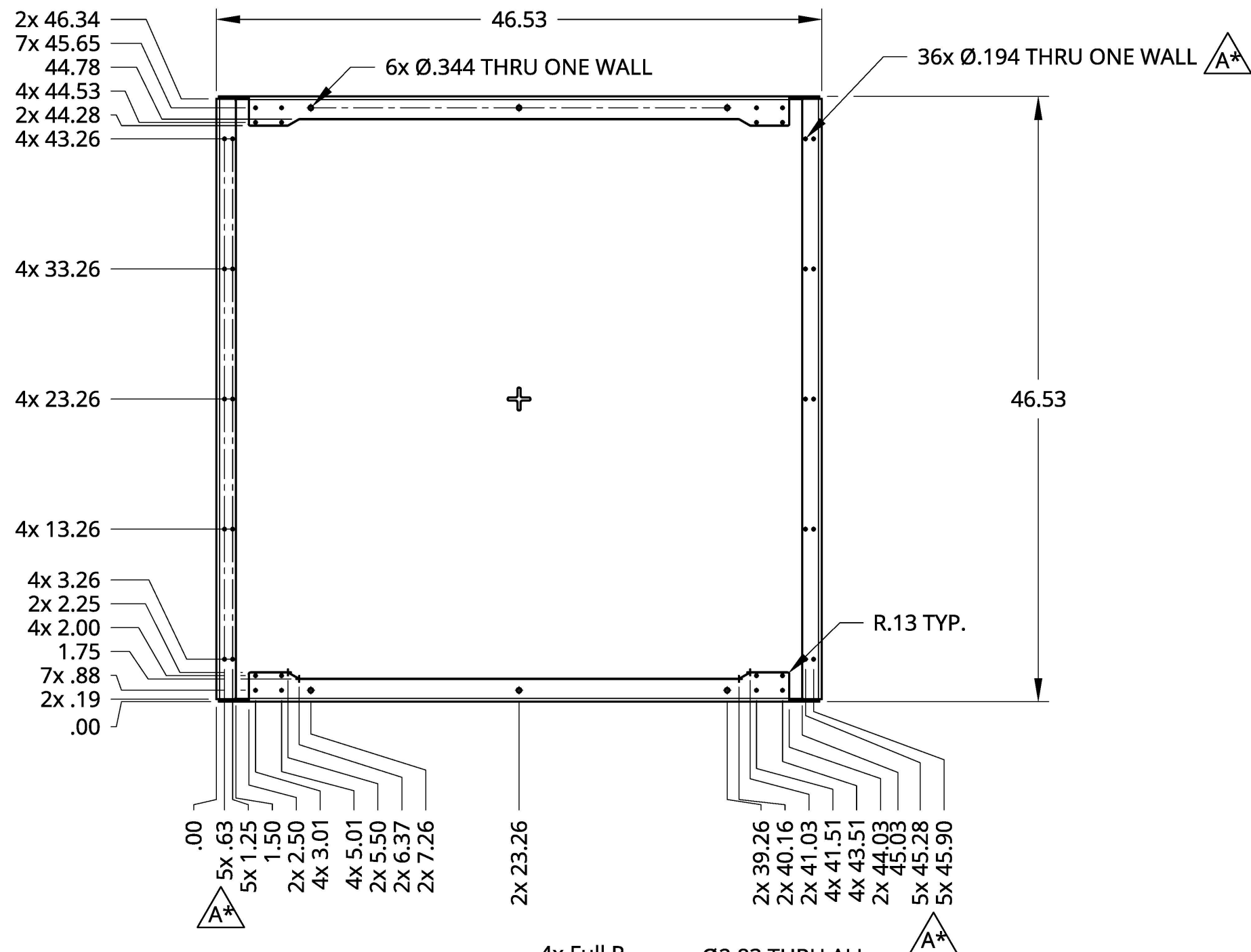
BEND	NAME	DATE
DRAWN	DF	09/25/2025
MATERIAL		
1/8" 5052 ALUMINUM SHEET		

TITLE		
A* HUB BASE ASSEMBLY		
SIZE	DWG NO.	REV.
C	GE-26301	A
SCALE	1:4	SHEET 1 of 4



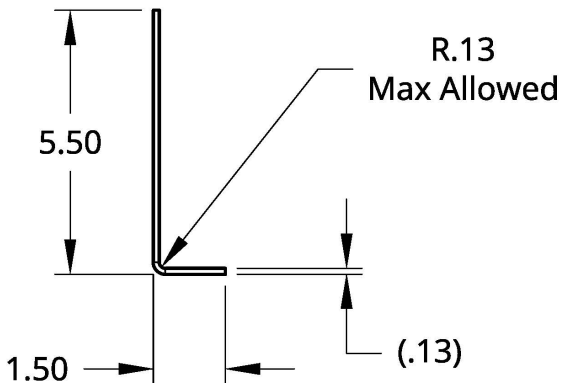
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005 DO NOT SCALE DRAWING BREAK ALL SHARP EDGES AND REMOVE BURRS PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF <i>FIRST</i> ®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF <i>FIRST</i> ® IS PROHIBITED.	BEND	NAME	DATE			
	DRAWN	DF	09/25/2025			
	MATERIAL			TITLE		
	1/8" 5052 ALUMINUM SHEET			HUB BASE ASSEMBLY		
SIZE		DWG NO.		REV.		
C		GE-26301		A		
SCALE			1:10		SHEET	
					2 of 4	

REVISIONS
See sheet 1

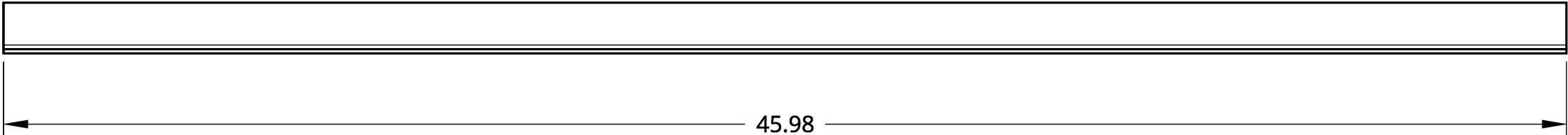
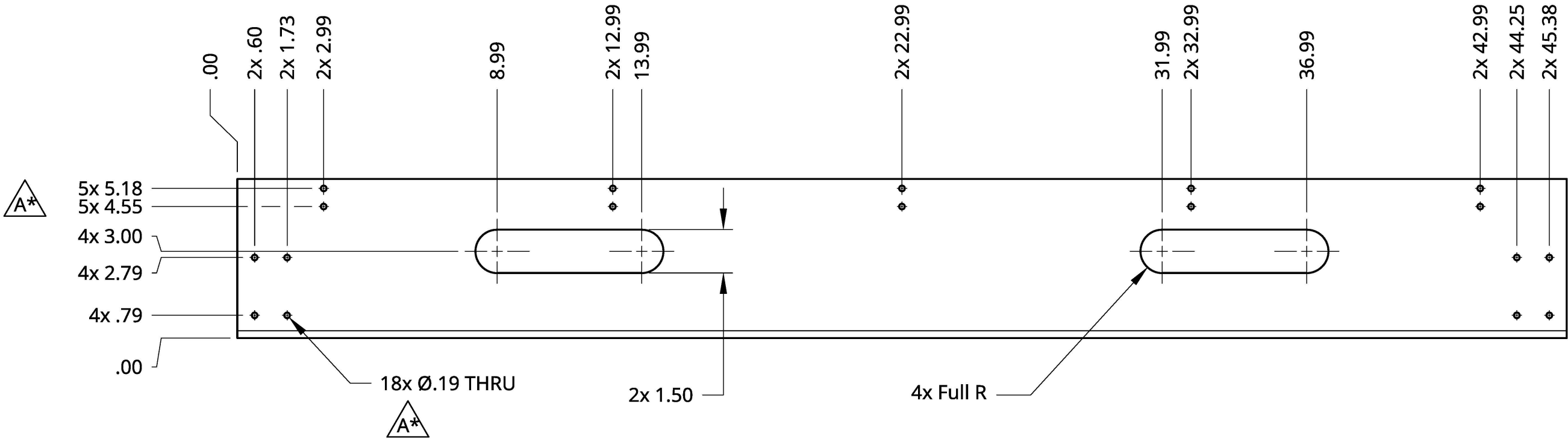


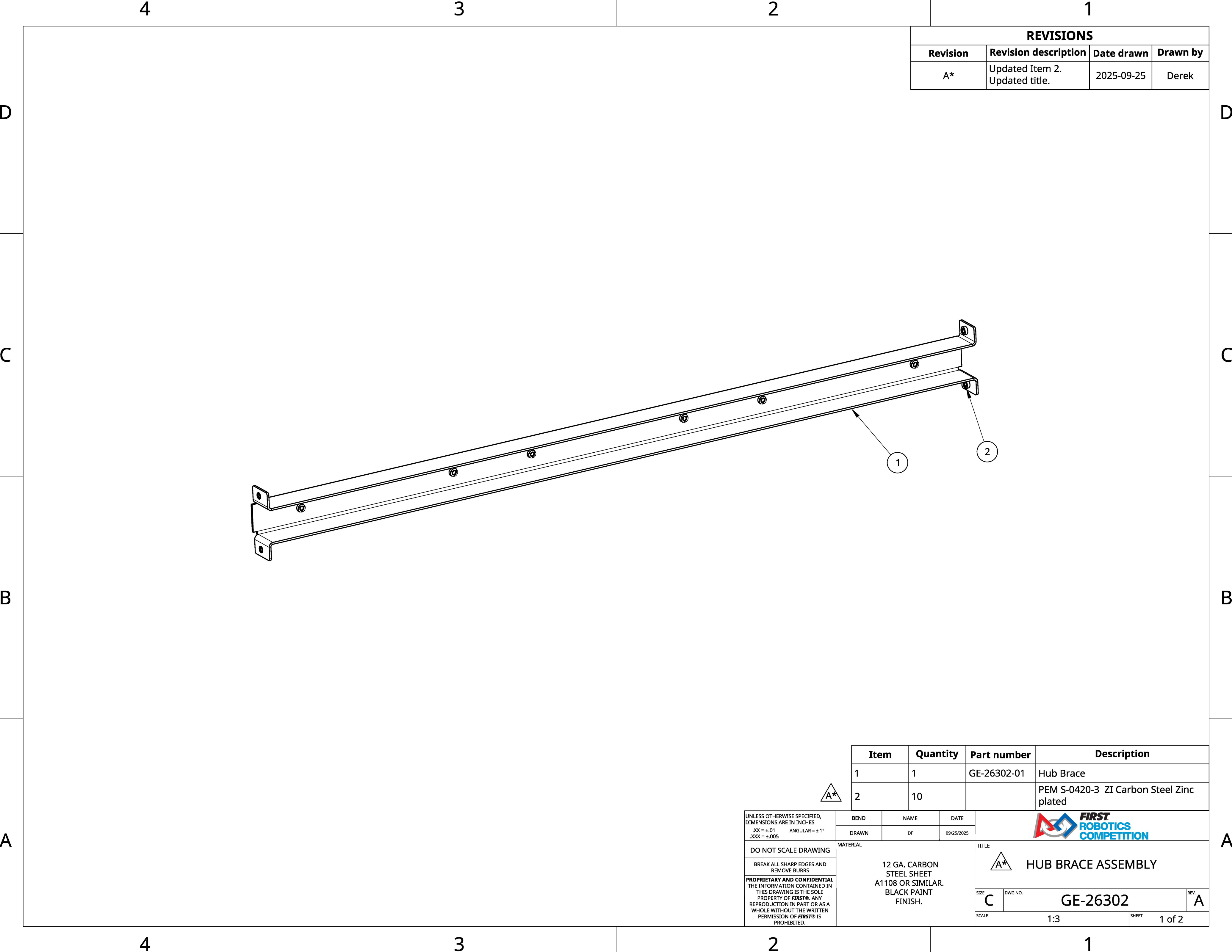
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005 DO NOT SCALE DRAWING BREAK ALL SHARP EDGES AND REMOVE BURRS PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.	BEND	NAME	DATE		
	DRAWN	DF	09/25/2025		
	MATERIAL			TITLE	
	1/8" 5052 ALUMINUM SHEET			HUB BASE	
SIZE		DWG NO.		REV.	
C		GE-26301-01		A	
SCALE		1:10		SHEET	
				3 of 4	

REVISIONS
See sheet 1



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	BEND	NAME	DATE		
	DRAWN	DF	09/25/2025		
	MATERIAL			TITLE	
DO NOT SCALE DRAWING	1/8" 5052 ALUMINUM SHEET			HUB BASE, BRACE	
BREAK ALL SHARP EDGES AND REMOVE BURRS				SIZE C	REV A
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF <i>FIRST</i> ®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF <i>FIRST</i> ® IS PROHIBITED.				SCALE 1:4	SHEET 4 of 4



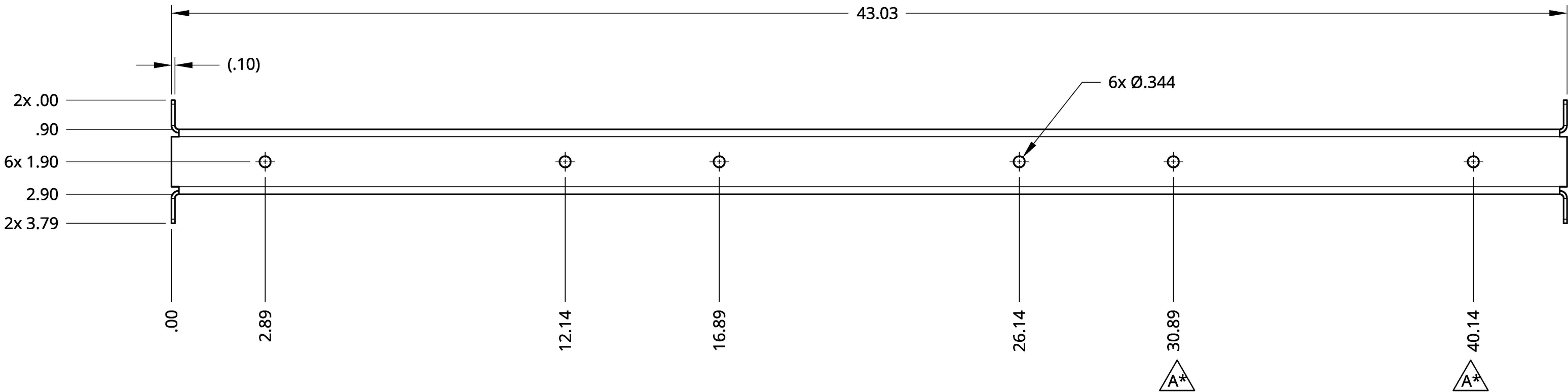
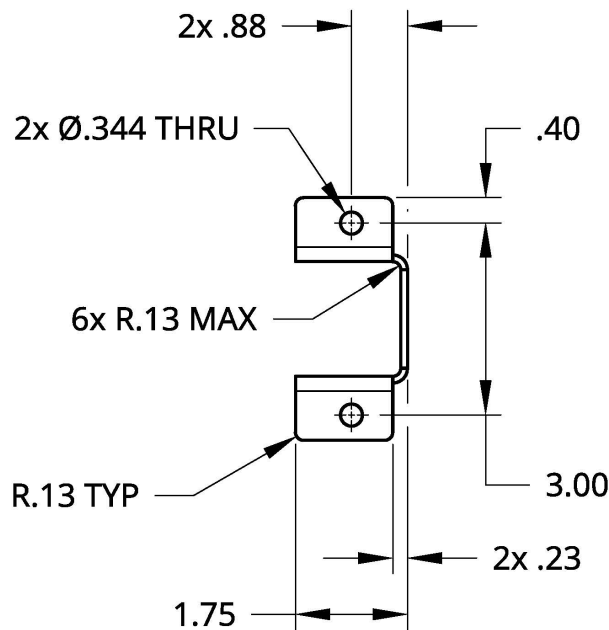


REVISIONS			
Revision	Revision description	Date drawn	Drawn by
A*	Updated Item 2. Updated title.	2025-09-25	Derek

Item	Quantity	Part number	Description
1	1	GE-26302-01	Hub Brace
2	10		PEM S-0420-3 ZI Carbon Steel Zinc plated

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005 DO NOT SCALE DRAWING BREAK ALL SHARP EDGES AND REMOVE BURRS PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.	BEND		NAME	DATE		
	DRAWN		DF	09/25/2025		
	MATERIAL				TITLE	
	12 GA. CARBON STEEL SHEET A1108 OR SIMILAR. BLACK PAINT FINISH.				 HUB BRACE ASSEMBLY	
SIZE		DWG NO.			REV.	
C		GE-26302			A	
SCALE			1:3		SHEET	1 of 2

REVISIONS
See sheet 1



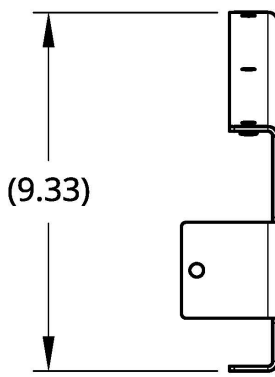
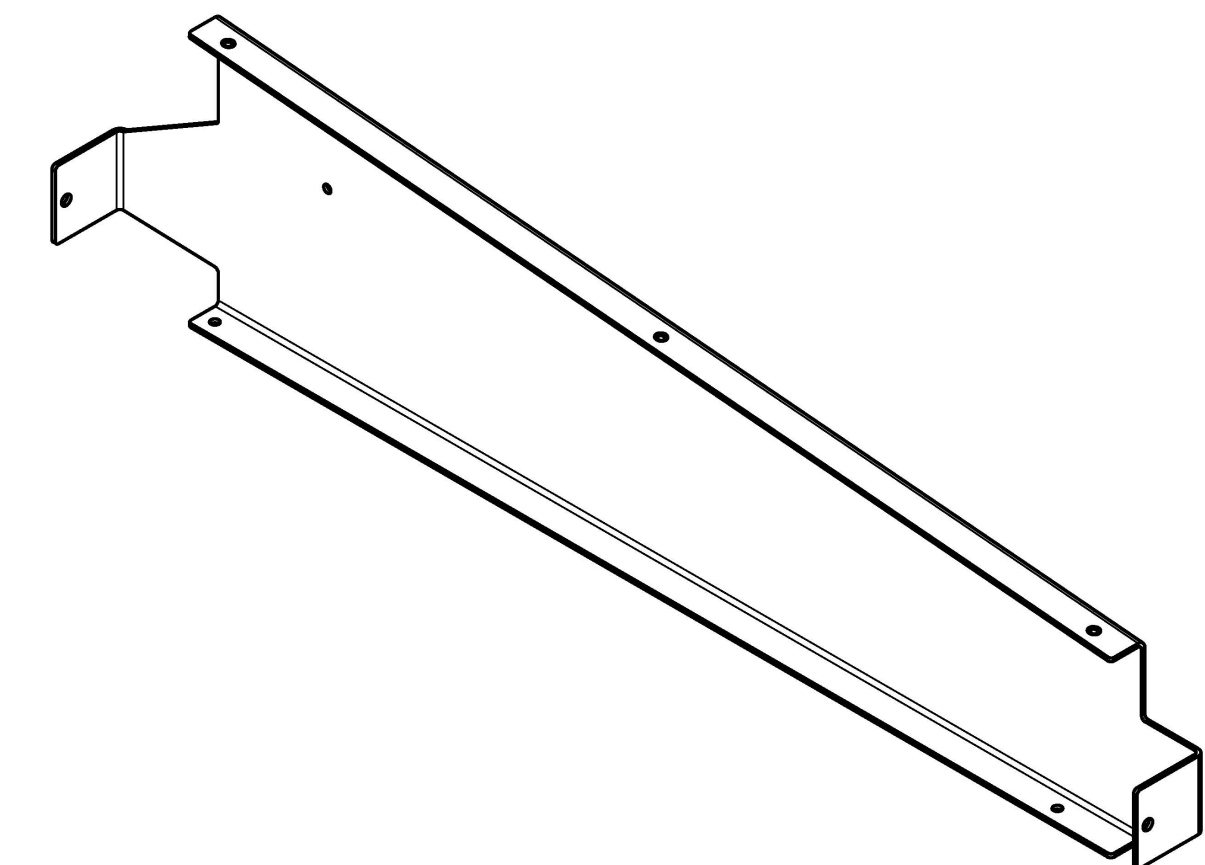
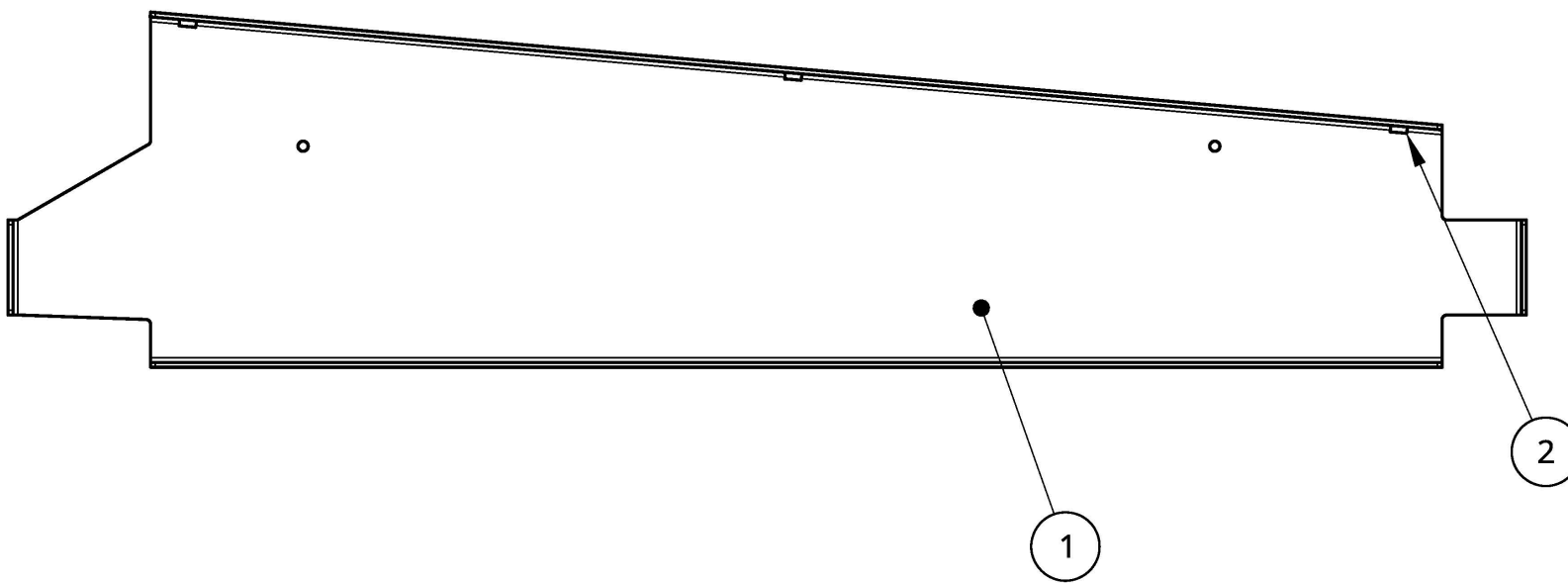
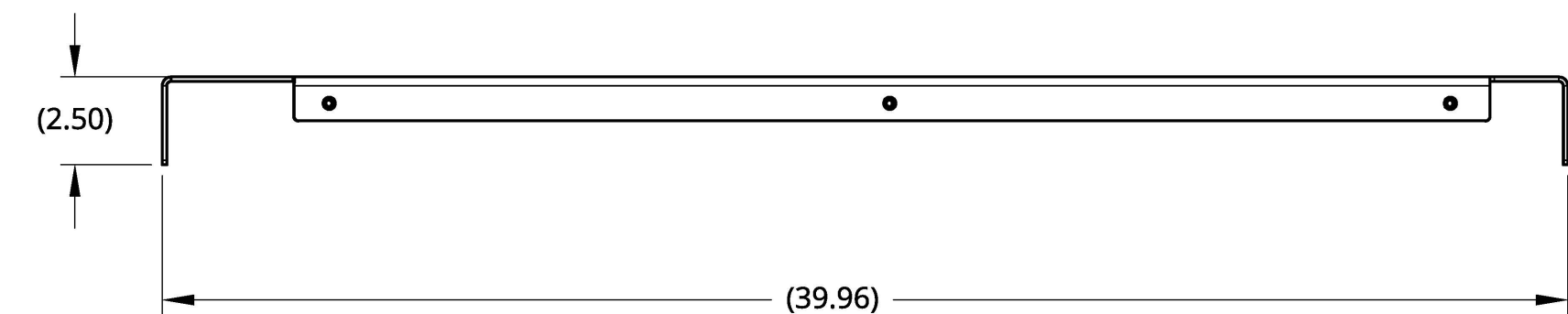
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	BEND	NAME	DATE			
	DRAWN	DF	09/25/2025			
DO NOT SCALE DRAWING	MATERIAL 12 GA. CARBON STEEL SHEET A1008 OR SIMILAR			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				HUB BRACE		
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF <i>FIRST®</i> . ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF <i>FIRST®</i> IS PROHIBITED.				SIZE	DWG NO.	REV.
				C	GE-26302-01	A
				SCALE	1:3	SHEET 2 of 2

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REVISIONS			
Revision	Revision description	Date drawn	Drawn by
A*	Item 2 updated. Title updated. 9.34 was 9.36, 6.37 was 6.38, .75 was .63, 4.25 was 4.75, 31.03 was 31.00, 1.25 was 1.00	2025-09-25	Derek

Item	Quantity	Part number	Description
1	1	GE-26303-01	Hub Roof Riser, Right
2	3		PEM S-0420-3 ZI Carbon Steel Zinc plated

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005 DO NOT SCALE DRAWING BREAK ALL SHARP EDGES AND REMOVE BURRS PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.	BEND	NAME	DATE		
	DRAWN	DF	09/25/2025		
	MATERIAL			TITLE	
	1/8" 5052 ALUMINUM SHEET			HUB ROOF RISER, RIGHT ASSEMBLY	
SIZE		DWG NO.		REV	
C		GE-26303		A	
SCALE		1:5		SHEET	1 of 2

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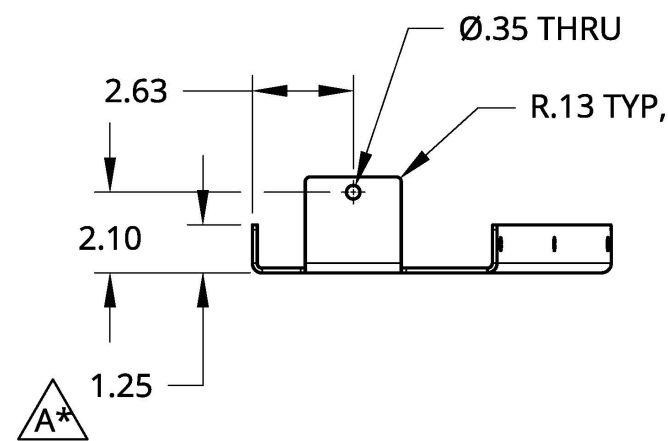
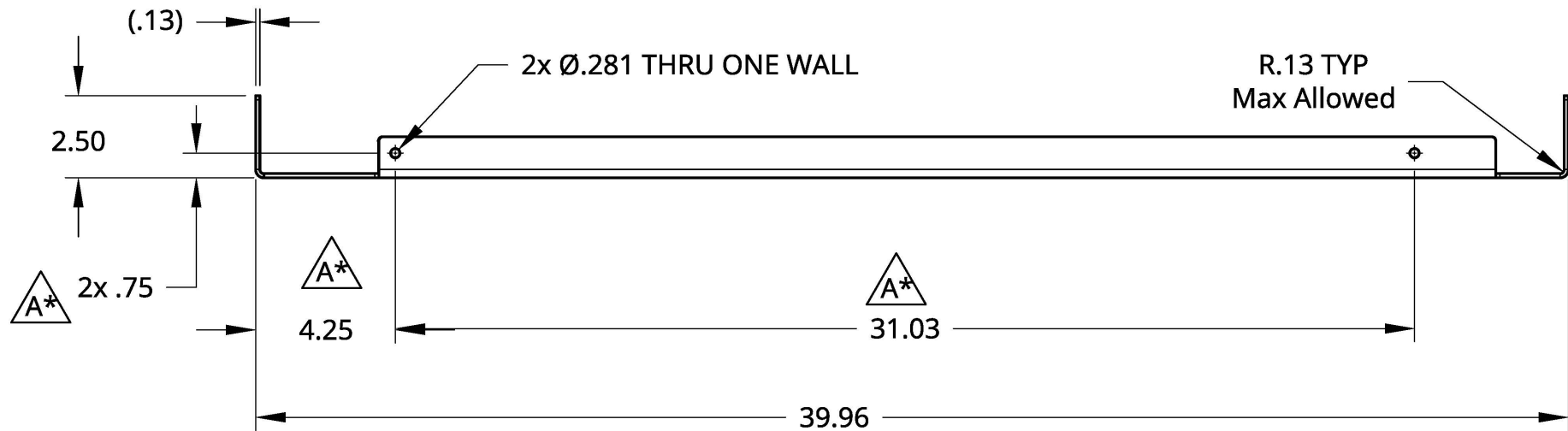
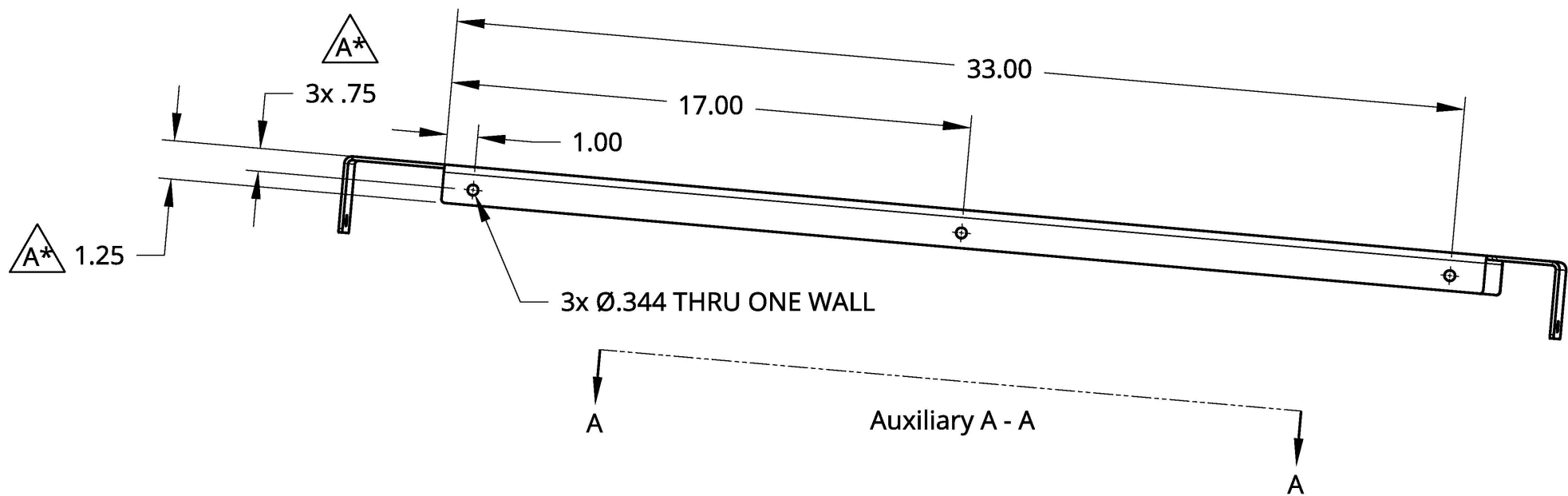
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REVISIONS
See sheet 1



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005 DO NOT SCALE DRAWING BREAK ALL SHARP EDGES AND REMOVE BURRS PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF <i>FIRST®</i> . ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF <i>FIRST®</i> IS PROHIBITED.	BEND	NAME	DATE		
	DRAWN	DF	09/25/2025		
	MATERIAL			TITLE	
	1/8" 5052 ALUMINUM SHEET			HUB ROOF RISER, RIGHT	
SIZE		DWG NO.		REV.	
C		GE-26303-01		A	
SCALE			1:5		SHEET
			2 of 2		

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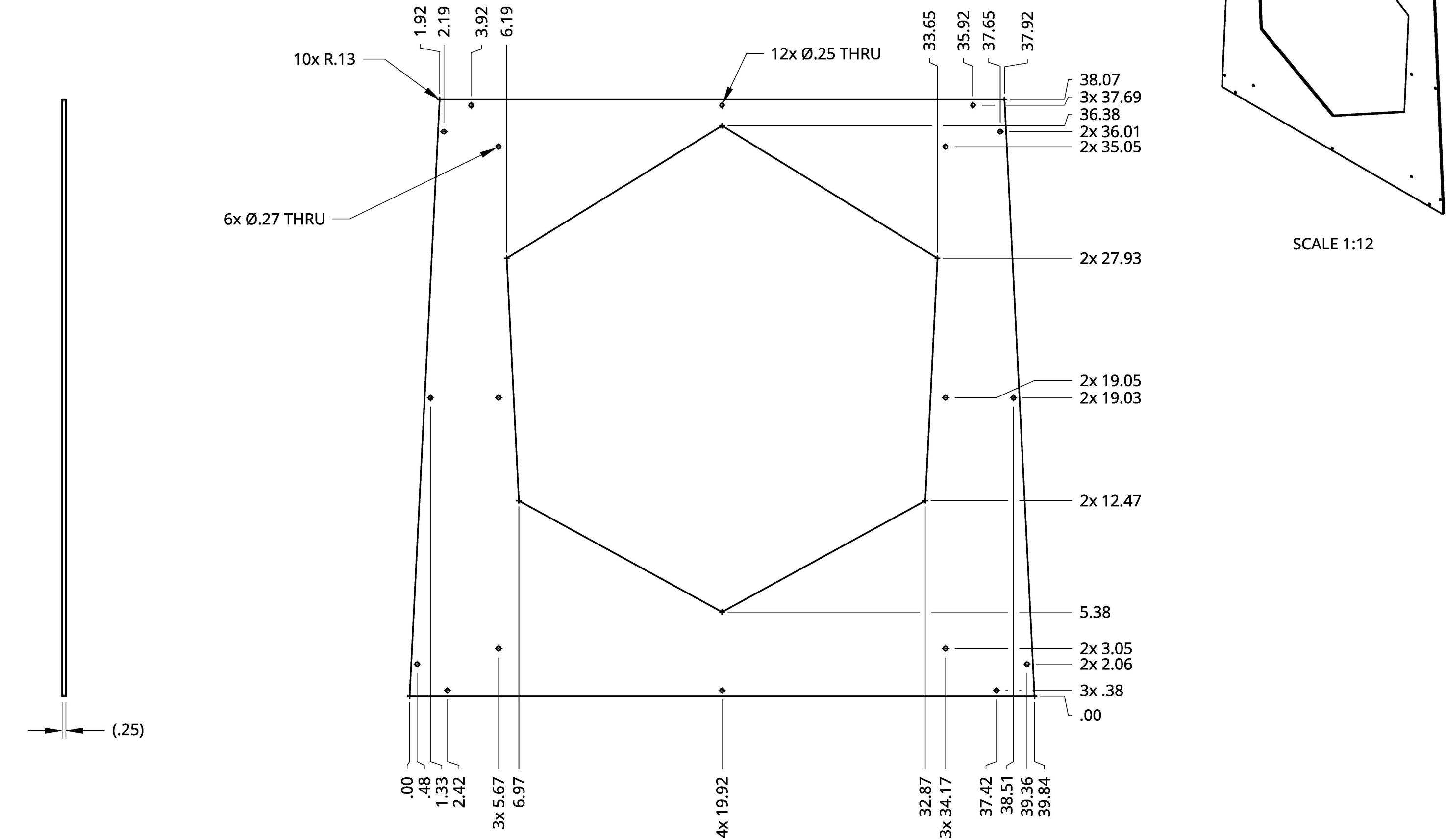
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PART NUMBER	MATERIAL
GE-26304 - BLUE	1/4" HDPE, ORANGE PEEL, BLUE
GE-26304 - RED	1/4" HDPE, ORANGE PEEL, RED

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE		
	DRAWN	DF	10/15/2025		
	MATERIAL			TITLE	
DO NOT SCALE DRAWING	1/4" HDPE, ORANGE PEEL TEXTURE, RED OR BLUE			HUB ROOF PANEL	
BREAK ALL SHARP EDGES AND REMOVE BURRS				SIZE C DWG NO. GE-26304 REV.	
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SCALE 1:6 SHEET 1 of 1	

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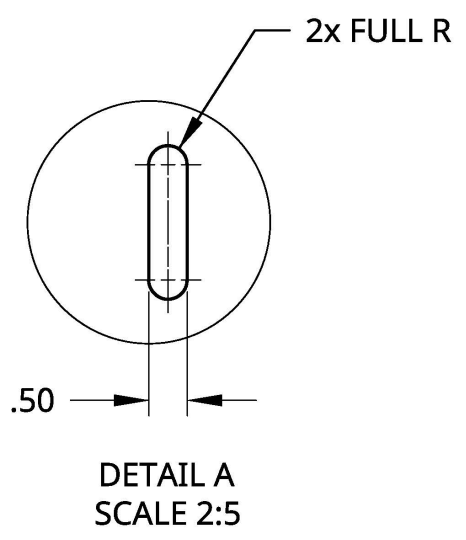
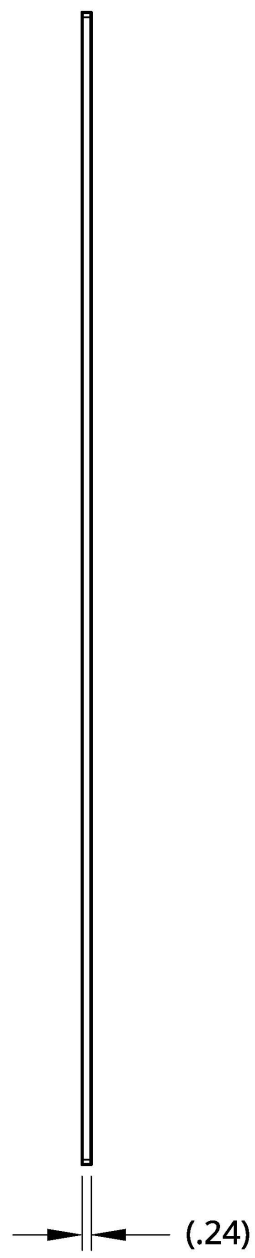
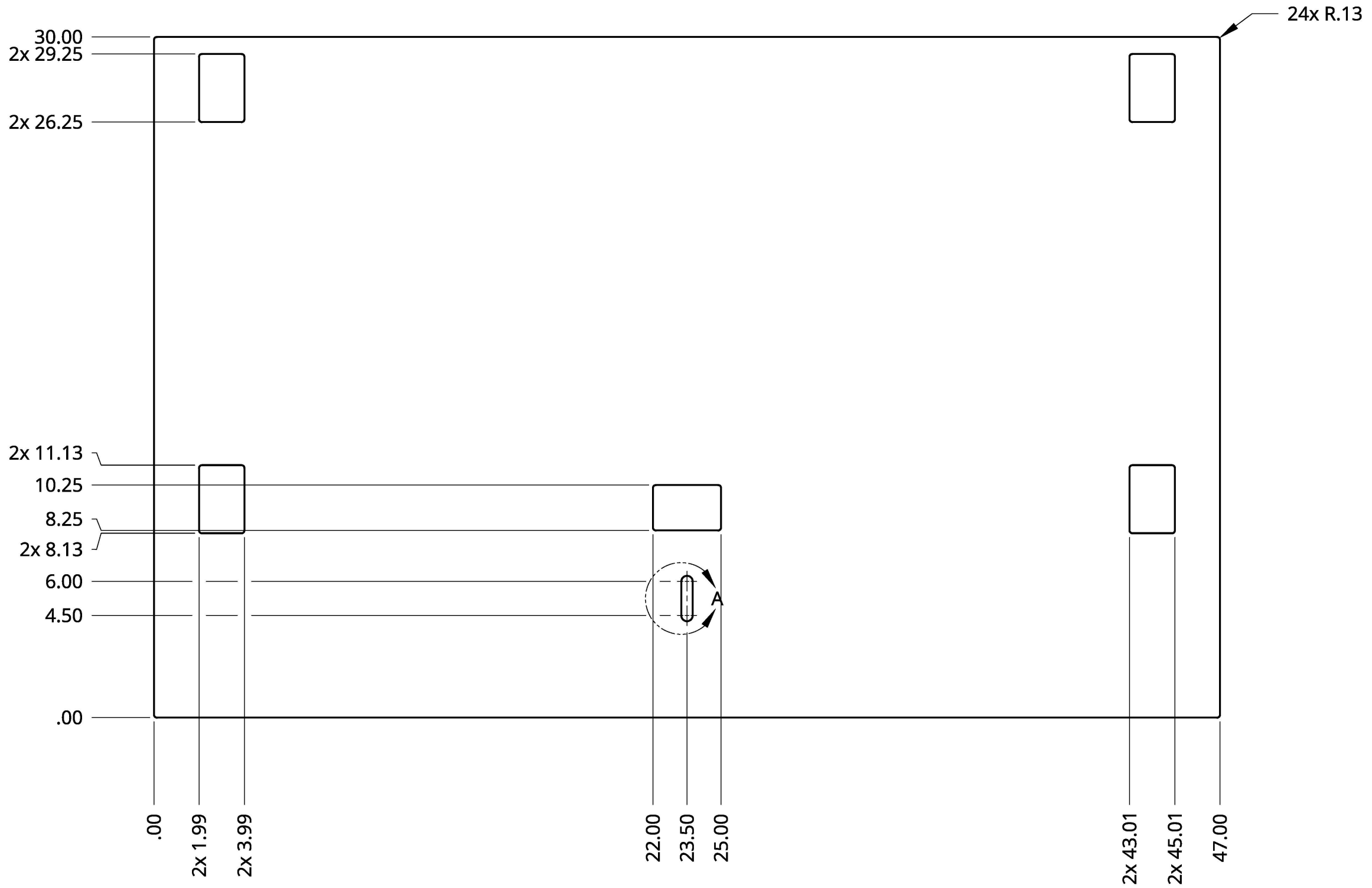
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE		
	DRAWN	DF	10/15/2025		
	DO NOT SCALE DRAWING			TITLE	
BREAK ALL SHARP EDGES AND REMOVE BURRS	MATERIAL 1/4" POLYCARBONATE, CLEAR			HUB REAR PANEL, BOTTOM	
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE C	REV.
SCALE 1:5		SHEET 1 of 1		DWG NO. GE-26306	

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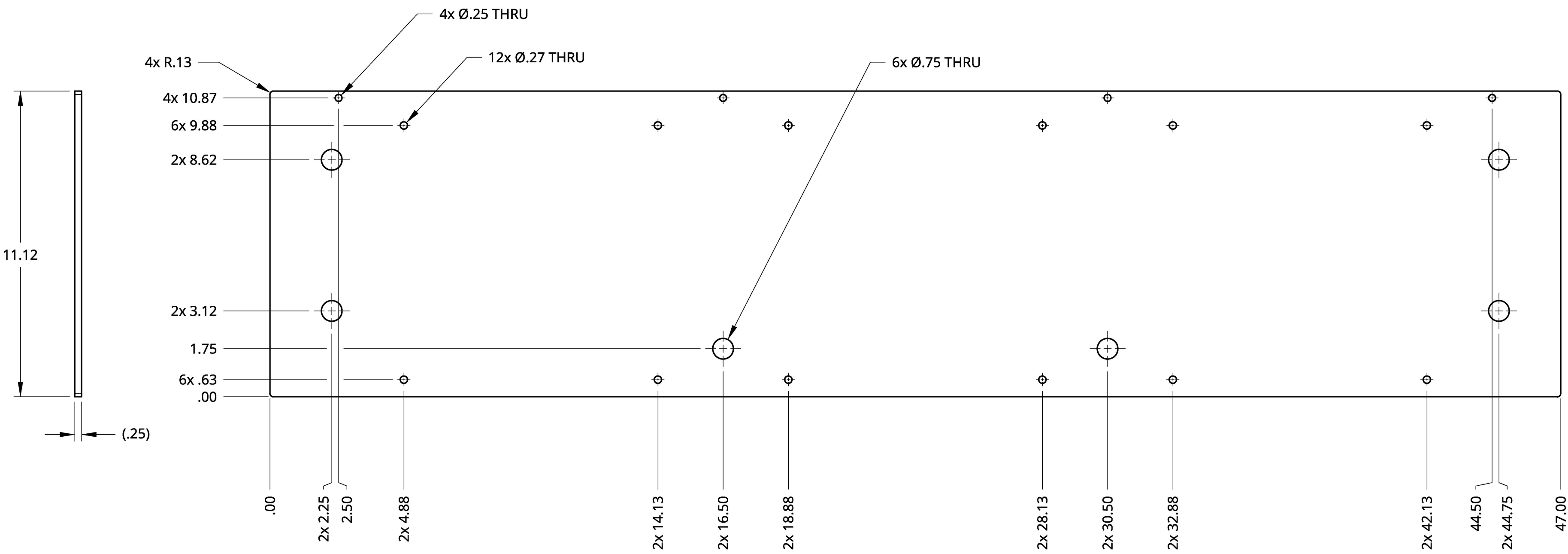
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE			
	DRAWN	DF	10/15/2025			
DO NOT SCALE DRAWING	MATERIAL 1/4" HDPE, ORANGE PEEL TEXTURE, BLACK			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				HUB FRONT PANEL, TOP		
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE C	DWG NO. GE-26308	REV.
				SCALE 1:3	SHEET 1 of 1	

D

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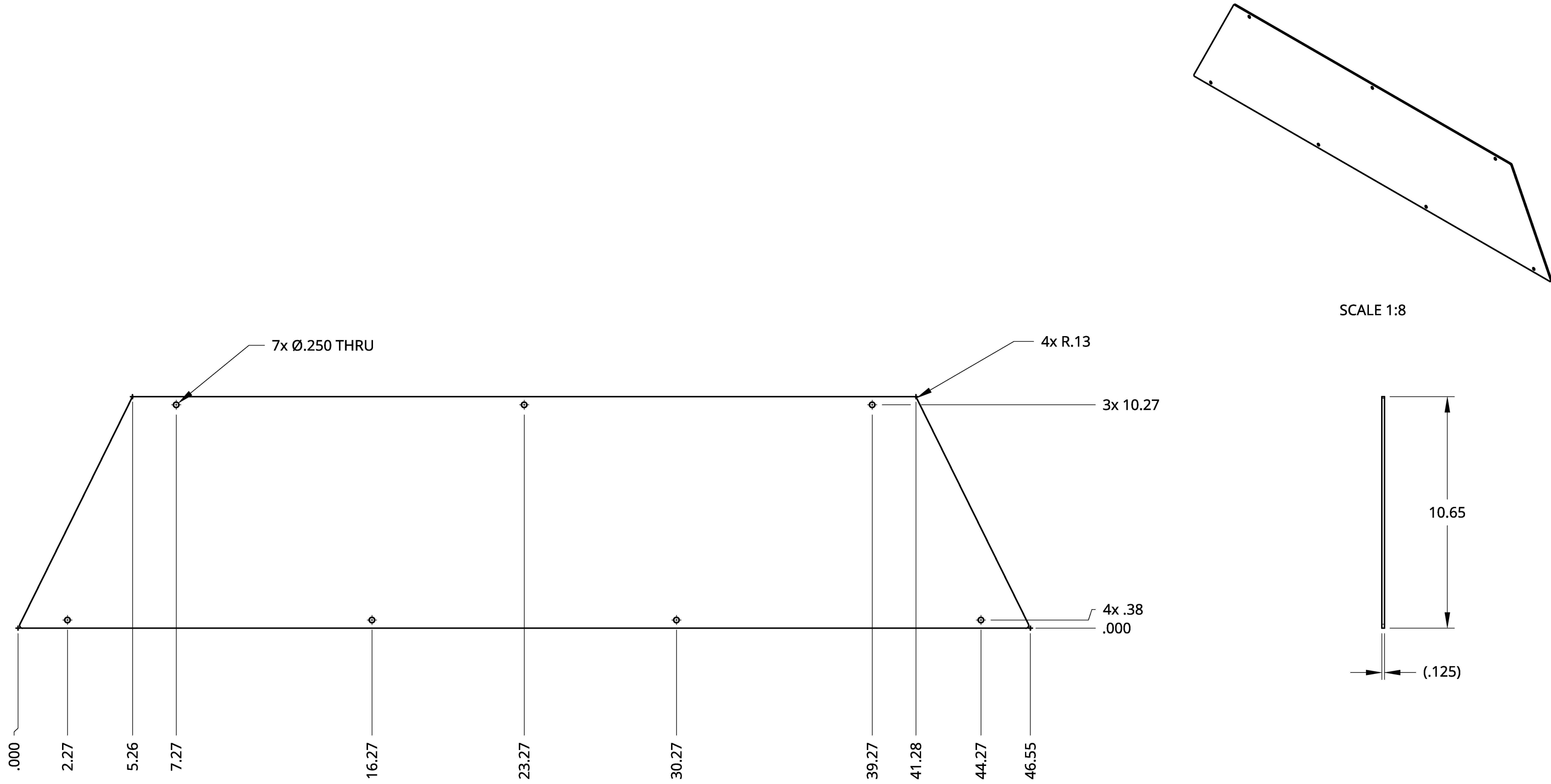
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE			
	DRAWN	DF	10/15/2025			
DO NOT SCALE DRAWING	MATERIAL 1/8" HDPE, SMOOTH, NATURAL			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				HUB FRONT DIFFUSER		
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE	DWG NO.	REV.
				C	GE-26309	
				SCALE	1:4	SHEET 1 of 1

D

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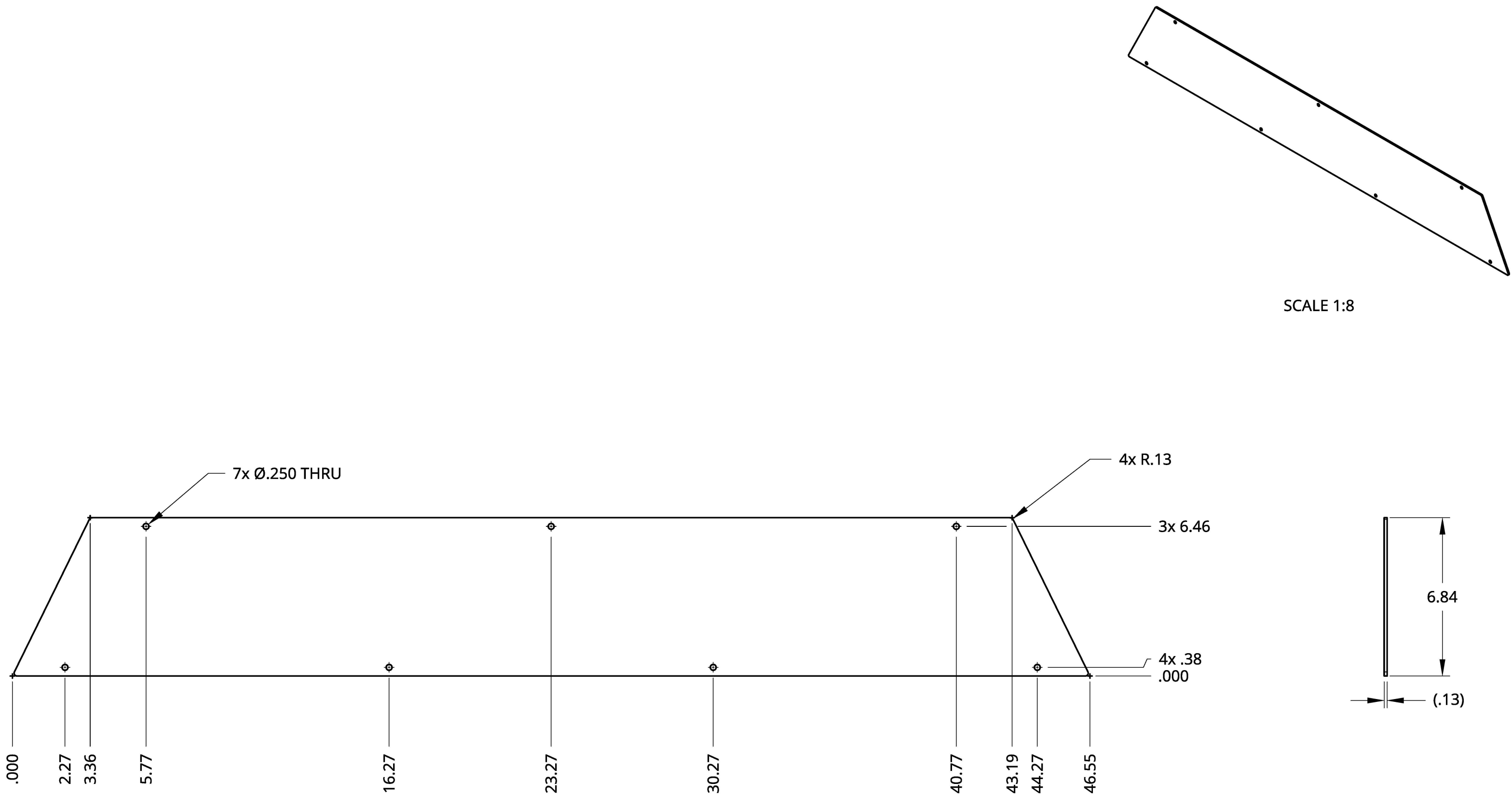
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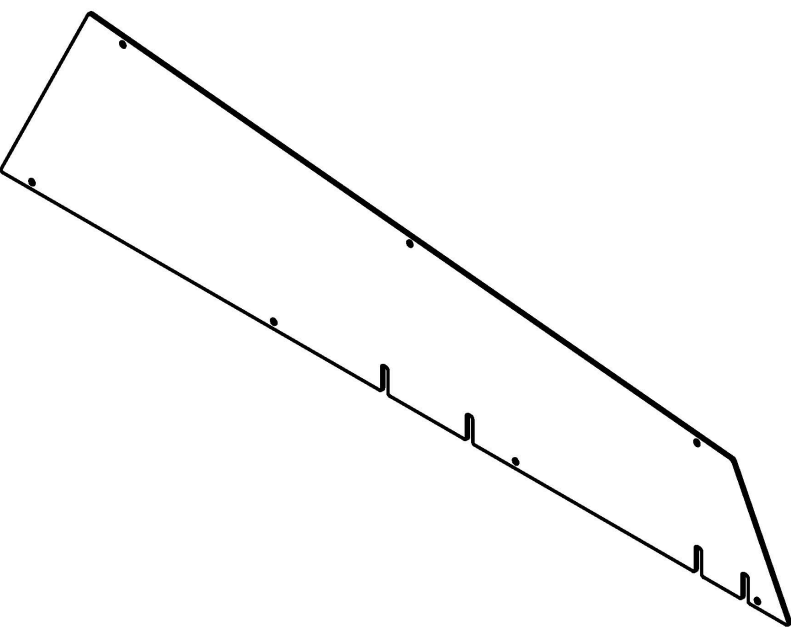
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES XX = ±.01 ANGULAR = ± 1° XXX = ±.005	VEND	NAME	DATE			
	DRAWN	DF	10/15/2025			
DO NOT SCALE DRAWING	MATERIAL 1/8" HDPE, SMOOTH, NATURAL			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				HUB REAR DIFFUSER		
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE	DWG NO.	REV.
				C	GE-26310	
				SCALE	1:4	SHEET

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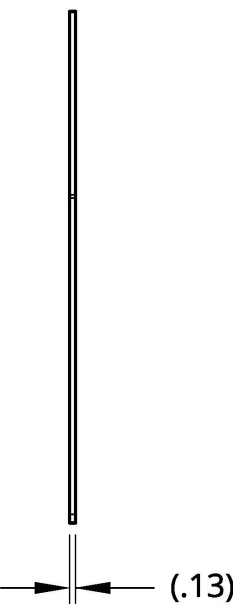
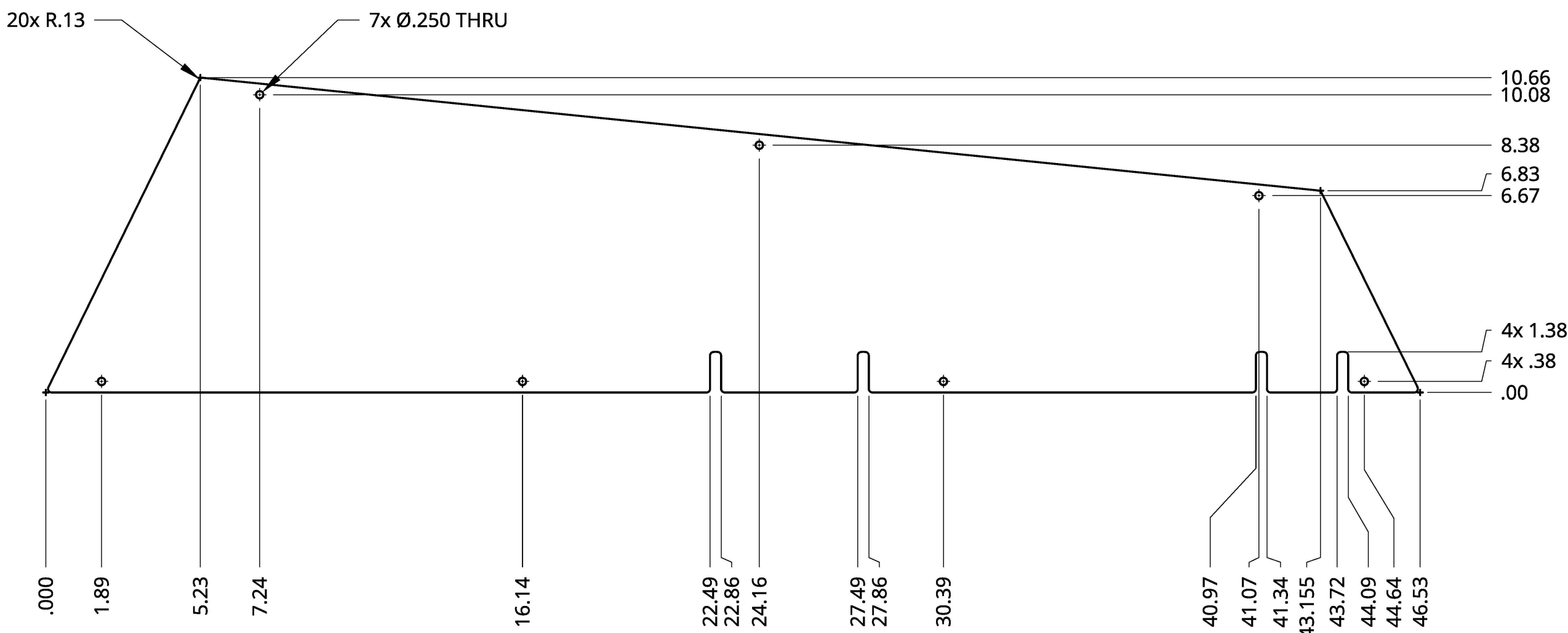
C

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SCALE 1:8



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE			
	DRAWN	DF	10/15/2025			
DO NOT SCALE DRAWING	MATERIAL 1/8" HDPE, SMOOTH, NATURAL			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				HUB SIDE DIFFUSER		
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE	DWG NO.	REV.
				C	GE-26311	
				SCALE	1:4	SHEET
						1 of 1

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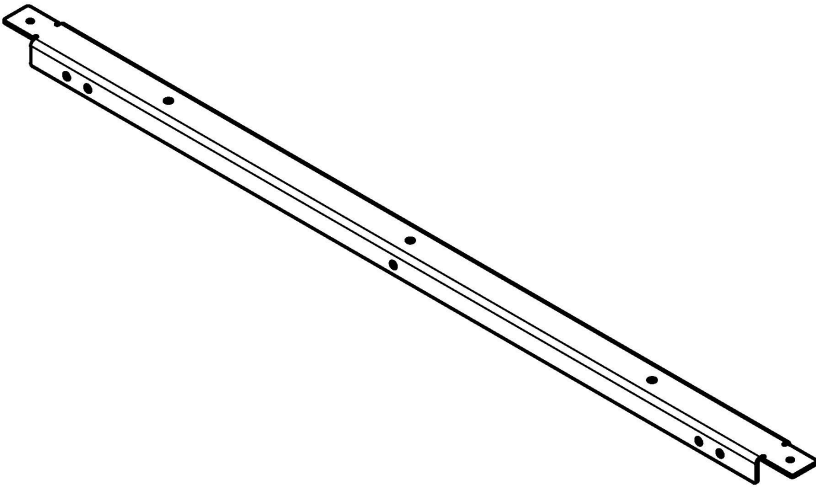
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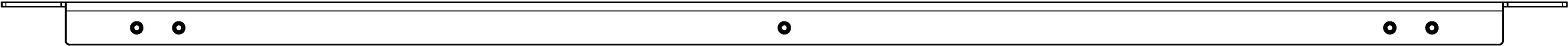
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REVISIONS			
Revision	Revision description	Date drawn	Drawn by
A*	Item 2 updated. Title updated. 9.01 was 9.14, 37.51 was 37.39, 1.00 was .94	2025-09-24	Derek



SCALE 1:8



2

1

Item	Quantity	Part number	Description
1	1	GE-26312-01	Hub Crossbar
2	13		PEM S-0420-3 ZI Carbon Steel Zinc plated

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005
DO NOT SCALE DRAWING
BREAK ALL SHARP EDGES AND REMOVE BURRS
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.

BEND	NAME	DATE
DRAWN	DF	09/24/2025
MATERIAL		
1/8" 5052 ALUMINUM SHEET		

TITLE		
HUB CROSSBAR ASSEMBLY		
SIZE	DWG NO.	REV.
C	GE-26312	A
SCALE	SHEET	
1:3	1 of 2	

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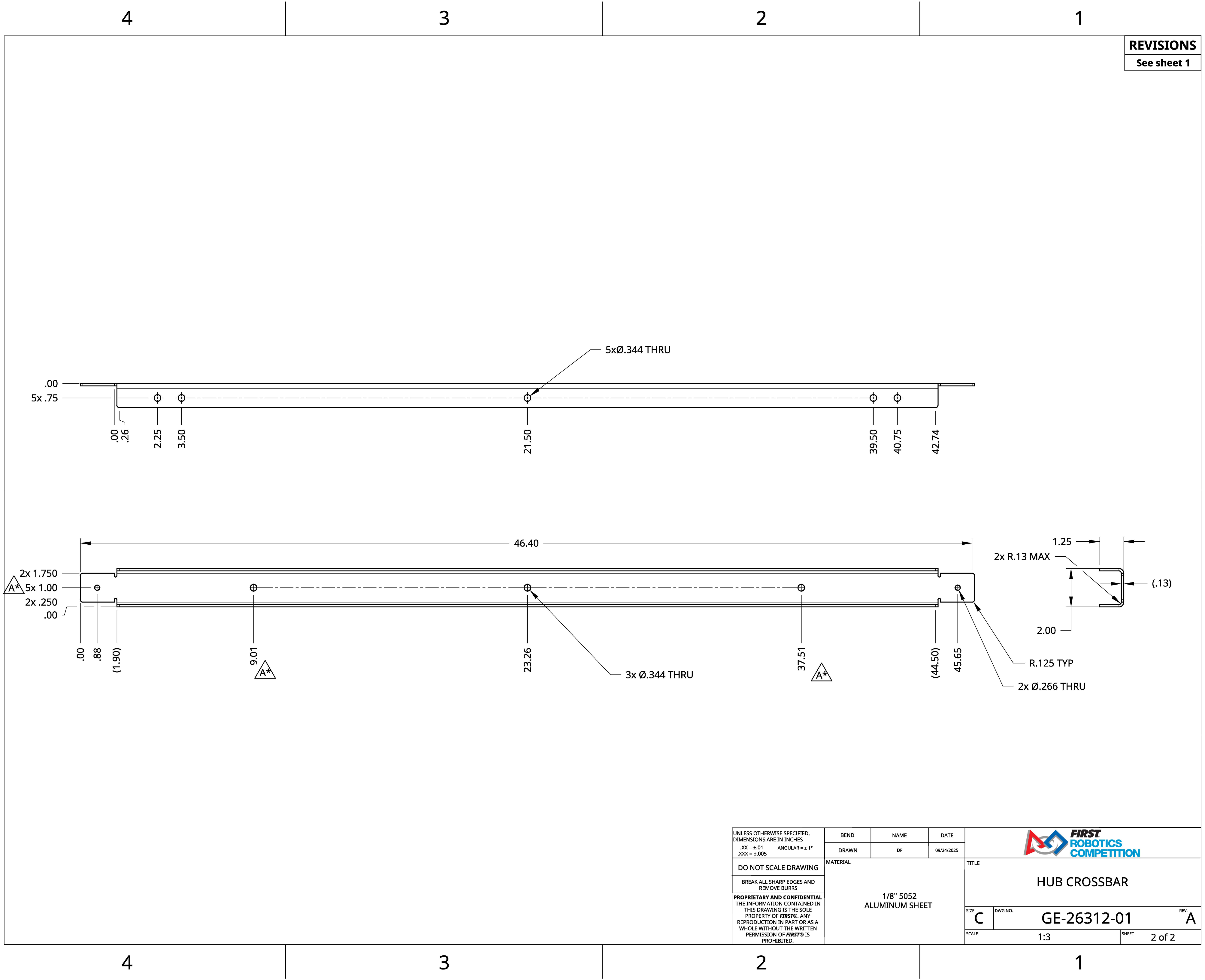
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REVISIONS

See sheet 1



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	BEND	NAME	DATE		
	DRAWN	DF	09/24/2025		
	MATERIAL			TITLE	
DO NOT SCALE DRAWING	1/8" 5052 ALUMINUM SHEET			HUB CROSSBAR	
BREAK ALL SHARP EDGES AND REMOVE BURRS				SIZE	REV
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				C	A
SCALE		1:3		SHEET 2 of 2	

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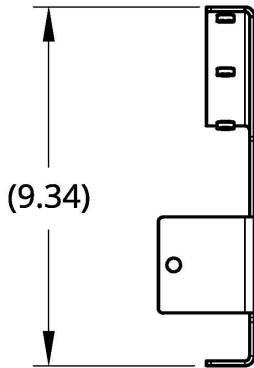
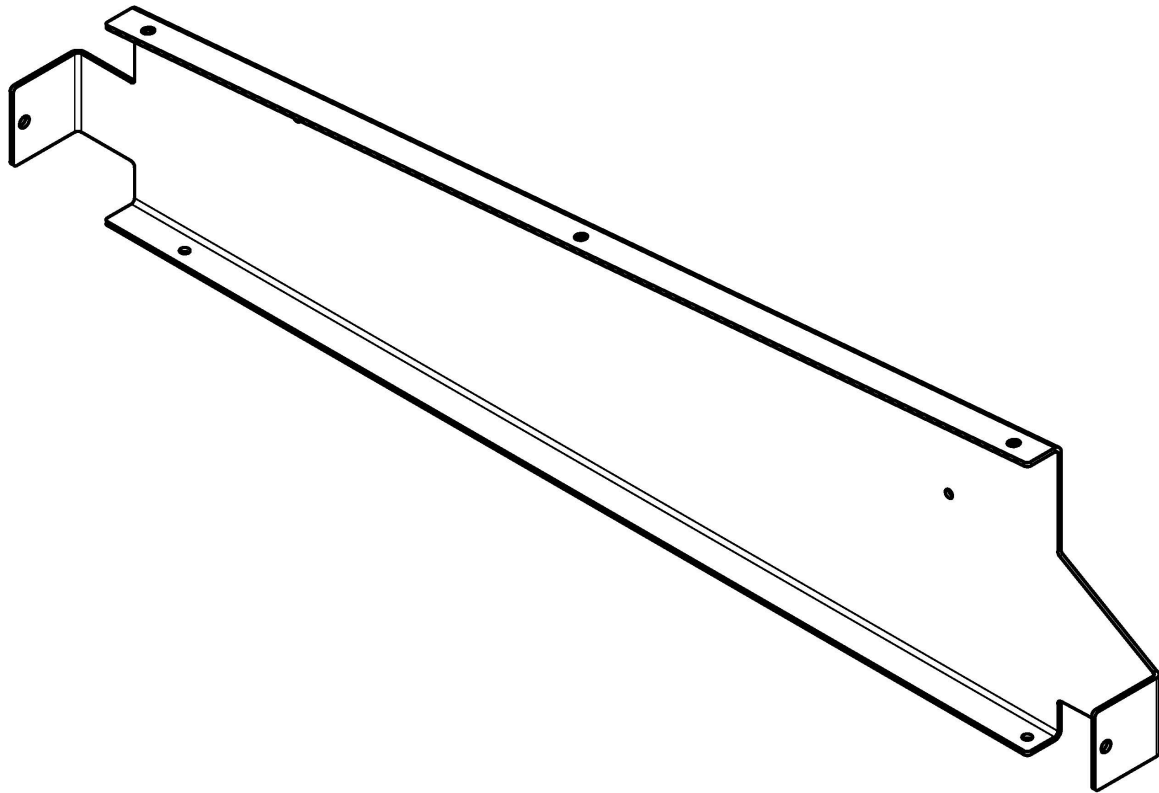
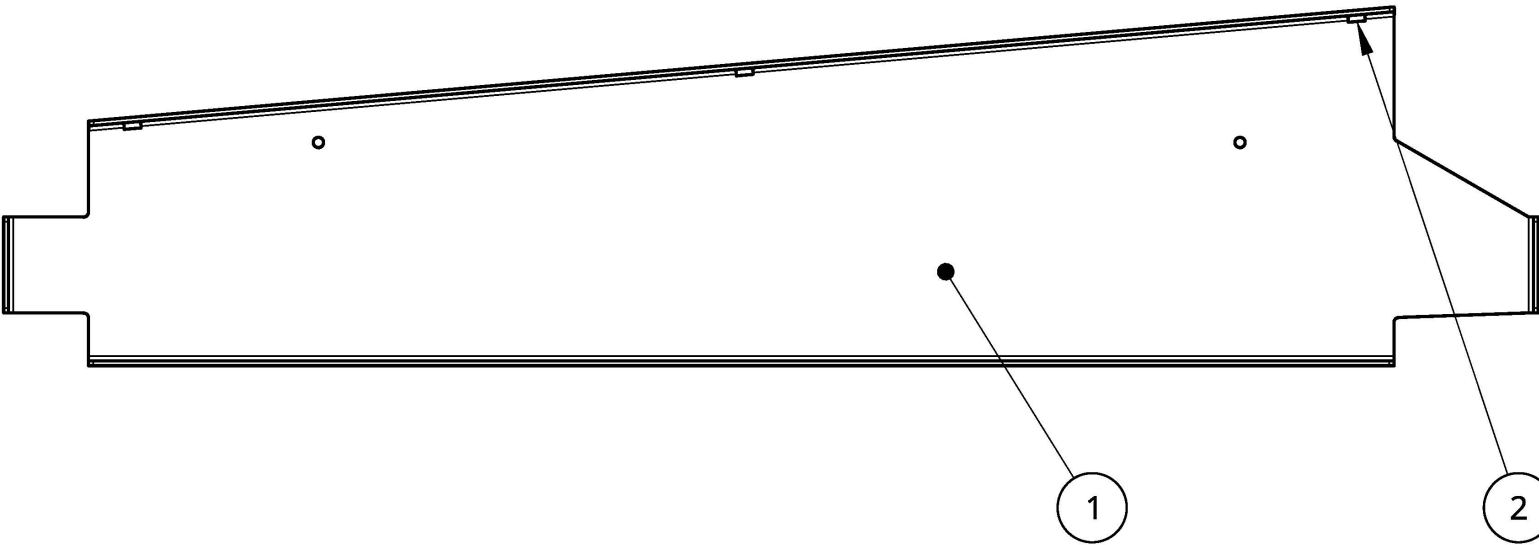
REVISIONS			
Revision	Revision description	Date drawn	Drawn by
A*	Item 2 updated. Title updated. 9.34 was 9.36, 6.37 was 6.38, 1.25 was 1.00, .63 was .75, 4.25 was 4.75, 31.03 was 31.00	2025-09-25	DF

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Item	Quantity	Part number	Description
1	1	GE-26313-01	Hub Roof Riser, Left
2	3		PEM S-0420-3 ZI Carbon Steel Zinc plated

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005 DO NOT SCALE DRAWING BREAK ALL SHARP EDGES AND REMOVE BURRS PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF <i>FIRST</i> ®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF <i>FIRST</i> ® IS PROHIBITED.	BEND	NAME	DATE		
	DRAWN	DF	09/25/2025		
	MATERIAL			TITLE	
	1/8" 5052 ALUMINUM SHEET			HUB ROOF RISER, LEFT ASSEMBLY	
SIZE		DWG NO.			REV
C		GE-26313			A
SCALE		1:5			SHEET 1 of 2

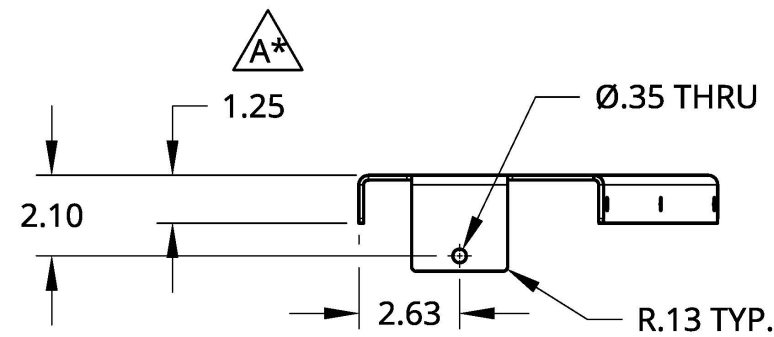
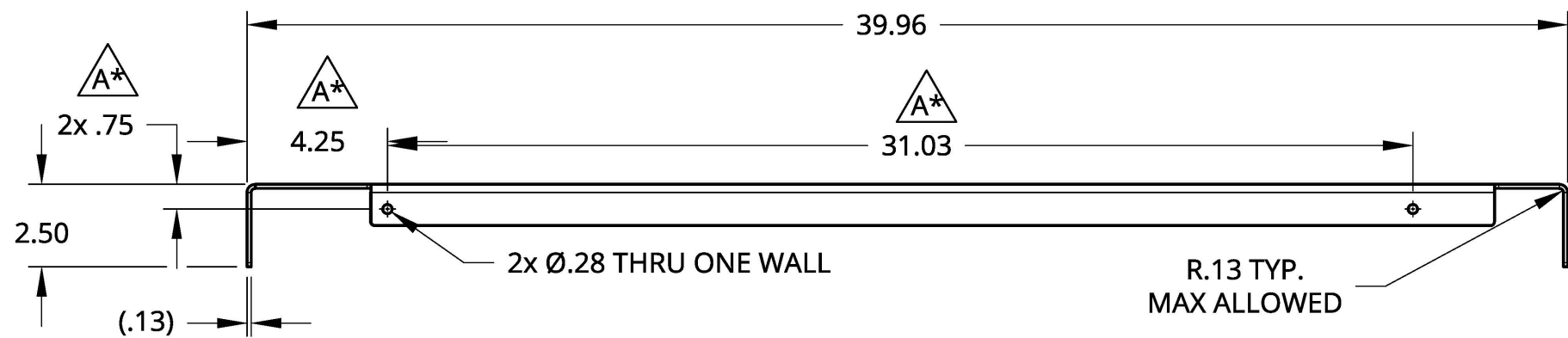
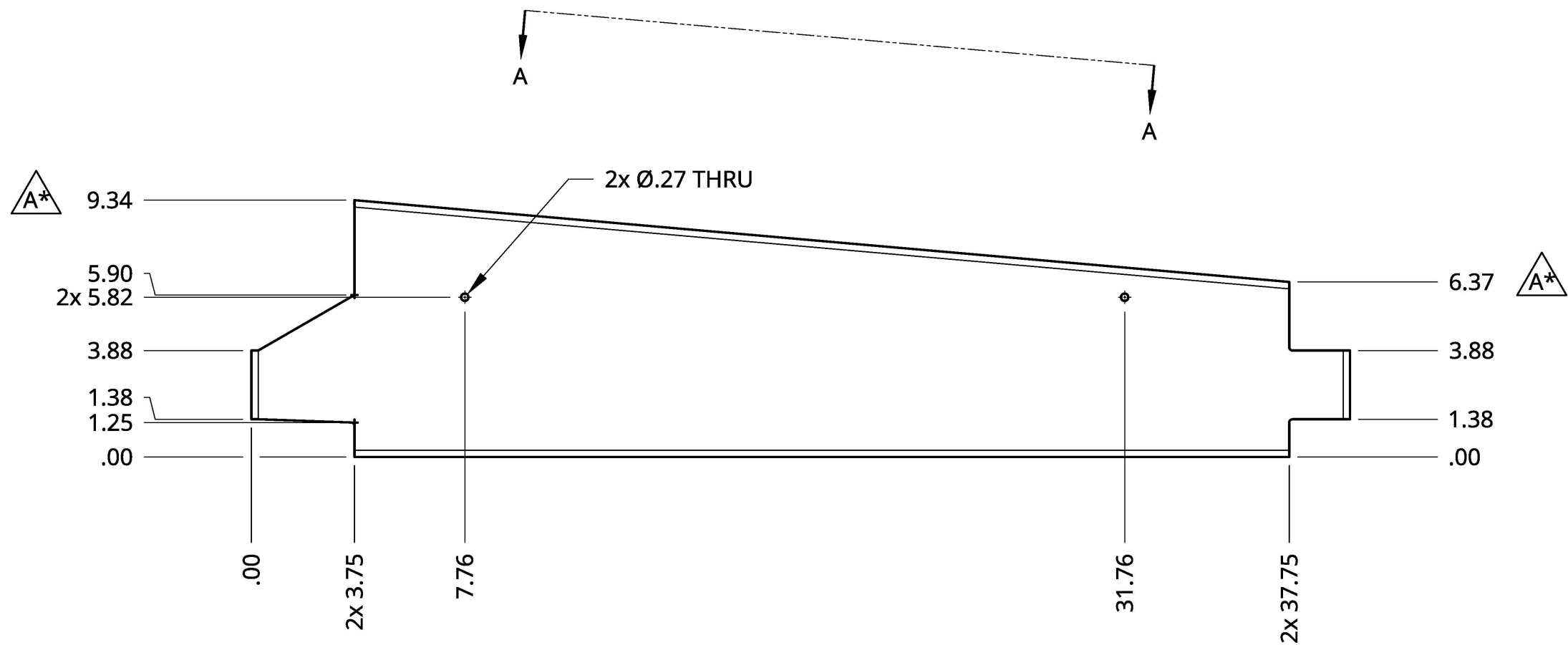
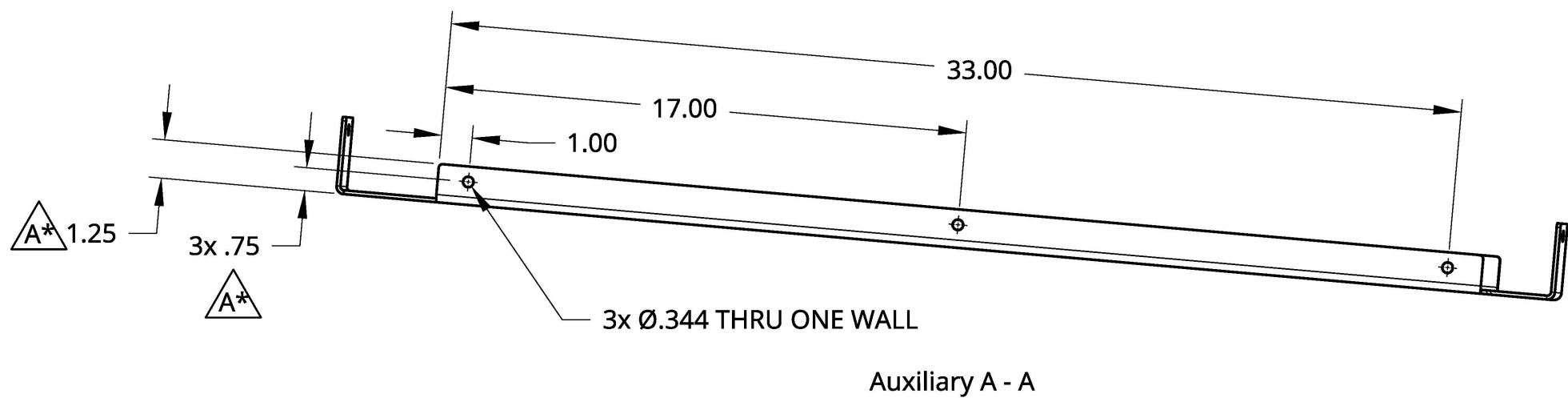
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REVISIONS
See sheet 1



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	BEND	NAME	DATE			
	DRAWN	DF	09/25/2025			
DO NOT SCALE DRAWING	MATERIAL 1/8" 5052 ALUMINUM SHEET			TITLE HUB ROOF RISER, LEFT		
BREAK ALL SHARP EDGES AND REMOVE BURRS						
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE C	DWG NO. GE-26313-01	REV. A
SCALE 1:5				SHEET 2 of 2		

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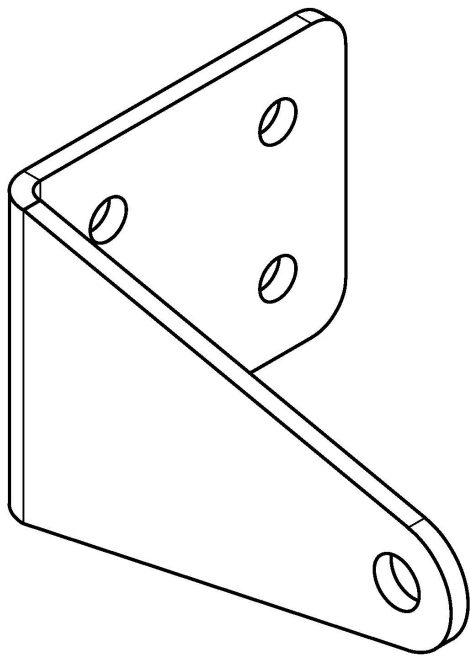
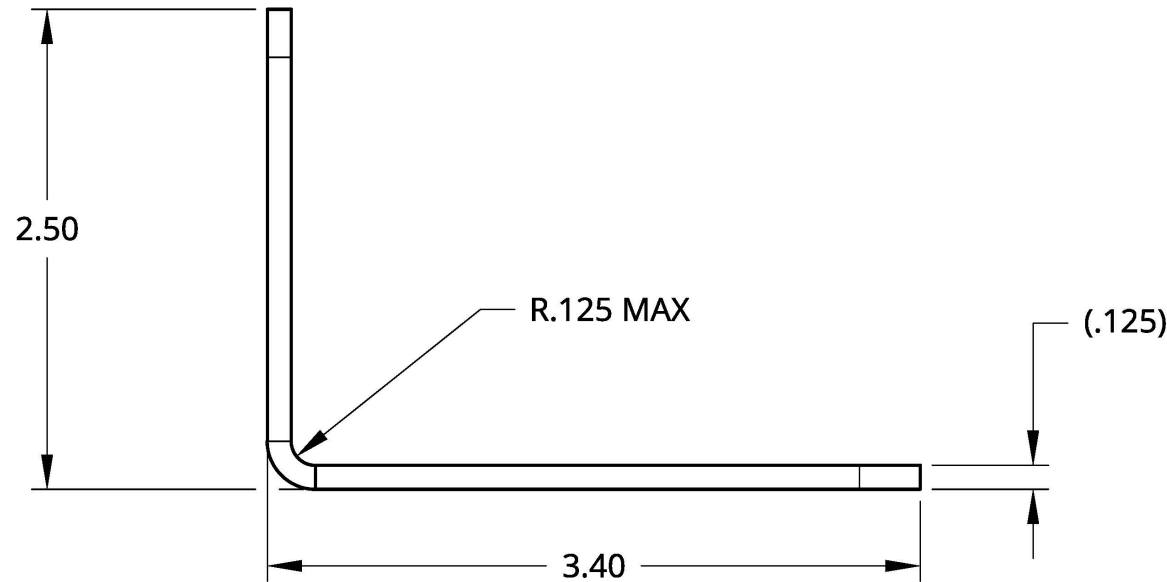
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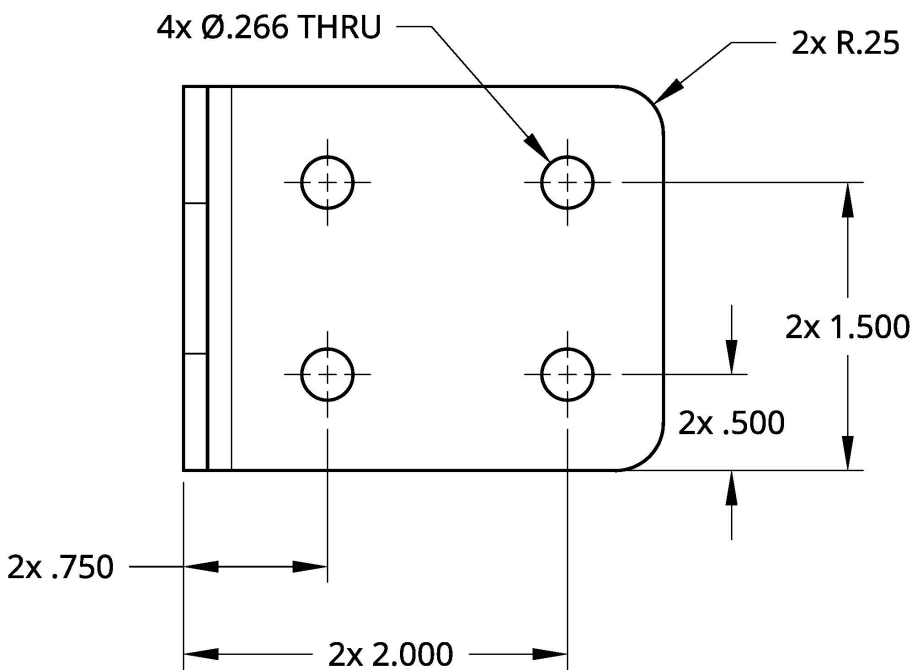
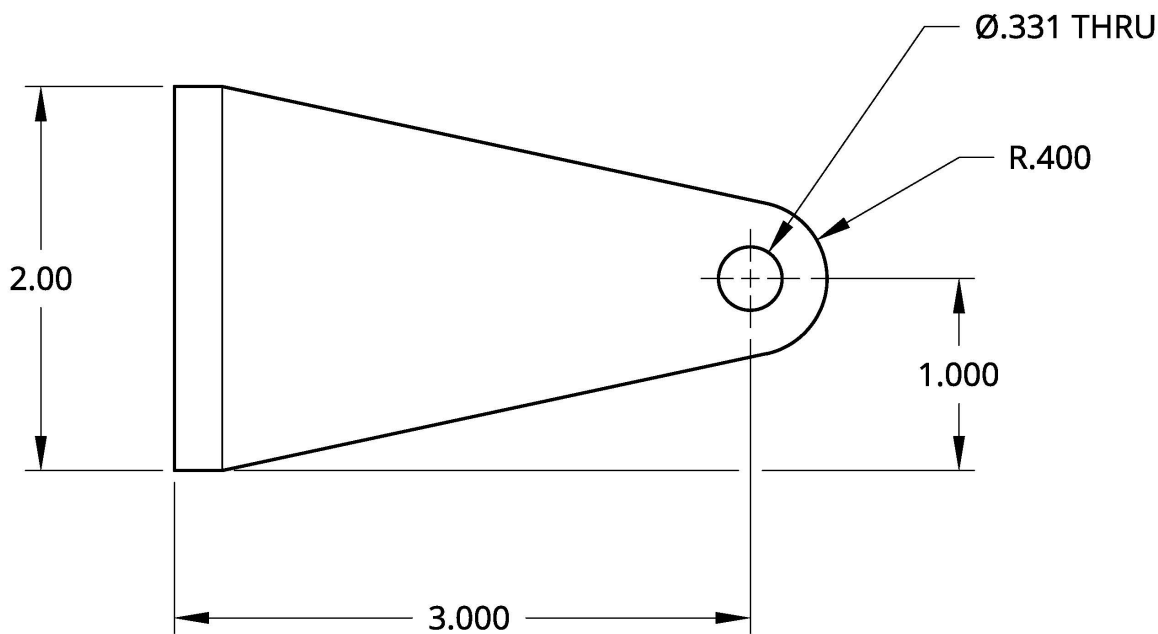
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SCALE 1:1



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES XX = ±.01 ANGULAR = ± 1° XXX = ±.005	BEND	NAME	DATE			
	DRAWN	DF	09/29/2025			
DO NOT SCALE DRAWING	MATERIAL 1/8" 5052 ALUMINUM SHEET			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				HUB LIGHT MOUNT		
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE	DWG NO.	REV.
				C	GE-26314	
	SCALE 1:1		SHEET 1 of 1			

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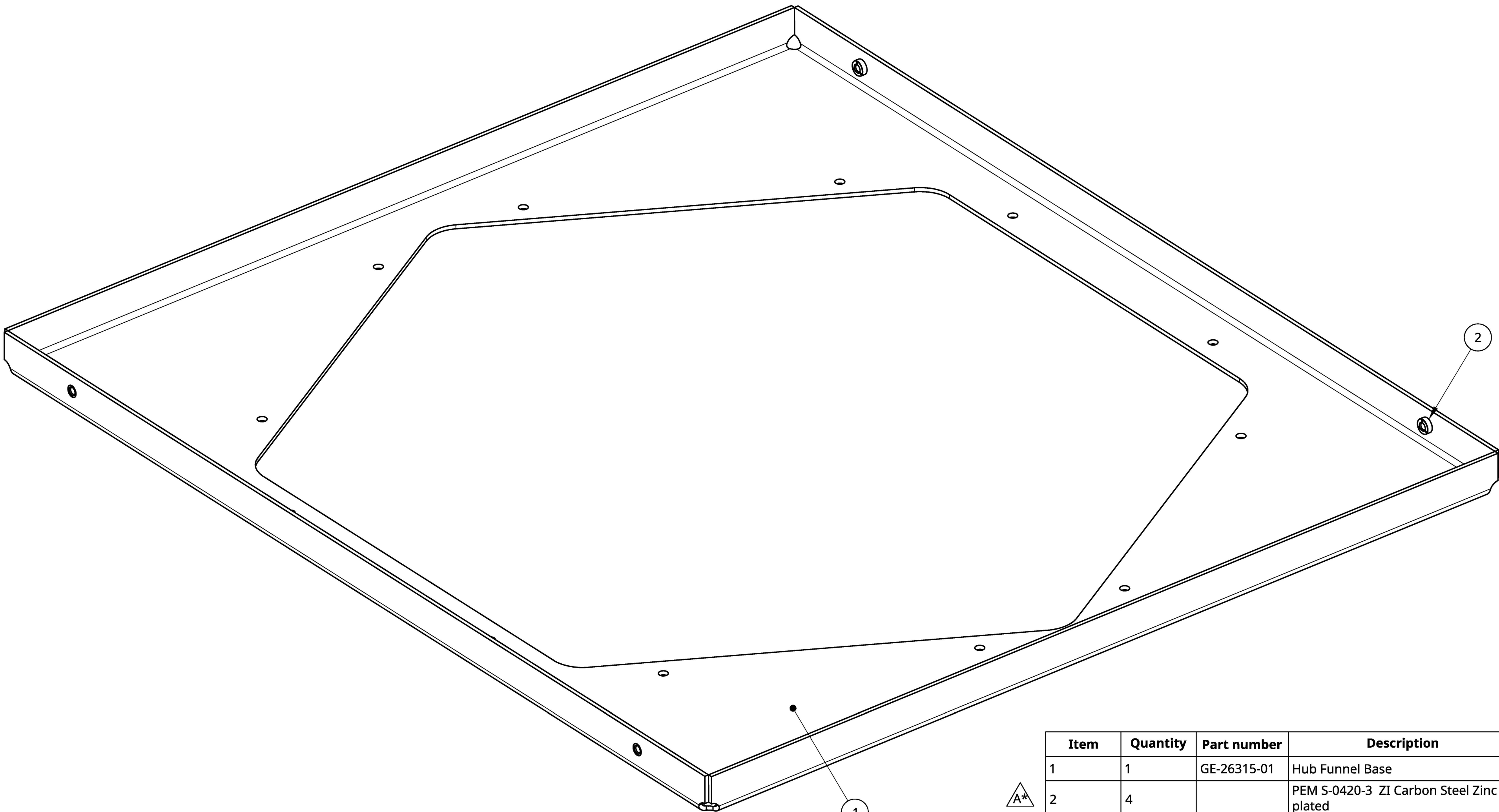
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REVISIONS

Revision	Revision description	Date drawn	Drawn by
A*	Item 2 updated. Title updated. .25" slots replaced with .27" holes.	2025-09-25	DF



Item	Quantity	Part number	Description
1	1	GE-26315-01	Hub Funnel Base
2	4		PEM S-0420-3 ZI Carbon Steel Zinc plated

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES
.XX = ±.01 ANGULAR = ± 1°
.XXX = ±.005

DO NOT SCALE DRAWING

BREAK ALL SHARP EDGES AND
REMOVE BURRS

PROPRIETARY AND CONFIDENTIAL
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BEND	NAME	DATE
DRAWN	DF	09/25/2025
MATERIAL		
1/8" 5052 ALUMINUM SHEET		

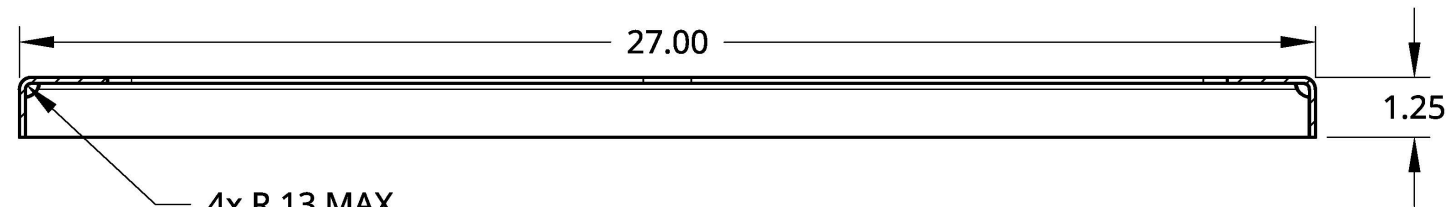
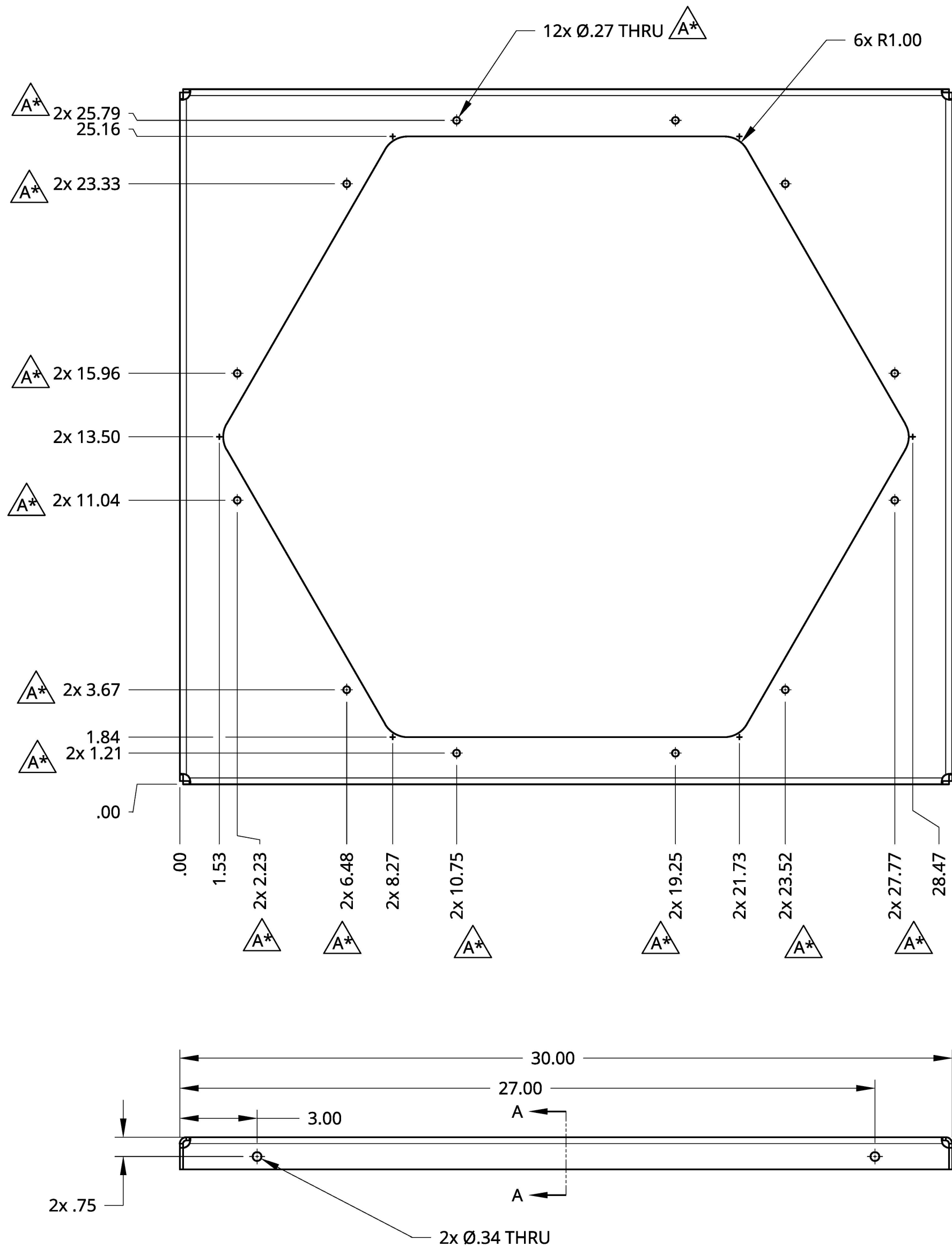


TITLE

 HUB FUNNEL BASE ASSEMBLY

SIZE	DWG NO.	REV.
C	GE-26315	A
SCALE	1:2	SHEET 1 of 2

REVISIONS
See sheet 1



SECTION A - A

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	BEND	NAME	DATE					
	DRAWN	DF	09/25/2025					
DO NOT SCALE DRAWING	MATERIAL 1/8" 5052 ALUMINUM SHEET			TITLE HUB FUNNEL BASE				
BREAK ALL SHARP EDGES AND REMOVE BURRS								
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE			DWG NO.	REV.
				C			GE-26315-01	A
				SCALE		1:4	SHEET	2 of 2

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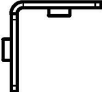
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REVISIONS			
Revision	Revision description	Date drawn	Drawn by
A*	Item 2 updated. Title updated. 4.25 was 3.00, 19.75 was 18.50	2025-09-25	DF



Item	Quantity	Part number	Description
1	1	GE-26316-01	Hub Ramp Angle
2	6		PEM S-0420-3 ZI Carbon Steel Zinc plated



UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES
.XX = ±.01 ANGULAR = ± 1°
.XXX = ±.005

DO NOT SCALE DRAWING

BREAK ALL SHARP EDGES AND
REMOVE BURRS

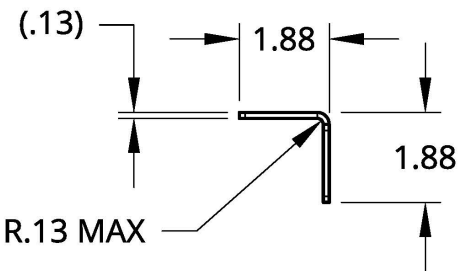
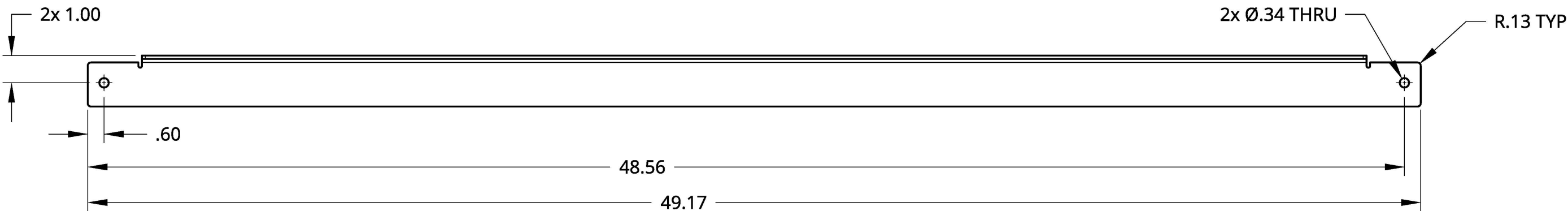
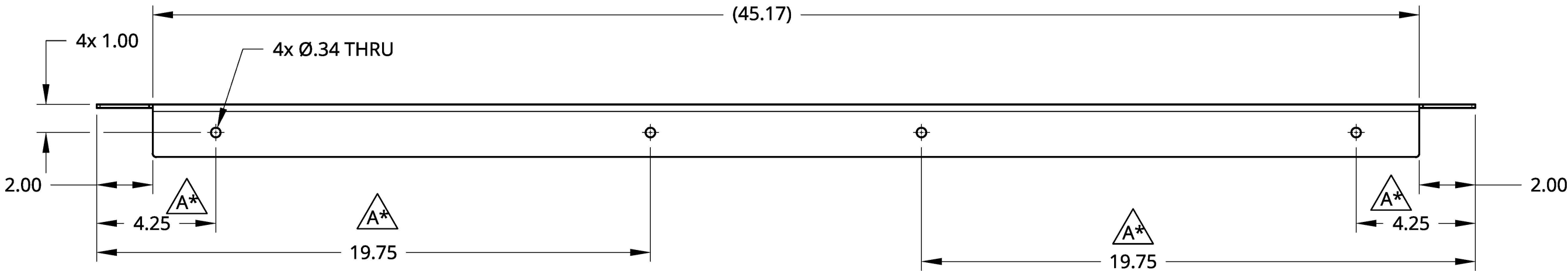
PROPRIETARY AND CONFIDENTIAL
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PERMISSION OF *FIRST*® IS
PROHIBITED.

BEND	NAME	DATE
DRAWN	DF	09/25/2025
MATERIAL		
1/8" 5052 ALUMINUM SHEET		

TITLE		
HUB RAMP ANGLE ASSEMBLY		
SIZE C	DWG NO. GE-26316	REV. A
SCALE 1:4	SHEET 1 of 2	

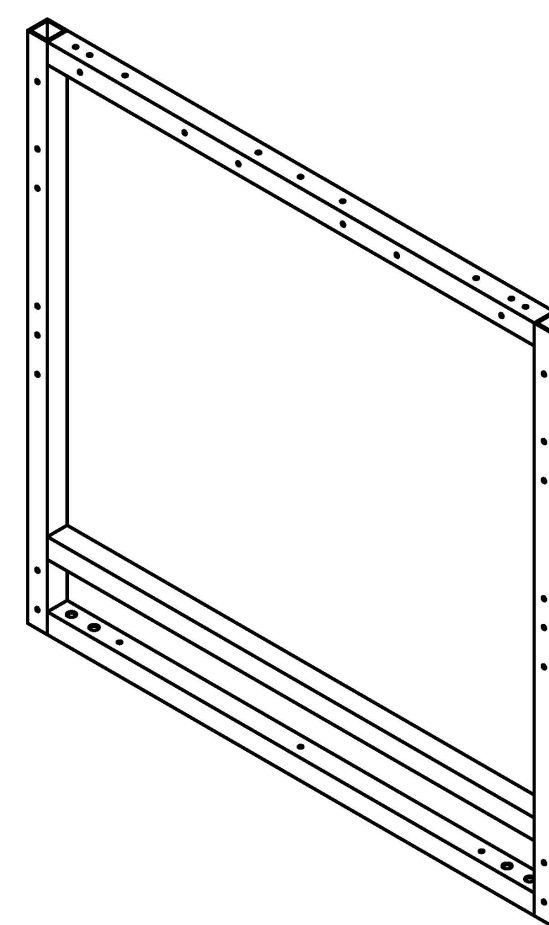


REVISIONS
See sheet 1



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	BEND	NAME	DATE			
	DRAWN	DF	09/25/2025			
DO NOT SCALE DRAWING	MATERIAL 1/8" 5052 ALUMINUM SHEET			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				HUB RAMP ANGLE		
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF <i>FIRST®</i> . ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF <i>FIRST®</i> IS PROHIBITED.				SIZE C	DWG NO. GE-26316-01	REV. A
				SCALE 1:4		SHEET 2 of 2

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— All welds on this face to be ground flush

All weld on this face to be ground flush

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE	 FIRST ROBOTICS COMPETITION		
	DRAWN	DF	10/01/2025			
DO NOT SCALE DRAWING	MATERIAL 1-3/4" X 1/8" SQUARE TUBING, 6061 ALUMINUM			TITLE HUB SIDE FRAME - WELDMENT		
BREAK ALL SHARP EDGES AND REMOVE BURRS						
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED				SIZE C	DWG NO. GE-26317	REV.
				SCALE 1:8	SHEET 1 of 5	

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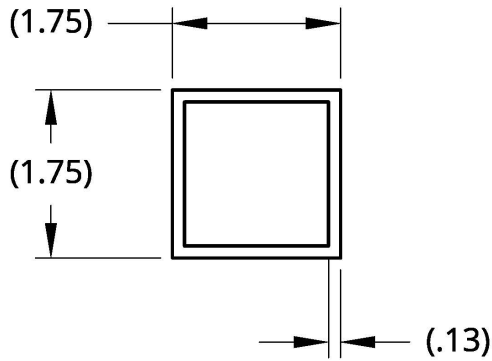
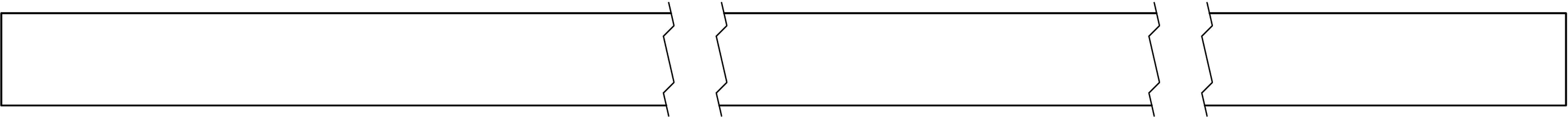
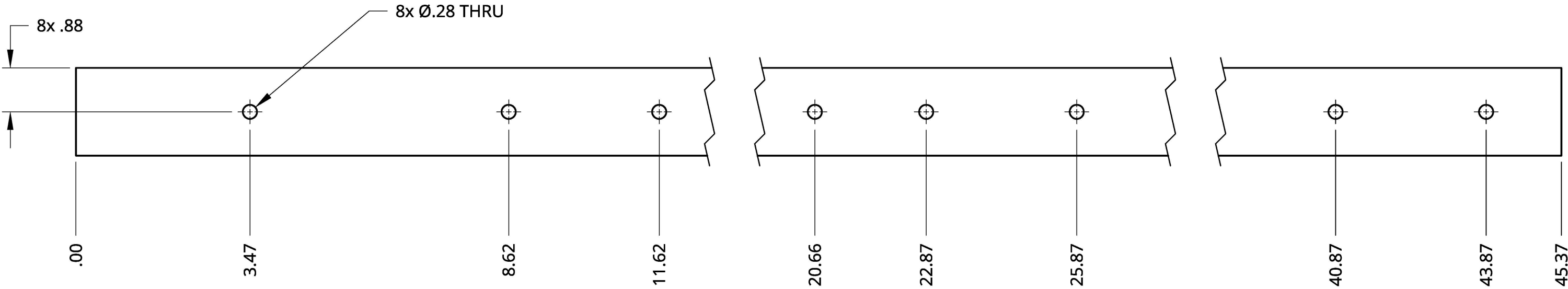
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE		
	DRAWN	DF	10/01/2025		
	MATERIAL			TITLE	
DO NOT SCALE DRAWING	1-3/4" X 1/8" SQUARE TUBING, 6061 ALUMINUM			HUB SIDE FRAME, FRONT VERTICAL	
BREAK ALL SHARP EDGES AND REMOVE BURRS				SIZE C	REV.
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				DWG NO. GE-26317-01	
SCALE 1:2		SHEET 2 of 5			

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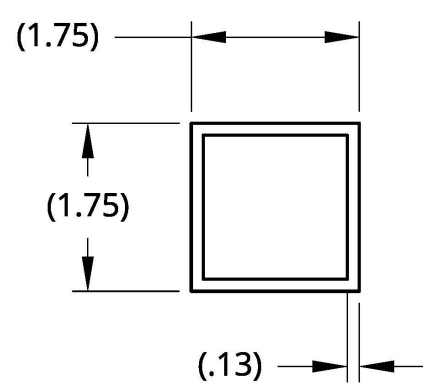
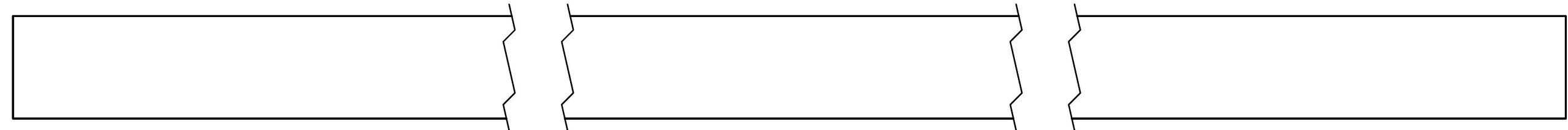
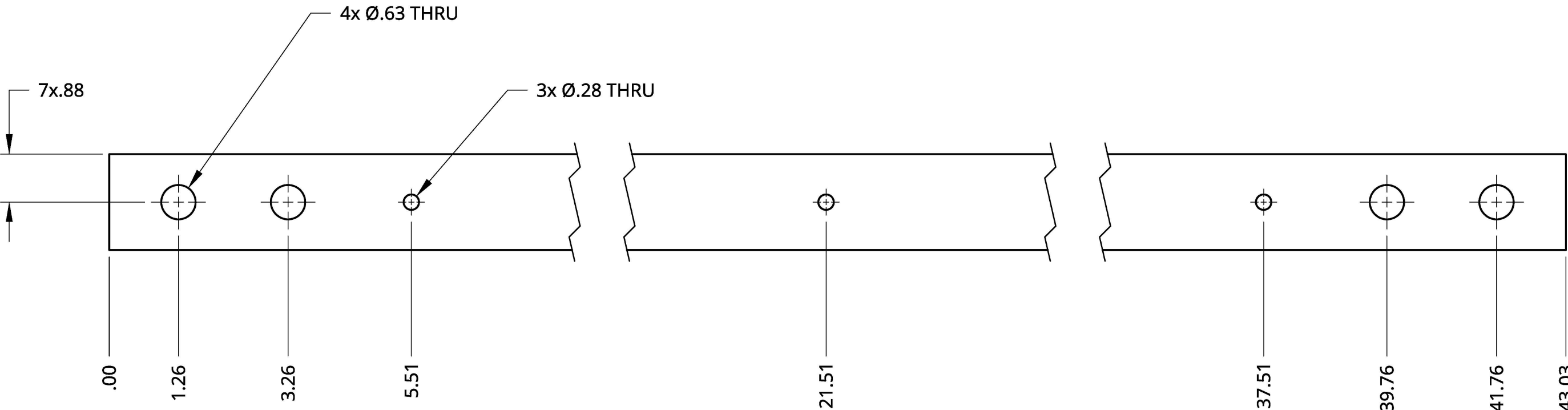
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE		
	DRAWN	DF	10/01/2025		
	MATERIAL			TITLE	
DO NOT SCALE DRAWING	1-3/4" X 1/8" SQUARE TUBING, 6061 ALUMINUM			HUB SIDE FRAME, BOTTOM HORIZONTAL	
BREAK ALL SHARP EDGES AND REMOVE BURRS				SIZE C	DWG NO. GE-26317-02
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SCALE 1:2	REV. 3 of 5

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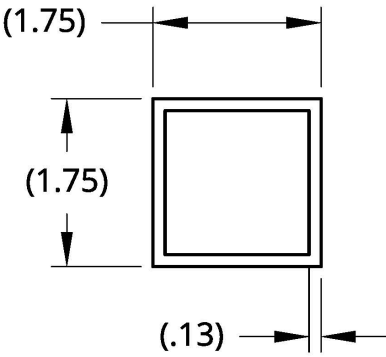
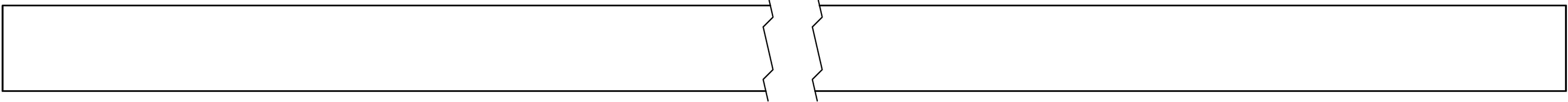
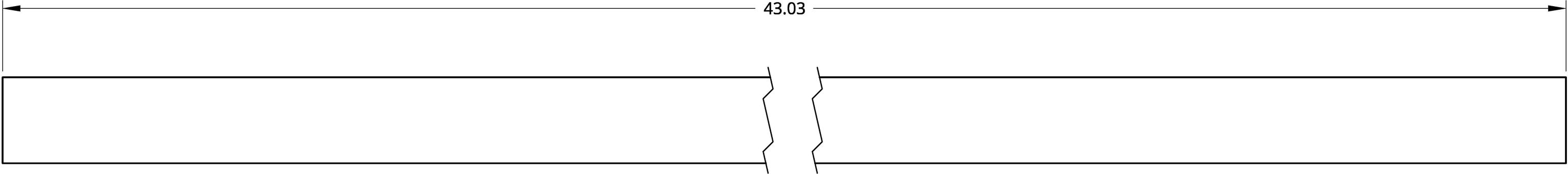
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE		
	DRAWN	DF	10/01/2025		
	MATERIAL			TITLE	
DO NOT SCALE DRAWING	1-3/4" X 1/8" SQUARE TUBING, 6061 ALUMINUM			HUB SIDE FRAME, MIDDLE HORIZONTAL	
BREAK ALL SHARP EDGES AND REMOVE BURRS				SIZE C	REV.
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				DWG NO. GE-26317-03	
SCALE 1:2		SHEET 4 of 5			

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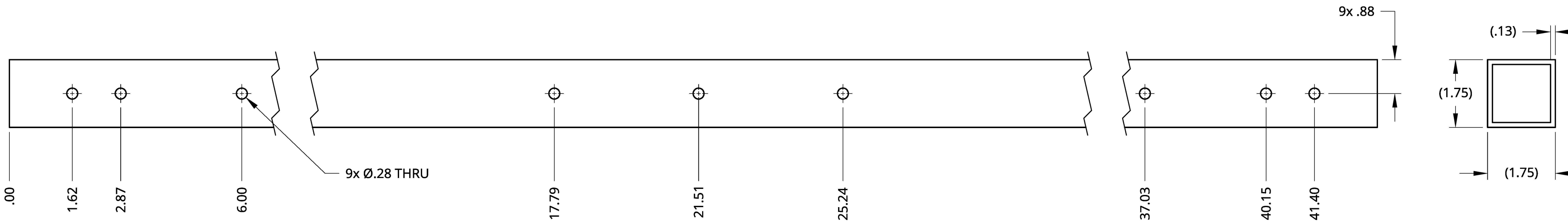
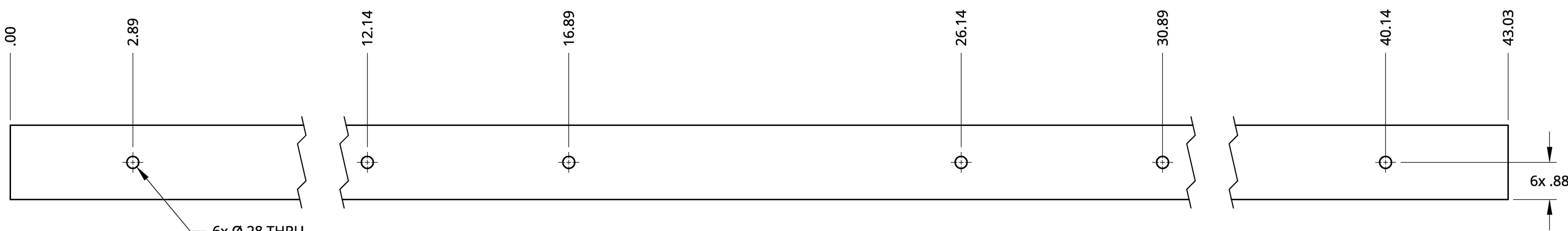
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE		
	DRAWN	DF	10/01/2025		
	MATERIAL			TITLE	
	1-3/4" X 1/8" SQUARE TUBING, 6061 ALUMINUM			HUB SIDE FRAME, TOP HORIZONTAL	
DO NOT SCALE DRAWING	1-3/4" X 1/8" SQUARE TUBING, 6061 ALUMINUM			SIZE	REV.
BREAK ALL SHARP EDGES AND REMOVE BURRS				C	
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				DWG NO.	GE-26317-04
	SCALE 1:2			SHEET	5 of 5

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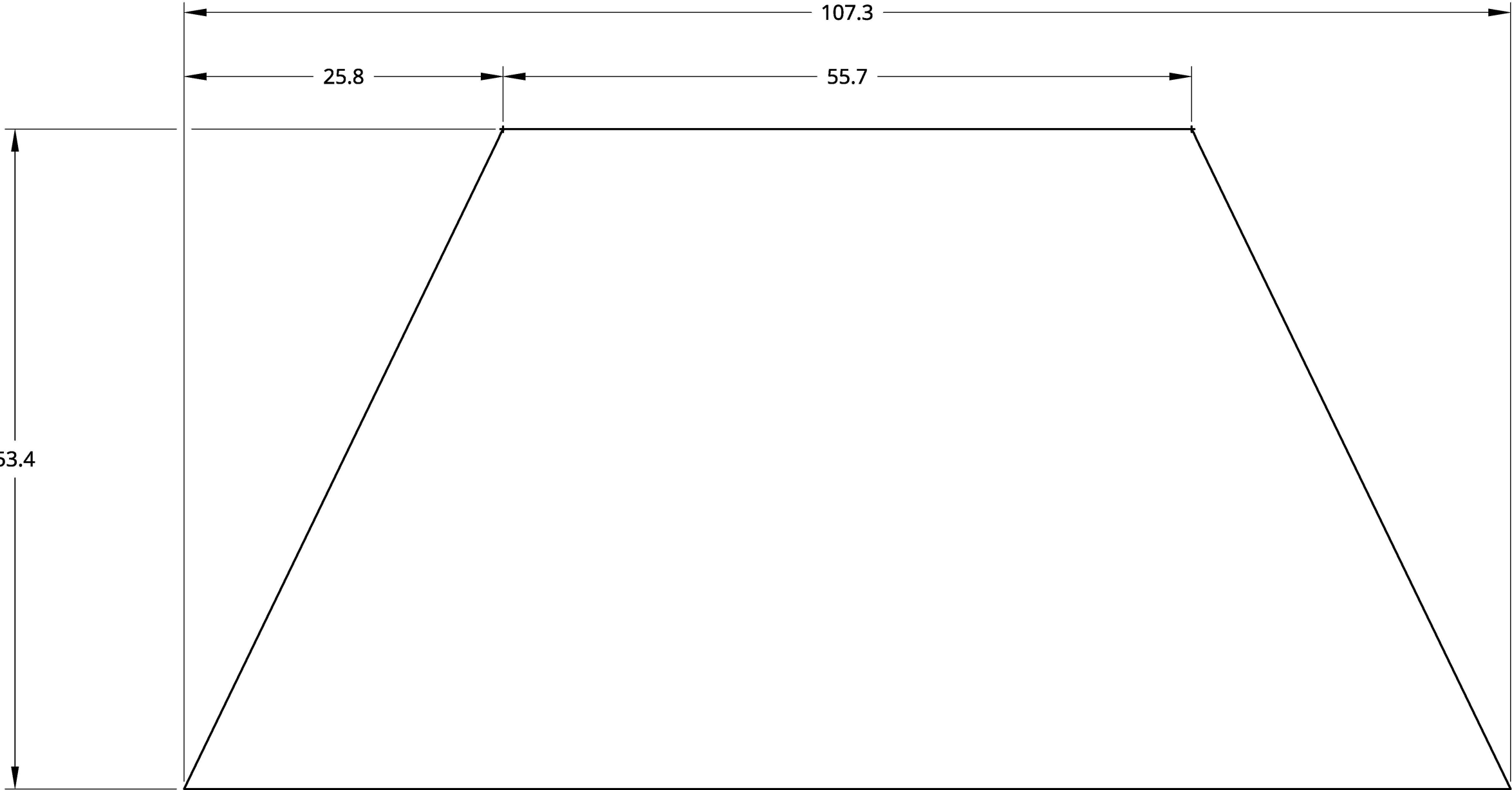
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Vendor: All Sport Netting
Website: www.allsportnetting.com
Net Material: Knit Polyester, 1/4" mesh
Border: 3/8" Sewn Cord

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE			
	DRAWN	DF	09/29/2025			
DO NOT SCALE DRAWING	MATERIAL KNIT POLYESTER, 1/4" MESH, 3/8" SEWN CORD			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				HUB NET		
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE	DWG NO.	REV.
				C	GE-26318	
	SCALE		1:10	SHEET	1 of 1	

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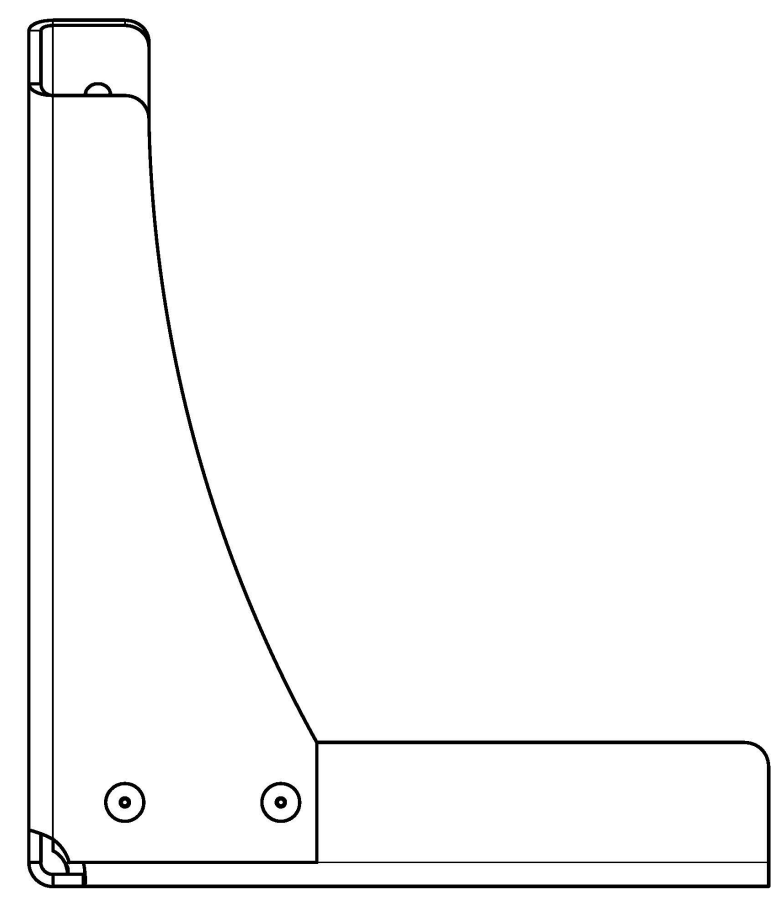
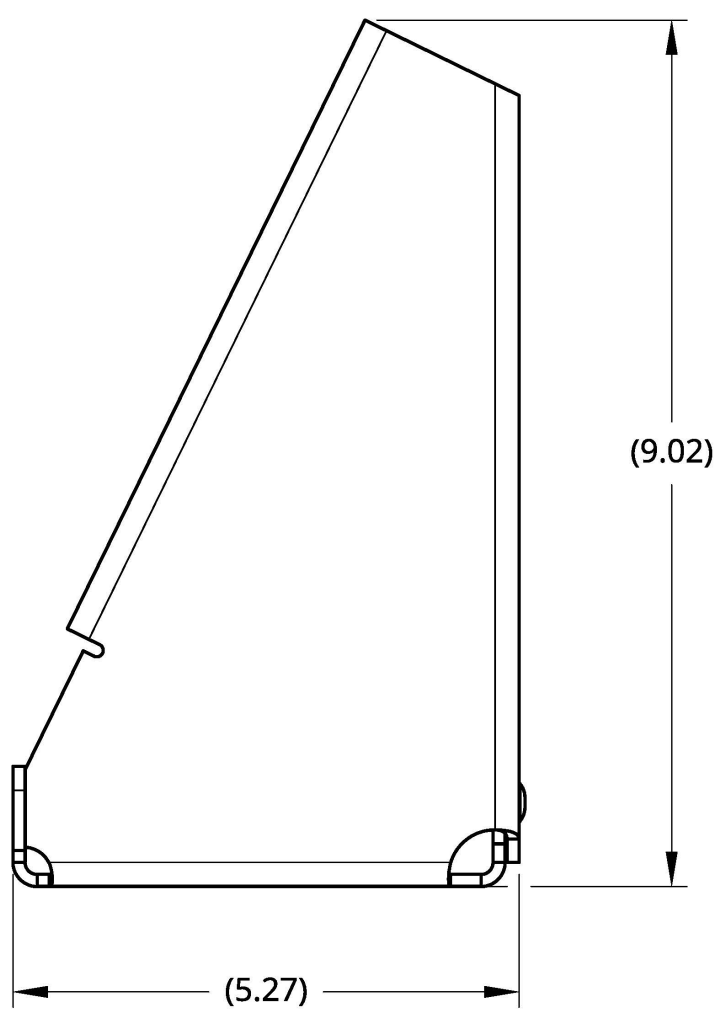
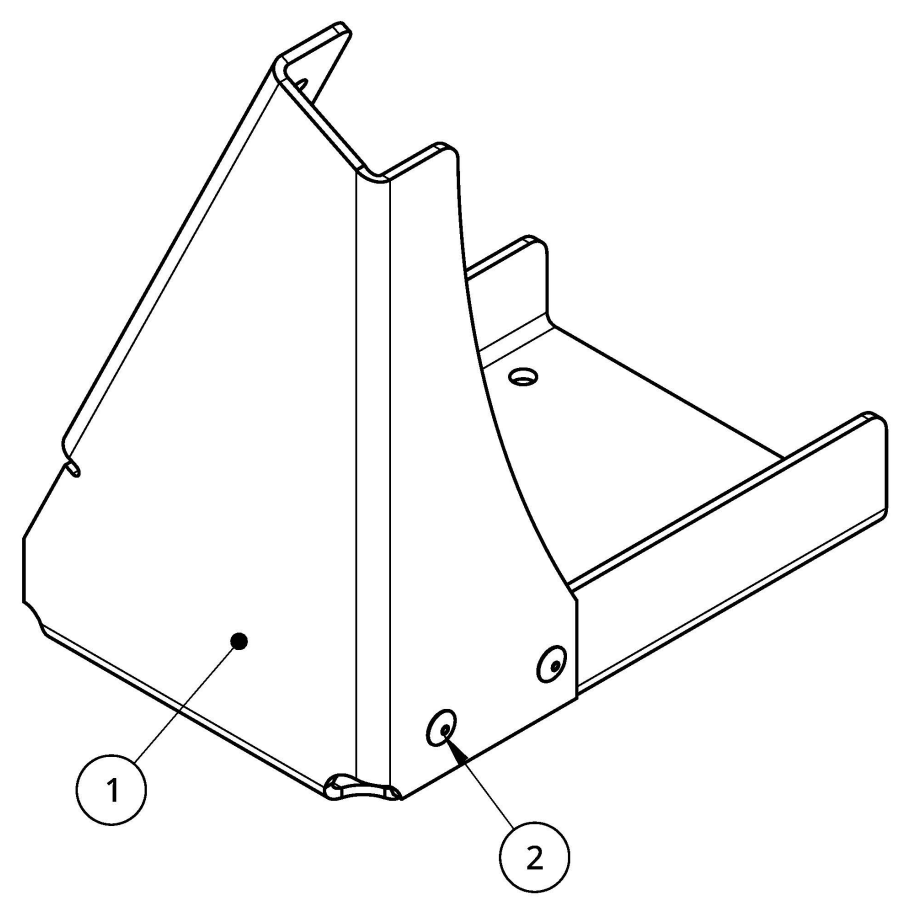
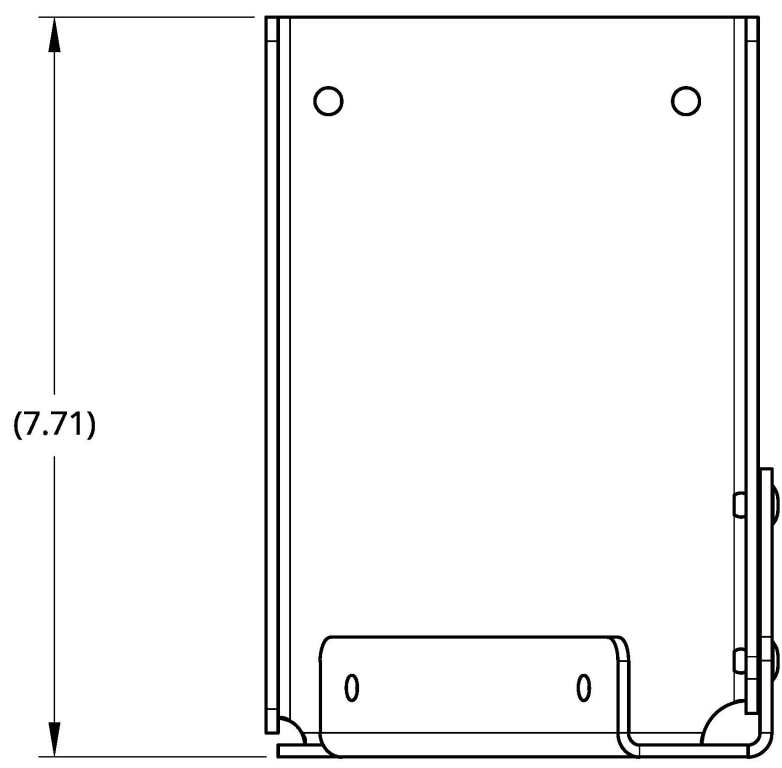
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Item	Quantity	Part number	Description
1	1	GE-26319-01	Hub Net Pole Holder 1, Right
2	2		3/16in Rivet, 0.126-0.250in Grip Length

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005 DO NOT SCALE DRAWING BREAK ALL SHARP EDGES AND REMOVE BURRS PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.	BEND	NAME	DATE		
	DRAWN	DF	10/16/2025		
	MATERIAL			TITLE	
				HUB NET POLE HOLDER 1, RIGHT ASSEMBLY	
SIZE		DWG NO.		REV.	
C		GE-26319			
SCALE		1:2		SHEET	
				1 of 2	

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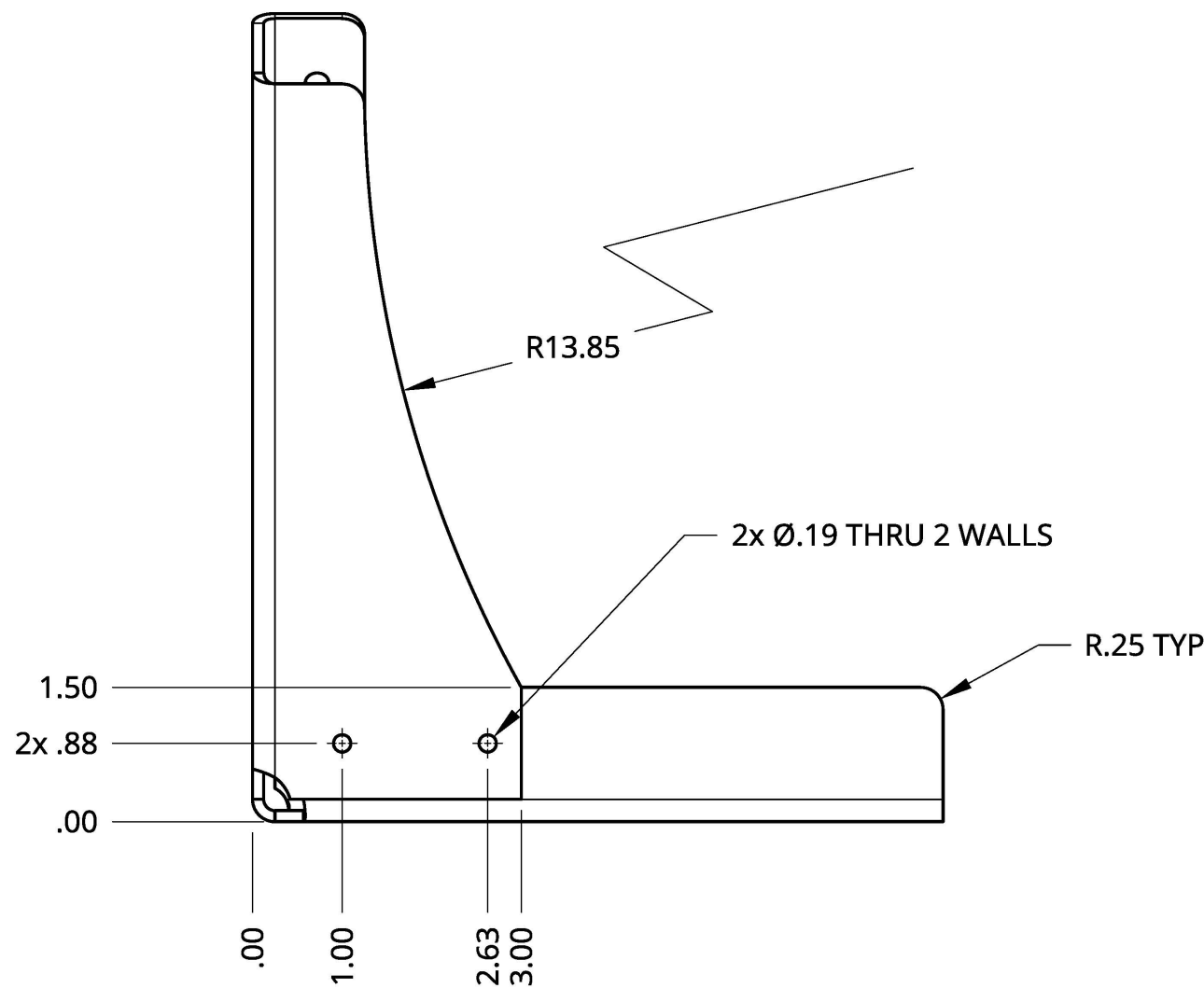
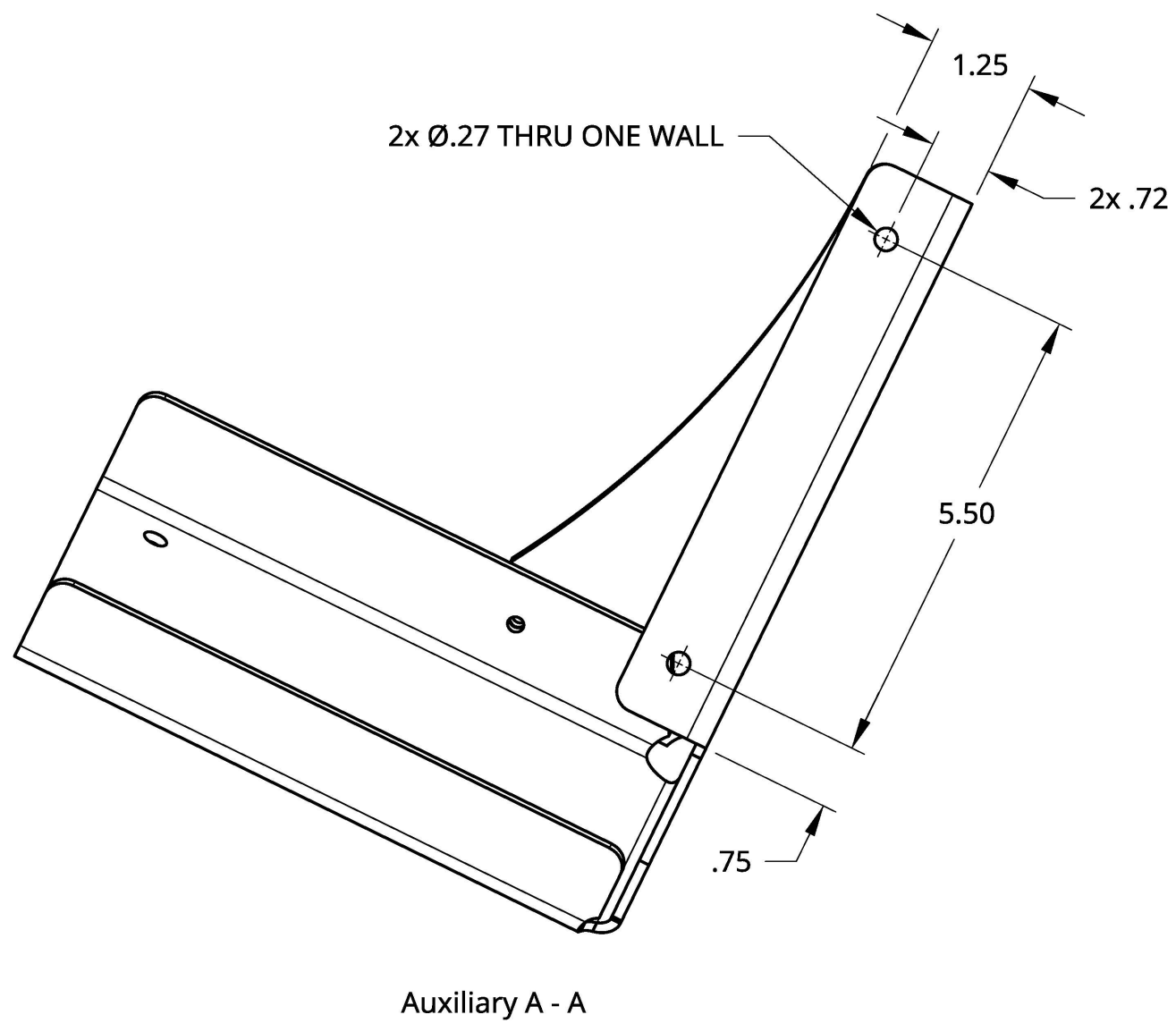
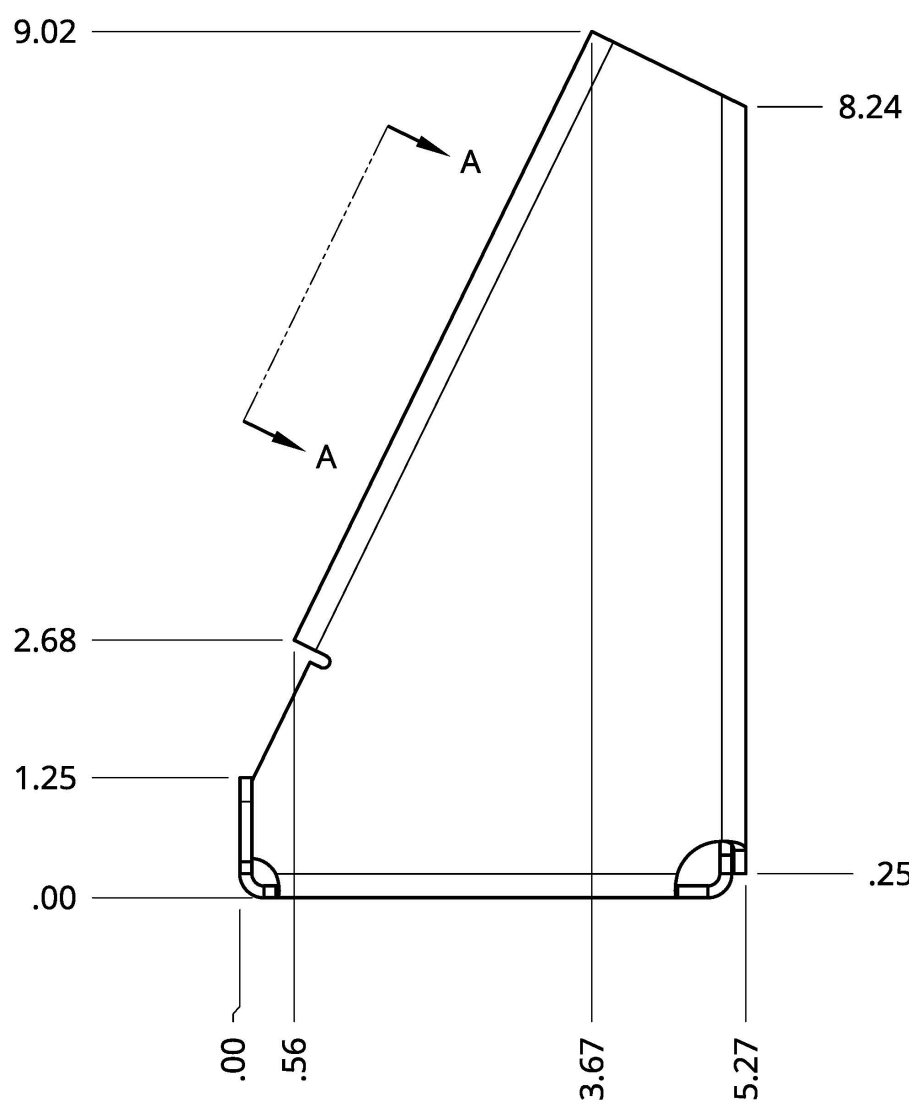
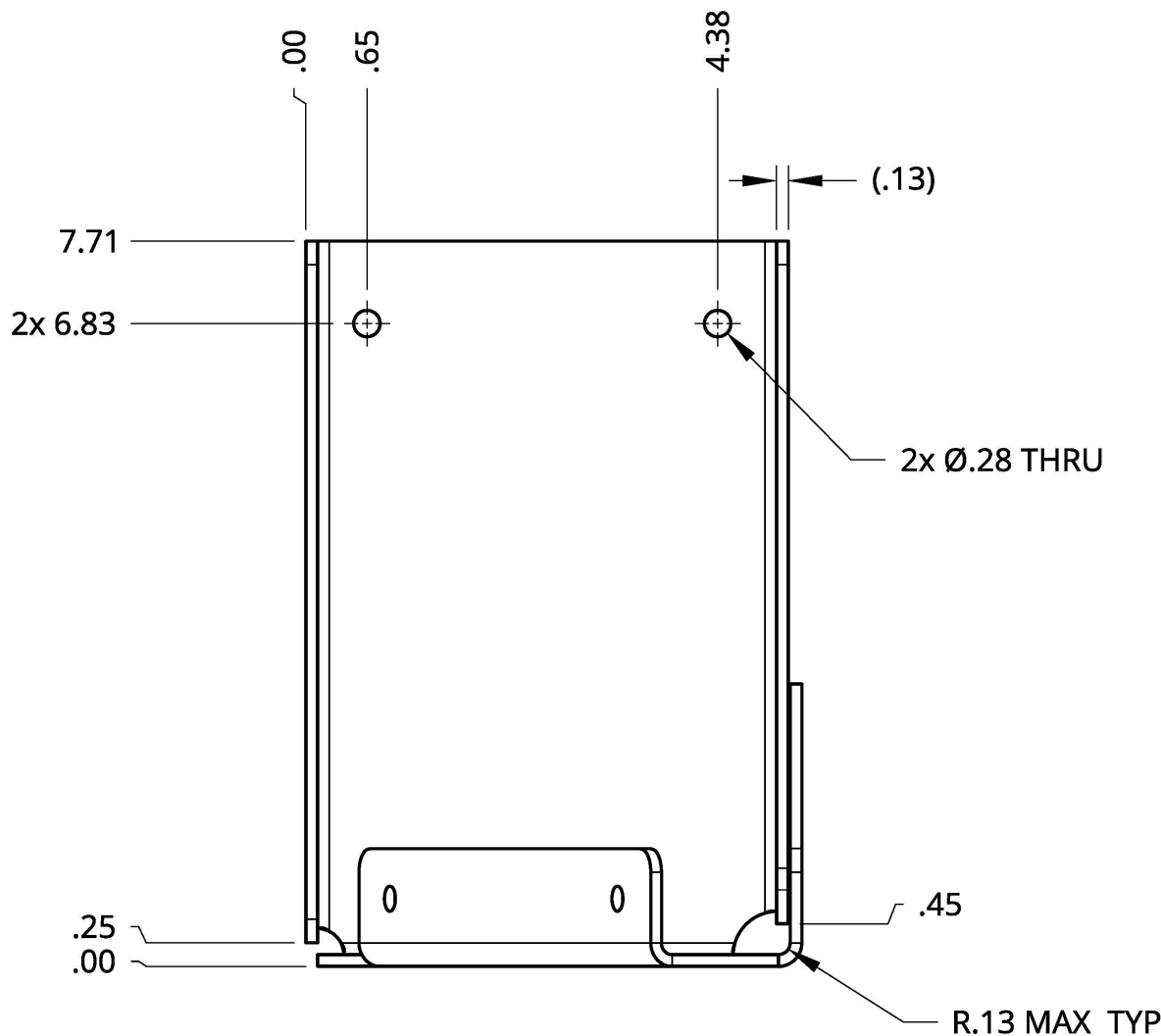
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	BEND	NAME	DATE		
	DRAWN	DF	10/16/2025		
	DO NOT SCALE DRAWING			TITLE	
BREAK ALL SHARP EDGES AND REMOVE BURRS	MATERIAL			HUB NET POLE HOLDER 1, RIGHT	
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE C	REV.
	1/8" 5052 ALUMINUM SHEET			DWG NO. GE-26319-01	
	SCALE 1:2			SHEET 2 of 2	

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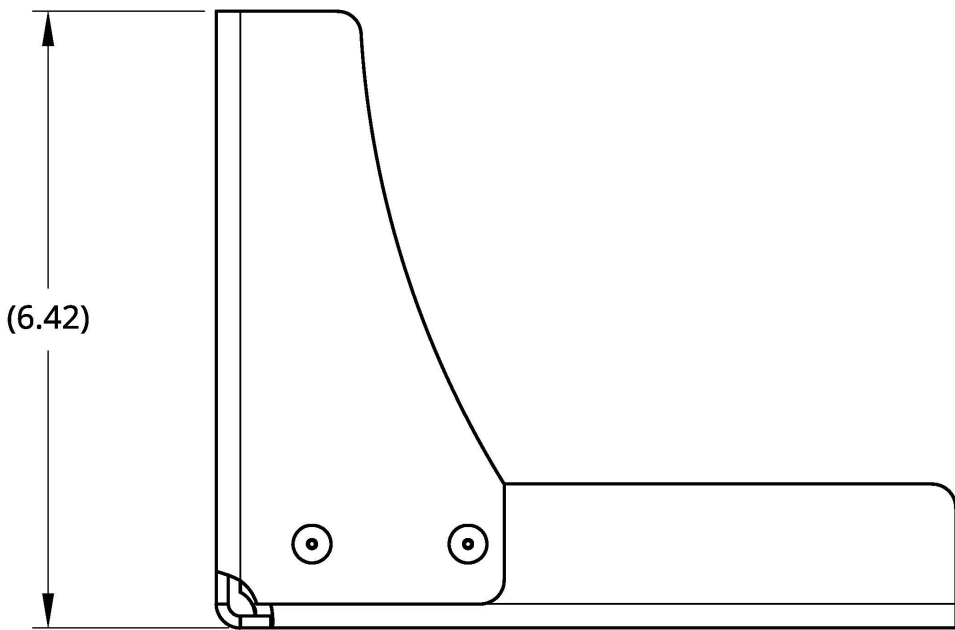
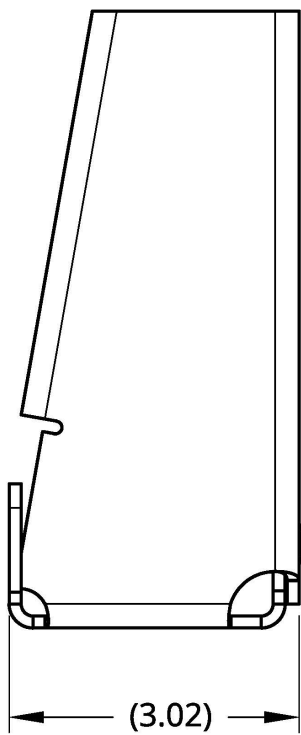
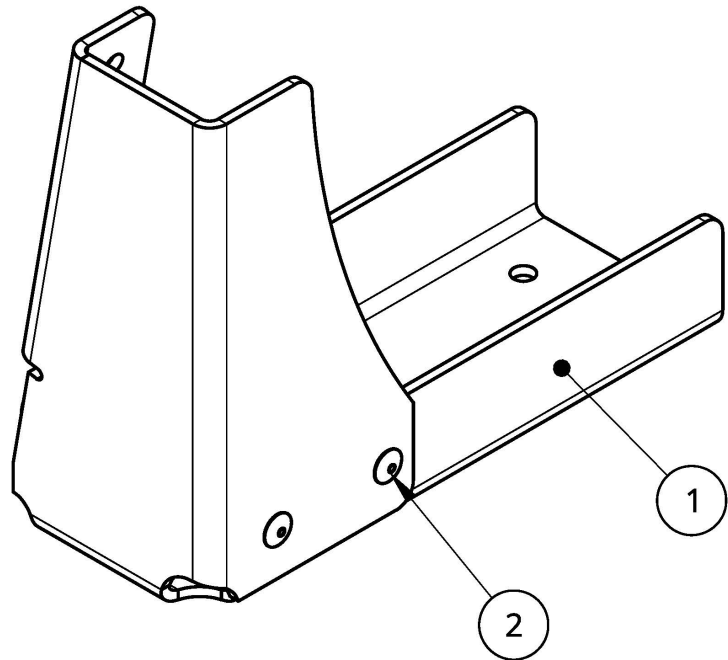
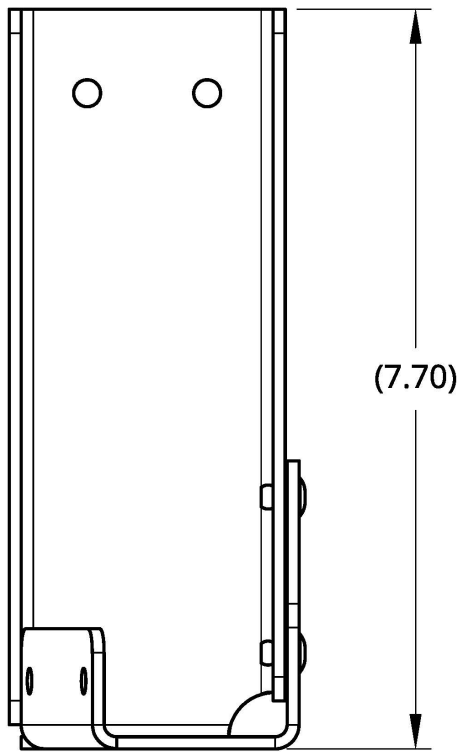
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Item	Quantity	Part number	Description
1	1	GE-26320-01	Hub Net Pole Holder 2, Right
2	2		3/16in Rivet, 0.126-0.250in Grip Length

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005 DO NOT SCALE DRAWING BREAK ALL SHARP EDGES AND REMOVE BURRS PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.	BEND	NAME	DATE		
	DRAWN	DF	10/16/2025		
	MATERIAL			TITLE	
				HUB NET POLE HOLDER 2, RIGHT ASSEMBLY	
		SIZE	DWG NO.	REV.	
		C	GE-26320		
		SCALE	1:2	SHEET	1 of 2

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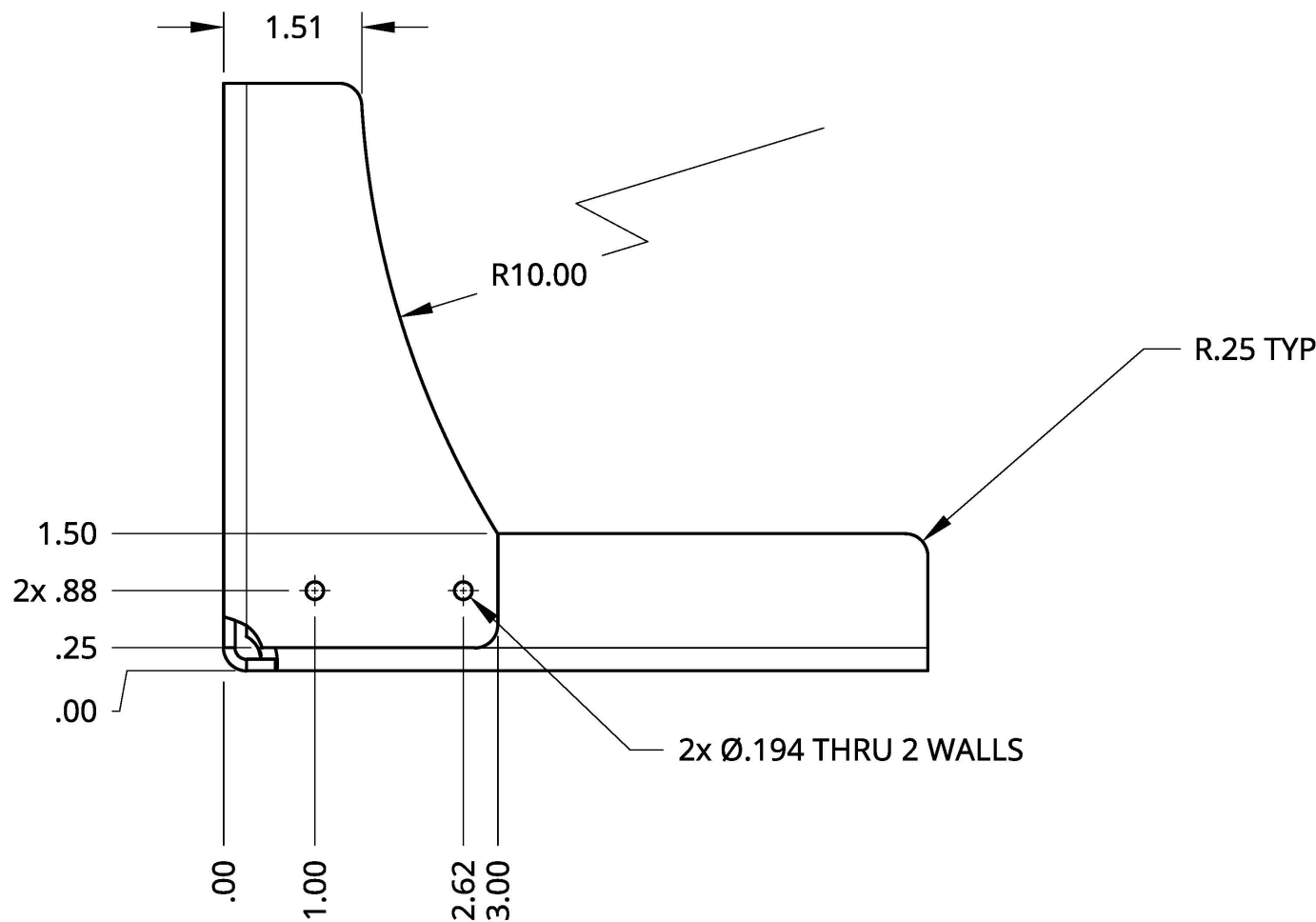
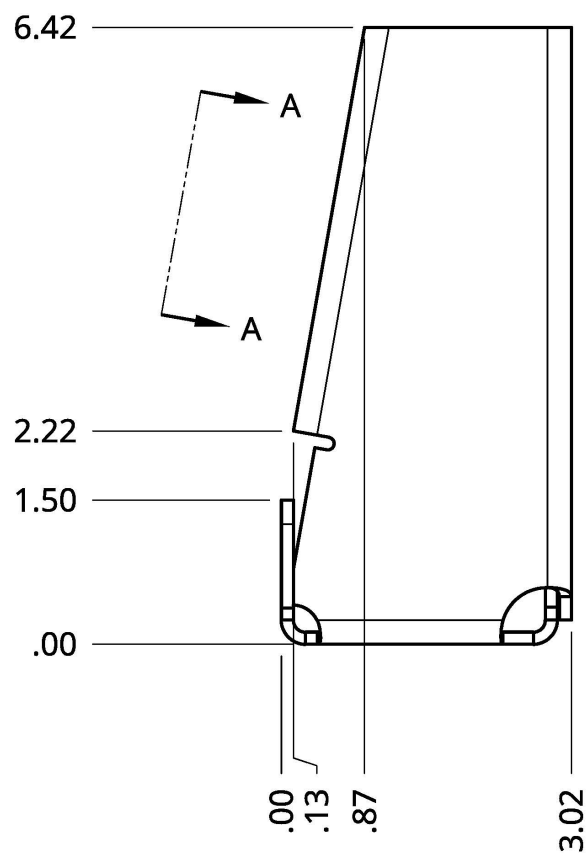
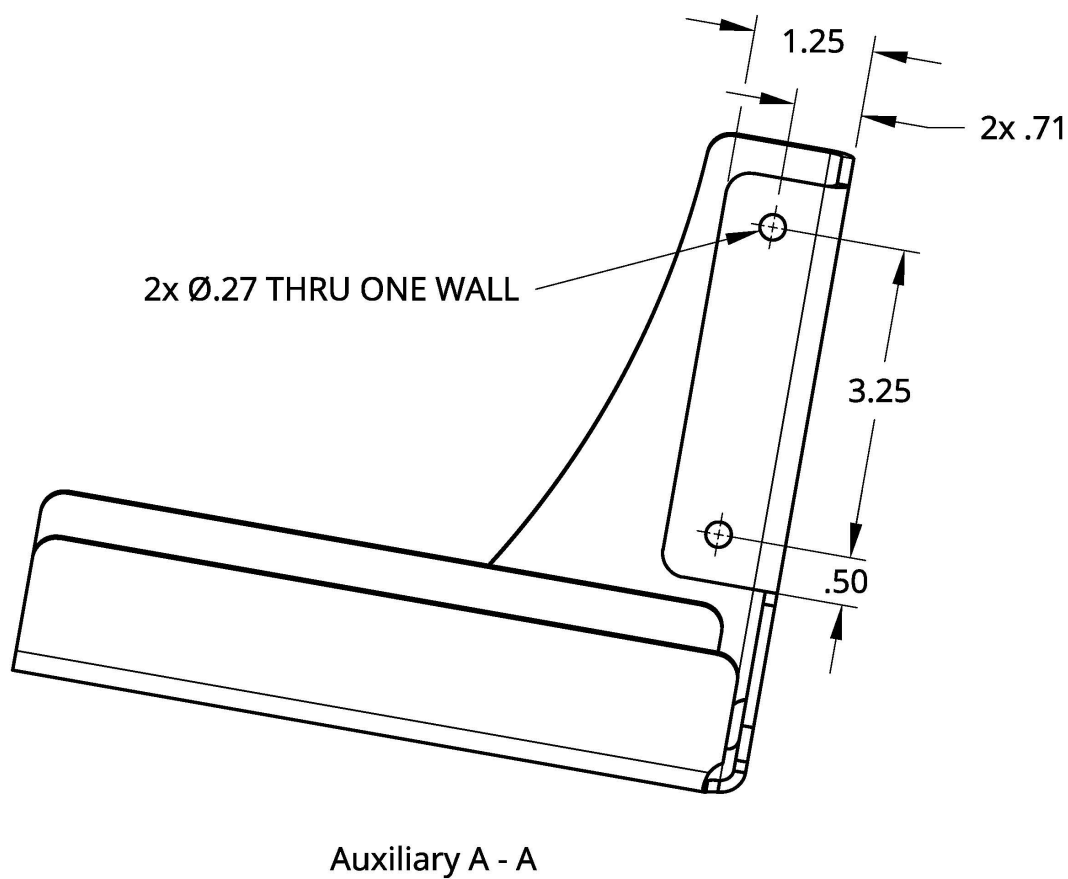
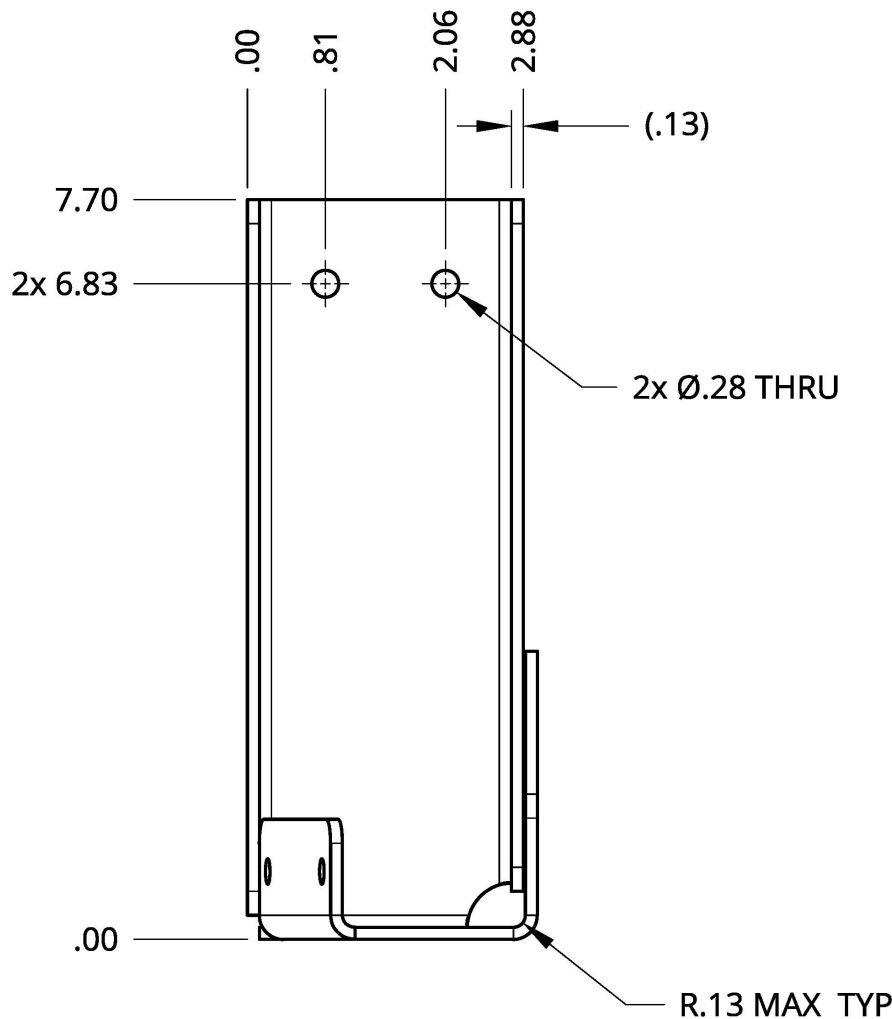
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	BEND	NAME	DATE		
	DRAWN	DF	10/16/2025		
	MATERIAL			TITLE	
DO NOT SCALE DRAWING	1/8" 5052 ALUMINUM SHEET			HUB NET POLE HOLDER 2, RIGHT	
BREAK ALL SHARP EDGES AND REMOVE BURRS				SIZE C	DWG NO. GE-26320-01
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SCALE 1:2	REV. SHEET 2 of 2

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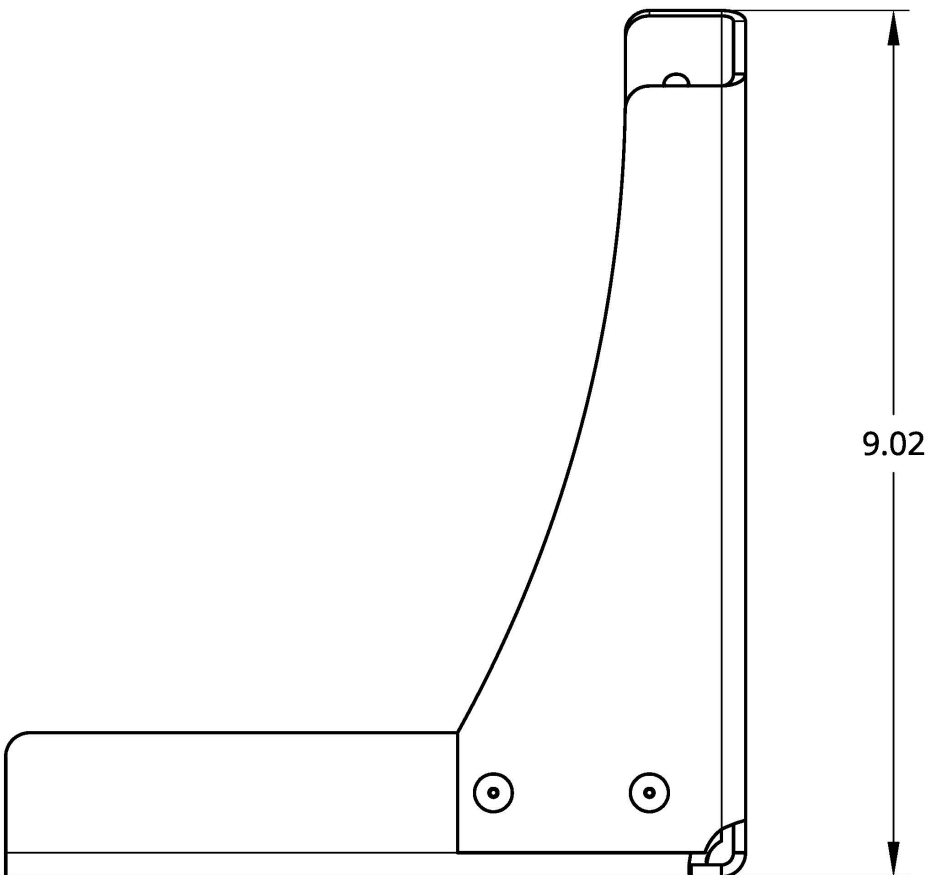
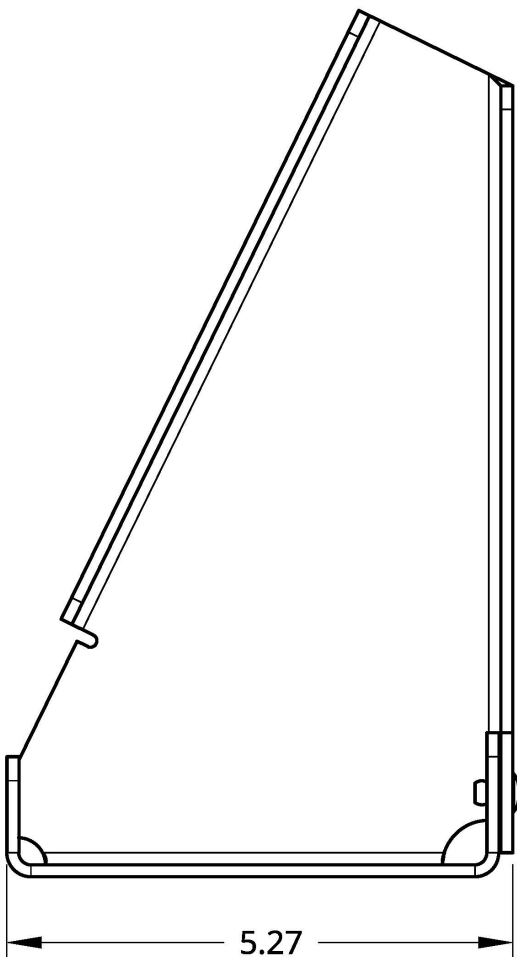
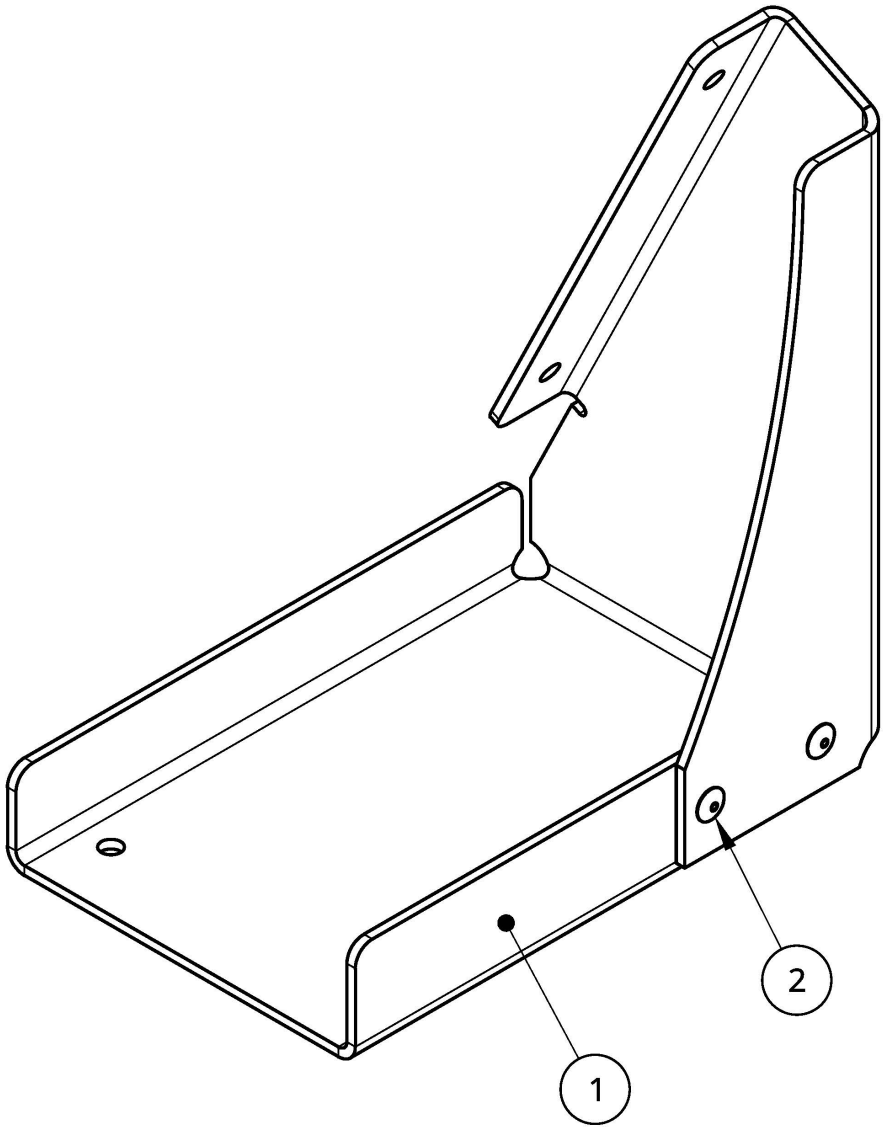
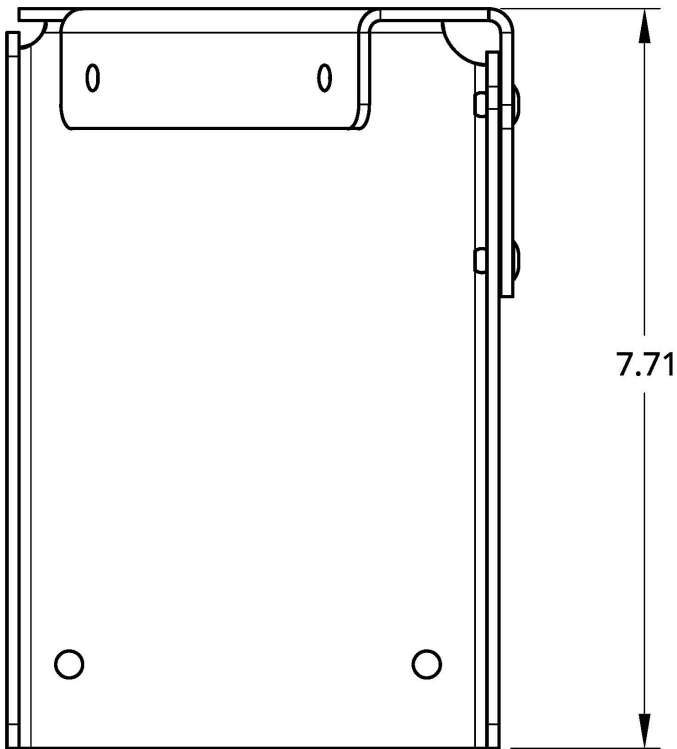
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Item	Quantity	Part number	Description
1	1	GE-26322-01	Hub Net Pole Holder 1, Left
2	2		3/16in Rivet, 0.126-0.250in Grip Length

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	BEND	NAME	DATE	
	DRAWN	DF	10/16/2025	
DO NOT SCALE DRAWING	MATERIAL			TITLE HUB NET POLE HOLDER 1, LEFT ASSEMBLY
BREAK ALL SHARP EDGES AND REMOVE BURRS				
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				
	SIZE C	DWG NO. GE-26322		REV.
	SCALE 1:2	SHEET 1 of 2		

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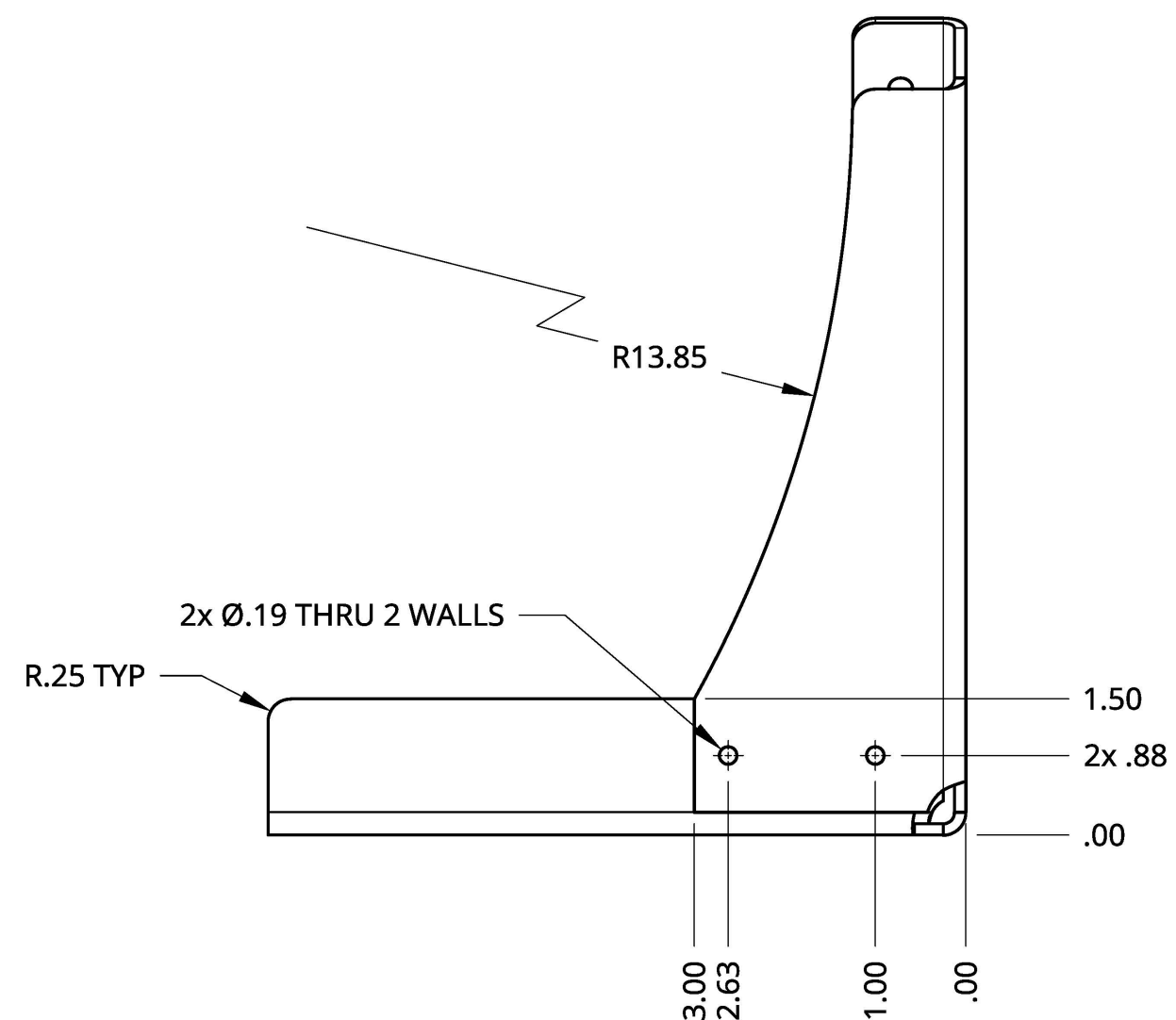
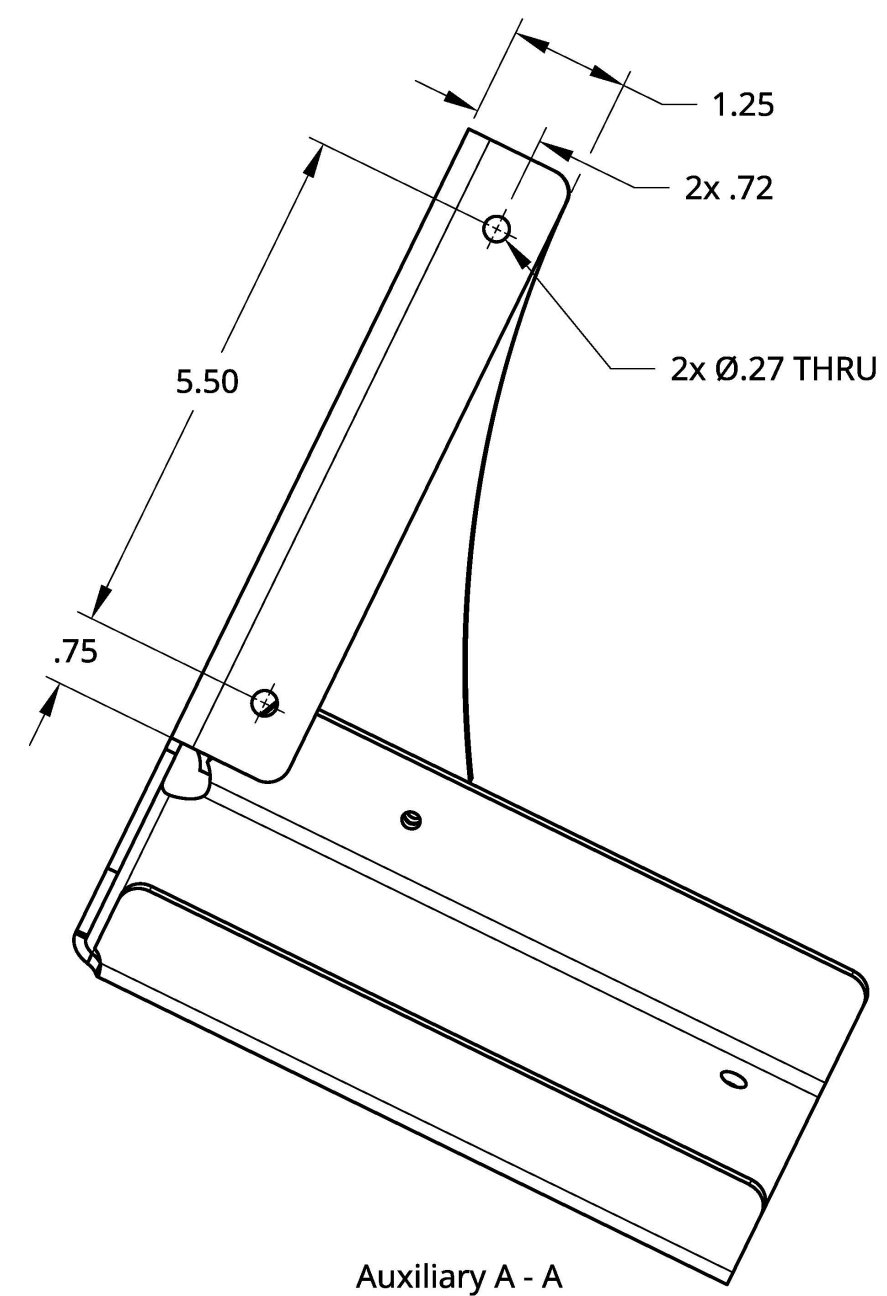
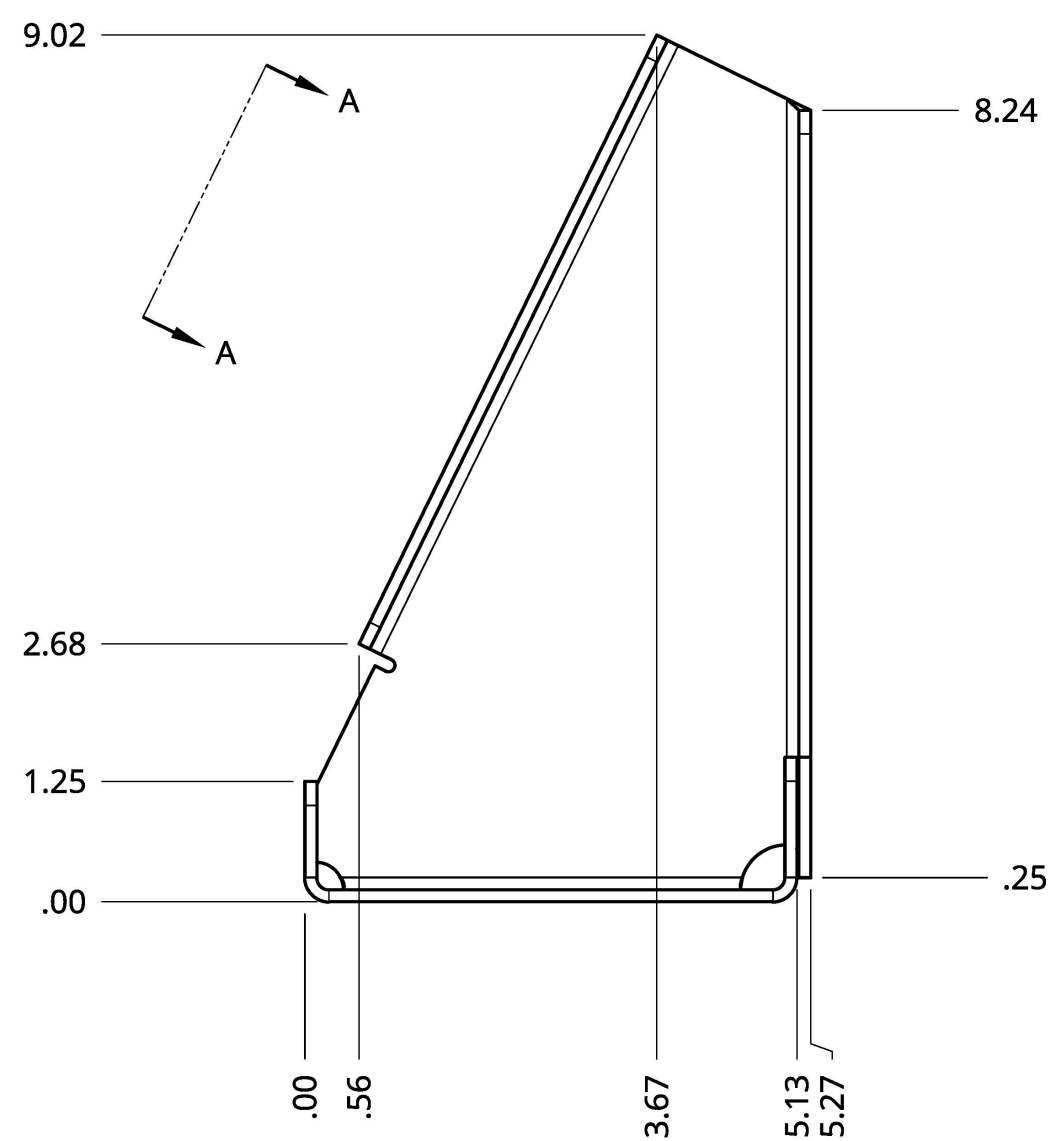
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	BEND	NAME	DATE	
	DRAWN	DF	10/16/2025	
DO NOT SCALE DRAWING	MATERIAL 1/8" 5052 ALUMINUM SHEET			TITLE
BREAK ALL SHARP EDGES AND REMOVE BURRS				HUB NET POLE HOLDER 1, LEFT
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST® . ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE C DWG NO. GE-26322-01 REV.
SCALE 1:2				SHEET 2 of 2

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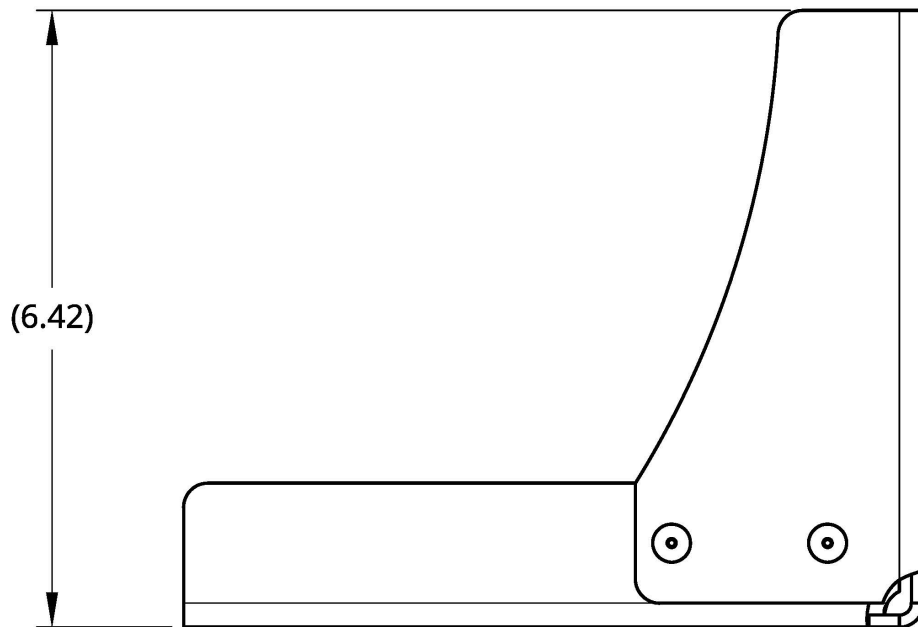
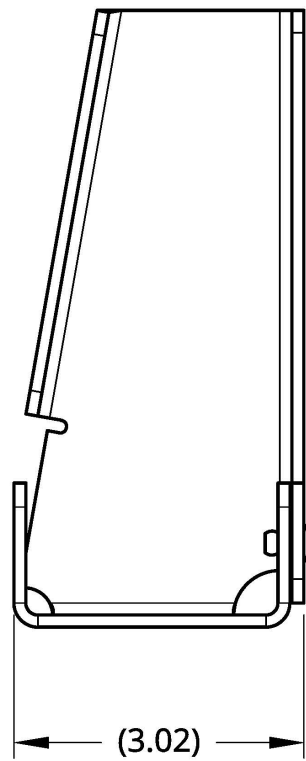
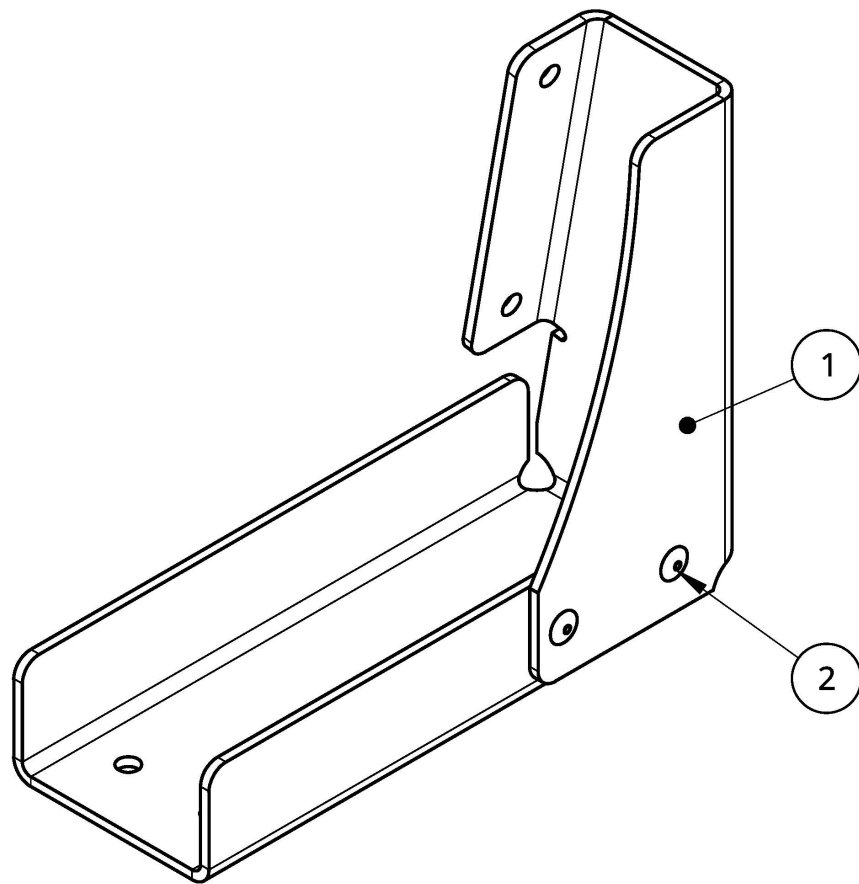
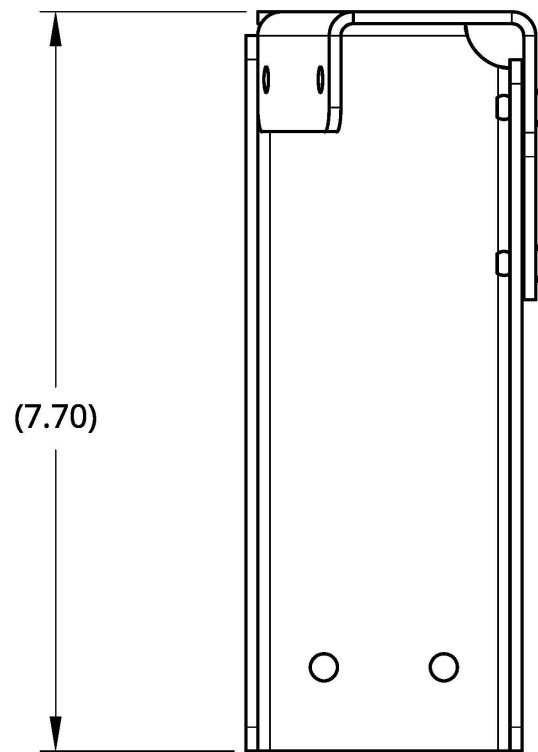
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Item	Quantity	Part number	Description
1	1	GE-26323-01	Hub Net Pole Holder 2, Left
2	2		3/16in Rivet, 0.126-0.250in Grip Length

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES
.XX = ±.01 ANGULAR = ± 1°
.XXX = ±.005

DO NOT SCALE DRAWING

BREAK ALL SHARP EDGES AND
REMOVE BURRS

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN
THIS DRAWING IS THE SOLE
PROPERTY OF **FIRST®**. ANY
REPRODUCTION IN PART OR AS A
WHOLE WITHOUT THE WRITTEN
PERMISSION OF **FIRST®** IS
PROHIBITED.

BEND	NAME	DATE
DRAWN	DF	10/16/2025
MATERIAL		



**HUB NET POLE HOLDER 2, LEFT
ASSEMBLY**

SIZE C	DWG NO. GE-26323	REV.
SCALE 1:2	SHEET 1 of 2	

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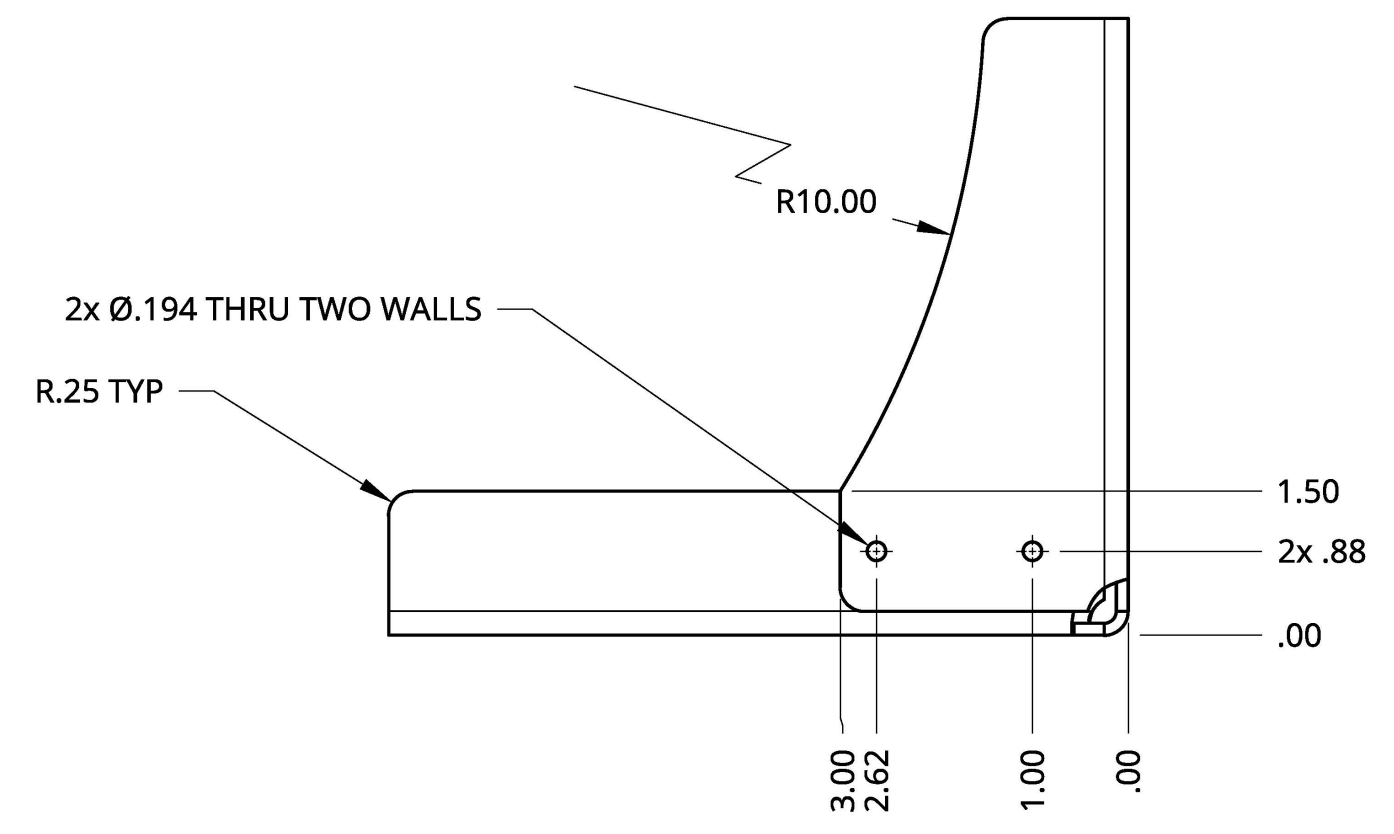
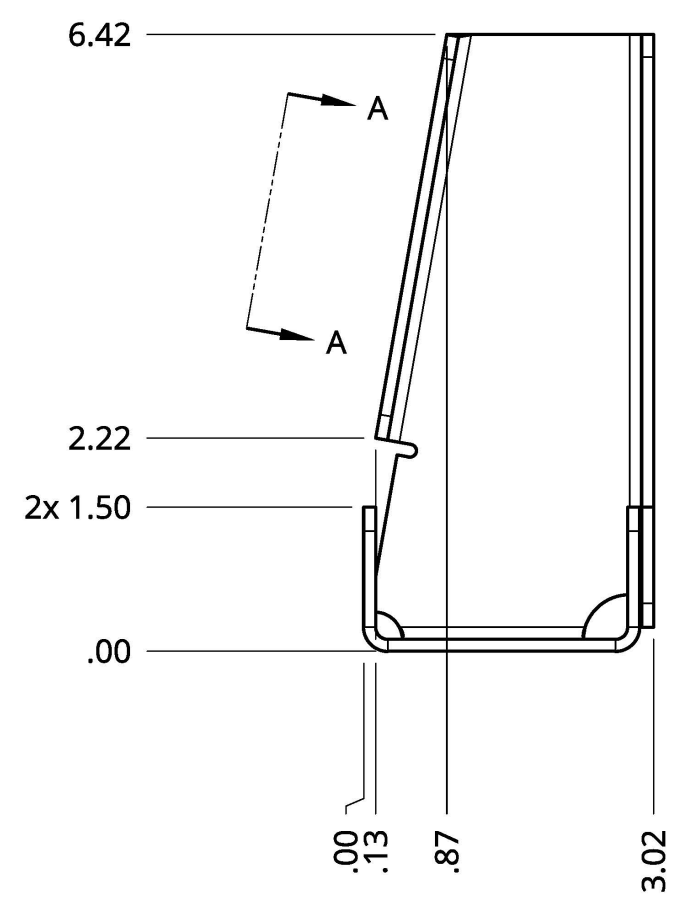
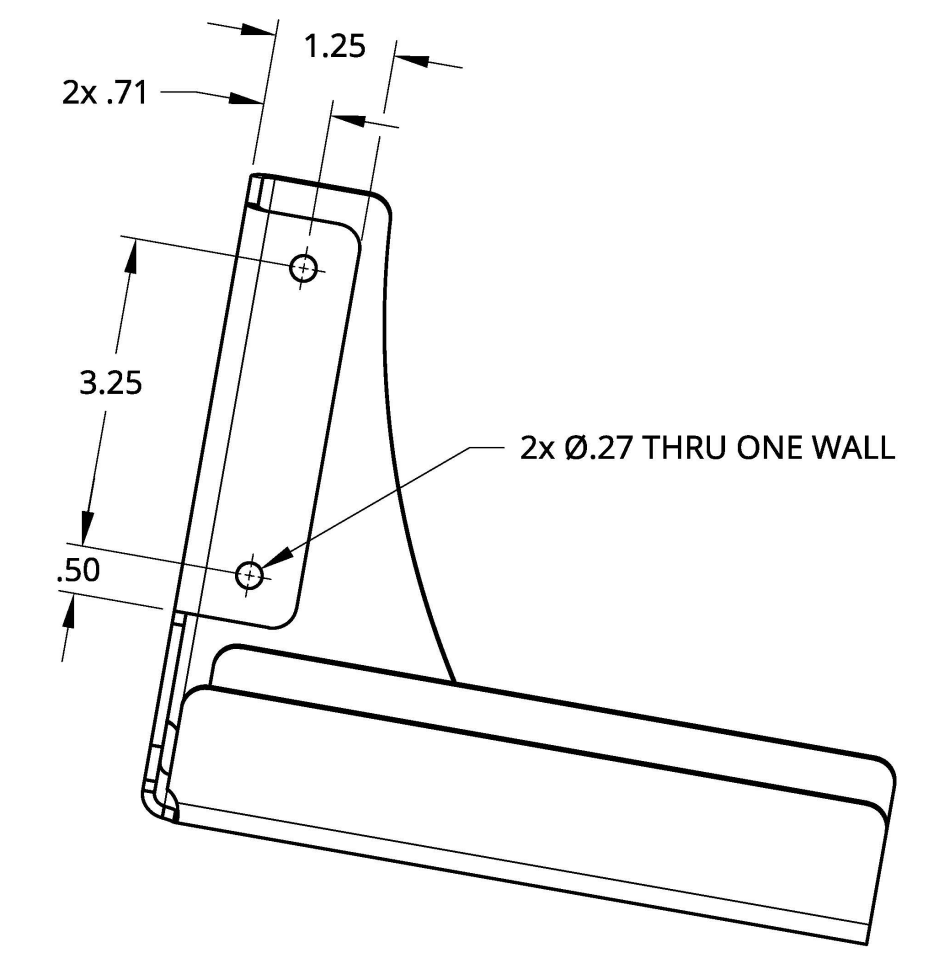
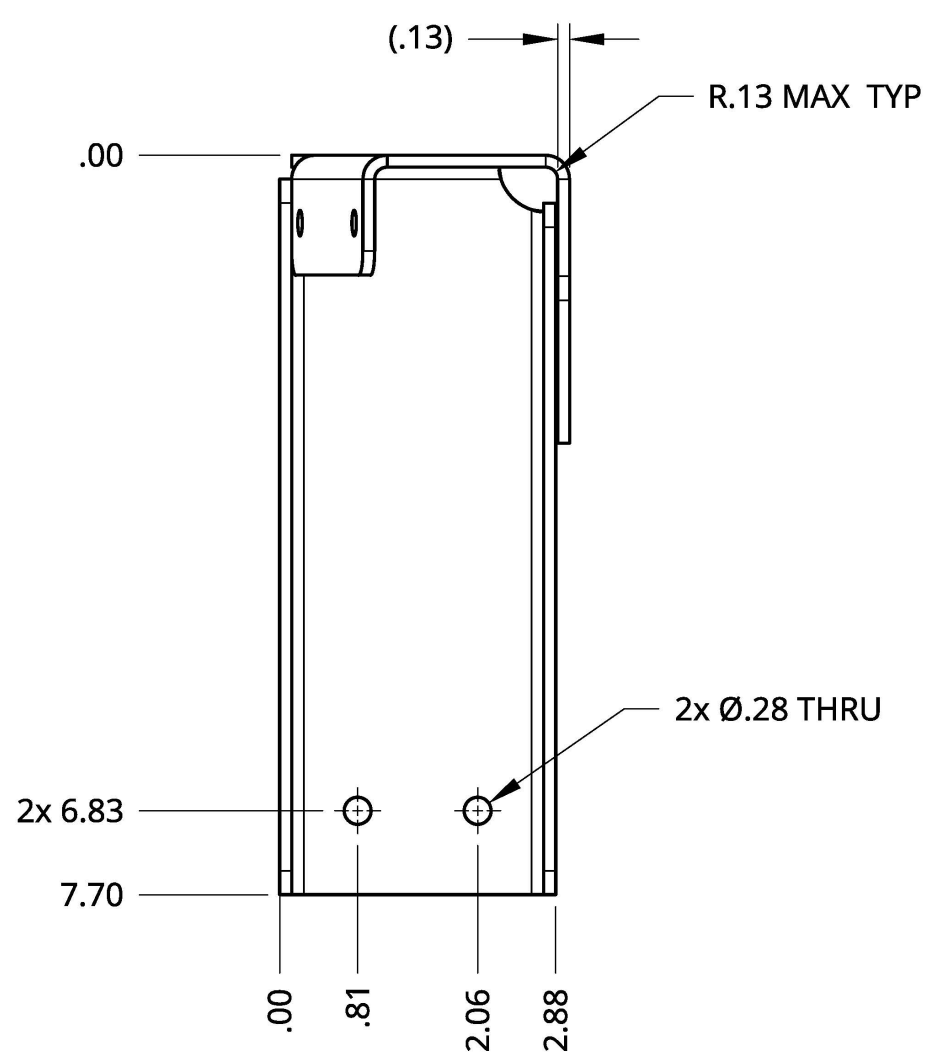
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	BEND	NAME	DATE			
	DRAWN	DF	10/16/2025			
	DO NOT SCALE DRAWING			TITLE		
	BREAK ALL SHARP EDGES AND REMOVE BURRS			HUB NET POLE HOLDER 2, LEFT		
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.	MATERIAL 1/8" 5052 ALUMINUM SHEET			SIZE	DWG NO.	REV.
				C	GE-26323-01	
				SCALE	1:2	SHEET 2 of 2

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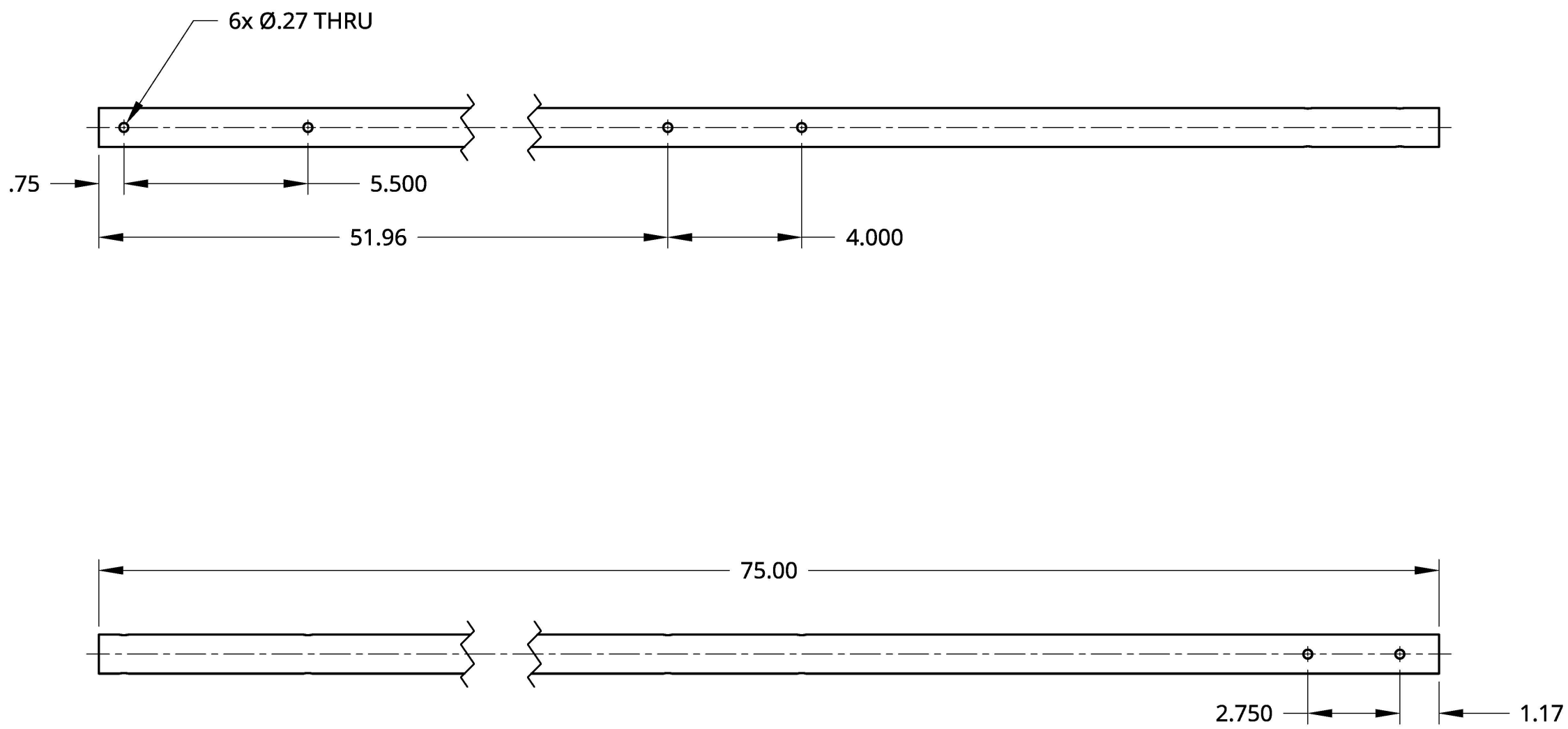
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE		
	DRAWN	DF	10/07/2025		
	MATERIAL			TITLE	
DO NOT SCALE DRAWING	1" EMT CONDUIT, GALVANIZED STEEL			HUB NET POLE, LONG	
BREAK ALL SHARP EDGES AND REMOVE BURRS				SIZE C	DWG NO. GE-26324
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SCALE 1:4	REV. 1 of 1

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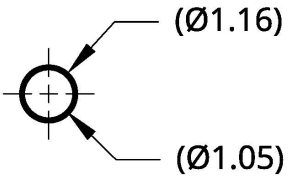
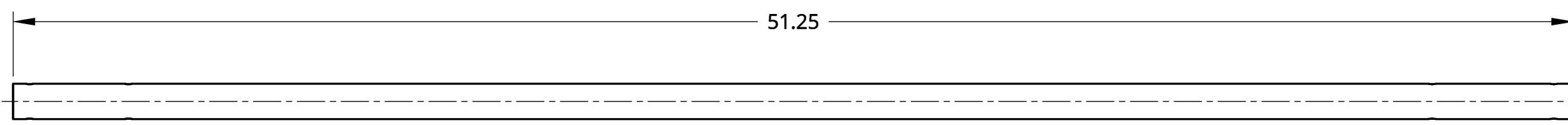
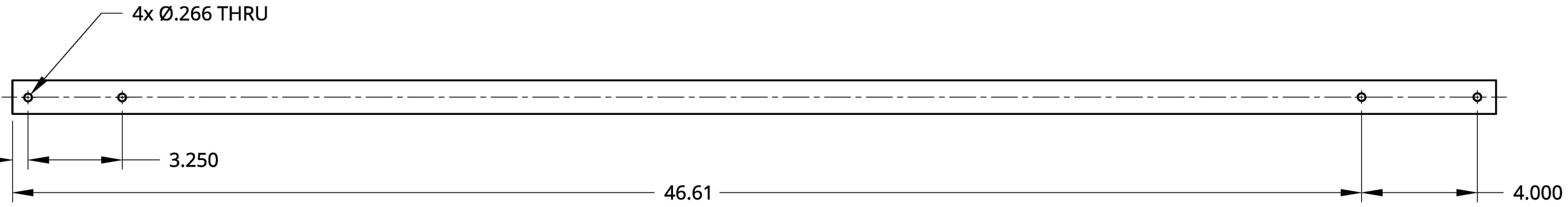
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE				
	DRAWN	DF	10/07/2025				
DO NOT SCALE DRAWING	MATERIAL 1" EMT CONDUIT, GALVANIZED STEEL			TITLE			
BREAK ALL SHARP EDGES AND REMOVE BURRS				HUB NET POLE, SHORT			
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST® . ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE	DWG NO.	GE-26325	REV.
				SCALE	1:4		

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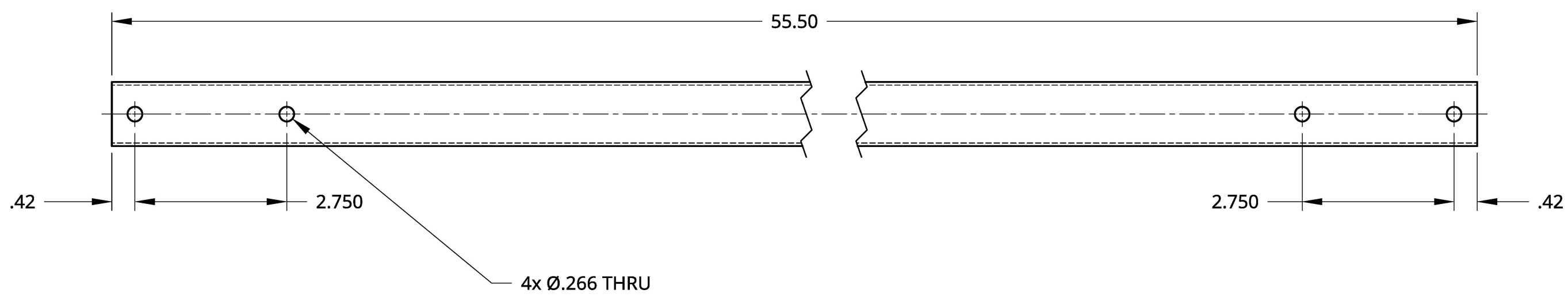
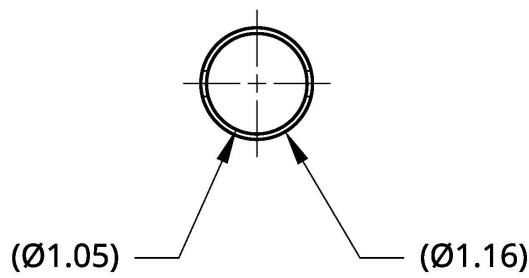
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005 DO NOT SCALE DRAWING BREAK ALL SHARP EDGES AND REMOVE BURRS PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF <i>FIRST</i> ®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF <i>FIRST</i> ® IS PROHIBITED.	VEND	NAME	DATE		
	DRAWN	DF	10/07/2025		
	MATERIAL			TITLE	
	1" EMT CONDUIT, GALVANIZED STEEL			HUB NET POLE, TOP	
SIZE C		DWG NO. GE-26326			REV.
SCALE 1:2		SHEET 1 of 1			

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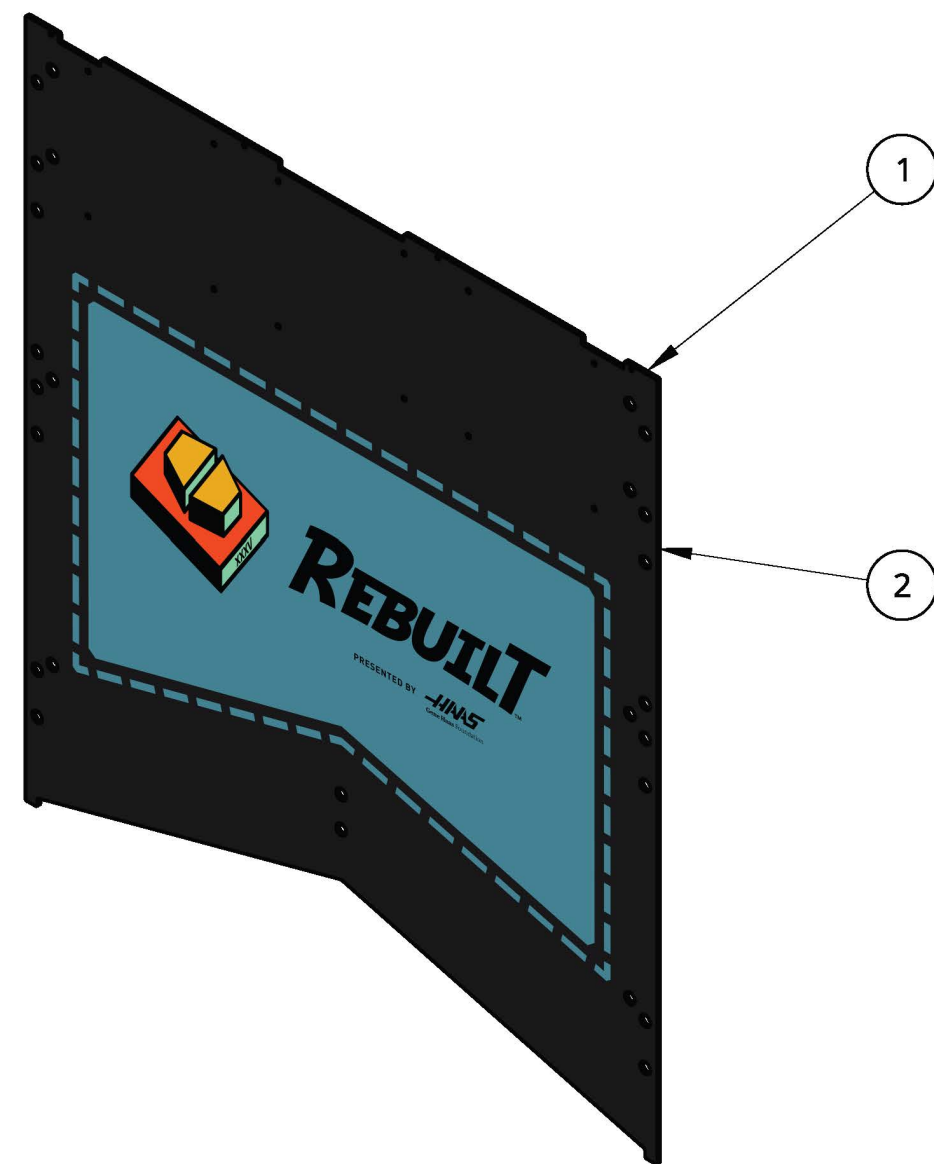
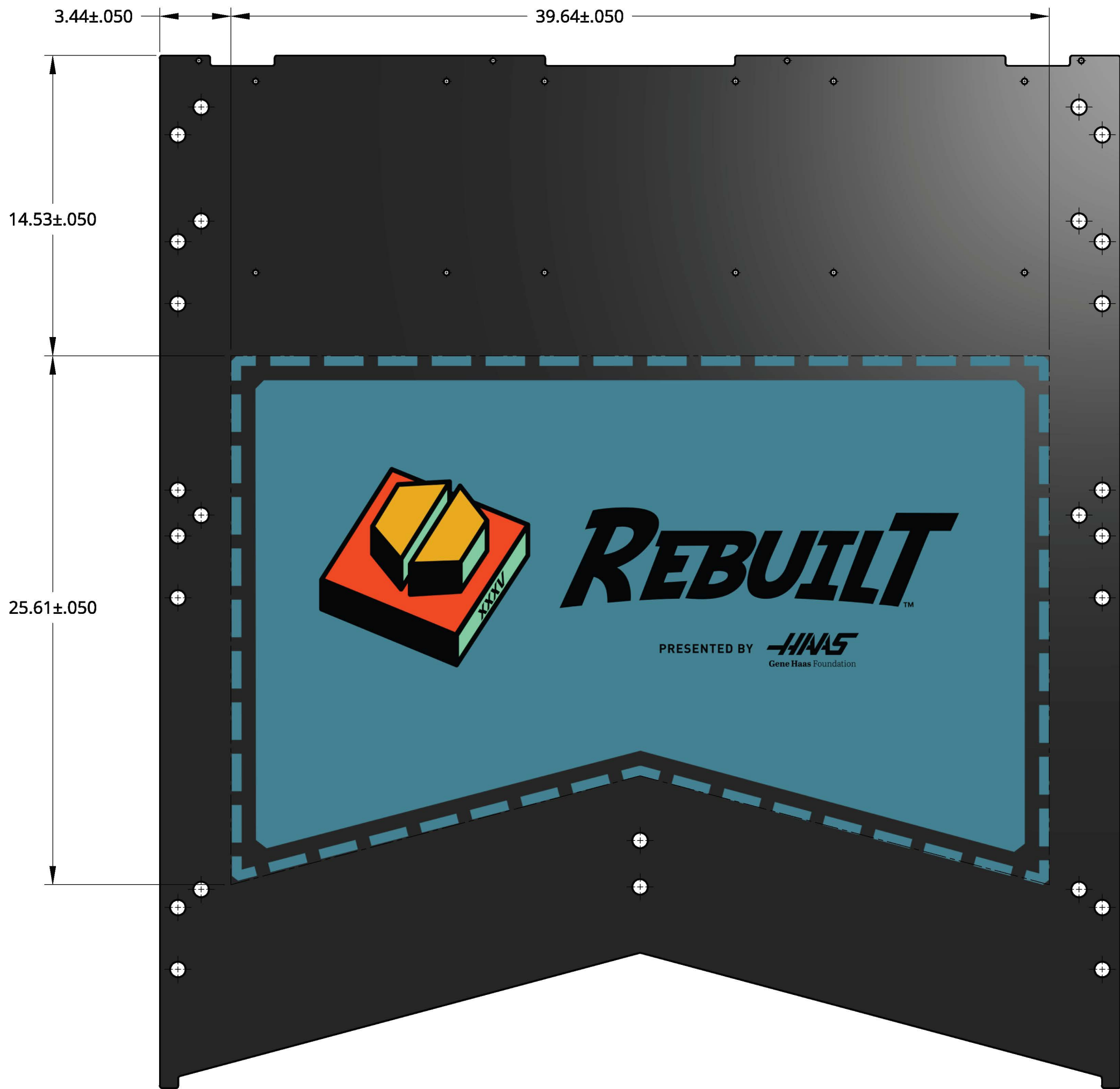
1

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SCALE 1:10

NOTES:

1. Printed vinyl applied to the BACK side of clear polycarbonate panel, so that the graphics are seen through the polycarbonate.
2. See GE-26327-Deco.eps for print graphics.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005 DO NOT SCALE DRAWING BREAK ALL SHARP EDGES AND REMOVE BURRS PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.	VEND	NAME	DATE		
	DRAWN	DF	10/16/2025		
	MATERIAL			TITLE	
				HUB SIDE PANEL PLASTIC AND VINYL	
SIZE		DWG NO.		REV.	
C		GE-26327			
SCALE		1:5		SHEET	
				1 of 1	

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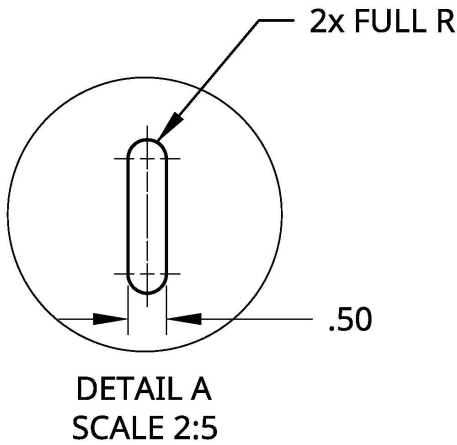
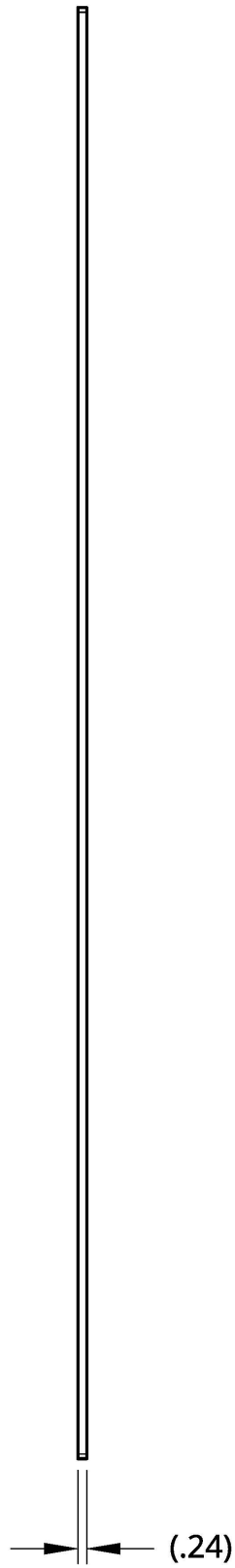
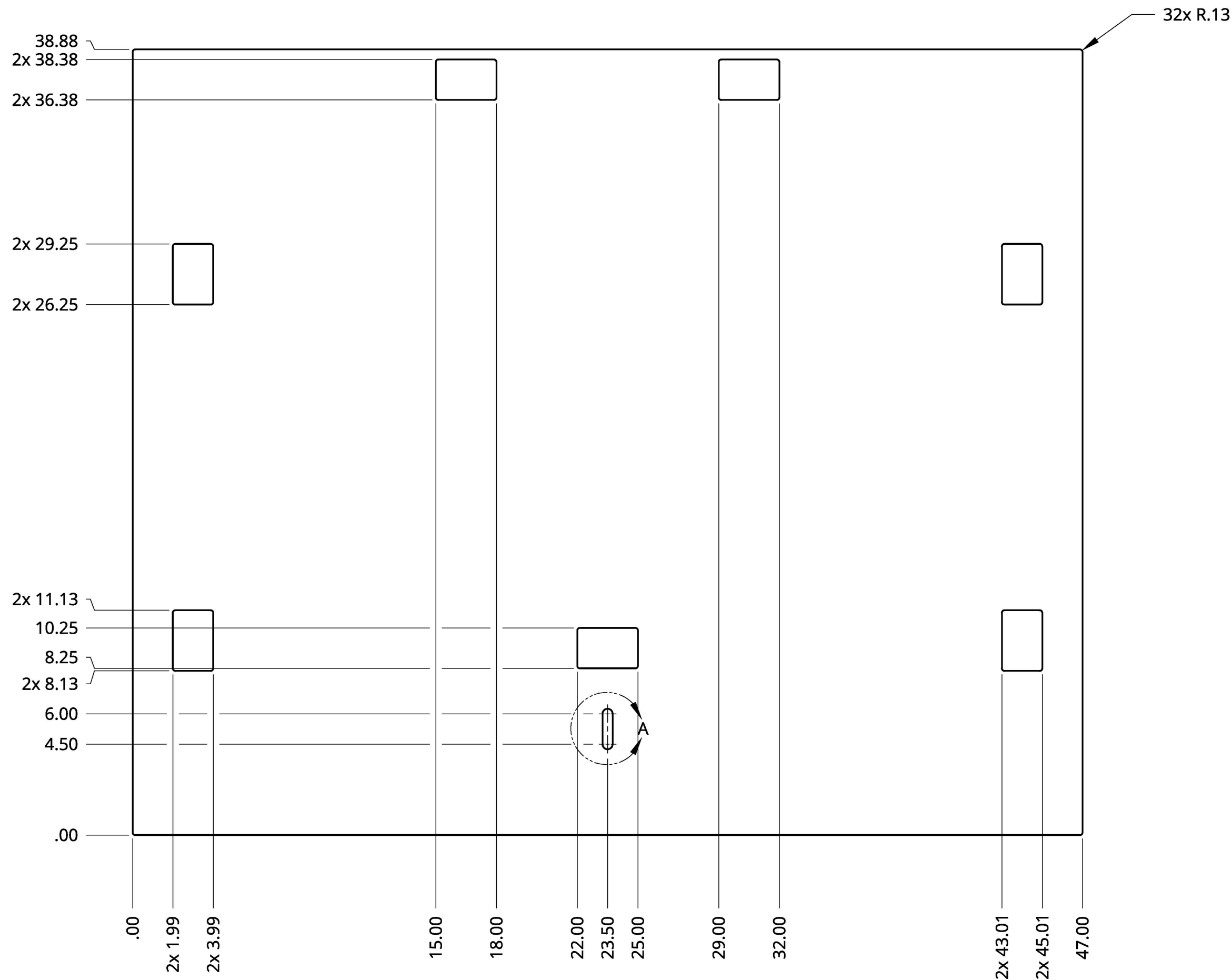
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE				
	DRAWN	DF	10/15/2025				
DO NOT SCALE DRAWING	MATERIAL 1/4" POLYCARBONATE, CLEAR			TITLE			
BREAK ALL SHARP EDGES AND REMOVE BURRS				HUB FRONT PANEL, BOTTOM			
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE	DWG NO.	REV.	
				C	GE-26328		
				SCALE	1:5	SHEET	1 of 1

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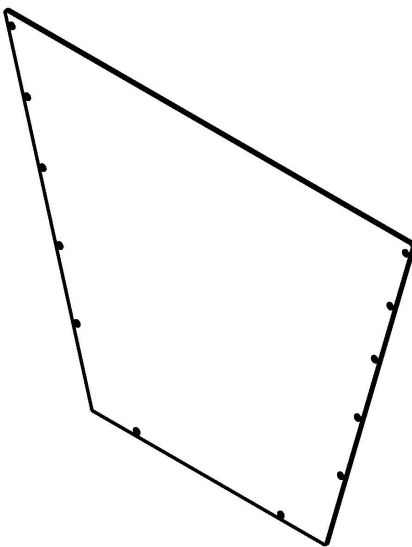
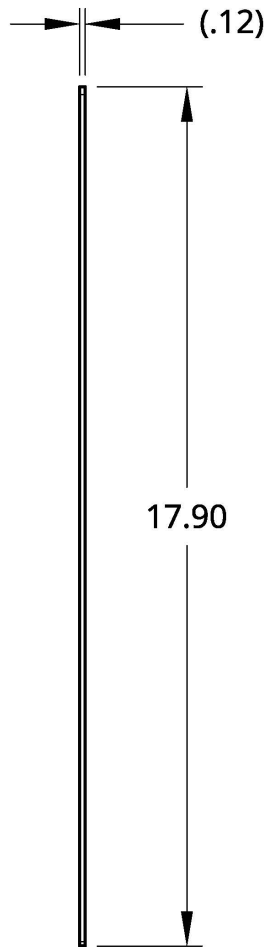
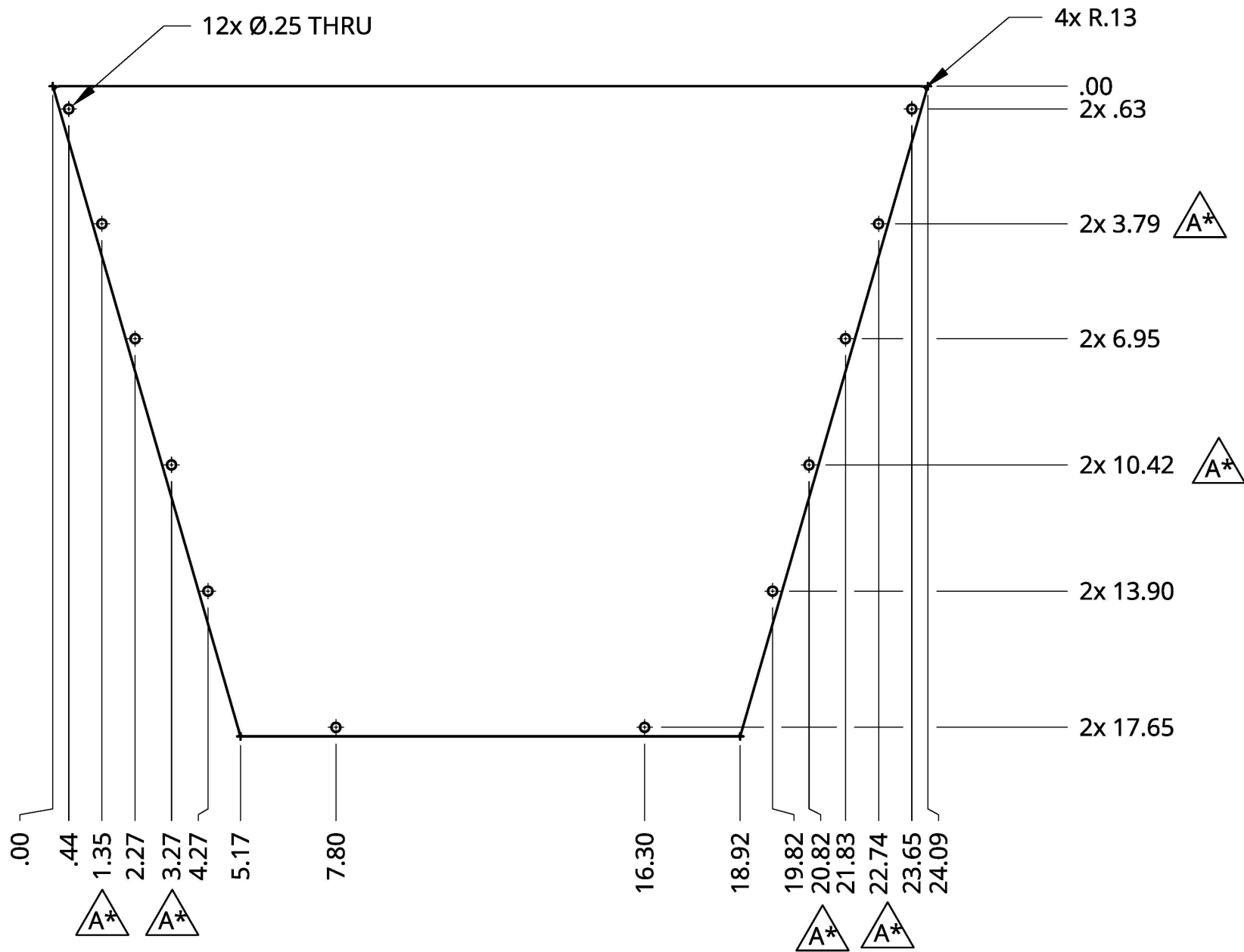
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SCALE 1:8

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE		
	DRAWN	DF	10/15/2025		
	MATERIAL			TITLE	
DO NOT SCALE DRAWING	1/8" POLYCARBONATE, CLEAR			HUB FUNNEL SIDE	
BREAK ALL SHARP EDGES AND REMOVE BURRS				SIZE C	DWG NO. GE-26329
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SCALE 1:4	REV. 1 of 1

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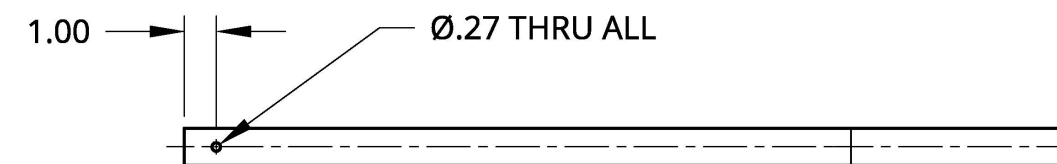
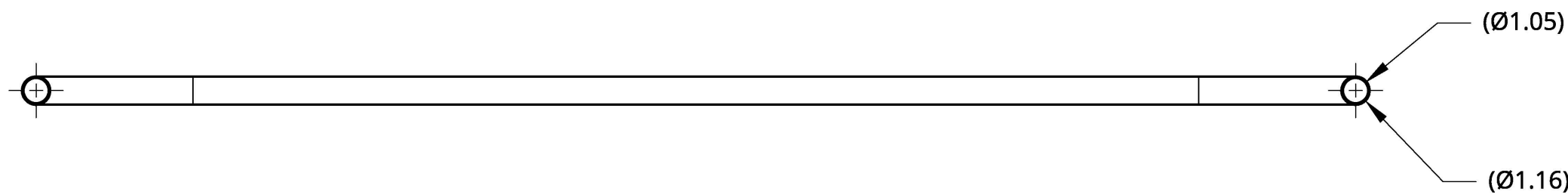
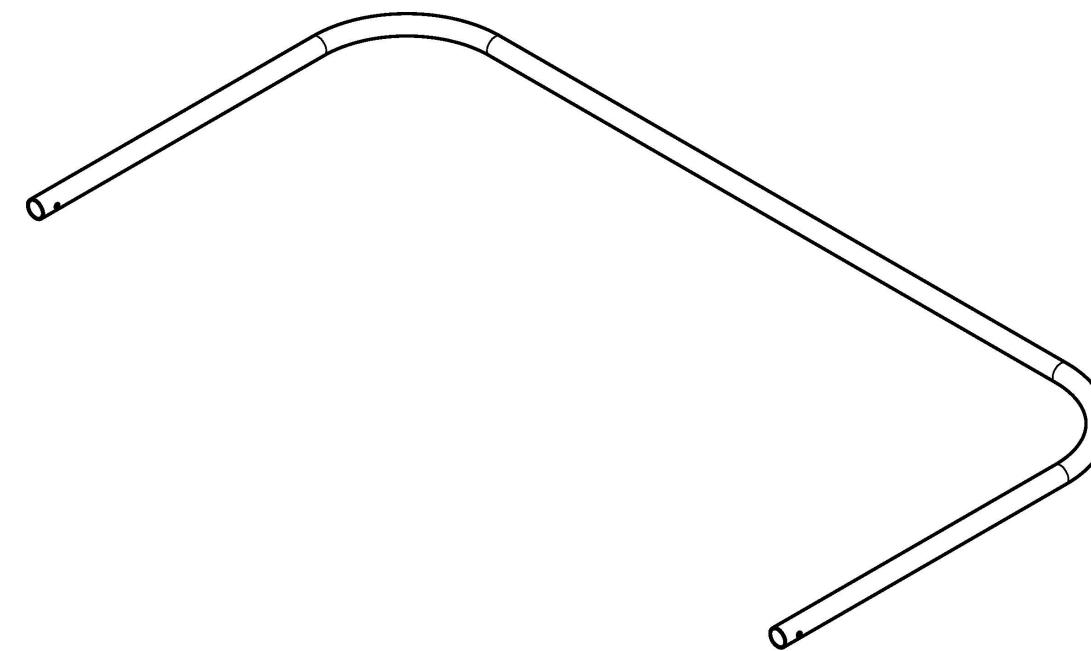
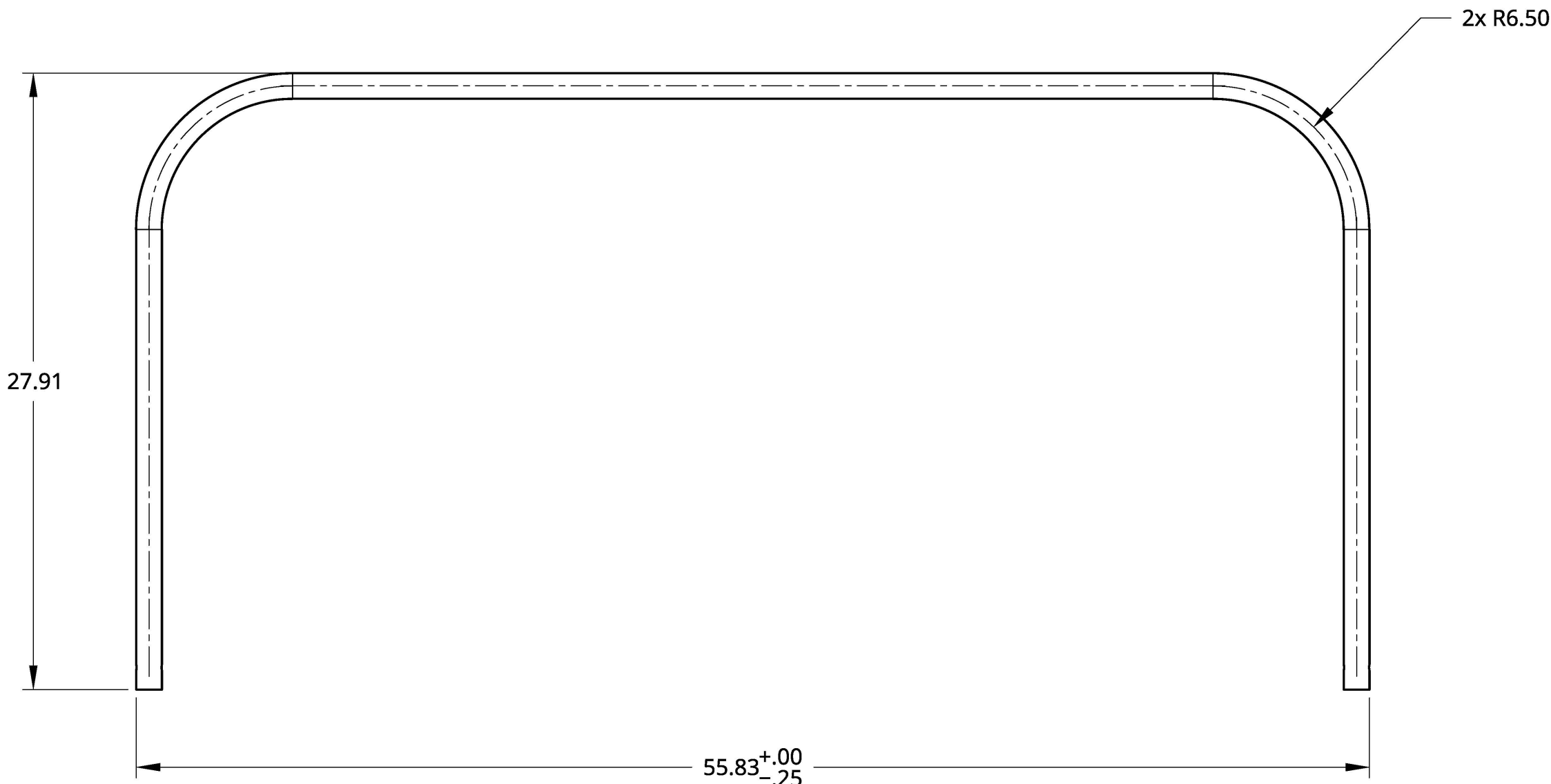
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	BEND	NAME	DATE			
	DRAWN	DF	10/15/2025			
DO NOT SCALE DRAWING	MATERIAL 1" EMT CONDUIT, GALVANIZED STEEL			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				HUB NET POLE, BOTTOM		
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE	DWG NO.	REV.
				C	GE-26330	
	SCALE		1:6	SHEET	1 of 1	

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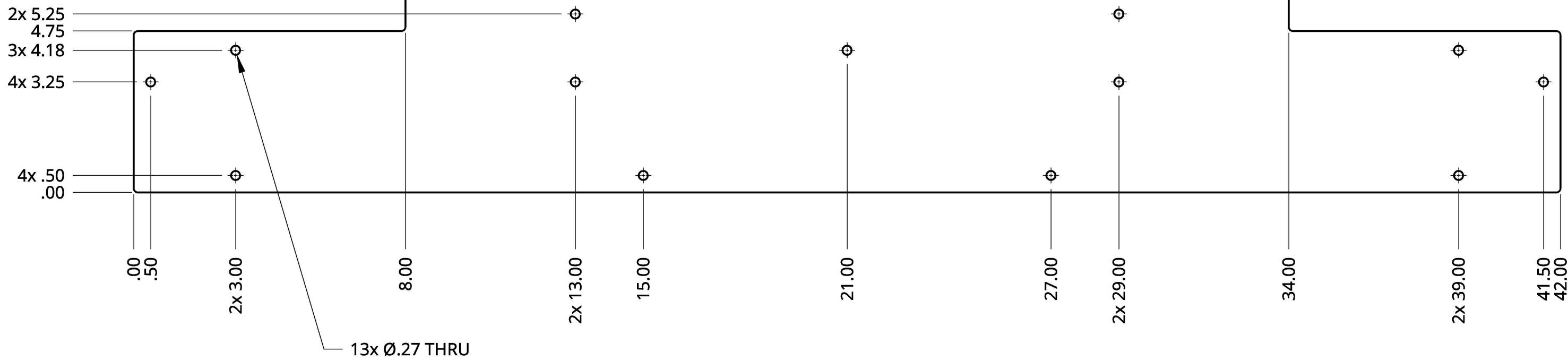
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE			
	DRAWN	DF	10/15/2025			
DO NOT SCALE DRAWING	MATERIAL 1/4" HDPE, ORANGE PEEL TEXTURE, WHITE			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				HUB INTERNAL WALL		
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF <i>FIRST</i> ®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF <i>FIRST</i> ® IS PROHIBITED.				SIZE	DWG NO.	REV.
				C	GE-26331	
				SCALE	1:3	SHEET 1 of 1

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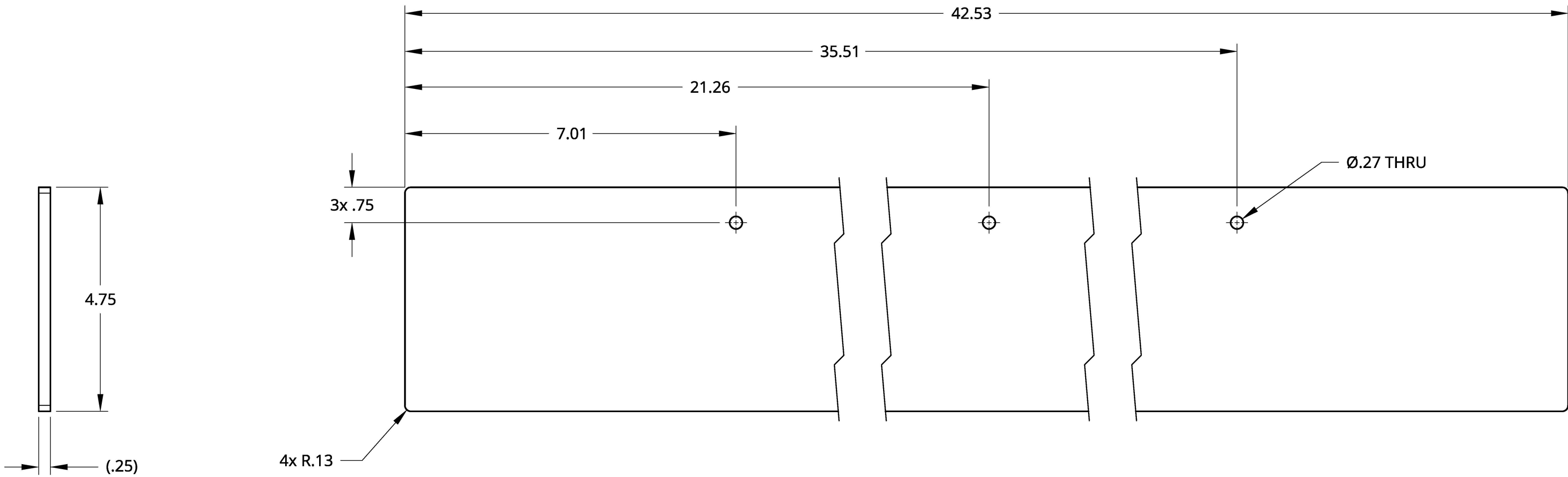
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES XX = ±.01 ANGULAR = ± 1° XXX = ±.005	VEND	NAME	DATE			
	DRAWN	DF	10/15/2025			
DO NOT SCALE DRAWING	MATERIAL 1/4" HDPE, ORANGE PEEL TEXTURE, WHITE			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				HUB RAMP, SMALL		
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE	DWG NO.	REV.
				C SCALE	GE-26332	
	1:2			SHEET	1 of 1	

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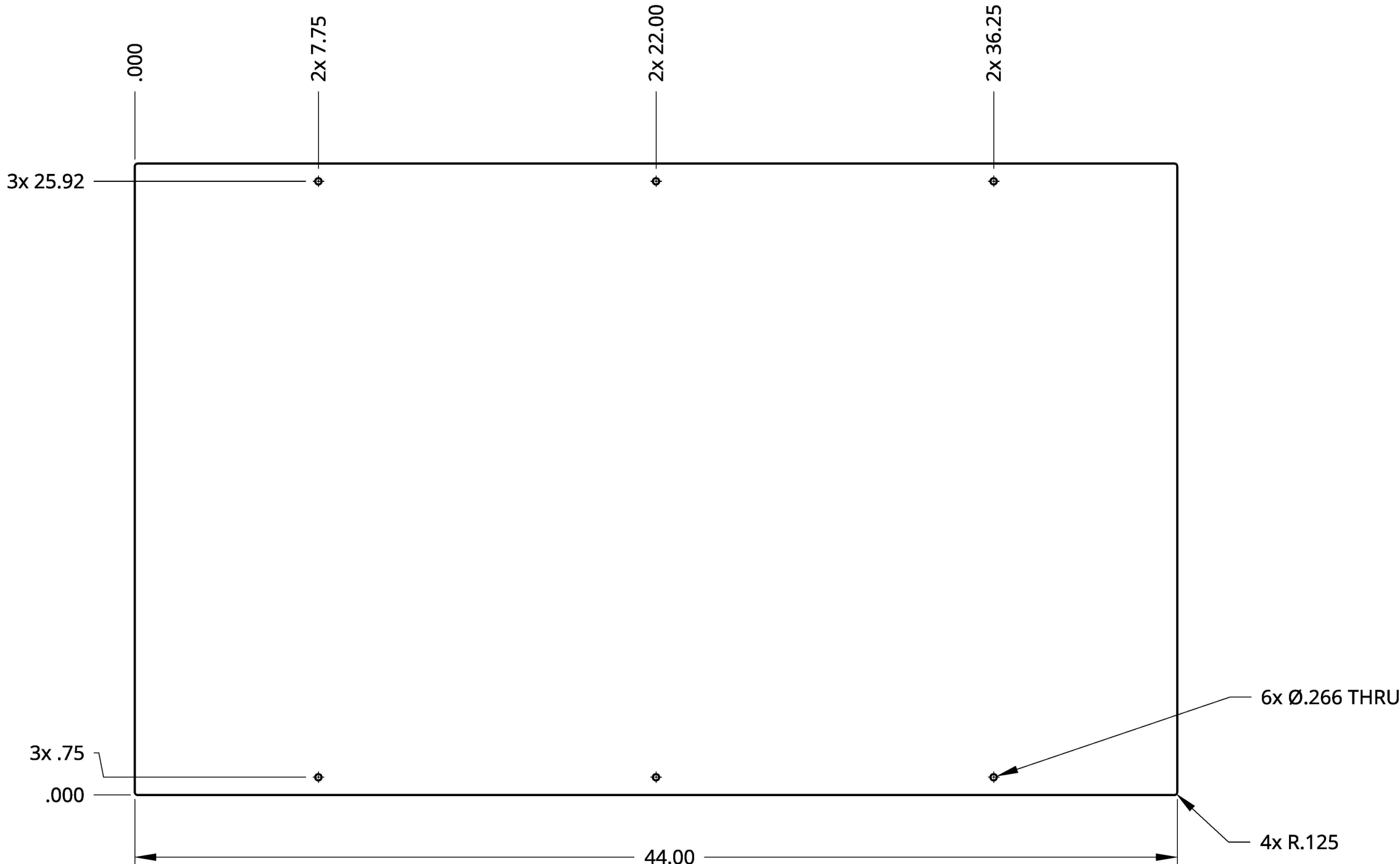
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE			
	DRAWN	DF	10/15/2025			
DO NOT SCALE DRAWING	MATERIAL 1/4" HDPE, ORANGE PEEL TEXTURE, WHITE			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				HUB RAMP, LARGE		
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE C	DWG NO. GE-26333	REV.
				SCALE 1:5	SHEET 1 of 1	

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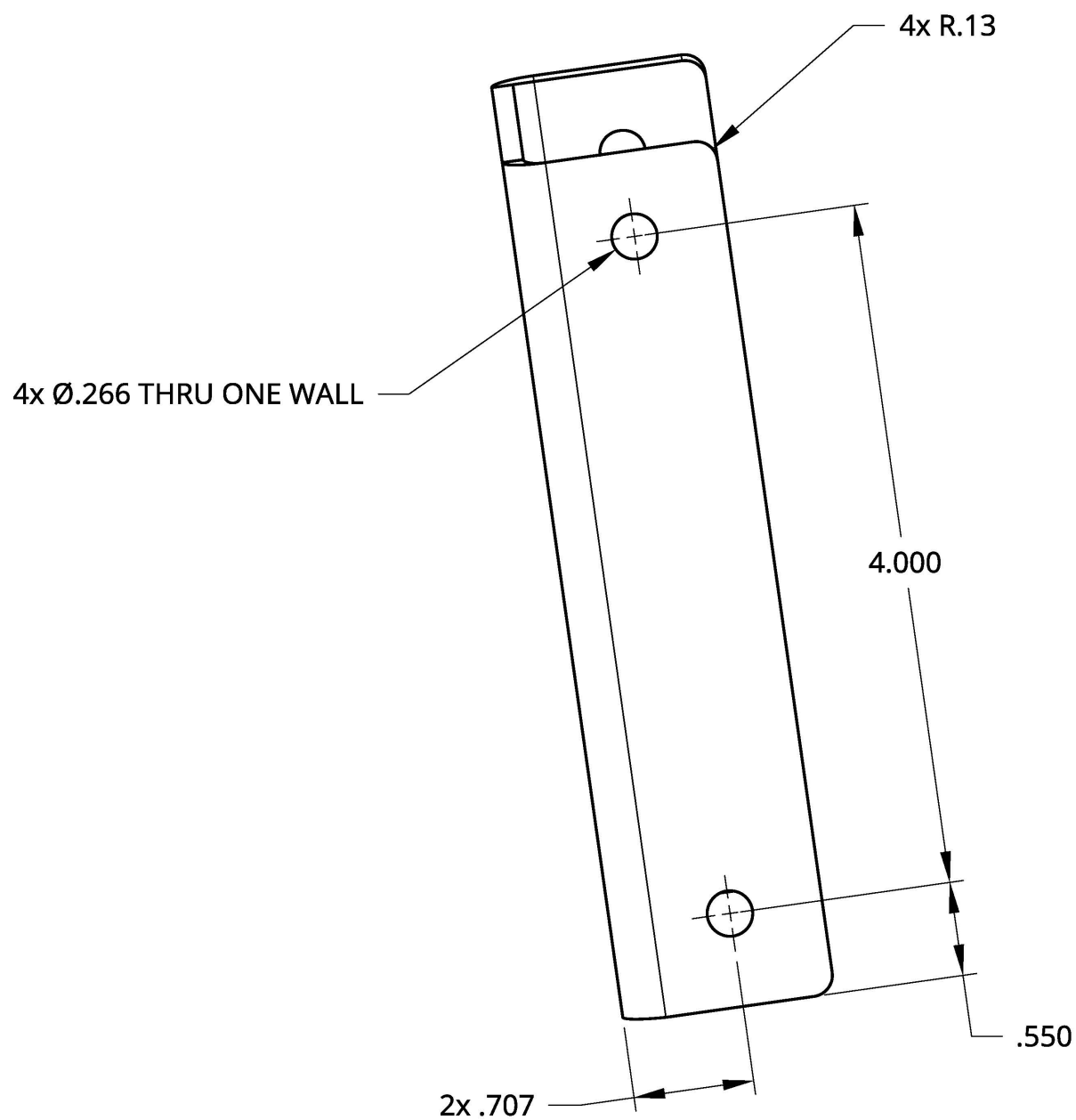
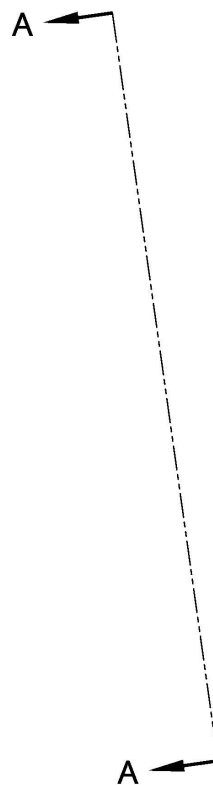
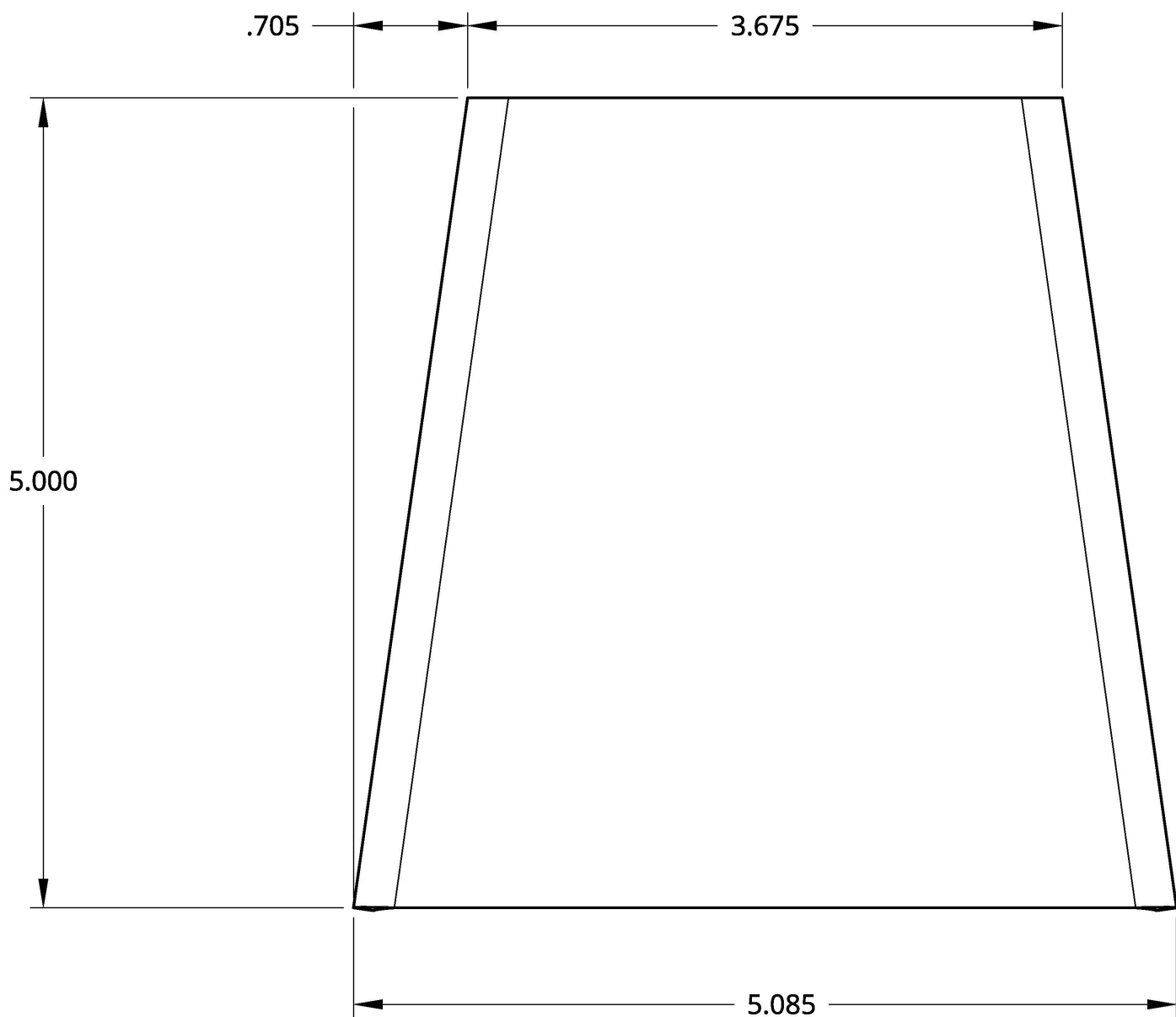
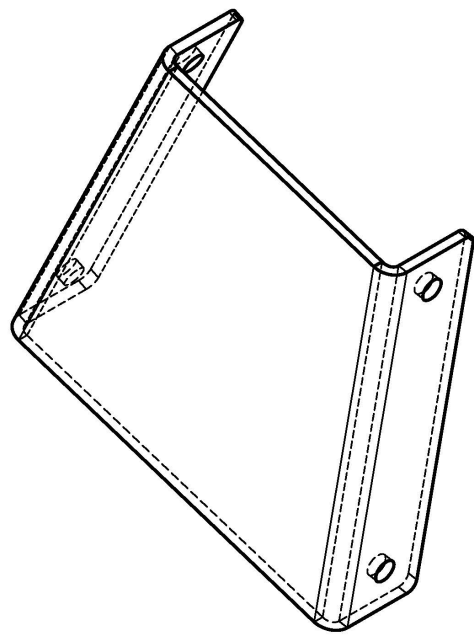
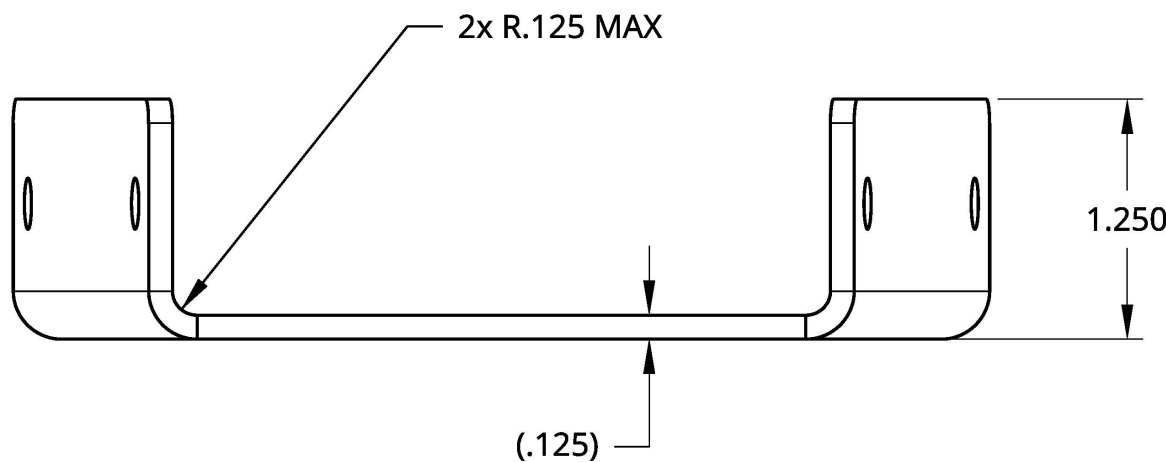
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Auxiliary A - A
Dims TYP for both flanges

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	BEND	NAME	DATE			
	DRAWN	DF	09/30/2025			
DO NOT SCALE DRAWING	MATERIAL 1/8" 5052 ALUMINUM SHEET			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				HUB POLE CONNECTOR BRACKET		
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®, ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE	DWG NO.	REV.
				C	GE-26334	
	SCALE	1:1		SHEET	1 of 1	

D

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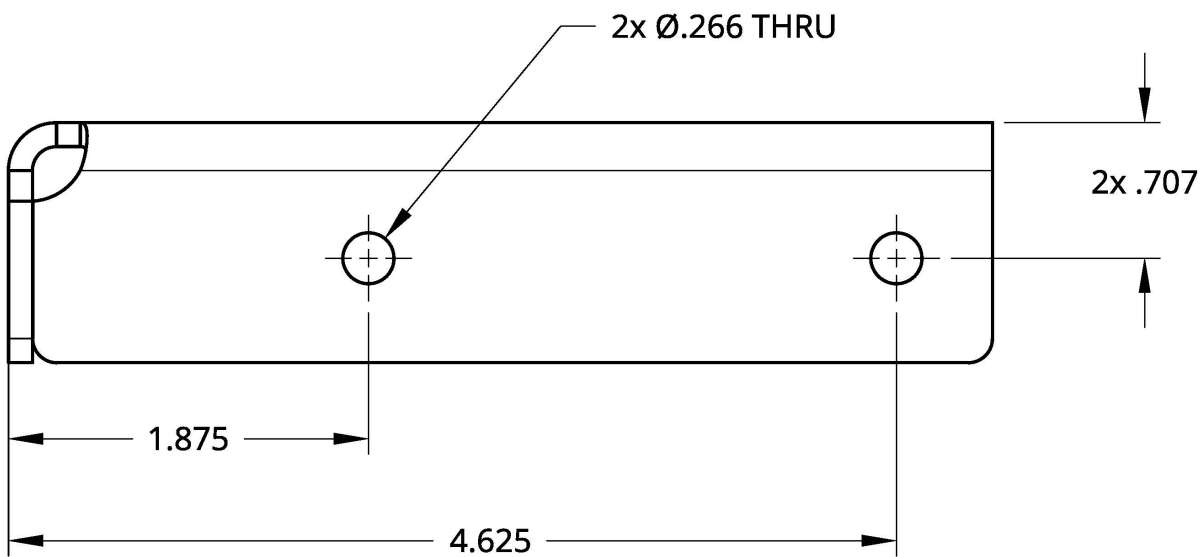
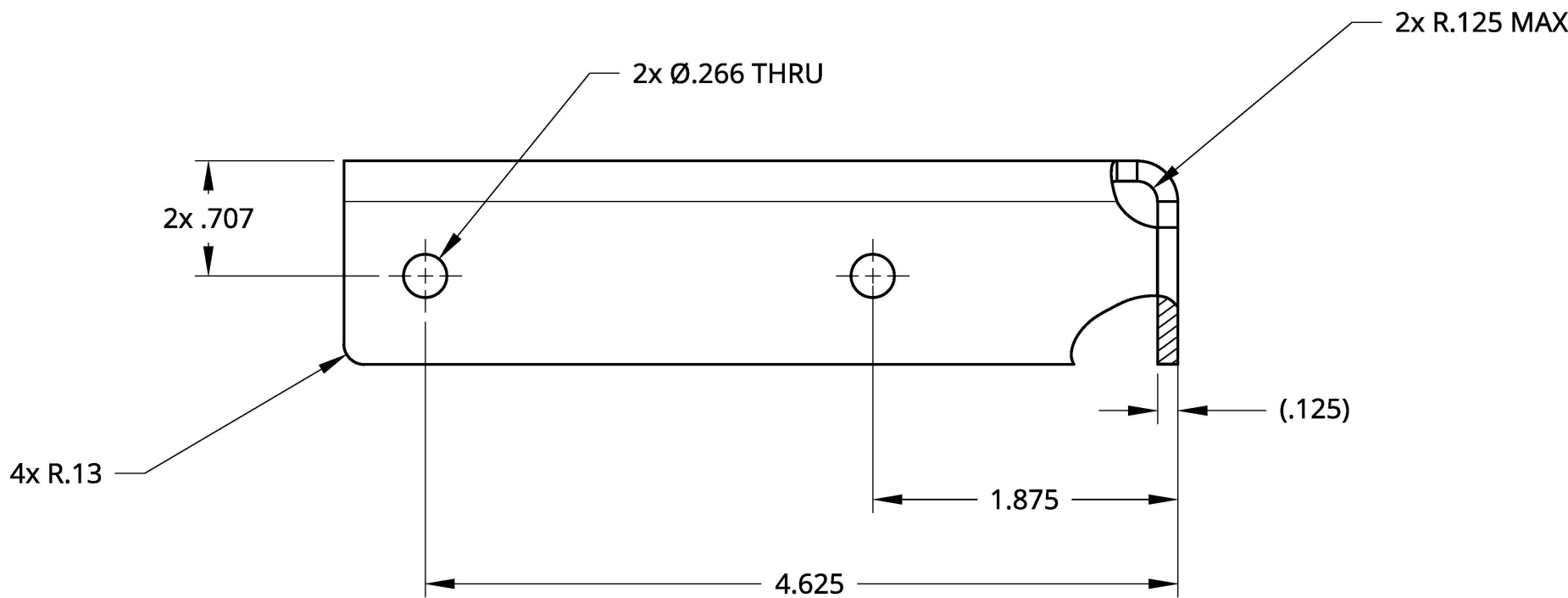
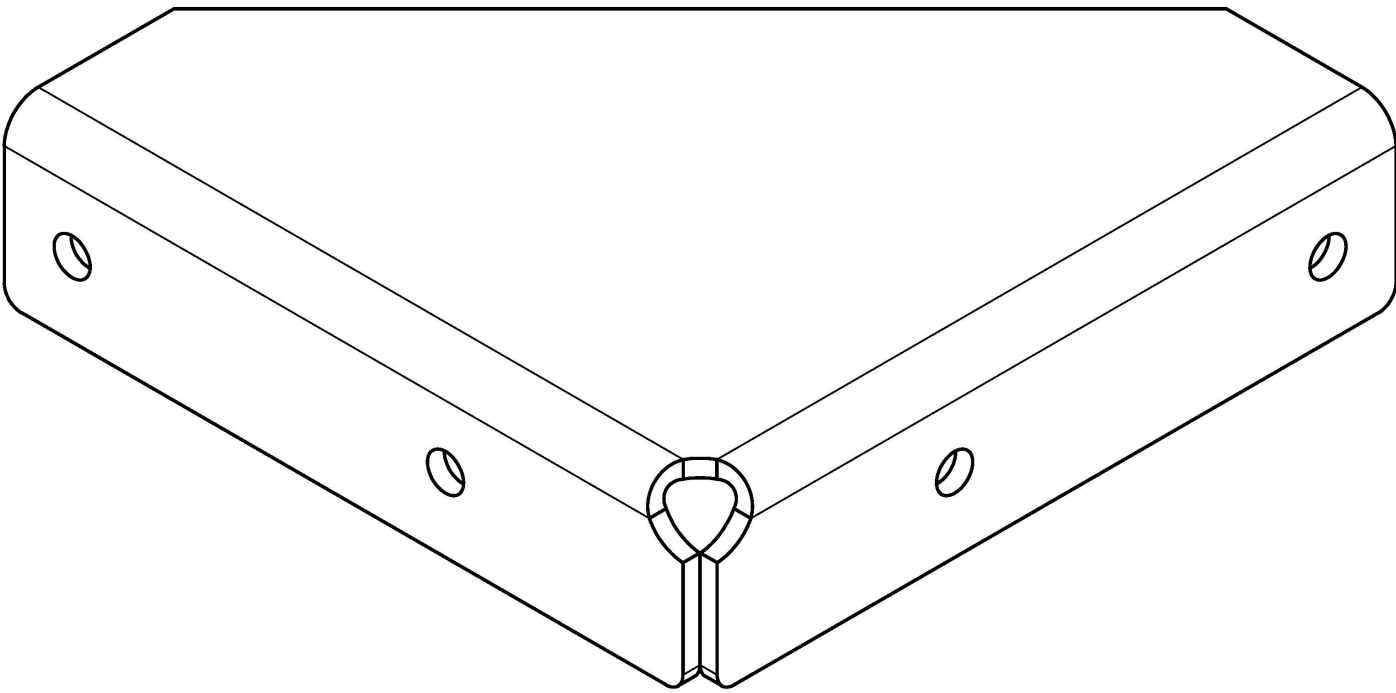
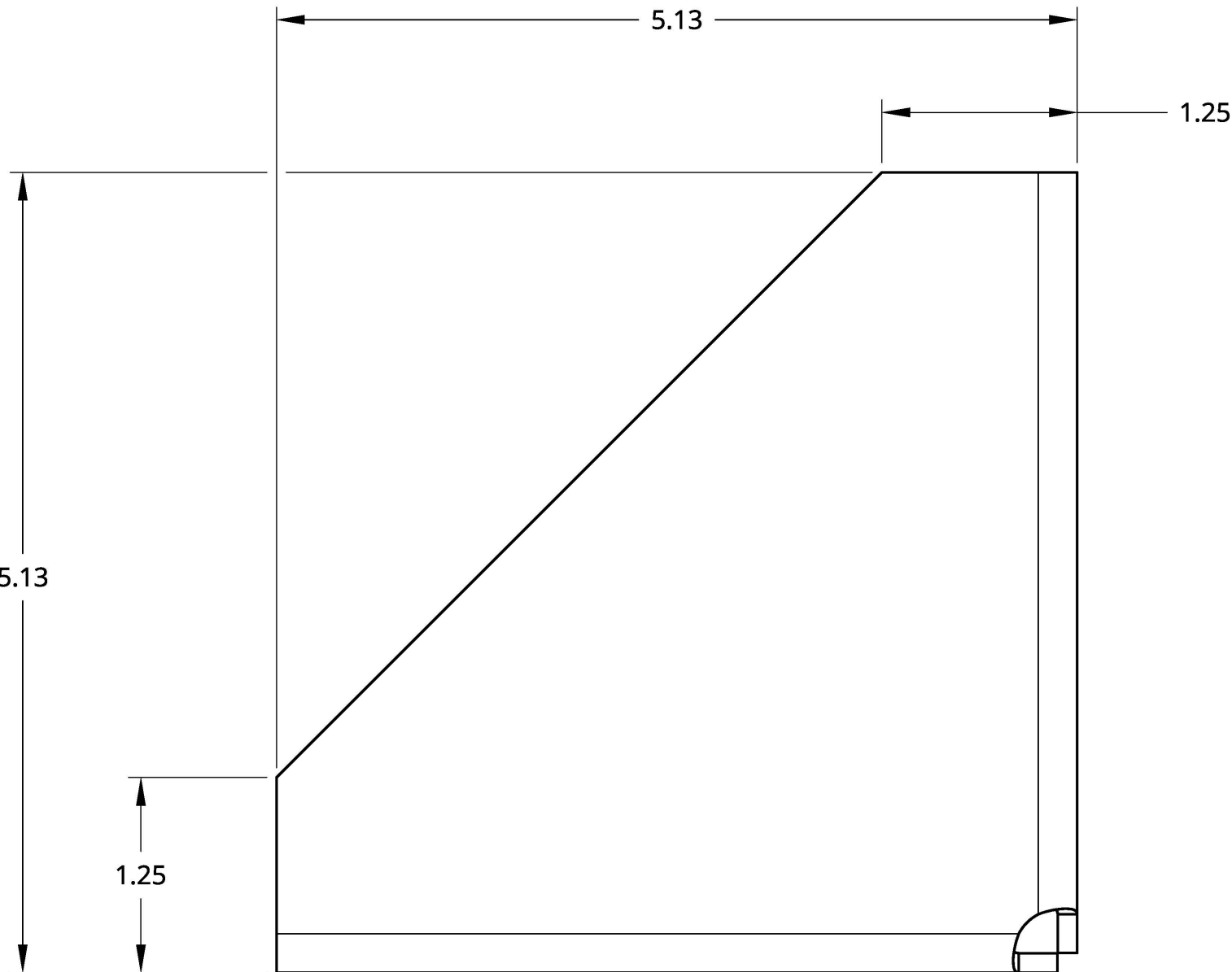
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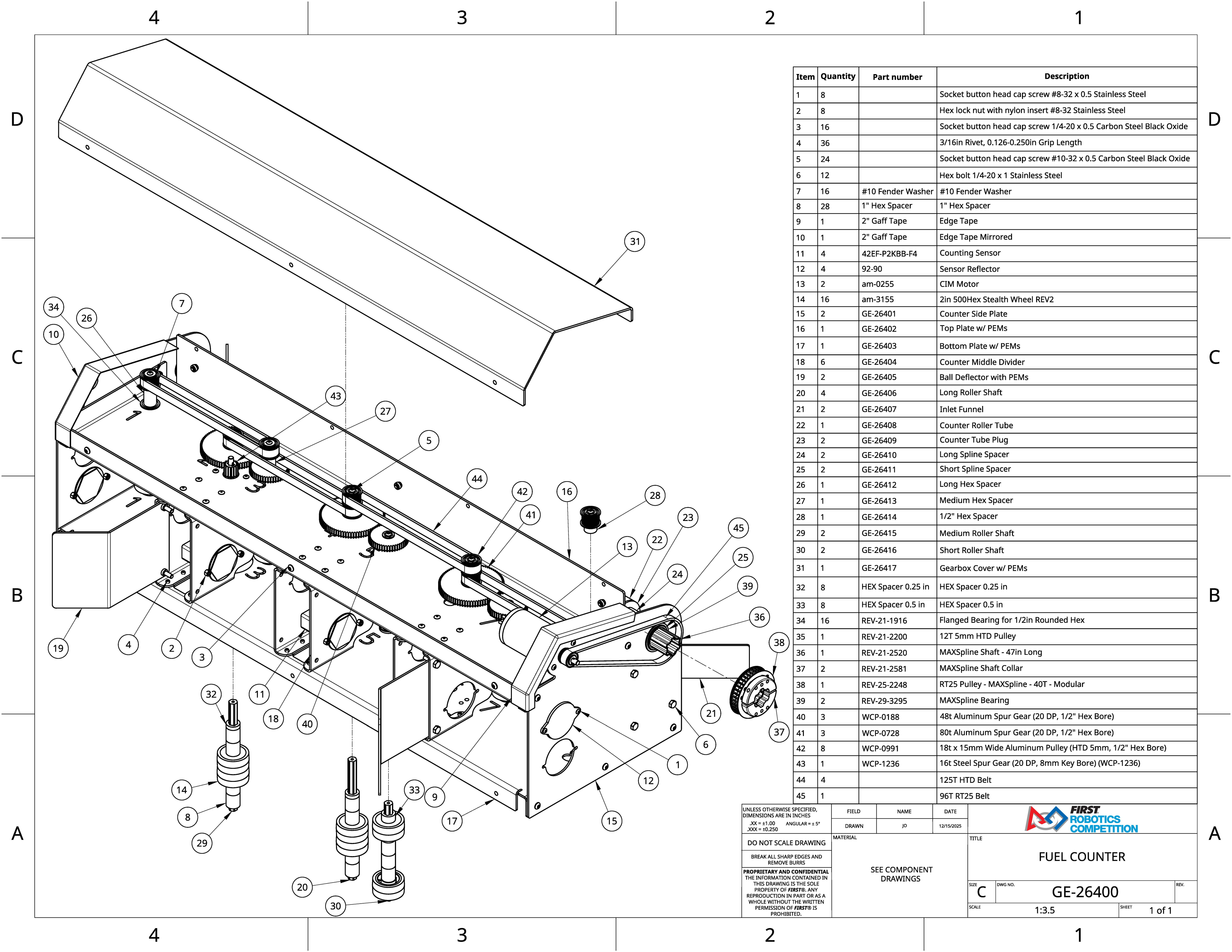
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE			
	DRAWN	DF	09/30/2025			
DO NOT SCALE DRAWING	MATERIAL 1/8" 5052 ALUMINUM SHEET			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				HUB POLE CORNER BRACE		
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE C	DWG NO. GE-26335	REV.
				SCALE 1:1		SHEET 1 of 1

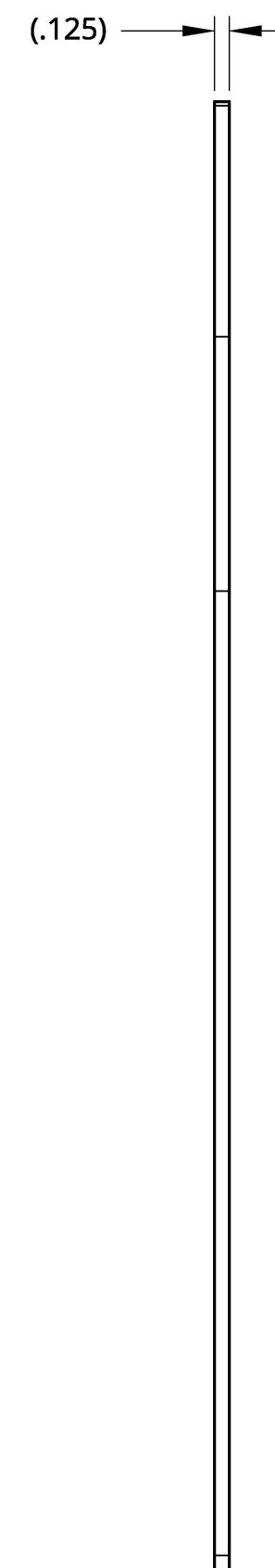


Item	Quantity	Part number	Description
1	8		Socket button head cap screw #8-32 x 0.5 Stainless Steel
2	8		Hex lock nut with nylon insert #8-32 Stainless Steel
3	16		Socket button head cap screw 1/4-20 x 0.5 Carbon Steel Black Oxide
4	36		3/16in Rivet, 0.126-0.250in Grip Length
5	24		Socket button head cap screw #10-32 x 0.5 Carbon Steel Black Oxide
6	12		Hex bolt 1/4-20 x 1 Stainless Steel
7	16	#10 Fender Washer	#10 Fender Washer
8	28	1" Hex Spacer	1" Hex Spacer
9	1	2" Gaff Tape	Edge Tape
10	1	2" Gaff Tape	Edge Tape Mirrored
11	4	42EF-P2KBB-F4	Counting Sensor
12	4	92-90	Sensor Reflector
13	2	am-0255	CIM Motor
14	16	am-3155	2in 500Hex Stealth Wheel REV2
15	2	GE-26401	Counter Side Plate
16	1	GE-26402	Top Plate w/ PEMs
17	1	GE-26403	Bottom Plate w/ PEMs
18	6	GE-26404	Counter Middle Divider
19	2	GE-26405	Ball Deflector with PEMs
20	4	GE-26406	Long Roller Shaft
21	2	GE-26407	Inlet Funnel
22	1	GE-26408	Counter Roller Tube
23	2	GE-26409	Counter Tube Plug
24	2	GE-26410	Long Spline Spacer
25	2	GE-26411	Short Spline Spacer
26	1	GE-26412	Long Hex Spacer
27	1	GE-26413	Medium Hex Spacer
28	1	GE-26414	1/2" Hex Spacer
29	2	GE-26415	Medium Roller Shaft
30	2	GE-26416	Short Roller Shaft
31	1	GE-26417	Gearbox Cover w/ PEMs
32	8	HEX Spacer 0.25 in	HEX Spacer 0.25 in
33	8	HEX Spacer 0.5 in	HEX Spacer 0.5 in
34	16	REV-21-1916	Flanged Bearing for 1/2in Rounded Hex
35	1	REV-21-2200	12T 5mm HTD Pulley
36	1	REV-21-2520	MAXSpline Shaft - 47in Long
37	2	REV-21-2581	MAXSpline Shaft Collar
38	1	REV-25-2248	RT25 Pulley - MAXSpline - 40T - Modular
39	2	REV-29-3295	MAXSpline Bearing
40	3	WCP-0188	48t Aluminum Spur Gear (20 DP, 1/2" Hex Bore)
41	3	WCP-0728	80t Aluminum Spur Gear (20 DP, 1/2" Hex Bore)
42	8	WCP-0991	18t x 15mm Wide Aluminum Pulley (HTD 5mm, 1/2" Hex Bore)
43	1	WCP-1236	16t Steel Spur Gear (20 DP, 8mm Key Bore) (WCP-1236)
44	4		125T HTD Belt
45	1		96T RT25 Belt

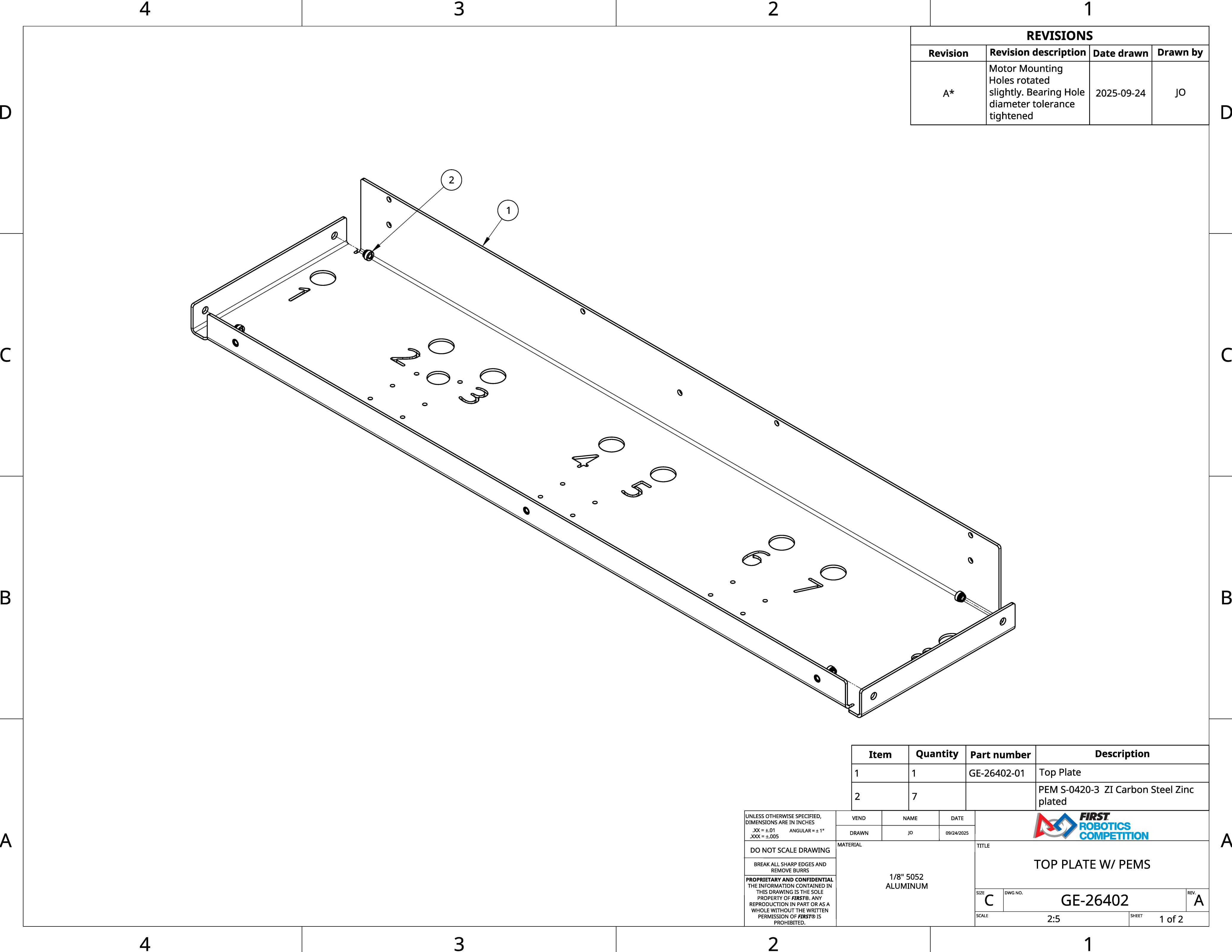
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	DRAWN	JO	12/15/2025	
	MATERIAL <			

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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES XX = ±.01 ANGULAR = ± 1° XXX = ±.005	VEND	NAME	DATE						
	DRAWN	JO	09/24/2025						
DO NOT SCALE DRAWING	MATERIAL 1/8" 5052 ALUMINUM			TITLE COUNTER SIDE PLATE					
BREAK ALL SHARP EDGES AND REMOVE BURRS				SIZE C			DWG NO. GE-26401		REV.
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.									



REVISIONS			
Revision	Revision description	Date drawn	Drawn by
A*	Motor Mounting Holes rotated slightly. Bearing Hole diameter tolerance tightened	2025-09-24	JO

Item	Quantity	Part number	Description
1	1	GE-26402-01	Top Plate
2	7		PEM S-0420-3 ZI Carbon Steel Zinc plated

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES
.XX = ±.01 ANGULAR = ± 1°
.XXX = ±.005

DO NOT SCALE DRAWING

BREAK ALL SHARP EDGES AND REMOVE BURRS

PROPRIETARY AND CONFIDENTIAL
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VEND

NAME

DATE

DRAWN

JO

09/24/2025

MATERIAL

1/8" 5052 ALUMINUM

TITLE

TOP PLATE W/ PEMS

SIZE

C

DWG NO.

GE-26402

REV.

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SCALE

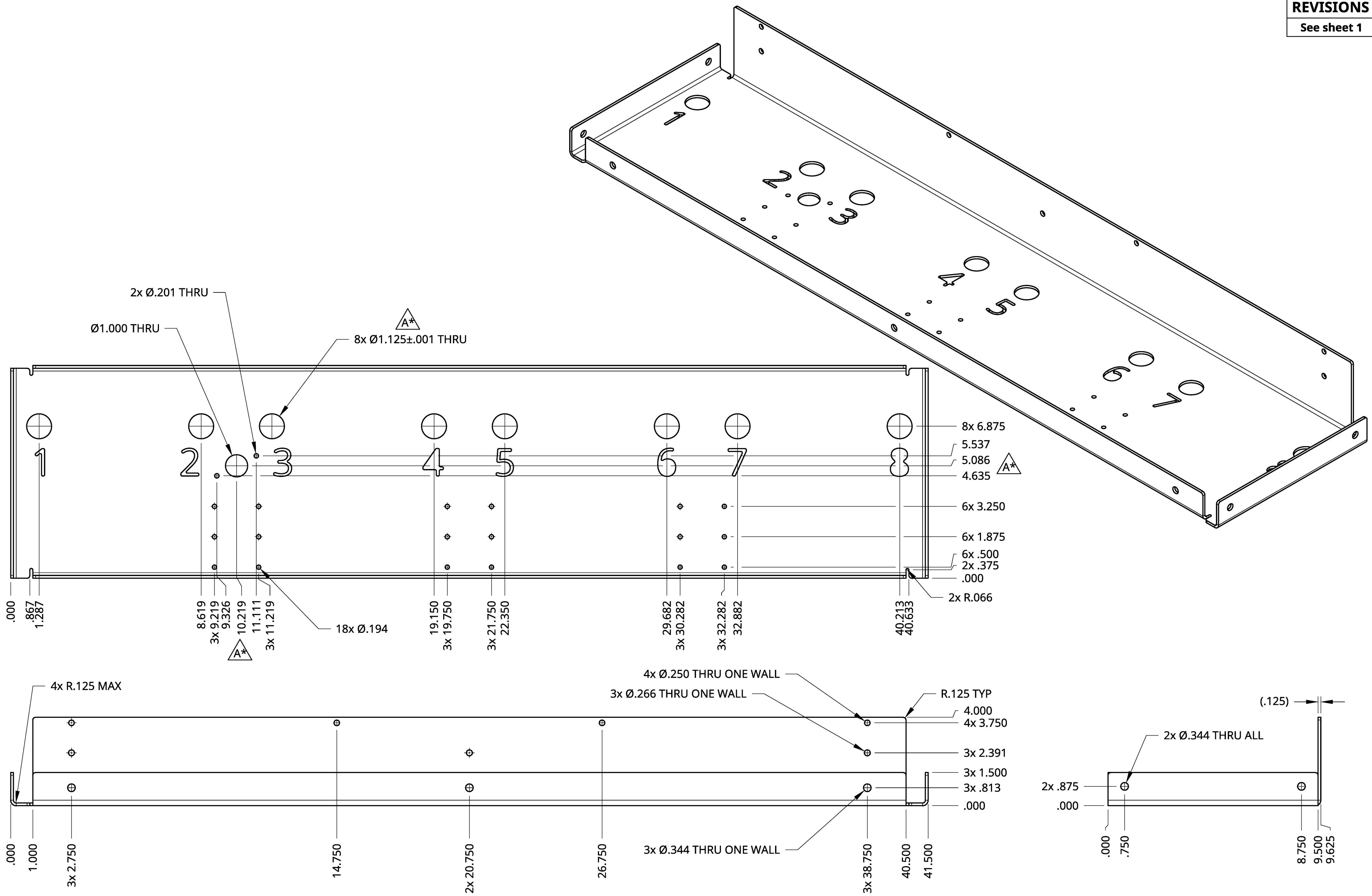
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SHEET

1 of 2



REVISIONS
See sheet 1



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEN	NAME	DATE			
	DRAWN	JO	09/24/2025			
DO NOT SCALE DRAWING	MATERIAL 1/8" 5052 ALUMINUM			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				TOP PLATE		
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST® . ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE	DWG NO.	REV.
				C	GE-26402-01	A
	SCALE	1:3	SHEET	2 of 2		

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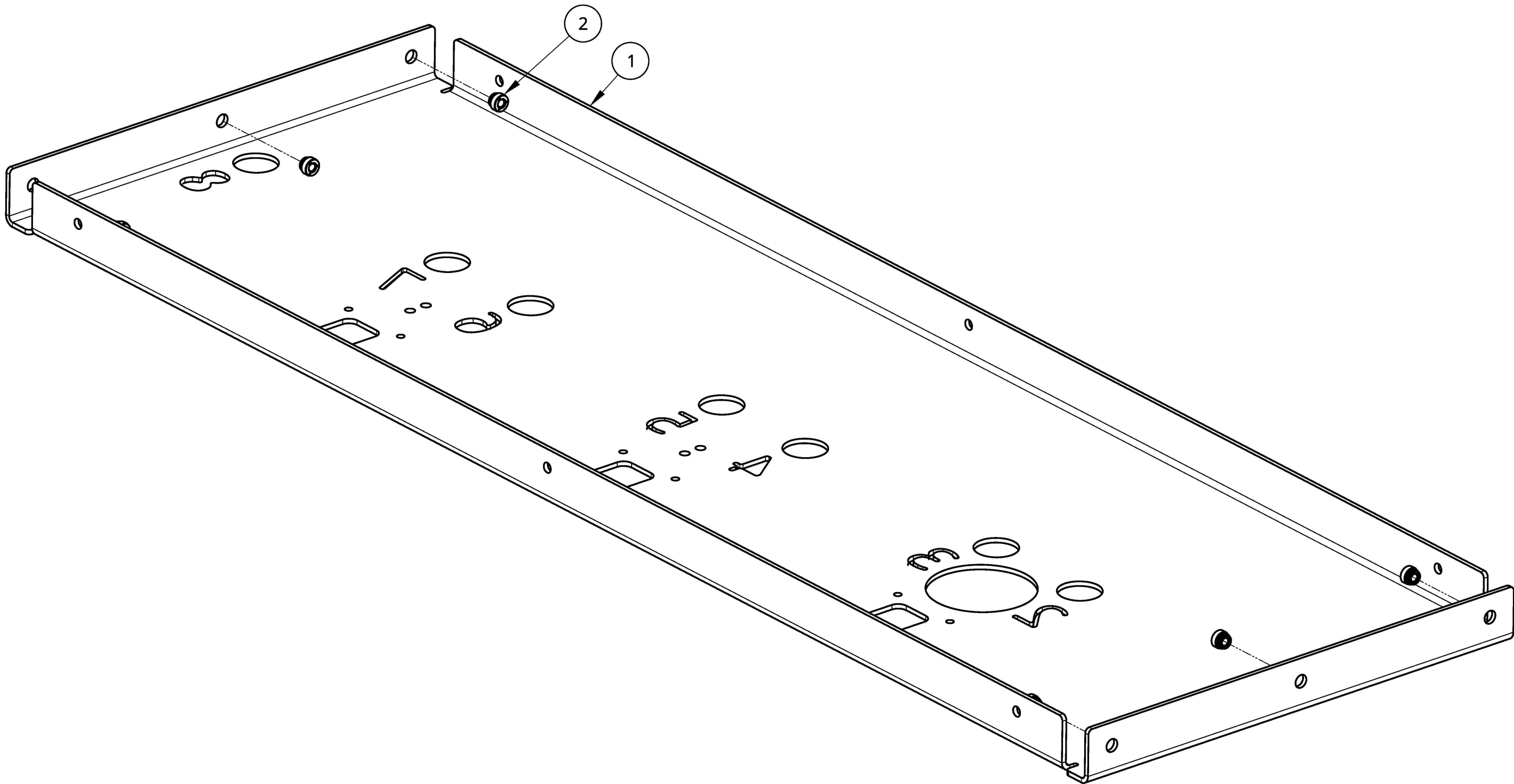
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REVISIONS			
Revision	Revision description	Date drawn	Drawn by
A*	Bearing hole tolerance tightened. Cable tie holes added.	2025-09-24	JO

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Item	Quantity	Part number	Description
1	1	GE-26403-01	Bottom Plate
2	6		PEM S-0420-3 ZI Carbon Steel Zinc plated

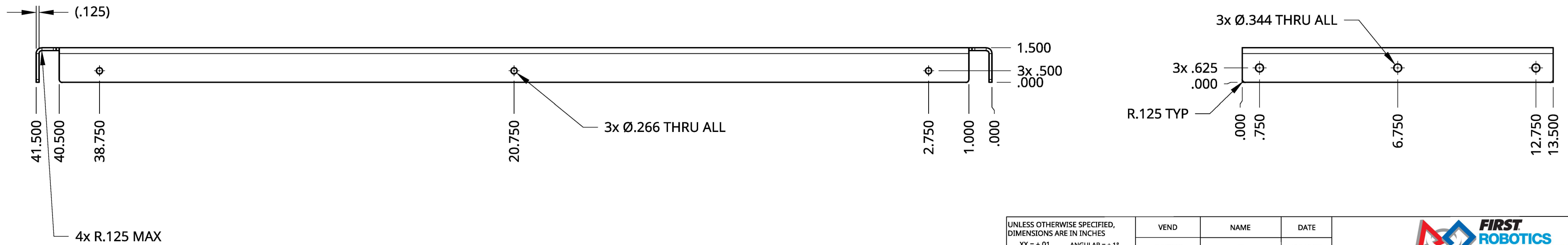
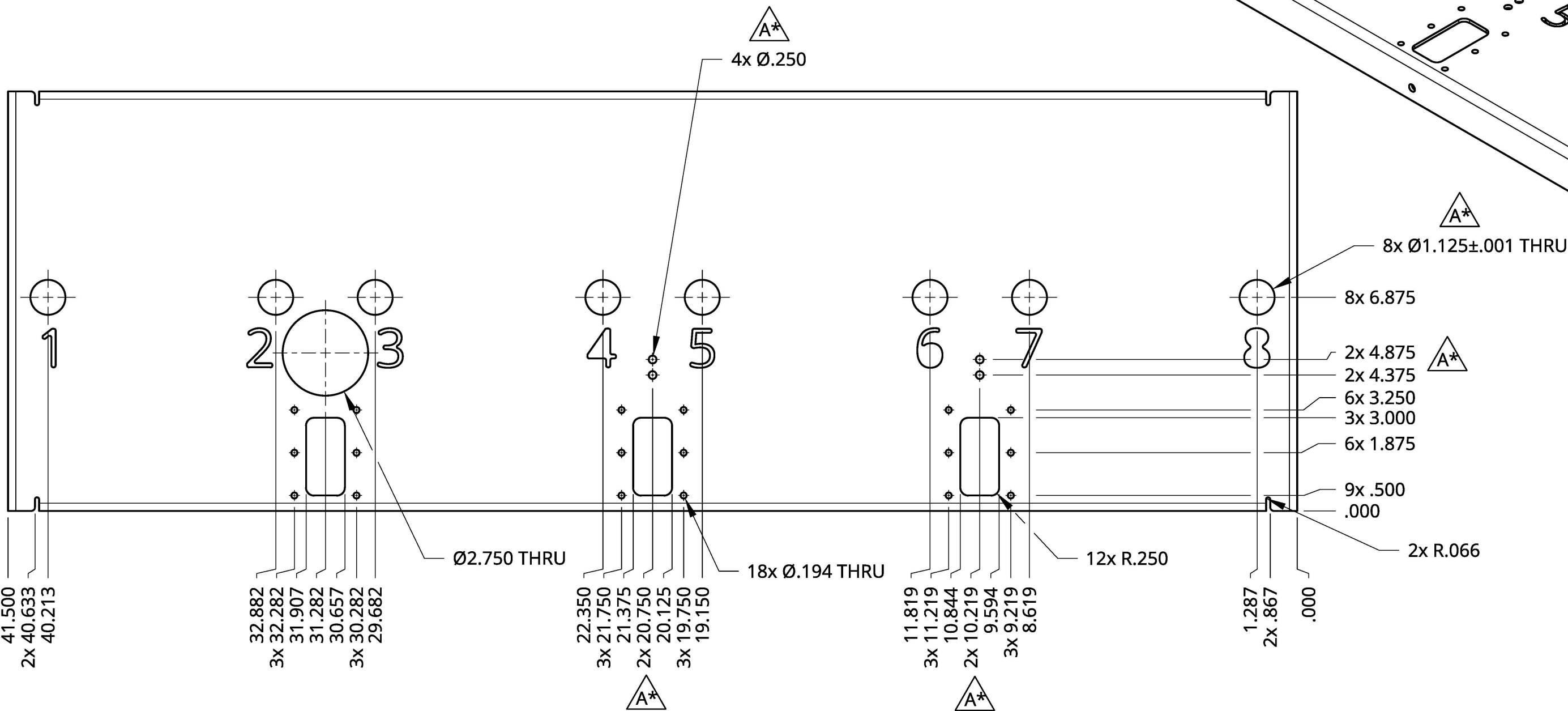
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005 DO NOT SCALE DRAWING BREAK ALL SHARP EDGES AND REMOVE BURRS PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF <i>FIRST</i> ®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF <i>FIRST</i> ® IS PROHIBITED.	VEND	NAME	DATE		
	DRAWN	JO	09/24/2025		
	MATERIAL			TITLE	
	1/8" 5052 ALUMINUM			BOTTOM PLATE W/ PEMs	
SIZE		DWG NO.			REV.
C		GE-26403			A
SCALE		2:5			SHEET 1 of 2

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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES XX = ±.01 ANGULAR = ± 1° XXX = ±.005	VEND	NAME	DATE			
	DRAWN	JO	09/24/2025			
DO NOT SCALE DRAWING	MATERIAL 1/8" 5052 ALUMINUM			TITLE BOTTOM PLATE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				SIZE C	DWG NO. GE-26403-01	REV. A
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®, ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED				SCALE 1:3.5	SHEET 2 of 2	

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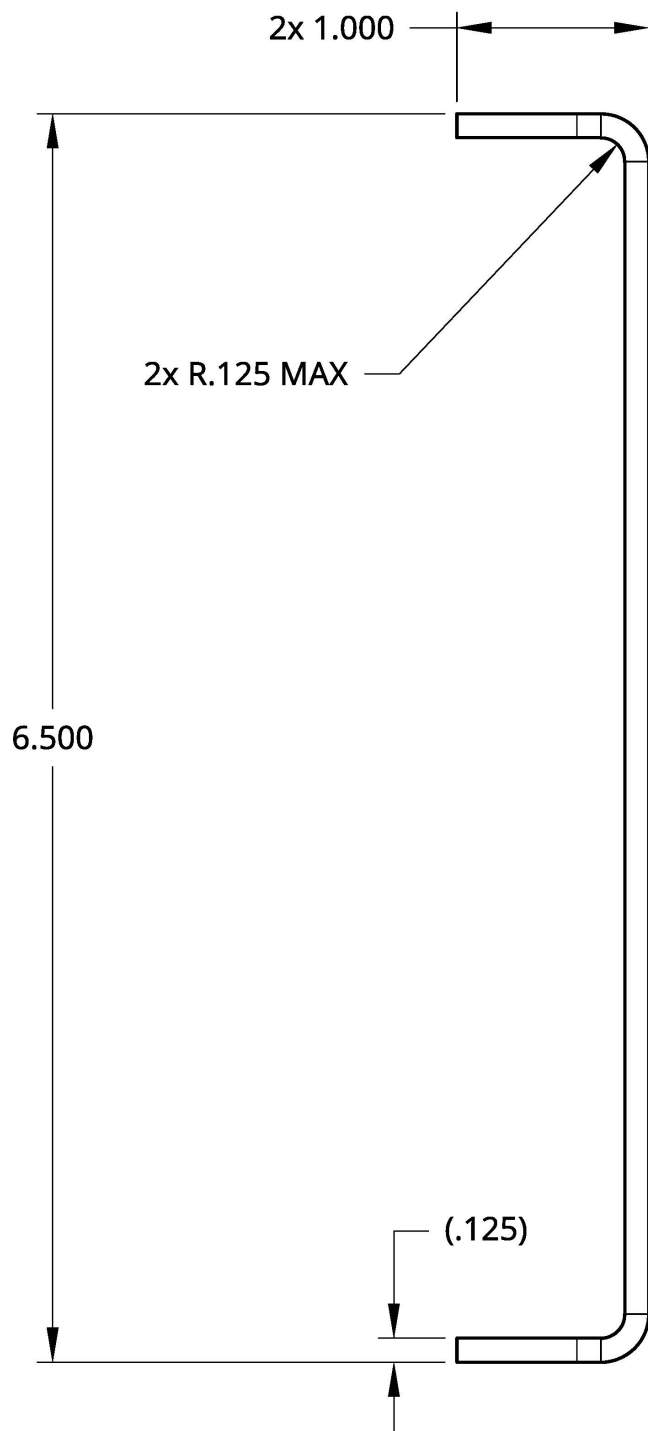
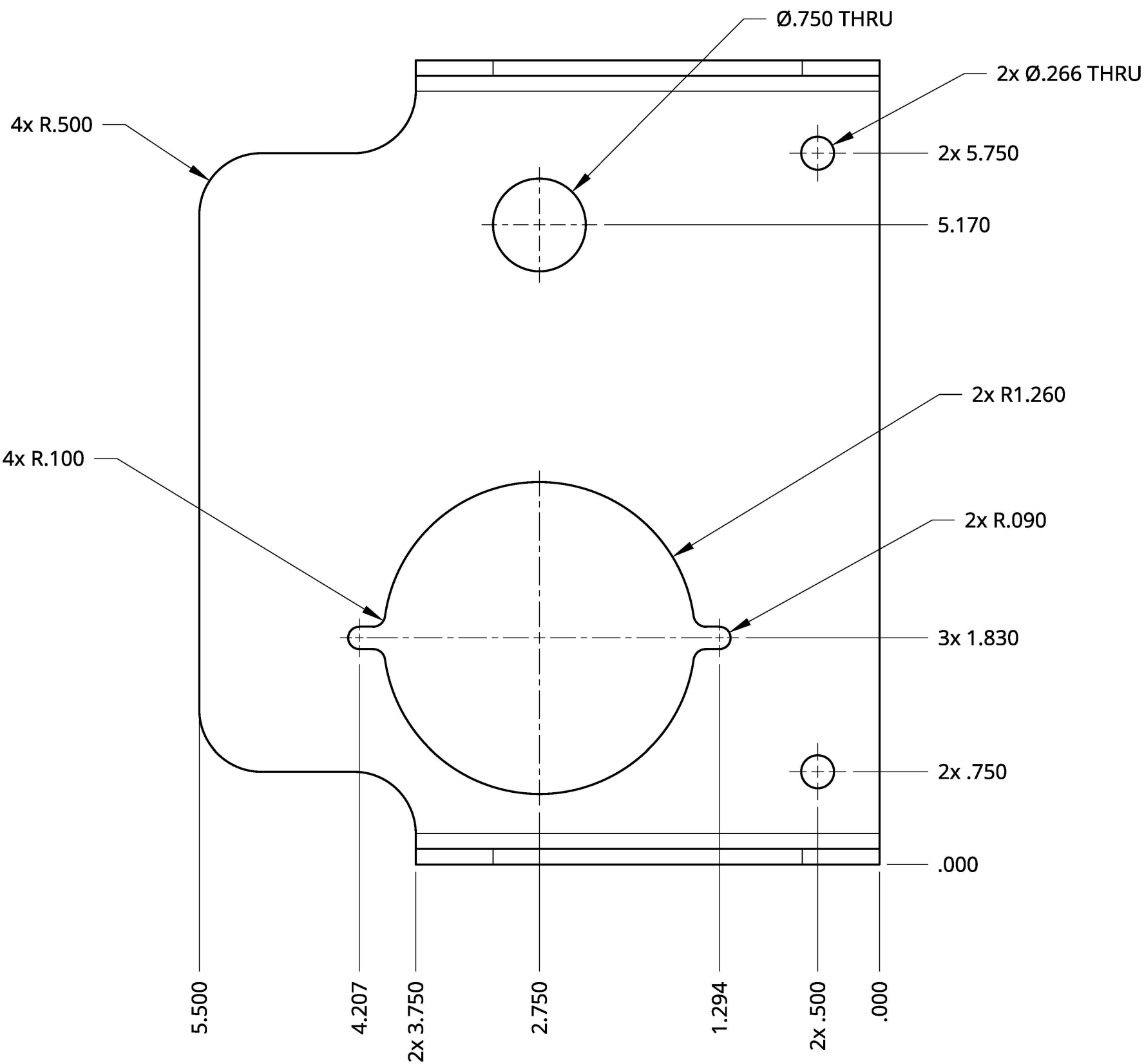
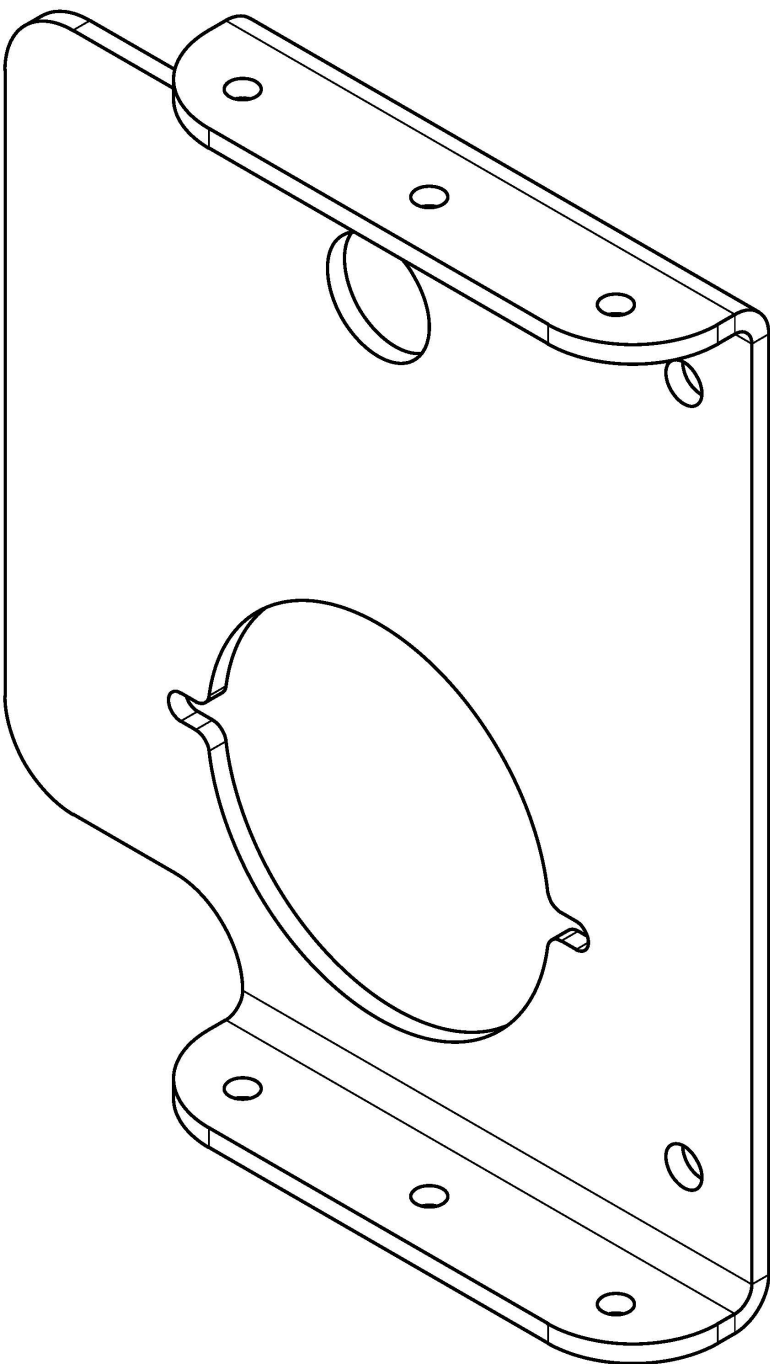
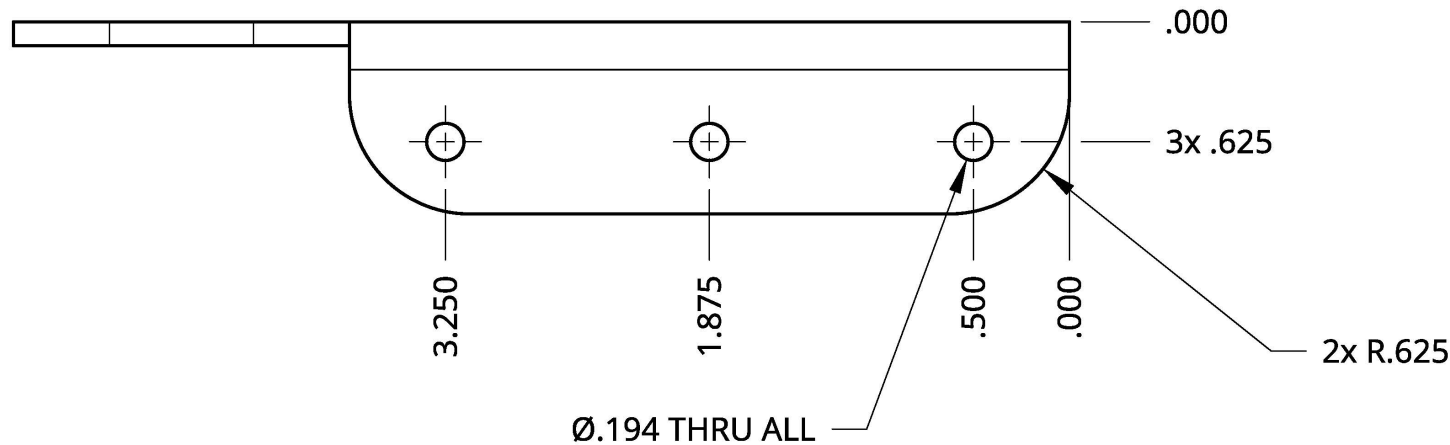
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UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES
.XX = ±.01 ANGULAR = ± 1°
.XXX = ±.005

DO NOT SCALE DRAWING

BREAK ALL SHARP EDGES AND
REMOVE BURRS

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN
THIS DRAWING IS THE SOLE
PROPERTY OF *FIRST®*. ANY
REPRODUCTION IN PART OR AS A
WHOLE WITHOUT THE WRITTEN
PERMISSION OF *FIRST®* IS
PROHIBITED.

BEND	NAME	DATE
DRAWN	JO	09/24/2025

MATERIAL

1/8" 5052
ALUMINUM



TITLE		
COUNTER MIDDLE DIVIDER		
SIZE	DWG NO.	REV.
C	GE-26404	
SCALE		SHEET
1:1		1 of 1

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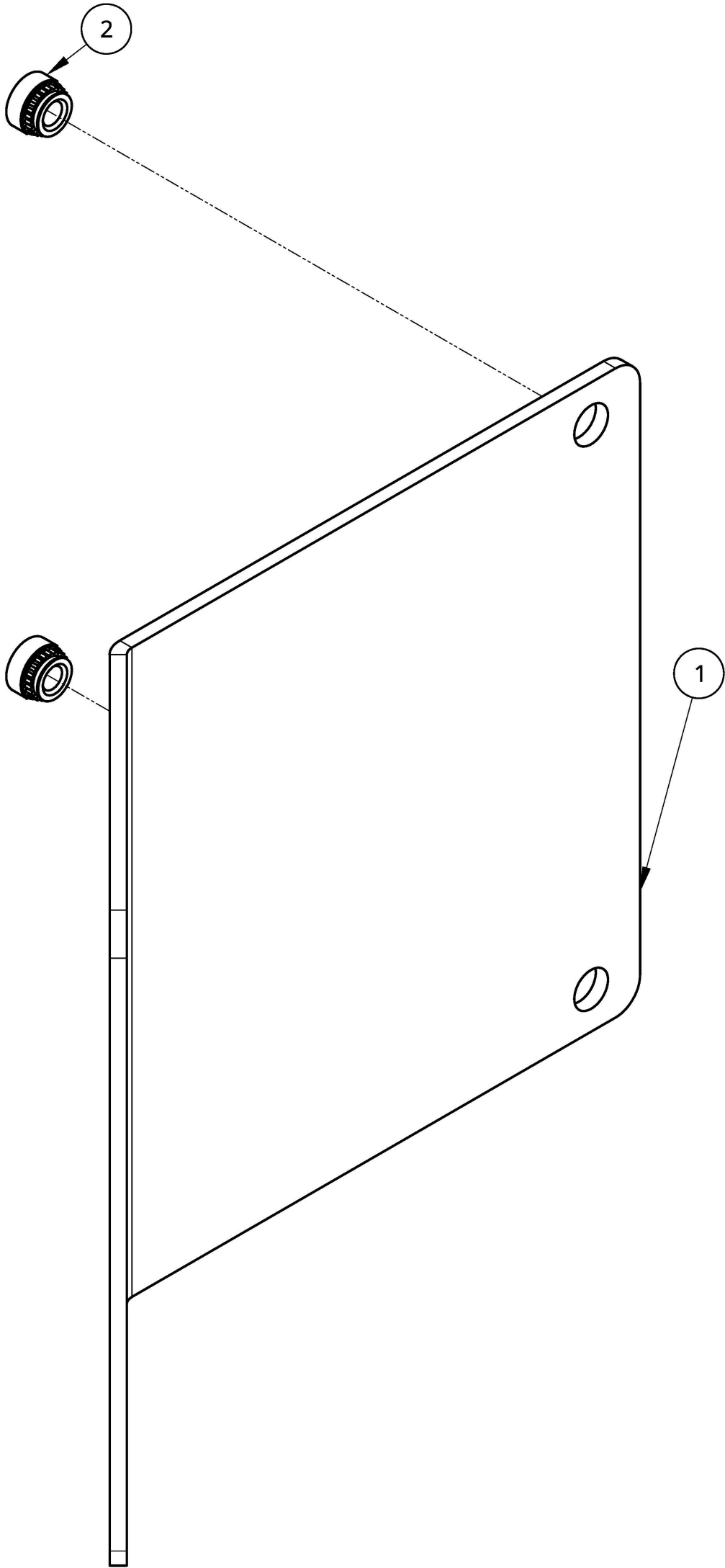
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Item	Quantity	Part number	Description
1	1	GE-26405-01	Ball Deflector
2	2		PEM S-0420-3 ZI Carbon Steel Zinc plated

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005 DO NOT SCALE DRAWING BREAK ALL SHARP EDGES AND REMOVE BURRS PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF <i>FIRST</i> ®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF <i>FIRST</i> ® IS PROHIBITED.	BEND	NAME	DATE		
	DRAWN	CO	11/18/2025		
	MATERIAL			TITLE	
	1/8" 5052 ALUMINUM			BALL DEFLECTOR WITH PEMS	
SIZE C		DWG NO. GE-26405			REV.
SCALE 1:1		SHEET 1 of 2			

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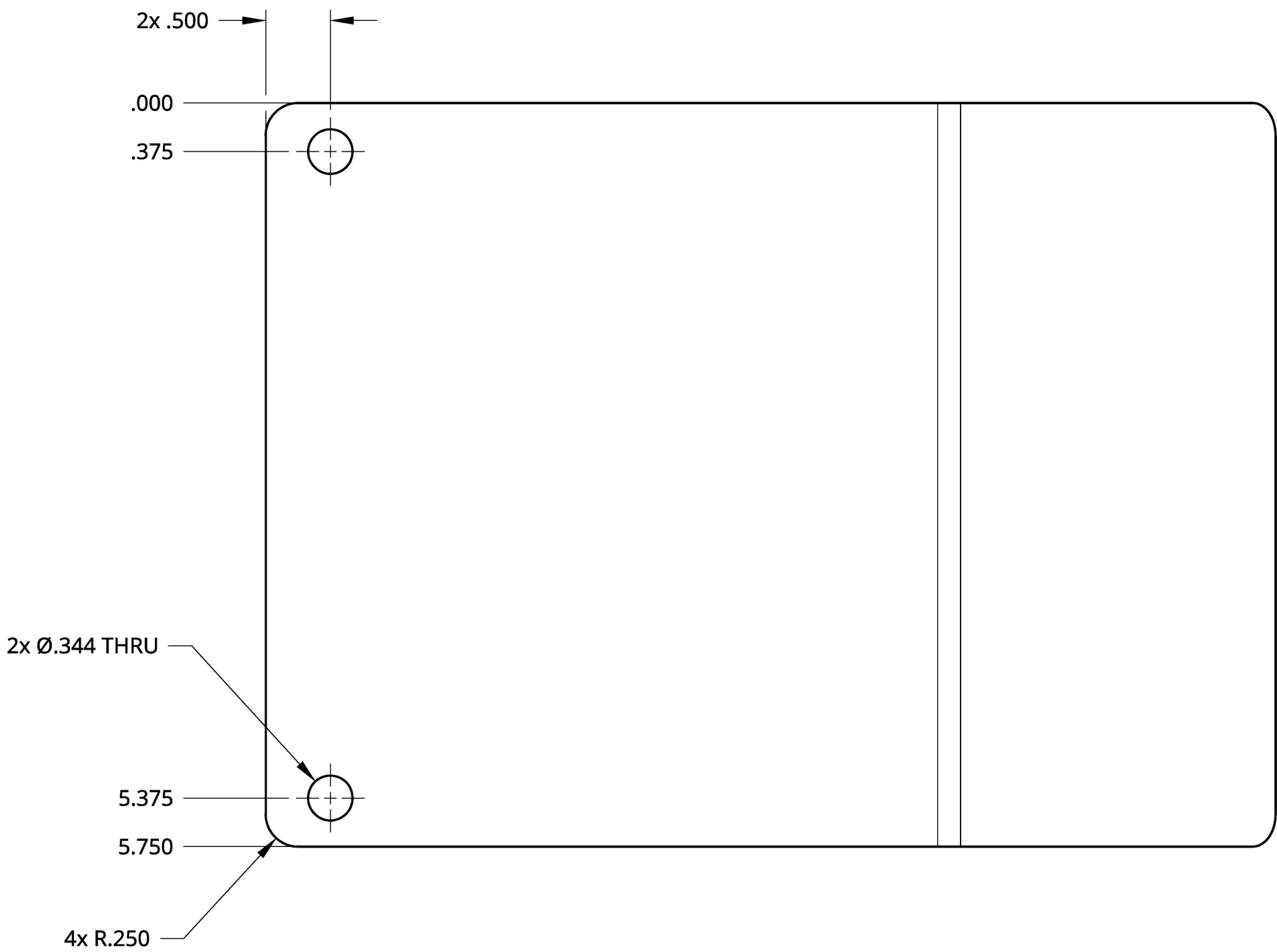
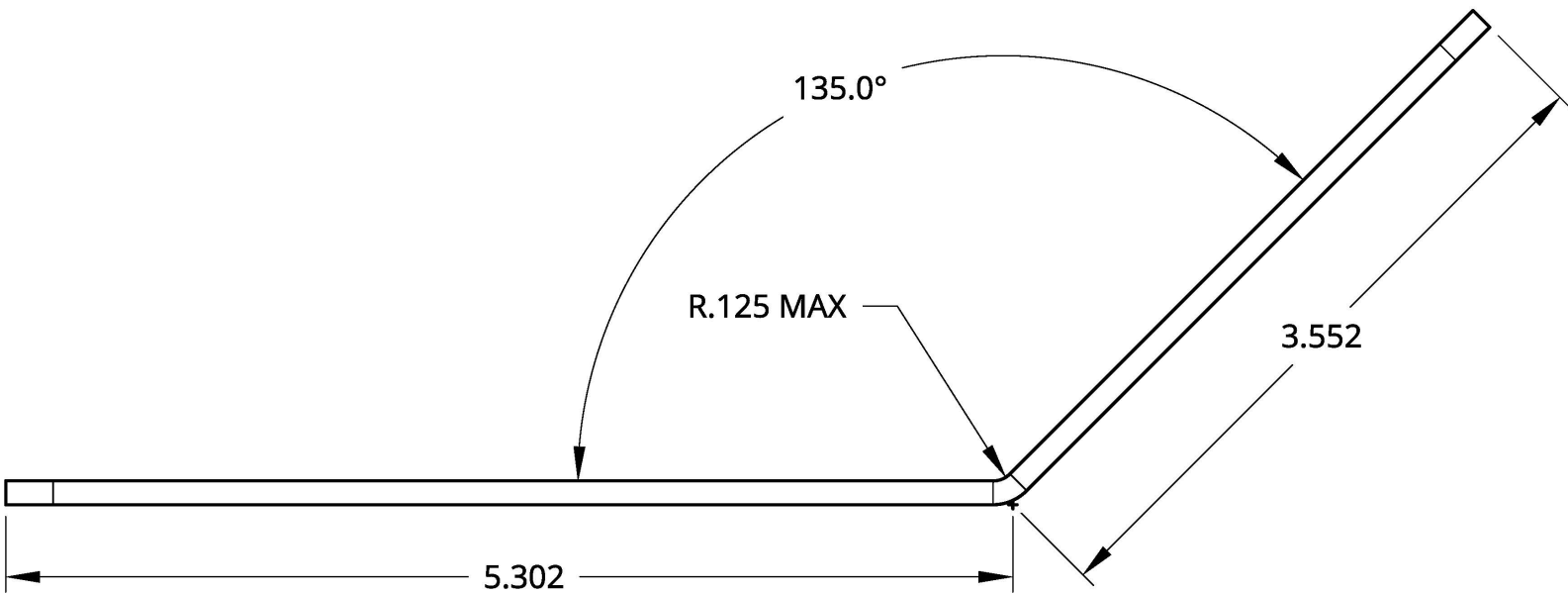
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	BEND	NAME	DATE		
	DRAWN	CO	11/18/2025		
	MATERIAL			TITLE	
DO NOT SCALE DRAWING	1/8" 5052 ALUMINUM			BALL DEFLECTOR	
BREAK ALL SHARP EDGES AND REMOVE BURRS				SIZE C	REV.
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				DWG NO. GE-26405-01	
SCALE 1:1		SHEET 2 of 2			

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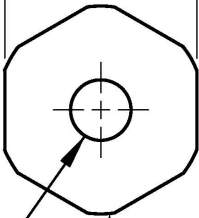
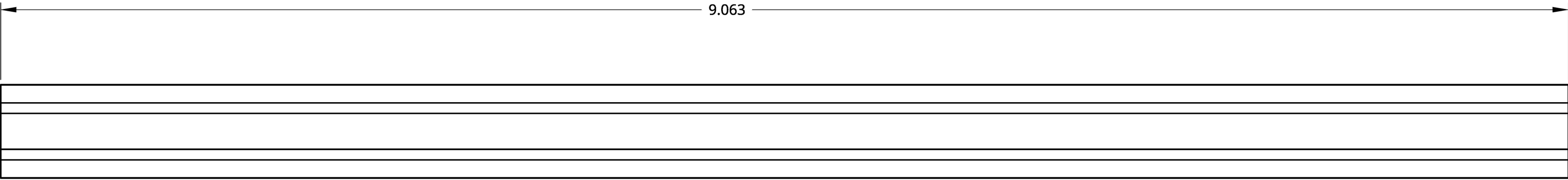
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE		
	DRAWN	JO	09/24/2025		
	MATERIAL			TITLE	
DO NOT SCALE DRAWING	ROUNDED 1/2" HEX SHAFT - 7075 ALUMINUM (REV-21-1135)			LONG ROLLER SHAFT	
BREAK ALL SHARP EDGES AND REMOVE BURRS				SIZE C	DWG NO. GE-26406
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SCALE 2:1	REV. 1 of 1

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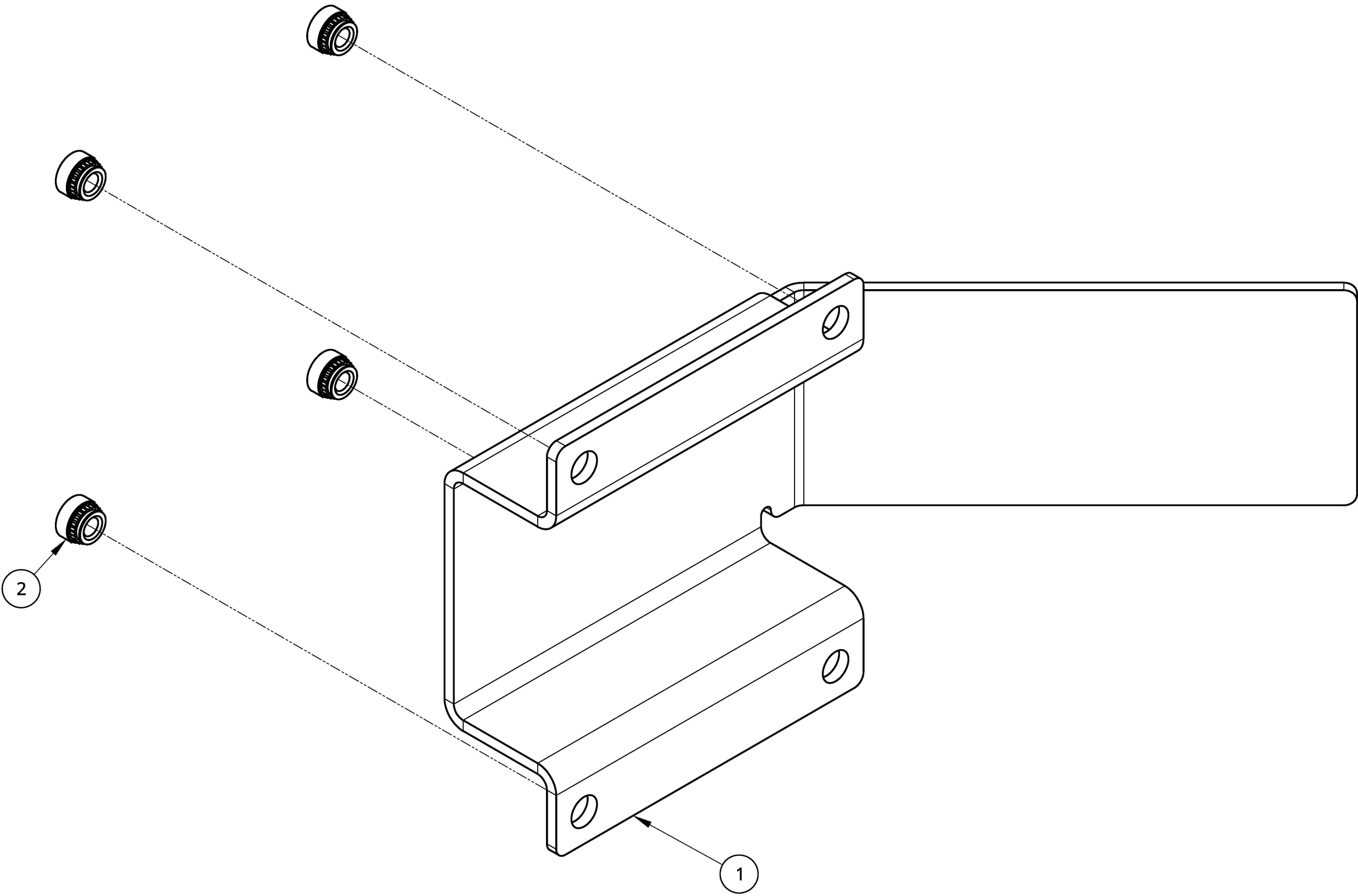
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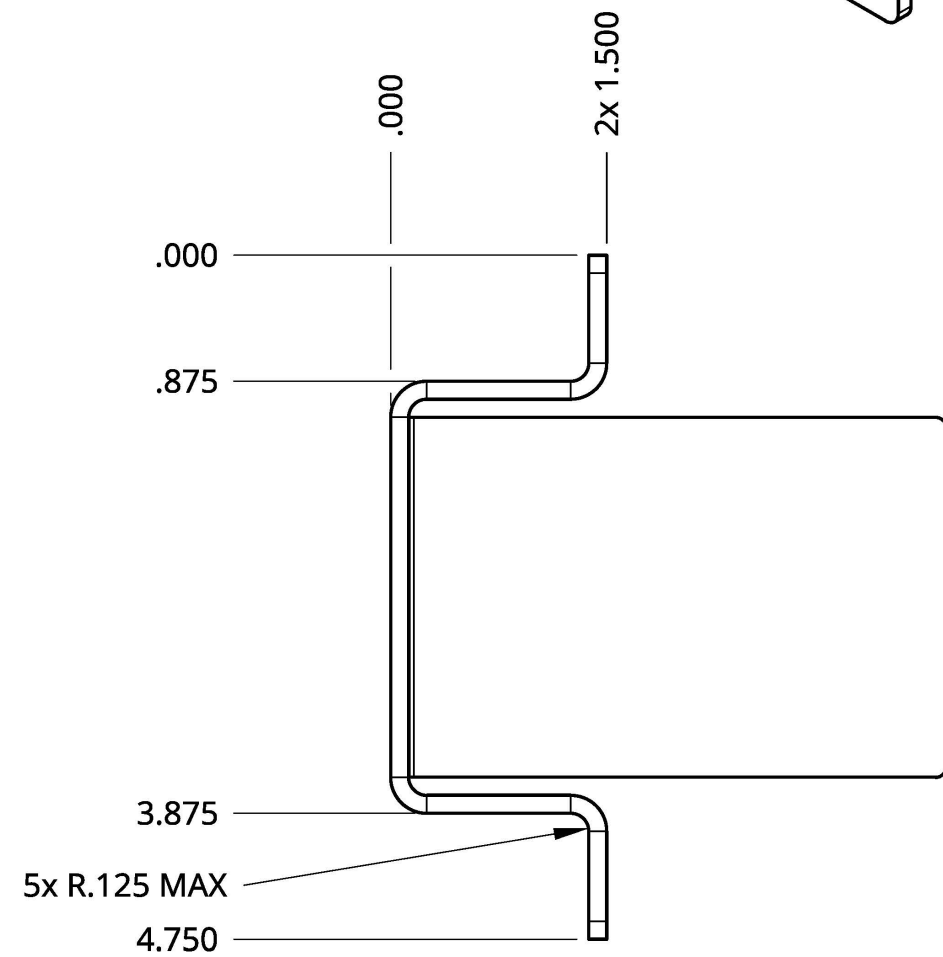
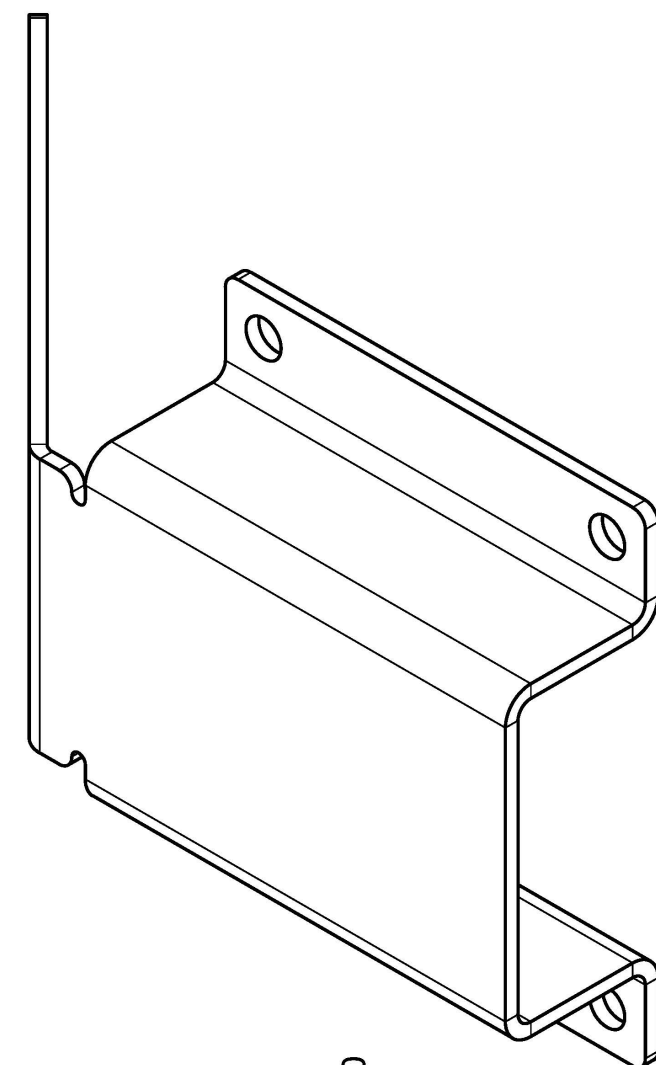
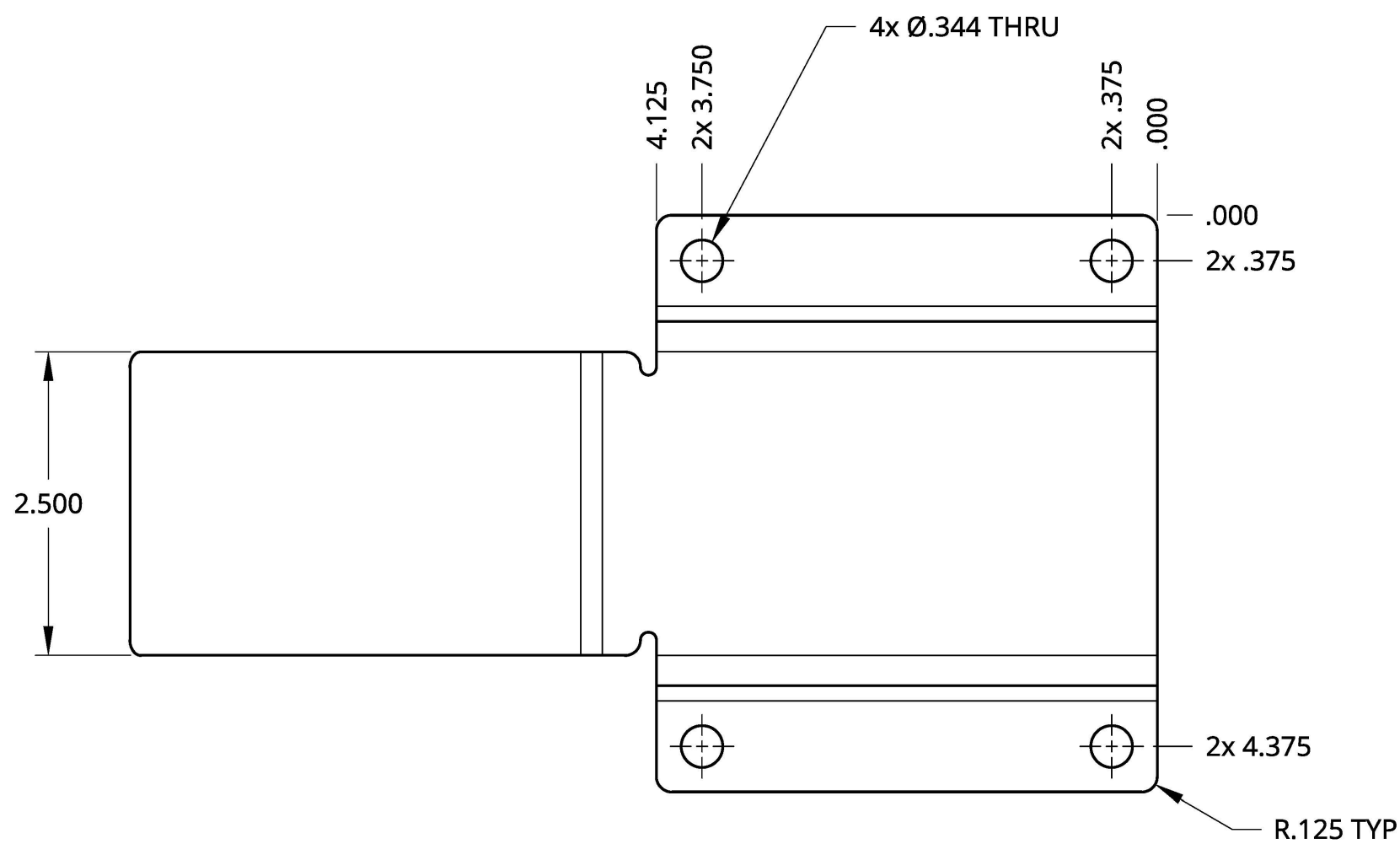
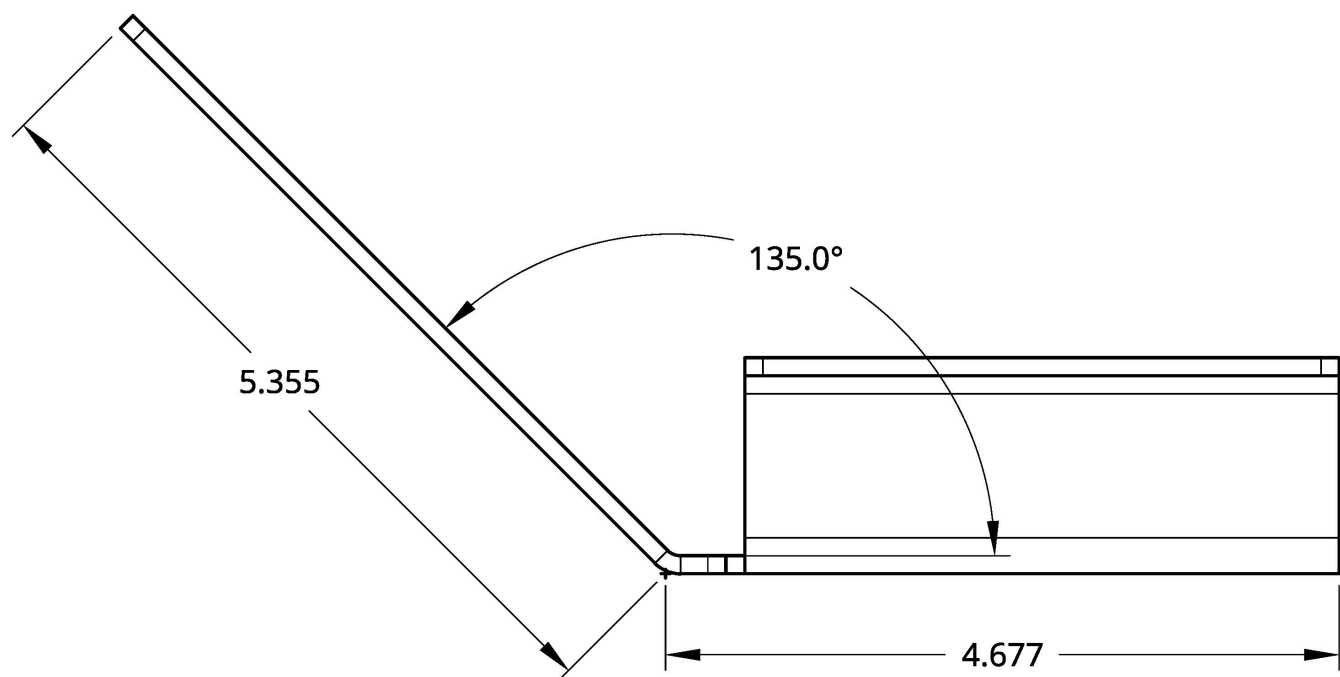
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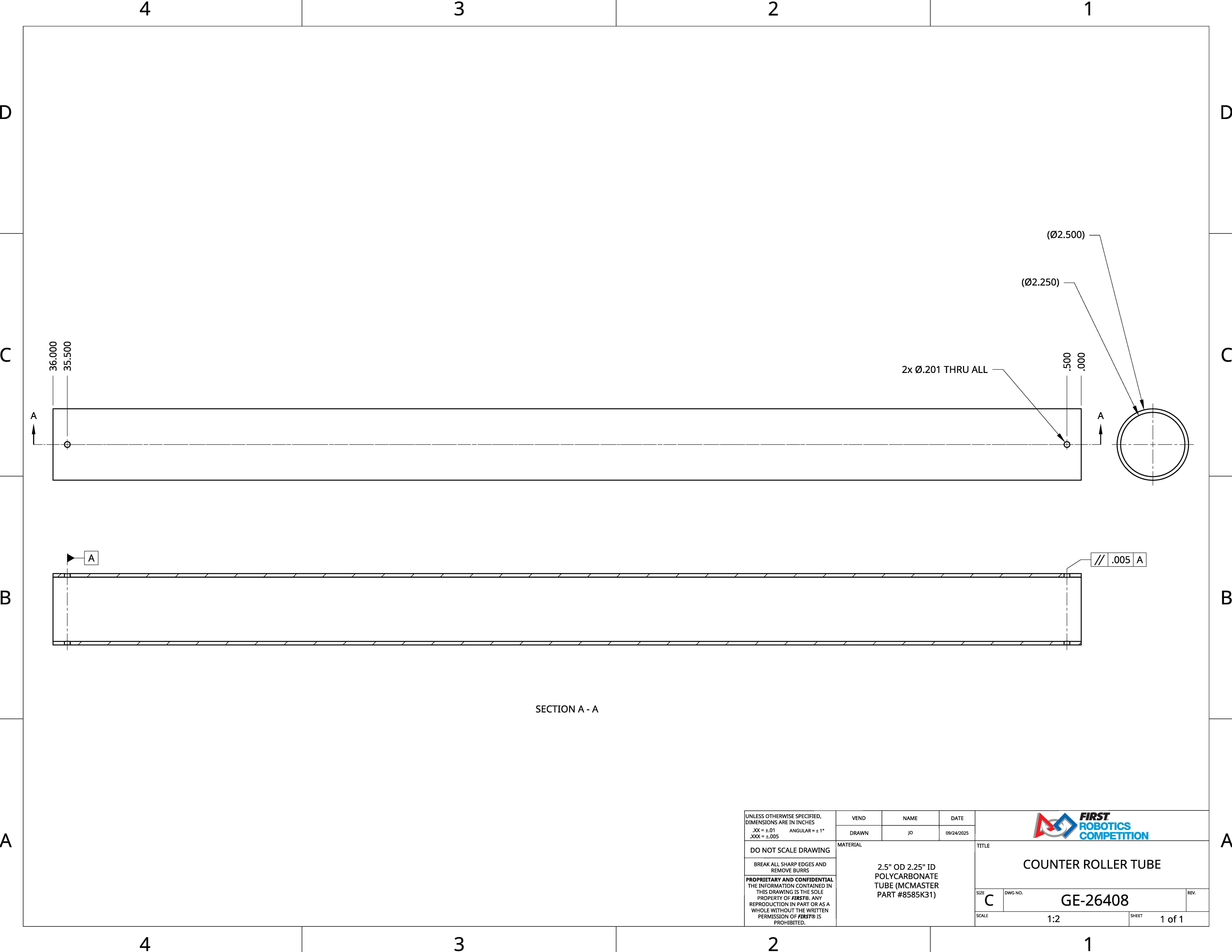


Item				Quantity	Part number	Description
1				1	GE-26407-01	Inlet Funnel
2				4		PEM S-0420-3 ZI Carbon Steel Zinc plated

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	BEND	NAME	DATE		
	DRAWN	CO	11/18/2025		
	MATERIAL			TITLE	
DO NOT SCALE DRAWING	1/8" 5052 ALUMINUM			INLET FUNNEL	
BREAK ALL SHARP EDGES AND REMOVE BURRS				SIZE C	DWG NO. GE-26407
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SCALE 1:1	REV. 1 of 2



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	BEND	NAME	DATE				
	DRAWN	CO	11/18/2025				
DO NOT SCALE DRAWING	MATERIAL 1/8" 5052 ALUMINUM			TITLE INLET FUNNEL			
BREAK ALL SHARP EDGES AND REMOVE BURRS							
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE C	DWG NO. GE-26407-01	REV. 	
				SCALE 3:4		SHEET 2 of 2	



SECTION A - A

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE		
	DRAWN	JO	09/24/2025		
	MATERIAL			TITLE	
DO NOT SCALE DRAWING	2.5" OD 2.25" ID POLYCARBONATE TUBE (MCMASTER PART #8585K31)			COUNTER ROLLER TUBE	
BREAK ALL SHARP EDGES AND REMOVE BURRS				SIZE C	DWG NO. GE-26408
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SCALE 1:2	REV. 1 of 1

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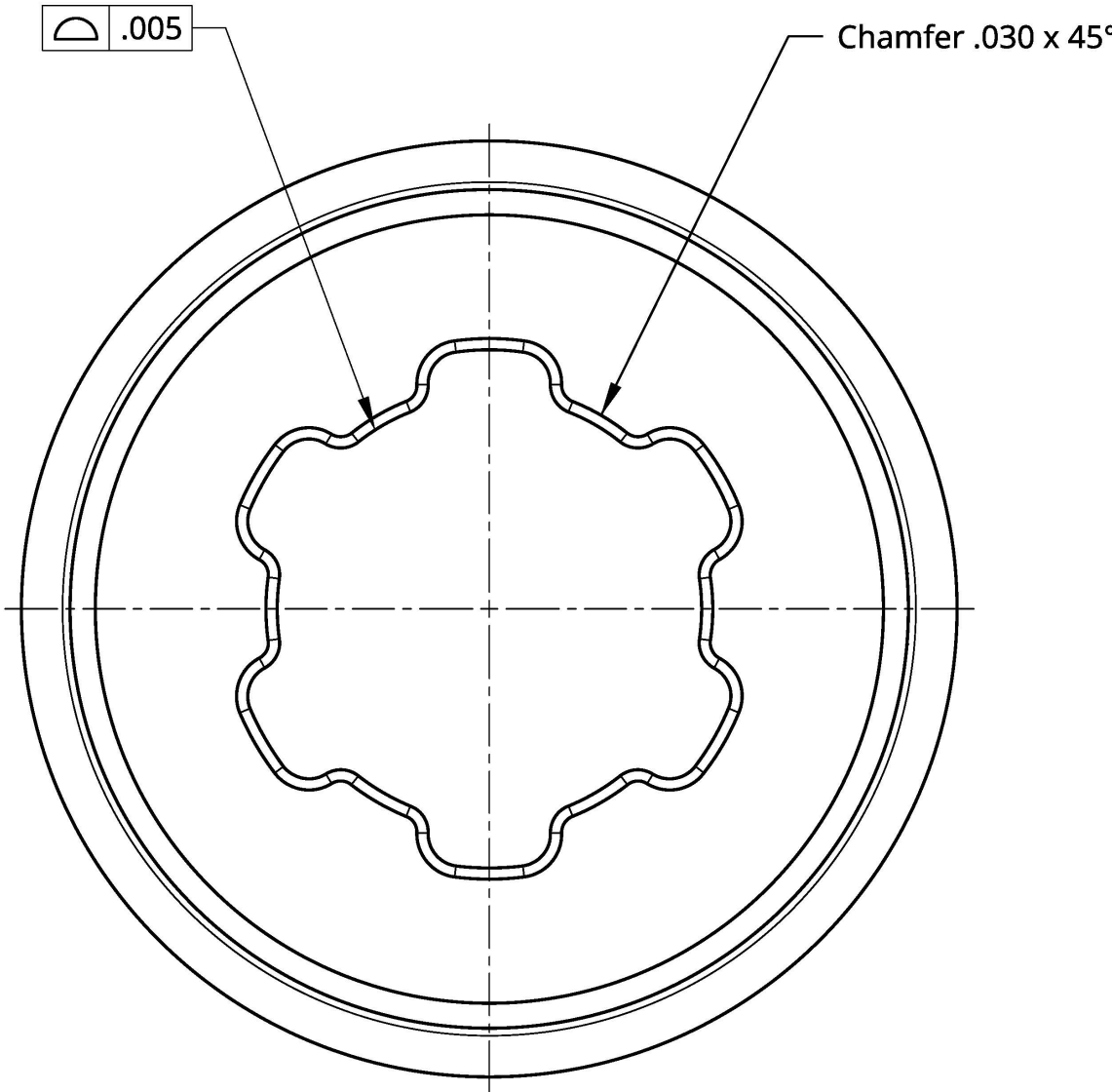
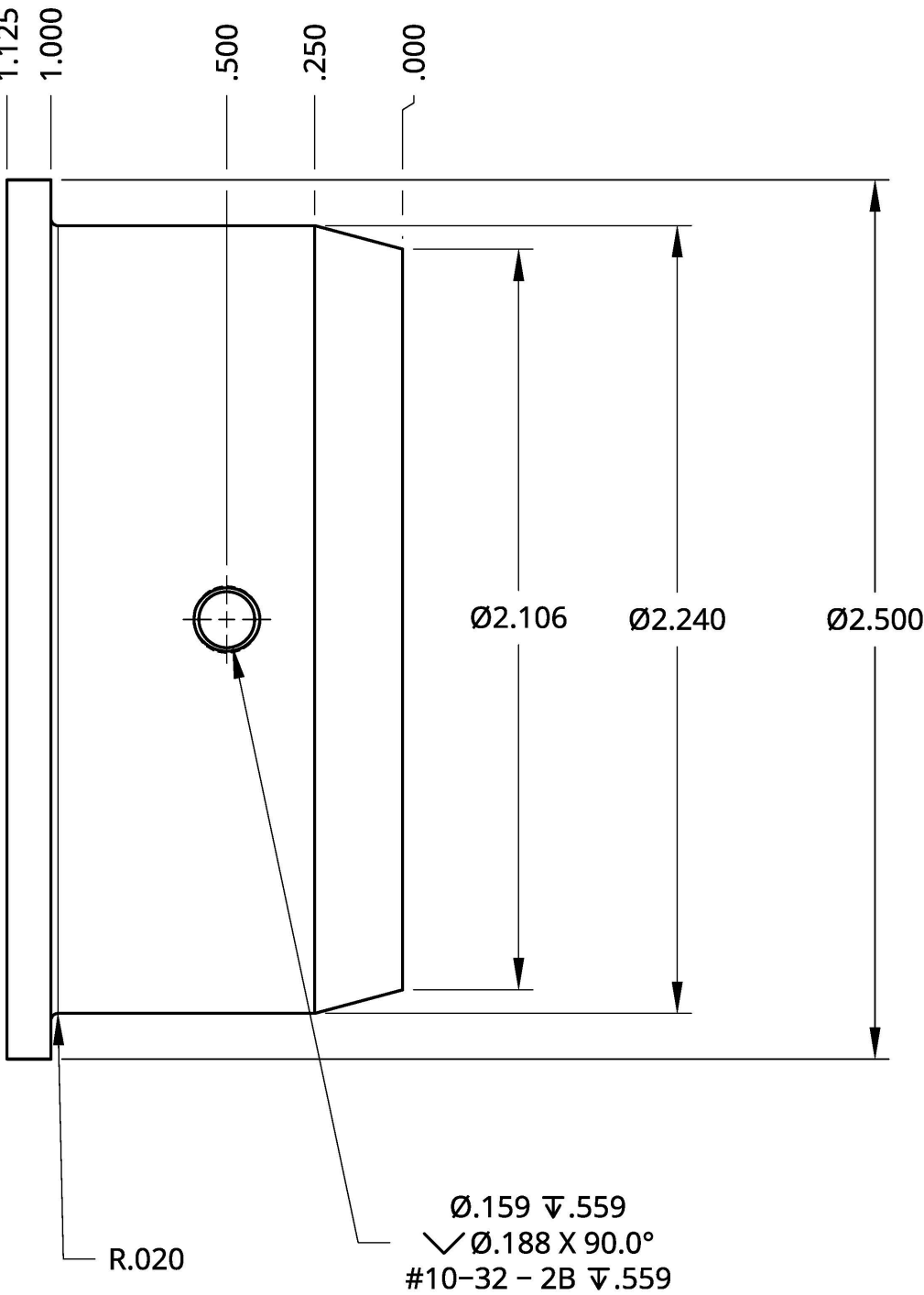
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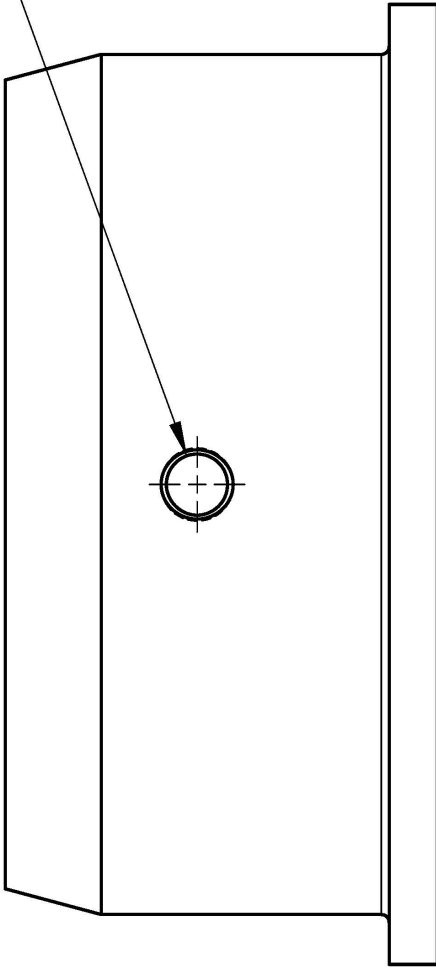
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Cut Spline profile from GE-26409.STEP



Ø.159 THRU
✓ Ø.188 X 90.0°
#10-32 - 2B ∇ .559



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES XX = ±.01 ANGULAR = ± 1° XXX = ±.005	VEND	NAME	DATE			
	DRAWN	JO	09/23/2025			
DO NOT SCALE DRAWING	MATERIAL 6061 ALUMINUM			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				COUNTER TUBE PLUG		
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE	DWG NO.	REV.
				C	GE-26409	
				SCALE	2:1	SHEET

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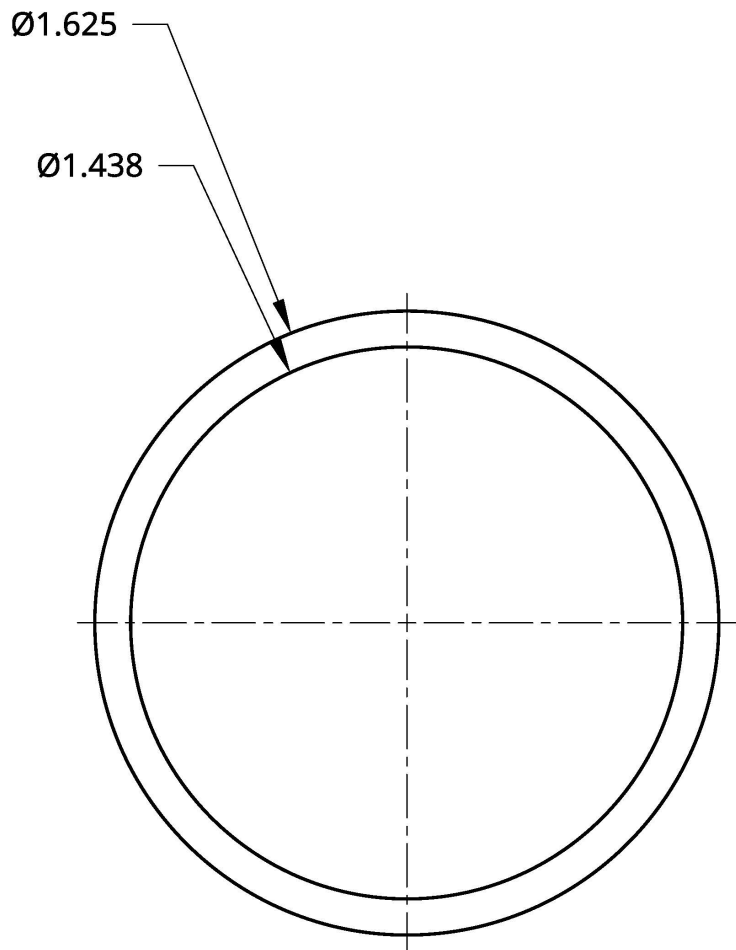
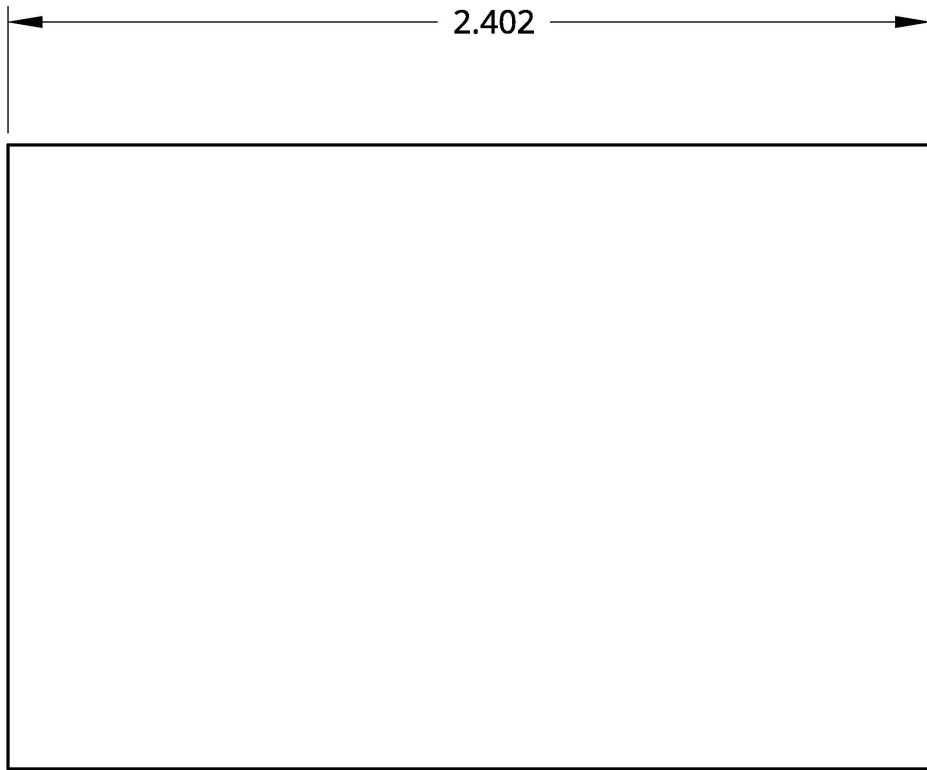
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES XX = ±.01 ANGULAR = ± 1° XXX = ±.005	VEND	NAME	DATE			
	DRAWN	JO	09/24/2025			
DO NOT SCALE DRAWING	MATERIAL PLA+ 3D PRINTED			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				LONG SPLINE SPACER		
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE	DWG NO.	REV.
				C	GE-26410	
	SCALE	2:1		SHEET	1 of 1	

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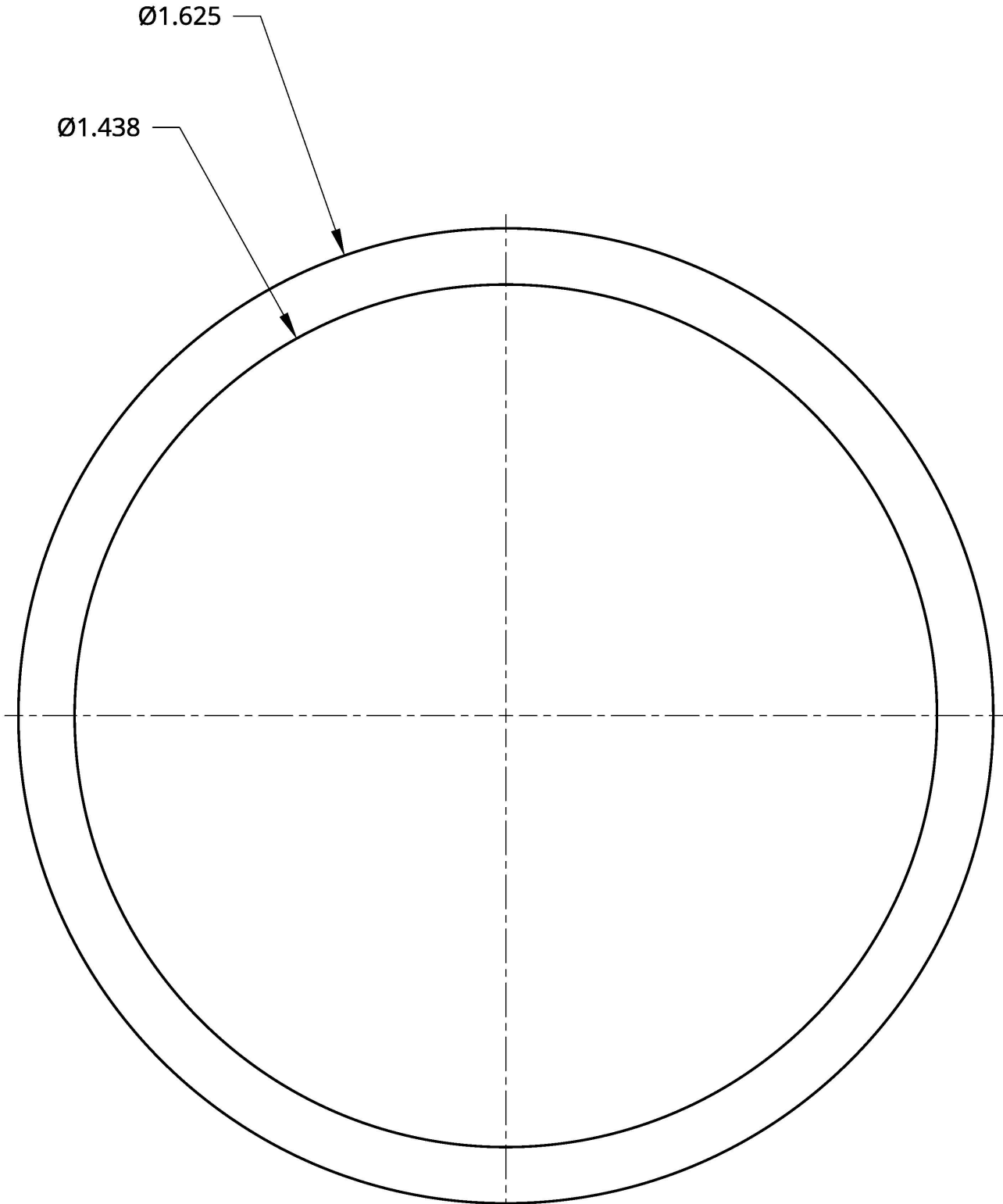
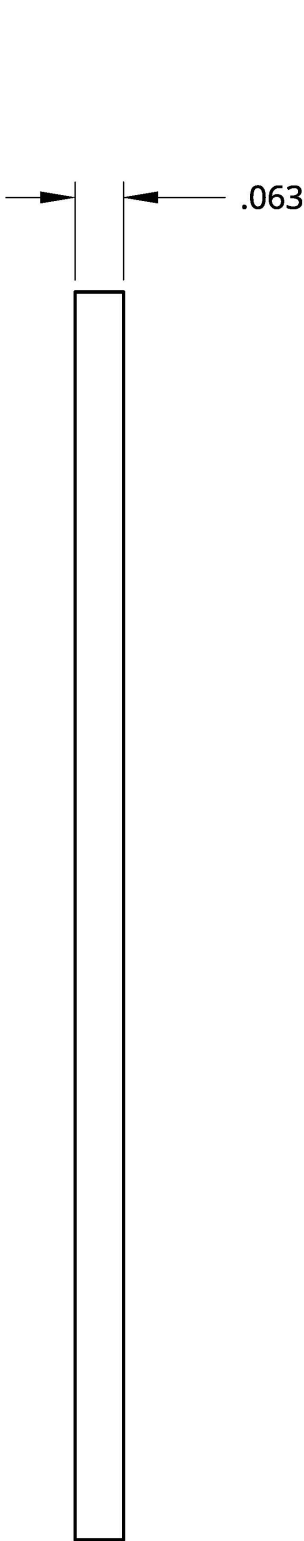
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE		
	DRAWN	JO	09/24/2025		
	MATERIAL			TITLE	
DO NOT SCALE DRAWING	PLA+ 3D PRINTED			SHORT SPLINE SPACER	
BREAK ALL SHARP EDGES AND REMOVE BURRS				SIZE C	REV.
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				DWG NO. GE-26411	
	SCALE 4:1			SHEET 1 of 1	

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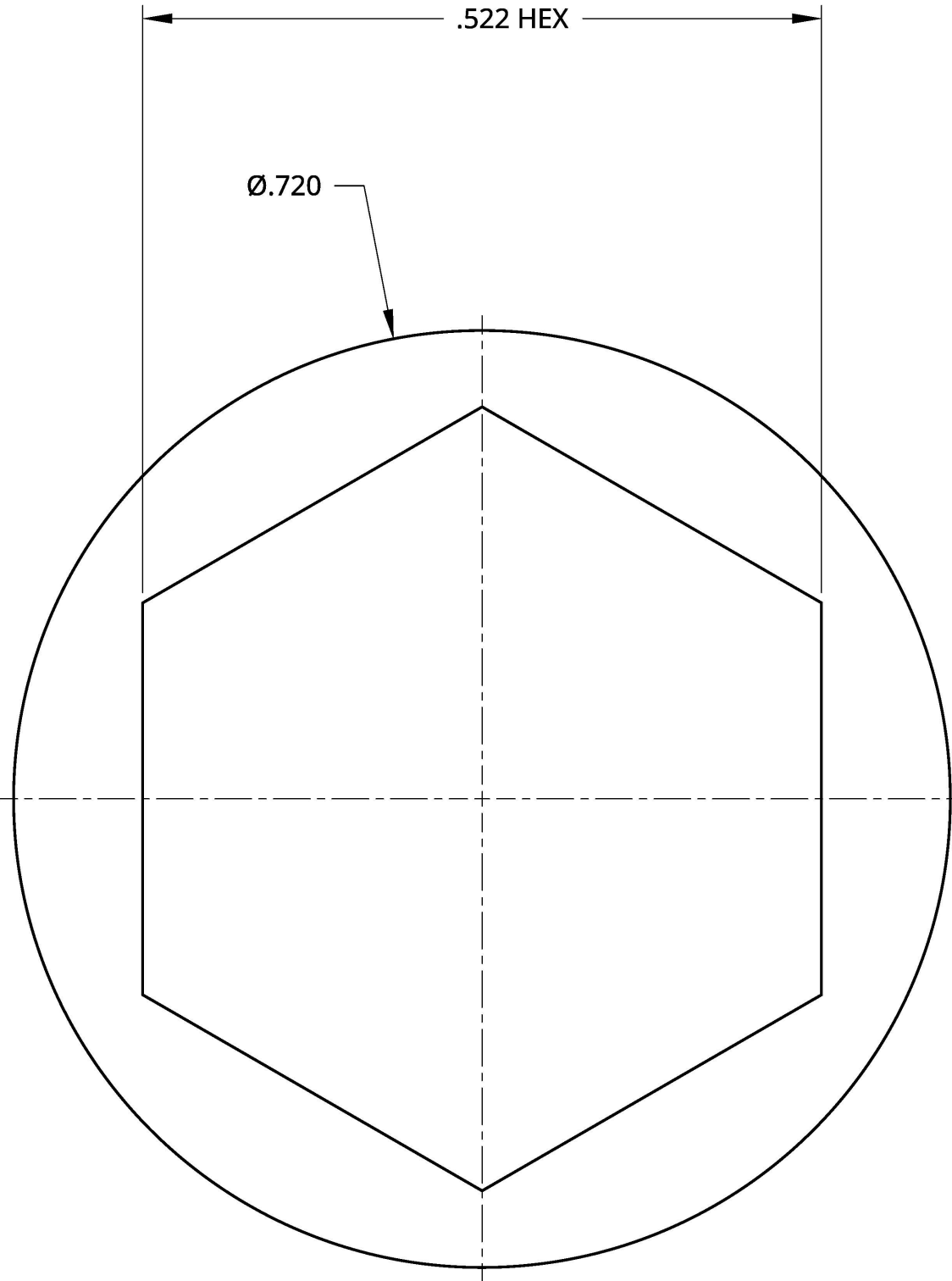
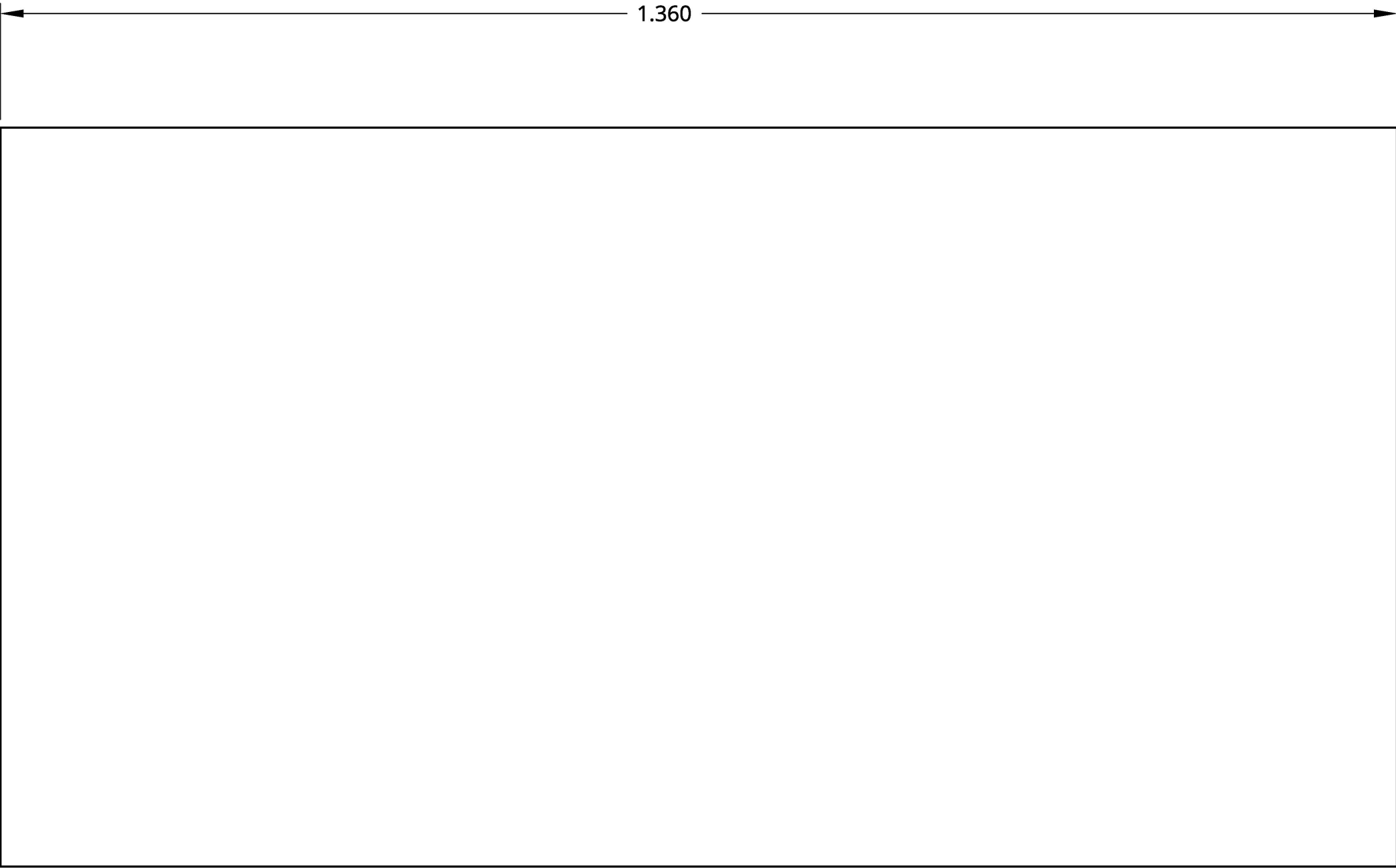
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES XX = ±.01 ANGULAR = ± 1° XXX = ±.005	VEND	NAME	DATE		
	DRAWN	JO	09/24/2025		
DO NOT SCALE DRAWING	MATERIAL <				

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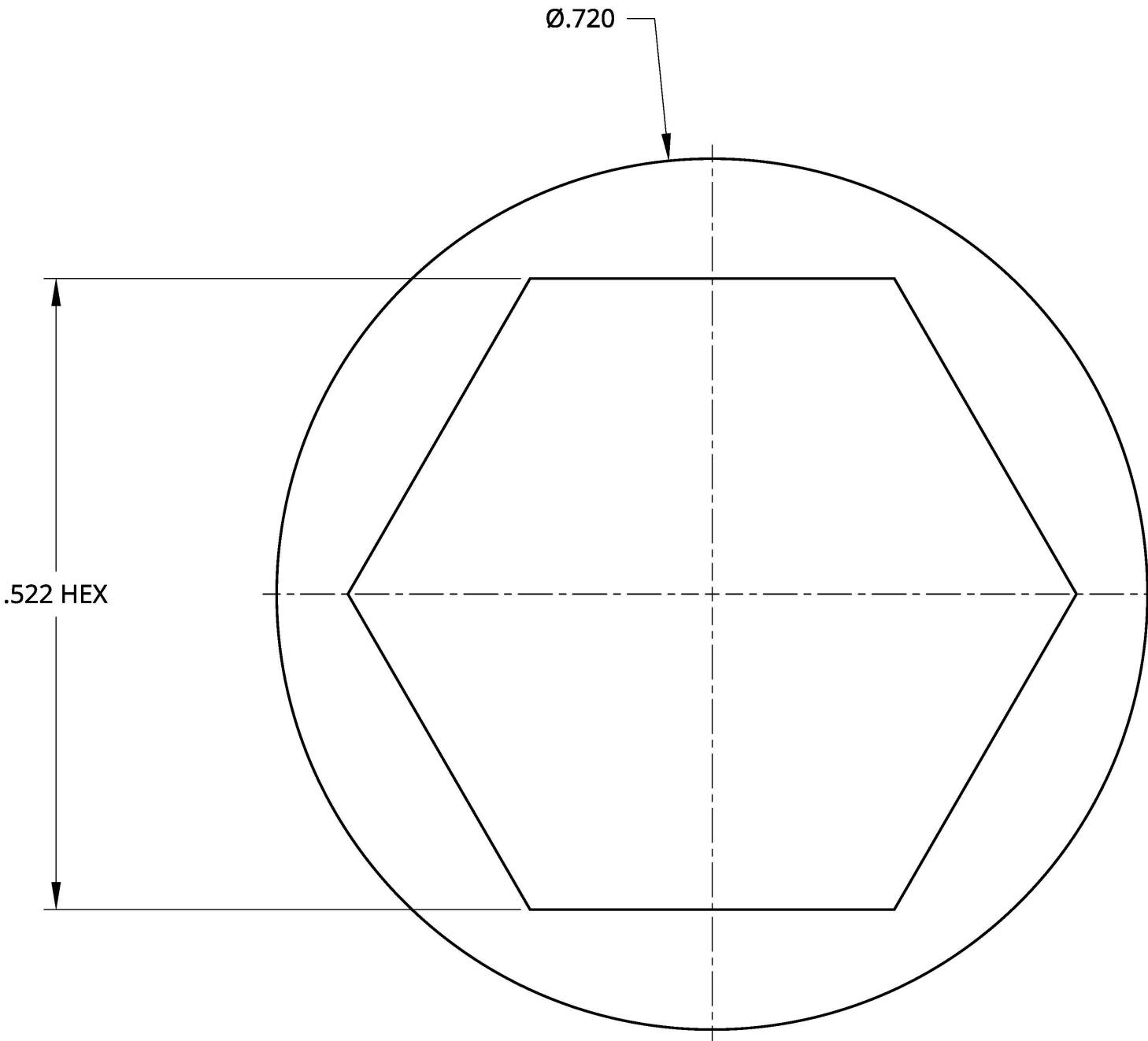
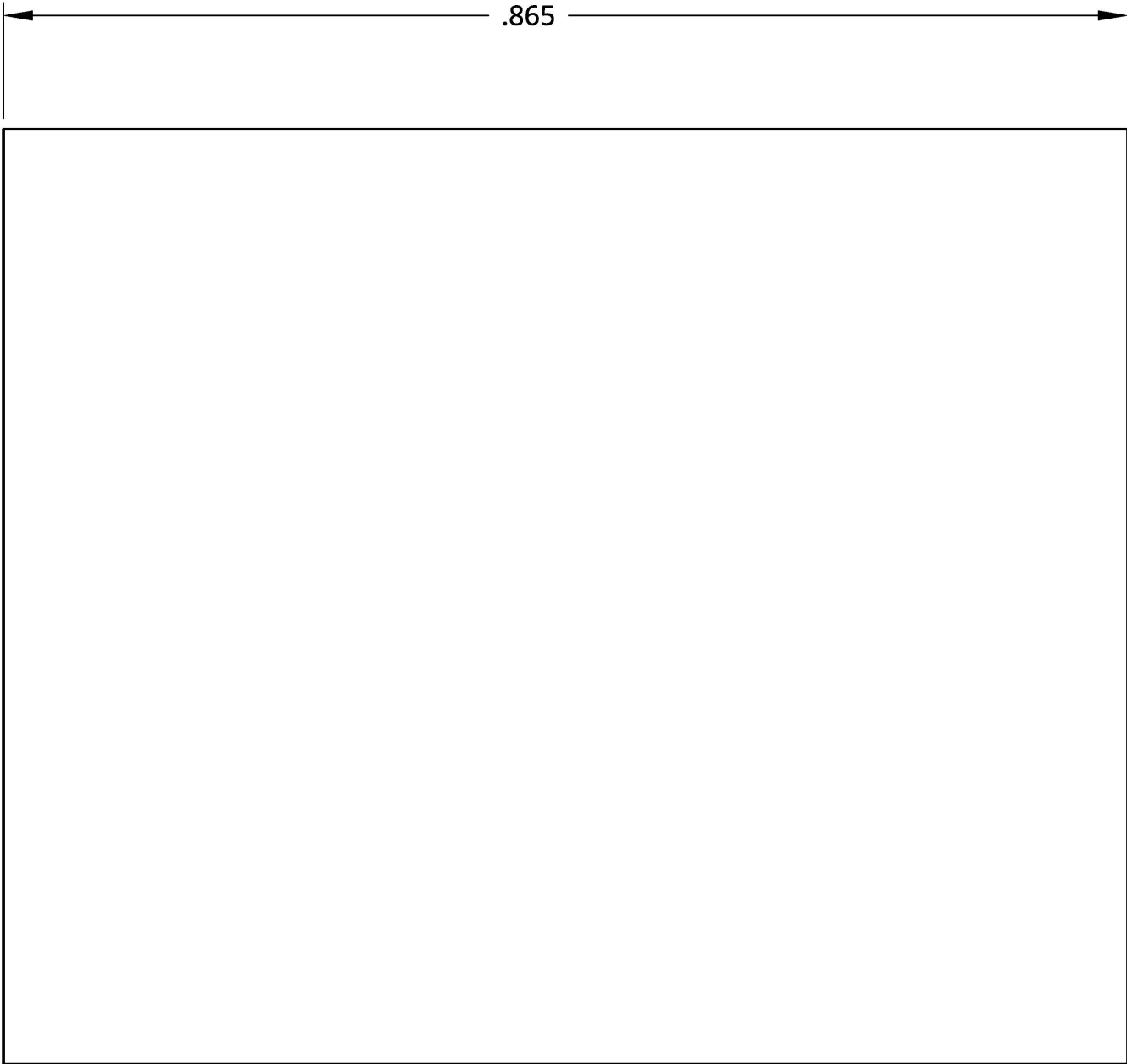
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE		
	DRAWN	JO	09/24/2025		
	MATERIAL			TITLE	
	DO NOT SCALE DRAWING			MEDIUM HEX SPACER	
BREAK ALL SHARP EDGES AND REMOVE BURRS	PLA+ 3D PRINTED			SIZE	REV.
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				C	
SCALE		8:1		SHEET	1 of 1

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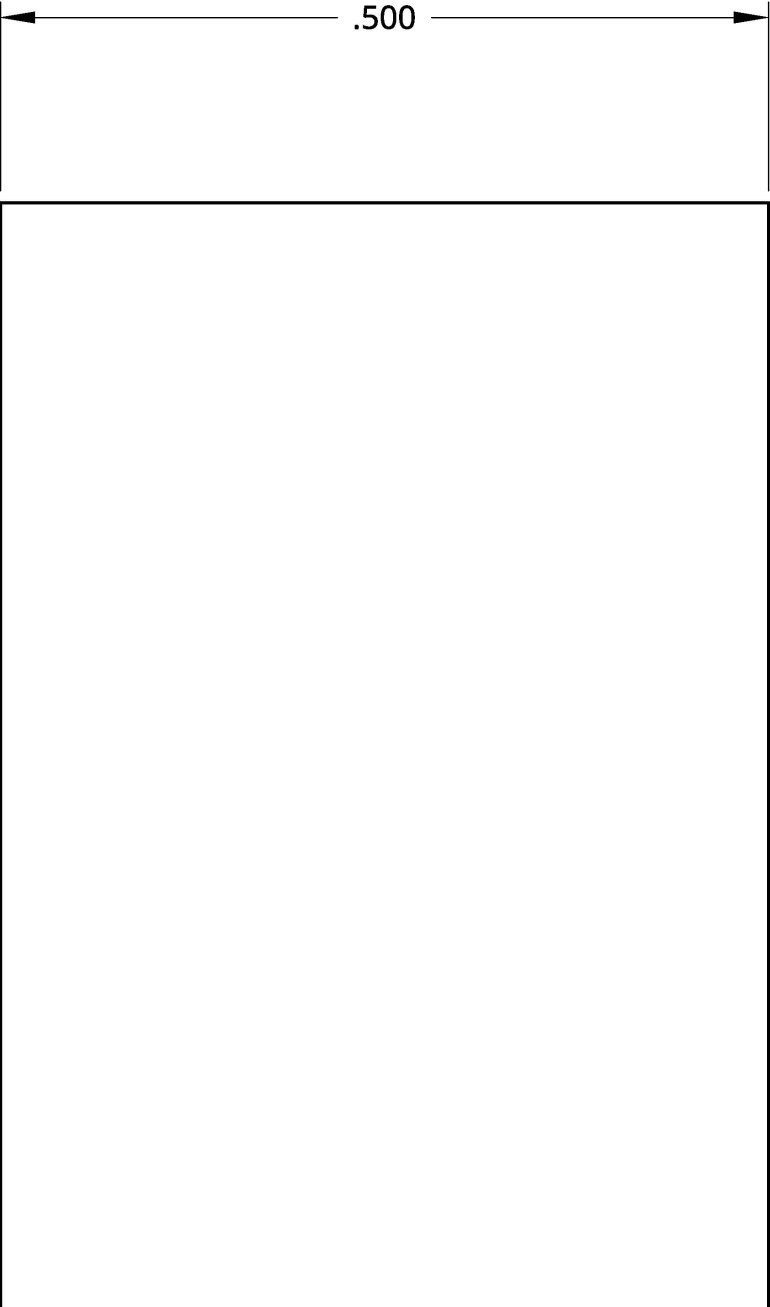
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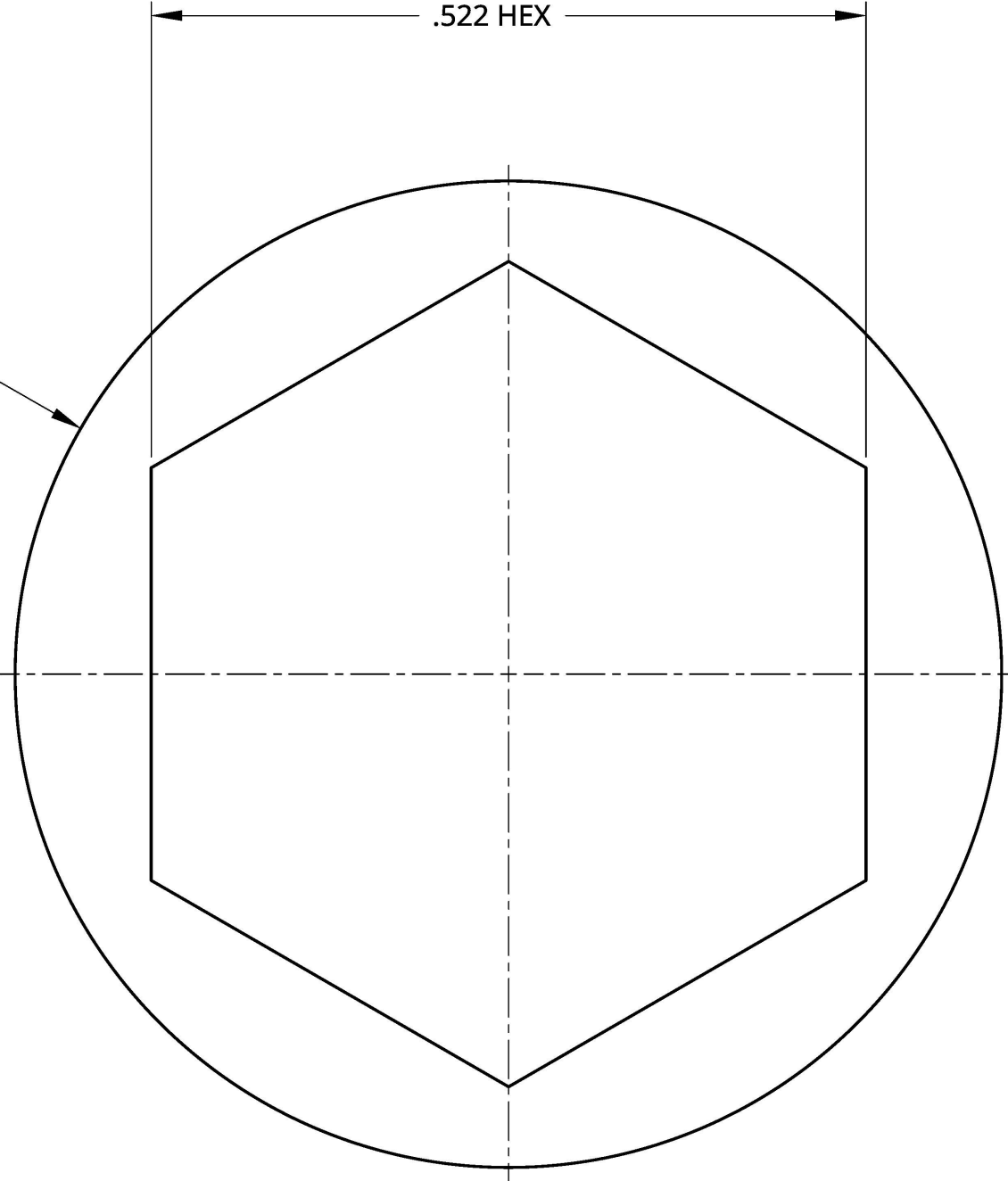
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES XX = ±.01 ANGULAR = ± 1° XXX = ±.005	VEND	NAME	DATE			
	DRAWN	JO	09/24/2025			
DO NOT SCALE DRAWING	MATERIAL PLA+ 3D PRINTED			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				1/2" HEX SPACER		
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE C	DWG NO. GE-26414	REV.
				SCALE 8:1	SHEET 1 of 1	

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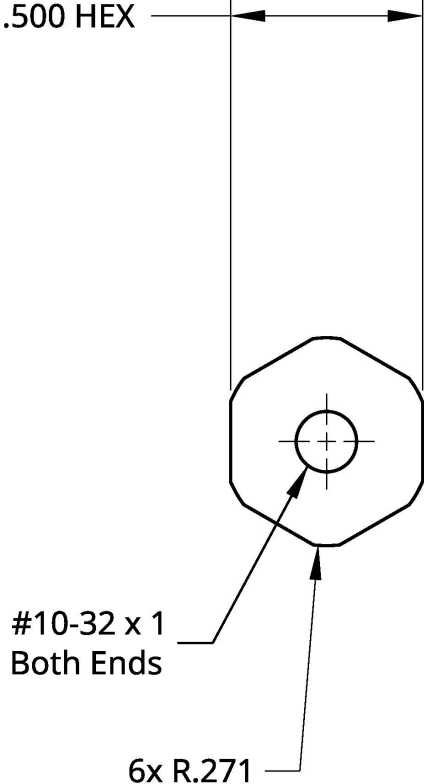
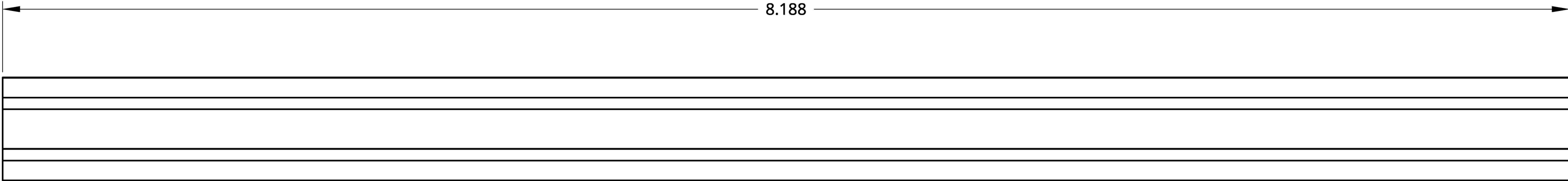
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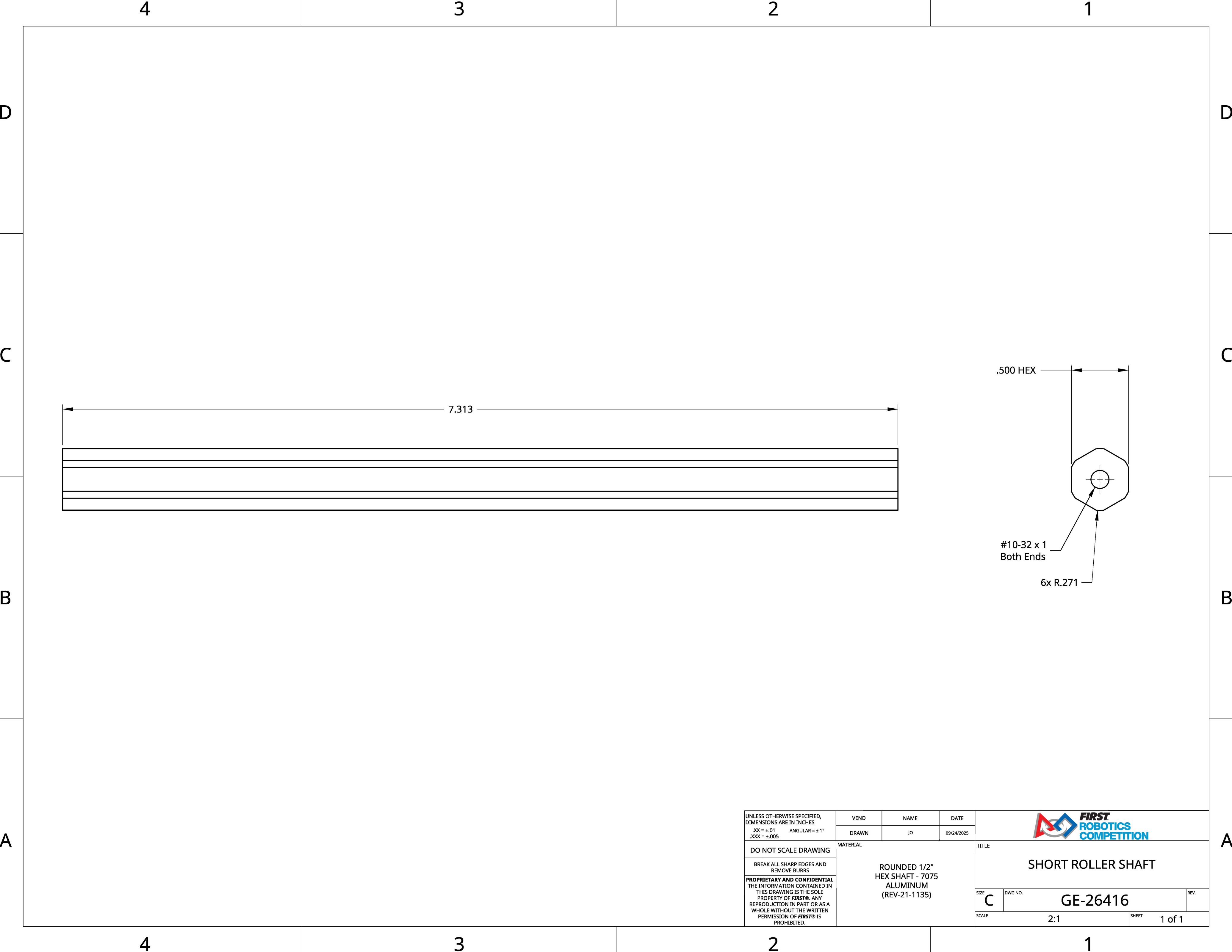
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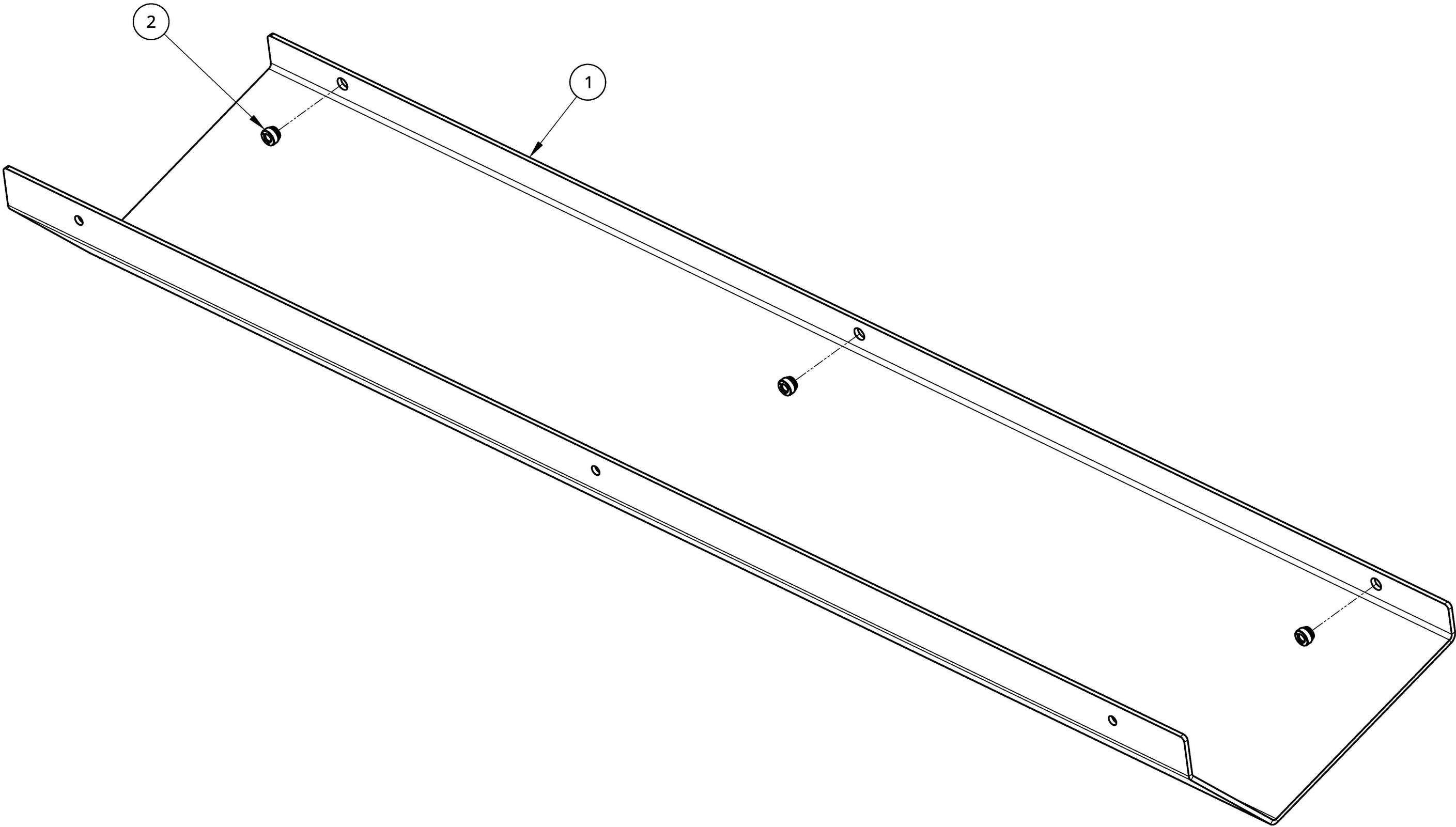


UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE		
	DRAWN	JO	09/24/2025		
	MATERIAL			TITLE	
DO NOT SCALE DRAWING	ROUNDED 1/2" HEX SHAFT - 7075 ALUMINUM (REV-21-1135)			MEDIUM ROLLER SHAFT	
BREAK ALL SHARP EDGES AND REMOVE BURRS				SIZE C	DWG NO. GE-26415
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SCALE 2:1	REV. 1 of 1



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE		
	DRAWN	JO	09/24/2025		
	MATERIAL			TITLE	
DO NOT SCALE DRAWING	ROUNDED 1/2" HEX SHAFT - 7075 ALUMINUM (REV-21-1135)			SHORT ROLLER SHAFT	
BREAK ALL SHARP EDGES AND REMOVE BURRS				SIZE C	DWG NO. GE-26416
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SCALE 2:1	REV. 1 of 1

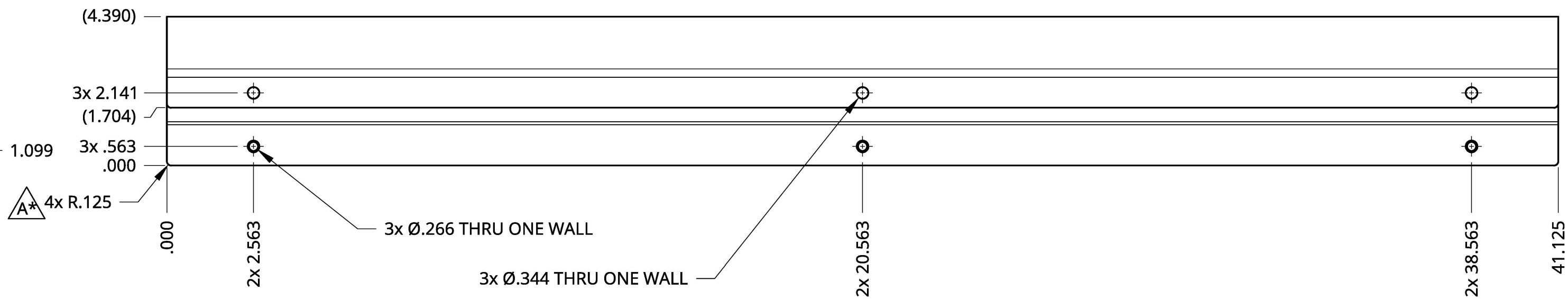
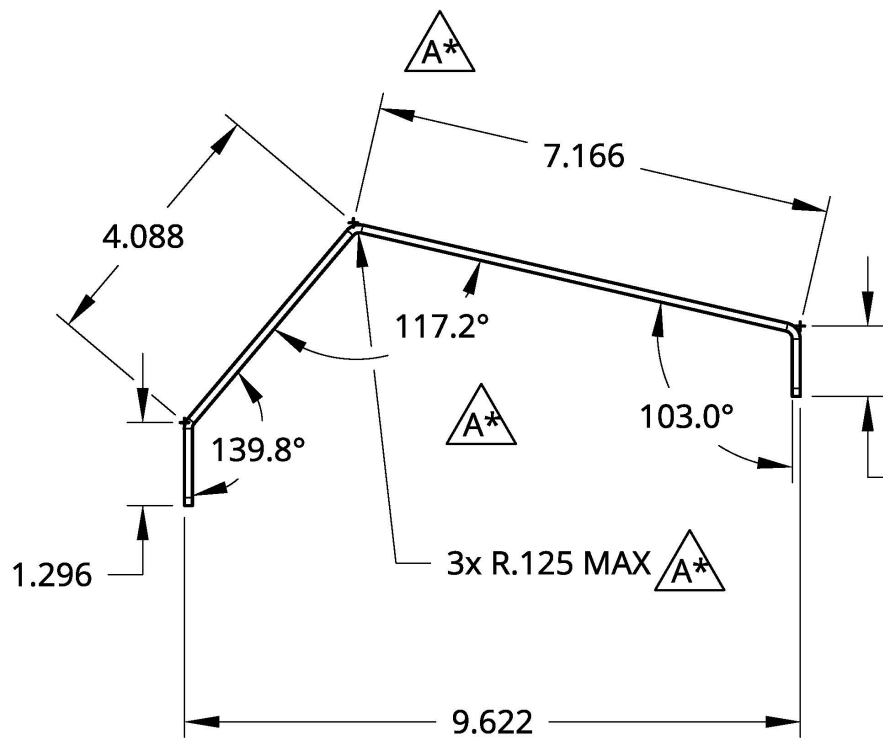
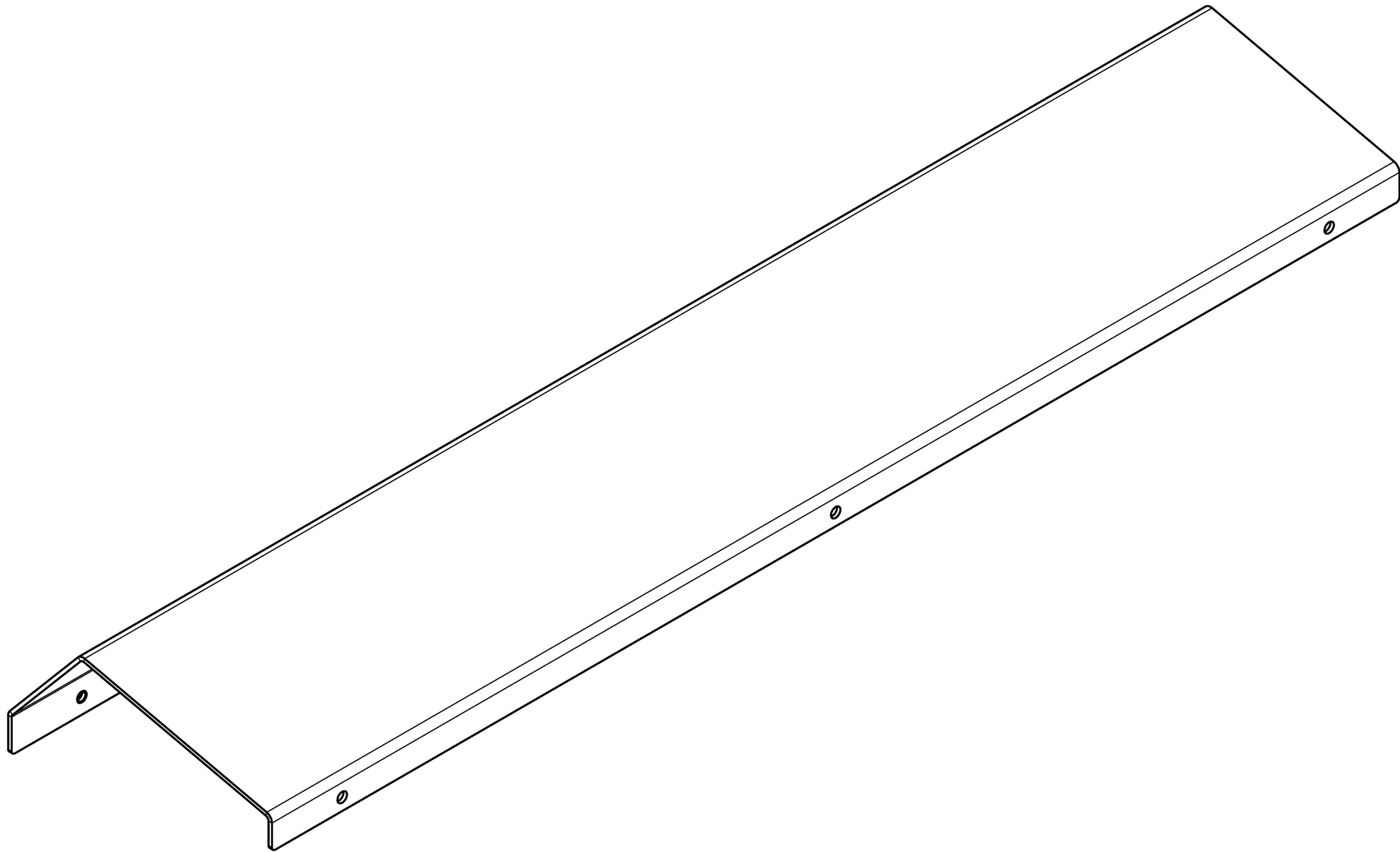
REVISIONS			
Revision	Revision description	Date drawn	Drawn by
A*	Bend lengths andAngles updated. Bend radius and fillet radius callouts added	2025-09-24	JO



Item	Quantity	Part number	Description
1	1	GE-26417-01	Gearbox Cover SheetMetal
2	3		PEM S-0420-3 ZI Carbon Steel Zinc plated

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005 DO NOT SCALE DRAWING BREAK ALL SHARP EDGES AND REMOVE BURRS PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF <i>FIRST</i> ®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF <i>FIRST</i> ® IS PROHIBITED.	VEND	NAME	DATE		
	DRAWN	JO	09/24/2025		
	MATERIAL			TITLE	
	1/8" 5052 ALUMINUM			GEARBOX COVER W/ PEMS	
SIZE		DWG NO.			REV.
C		GE-26417			A
SCALE		2:5			SHEET 1 of 2

REVISIONS
See sheet 1



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE			
	DRAWN	JO	09/24/2025			
DO NOT SCALE DRAWING	MATERIAL 1/8" 5052 ALUMINUM			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				GEARBOX COVER SHEETMETAL		
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®, ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE	DWG NO.	REV.
				C	GE-26417-01	A
				SCALE	1:3	SHEET

REVISIONS			
REV	DESCRIPTION	DATE	DRAWN
A	Added more convenient dimensions.	2025-01-12	OCD

Item	Quantity	Part number	Description
1	18		Hex bolt 1/4-20 x 2.5 Stainless Steel
2	32		Hex lock nut with nylon insert 1/4-20 Stainless Steel
3	12		Hex bolt 1/4-20 x 1 Stainless Steel
4	6		Hex bolt 1/4-20 x 3.5 x 0.75 Stainless Steel
5	1	FE-00083-ID15	AprilTag, ID 15
6	1	FE-00083-ID16	AprilTag, ID 16
7	1	GE-26001	Outpost Frame Weldment
8	1	GE-26004	Outpost Bri-Weld Top Rail Assy
9	1	GE-26501	Tower Base
10	2	GE-26502	Tower Upright
11	3	GE-26503	Tower Rung
12	2	GE-26504	Tower Upright Support
13	1	GE-26505	Tower Lower Plastic
14	2	GE-26507	Tower Brace
15	2	GE-26508	Tower Upright Gusset
16	1	GE-26511	Tower Upper Plastic and Vinyl
17	12		Cable Tie, 120lb, Black

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±1.00 ANGULAR = ± 5° .XXX = ±0.250 DO NOT SCALE DRAWING BREAK ALL SHARP EDGES AND REMOVE BURRS PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST® . ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.	FIELD	NAME	DATE		
	DRAWN	DF	12/01/2025		
	MATERIAL			TITLE	
	SEE COMPONENT DRAWINGS			TOWER	
SIZE		DWG NO.		REV	
C		GE-26500		A	
SCALE		1:7		SHEET	
				1 of 2	



Red Alliance: FE-00083-ID15 Qty 1
Blue Alliance: FE-00083-ID31 Qty 1

Red Alliance: FE-00083-ID16 Qty 1
Blue Alliance: FE-00083-ID32 Qty 1

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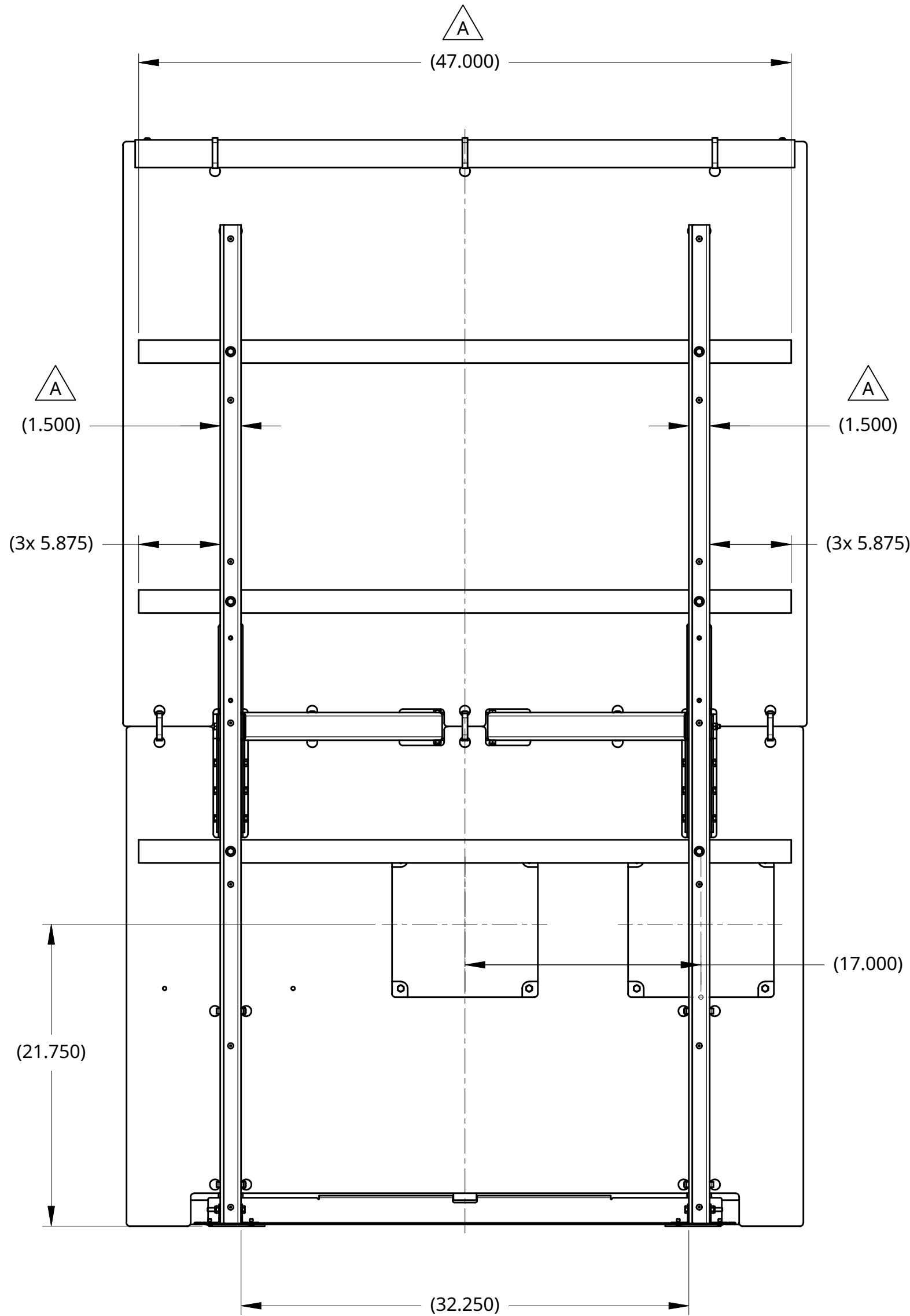
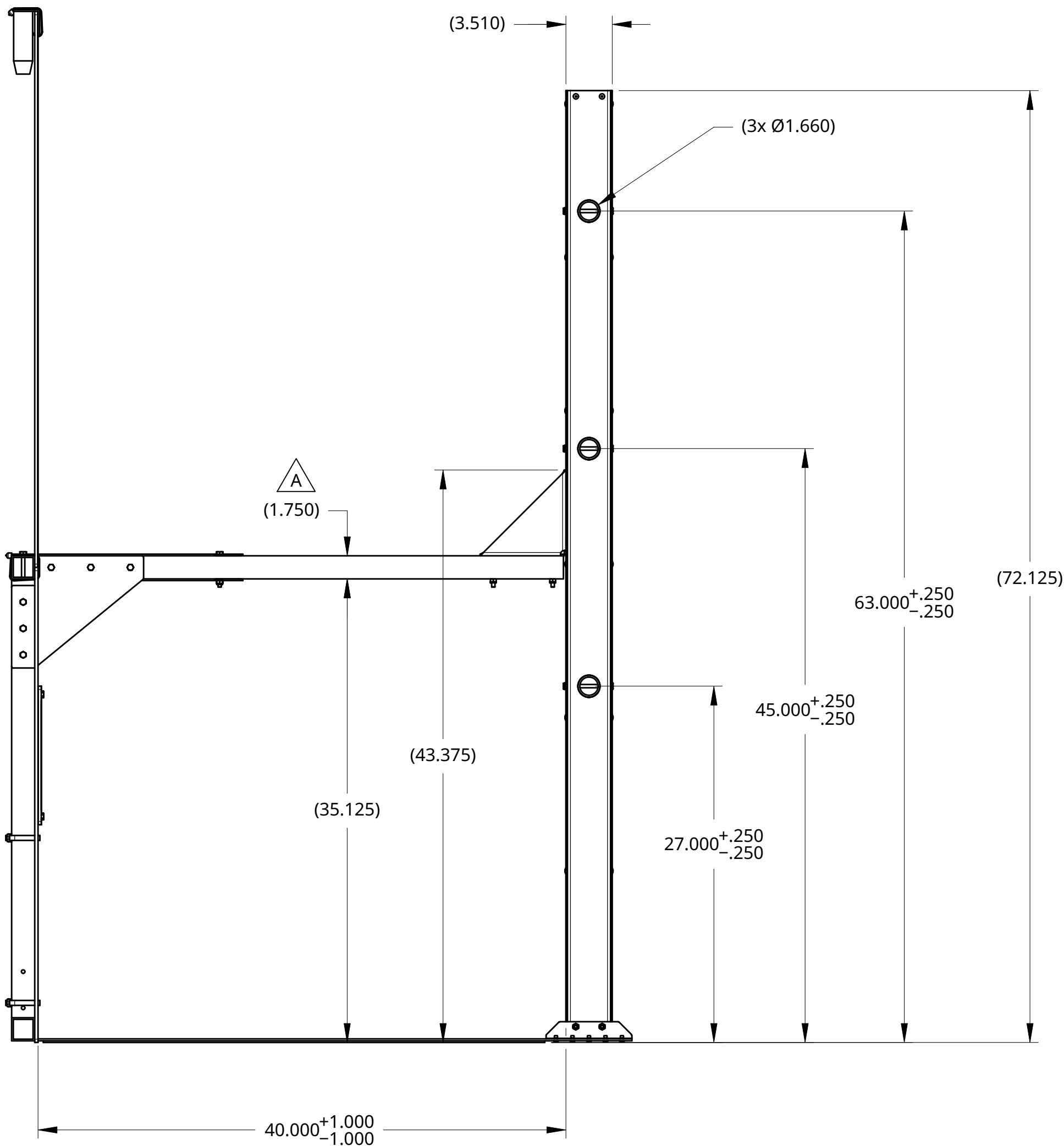
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±1.00 ANGULAR = ± 5° .XXX = ±0.250	FIELD	NAME	DATE	 FIRST ROBOTICS COMPETITION	
	DRAWN	DF	12/01/2025		
DO NOT SCALE DRAWING	MATERIAL <				

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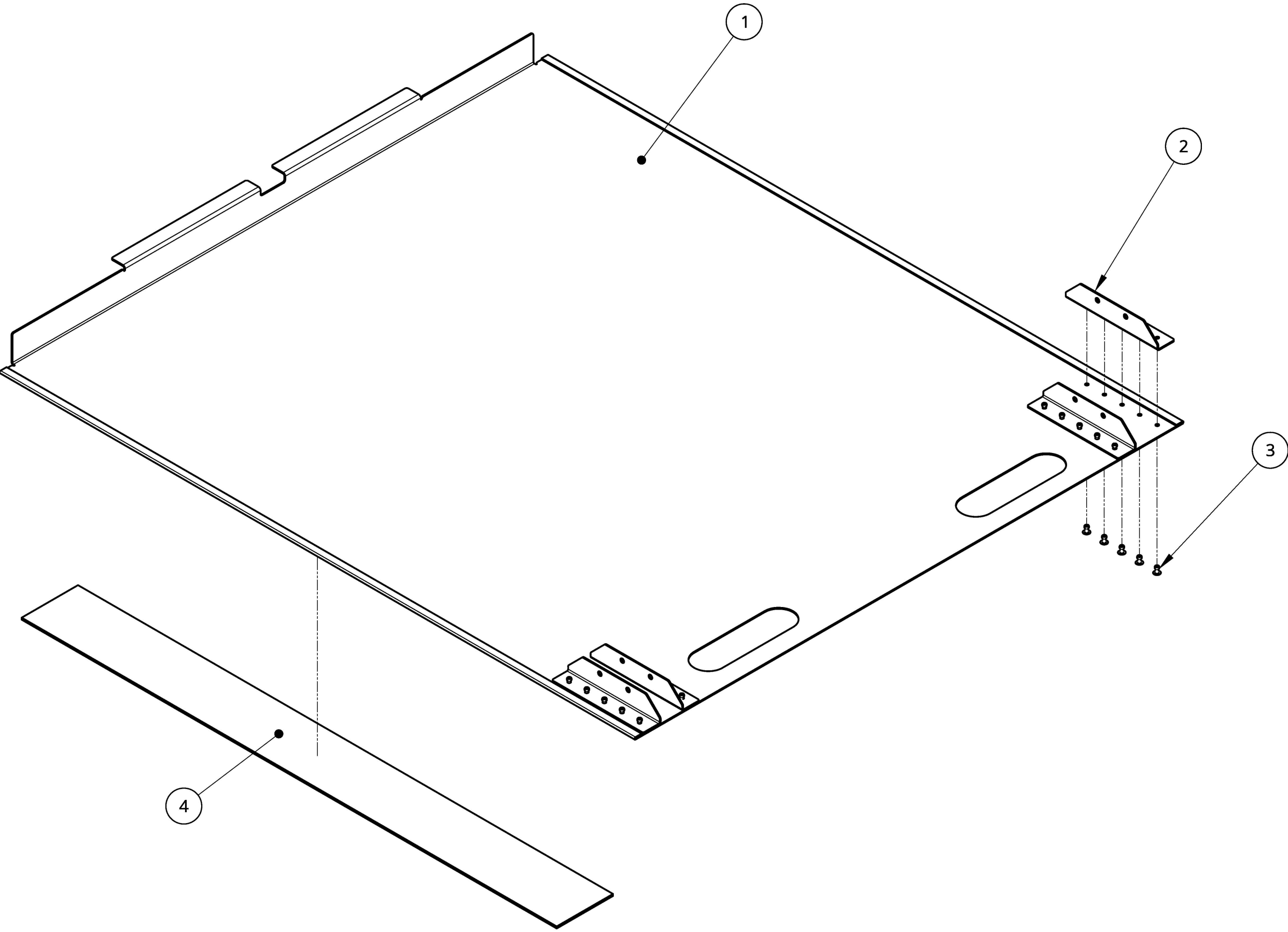
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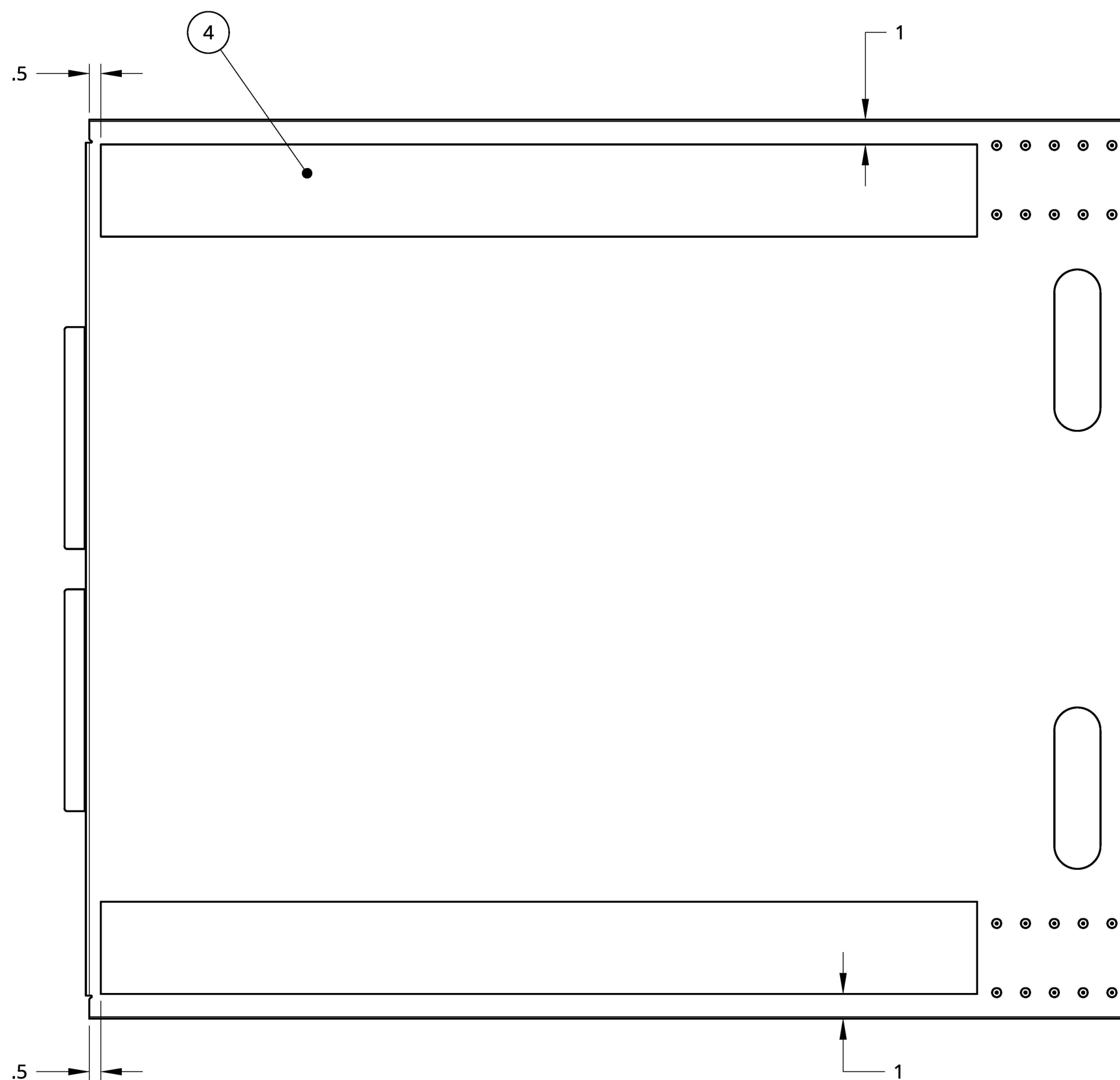


Item	Quantity	Part number	Description
1	1	GE-26501-01	Tower Base Bottom
2	4	GE-26501-02	Tower Base Angle
3	20		3/16in Rivet, 0.126-0.250in Grip Length
4	2	4in Wide Hook Tape	38in Long

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	BEND	NAME	DATE	
	DRAWN	DF	09/04/2025	
DO NOT SCALE DRAWING	MATERIAL 14 GA. STEEL, PAINT OR POWDER COAT BLACK			TITLE
BREAK ALL SHARP EDGES AND REMOVE BURRS				TOWER BASE
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE C
SCALE 1:5		SHEET 1 of 4		

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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES _XX = ±.01 ANGULAR = ± 1° _XXX = ±.005	BEND	NAME	DATE	 FIRST ROBOTICS COMPETITION
	DRAWN	DF	09/04/2025	
DO NOT SCALE DRAWING	MATERIAL 14 GA. STEEL, PAINT OR POWDER COAT BLACK			TITLE
BREAK ALL SHARP EDGES AND REMOVE BURRS				TOWER BASE
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST® . ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE C
			SCALE 1:5	SHEET 2 of 4

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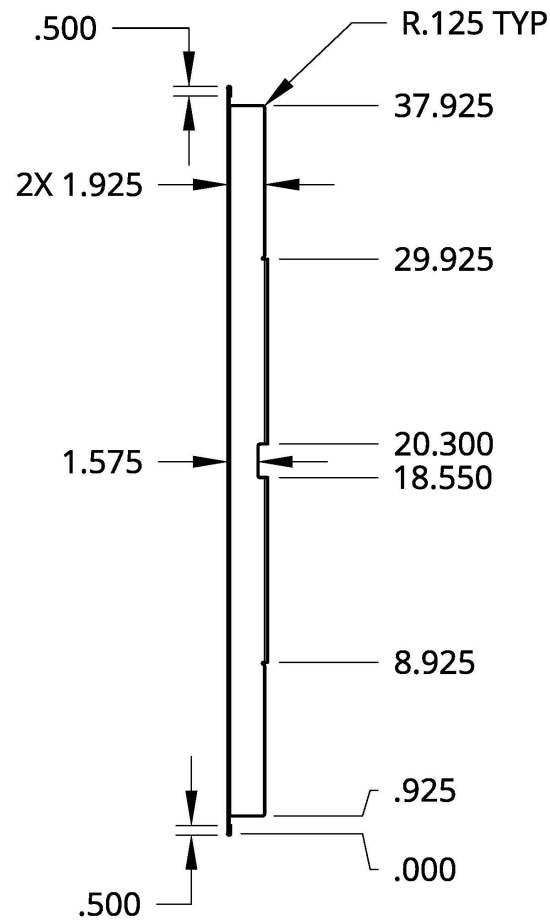
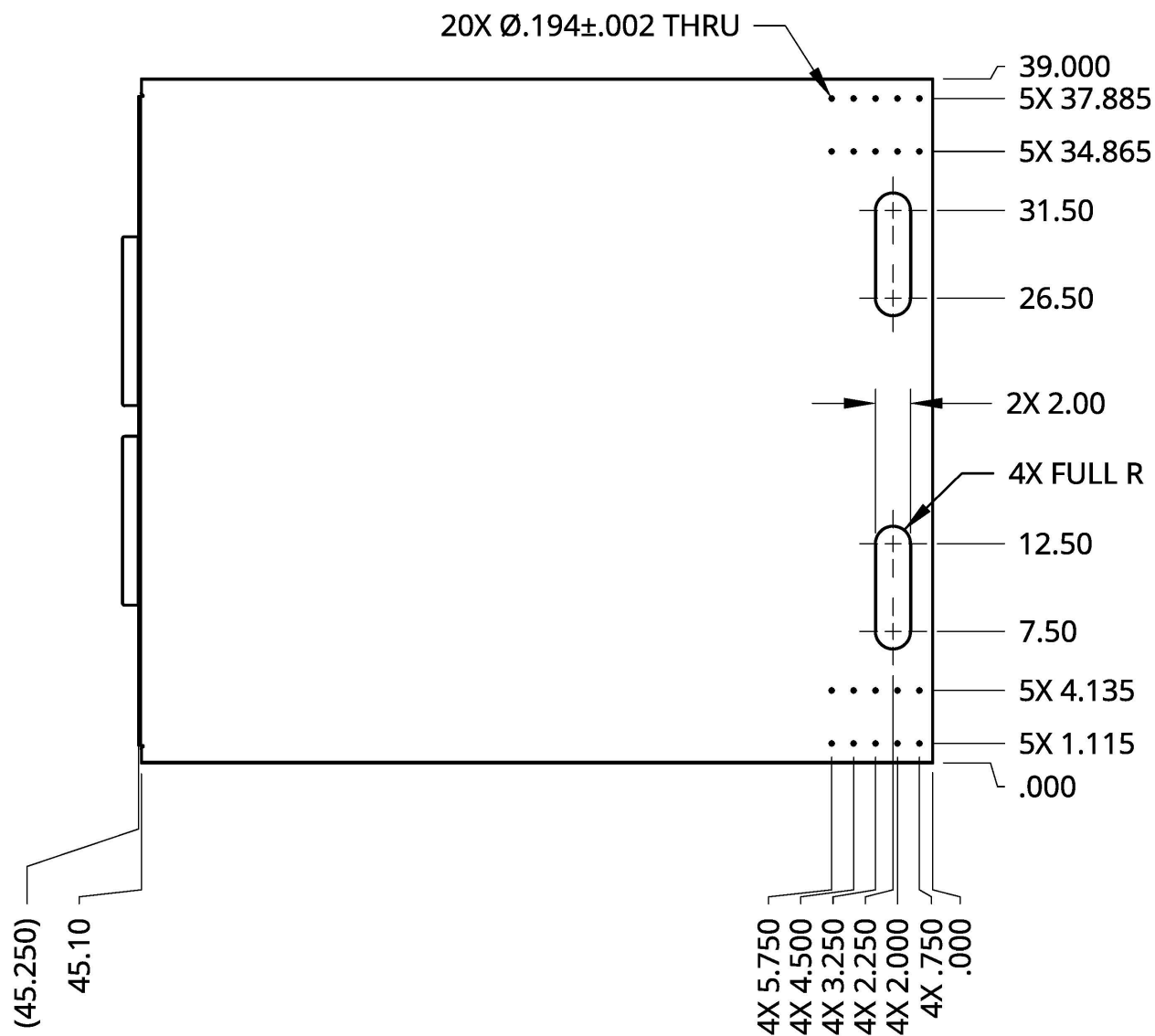
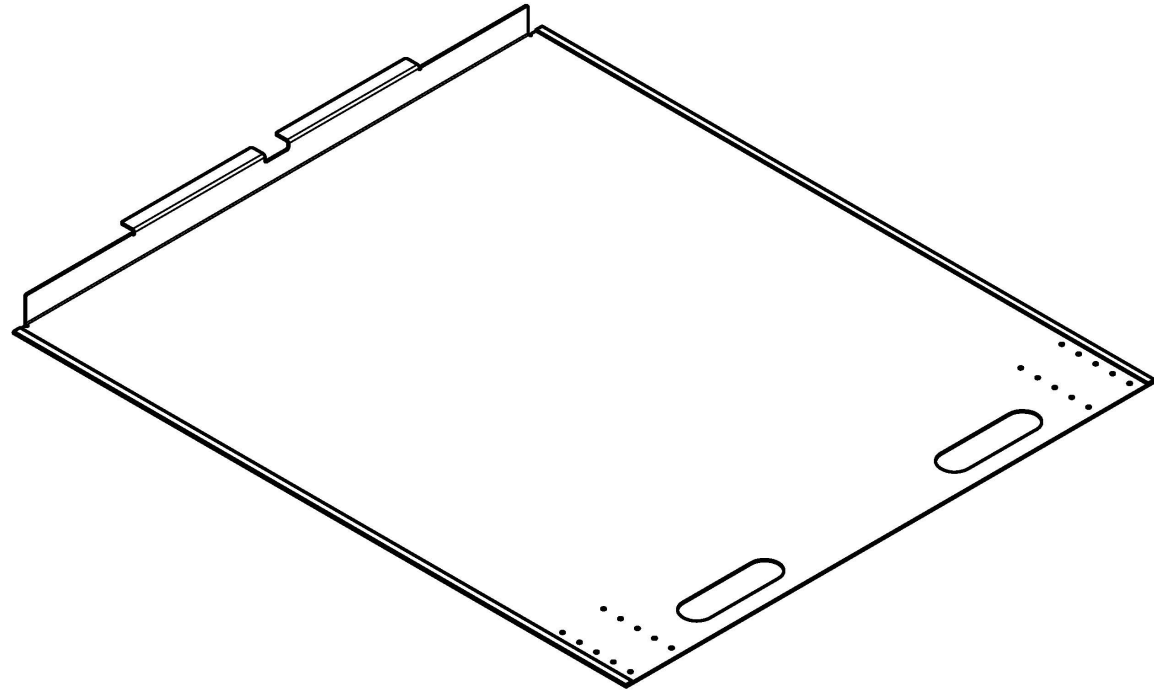
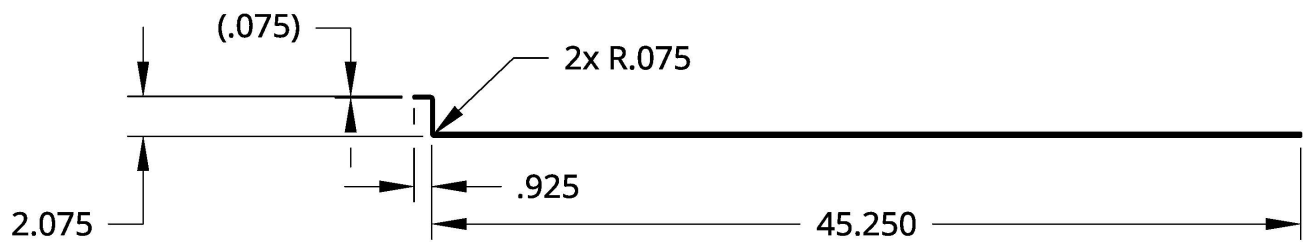
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	BEND	NAME	DATE		
	DRAWN	DF	09/04/2025		
	DO NOT SCALE DRAWING			TITLE	
BREAK ALL SHARP EDGES AND REMOVE BURRS	MATERIAL			TOWER BASE BOTTOM	
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.					
14 GA. A1008 STEEL, PAINT OR POWDER COAT BLACK		SIZE	DWG NO.	REV.	
		C	GE-26501-01		
		SCALE	1:10	SHEET	3 of 4

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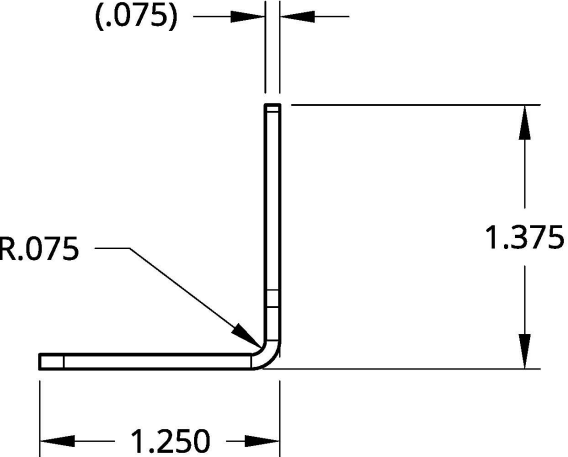
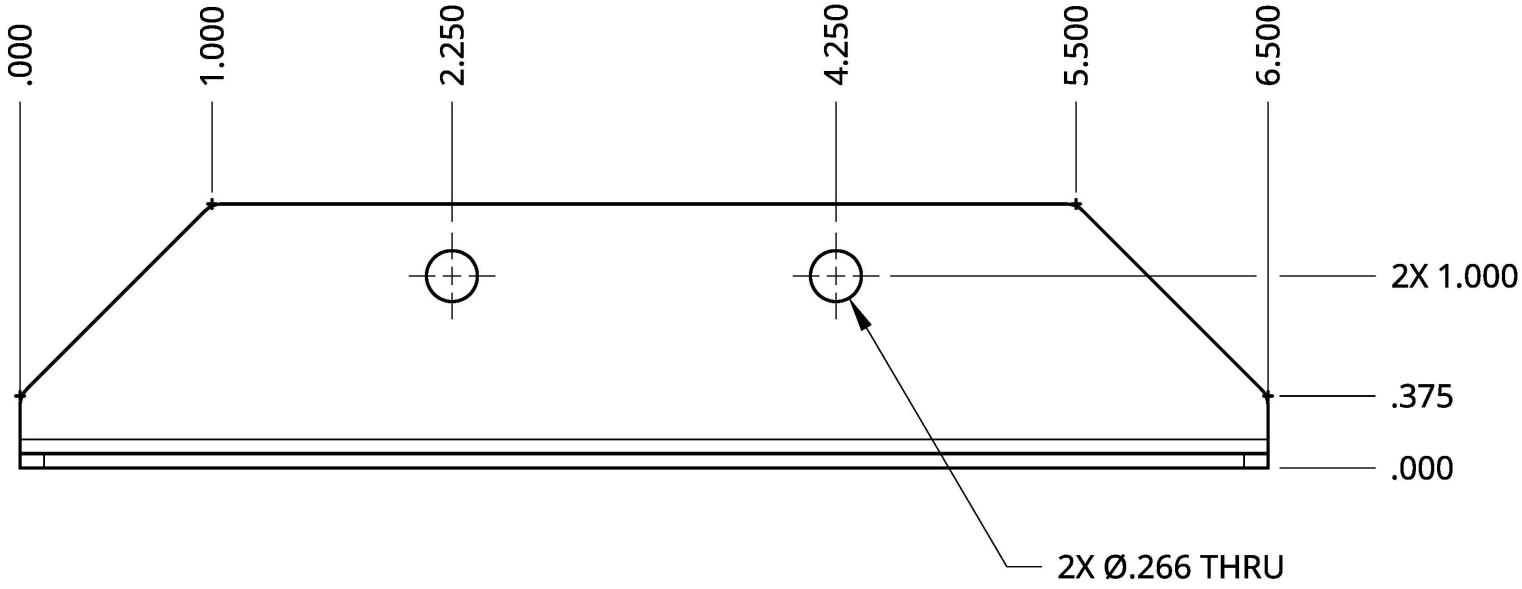
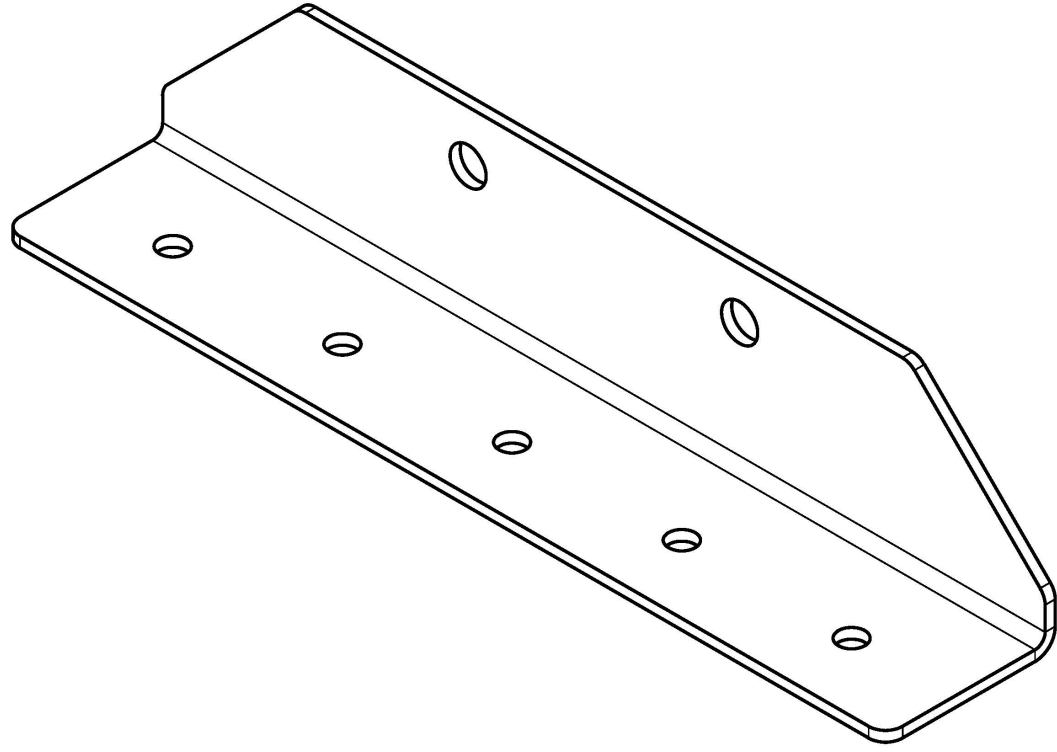
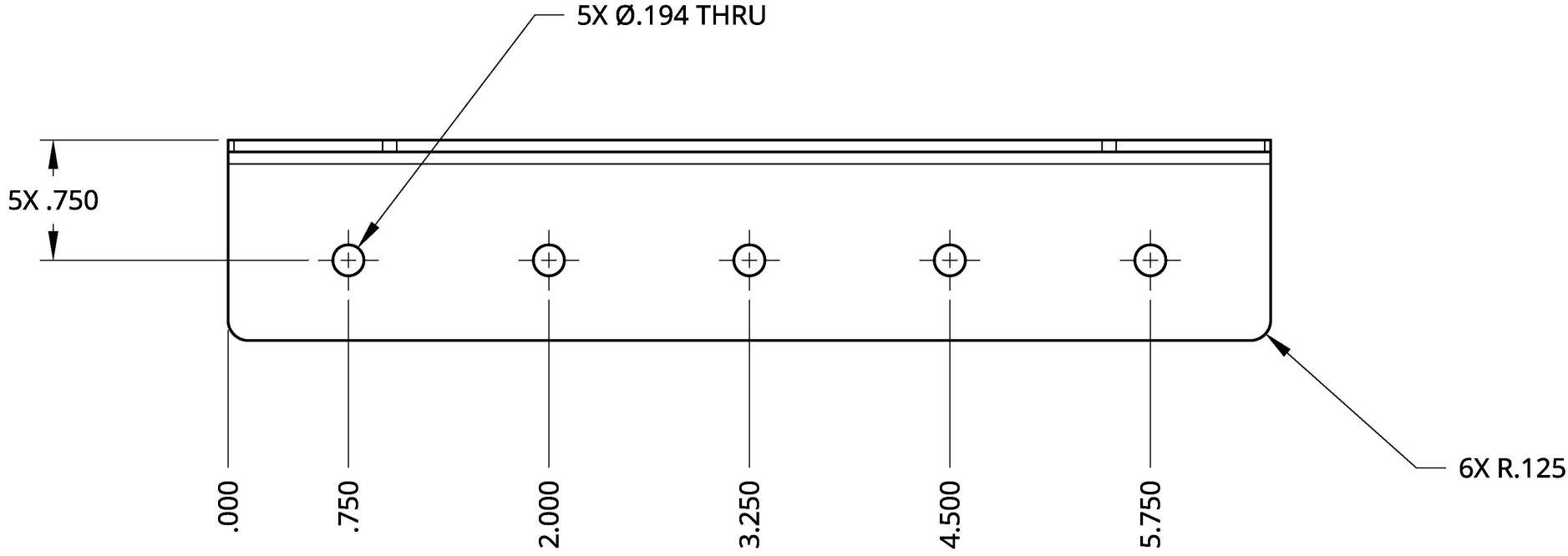
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005 DO NOT SCALE DRAWING BREAK ALL SHARP EDGES AND REMOVE BURRS PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF <i>FIRST</i> ®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF <i>FIRST</i> ® IS PROHIBITED.	BEND	NAME	DATE		
	DRAWN	DF	09/04/2025		
	MATERIAL			TITLE	
	14 GA. A1008 STEEL, PAINT OR POWDER COAT BLACK			TOWER BASE ANGLE	
SIZE		DWG NO.		REV.	
C		GE-26501-02			
SCALE		1:1		SHEET	
				4 of 4	

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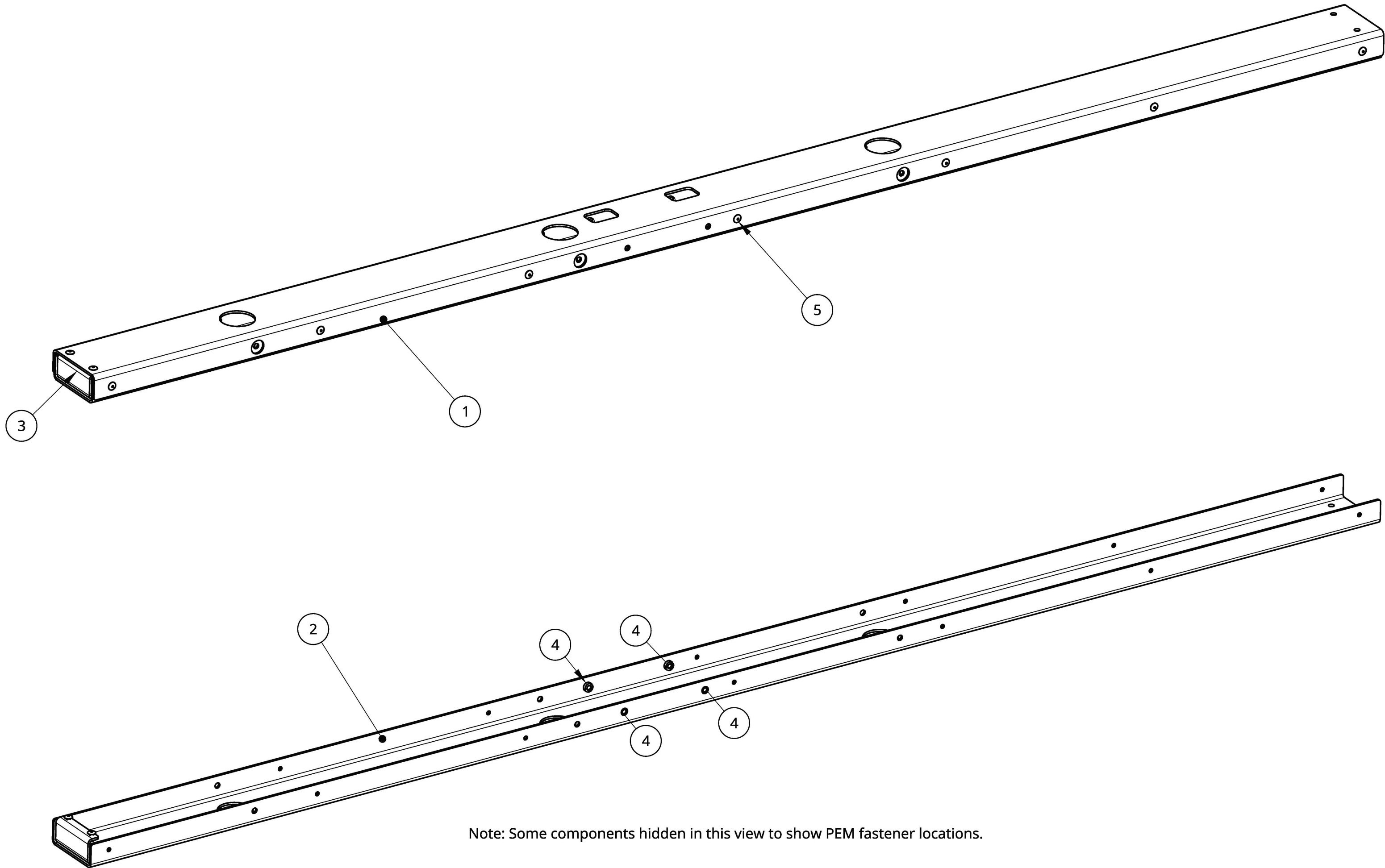
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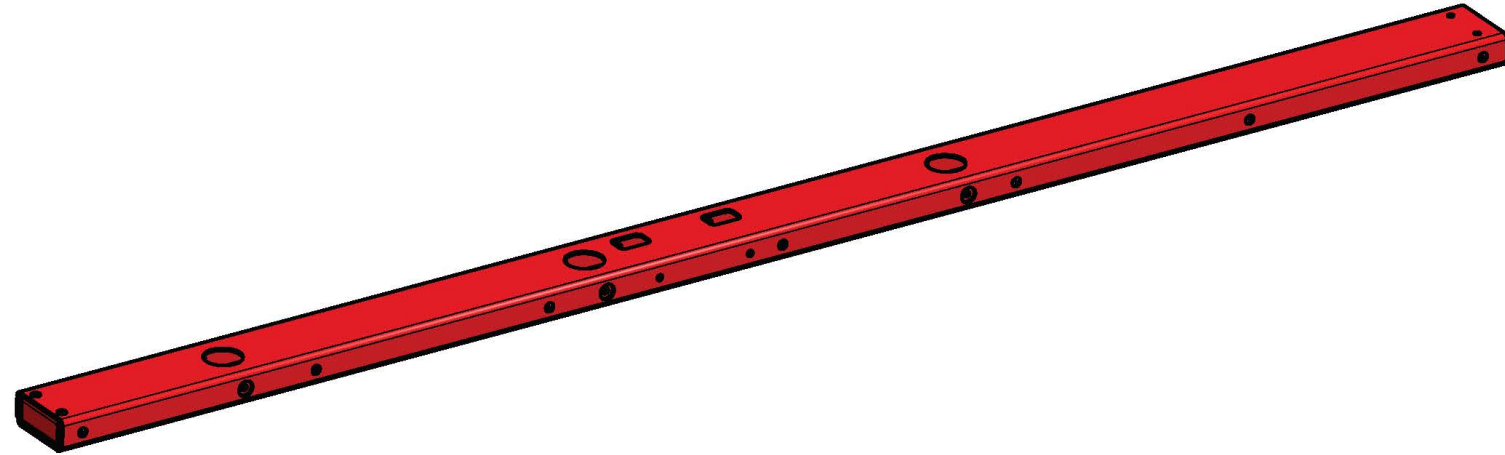
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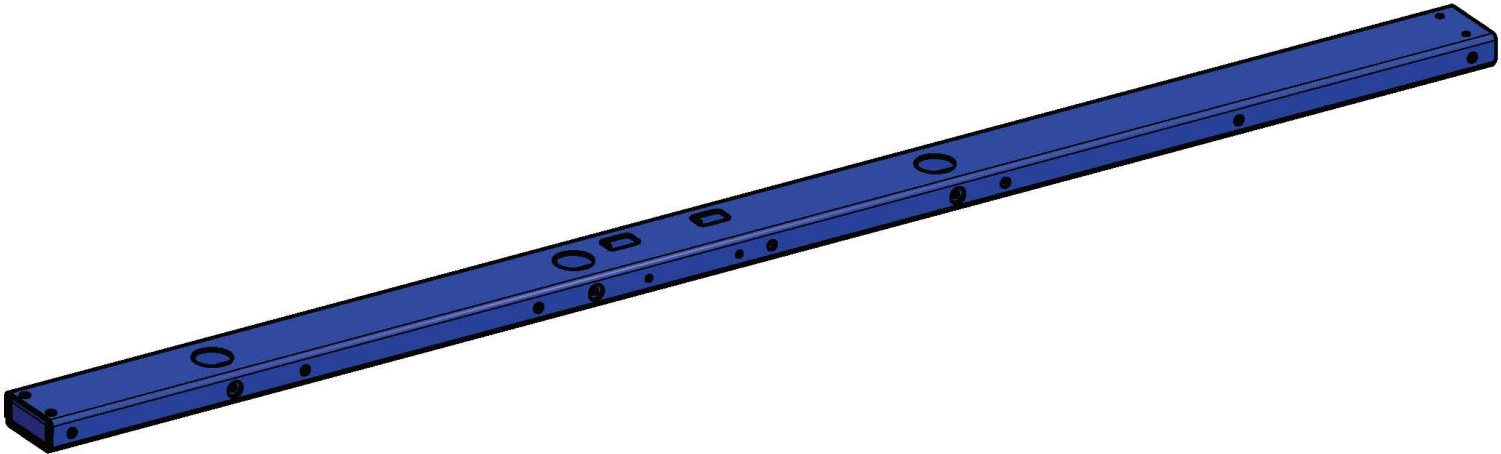


Note: Some components hidden in this view to show PEM fastener locations.

Item	Quantity	Part number			Description
1	1	GE-26502-01			Tower Upright Outer
2	1	GE-26502-02			Tower Upright Inner
3	1	GE-26502-03			Tower Upright Plug
4	4				PEM S-0420-3 ZI Carbon Steel Zinc plated
5	18				3/16in Rivet, 0.126-0.250in Grip Length
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005 DO NOT SCALE DRAWING BREAK ALL SHARP EDGES AND REMOVE BURRS PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.		BEND	NAME	DATE	
		DRAWN	DF	09/04/2025	
		MATERIAL			TITLE
		12 GA. A1008 STEEL, POWDER COATED			TOWER UPRIGHT
					SIZE C
					DWG NO. GE-26502
					REV.
					SCALE 1:4
					SHEET 1 of 5



GE-26502-RED



GE-25602-BLUE

Part Number	Powder Coat Brand	Powder Coat Description
GE-26502-RED	Tiger Drylac	Bengal Red Formula #149/33333, smooth glossy
GE-26502-BLUE	Tiger Drylac	Bengal Blue Formula #149/44444, smooth glossy

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES
.XX = ±.01 ANGULAR = ± 1°
.XXX = ±.005

DO NOT SCALE DRAWING

BREAK ALL SHARP EDGES AND
REMOVE BURRS

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN
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PROPERTY OF FIRST®. ANY
REPRODUCTION IN PART OR AS A
WHOLE WITHOUT THE WRITTEN
PERMISSION OF FIRST® IS
PROHIBITED.

BEND

DRAWN

MATERIAL

12 GA. A1008
STEEL, POWDER
COATED

NAME

DF

DATE

09/04/2025



TOWER UPRIGHT

SIZE
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DWG NO.
GE-26502

REV.

SCALE
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SHEET
2 of 5

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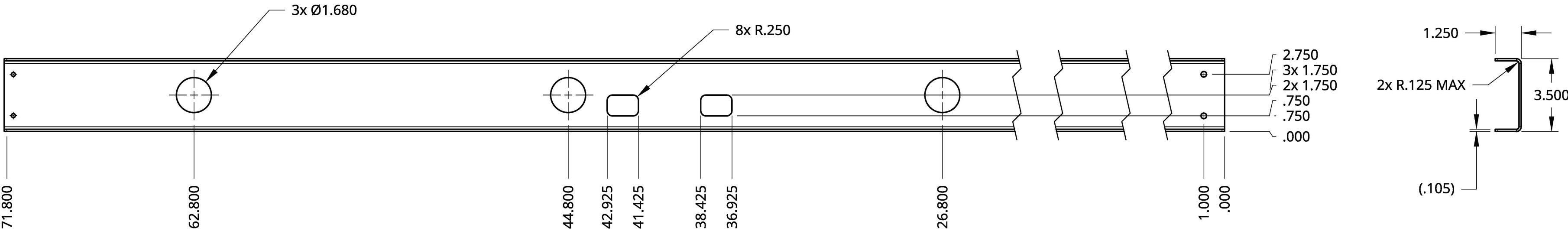
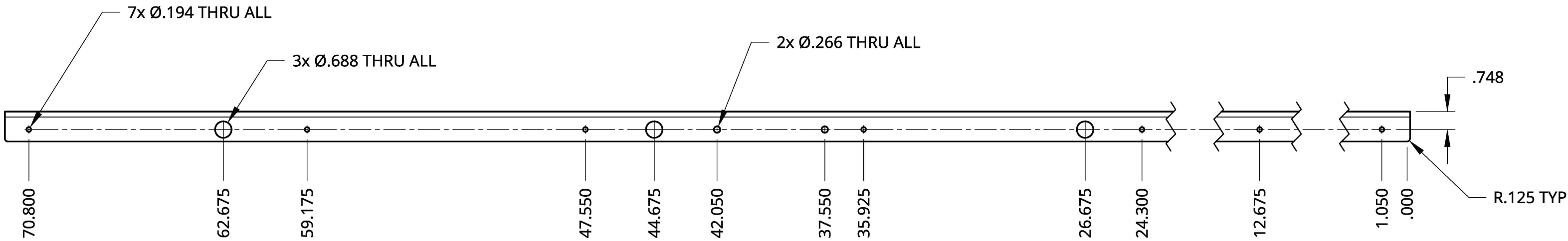
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	BEND	NAME	DATE				
	DRAWN	DF	09/04/2025				
DO NOT SCALE DRAWING	MATERIAL 12 GA. A1008 STEEL, POWDER COATED			TITLE			
BREAK ALL SHARP EDGES AND REMOVE BURRS				TOWER UPRIGHT OUTER			
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®, ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE	DWG NO.	REV.	
				C	GE-26502-01		
				SCALE	1:4	SHEET	3 of 5

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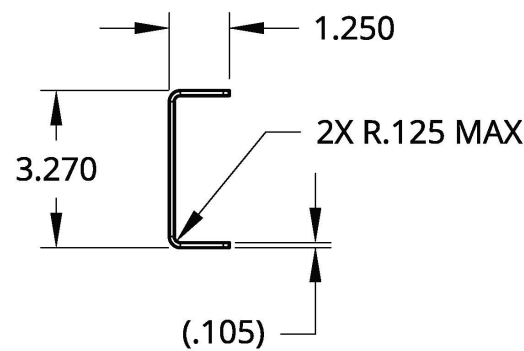
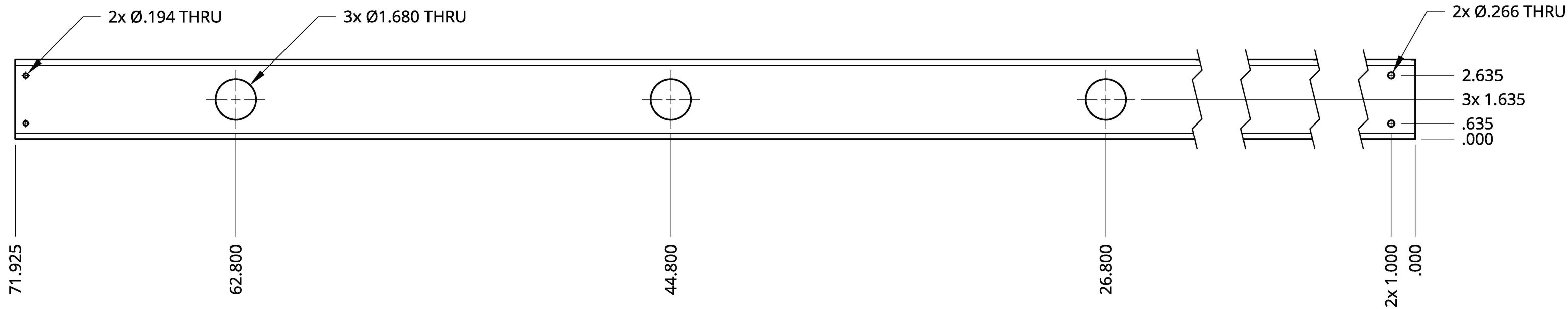
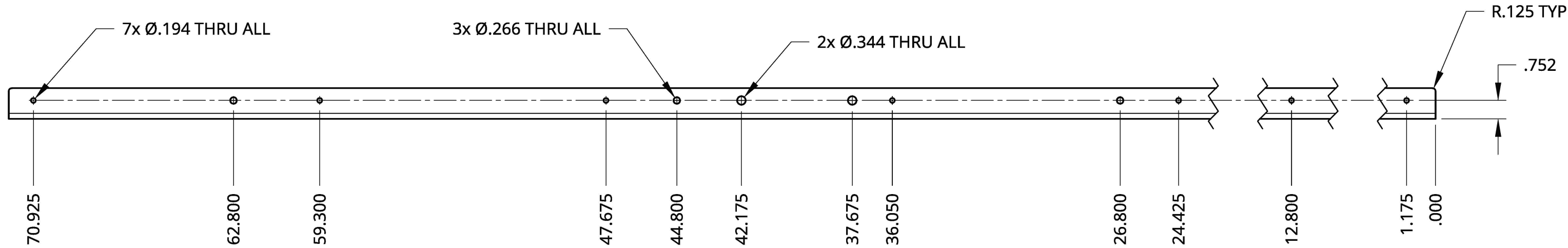
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	BEND	NAME	DATE		
	DRAWN	DF	09/04/2025		
	MATERIAL			TITLE	
DO NOT SCALE DRAWING	12 GA. A1008 STEEL, POWDER COATED			TOWER UPRIGHT INNER	
BREAK ALL SHARP EDGES AND REMOVE BURRS				SIZE C	DWG NO. GE-26502-02
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SCALE 1:4	REV. 4 of 5

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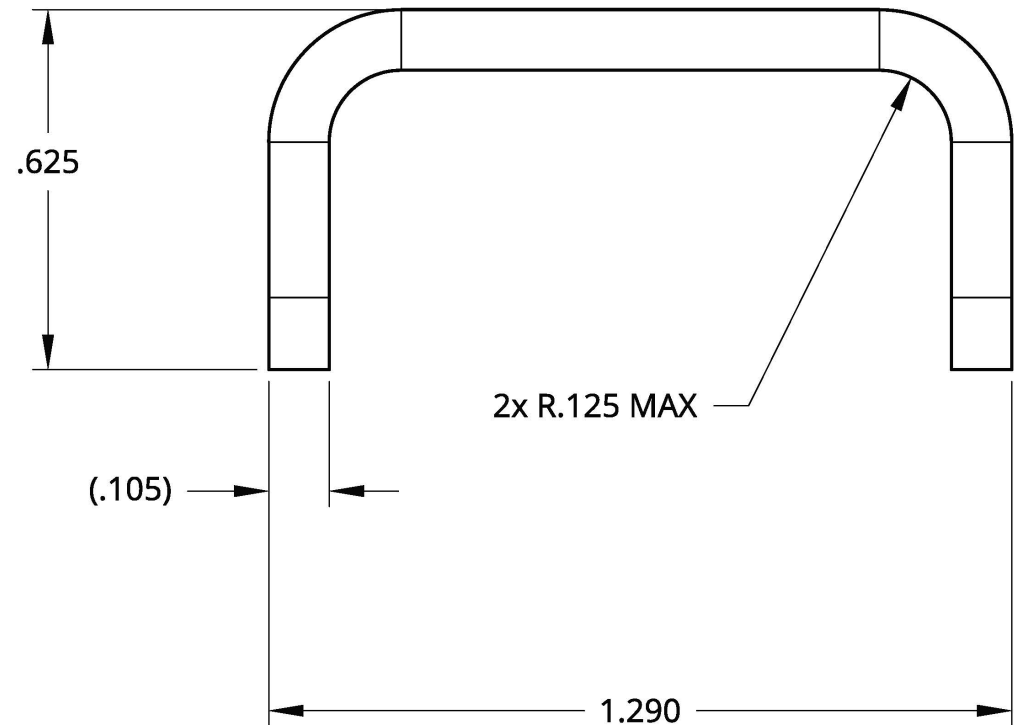
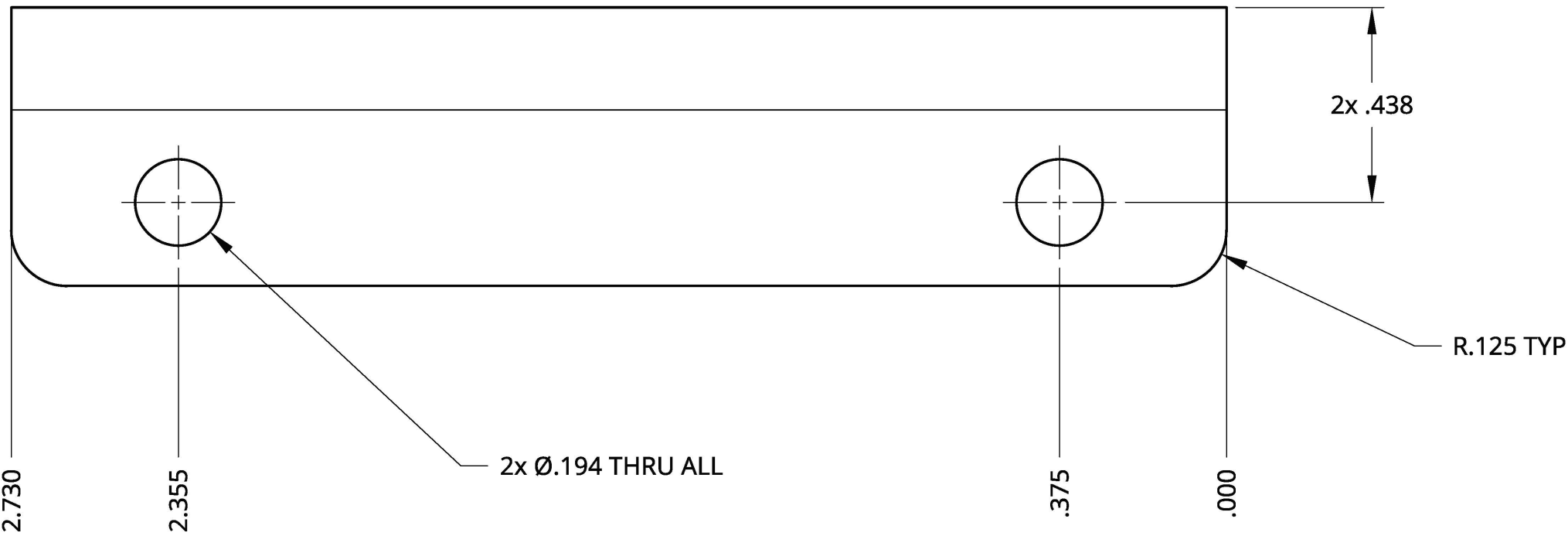
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	BEND	NAME	DATE	 FIRST ROBOTICS COMPETITION		
	DRAWN	DF	09/04/2025			
DO NOT SCALE DRAWING	MATERIAL 12 GA. A1008 STEEL, POWDER COATED			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				TOWER UPRIGHT PLUG		
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE C	DWG NO. GE-26502-03	REV.
				SCALE 3:1	SHEET 5 of 5	

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(Ø1.660)

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40.375

6.625

2X Ø.266 THRU

GE-26503-BLUE

GE-26503-RED

Part Number	Powder Coat Brand	Powder Coat Description
GE-26503-RED	Tiger Drylac	Bengal Red Formula #149/33333, smooth glossy
GE-26503-BLUE	Tiger Drylac	Bengal Blue Formula #149/44444, smooth glossy

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE			
	DRAWN	DF	09/04/2025			
DO NOT SCALE DRAWING	MATERIAL 1-1/4" SCHEDULE 40 PIPE, 6061 ALUMINUM, POWDER COATED			TITLE TOWER RUNG		
BREAK ALL SHARP EDGES AND REMOVE BURRS						
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE C	DWG NO. GE-26503	REV.
				SCALE 1:2	SHEET 1 of 1	

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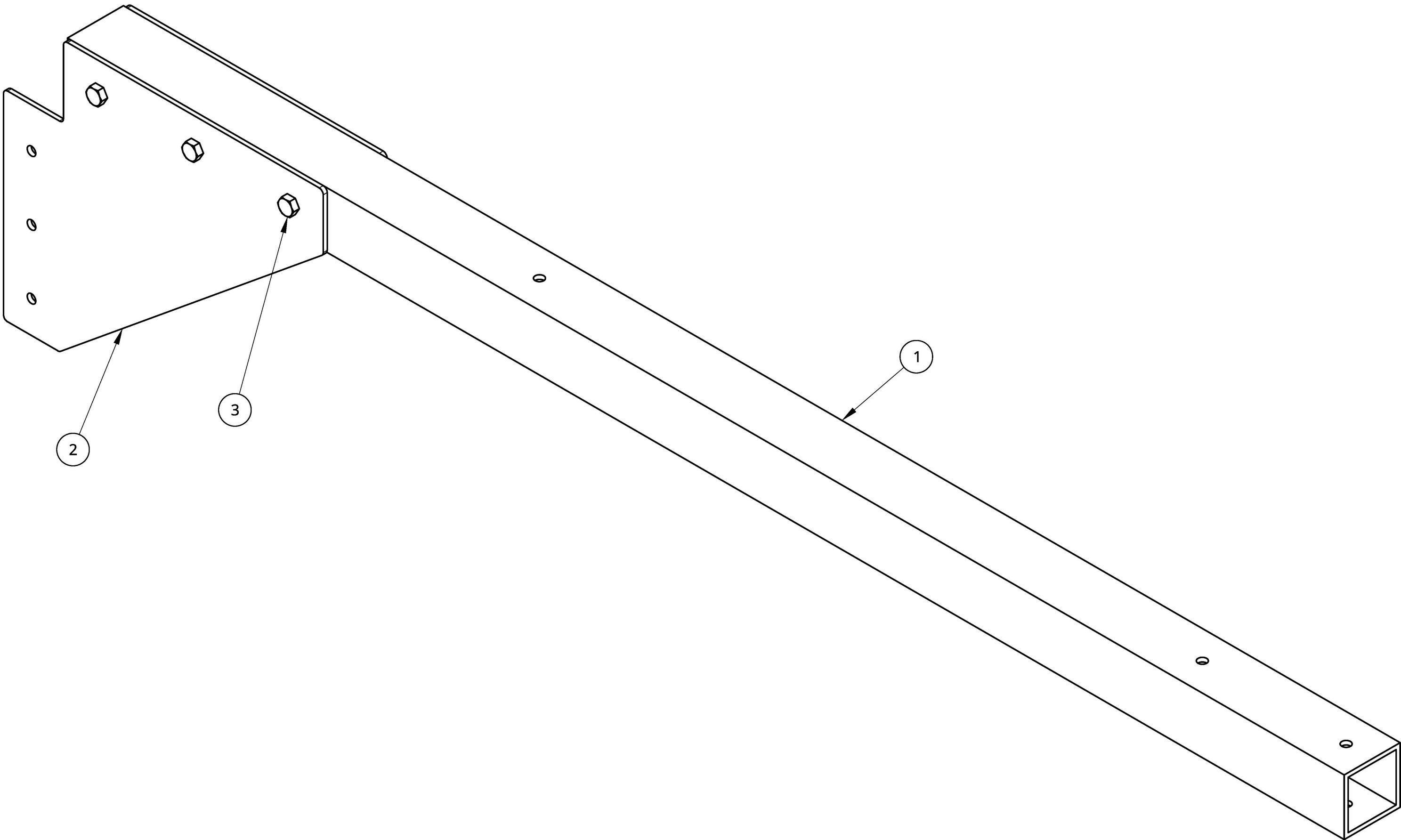
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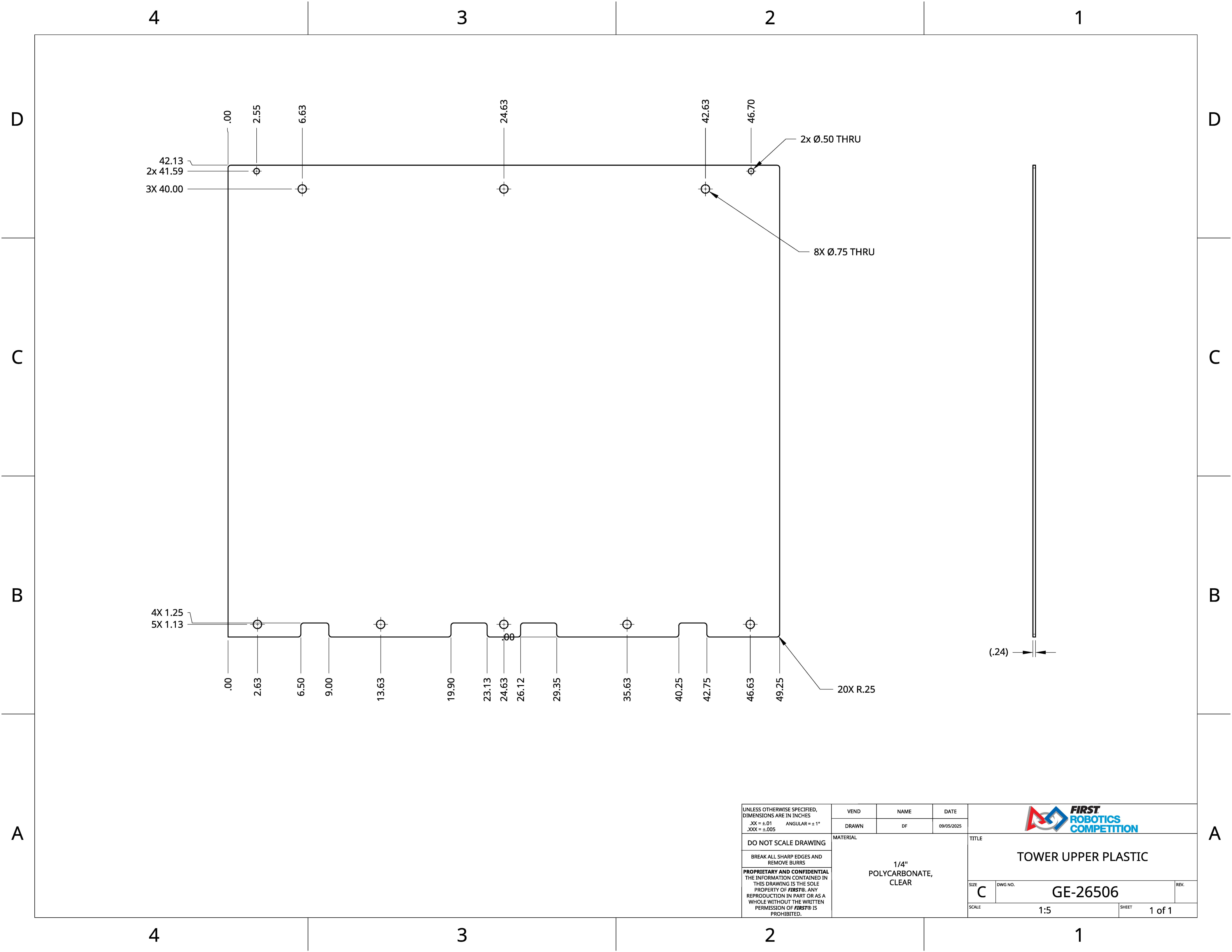
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Item	Quantity	Part number	Description
1	1	GE-26510	Tower Support Tube
2	2	GE-26509	Tower Support Gusset
3	3		Hex bolt 1/4-20 x 2.5 Stainless Steel
4	3		Hex lock nut with nylon insert 1/4-20 Stainless Steel

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005 DO NOT SCALE DRAWING BREAK ALL SHARP EDGES AND REMOVE BURRS PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF <i>FIRST</i> ®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF <i>FIRST</i> ® IS PROHIBITED.	VEND	NAME	DATE		
	DRAWN	DEREK	09/10/2025		
	MATERIAL			TITLE	
				TOWER UPRIGHT SUPPORT	
SIZE		DWG NO.		REV.	
C		GE-26504			
SCALE		1:2		SHEET	1 of 1



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE		
	DRAWN	DF	09/05/2025		
	MATERIAL			TITLE	
DO NOT SCALE DRAWING	1/4" POLYCARBONATE, CLEAR			TOWER UPPER PLASTIC	
BREAK ALL SHARP EDGES AND REMOVE BURRS				SIZE C	DWG NO. GE-26506
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SCALE 1:5	REV. 1 of 1

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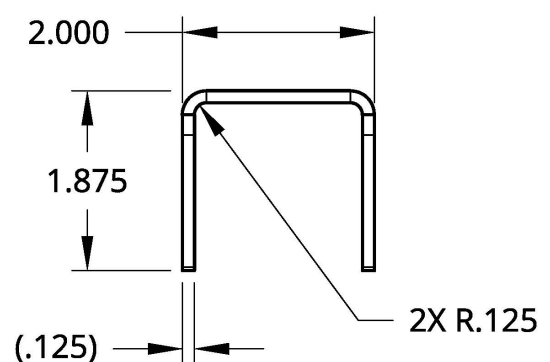
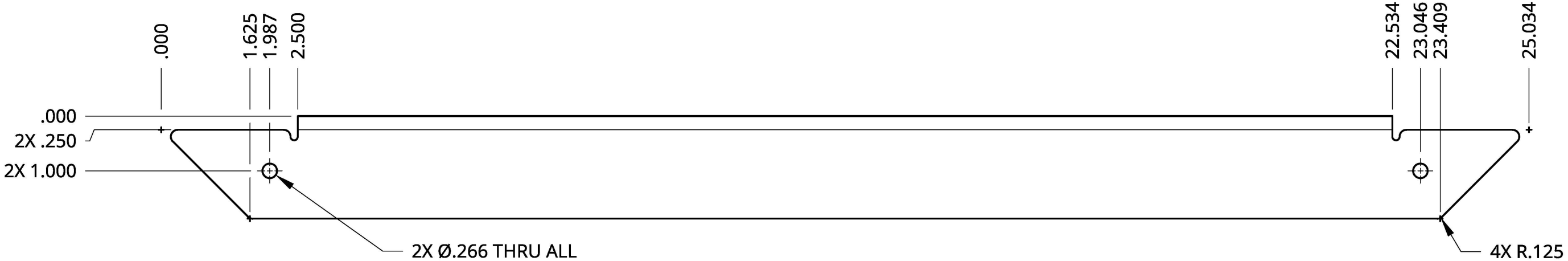
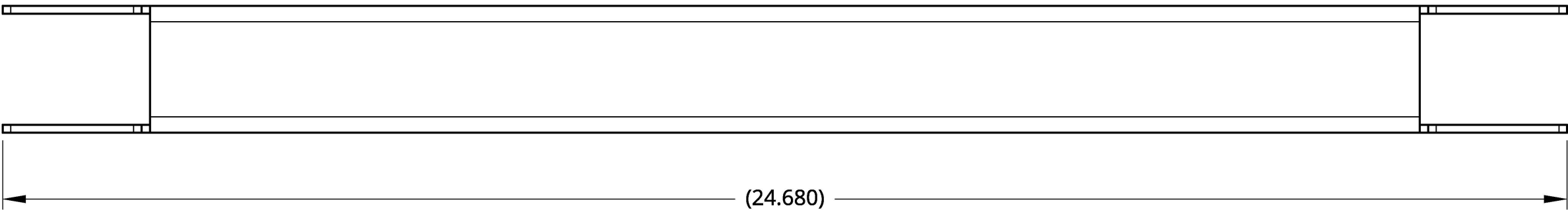
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	BEND	NAME	DATE			
	DRAWN	DF	09/05/2025			
DO NOT SCALE DRAWING	MATERIAL 1/8" 5052 ALUMINUM			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				TOWER BRACE		
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE	DWG NO.	REV.
				C	GE-26507	
				SCALE	1:2	SHEET

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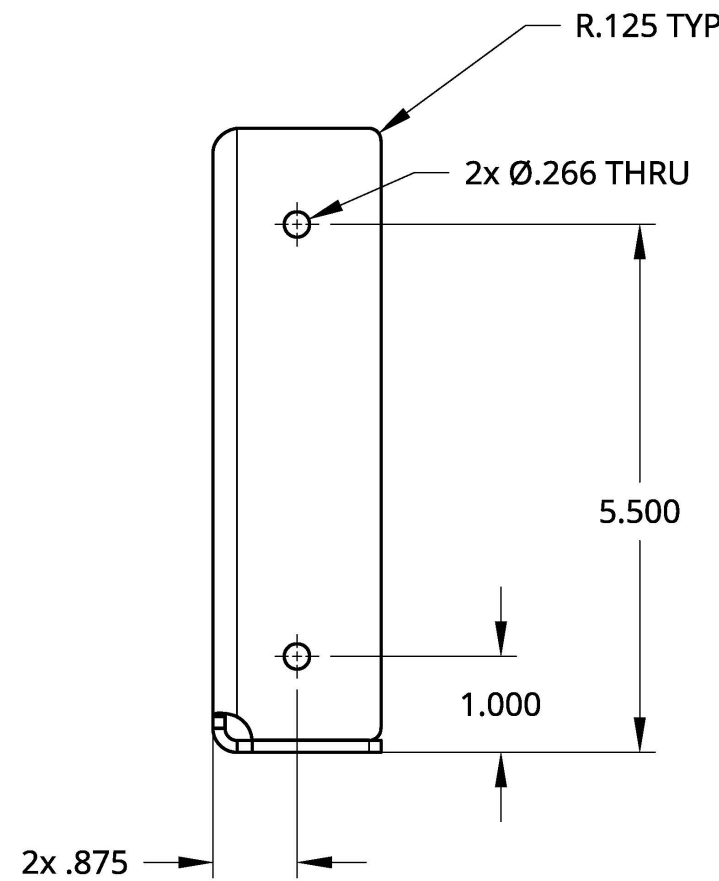
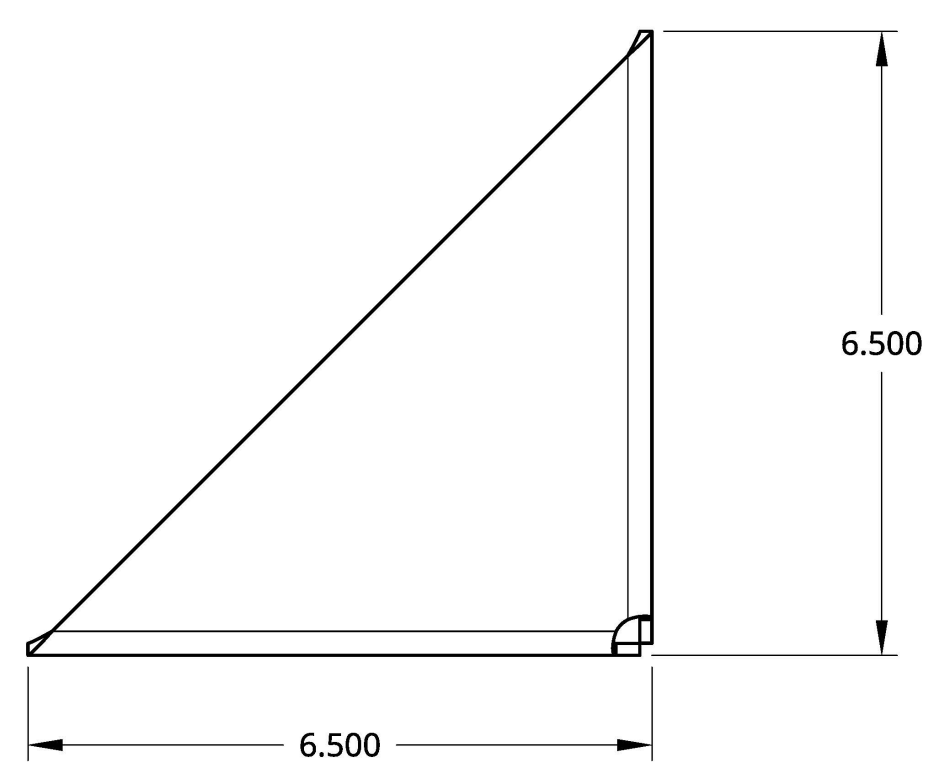
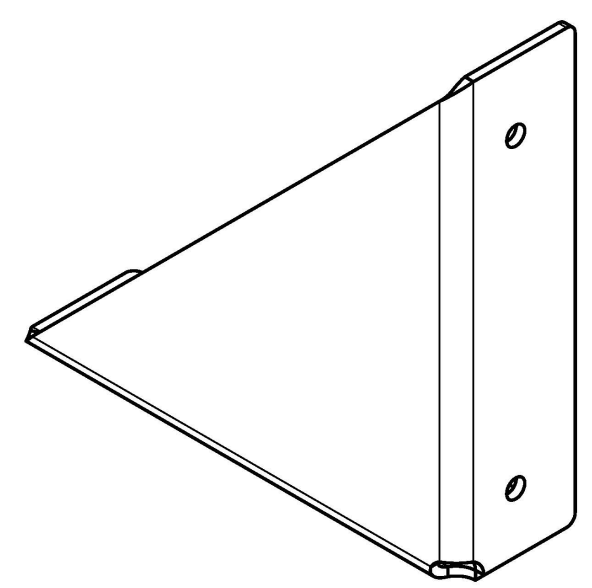
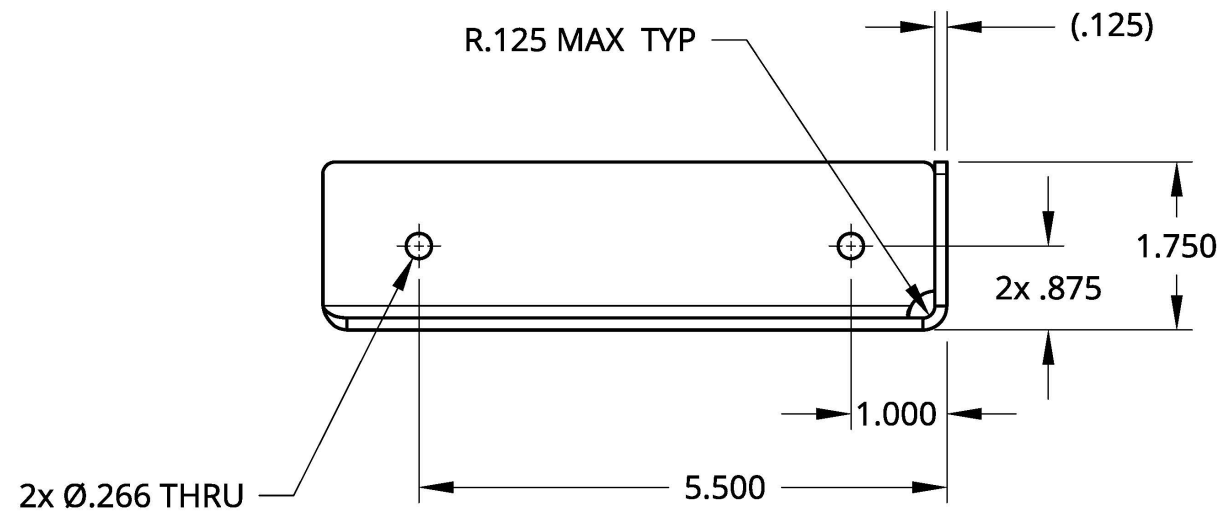
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	BEND	NAME	DATE			
	DRAWN	DF	10/02/2025			
DO NOT SCALE DRAWING	MATERIAL 1/8" 5052 ALUMINUM SHEET			TITLE TOWER UPRIGHT GUSSET		
BREAK ALL SHARP EDGES AND REMOVE BURRS						
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST® . ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE C	DWG NO. GE-26508	REV.
SCALE 1:2				SHEET 1 of 1		

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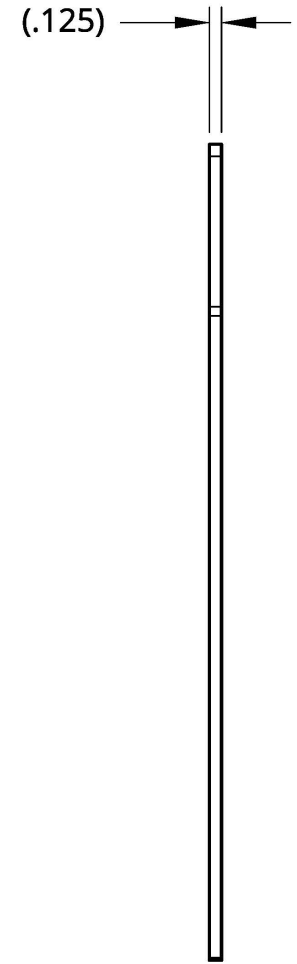
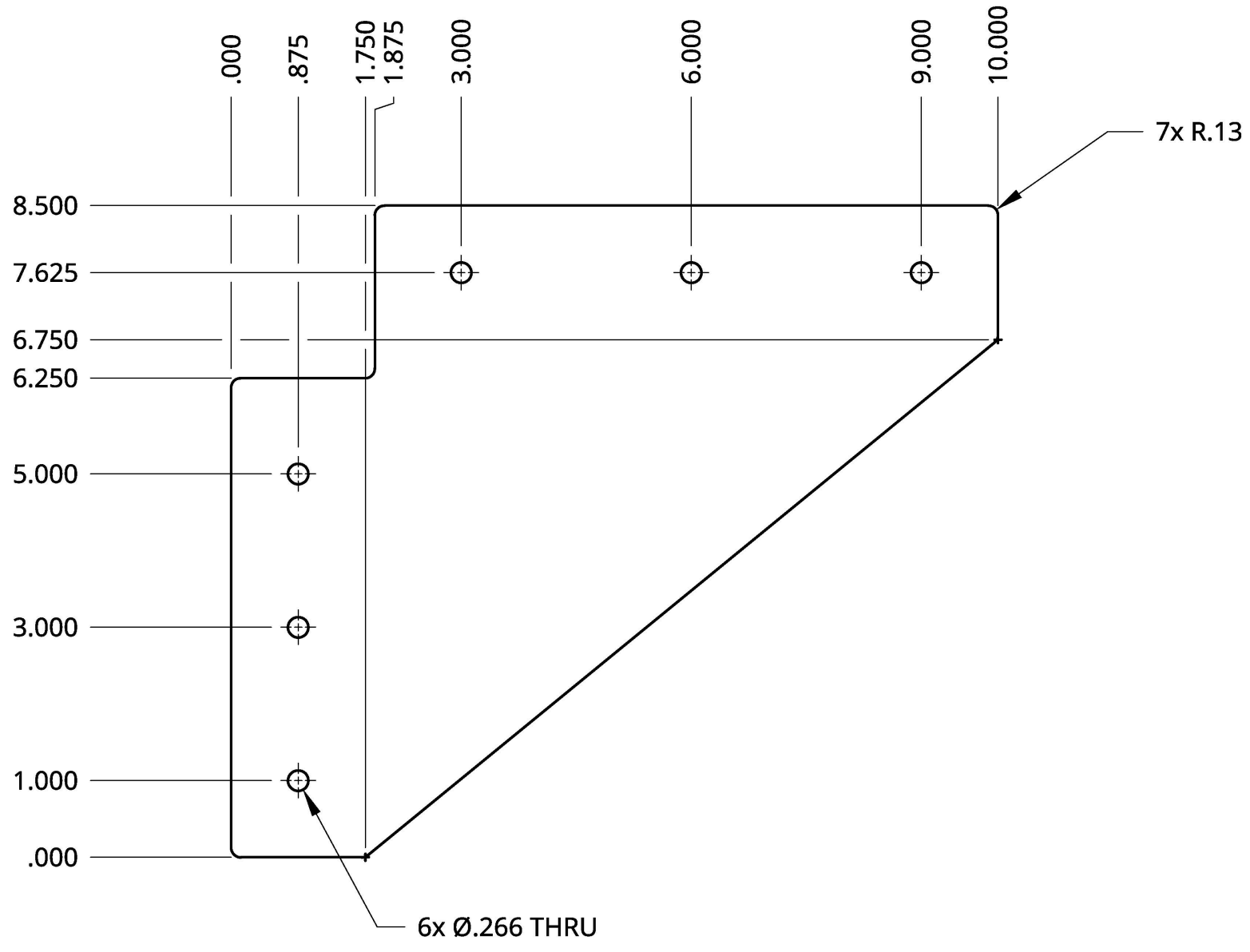
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE			
	DRAWN	DF	10/02/2025			
DO NOT SCALE DRAWING	MATERIAL 1/8" 5052 ALUMINUM			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				TOWER SUPPORT GUSSET		
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE C	DWG NO. GE-26509	REV.
				SCALE 1:2	SHEET 1 of 1	

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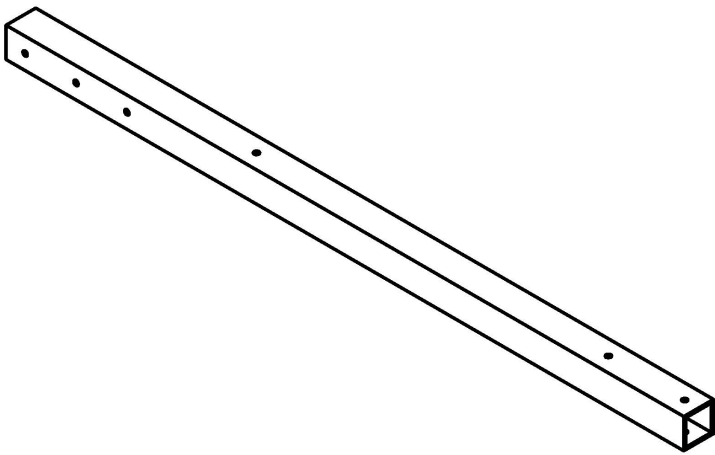
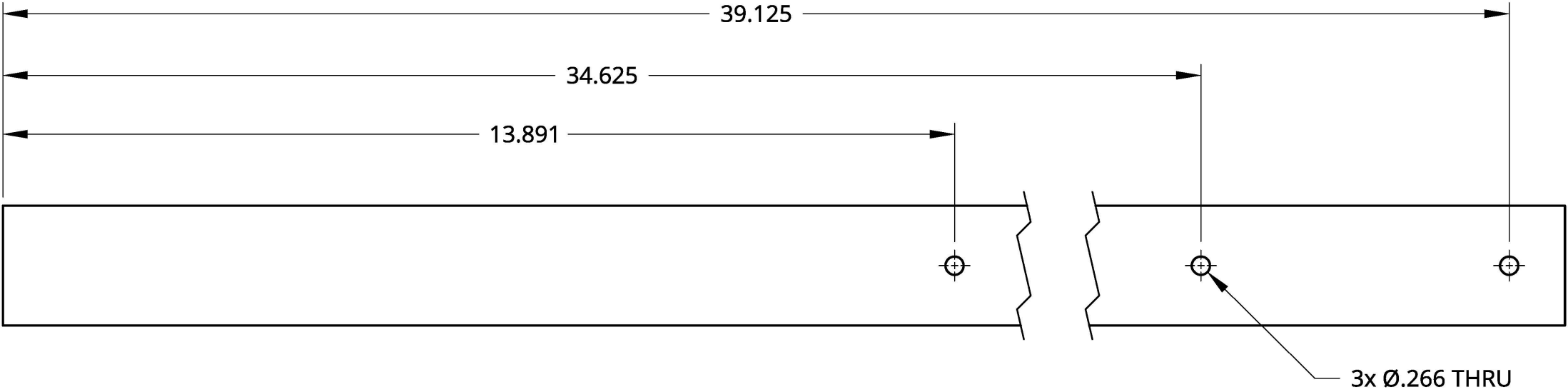
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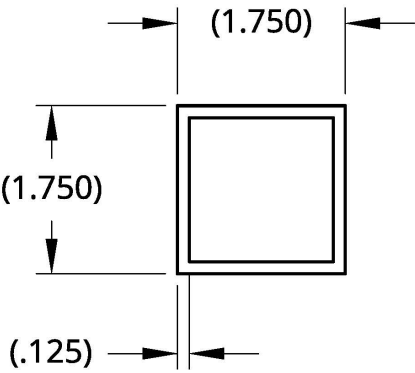
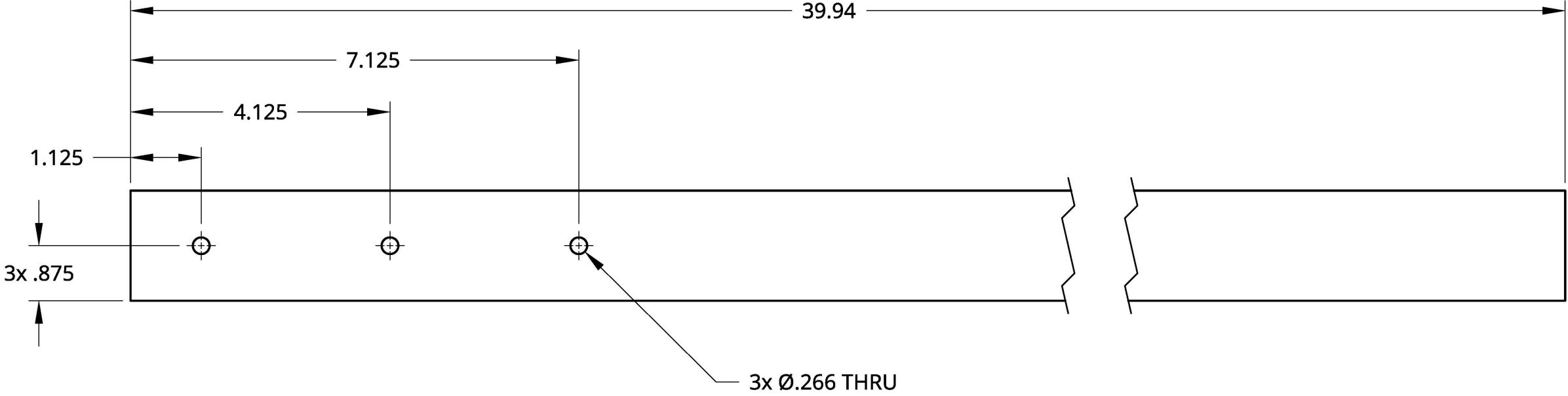
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SCALE 1:8



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE			
	DRAWN	DF	10/02/2025			
DO NOT SCALE DRAWING	MATERIAL 6061 ALUMINUM 1.75" X 1.75" X .125" BOX TUBE			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				TOWER SUPPORT TUBE		
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE	DWG NO.	REV.
				C	GE-26510	
	SCALE 1:2		SHEET	1 of 1		

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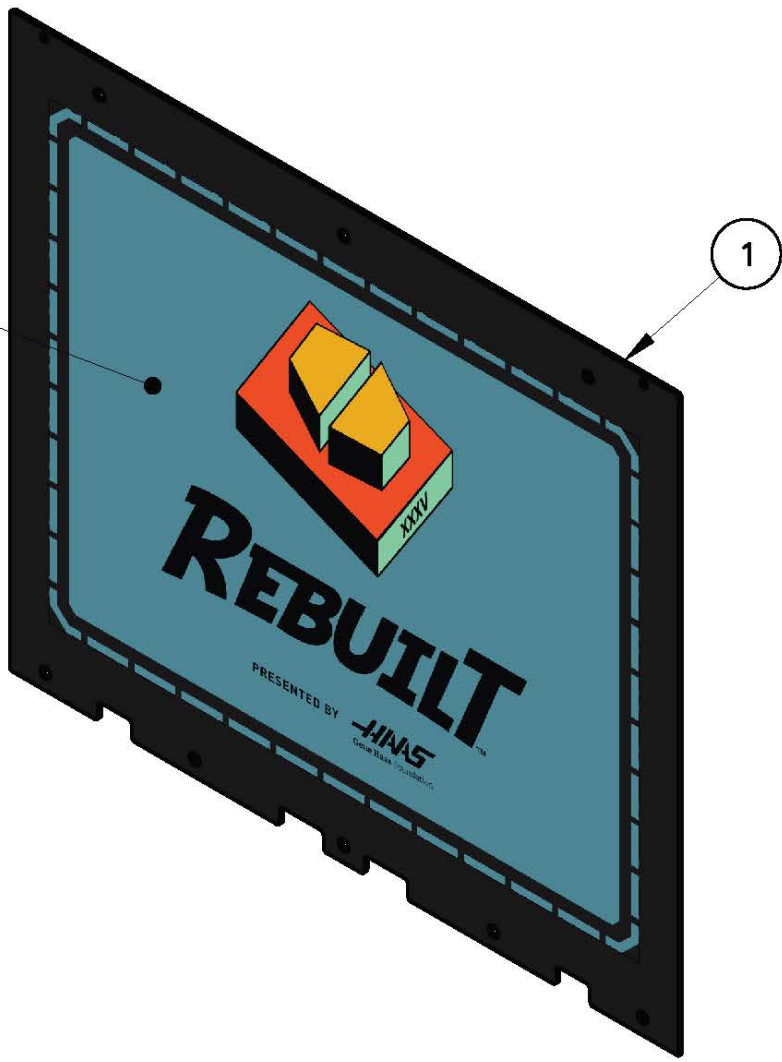
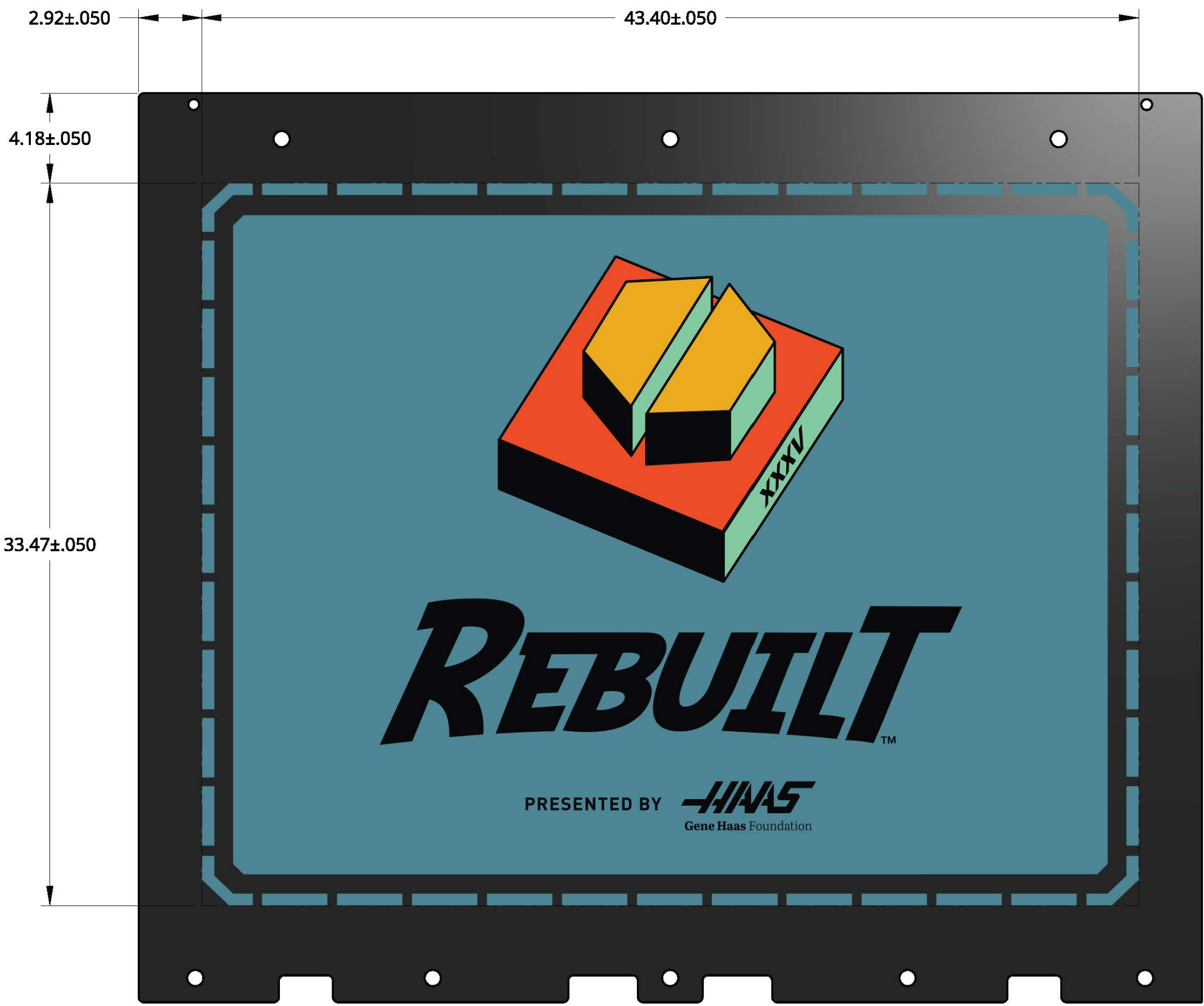
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SCALE 1:10

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- NOTES:
1. Printed vinyl applied to the FRONT side of clear polycarbonate panel.
 2. See GE-26511-Deco.eps for print graphics.

Item	Quantity	Part number	Description
1	1	GE-26506	Tower Upper Plastic
2	1	E-26511-Vinyl	Tower Upper Plastic Vinyl

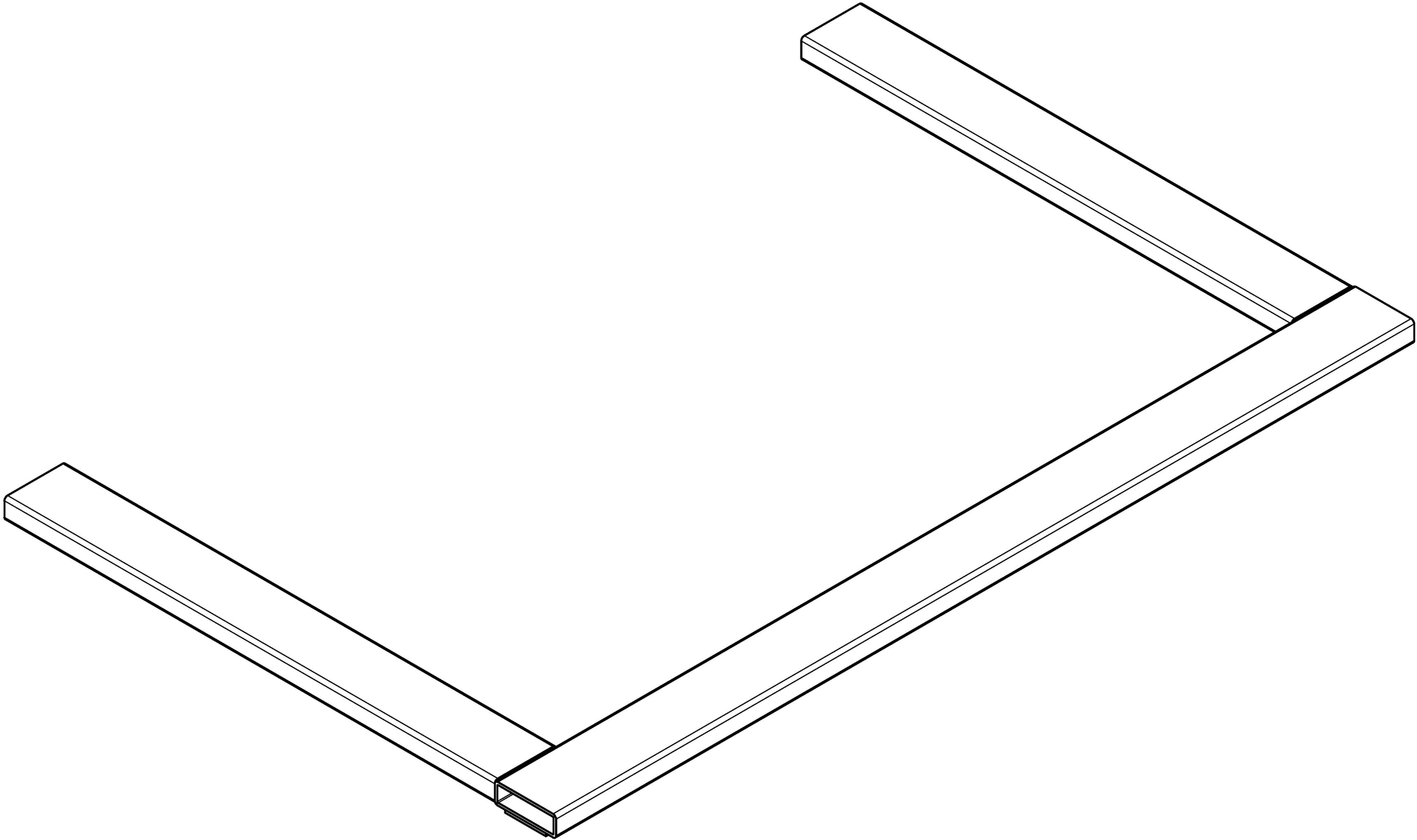
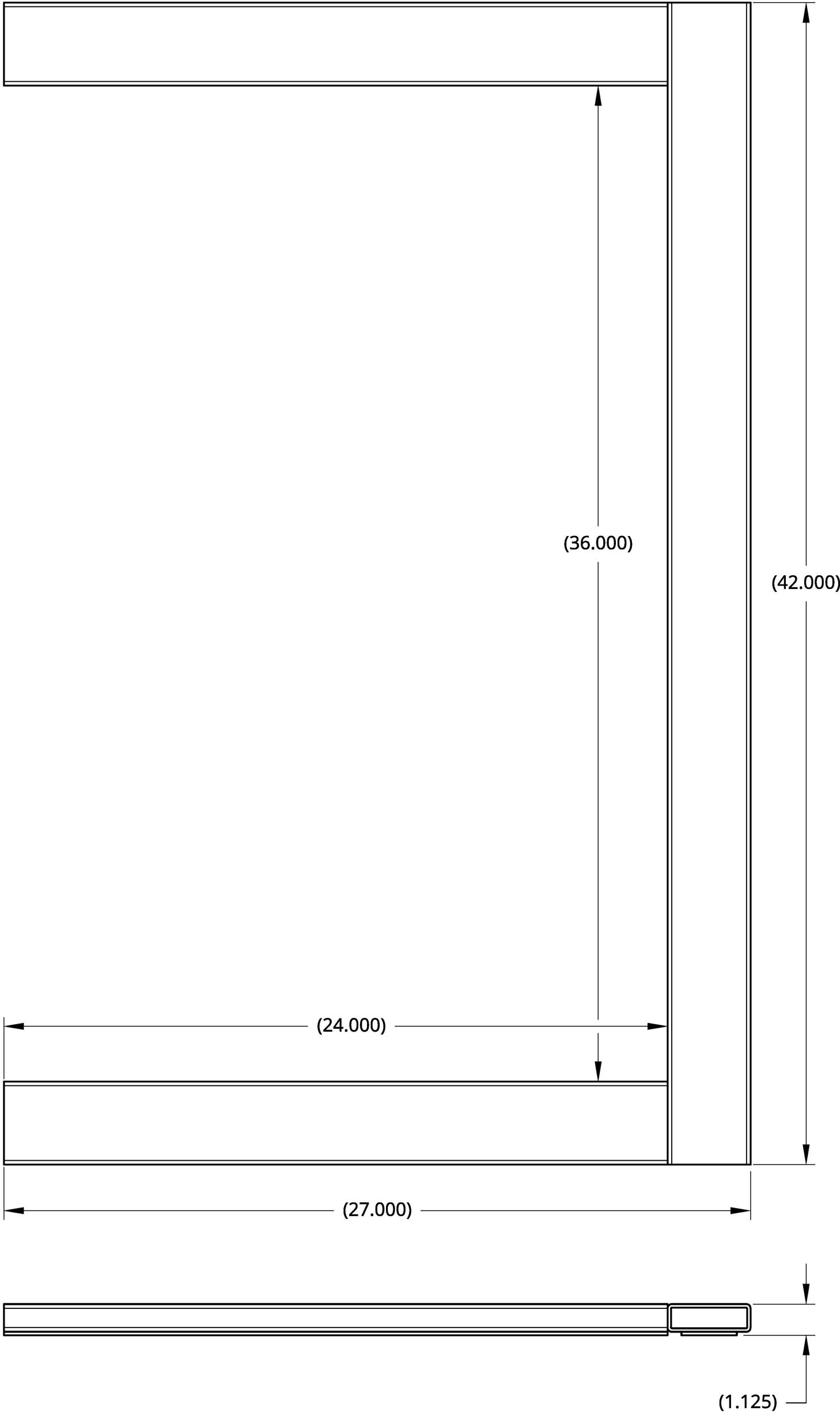
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 .XXX = ±.005 DO NOT SCALE DRAWING BREAK ALL SHARP EDGES AND REMOVE BURRS PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.	VEND	NAME	DATE		
	DRAWN	OCD	10/23/2025		
	MATERIAL			TITLE	
				TOWER UPPER PLASTIC AND VINYL	
SIZE		DWG NO.		GE-26511	REV.
SCALE		1:5		SHEET	1 of 1

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GE-26600-RED made from GE-26601-RED
GE-26600-BLUE made from GE-26601-BLUE

Item	Quantity	Name	Part number	Description
1	1	GE-26601: Depot Weldment	GE-26601	Depot Weldment
2	1	42in Long 2in Wide Hook Tape	2in Wide Hook Tape	42in Long
3	2	24in Long 2in Wide Hook Tape	2in Wide Hook Tape	24in Long

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±1.00 ANGULAR = ± 5° .XXX = ±0.250	FIELD	NAME	DATE		
	DRAWN	JAY O'DONNELL	07/08/2025		
	MATERIAL			TITLE	
DO NOT SCALE DRAWING	N/A			DEPOT	
BREAK ALL SHARP EDGES AND REMOVE BURRS				SIZE	REV.
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				C	
SCALE		1:4		SHEET 1 of 2	

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NOTE: ADHERE BALLOONS 2 AND 3 TO THE BOTTOM OF BALLOON 1 CENTERED ON EACH TUBE.

Item	Quantity	Name	Part number	Description
1	1	GE-26601: Depot Weldment	GE-26601	Depot Weldment
2	1	42in Long 2in Wide Hook Tape	2in Wide Hook Tape	42in Long
3	2	24in Long 2in Wide Hook Tape	2in Wide Hook Tape	24in Long
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±1.00 ANGULAR = ± 5° .XXX = ±0.250		FIELD	NAME	DATE
		DRAWN	JO	07/08/2025
		MATERIAL		
DO NOT SCALE DRAWING		N/A		
BREAK ALL SHARP EDGES AND REMOVE BURRS				
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST® . ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				
		TITLE		
		DEPOT		
SIZE C		DWG NO. GE-26600		REV.
SCALE 1:3		SHEET 2 of 2		

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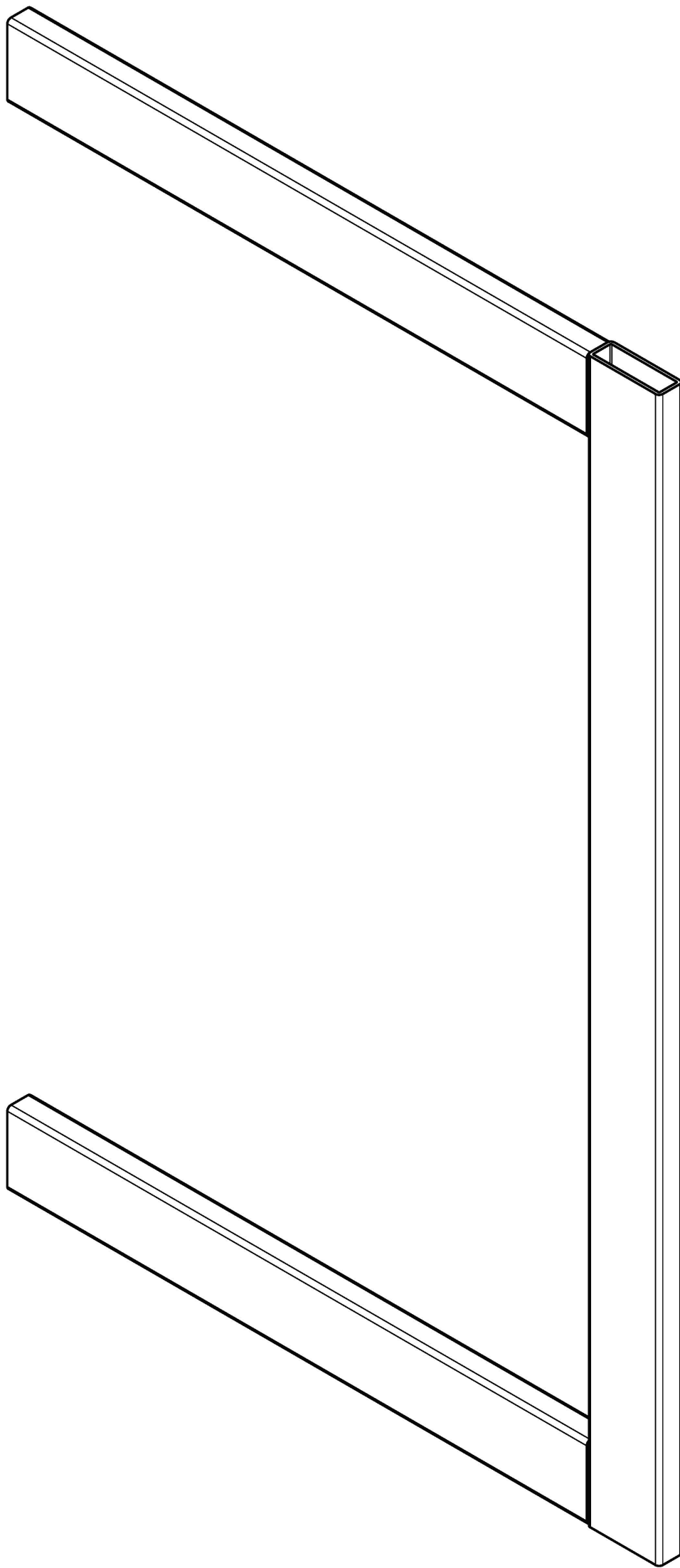
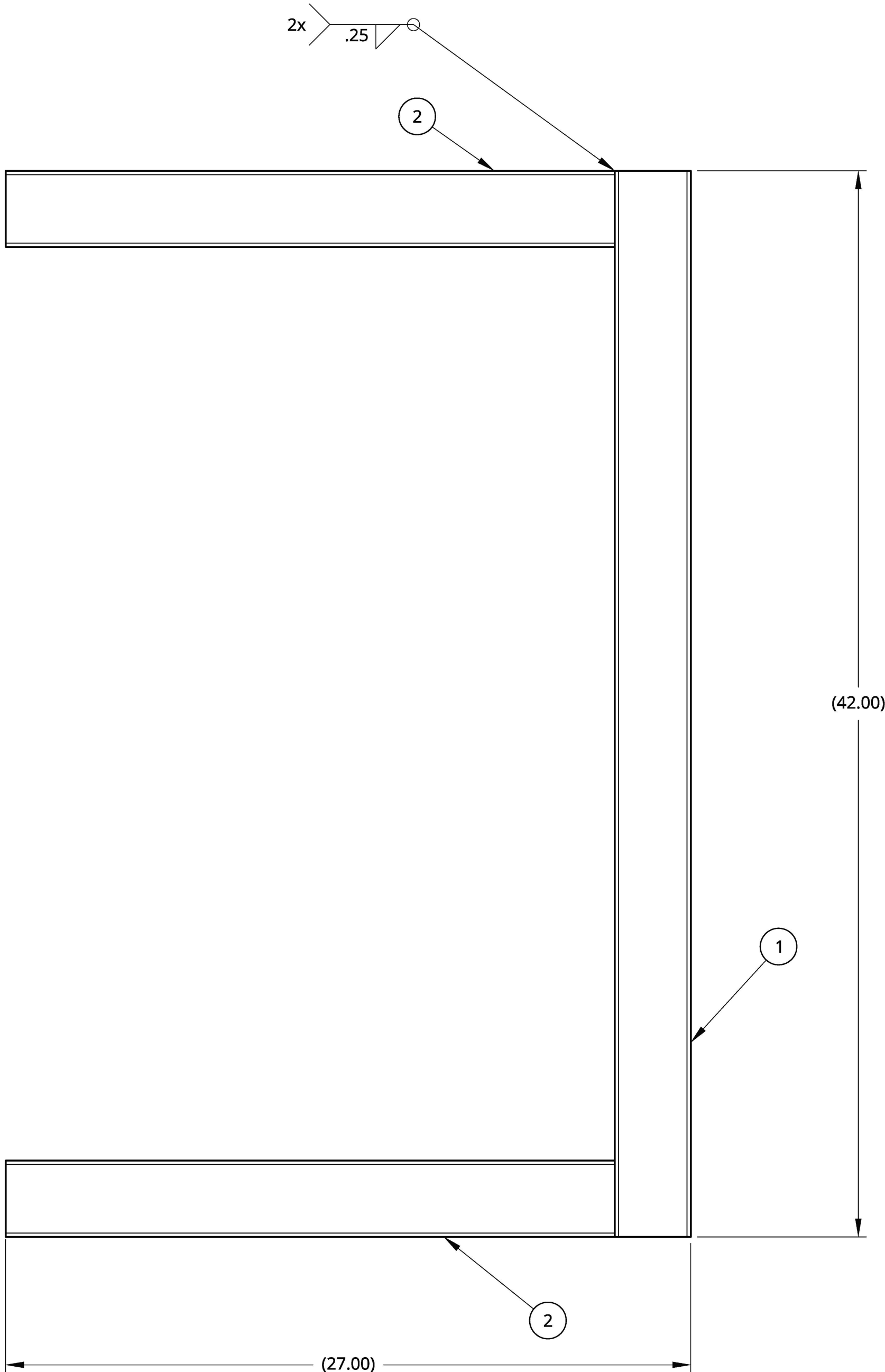
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Item	Quantity	Part number	Description
1	1	GE-26601-01	Depot, Front Tube
2	2	GE-26601-02	Depot, Side Tube

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.02 ANGULAR = ± 1° .XXX = ±.010 DO NOT SCALE DRAWING BREAK ALL SHARP EDGES AND REMOVE BURRS PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.	WELD	NAME	DATE		
	DRAWN	JO	07/08/2025		
	MATERIAL			TITLE	
	WELDED LOW CARBON STEEL, POWDER COATED			DEPOT WELDMENT	
SIZE C		DWG NO. GE-26601			REV.
SCALE 1:4		SHEET 1 of 4			

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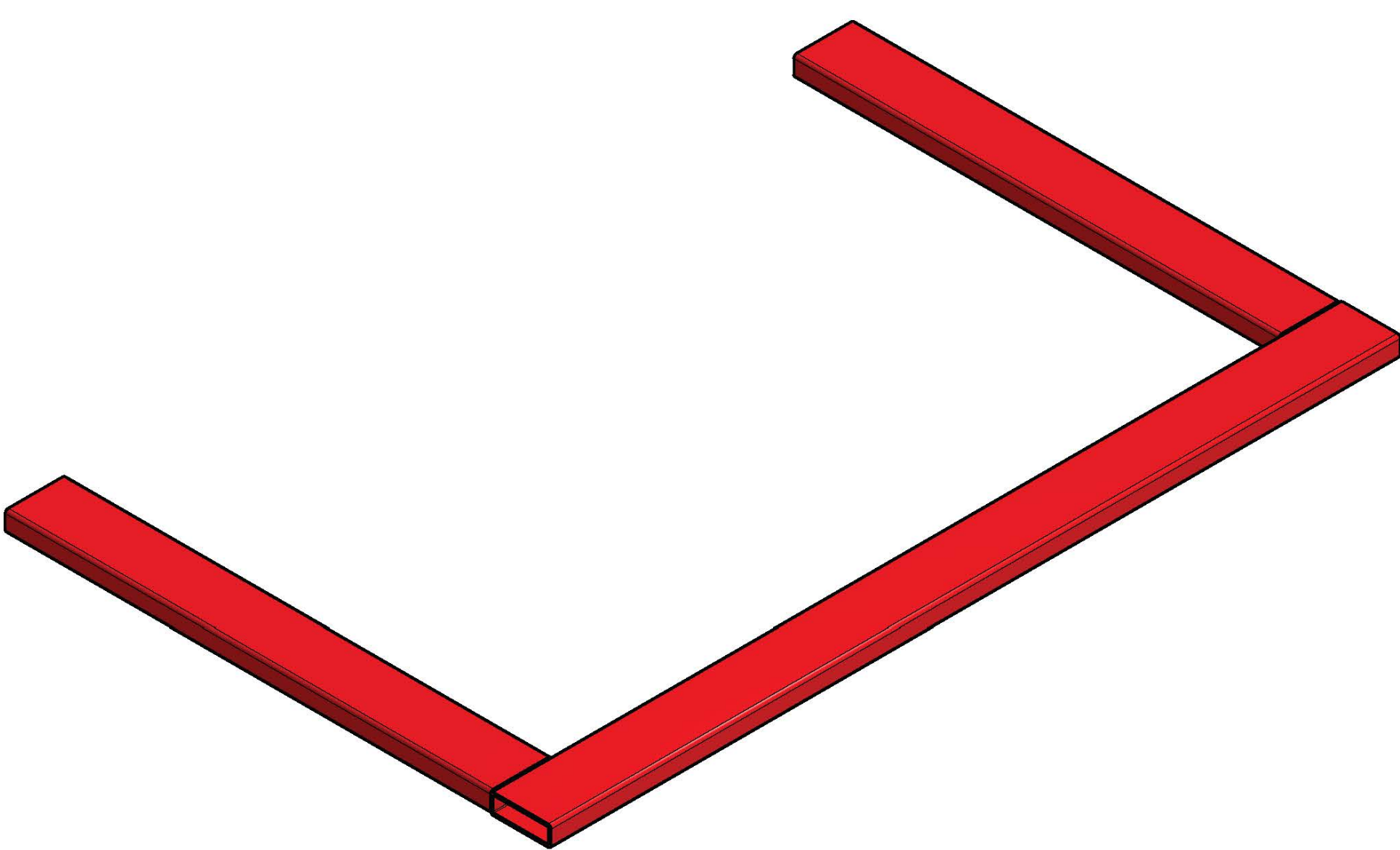
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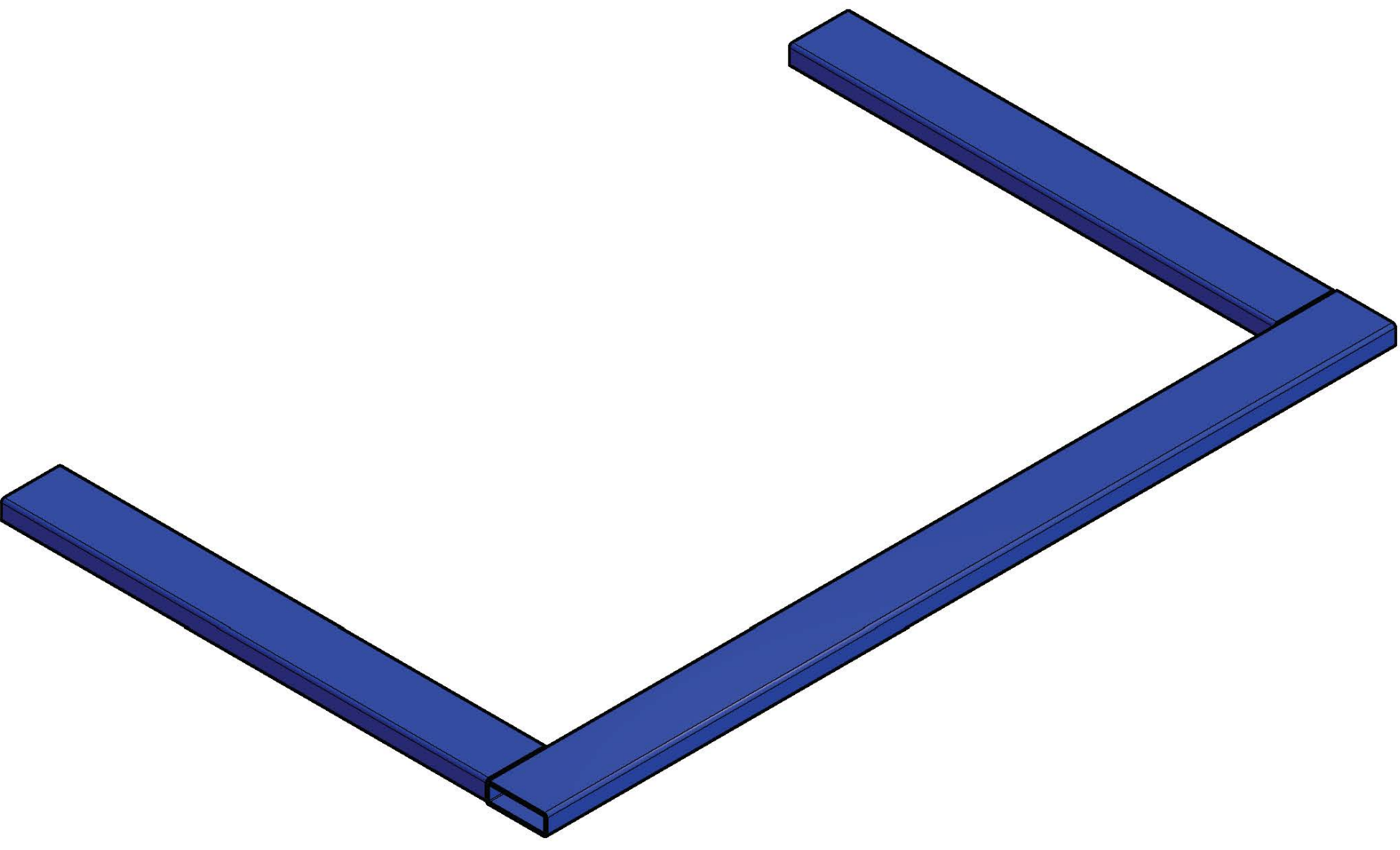
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GE-26601-RED



GE-26601-BLUE

Part Number	Powder Coat Color
GE-26601-RED	RAL #3020
GE-26601-BLUE	RAL #5017

Part Number	Powder Coat Color
GE-26601-RED	RAL #3020
GE-26601-BLUE	RAL #5017

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES
.XX = ±.01 ANGULAR = ± 1°
.XXX = ±.005

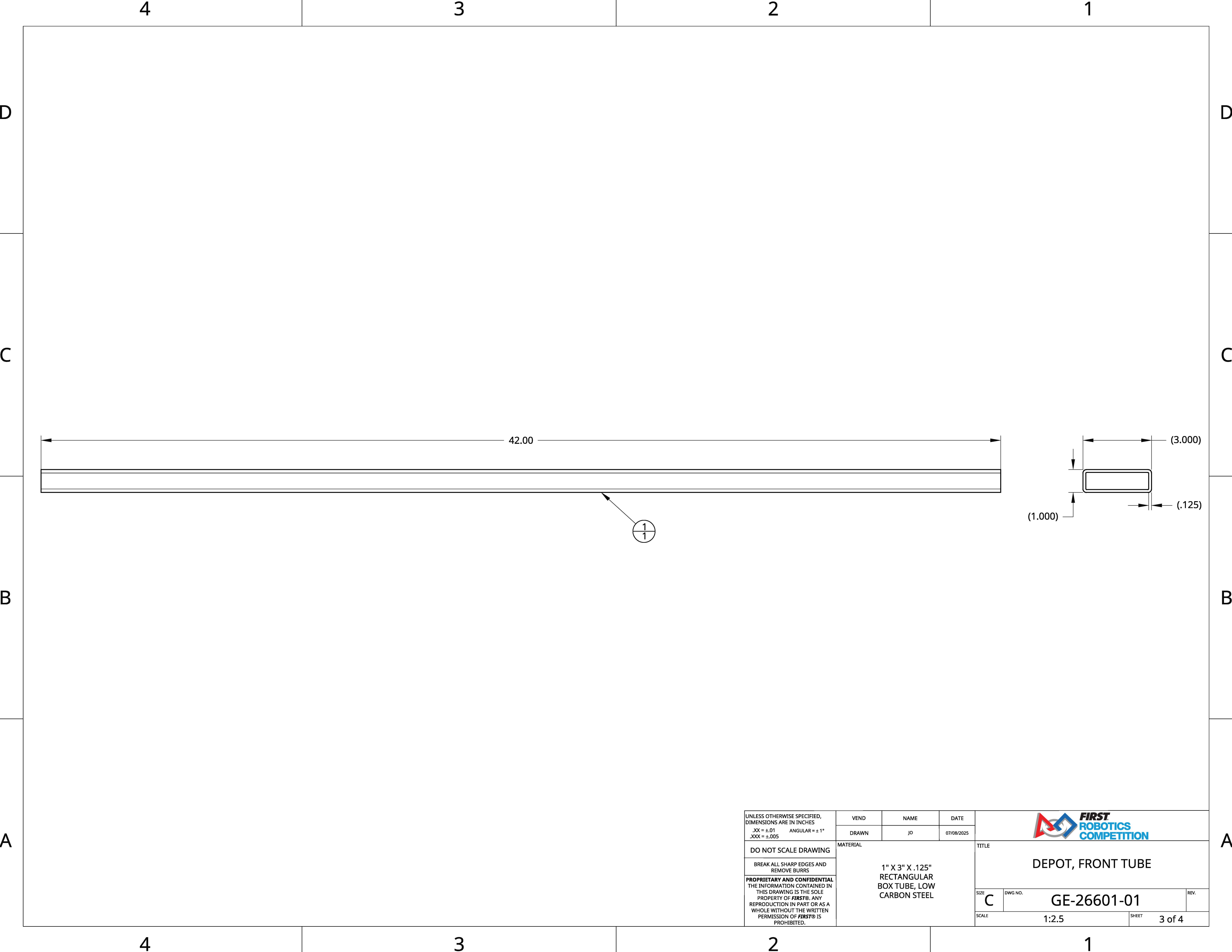
DO NOT SCALE DRAWING

BREAK ALL SHARP EDGES AND
REMOVE BURRS

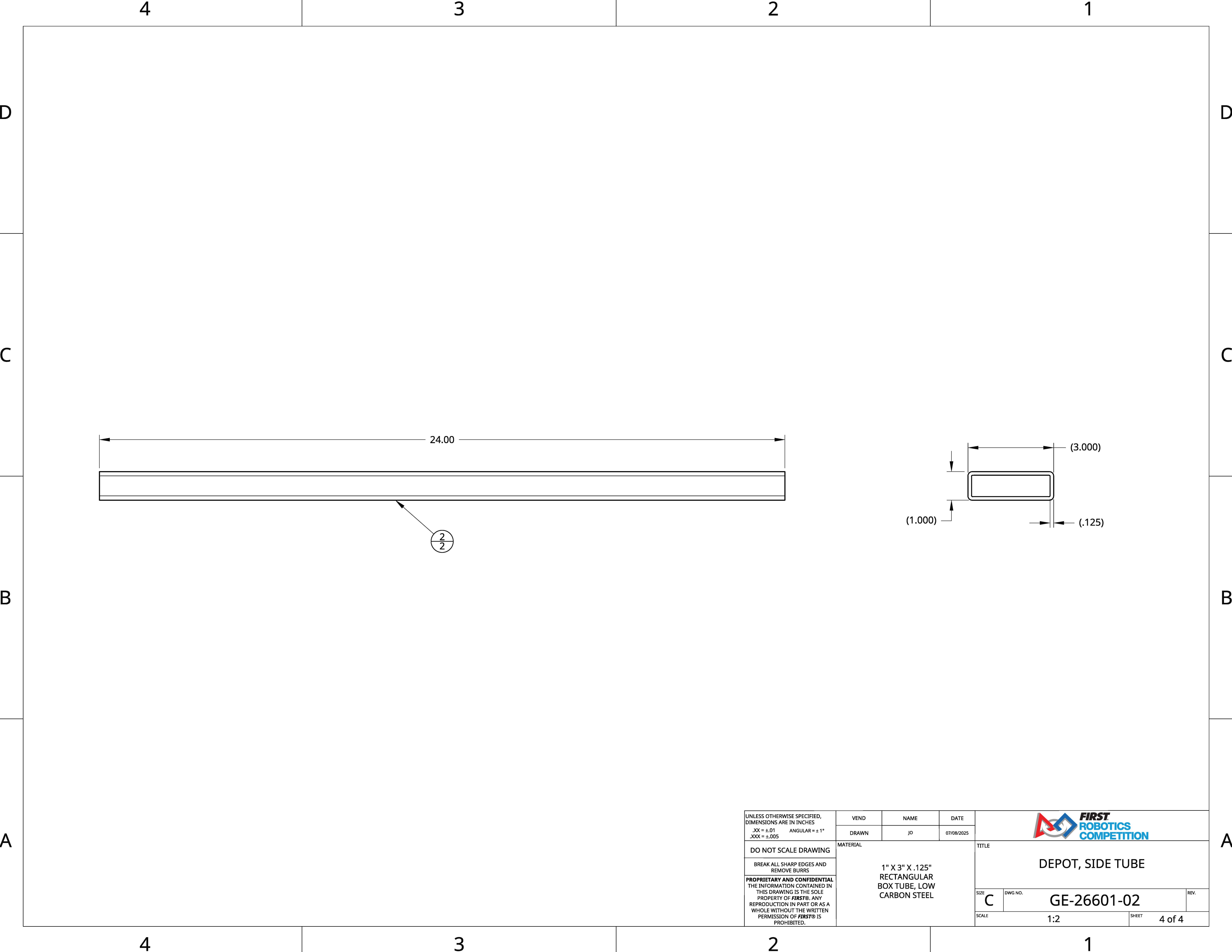
PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN
THIS DRAWING IS THE SOLE
PROPERTY OF FIRST®. ANY
REPRODUCTION IN PART OR AS A
WHOLE WITHOUT THE WRITTEN
PERMISSION OF FIRST® IS
PROHIBITED.

VEND	NAME	DATE
DRAWN	JO	07/08/2025
MATERIAL		
WELDED LOW CARBON STEEL, POWDER COATED		

			
TITLE			
DEPOT WELDMENT			
SIZE	DWG NO.	REV.	
C	GE-26601		
SCALE	1:5	SHEET	2 of 4



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE		
	DRAWN	JO	07/08/2025		
	MATERIAL			TITLE	
DO NOT SCALE DRAWING	1" X 3" X .125" RECTANGULAR BOX TUBE, LOW CARBON STEEL			DEPOT, FRONT TUBE	
BREAK ALL SHARP EDGES AND REMOVE BURRS				SIZE C	DWG NO. GE-26601-01
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SCALE 1:2.5	REV. 3 of 4



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE		
	DRAWN	JO	07/08/2025		
	MATERIAL			TITLE	
DO NOT SCALE DRAWING	1" X 3" X .125" RECTANGULAR BOX TUBE, LOW CARBON STEEL			DEPOT, SIDE TUBE	
BREAK ALL SHARP EDGES AND REMOVE BURRS				SIZE C	REV.
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				DWG NO. GE-26601-02	
				SCALE 1:2	SHEET 4 of 4

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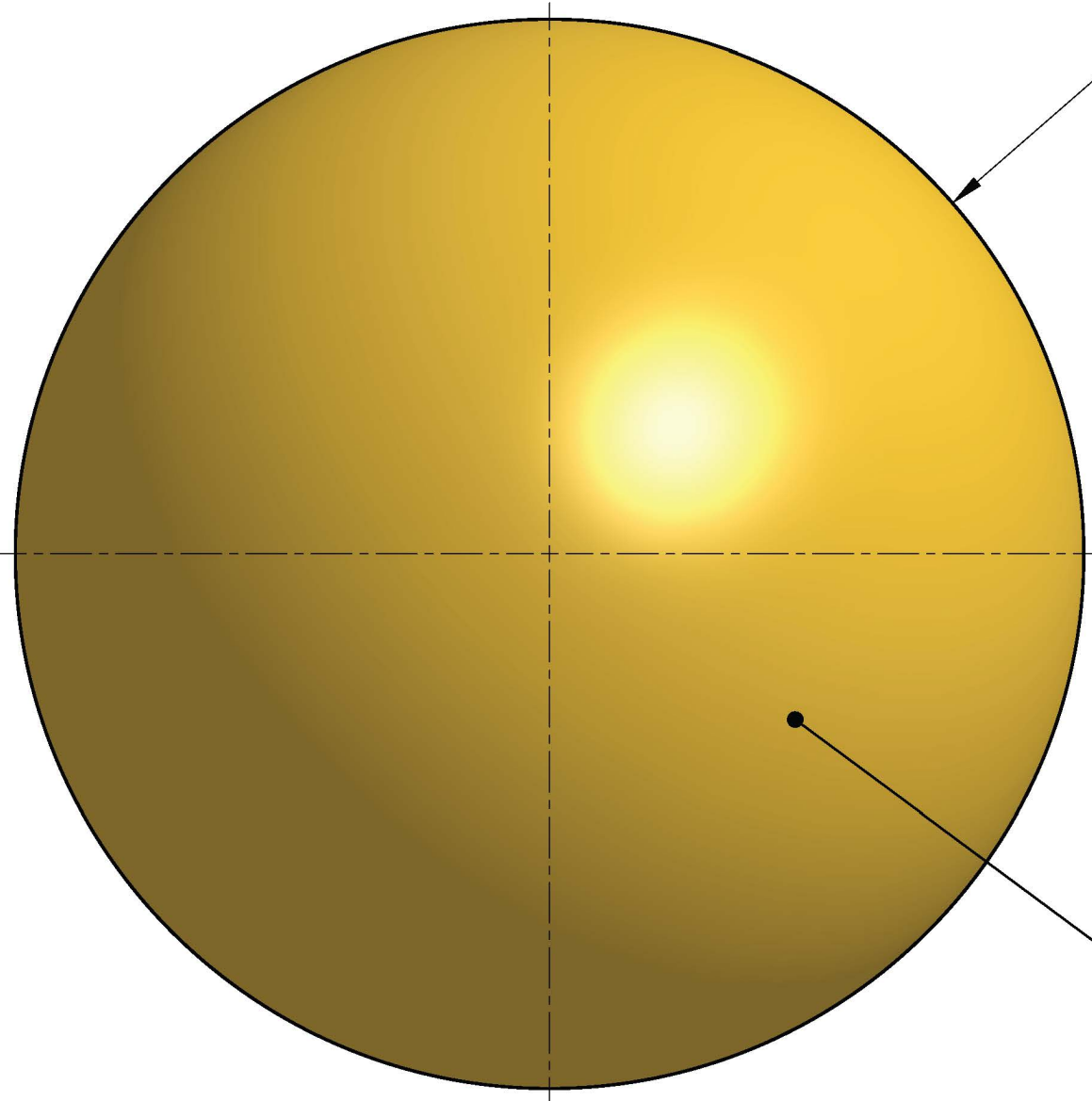
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Marked with black FIRST and AndyMark logos on one side.

- NOTES:
- 1. AndyMark part number is am-5801.
 - 2. Mass is 0.448-0.500lb (0.203-0.227kg).

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE			
	DRAWN	OCD	12/17/2025			
DO NOT SCALE DRAWING	MATERIAL DENSE POLYURETHANE FOAM WITH SMOOTH SKIN			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				FUEL		
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®, ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SIZE C	DWG NO. GE-26900	REV.
				SCALE 1:1		SHEET 1 of 1

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Honeywell



molex

optimum.



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CORRUGATIONS MUST BE ALIGNED WITH THE LONG AXIS OF THE PANEL

See GE-26901-Deco.EPS for print graphics.

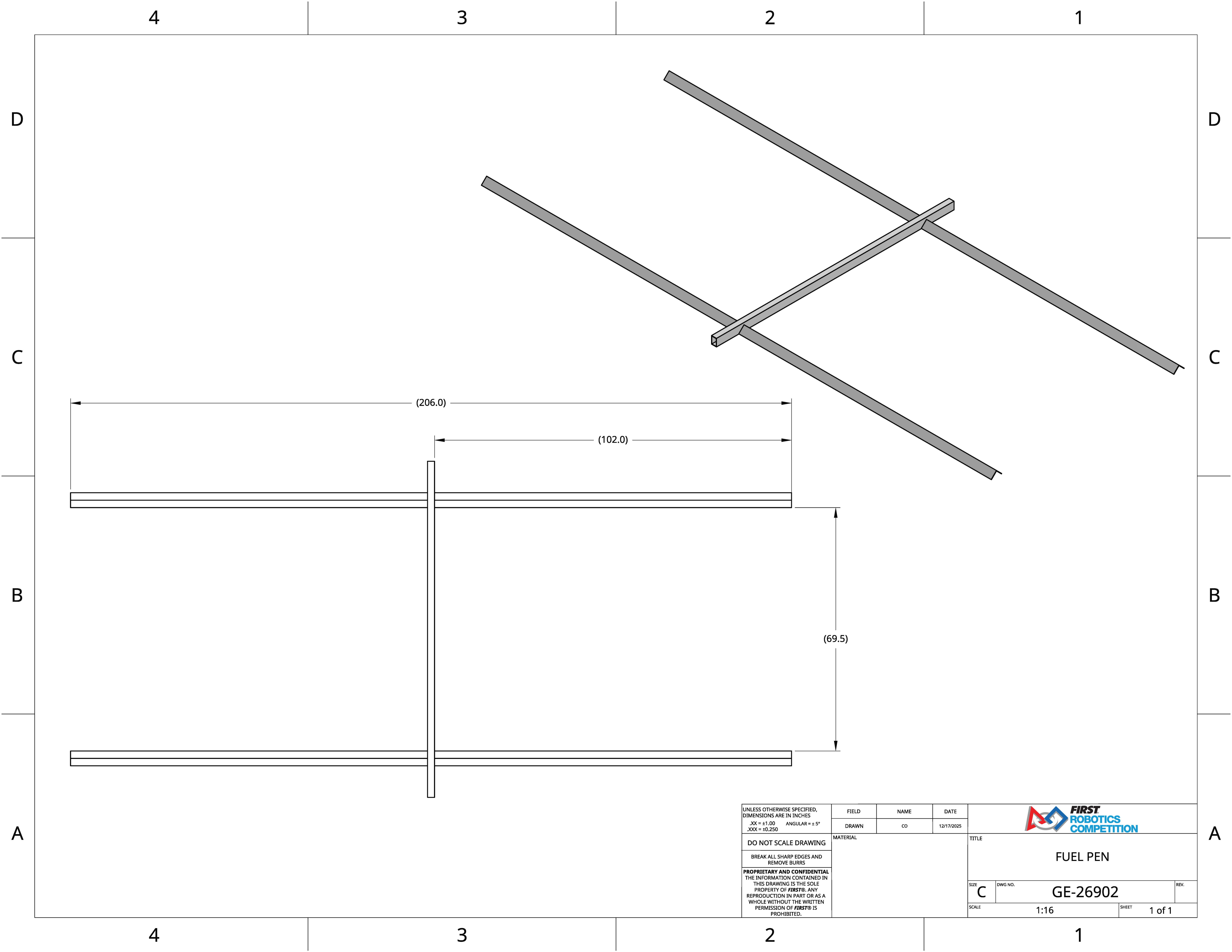
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES XX = ±.01 ANGULAR = ± 1° XXX = ±.005 DO NOT SCALE DRAWING BREAK ALL SHARP EDGES AND REMOVE BURRS PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST IS PROHIBITED.	VEND	NAME	DATE		
	DRAWN	OCD	09/25/2025		
	MATERIAL 4MM WHITE COROPLAST, PRINTED ONE SIDE			TITLE DRIVERS STATION SPONSOR PANEL	
				SIZE C	REV.
SCALE 1:5		DWG NO. GE-26901		SHEET 1 of 1	

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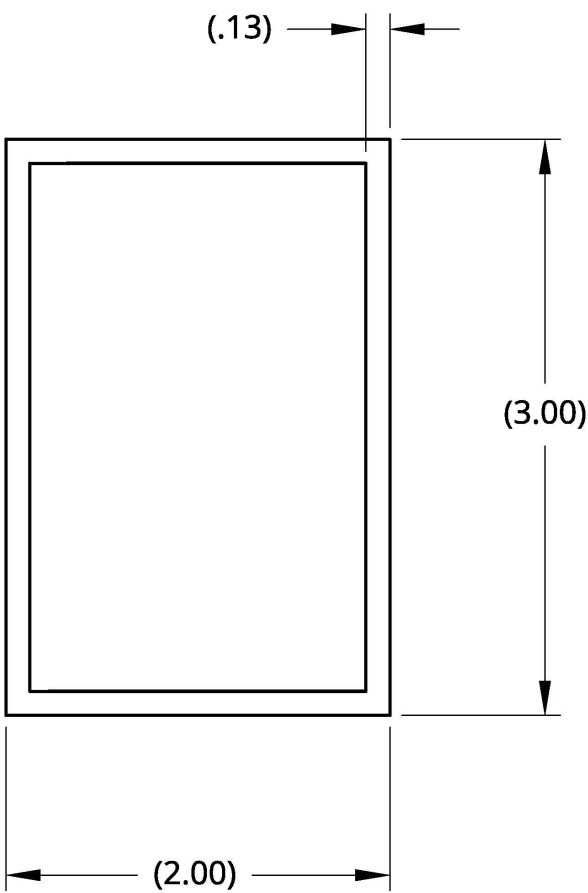
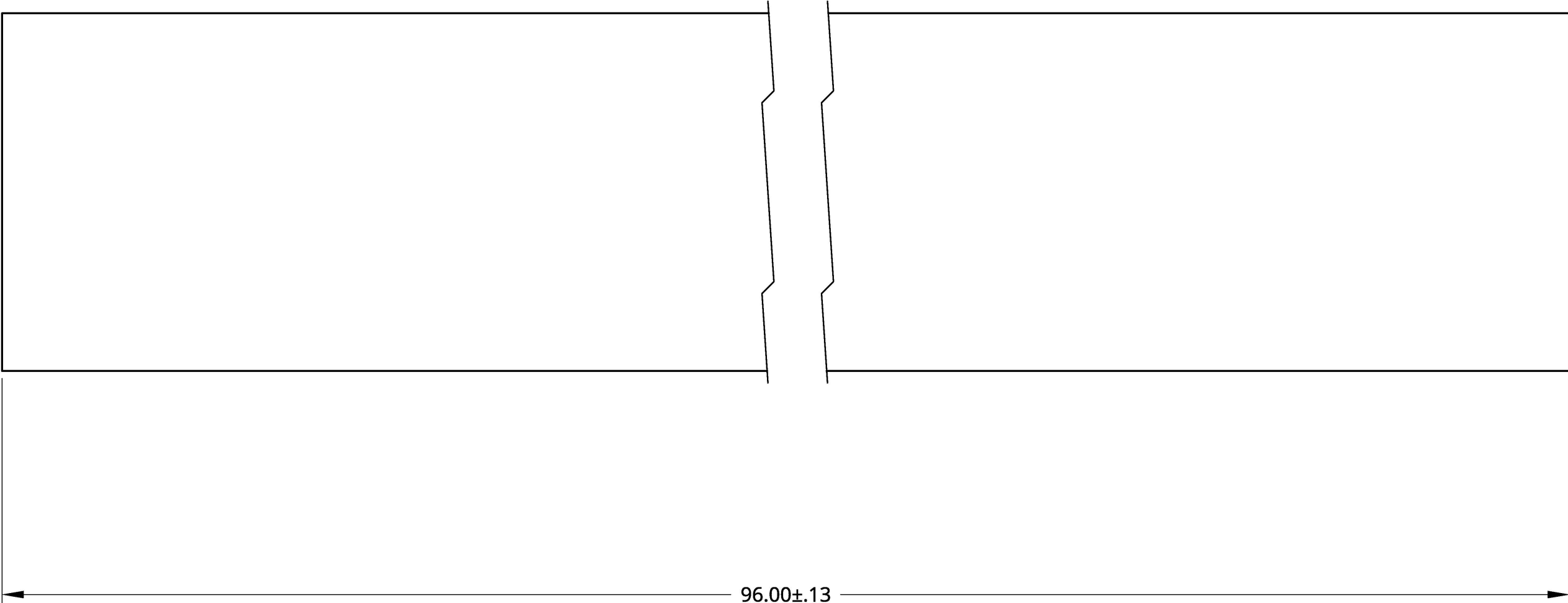
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE		
	DRAWN	CO	12/09/2025		
	MATERIAL			TITLE	
DO NOT SCALE DRAWING	2" X 3" X 1/8" RECTANGULAR TUBE, 6063 ALUMINUM			FUEL PEN CENTER DIVIDER	
BREAK ALL SHARP EDGES AND REMOVE BURRS				SIZE C	DWG NO. GE-26903
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SCALE 1:1	REV. SHEET 1 of 1

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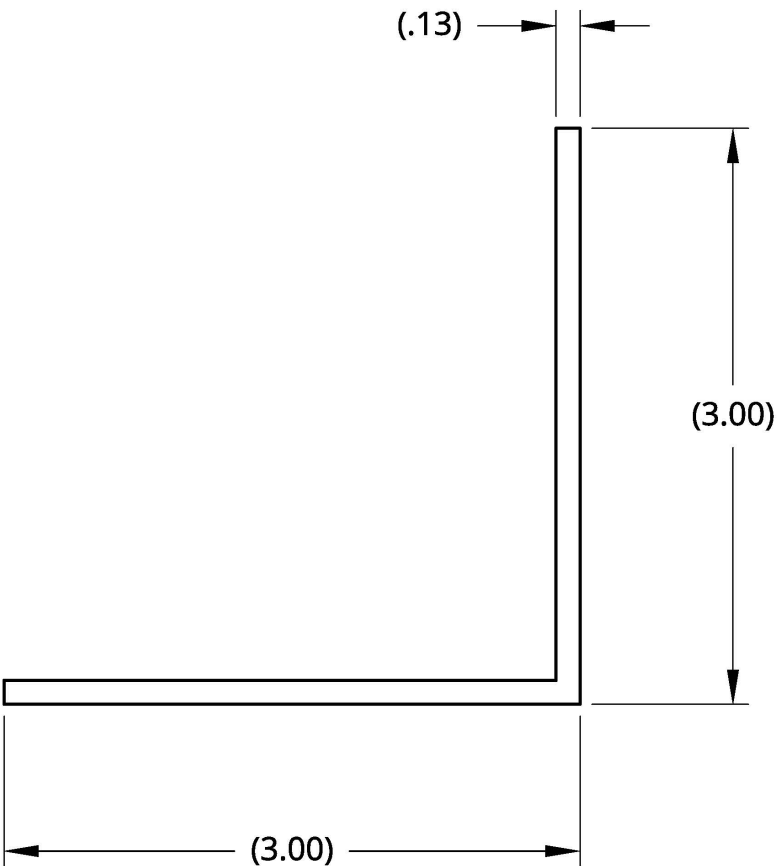
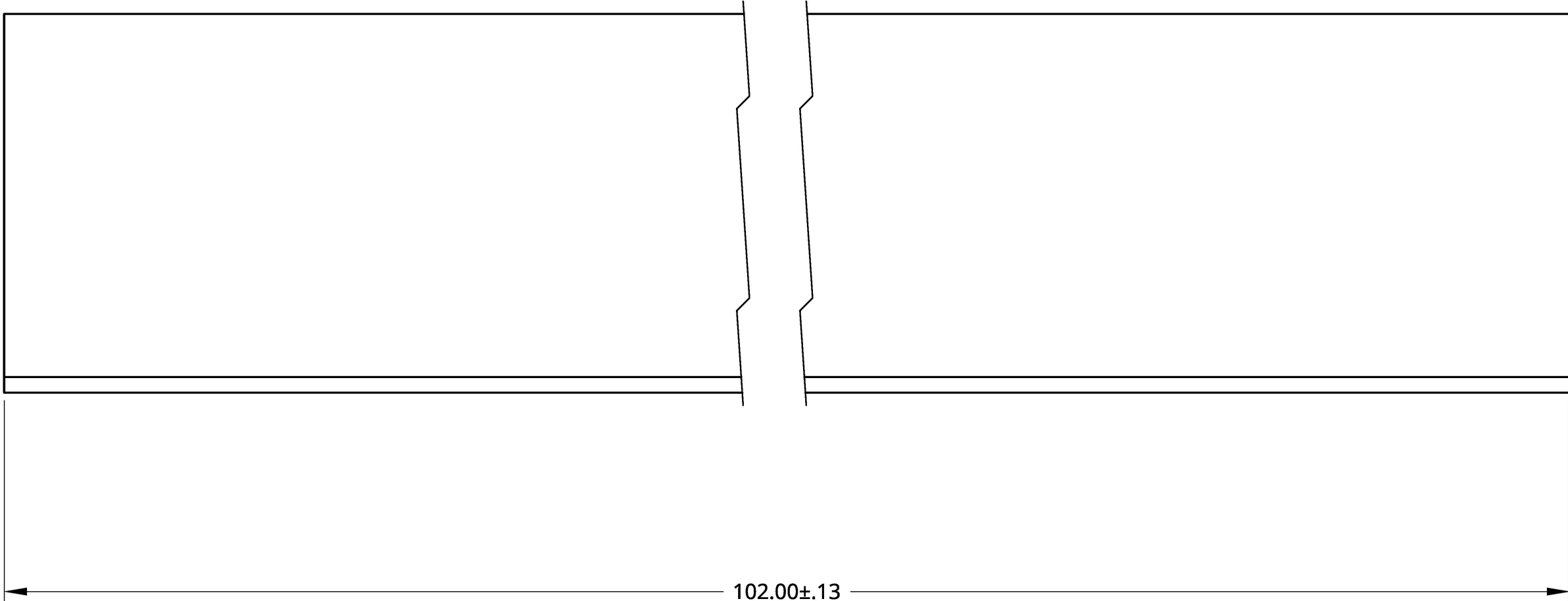
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE		
	DRAWN	CO	12/09/2025		
	MATERIAL			TITLE	
DO NOT SCALE DRAWING	3" X 3" X 1/8" THK. ANGLE, 6063 ALUMINUM			FUEL PEN BORDER	
BREAK ALL SHARP EDGES AND REMOVE BURRS				SIZE C	REV.
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				DWG NO. GE-26904	
				SCALE 1:1	SHEET 1 of 1

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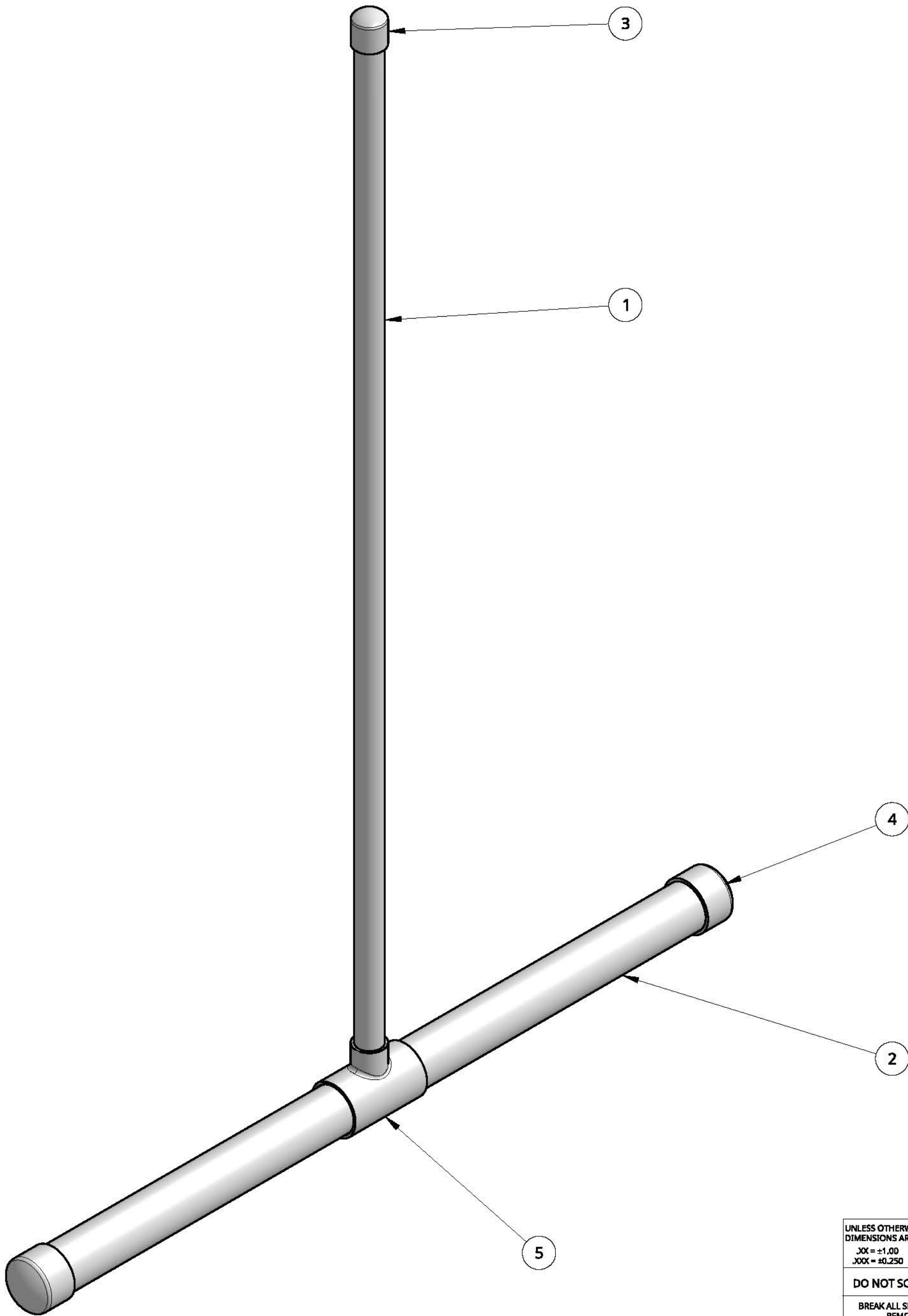
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Item	Quantity	Part number	Description
1	1	GE-26906	Rake Handle
2	2	GE-26907	Rake Leg
3	1	4880K53	1" Sched. 40 PVC Endcap
4	2	4880K56	2" Sched. 40 PVC Endcap
5	1	4880K509	2" to 1" Sched. 40 PVC Tee

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±1.00 ANGULAR = ±5° .XXX = ±0.250	FIELD	NAME	DATE			
	DRAWN	CO	12/17/2025			
DO NOT SCALE DRAWING	MATERIAL			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS						
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST IS PROHIBITED.				FUEL RAKE		
				SIZE	DWG NO.	REV.
				C	GE-26905	
				SCALE	1:4	SHEET 1 of 1

4

3

2

1

D

D

C

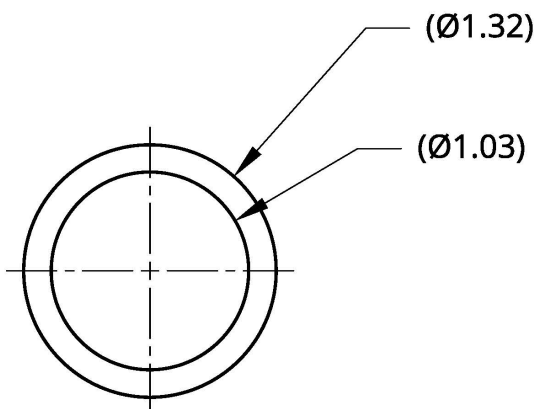
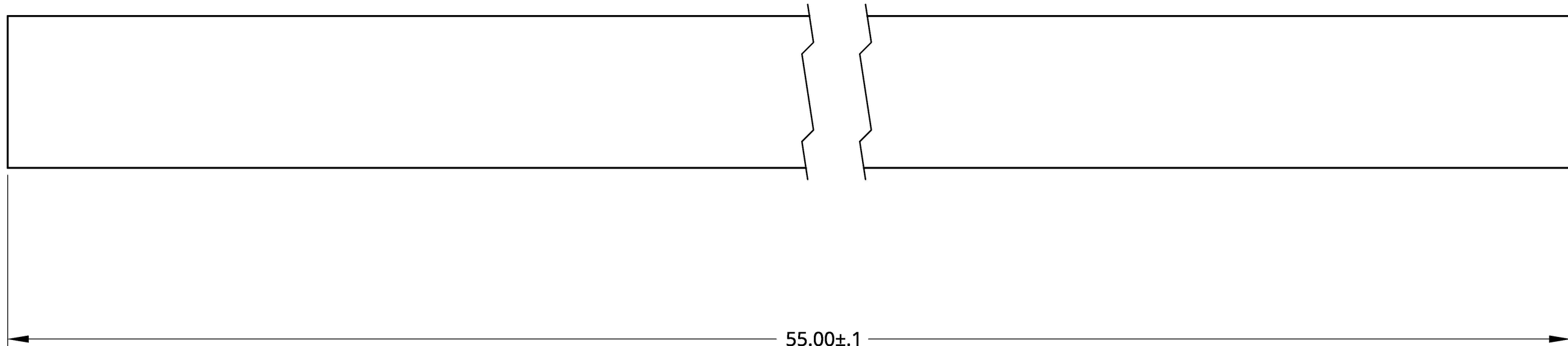
C

B

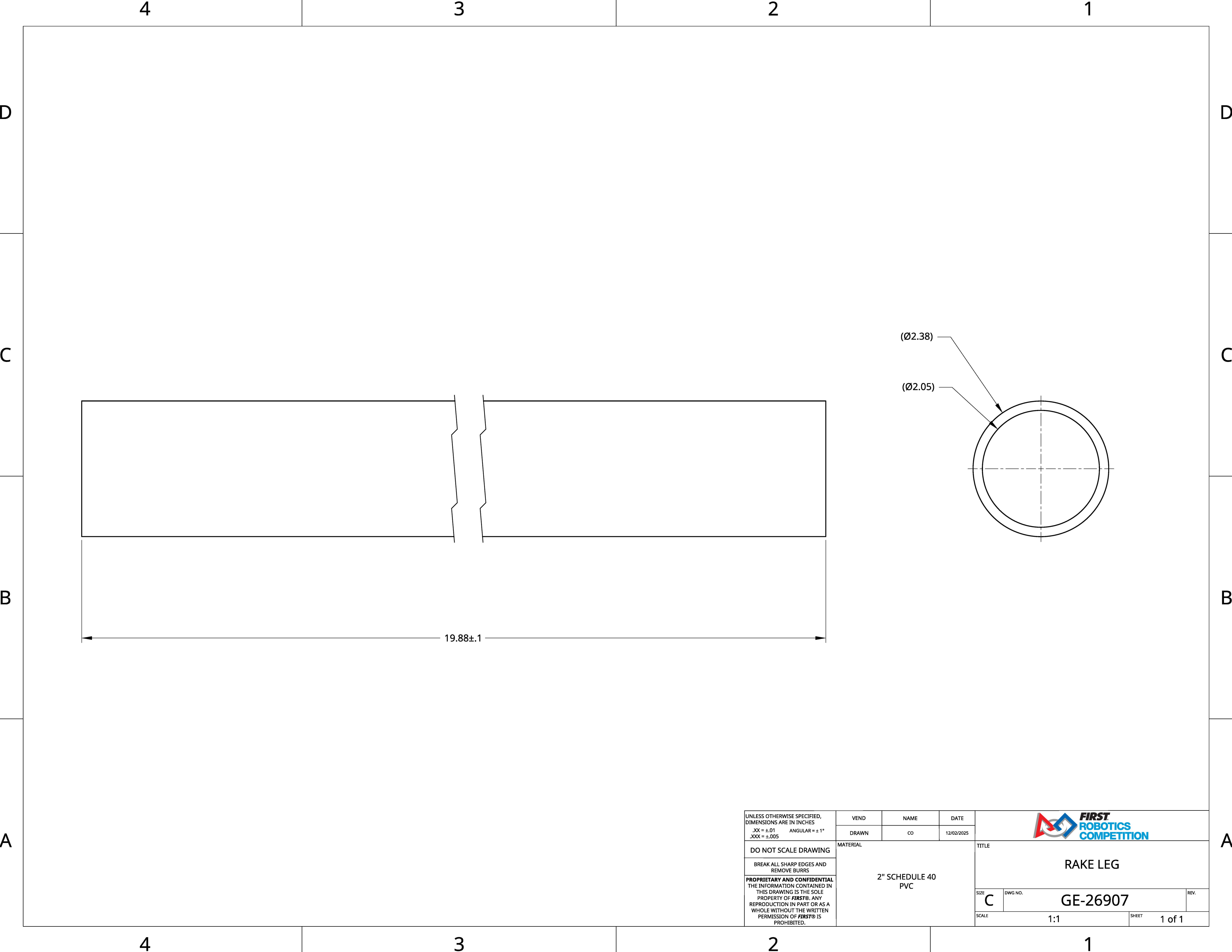
B

A

A



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE		
	DRAWN	CO	12/02/2025		
	MATERIAL			TITLE	
DO NOT SCALE DRAWING	1" SCHEDULE 40 PVC			RAKE HANDLE	
BREAK ALL SHARP EDGES AND REMOVE BURRS				SIZE C	REV.
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES XX = ±.01 ANGULAR = ± 1° XXX = ±.005	VEND	NAME	DATE			
	DRAWN	CO	12/02/2025			
DO NOT SCALE DRAWING	MATERIAL 2" SCHEDULE 40 PVC			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				RAKE LEG		
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				SCALE 1:1		SHEET 1 of 1