

NOTES:  
REMOVE ALL SHARP EDGES.

Item	Quantity	Part number	Description
1	2	FE-00001-01	1-3/4" x 1-3/4" x 1/8" 6061 Aluminum Tubing
2	1	FE-00001-02	1/4" 6061 Aluminum Plate
3	1	FE-00001-03	1" Schedule 40 Aluminum Tube
4	2	FE-00001-04	1-7/16" Diameter 6061 Aluminum Rod
5	1	FE-00001-05	1-3/4" x 1-3/4" x 1/8" 6061 Aluminum Tubing


UNLESS OTHERWISE SPECIFIED,  
DIMENSIONS ARE IN INCHES

.XX =  $\pm .02$       ANGULAR =  $\pm 1^\circ$   
.XXX =  $\pm .010$

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	 <b>FIRST</b> <b>ROBOTICS</b> <b>COMPETITION</b>
DRAWN		DF	12/23/2025	
MATERIAL				<div>TITLE</div> <div>DRIVERS STATION SUPPORT WELDMENT</div> <div><div>SIZE</div><div>C</div><div>DWG NO.</div><div>FE-00001</div><div>REV.</div></div> <div><div>SCALE</div><div>1:6</div><div>SHEET</div><div>1 of 6</div></div>
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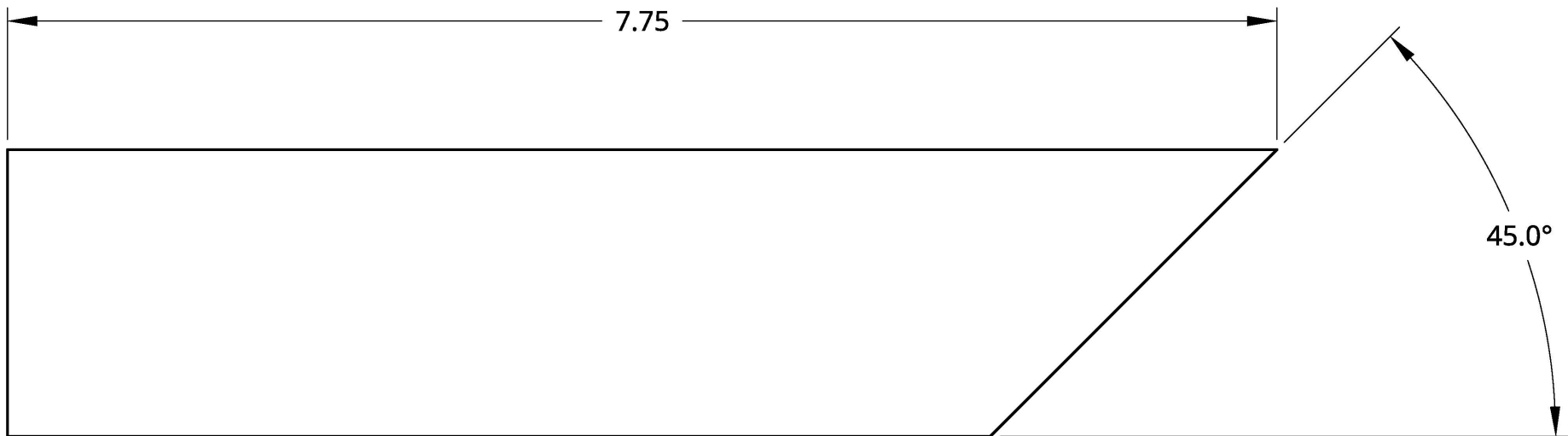
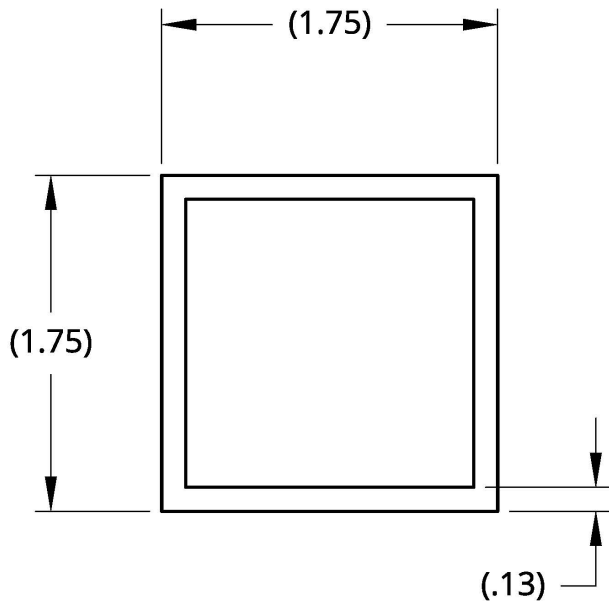
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.02    ANGULAR = ± 1° .XXX = ±.010	WELD	NAME	DATE		
	DRAWN	DF	12/23/2025		
	MATERIAL			TITLE	
DO NOT SCALE DRAWING	1-3/4" X 1-3/4" X 1/8" 6061 ALUMINUM TUBING			1-3/4" X 1-3/4" X 1/8" 6061 ALUMINUM TUBING	
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.				SCALE 1:1	SHEET 2 of 6



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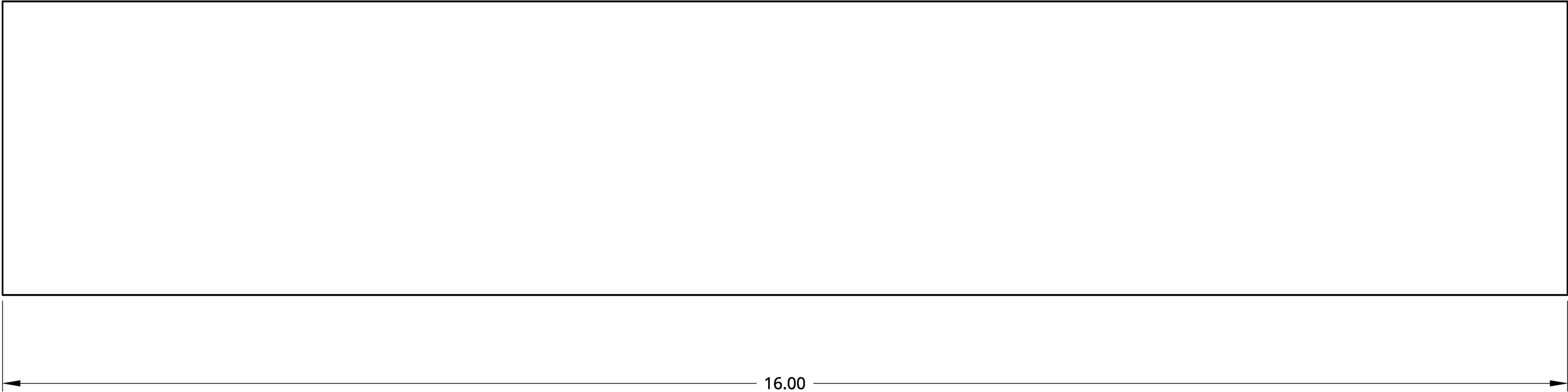
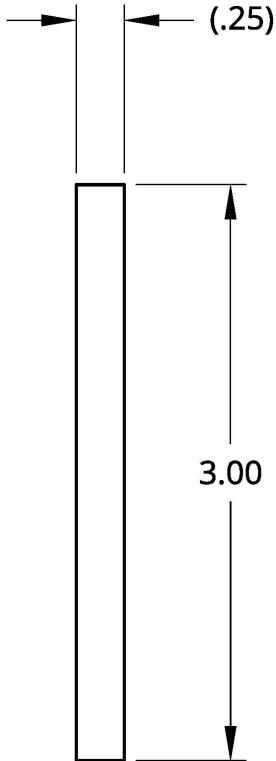
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.02    ANGULAR = ± 1° .XXX = ±.010	WELD	NAME	DATE		
	DRAWN	DF	12/23/2025		
	MATERIAL			TITLE	
DO NOT SCALE DRAWING	1/4" 6061 ALUMINUM PLATE			1/4" 6061 ALUMINUM PLATE	
BREAK ALL SHARP EDGES 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.				SCALE 1:1	SHEET 3 of 6

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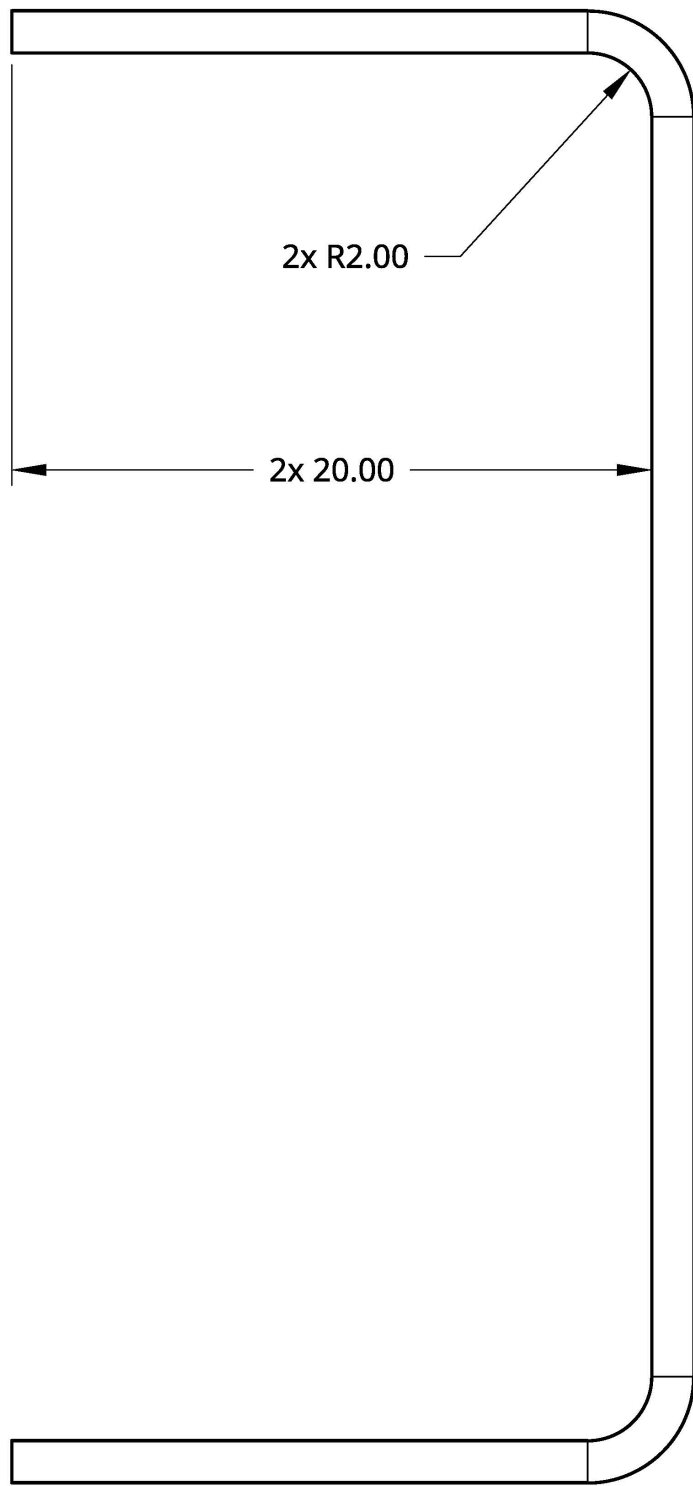
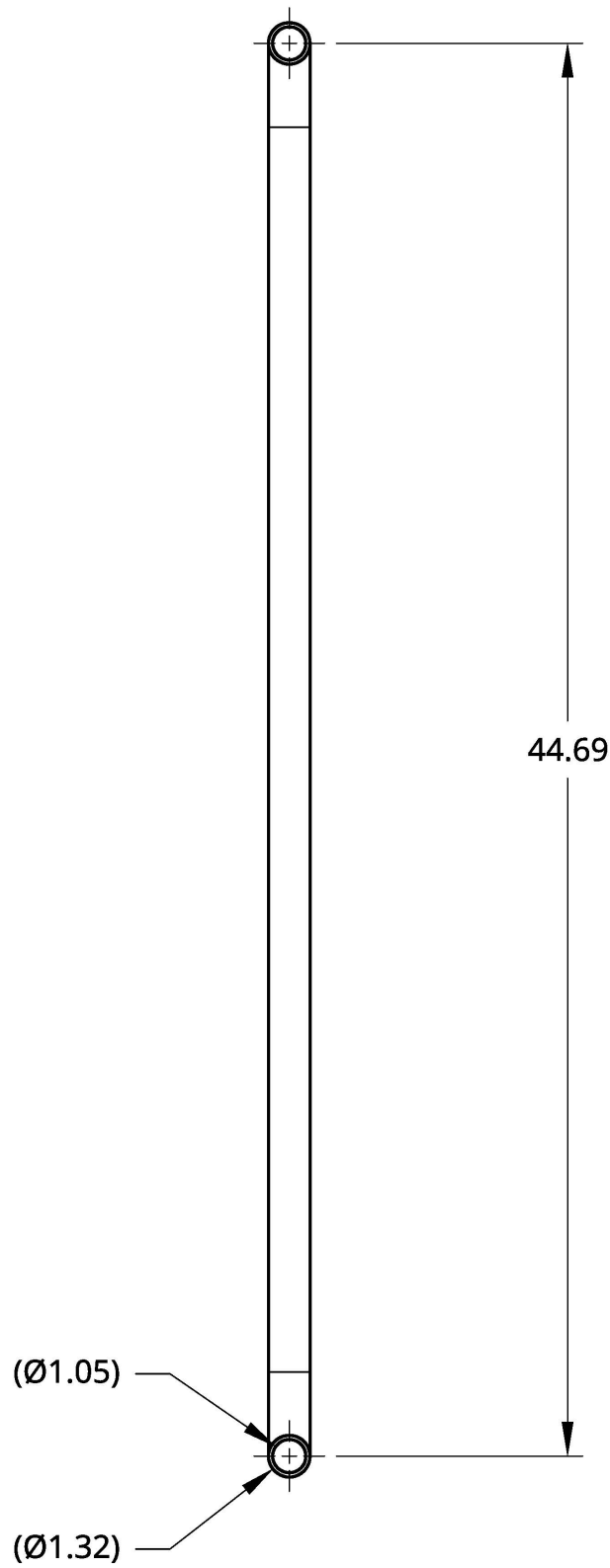
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.02    ANGULAR = ± 1° .XXX = ±.010	WELD	NAME	DATE		
	DRAWN	DF	12/23/2025		
	MATERIAL			TITLE	
DO NOT SCALE DRAWING	1" SCHEDULE 40 ALUMINUM TUBE			1" SCHEDULE 40 ALUMINUM TUBE	
BREAK ALL SHARP 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		1:6		SHEET	4 of 6

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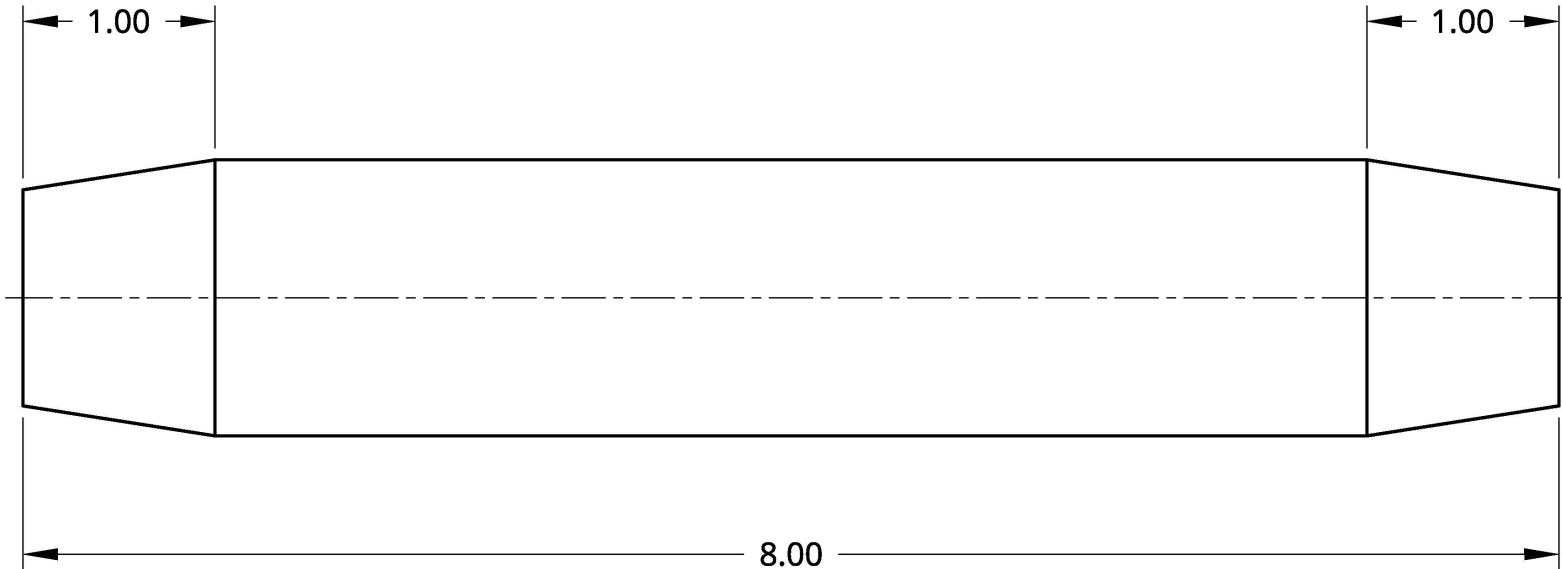
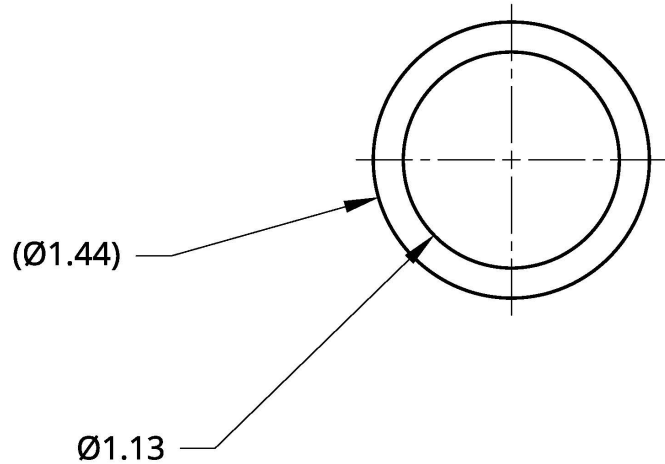
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES  .XX = ±.02    ANGULAR = ± 1° .XXX = ±.010	WELD	NAME	DATE			
	DRAWN	DF	12/23/2025			
DO NOT SCALE DRAWING	MATERIAL  1-7/16" DIAMETER 6061 ALUMINUM ROD			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				1-7/16" DIAMETER 6061 ALUMINUM ROD		
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	FE-00001-04	
	SCALE	1:1	SHEET	5 of 6		

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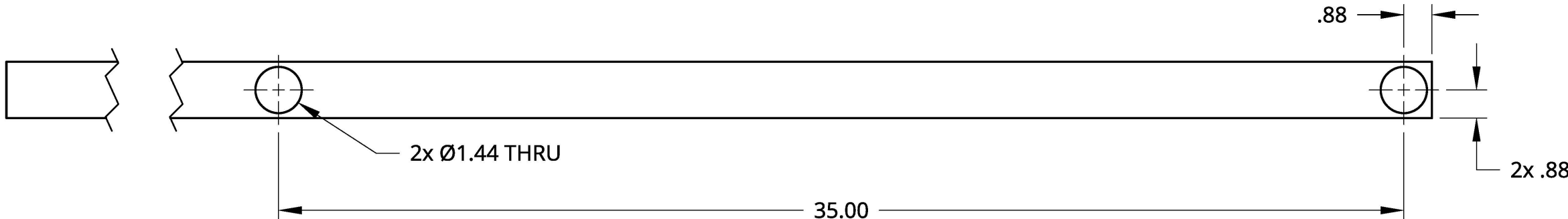
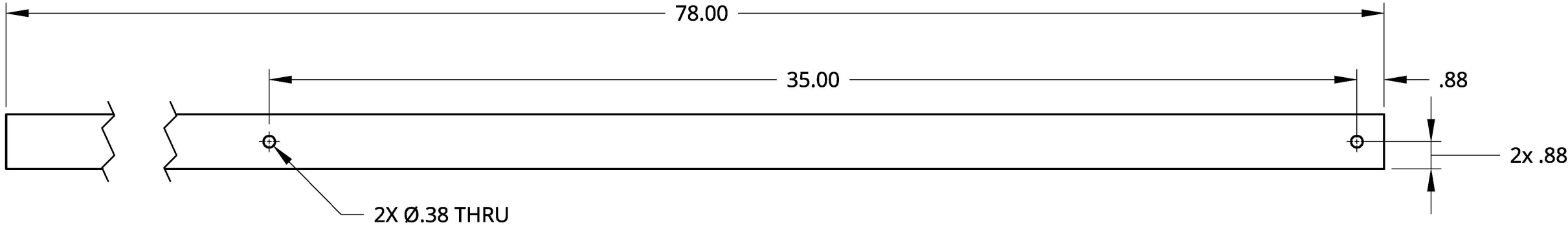
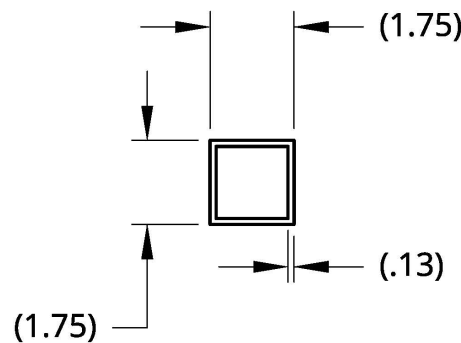
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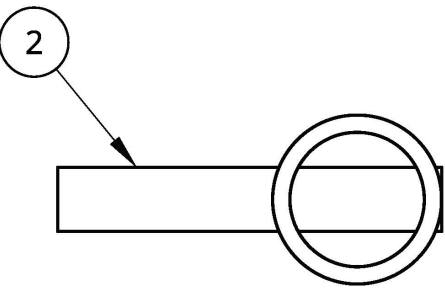
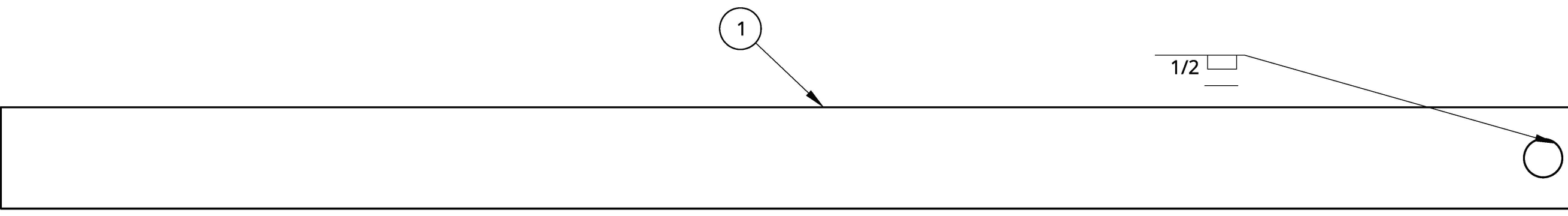
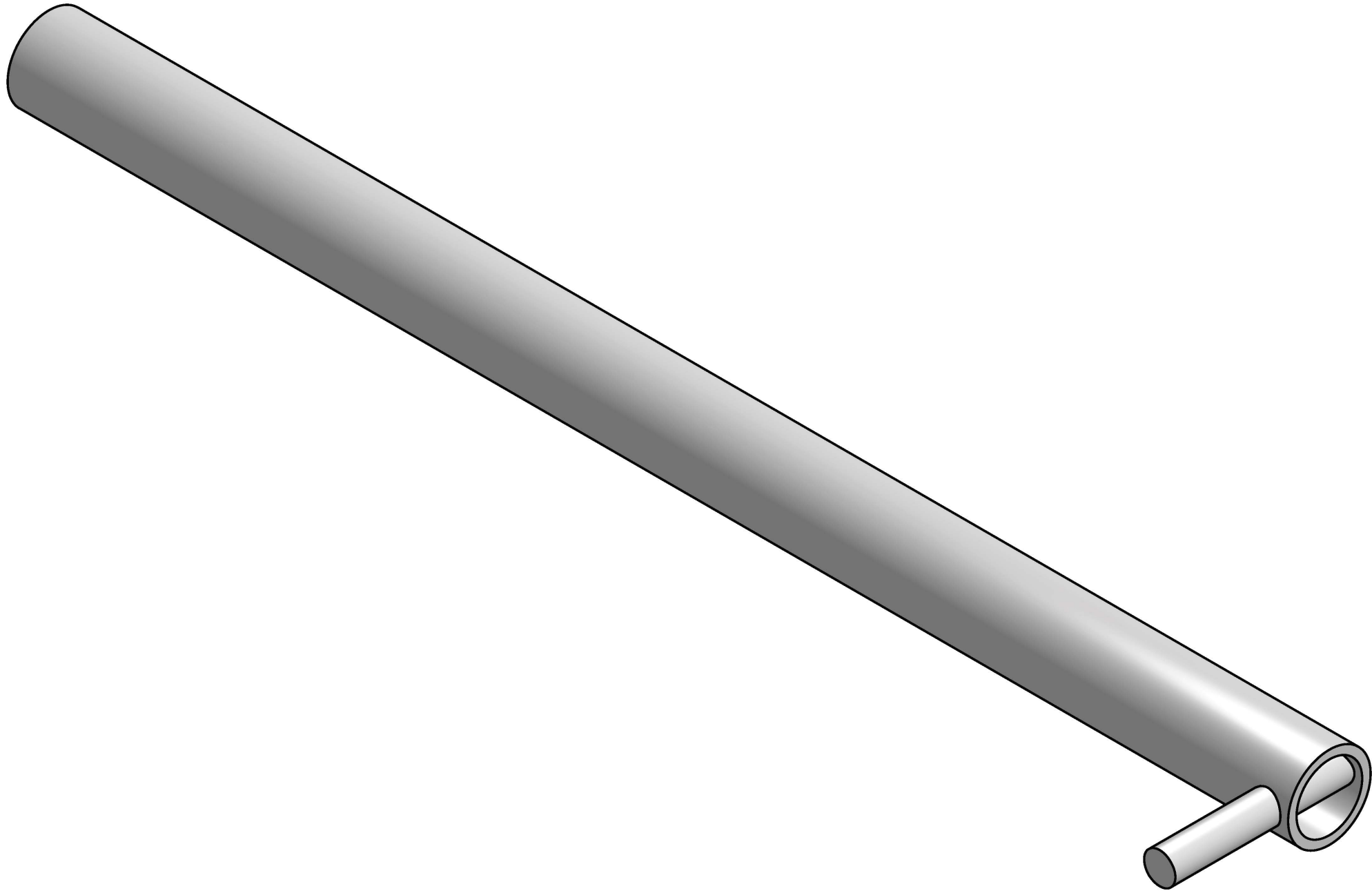
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES  .XX = ±.02    ANGULAR = ± 1° .XXX = ±.010	WELD	NAME	DATE			
	DRAWN	DF	12/23/2025			
DO NOT SCALE DRAWING	MATERIAL  1-3/4" X 1-3/4" X 1/8" 6061 ALUMINUM TUBING			TITLE  1-3/4" X 1-3/4" X 1/8" 6061 ALUMINUM TUBING		
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 <b>C</b>	DWG NO. <b>FE-00001-05</b>	REV.
				SCALE <b>1:4</b>	SHEET <b>6 of 6</b>	



		Item		Quantity		Part number		Description	
1		1		FE-00003-01		1" Schedule 40 6061 Aluminum Tube			
2		1		FE-00003-02		1/2" 6061 Aluminum Rod			

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01    ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE				
	DRAWN	JO	12/16/2025				
DO NOT SCALE DRAWING	MATERIAL  6061 ALUMINUM			TITLE  RAIL PIN ASSY			
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.	FE-00003	REV.
				SCALE	1:1.5		SHEET

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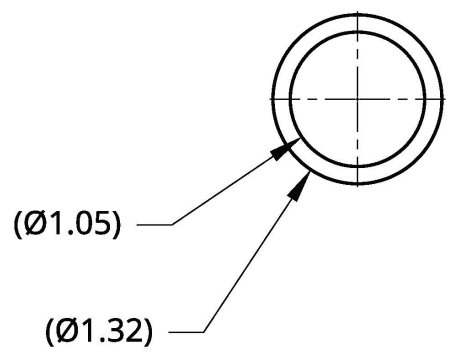
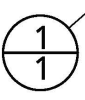
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES  .XX = ±.01    ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE			
	DRAWN	JO	12/16/2025			
DO NOT SCALE DRAWING	MATERIAL  1" SCHEDULE 40 6061 ALUMINUM TUBE			TITLE  1" SCHEDULE 40 6061 ALUMINUM TUBE		
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.  FE-00003-01	REV.
				SCALE  1:1.5	SHEET  2 of 3	



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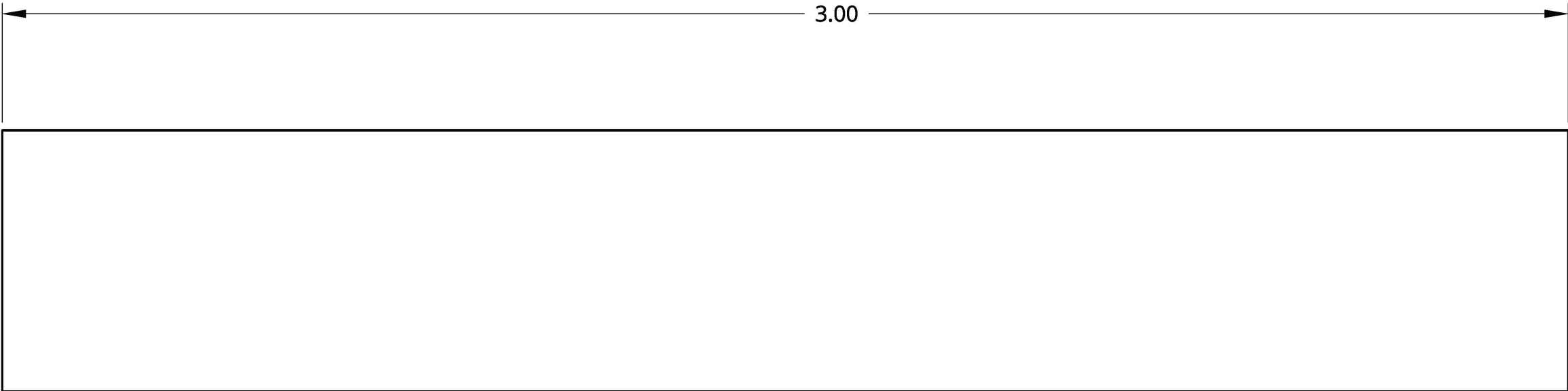
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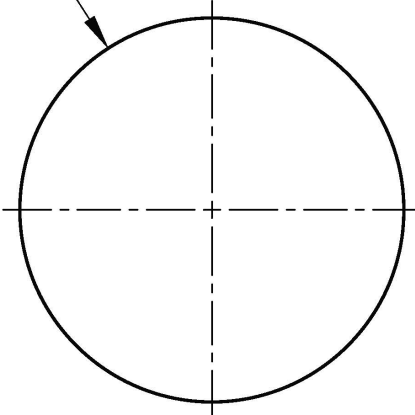
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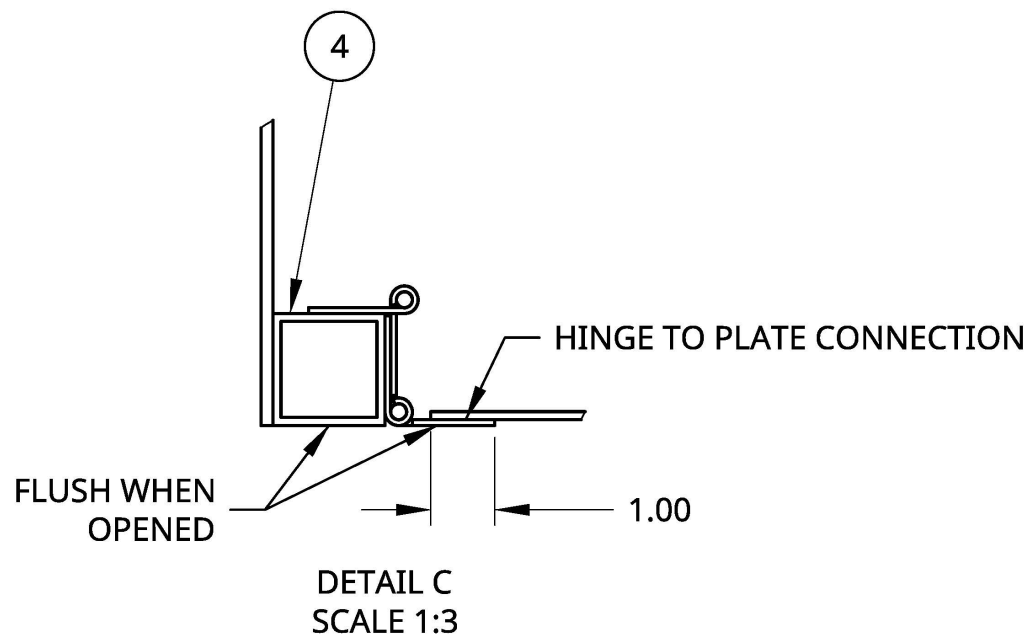
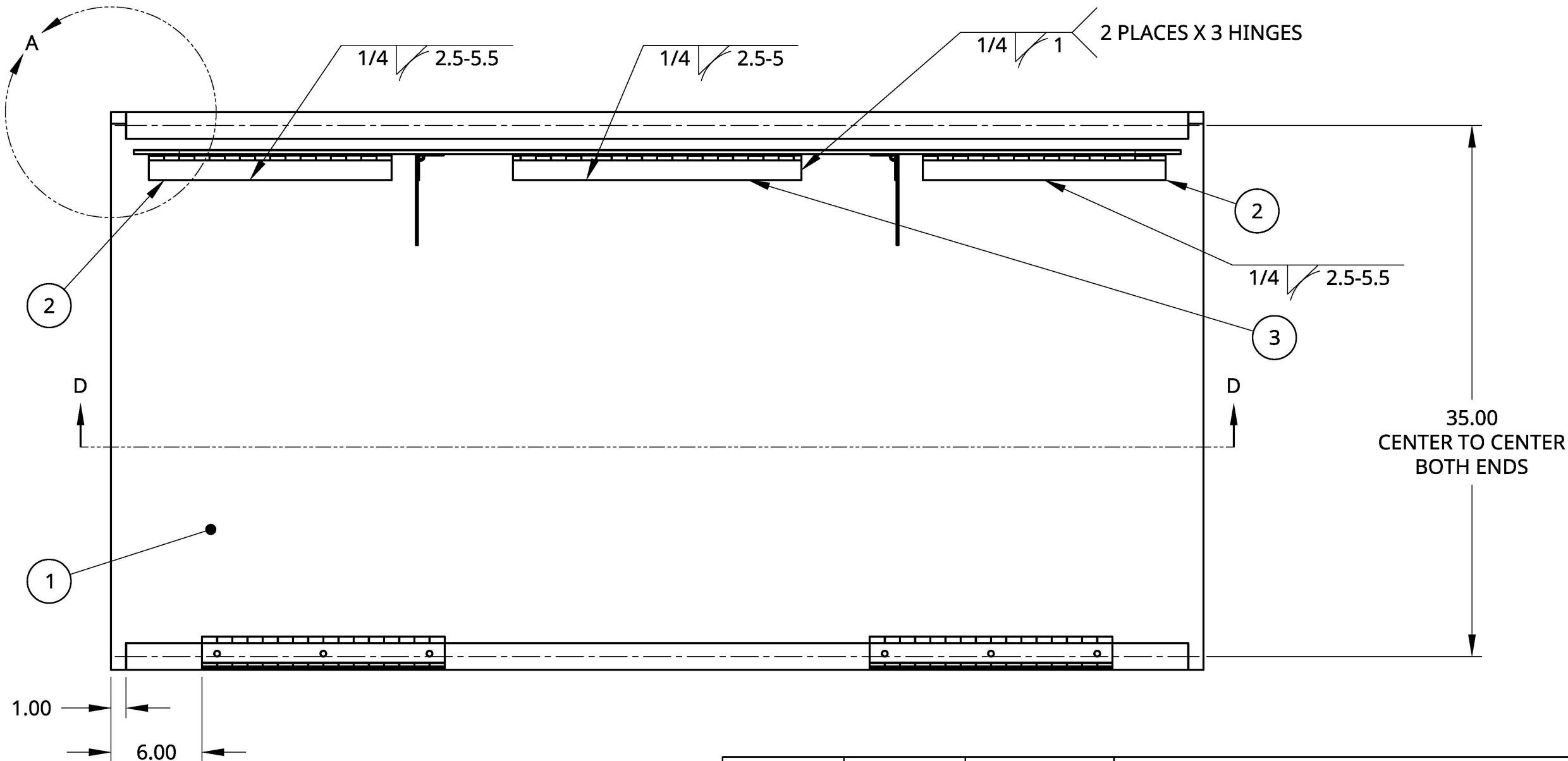
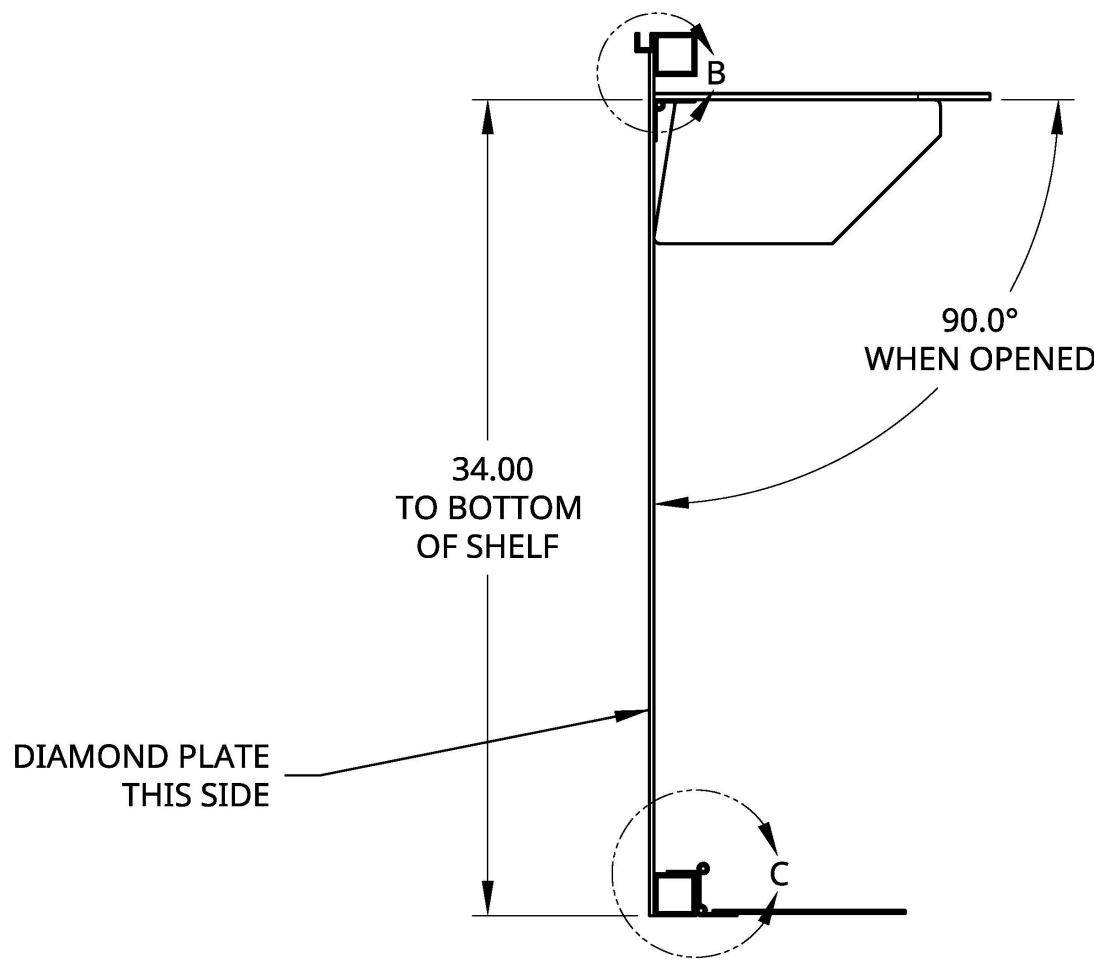
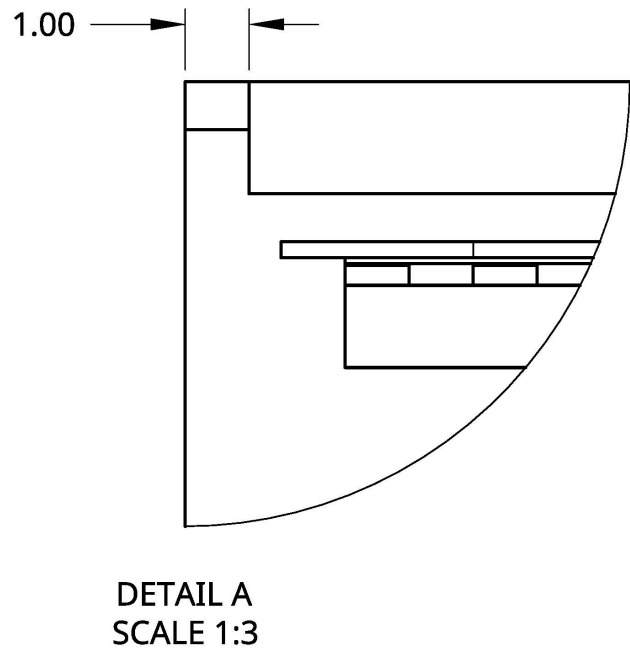
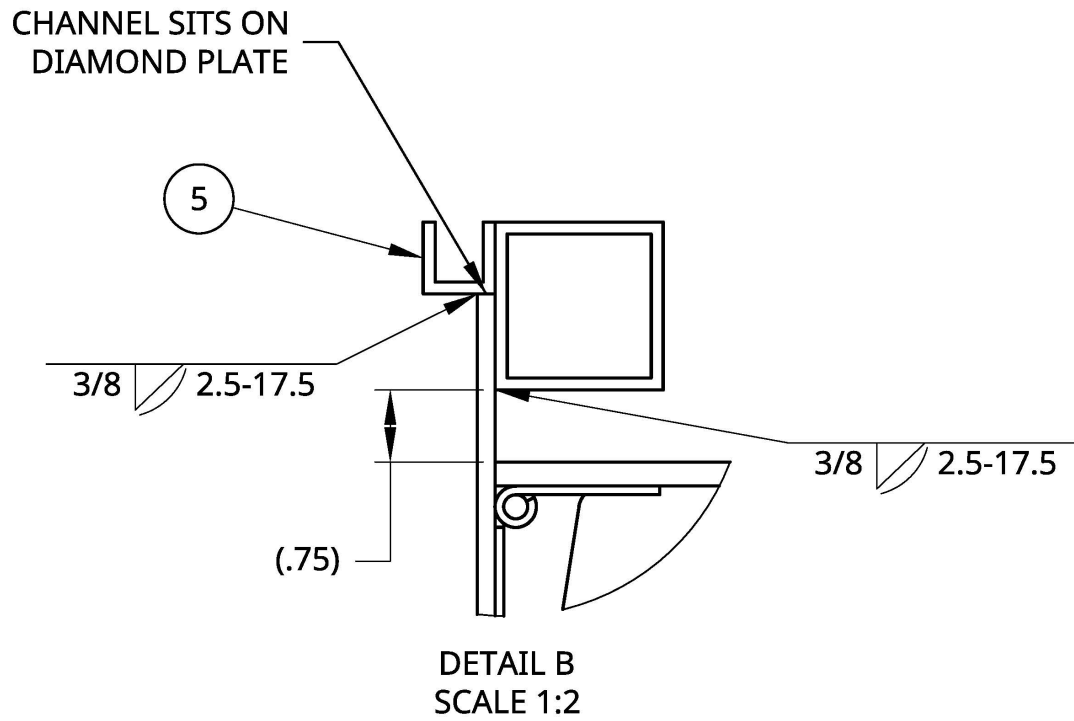
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES XX = ±.01    ANGULAR = ± 1° XXX = ±.005	VEND	NAME	DATE			
	DRAWN	JO	12/16/2025			
DO NOT SCALE DRAWING	MATERIAL  1/2" 6061 ALUMINUM ROD			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				1/2" 6061 ALUMINUM ROD		
PROPRIETARY AND CONFIDENTIAL THE INFORMATION 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	FE-00003-02	
				SCALE	4:1	SHEET

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NOTE:  
REMOVE ALL SHARP EDGES AND BURRS.

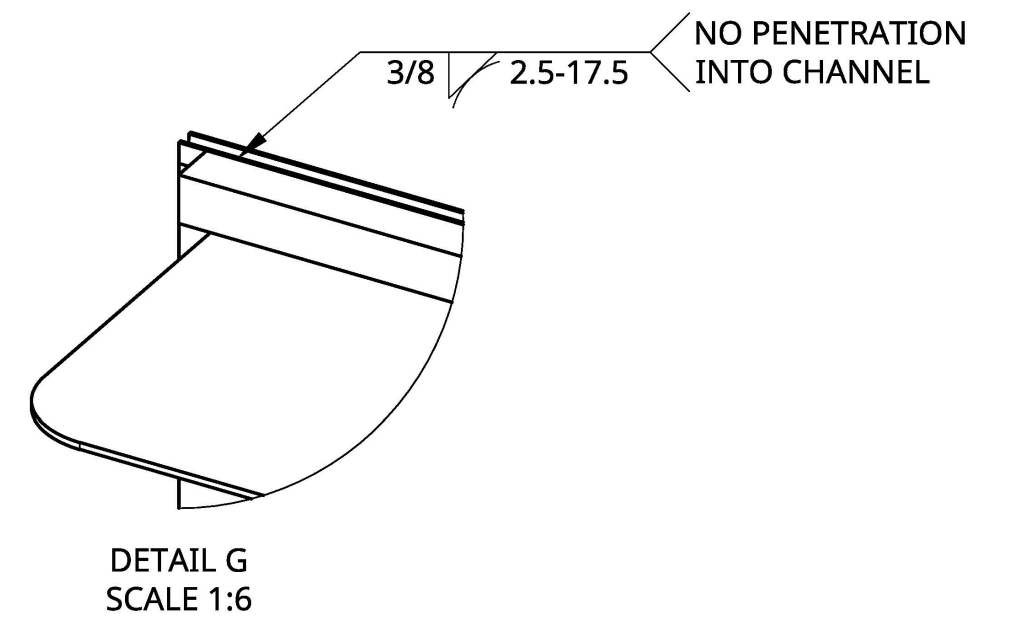
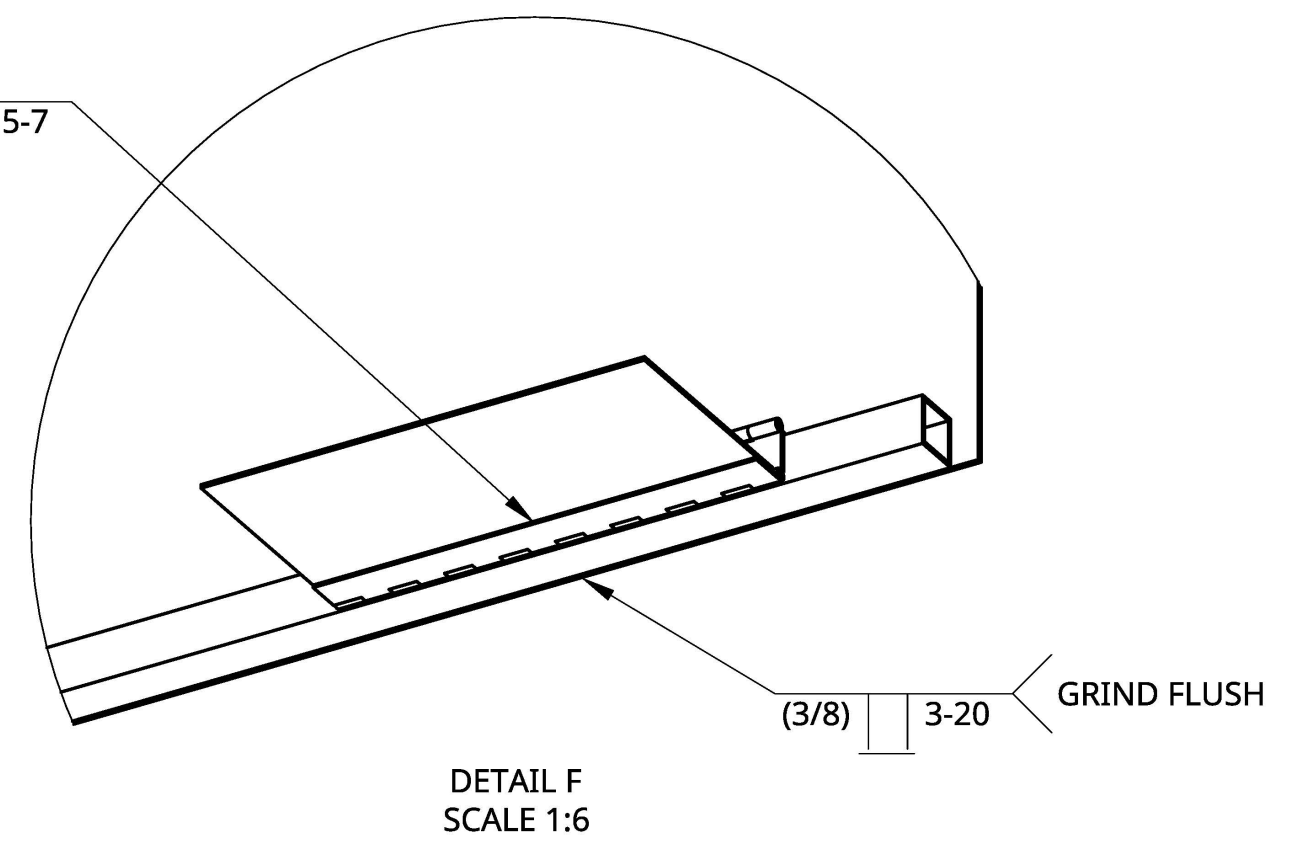
Item	Quantity	Part number	Description
1	1	FE-00004-01	3/16" Diamond Plate Sheet, 6061 Aluminum
2	2	FE-00004-02	Hinge, Aluminum 3" x .09", 1/4" Pin
3	1	FE-00004-03	Hinge, Aluminum 3" x .09", 1/4" Pin
4	2	FE-00004-04	1-3/4" x 1/8" Square Tube, 6061 Aluminum
5	1	FE-00004-05	3/4" x 3/4" x 1/8" Channel, 6063 Aluminum
6	1	FE-00004-06	1/4" Sheet, 6061 Aluminum
7	2	FE-00004-07	Hinge, Aluminum 3" x .09", 1/4" Pin
8	2	FE-00004-08	Hinge, Aluminum 3" x .09", 1/4" Pin
9	2	FE-00004-09	1/8" Sheet, 6061 Aluminum
10	2	FE-00004-10	1/8" Sheet, 6061 Aluminum


UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE		
	DRAWN	DF	12/18/2025		
	MATERIAL			TITLE	
DO NOT SCALE DRAWING	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.			END PANEL WELDMENT	
BREAK ALL SHARP EDGES AND REMOVE BURRS				SIZE C	DWG NO. FE-00004
				SCALE 1:8	REV. 1 of 12

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SECTION D - D



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES  XX = ±.01      ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE	<div><div>FIRST ROBOTICS COMPETITION</div></div>		
	DRAWN	DF	12/18/2025			
DO NOT SCALE DRAWING	MATERIAL			TITLE  END PANEL 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. FE-00004	REV.
				SCALE 1:12	SHEET 2 of 12	

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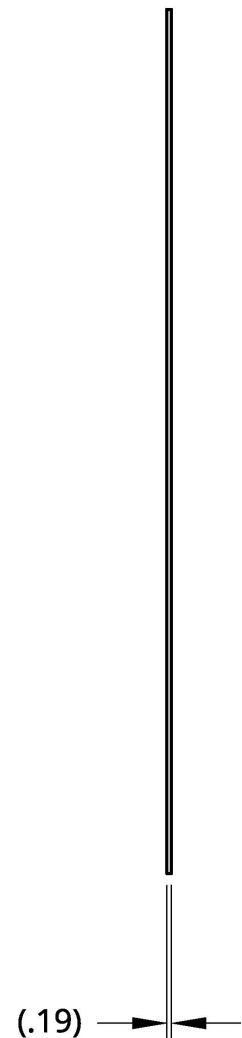
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES _XX = ±.01    ANGULAR = ± 1° _XXX = ±.005	VEND	NAME	DATE				
	DRAWN	DF	12/18/2025				
DO NOT SCALE DRAWING	MATERIAL  3/16" DIAMOND PLATE SHEET, 6061 ALUMINUM			TITLE  3/16" DIAMOND PLATE SHEET, 6061 ALUMINUM			
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. FE-00004-01	REV.
				SCALE 1:8		SHEET 3 of 12	

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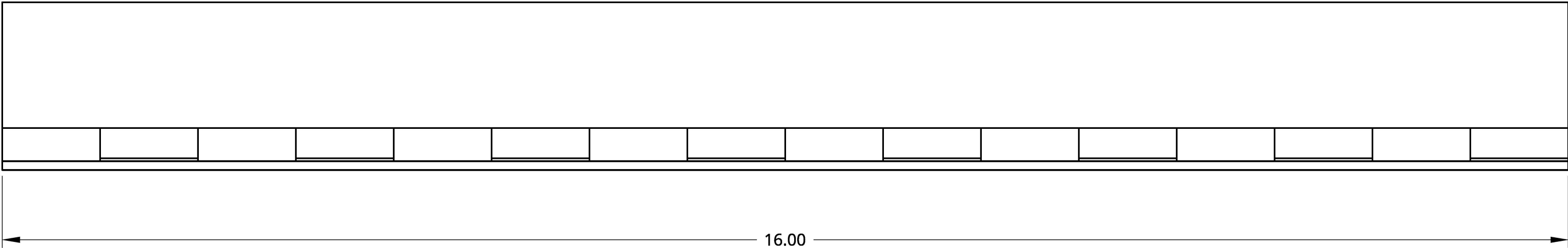
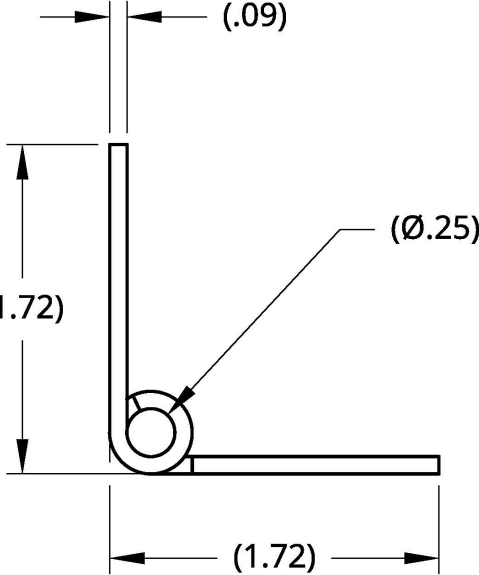
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES  .XX = ±.01    ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE			
	DRAWN	DF	12/18/2025			
DO NOT SCALE DRAWING	MATERIAL  <div>HINGE, ALUMINUM 3" X .09", 1/4" PIN</div>			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				HINGE, ALUMINUM 3" X .09", 1/4" PIN		
<b>PROPRIETARY AND CONFIDENTIAL</b> 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	FE-00004-02	
				SCALE	1:1	SHEET 4 of 12

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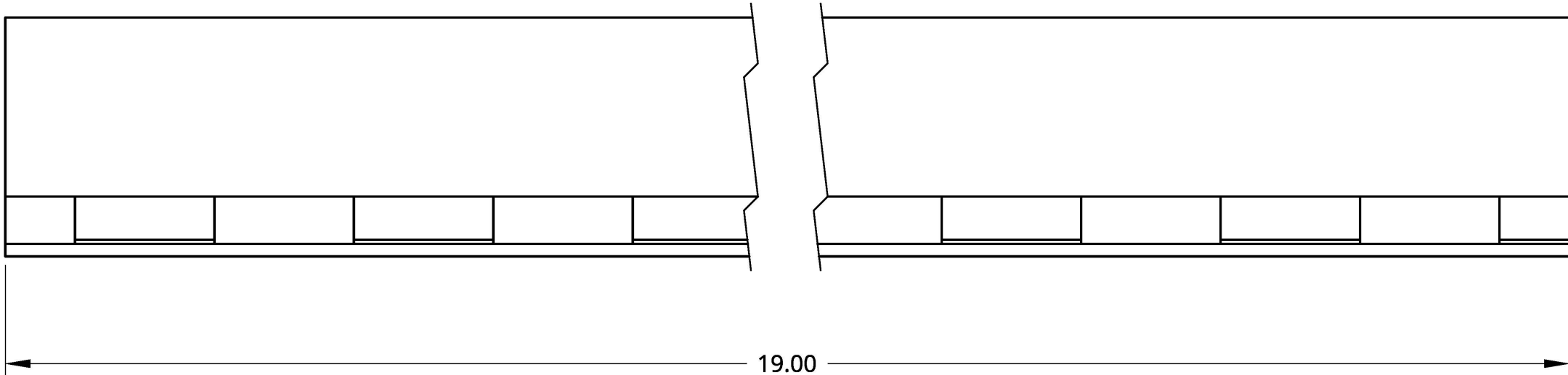
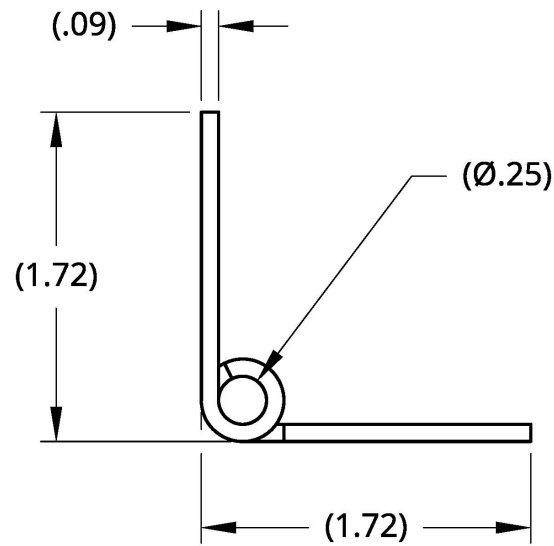
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01    ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE			
	DRAWN	DF	12/18/2025			
DO NOT SCALE DRAWING	MATERIAL  HINGE, ALUMINUM 3" X .09", 1/4" PIN			TITLE  HINGE, ALUMINUM 3" X .09", 1/4" PIN		
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.  FE-00004-03	REV.  
				SCALE  1:1	SHEET  5 of 12	

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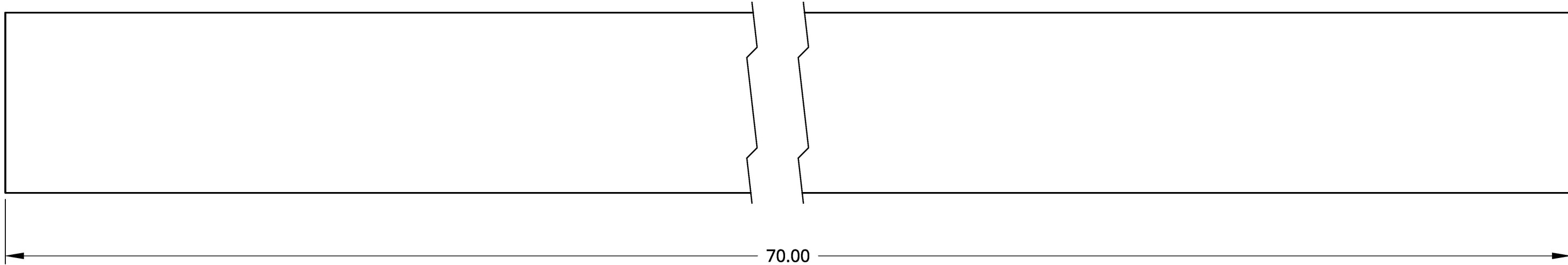
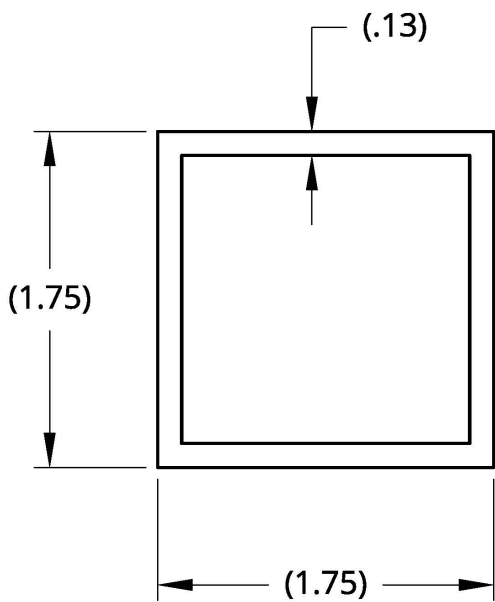
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES  .XX = ±.01    ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE			
	DRAWN	DF	12/18/2025			
DO NOT SCALE DRAWING	MATERIAL  1-3/4" X 1/8" SQUARE TUBE, 6061 ALUMINUM			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				1-3/4" X 1/8" SQUARE TUBE, 6061 ALUMINUM		
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	FE-00004-04	
				SCALE	1:1	SHEET

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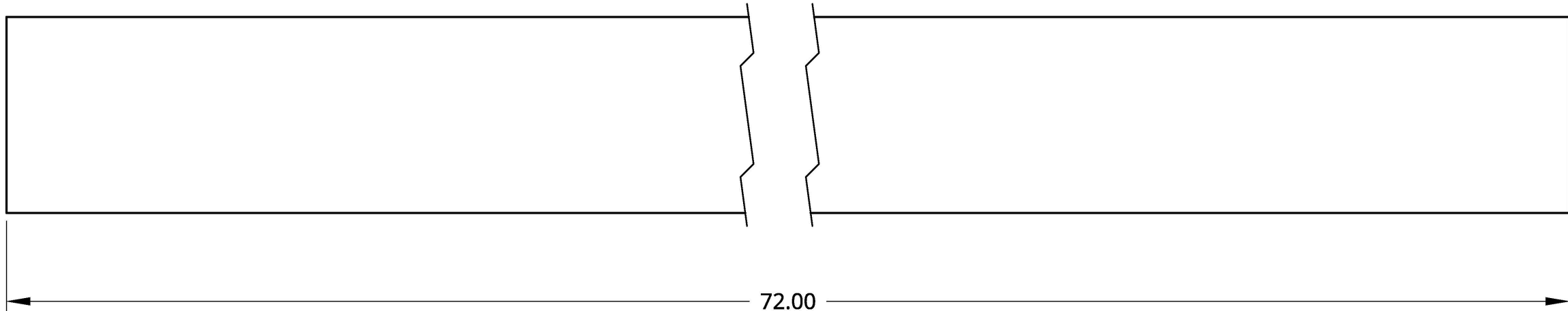
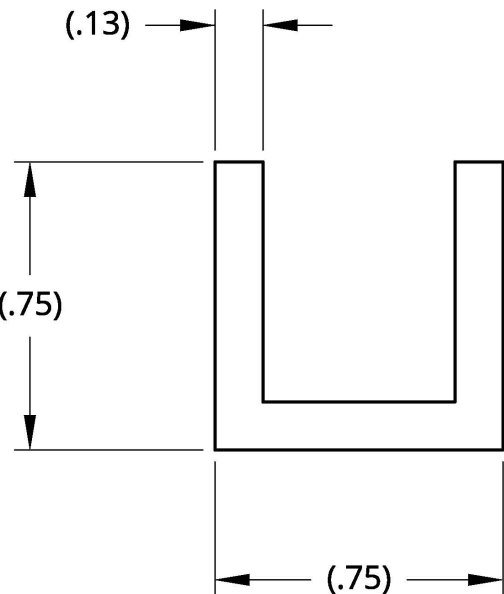
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01    ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE			
	DRAWN	DF	12/18/2025			
DO NOT SCALE DRAWING	MATERIAL  3/4" X 3/4" X 1/8" CHANNEL, 6063 ALUMINUM			TITLE  3/4" X 3/4" X 1/8" CHANNEL, 6063 ALUMINUM		
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.  FE-00004-05	REV.  
				SCALE  2:1	SHEET  7 of 12	

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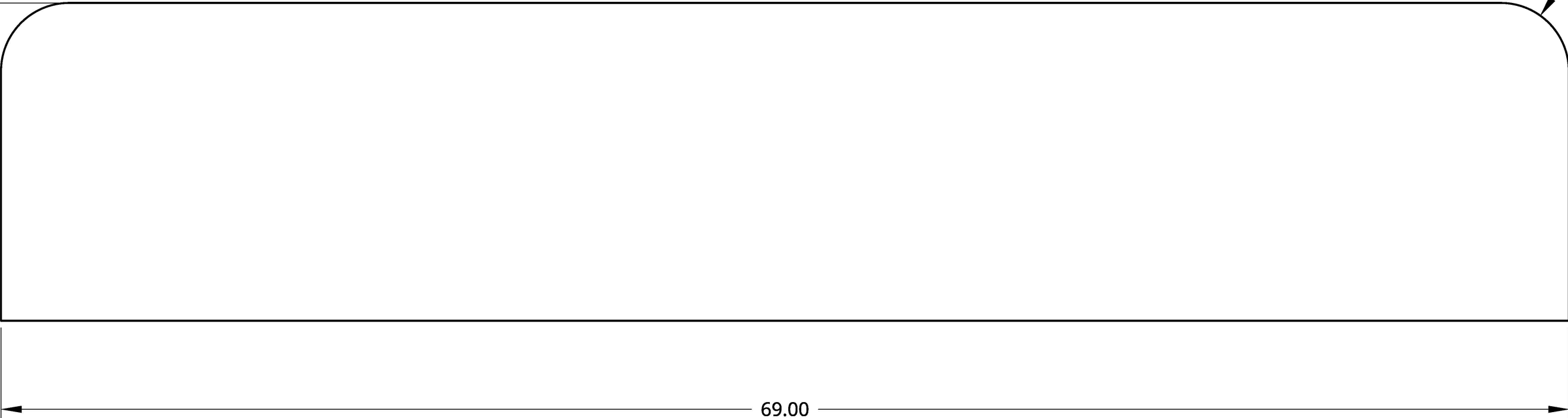
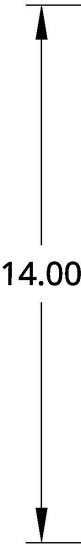
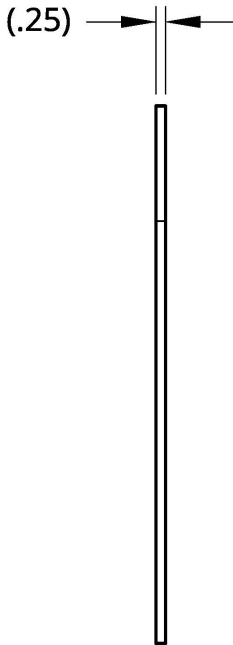
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01    ANGULAR = ±1° .XXX = ±.005	VEND	NAME	DATE				
	DRAWN	DF	12/18/2025				
DO NOT SCALE DRAWING	MATERIAL  1/4" SHEET, 6061 ALUMINUM			TITLE			
BREAK ALL SHARP EDGES AND REMOVE BURRS				1/4" SHEET, 6061 ALUMINUM			
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.	FE-00004-06	REV.
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				SCALE	1:5	SHEET	8 of 12

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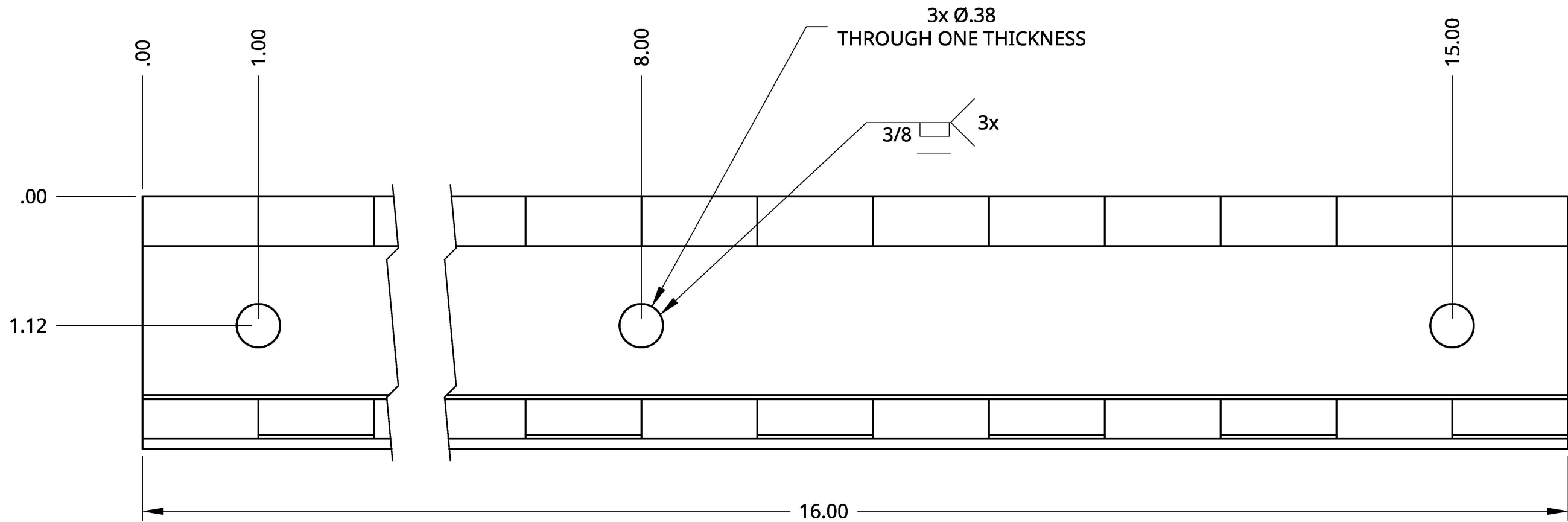
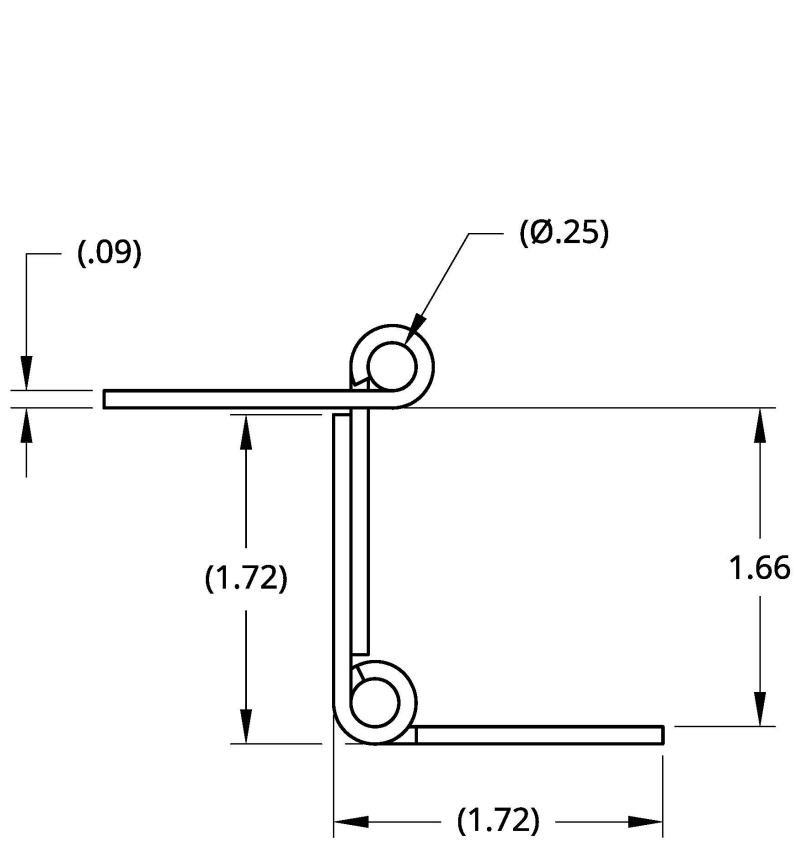
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES XX = ±.01    ANGULAR = ± 1° XXX = ±.005	VEND	NAME	DATE	 <b>FIRST ROBOTICS COMPETITION</b>		
	DRAWN	DF	12/18/2025			
DO NOT SCALE DRAWING	MATERIAL  HINGE, ALUMINUM 3" X .09", 1/4" PIN			TITLE  HINGE, ALUMINUM 3" X .09", 1/4"  PIN		
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				FE-00004-07		
SCALE		1:1	SHEET	9 of 12		

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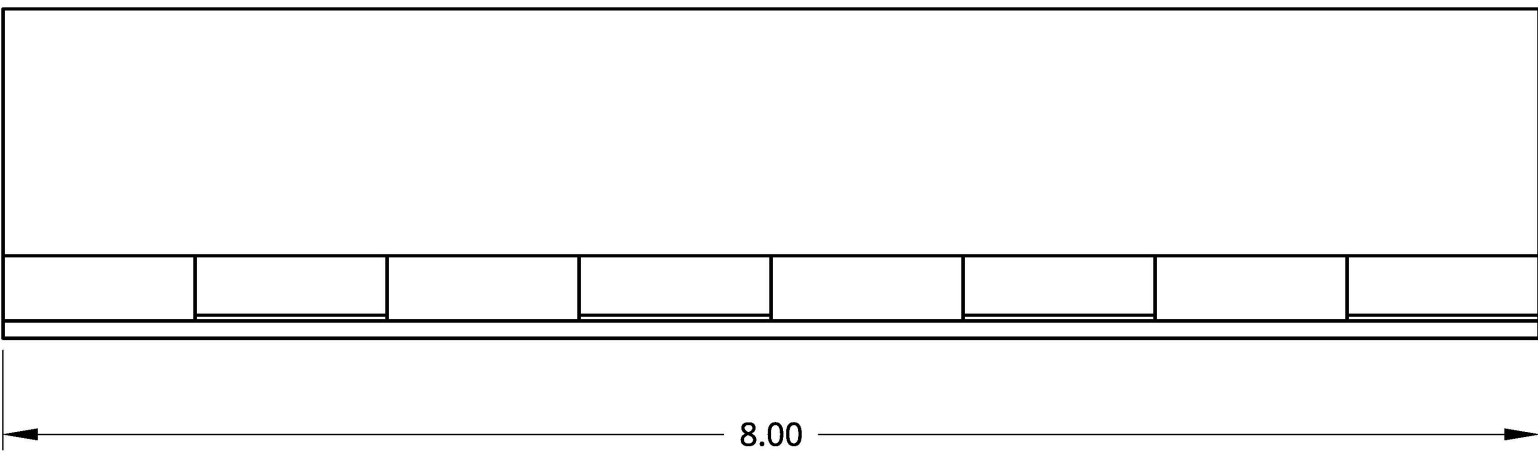
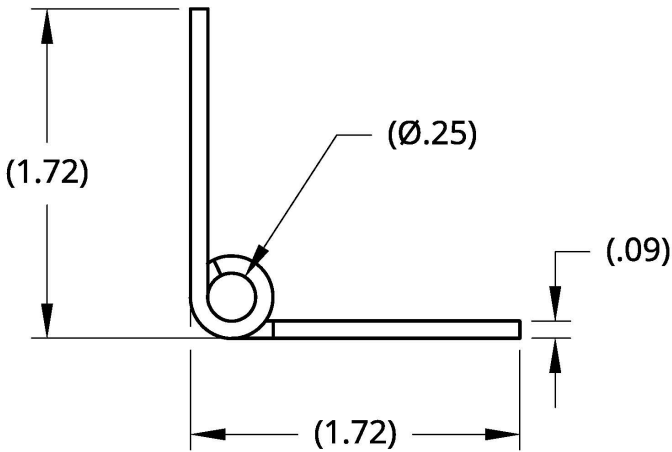
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES XX = ±.01    ANGULAR = ± 1° XXX = ±.005	VEND	NAME	DATE				
	DRAWN	DF	12/18/2025				
DO NOT SCALE DRAWING	MATERIAL  HINGE, ALUMINUM 3" X .09", 1/4" PIN			TITLE  HINGE, ALUMINUM 3" X .09", 1/4" PIN			
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. FE-00004-08	REV.
				SCALE 1:1		SHEET 10 of 12	

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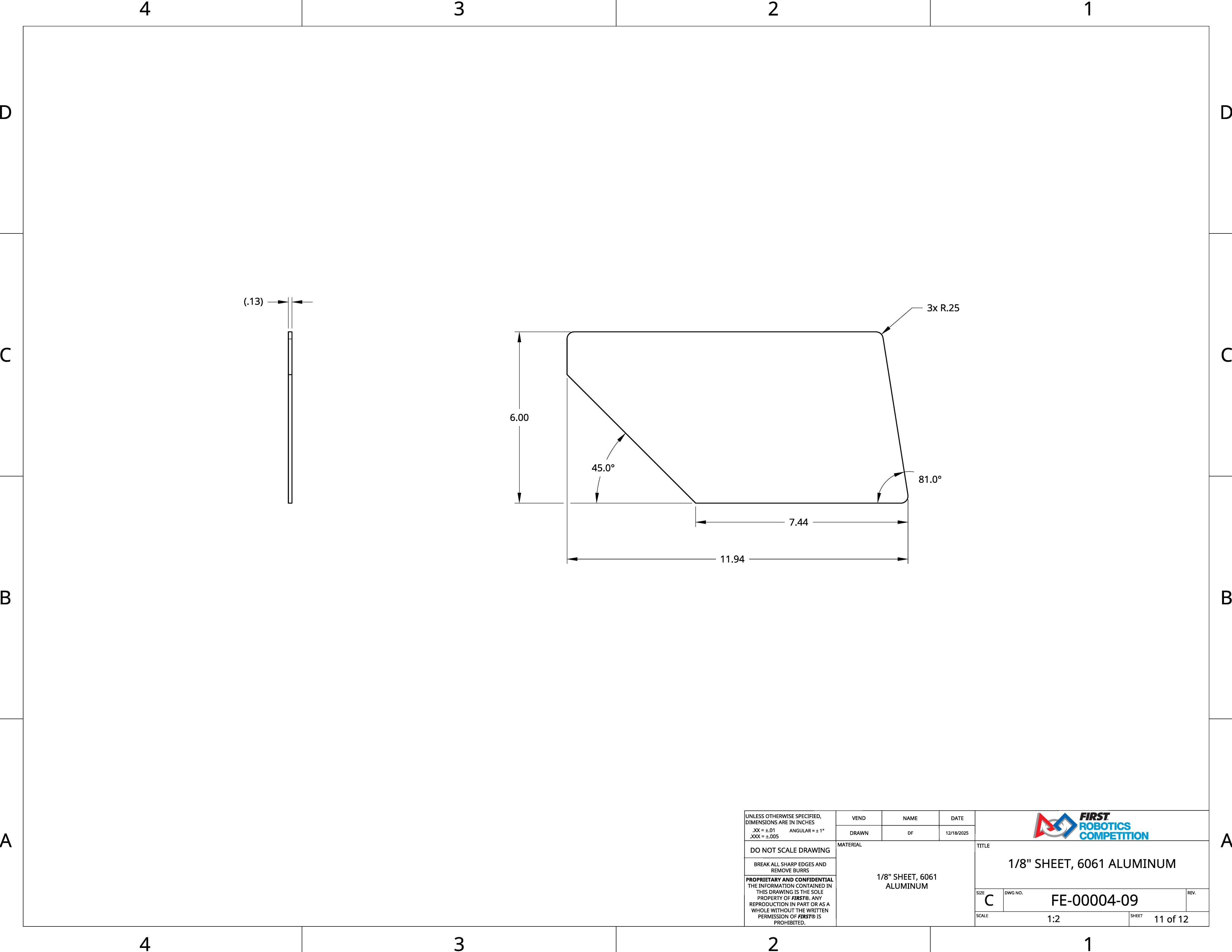
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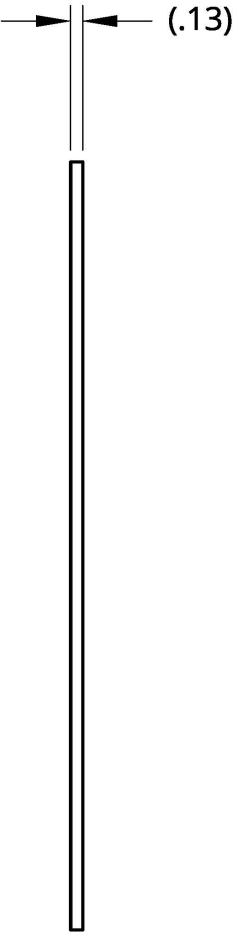
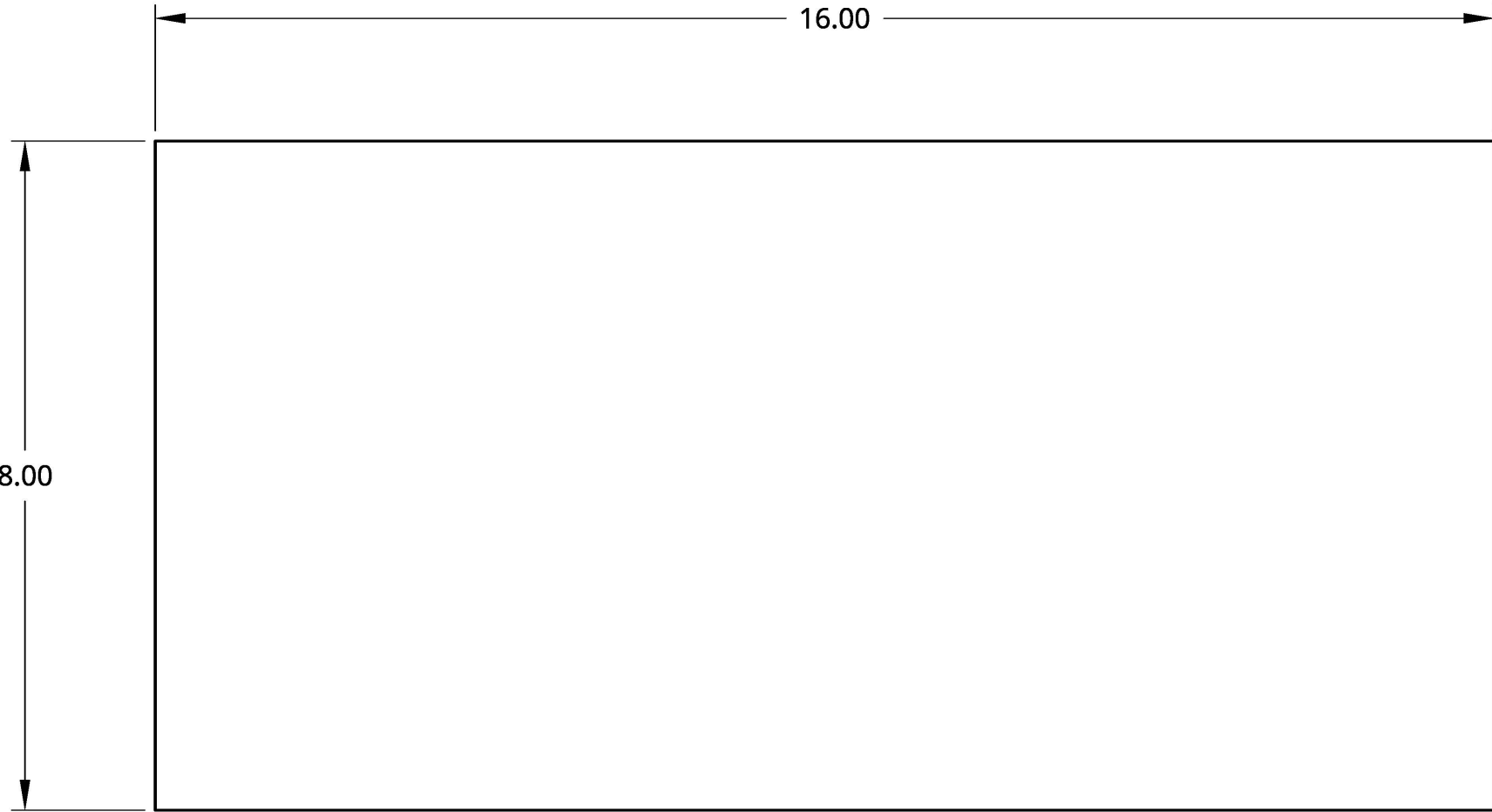
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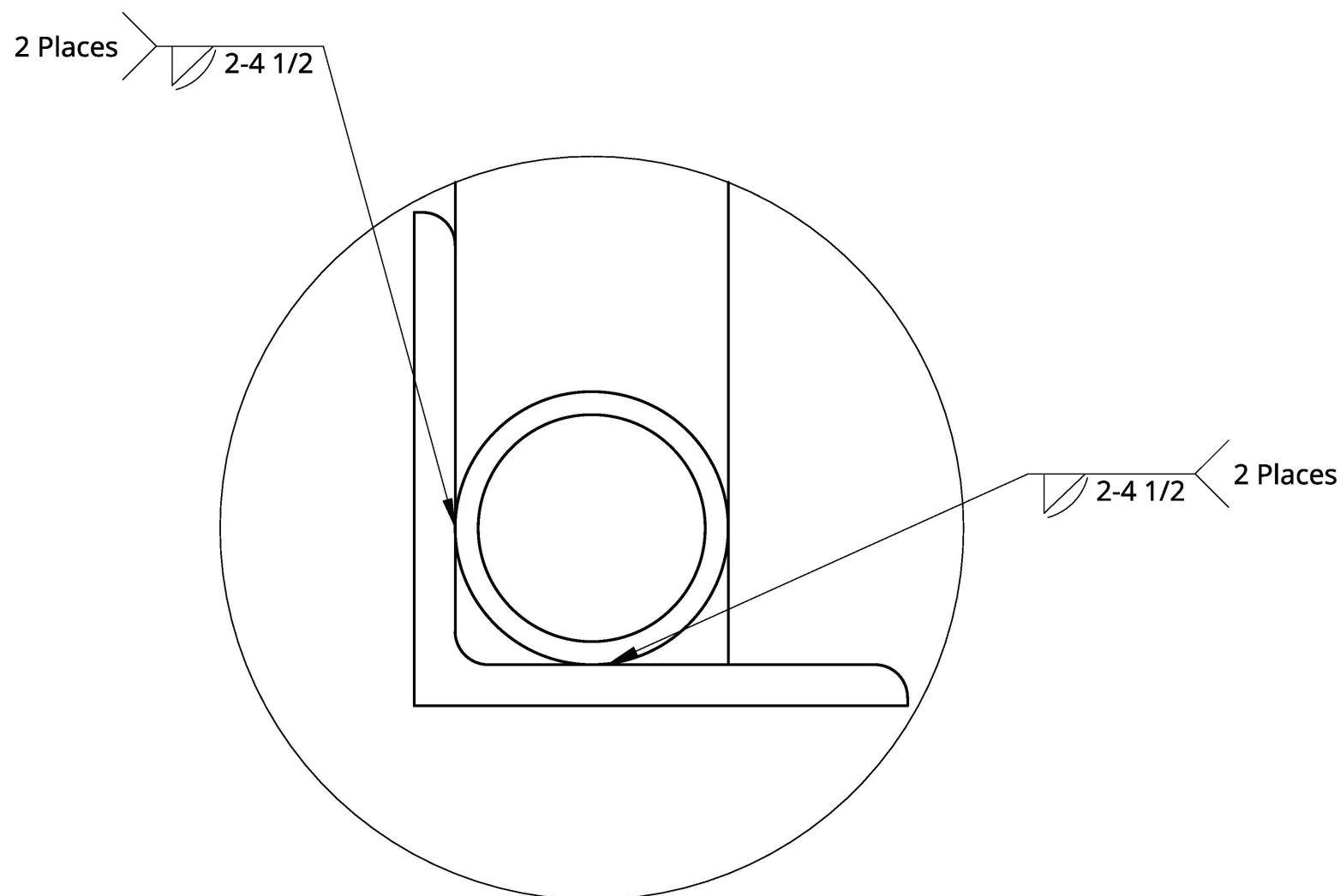
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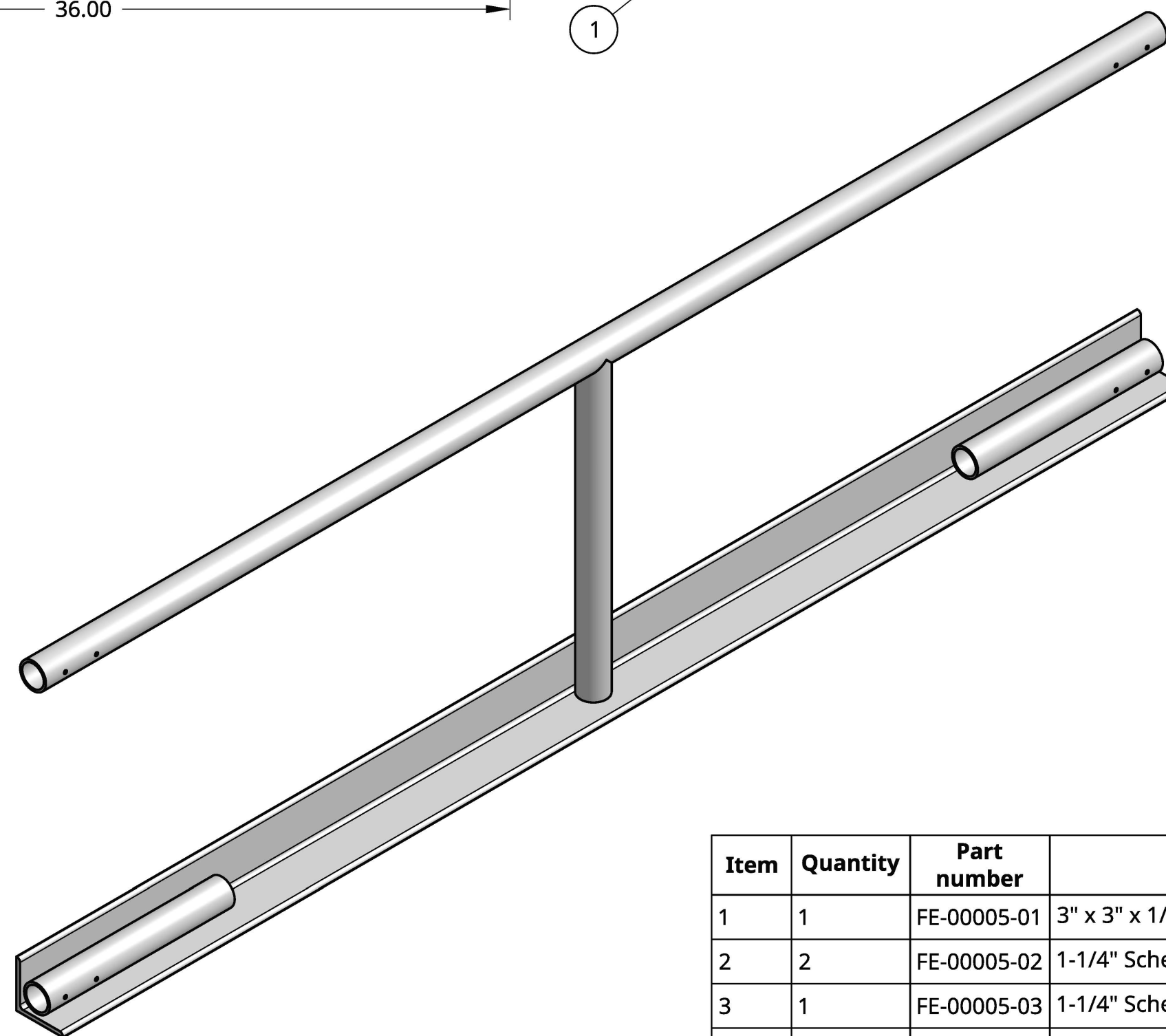
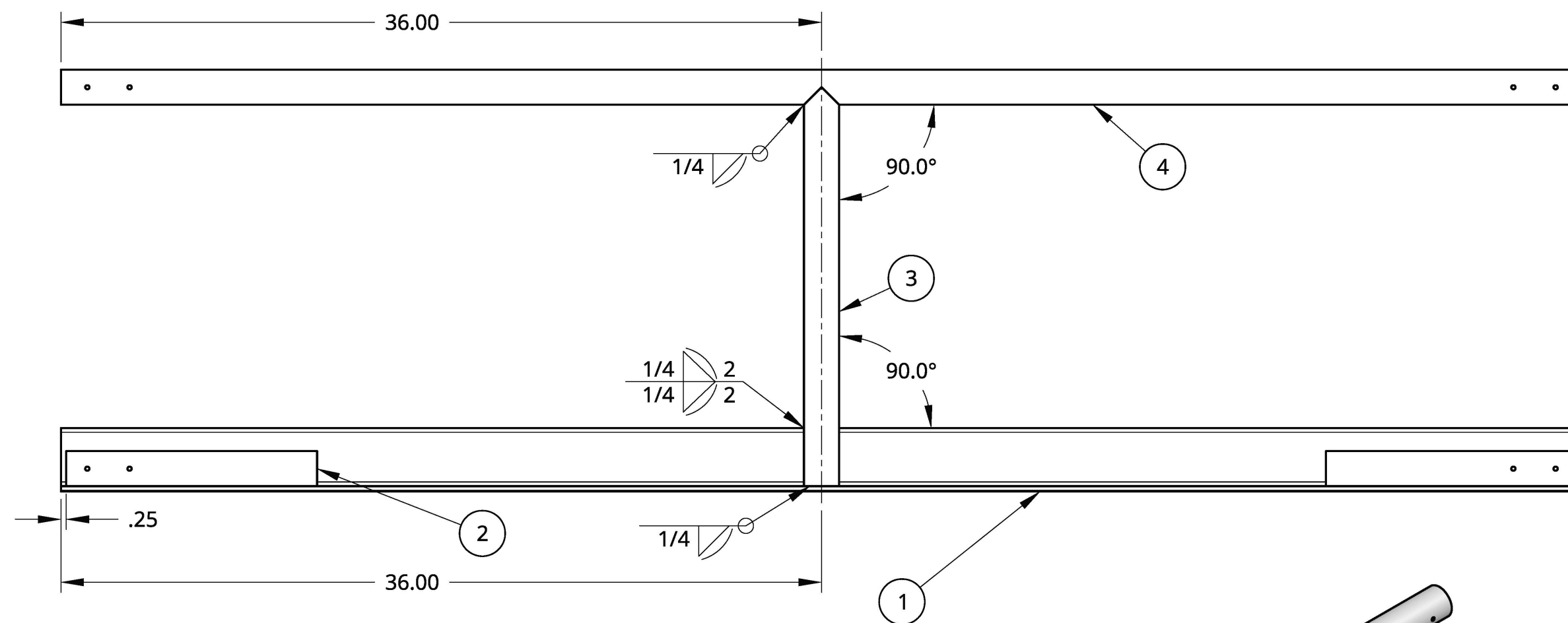
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES XX = ±.01    ANGULAR = ± 1° XXX = ±.005	VEND	NAME	DATE				
	DRAWN	DF	12/18/2025				
DO NOT SCALE DRAWING	MATERIAL  1/8" SHEET, 6061 ALUMINUM			TITLE			
BREAK ALL SHARP EDGES AND REMOVE BURRS				1/8" SHEET, 6061 ALUMINUM			
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	FE-00004-10		
	SCALE	1:2		SHEET	12 of 12		

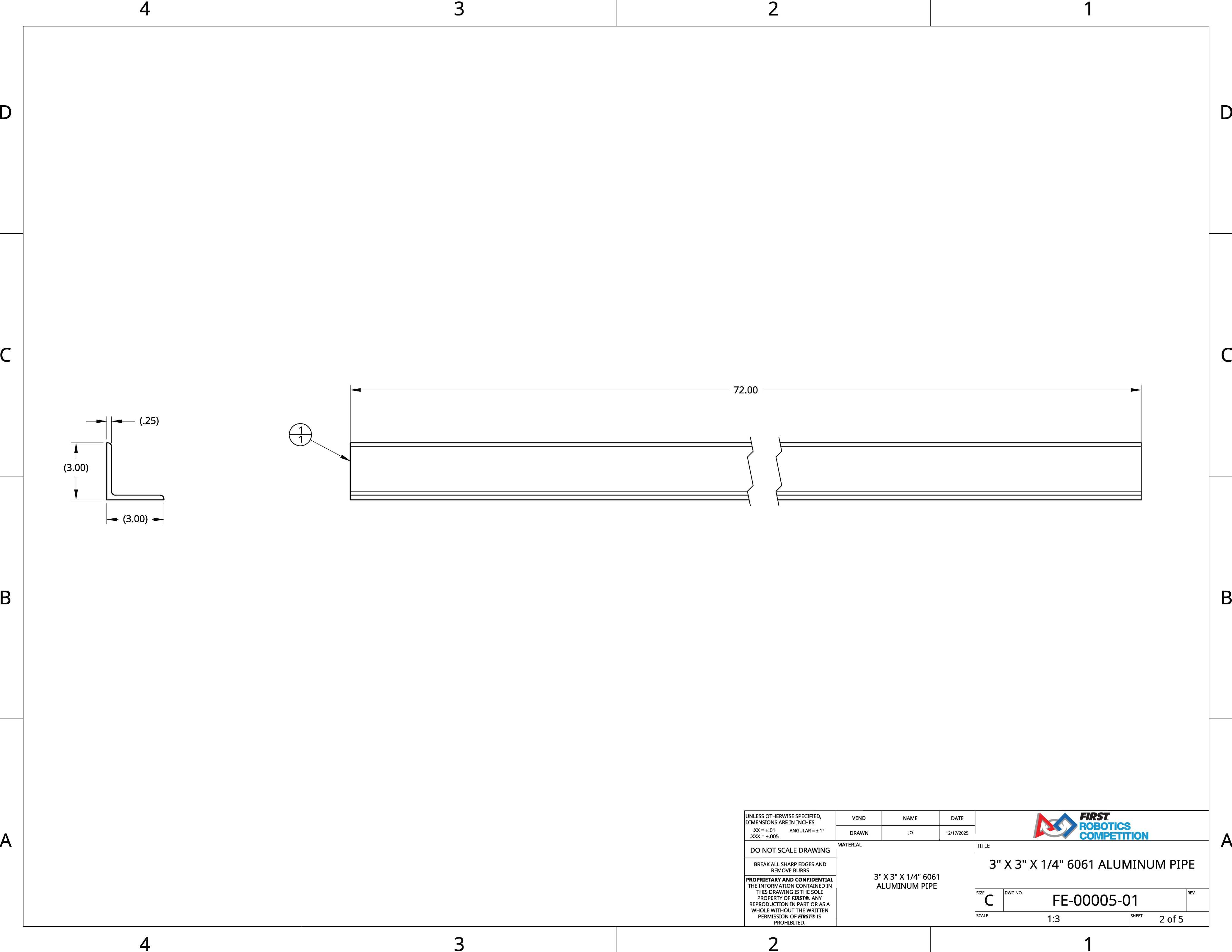



DETAIL A  
SCALE 1:1



Item	Quantity	Part number	Description
1	1	FE-00005-01	3" x 3" x 1/4" 6061 Aluminum Pipe
2	2	FE-00005-02	1-1/4" Schedule 40 6061 Aluminum Pipe
3	1	FE-00005-03	1-1/4" Schedule 40 6061 Aluminum Pipe
4	1	FE-00005-04	1-1/4" Schedule 40 6061 Aluminum Pipe

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES  $.XX = \pm .01$ ANGULAR = $\pm 1^\circ$ $.XXX = \pm .005$	<div> <div> VEND </div> </div>	<div> <div>NAME</div> </div>	<div> <div>DATE</div> </div>	<div>  </div>		
	<div> <div>DRAWN</div> </div>	<div> <div>JO</div> </div>	<div> <div>12/17/2025</div> </div>			
DO NOT SCALE DRAWING	<div>MATERIAL</div>			<div> <div>TITLE</div> <div>FIELD RAIL WELDMENT</div> </div>		
<div> <div>BREAK ALL SHARP EDGES AND REMOVE BURRS</div> </div>						
<div> <div>PROPRIETARY AND CONFIDENTIAL</div> <div>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF <b>FIRST®</b>. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF <b>FIRST®</b> IS PROHIBITED.</div> </div>						
				<div> <div>SIZE</div> <div>C</div> </div>	<div> <div>DWG NO.</div> <div>FE-00005</div> </div>	<div> <div>REV.</div> </div>
				<div> <div>SCALE</div> <div>1:6</div> </div>	<div> <div>SHEET</div> <div>1 of 5</div> </div>	



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01    ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE			
	DRAWN	JO	12/17/2025			
DO NOT SCALE DRAWING	MATERIAL  3" X 3" X 1/4" 6061 ALUMINUM PIPE			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				3" X 3" X 1/4" 6061 ALUMINUM PIPE		
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	FE-00005-01	
	SCALE	1:3	SHEET	2 of 5		

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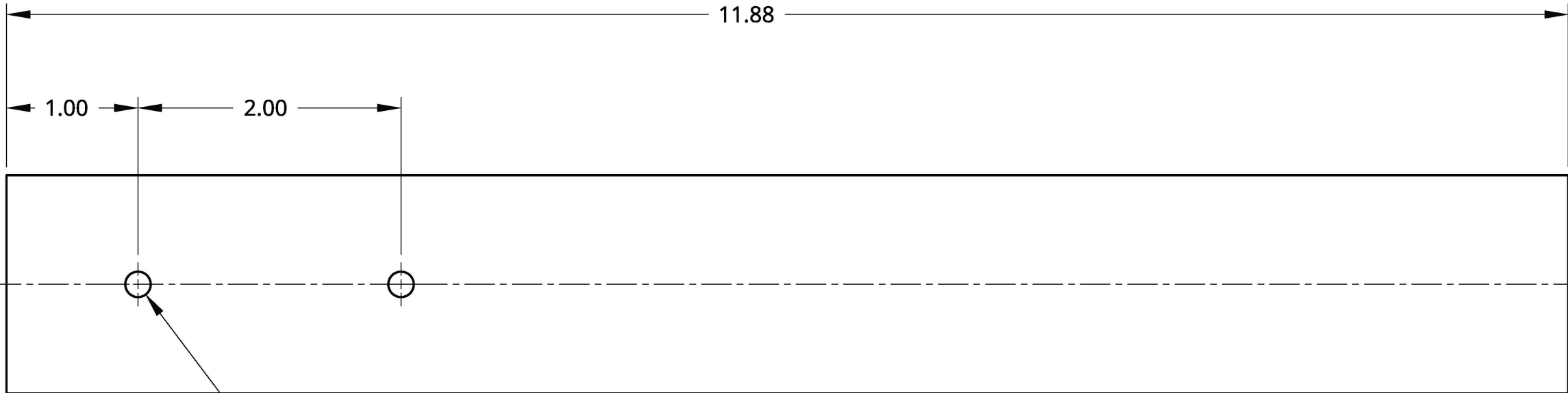
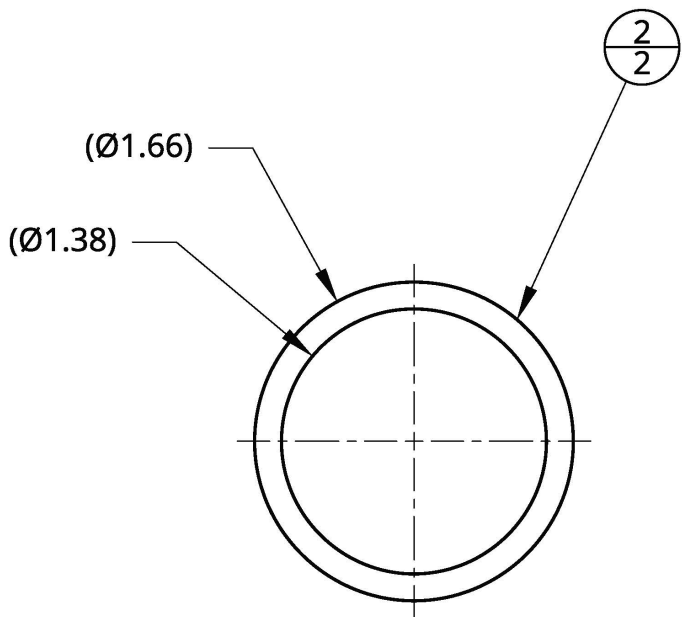
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01    ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE		
	DRAWN	JO	12/17/2025		
	MATERIAL			TITLE	
DO NOT SCALE DRAWING	1-1/4" SCHEDULE 40 6061 ALUMINUM PIPE			1-1/4" SCHEDULE 40 6061 ALUMINUM PIPE	
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. FE-00005-02	3 of 5
SCALE 1:1		SHEET			

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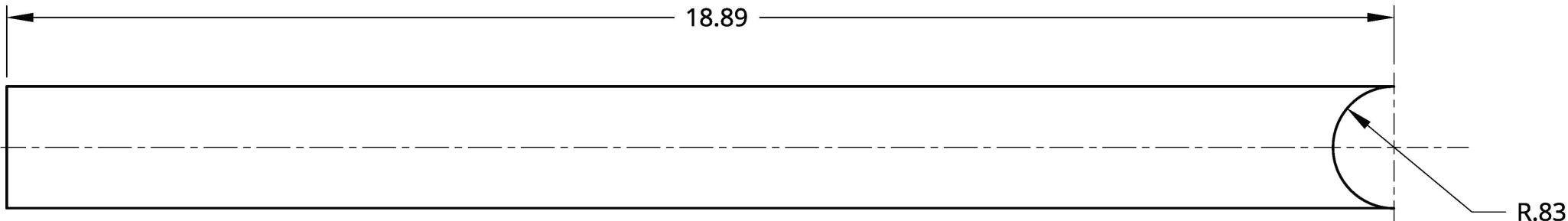
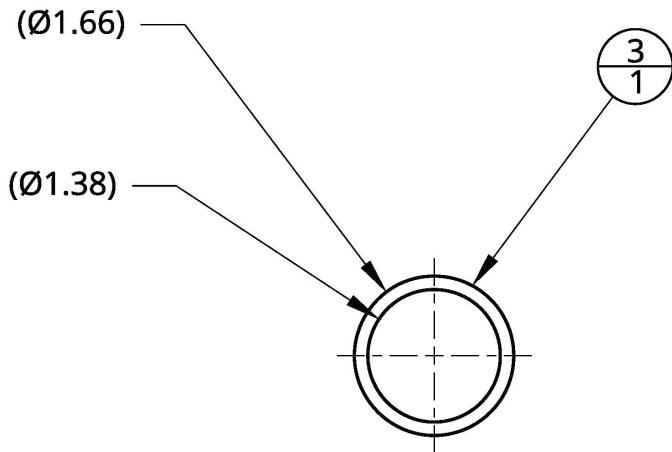
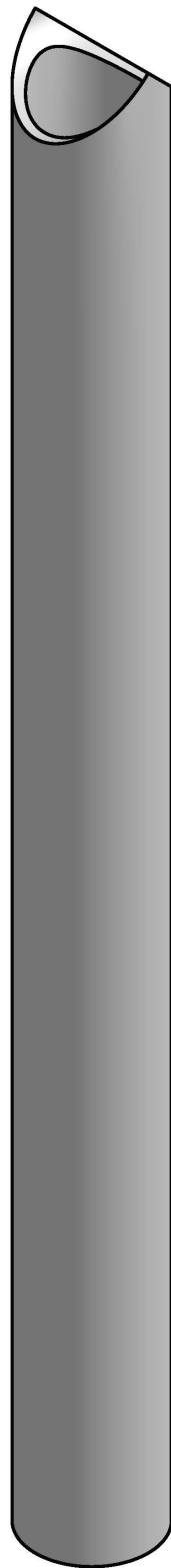
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES  .XX = ±.01    ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE			
	DRAWN	JO	12/17/2025			
DO NOT SCALE DRAWING	MATERIAL   1-1/4" SCHEDULE 40 6061 ALUMINUM PIPE			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				1-1/4" SCHEDULE 40 6061 ALUMINUM PIPE		
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. FE-00005-03	REV.
				SCALE 1:2	SHEET 4 of 5	

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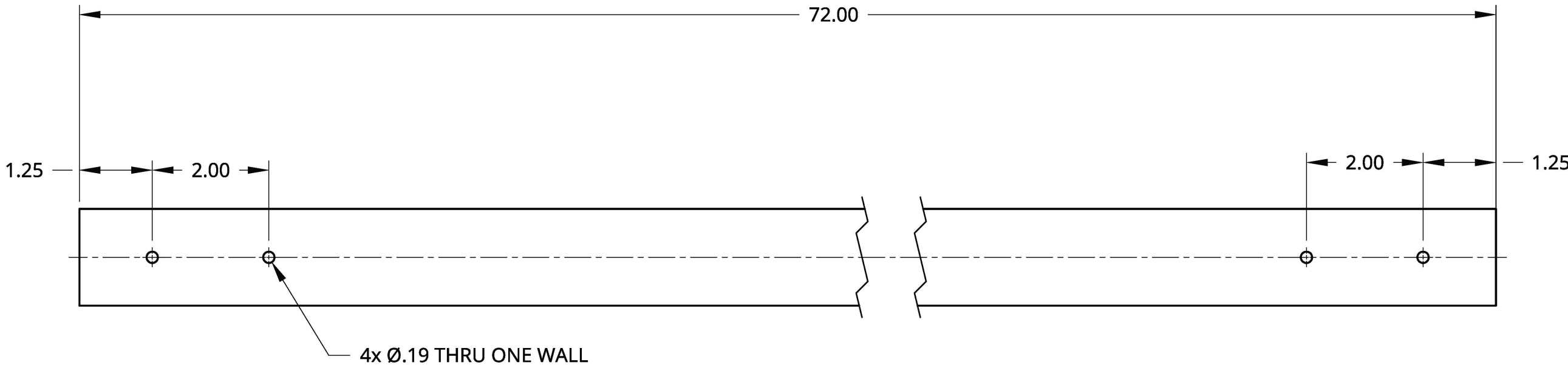
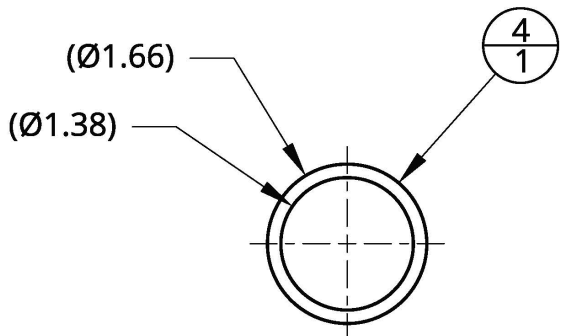
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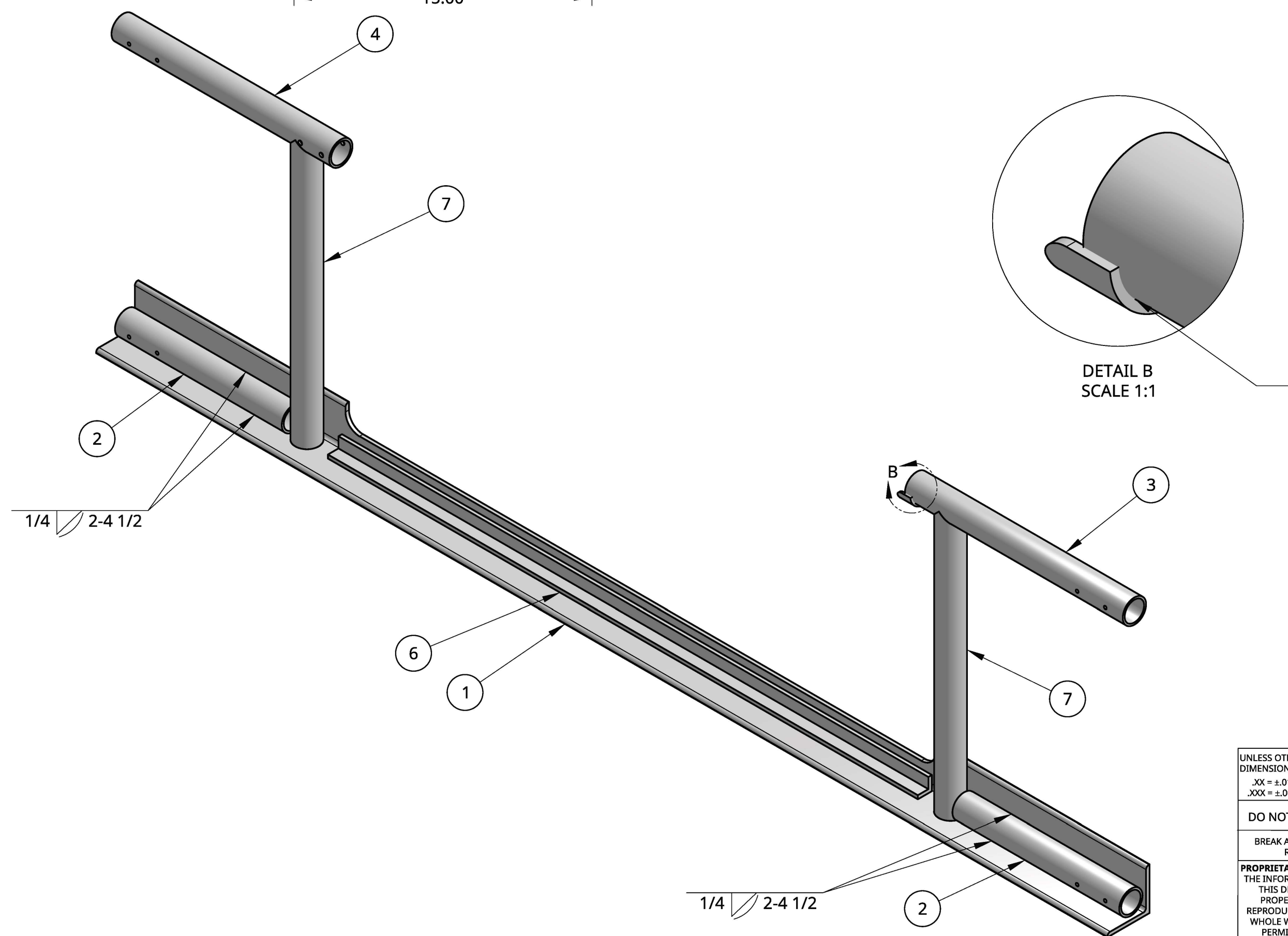
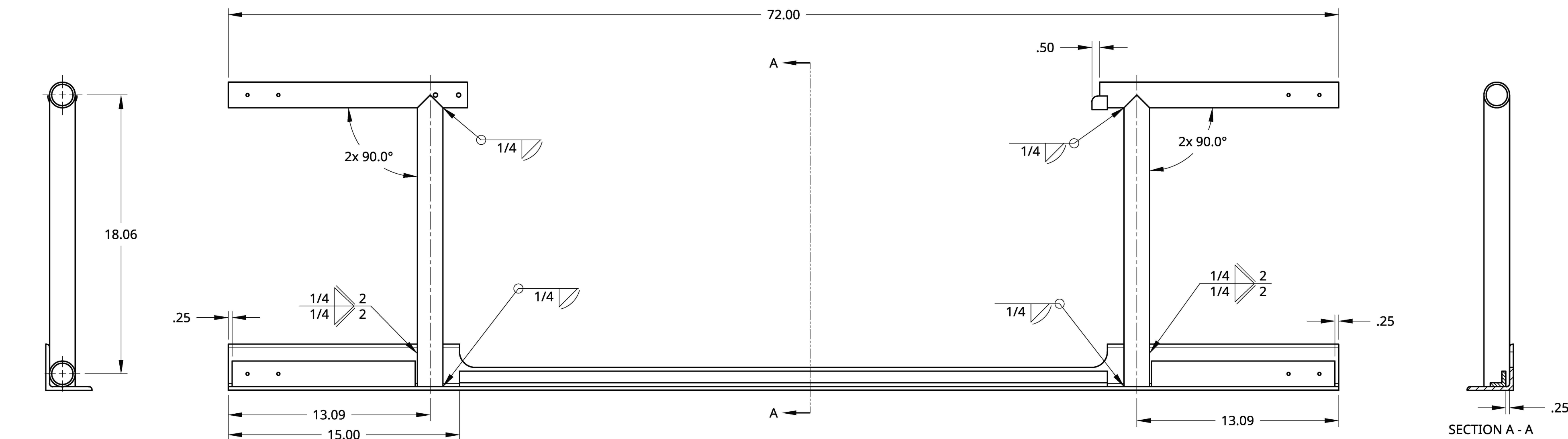
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES  .XX = ±.01    ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE			
	DRAWN	JO	12/17/2025			
DO NOT SCALE DRAWING	MATERIAL  1-1/4" SCHEDULE 40 6061 ALUMINUM PIPE			TITLE  1-1/4" SCHEDULE 40 6061 ALUMINUM PIPE		
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.  FE-00005-04	REV.  
				SCALE  1:2	SHEET  5 of 5	





Item	Quantity	Part number	Description
1	1	FE-00006-01	3" x 3" x 1/4" 6061 Aluminum Angle
2	2	FE-00006-02	1-1/4" Schedule 40 Aluminum Pipe
3	1	FE-00006-03	1-1/4" Schedule 40 Aluminum Pipe
4	1	FE-00006-04	1-1/4" Schedule 40 Aluminum Pipe
5	1	FE-00006-05	1-1/2" Schedule 40 Aluminum Pipe
6	1	FE-00006-06	1" x 1" x 1/4" 6061 Aluminum Angle
7	2	FE-00006-07	1-1/4" Schedule 40 Aluminum Pipe

UNLESS OTHERWISE SPECIFIED,  
DIMENSIONS ARE IN INCHES

.XX =  $\pm .01$       ANGULAR =  $\pm 1^\circ$   
.XXX =  $\pm .005$

DO NOT SCALE DRAWING

**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	12/17/202

	MATERIAL
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	TITLE
--	-------

FIELD RAIL, GATE WELDMENT

SIZE	
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SCALE	1:5	SHEET	1 of 8
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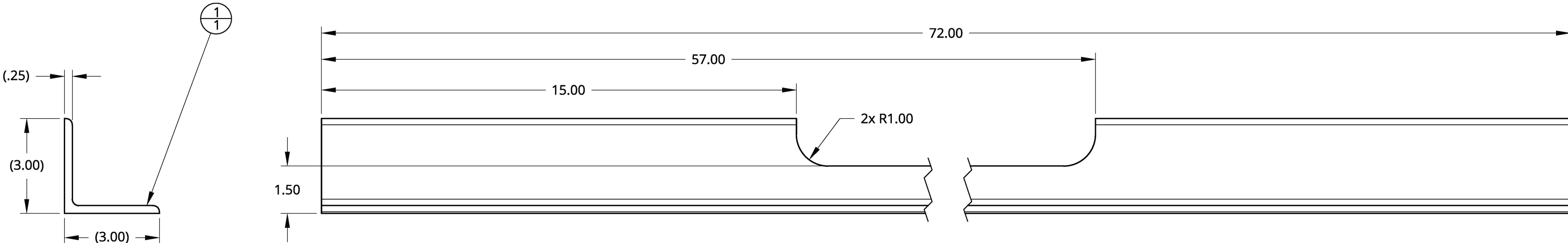
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES _XX = ±.01    ANGULAR = ± 1° _XXX = ±.005	VEND	NAME	DATE				
	DRAWN	JO	12/17/2025				
DO NOT SCALE DRAWING	MATERIAL  3" X 3" X 1/4" 6061 ALUMINUM ANGLE			TITLE  3" X 3" X 1/4" 6061 ALUMINUM ANGLE			
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. FE-00006-01	REV.
				SCALE 1:2.5		SHEET 2 of 8	

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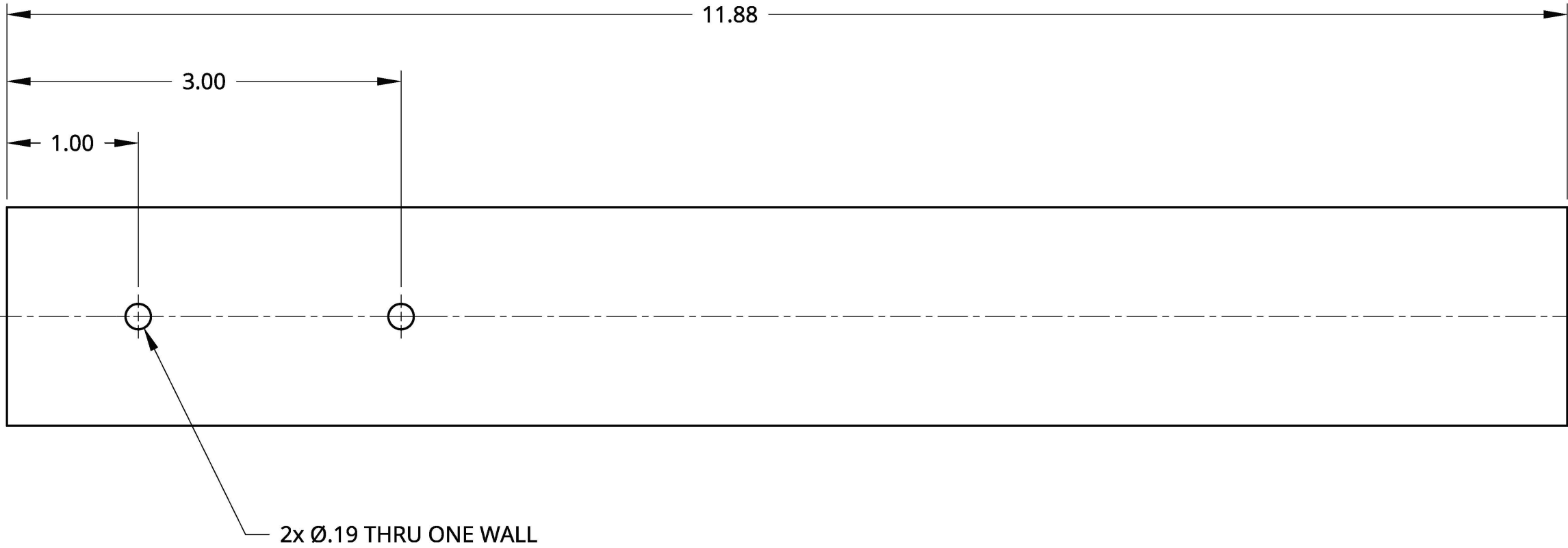
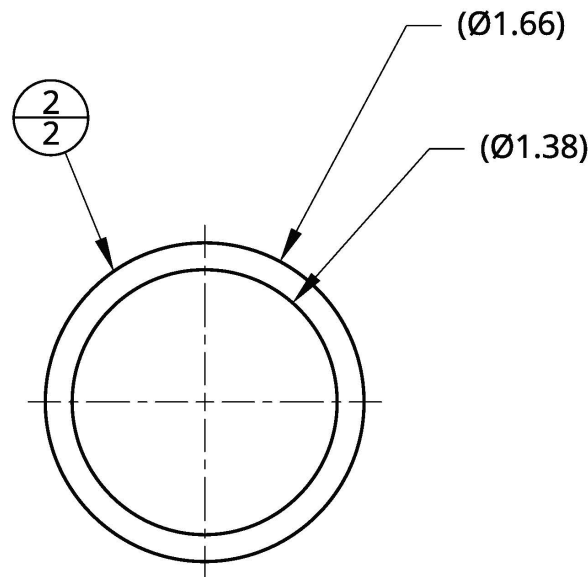
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01    ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE		
	DRAWN	JO	12/17/2025		
	MATERIAL  1-1/4" SCHEDULE 40 ALUMINUM PIPE			TITLE 1-1/4" SCHEDULE 40 ALUMINUM PIPE	
				SIZE C	REV. FE-00006-02
DO NOT SCALE DRAWING	1-1/4" SCHEDULE 40 ALUMINUM PIPE			SCALE 1:1	SHEET 3 of 8
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.					

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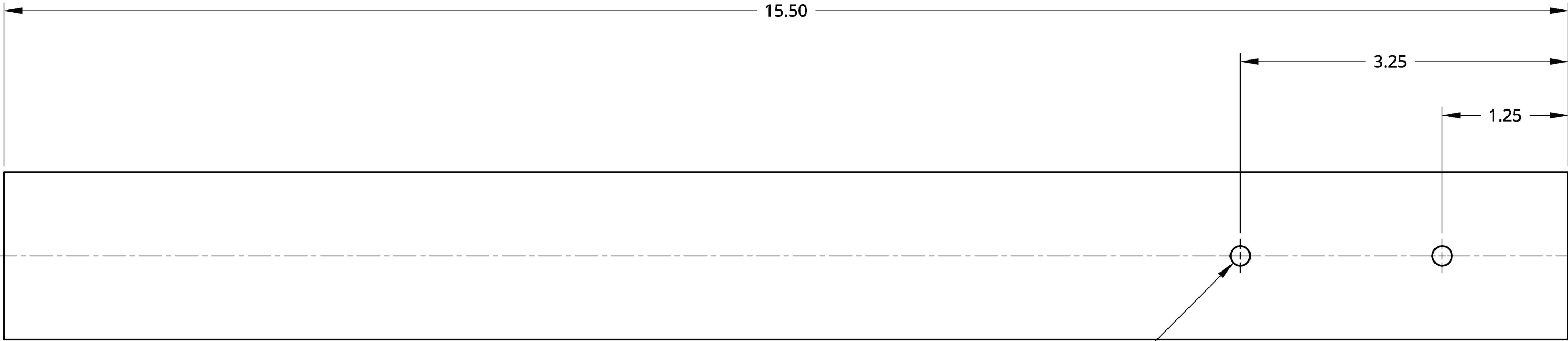
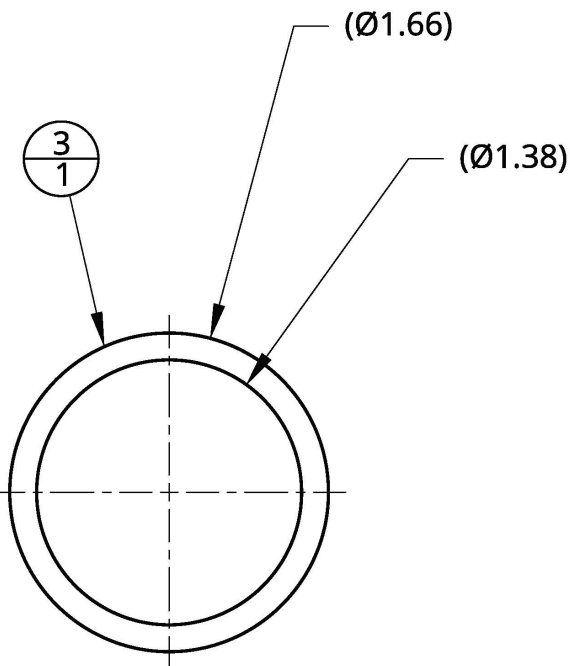
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES  .XX = ±.01    ANGULAR = ± 1° .XXX = ±.005  DO NOT SCALE DRAWING  BREAK ALL SHARP EDGES AND REMOVE BURRS  <b>PROPRIETARY AND CONFIDENTIAL</b> THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE 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	12/17/2025			
MATERIAL  1-1/4" SCHEDULE 40 ALUMINUM PIPE				TITLE  1-1/4" SCHEDULE 40 ALUMINUM PIPE		
				SIZE <b>C</b>	DWG NO. <b>FE-00006-03</b>	REV.
				SCALE <b>1:1</b>		SHEET <b>4 of 8</b>

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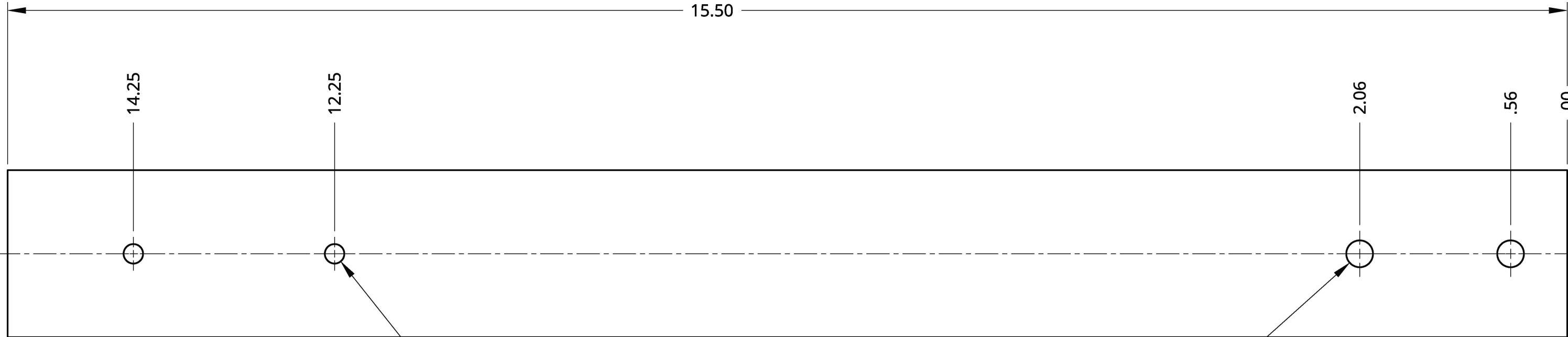
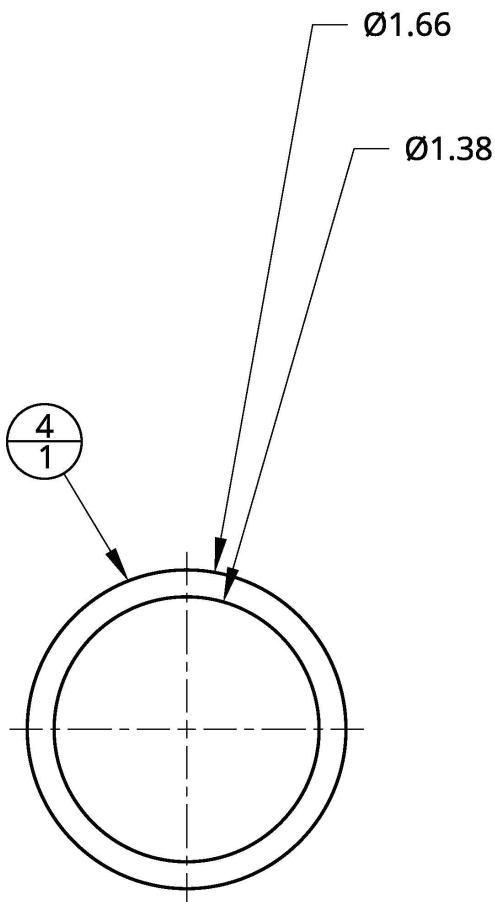
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2x Ø.19 THRU ONE WALL

2x Ø.27 THRU ALL

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES  .XX = ±.01    ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE			
	DRAWN	JO	12/17/2025			
DO NOT SCALE DRAWING	MATERIAL  1-1/4" SCHEDULE 40 ALUMINUM PIPE			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				1-1/4" SCHEDULE 40 ALUMINUM PIPE		
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	FE-00006-04	
				SCALE	1:1	SHEET

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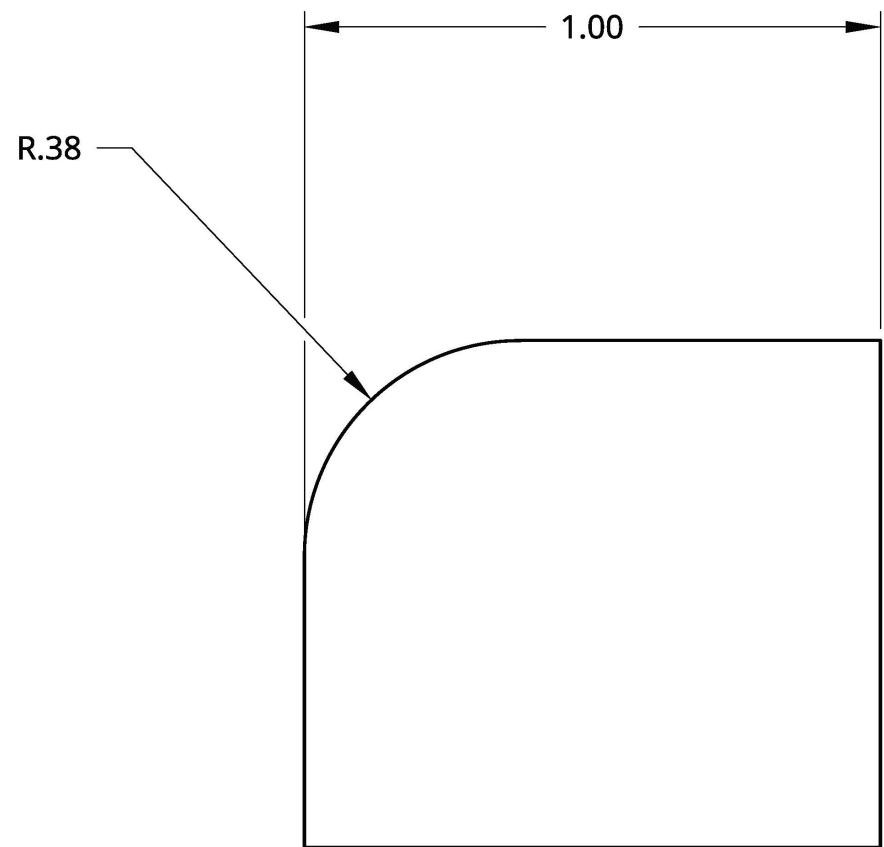
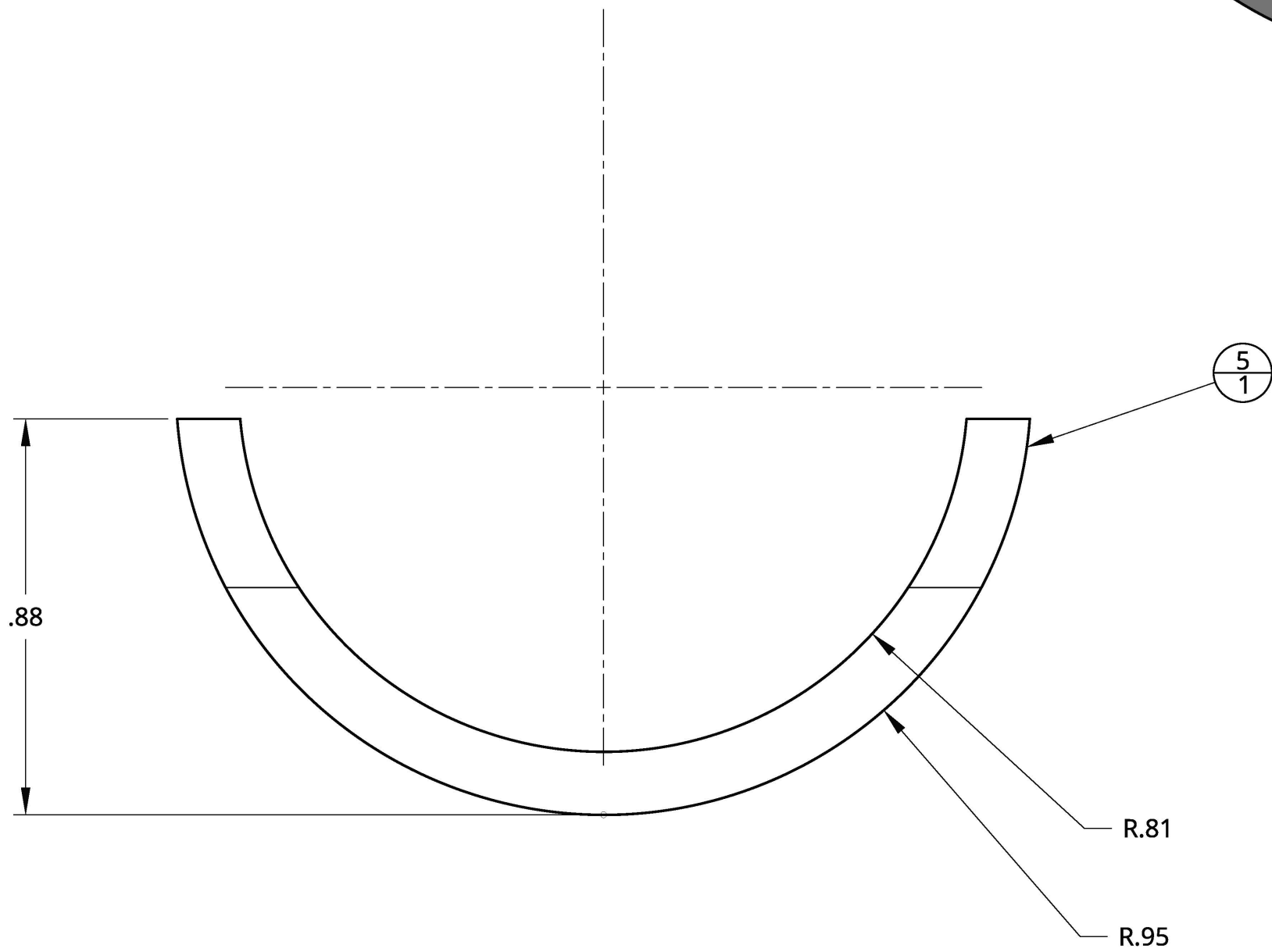
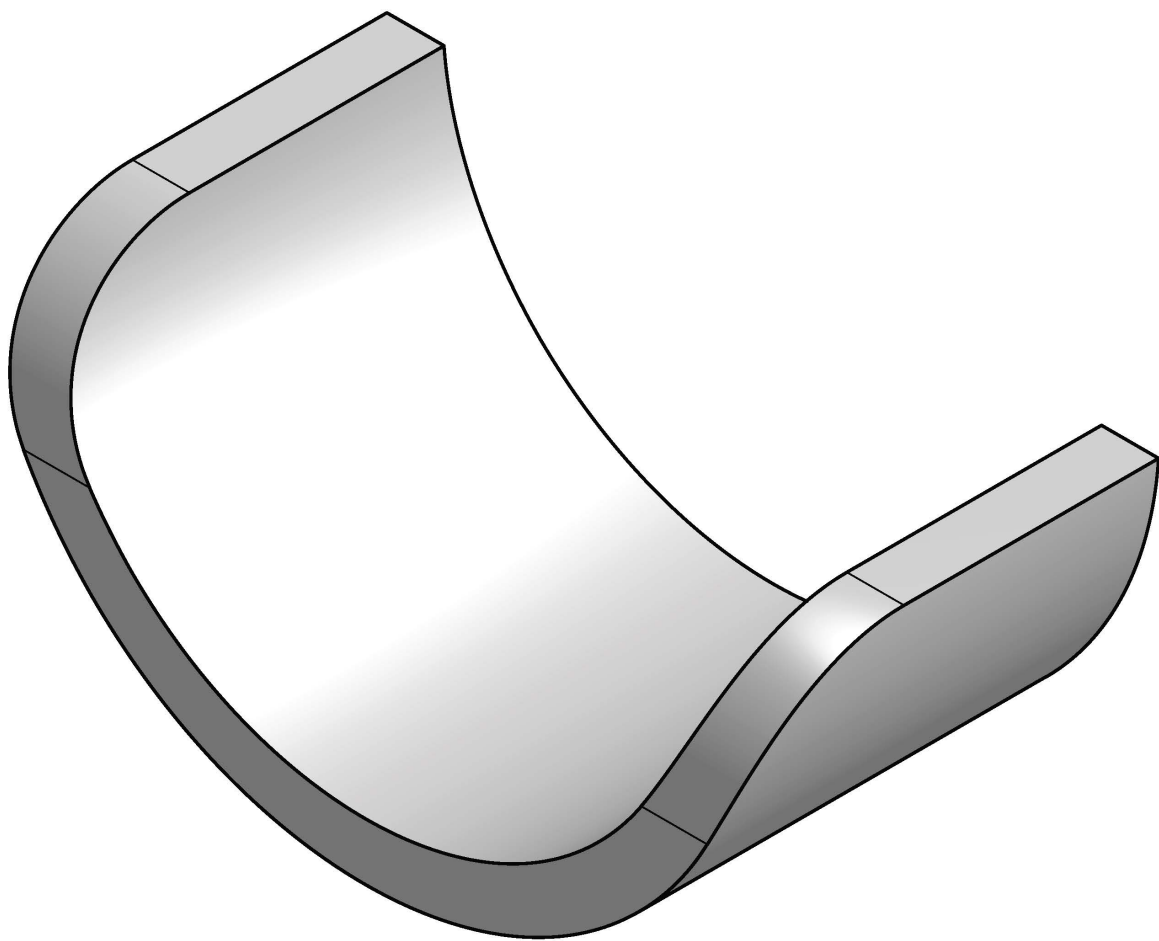
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01    ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE		
	DRAWN	JO	12/17/2025		
	MATERIAL			TITLE	
DO NOT SCALE DRAWING	1-1/2" SCHEDULE 40 ALUMINUM PIPE			1-1/2" SCHEDULE 40 ALUMINUM PIPE	
BREAK ALL SHARP EDGES AND REMOVE BURRS				SIZE C	DWG NO. FE-00006-05
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 3:1	REV. 6 of 8

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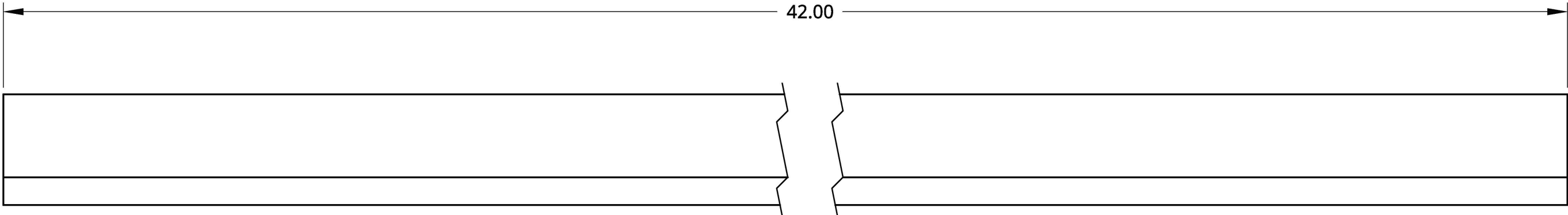
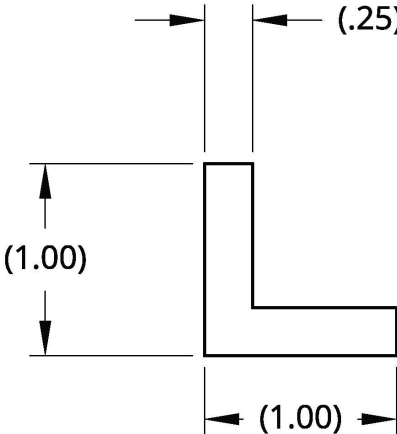
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01    ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE		
	DRAWN	JO	12/17/2025		
	MATERIAL			TITLE	
	1" X 1" X 1/4" 6061 ALUMINUM ANGLE			1" X 1" X 1/4" 6061 ALUMINUM ANGLE	
DO NOT SCALE DRAWING	1" X 1" X 1/4" 6061 ALUMINUM ANGLE			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	
				1:1	
				SHEET	7 of 8



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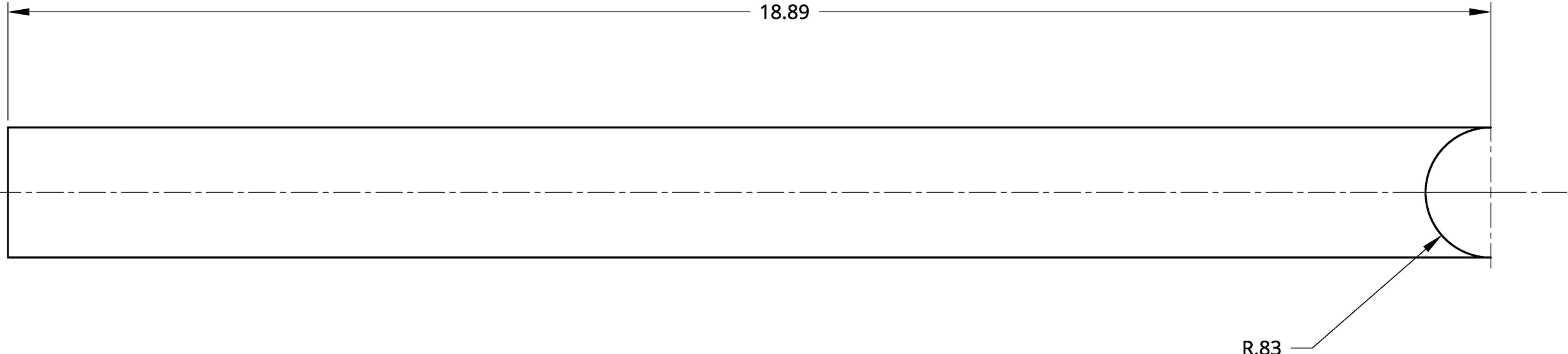
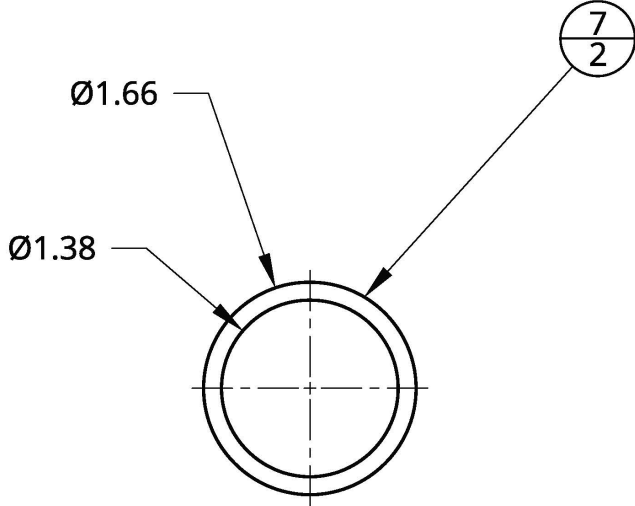
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES  .XX = ±.01    ANGULAR = ± 1° .XXX = ±.005  DO NOT SCALE DRAWING  BREAK ALL SHARP EDGES AND REMOVE BURRS  <b>PROPRIETARY AND CONFIDENTIAL</b> THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF <b>FIRST®</b> . ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF <b>FIRST®</b> IS PROHIBITED.	VEND	NAME	DATE			
	DRAWN	JO	12/17/2025			
MATERIAL  1-1/4" SCHEDULE 40 ALUMINUM PIPE				TITLE  1-1/4" SCHEDULE 40 ALUMINUM PIPE		
				SIZE <b>C</b>	DWG NO. <b>FE-00006-07</b>	REV.
				SCALE <b>2:3</b>		SHEET <b>8 of 8</b>

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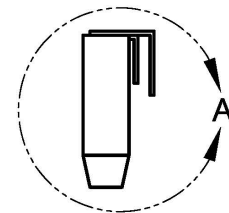
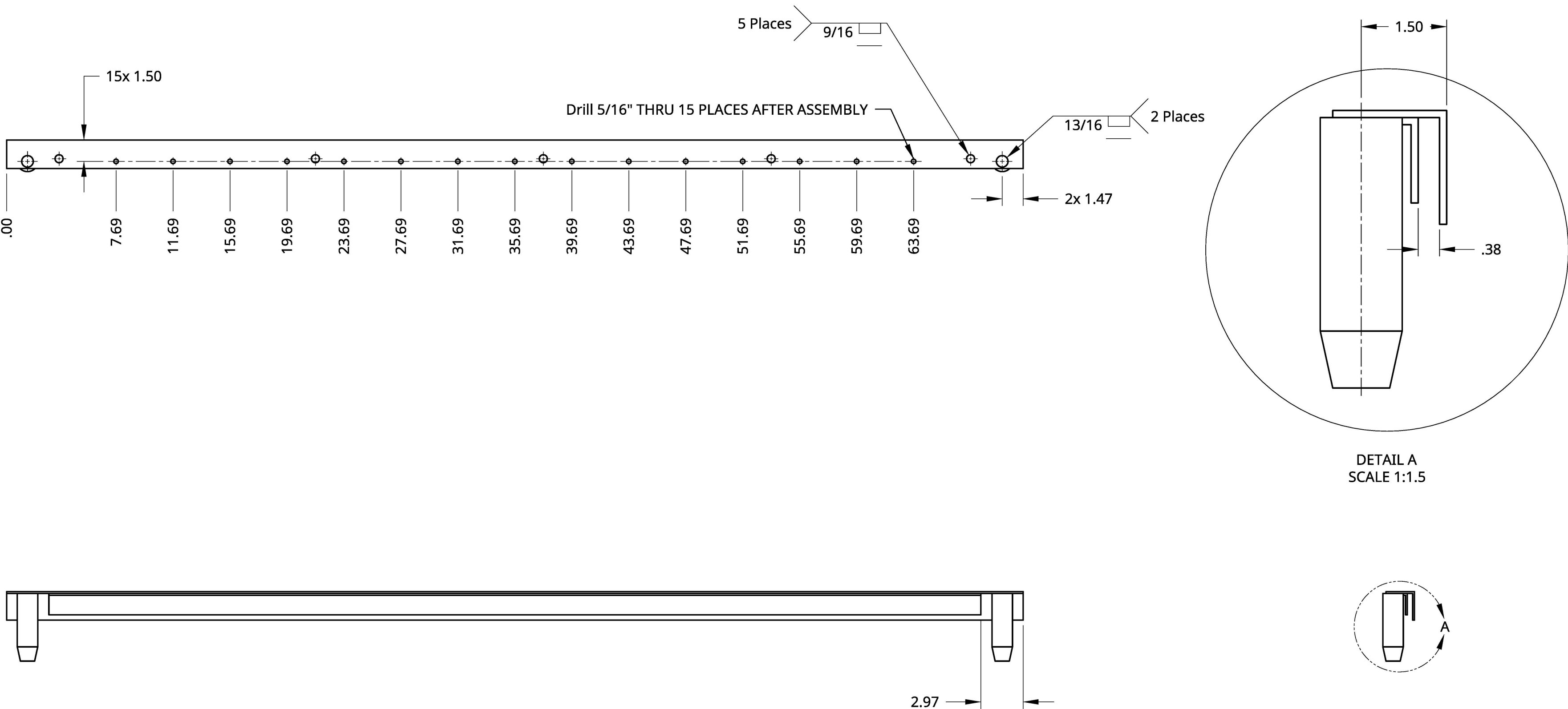
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Item	Quantity	Part number	Description
1	1	FE-00007-01	2" x 2" x 1/8" Square Corner 6063 Aluminum Angle
2	1	FE-00007-02	1-1/2" x 1-1/2" x 1/8" 6061 Aluminum Angle
3	2	FE-00007-03	1-7/16" 6061 Aluminum Round Stock

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01     ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE			
	DRAWN	JO	12/18/2025			
DO NOT SCALE DRAWING	MATERIAL			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				FIELD 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	FE-00007	
	SCALE	1:6	SHEET	1 of 4		

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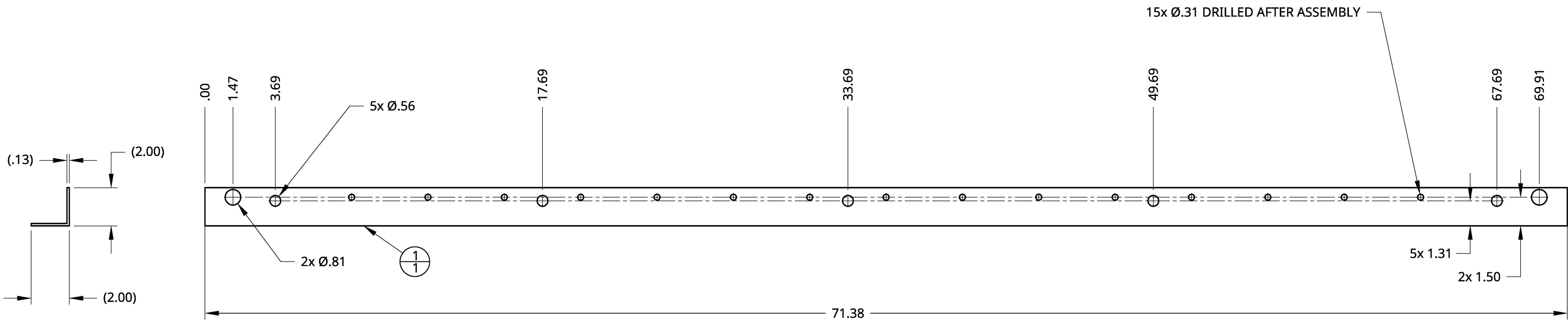
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01    ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE		
	DRAWN	JO	12/18/2025		
	MATERIAL			TITLE	
DO NOT SCALE DRAWING	2" X 2" X 1/8" SQUARE CORNER 6063 ALUMINUM ANGLE			2" X 2" X 1/8" SQUARE CORNER 6063 ALUMINUM ANGLE	
BREAK ALL SHARP EDGES AND REMOVE BURRS				SIZE C	DWG NO. FE-00007-01
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 1:4	REV. 2 of 4

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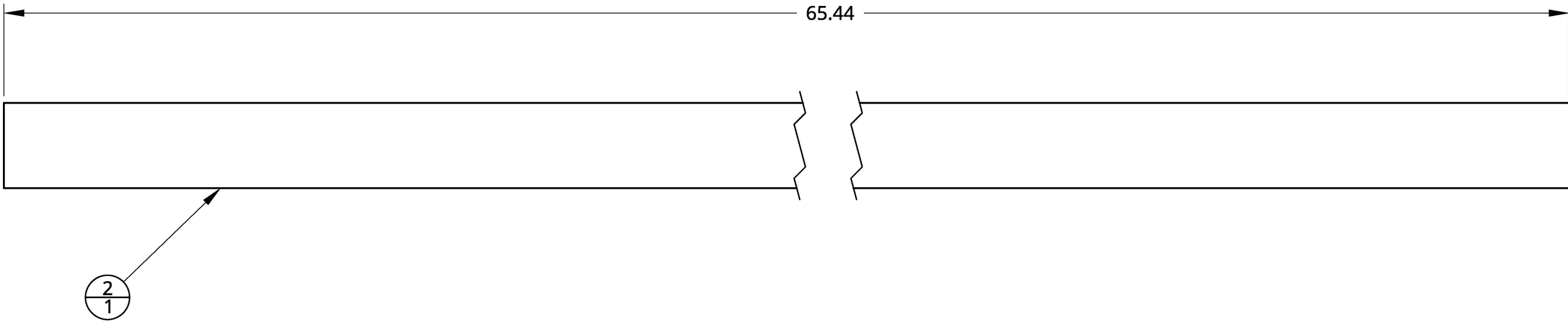
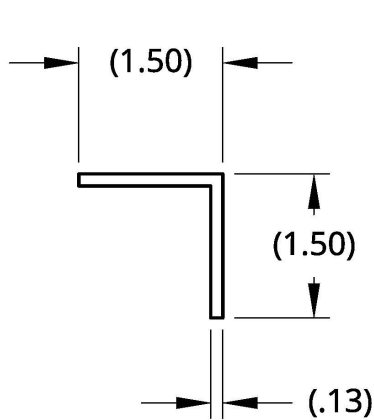
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01    ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE		
	DRAWN	JO	12/18/2025		
	MATERIAL			TITLE	
DO NOT SCALE DRAWING	1-1/2" X 1-1/2" X 1/8" 6061 ALUMINUM ANGLE			1-1/2" X 1-1/2" X 1/8" 6061 ALUMINUM ANGLE	
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.				SCALE 1:2	SHEET 3 of 4

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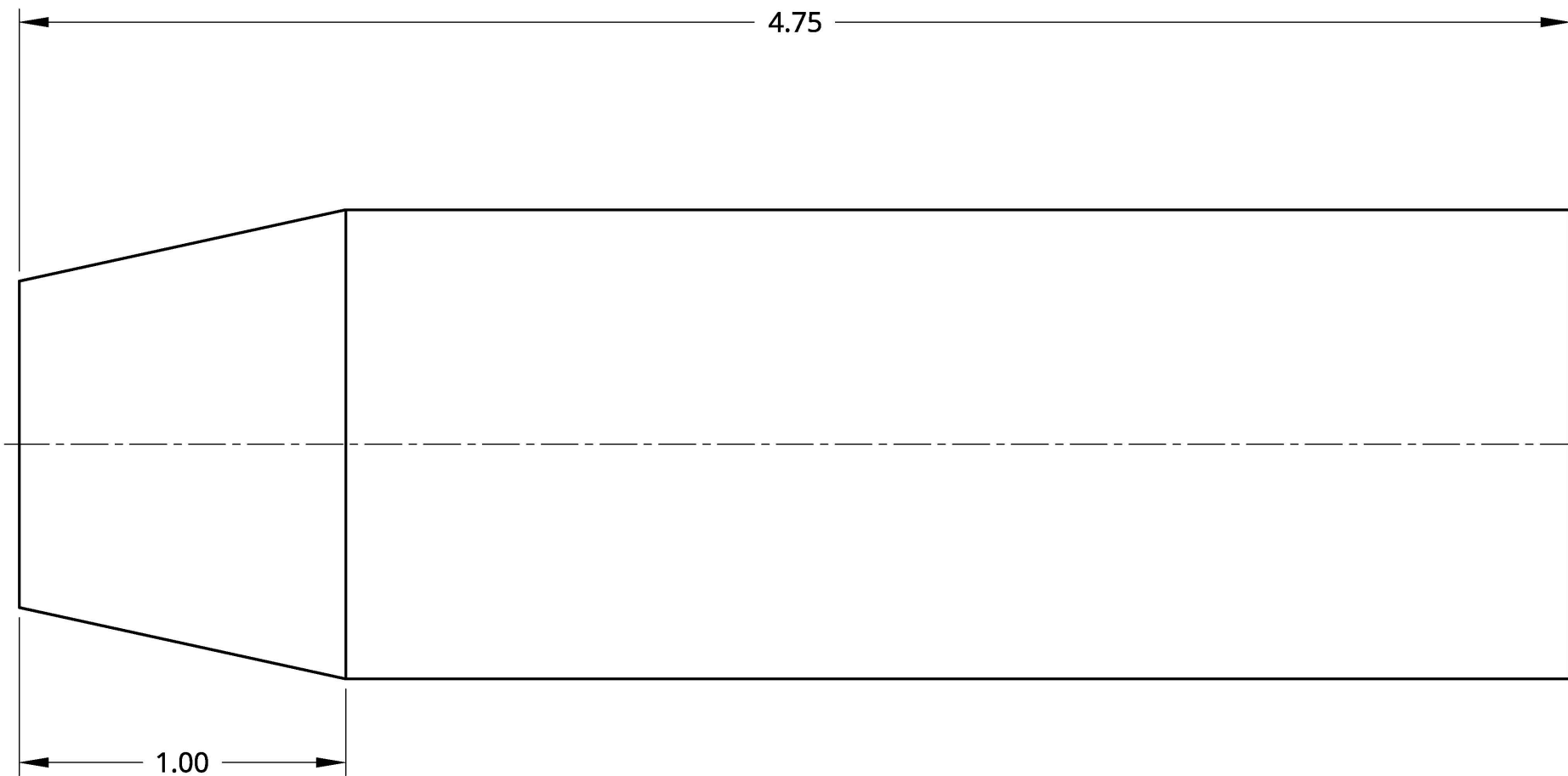
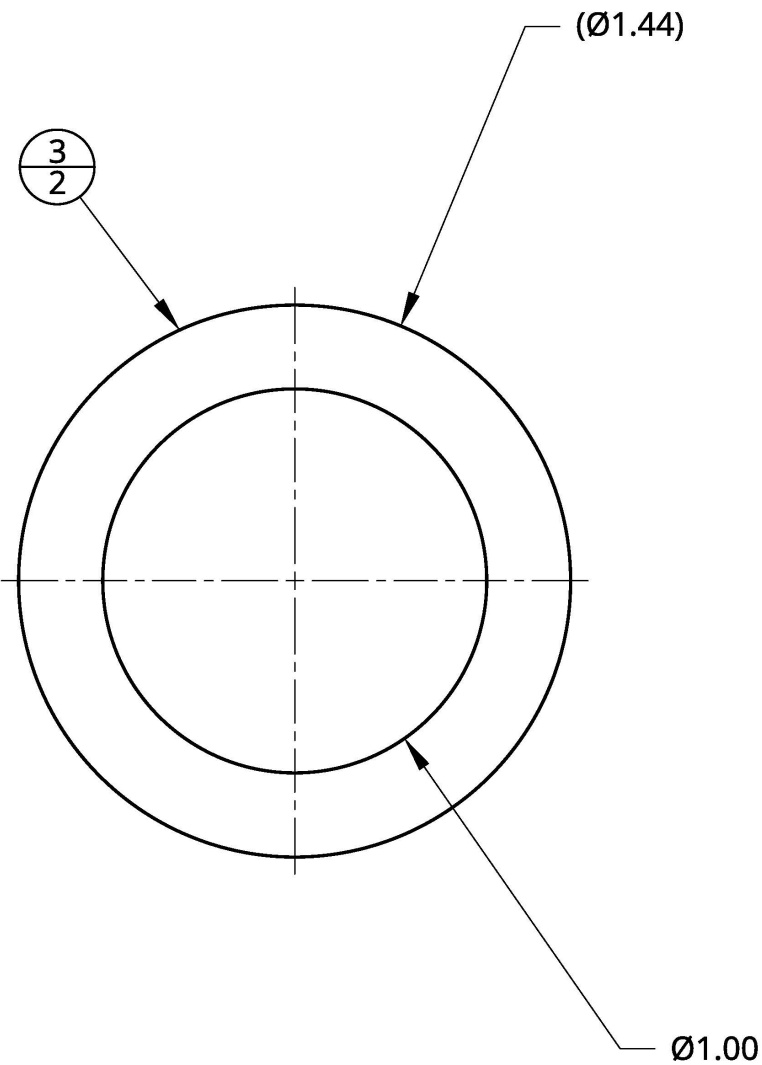
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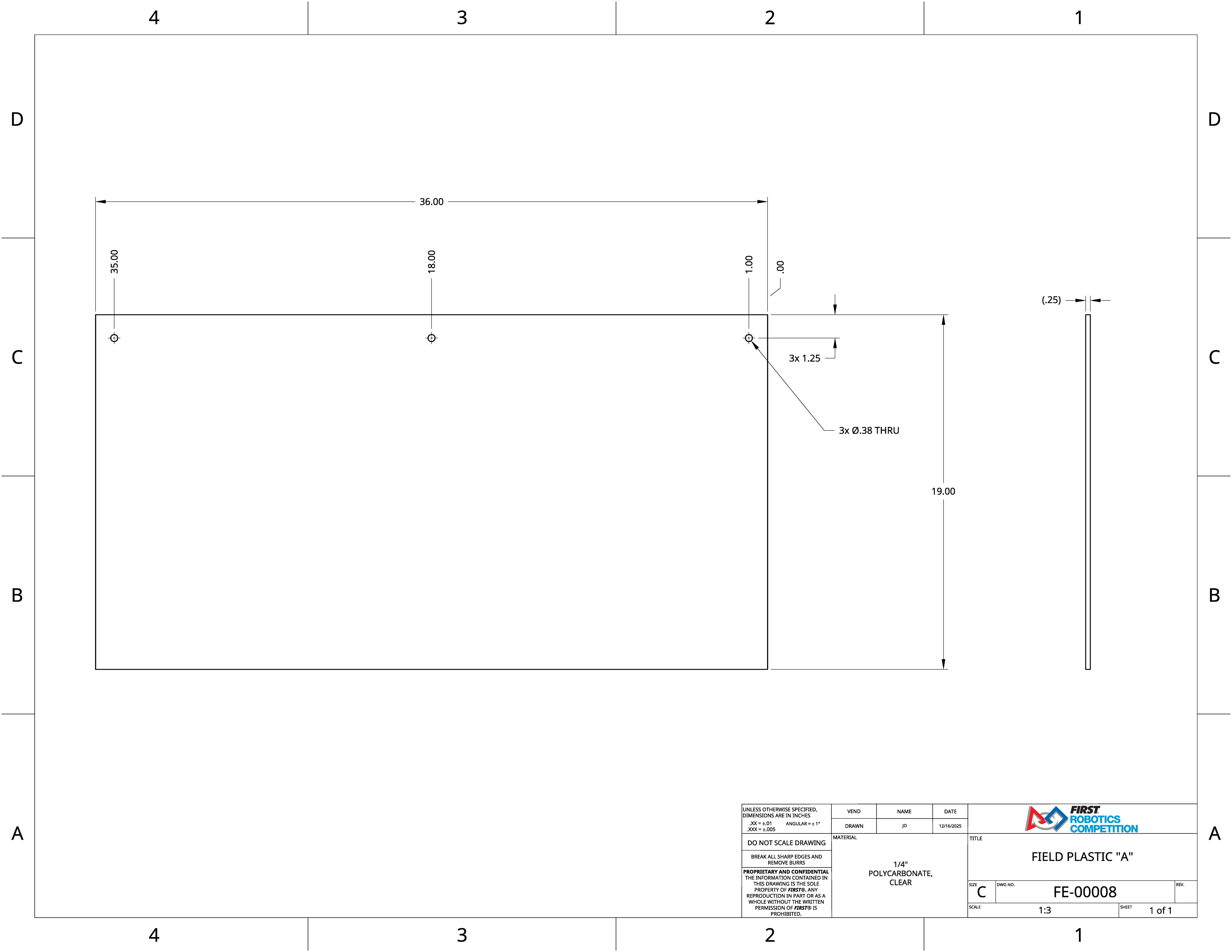
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES  .XX = ±.01    ANGULAR = ±1° .XXX = ±.005	VEND	NAME	DATE			
	DRAWN	JO	12/18/2025			
DO NOT SCALE DRAWING	MATERIAL  1-7/16" 6061 ALUMINUM ROUND STOCK			TITLE  1-7/16" 6061 ALUMINUM ROUND STOCK		
BREAK ALL SHARP EDGES AND REMOVE BURRS						
PROPRIETARY 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.  FE-00007-03	REV.  
				SCALE  2:1	SHEET  4 of 4	


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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01    ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE		
	DRAWN	JO	12/16/2025		
	MATERIAL			TITLE	
DO NOT SCALE DRAWING	1/4" POLYCARBONATE, CLEAR			FIELD PLASTIC "A"	
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. FE-00008	
SCALE 1:3		SHEET 1 of 1			

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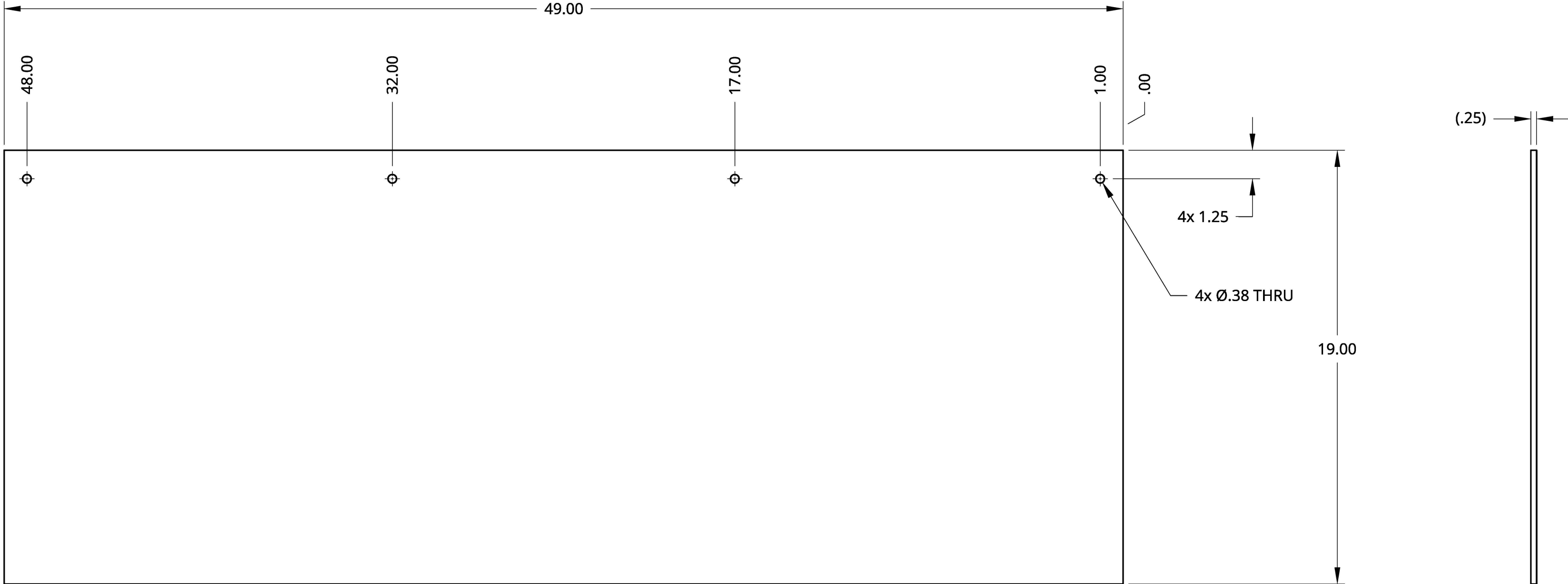
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES XX = ±.01    ANGULAR = ± 1° XXX = ±.005	VEND	NAME	DATE			
	DRAWN	JO	12/16/2025			
DO NOT SCALE DRAWING	MATERIAL  1/4" POLYCARBONATE, CLEAR			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				FIELD PLASTIC "B"		
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. FE-00009	REV.
				SCALE 1:4		SHEET 1 of 1

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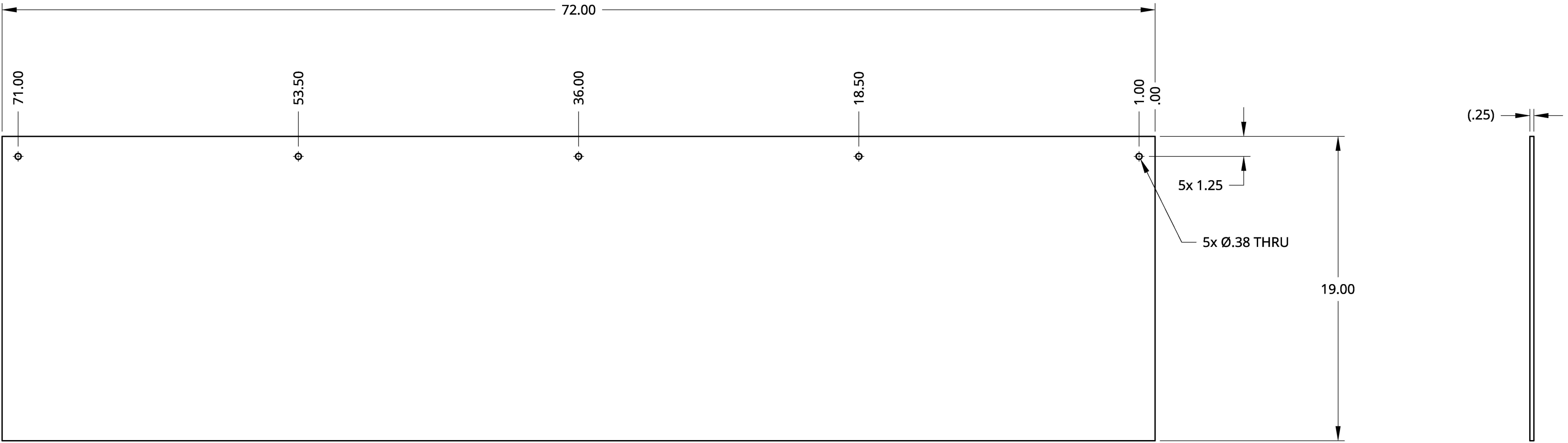
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES XX = ±.01    ANGULAR = ± 1° XXX = ±.005	VEND	NAME	DATE			
	DRAWN	JO	12/16/2025			
DO NOT SCALE DRAWING	MATERIAL  1/4" POLYCARBONATE, CLEAR			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				FIELD PLASTIC "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.				SIZE	DWG NO.	REV.
				C	FE-00010	
	SCALE	1:5	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	JO	12/16/2025		
	MATERIAL			TITLE	
DO NOT SCALE DRAWING	3/8" ACRYLIC CLEAR			DRIVER STATION ACRYLIC	
BREAK ALL SHARP EDGES AND REMOVE BURRS				SIZE C	DWG NO. FE-00012
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	REV. 1 of 1

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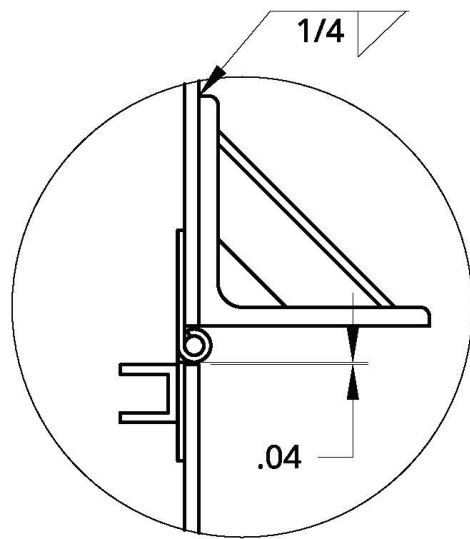
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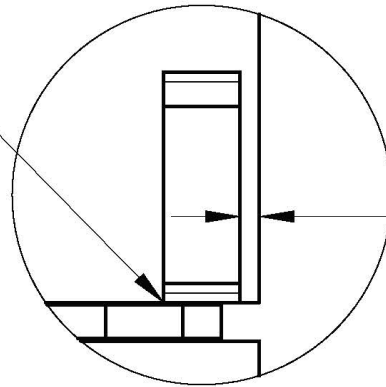
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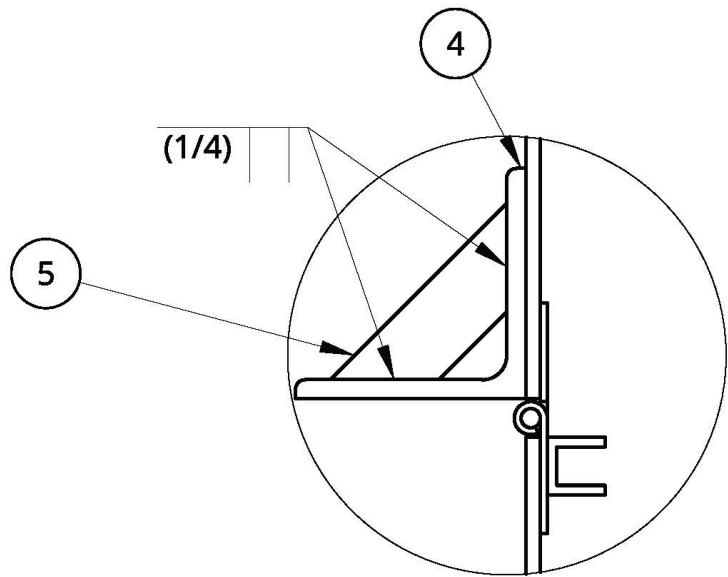


DETAIL A  
SCALE 2:5

4 Times



DETAIL B  
SCALE 2:5



DETAIL C  
SCALE 2:5

1/4 1-6

4 places 1/4 3/4

1/4 1-6

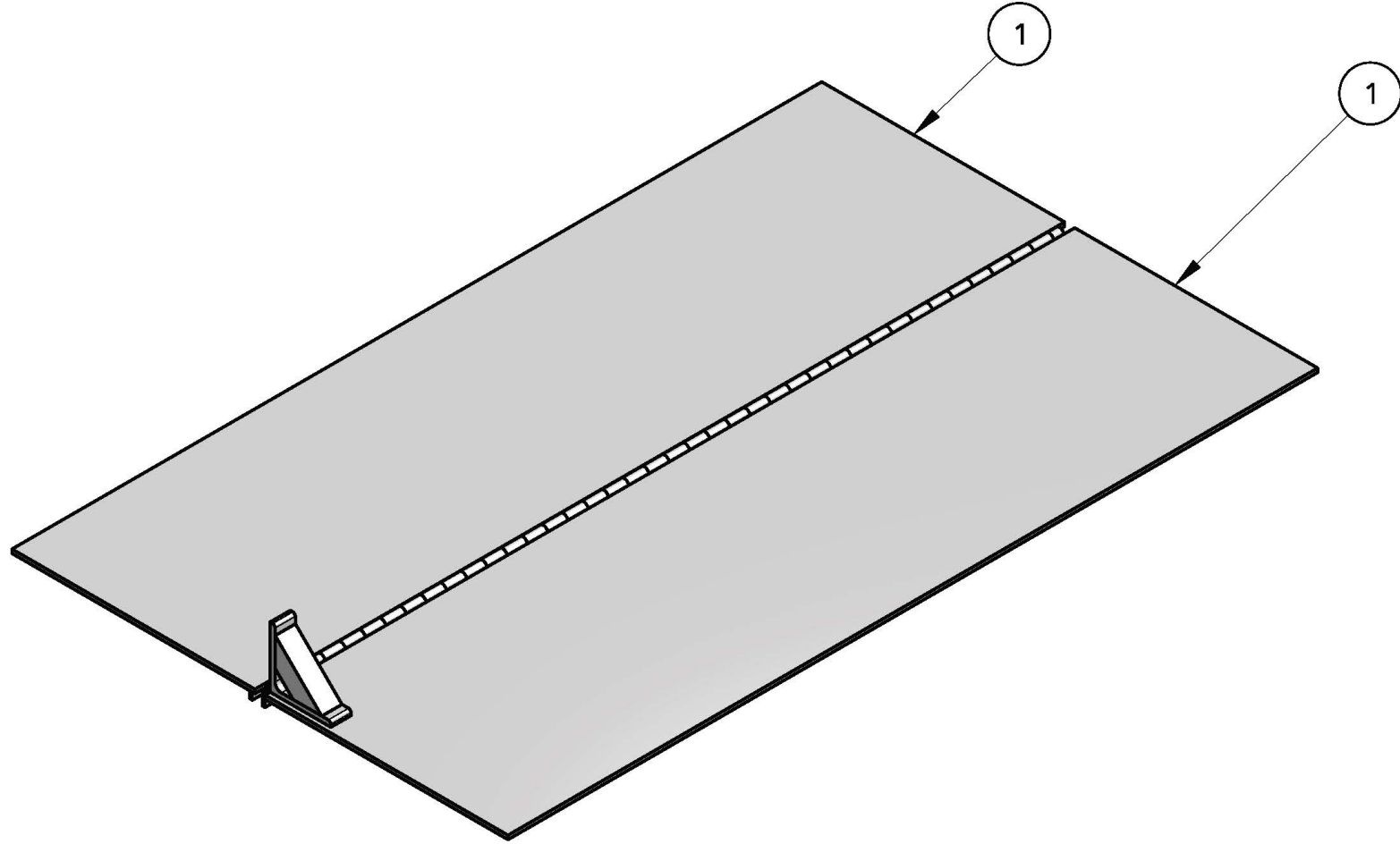
2 3/16

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1/4 1-12

1/4 3/4-12

welds should be centered on fingers of hinge



Item	Quantity	Part number	Description
1	2	FE-00014-01	3/16" 3003 Aluminum Diamond Plate
2	1	FE-00014-02	Hinge, Aluminum 3" x .09", 1/4" Pin
3	1	FE-00014-03	3/4" x 3/4" x 1/8" 6061-T6 Aluminum 'U' Channel
4	1	FE-00014-04	3" x 3" x 1/4" 6061-T6 Aluminum Angle
5	1	FE-00014-05	1" x 1" x 1/8" 6061-T6 Aluminum Angle

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.

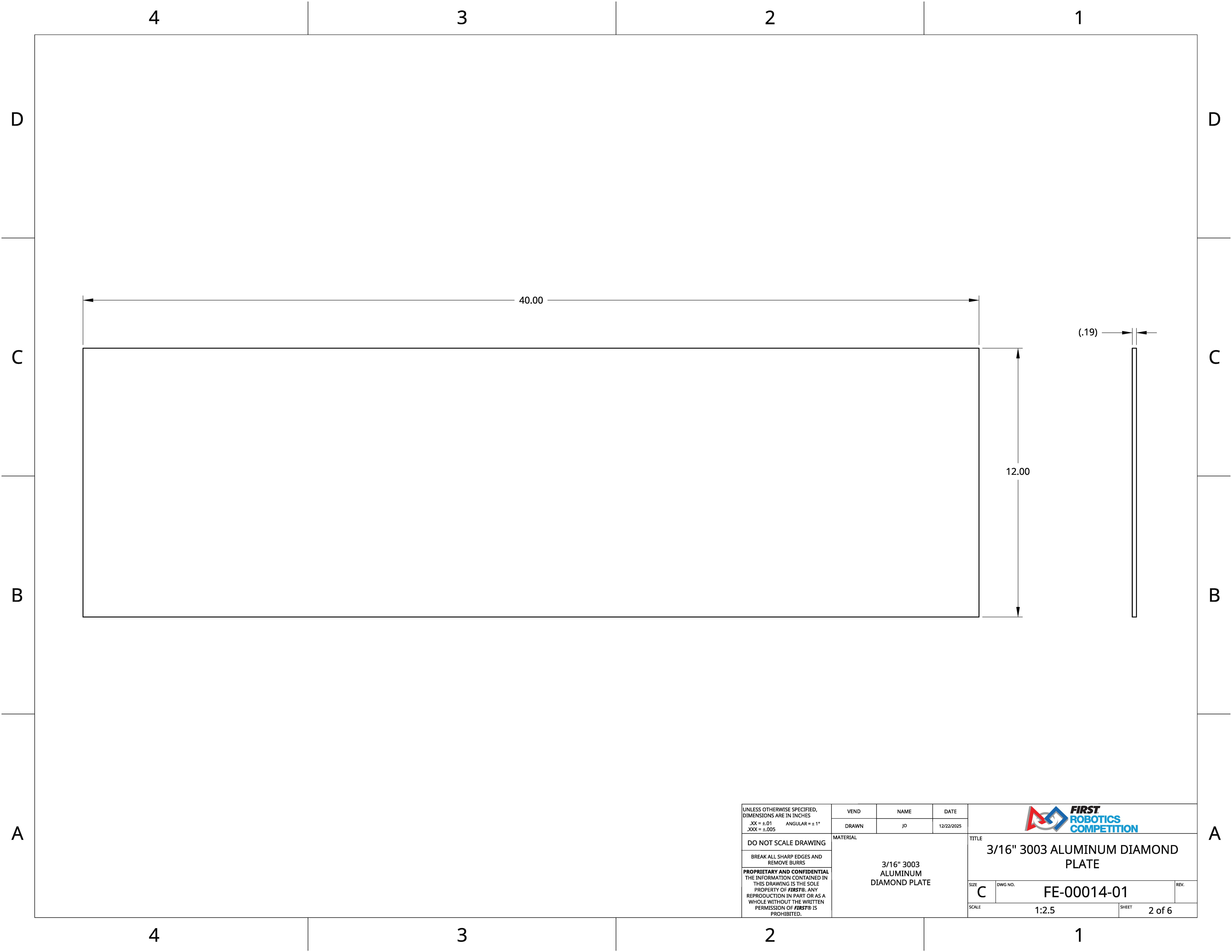
VEND NAME DATE  
DRAWN JO 12/22/2025


MATERIAL



FIELD ENTRY RAMP

SIZE C DWG NO. FE-00014 REV.  
SCALE 1:6 SHEET 1 of 6



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01    ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE		
	DRAWN	JO	12/22/2025		
	MATERIAL			TITLE	
DO NOT SCALE DRAWING	3/16" 3003 ALUMINUM DIAMOND PLATE			3/16" 3003 ALUMINUM DIAMOND PLATE	
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. FE-00014-01	SHEET 2 of 6

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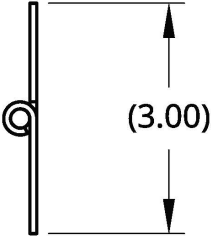
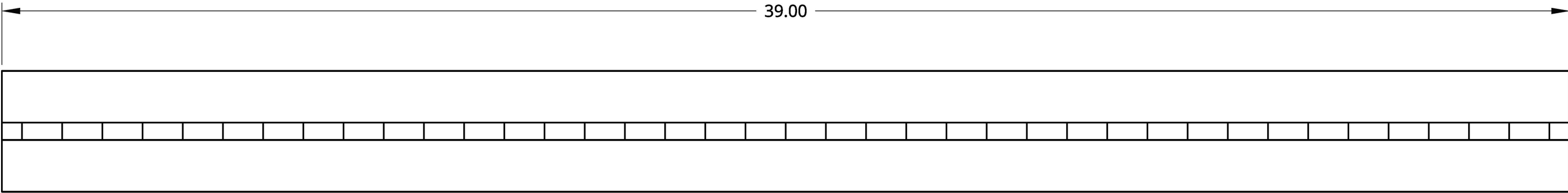
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01    ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE			
	DRAWN	JO	12/22/2025			
DO NOT SCALE DRAWING	MATERIAL  HINGE, ALUMINUM 3" X .09", 1/4" PIN			TITLE HINGE, ALUMINUM 3" X .09", 1/4" PIN		
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. FE-00014-02	REV.
				SCALE 1:2.5	SHEET 3 of 6	

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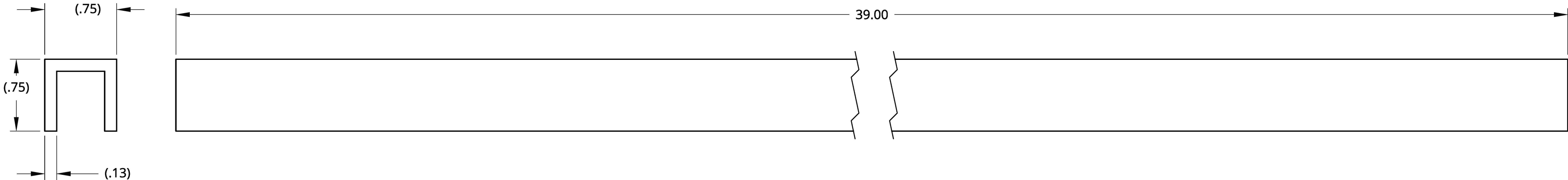
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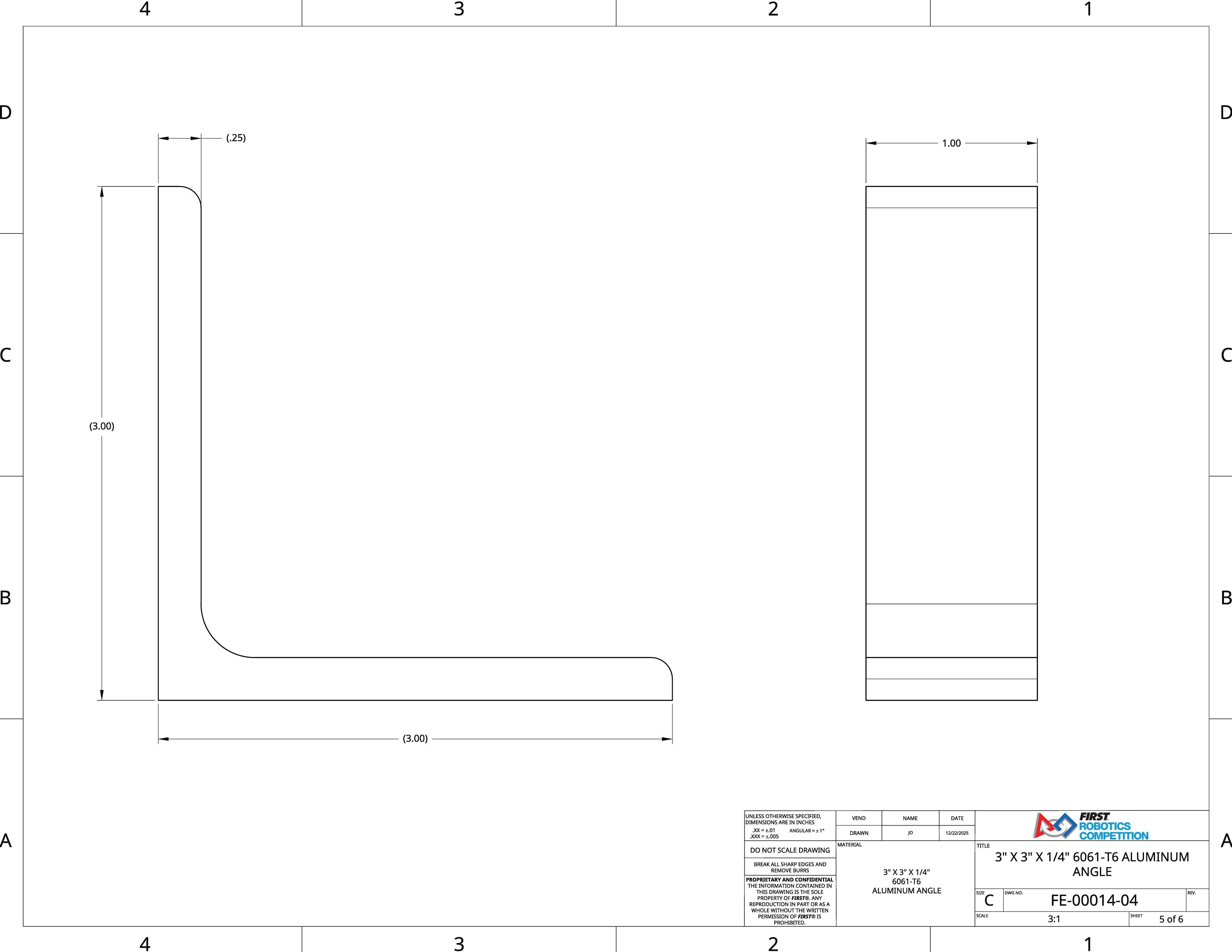
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES  .XX = ±.01    ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE			
	DRAWN	JO	12/22/2025			
DO NOT SCALE DRAWING	MATERIAL  3/4" X 3/4" X 1/8" 6061-T6 ALUMINUM 'U' CHANNEL			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				3/4" X 3/4" X 1/8" 6061-T6 ALUMINUM 'U' CHANNEL		
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	FE-00014-03	
				SCALE	1.25:1	SHEET



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01    ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE		
	DRAWN	JO	12/22/2025		
	MATERIAL			TITLE	
DO NOT SCALE DRAWING	3" X 3" X 1/4" 6061-T6 ALUMINUM ANGLE			3" X 3" X 1/4" 6061-T6 ALUMINUM ANGLE	
BREAK ALL SHARP EDGES AND REMOVE BURRS				SIZE C	DWG NO. FE-00014-04
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 3:1	REV. 5 of 6

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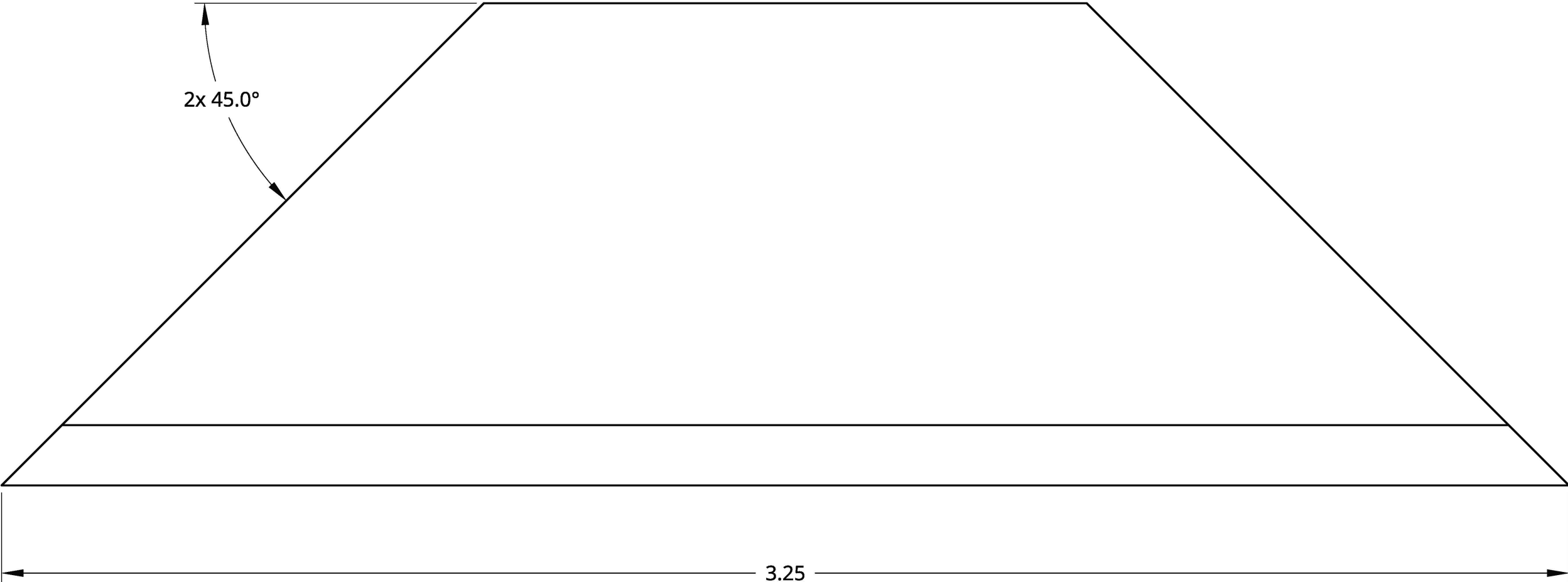
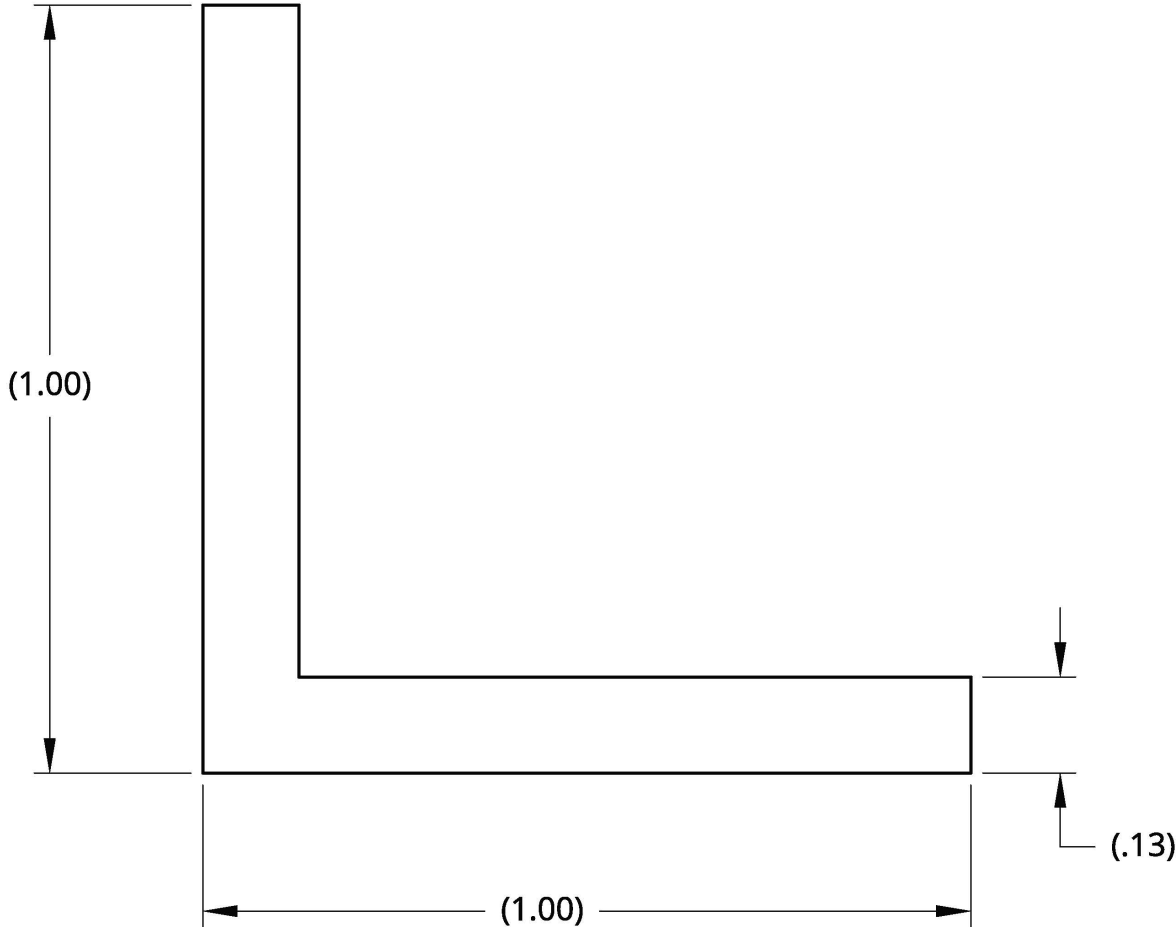
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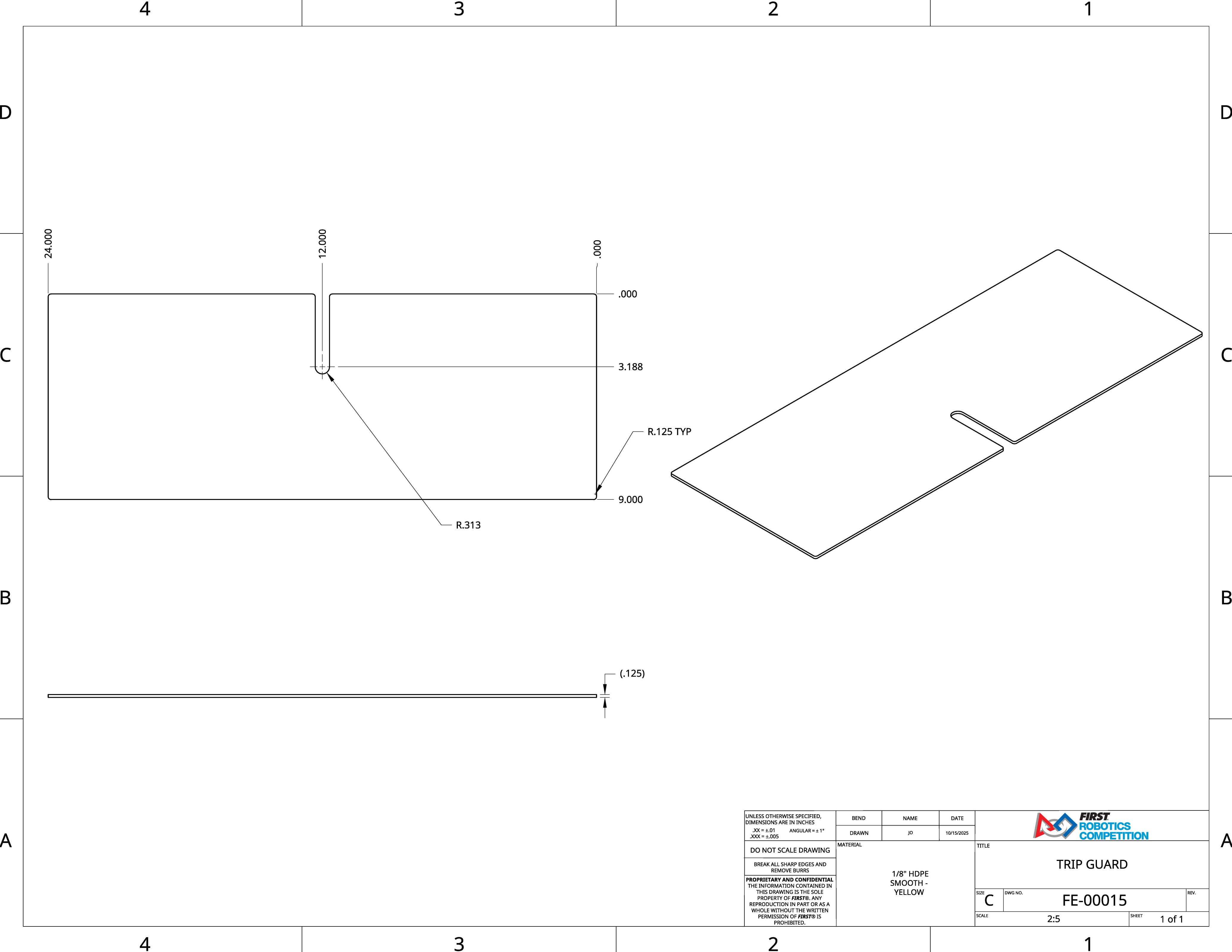
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES  .XX = ±.01    ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE			
	DRAWN	JO	12/22/2025			
DO NOT SCALE DRAWING	MATERIAL  1" X 1" X 1/8" 6061-T6 ALUMINUM ANGLE			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				1" X 1" X 1/8" 6061-T6 ALUMINUM ANGLE		
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	FE-00014-05	
				SCALE	4:1	SHEET





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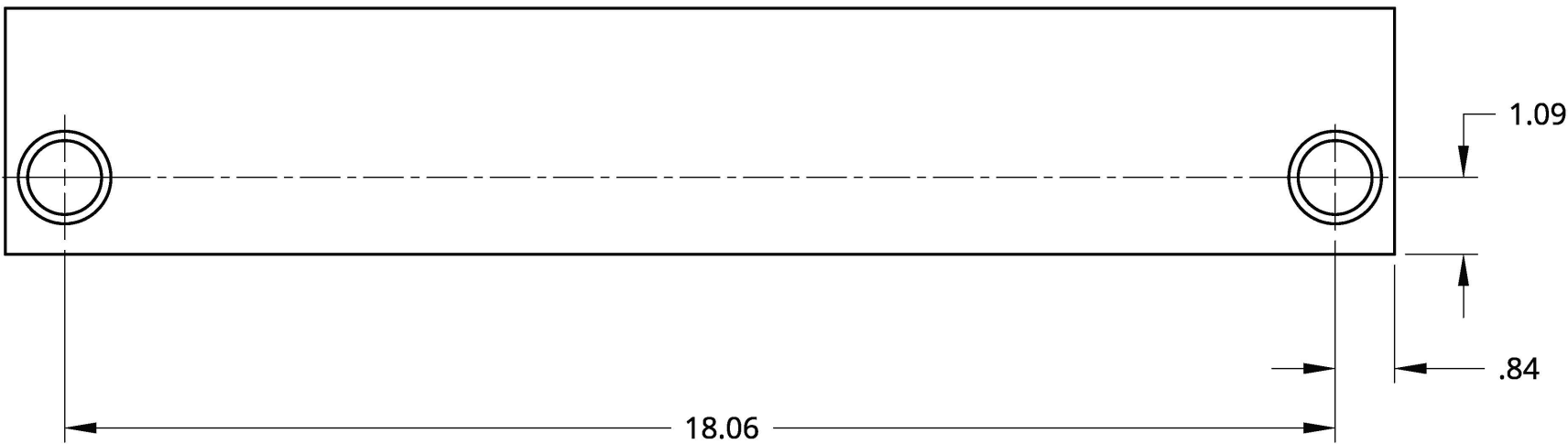
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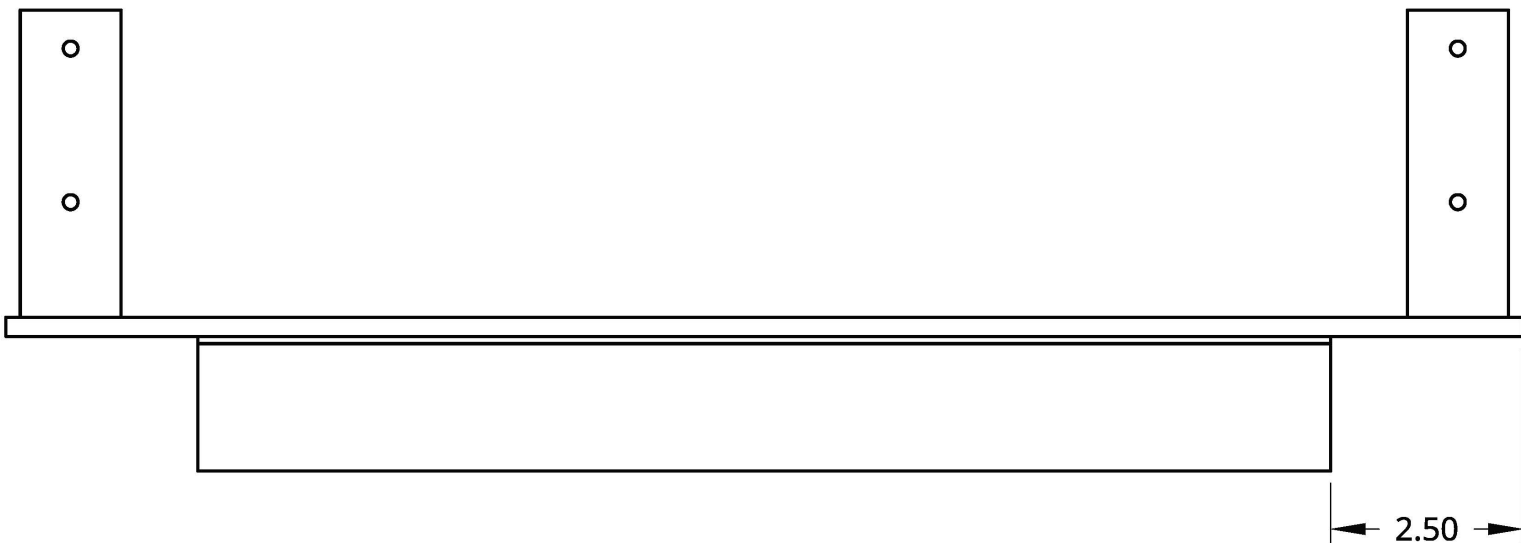
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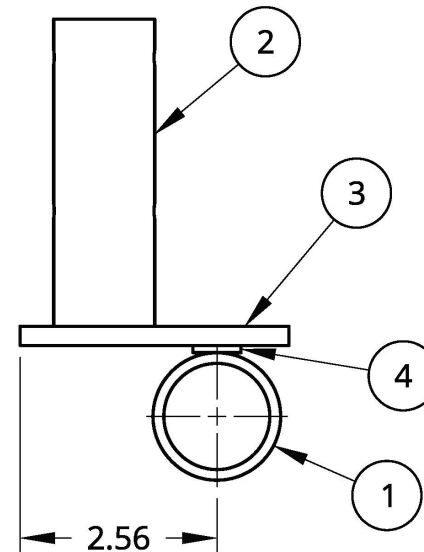
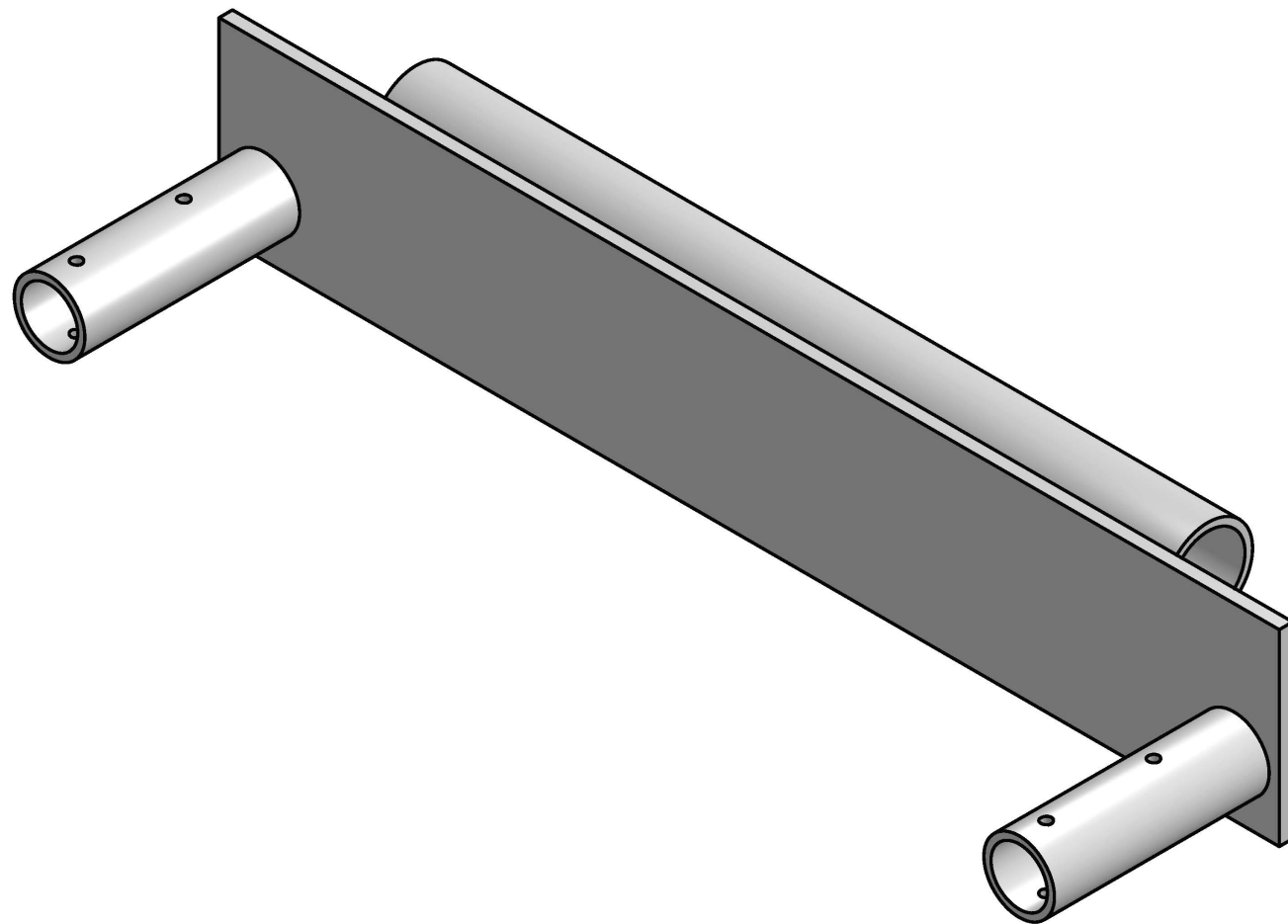
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Item	Quantity	Part number	Description
1	1	FE-00018-01	1-1/4" Schedule 40 6061 Aluminum Pipe
2	2	FE-00018-02	1" Schedule 40 6061 Aluminum Pipe
3	1	FE-00018-03	1/4" 6061 Aluminum Bar
4	1	FE-00018-04	3/32" 6061 Aluminum Bar

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	12/16/2025		
	MATERIAL			TITLE	
				CORNER CONNECTOR	
SIZE		DWG NO.		REV.	
C		FE-00018			
SCALE		1:2.5		SHEET	
				1 of 5	

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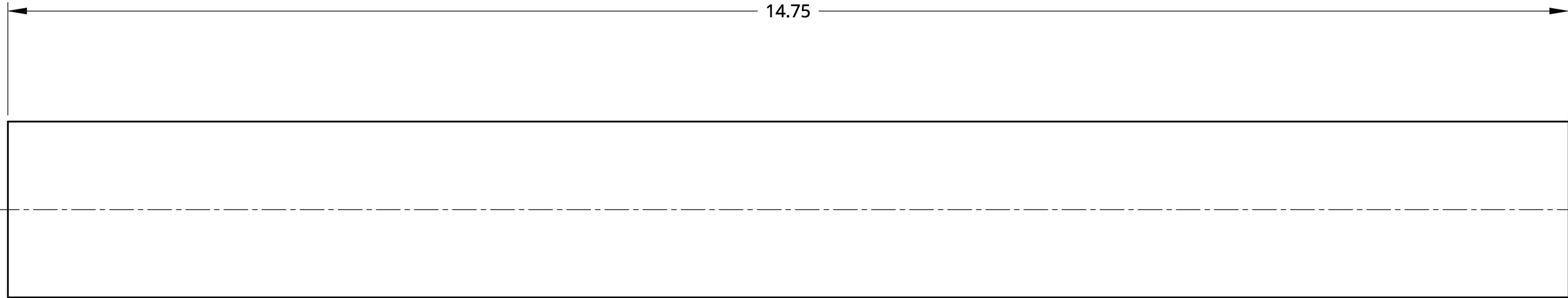
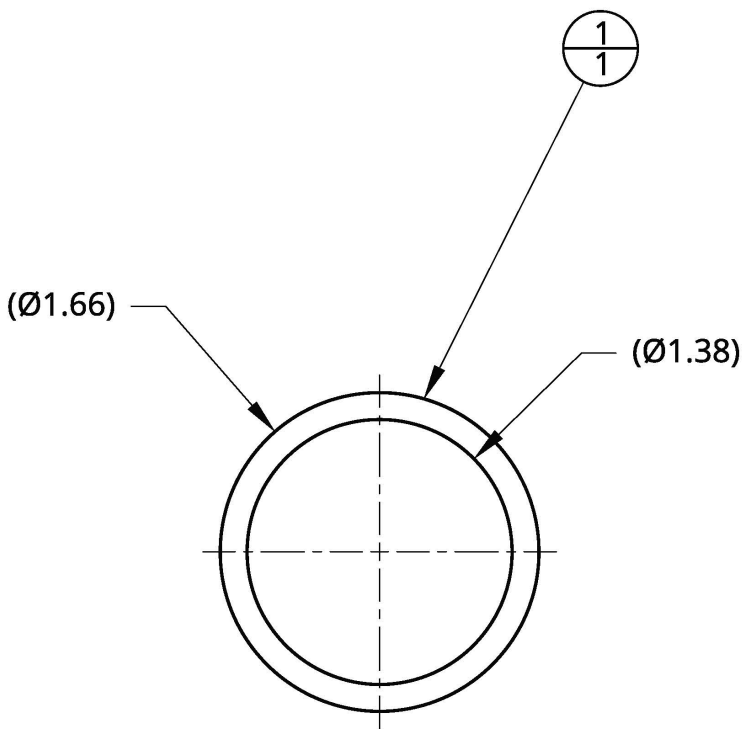
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES  .XX = ±.01    ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE			
	DRAWN	JO	12/16/2025			
DO NOT SCALE DRAWING	MATERIAL  1-1/4" SCHEDULE 40 6061 ALUMINUM PIPE			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				1-1/4" SCHEDULE 40 6061 ALUMINUM PIPE		
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	FE-00018-01	
	SCALE 1:1		SHEET 2 of 5			

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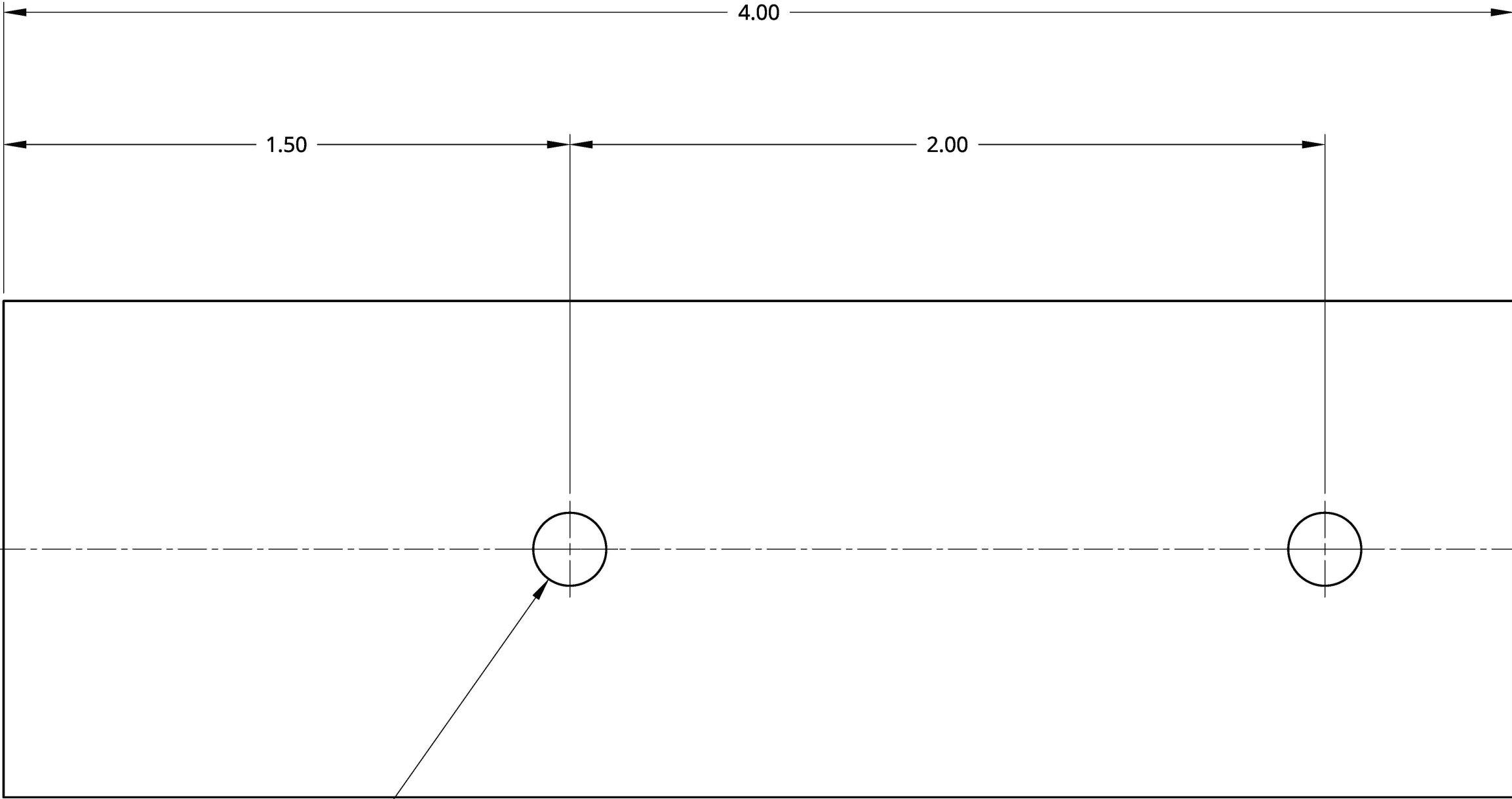
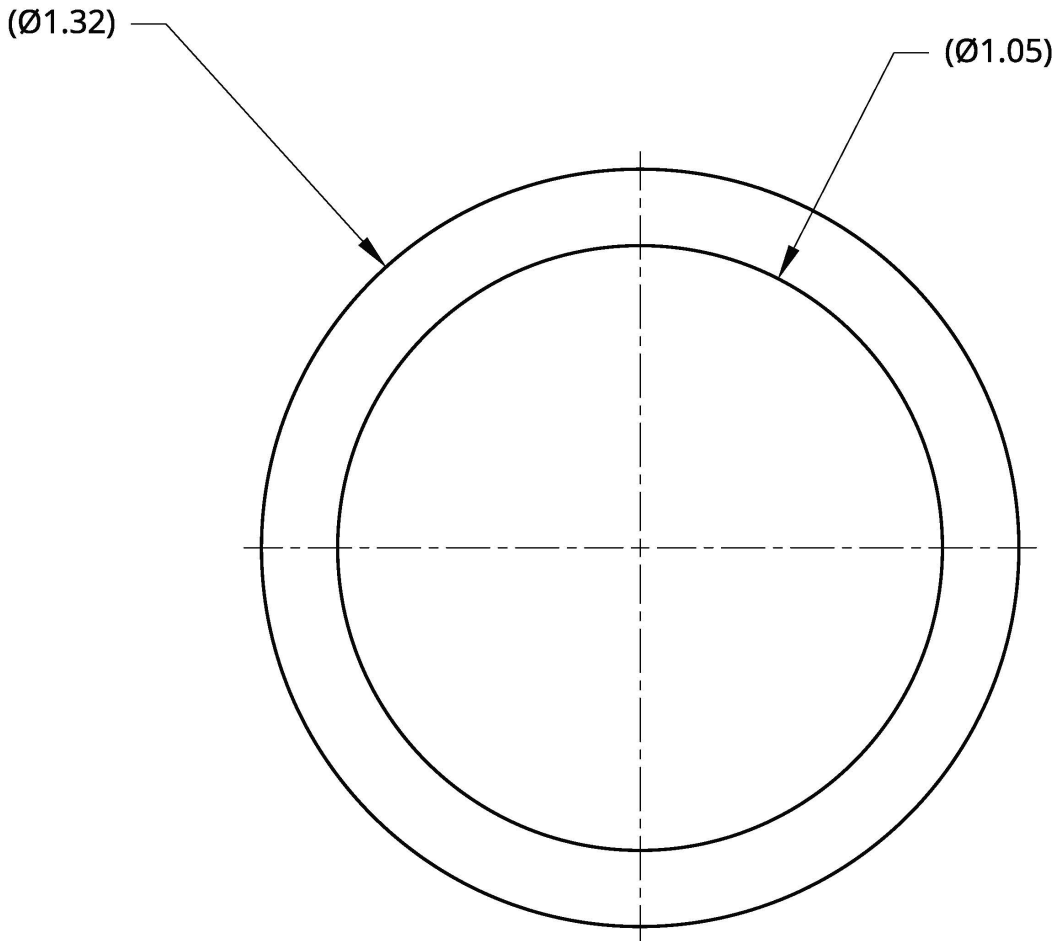
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2X Ø.194 THRU  
#10 Drill

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01    ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE		
	DRAWN	JO	12/16/2025		
	MATERIAL			TITLE	
	1" SCHEDULE 40 6061 ALUMINUM PIPE			1" SCHEDULE 40 6061 ALUMINUM PIPE	
DO NOT SCALE DRAWING	1" SCHEDULE 40 6061 ALUMINUM PIPE			SIZE C	DWG NO. FE-00018-02
BREAK ALL SHARP EDGES AND REMOVE BURRS				SCALE 3:1	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.				SHEET 3 of 5	

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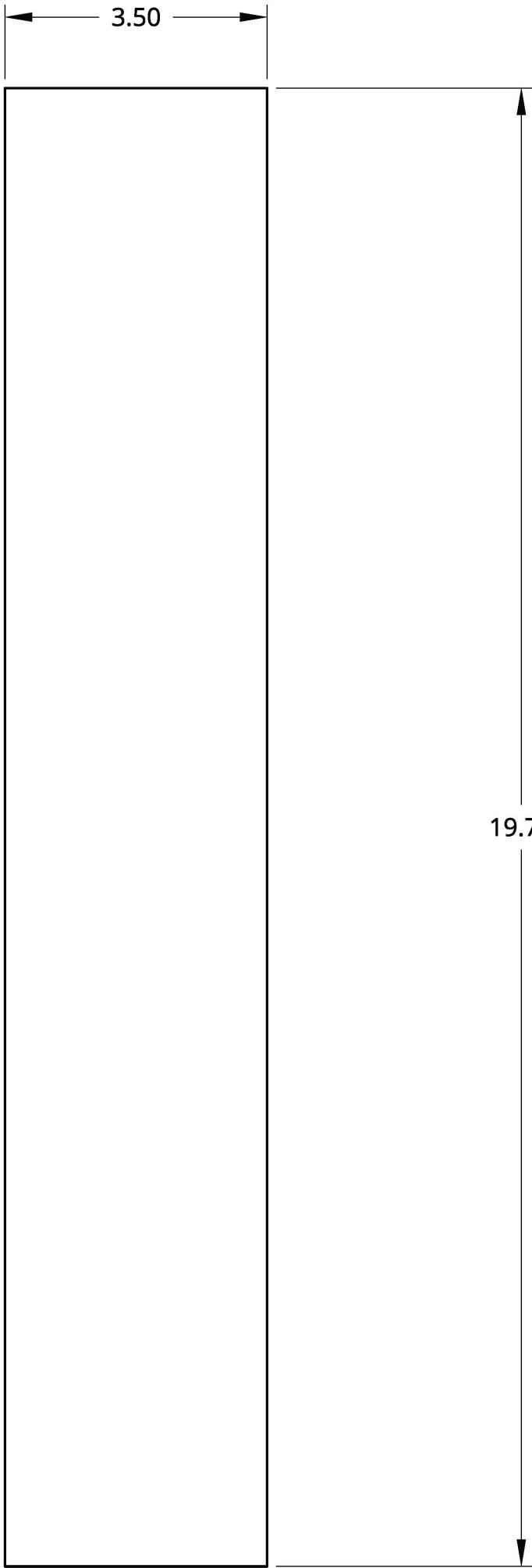
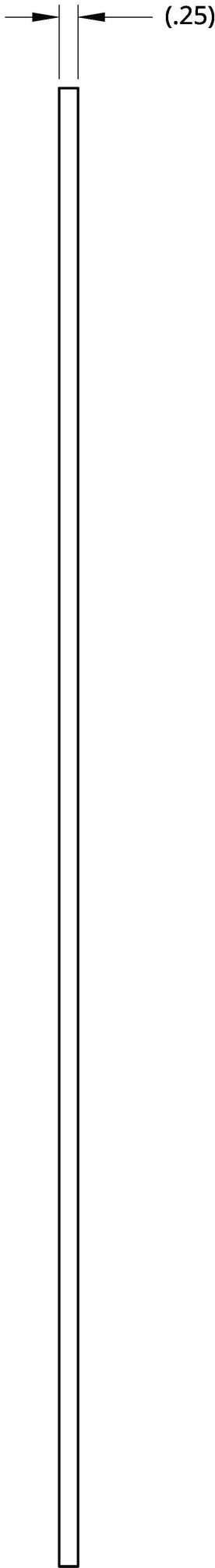
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES XX = ±.01    ANGULAR = ± 1° XXX = ±.005	VEND	NAME	DATE			
	DRAWN	JO	12/16/2025			
DO NOT SCALE DRAWING	MATERIAL  1/4" 6061 ALUMINUM BAR			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				1/4" 6061 ALUMINUM BAR		
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				FE-00018-03		
SCALE				1:2	SHEET	4 of 5

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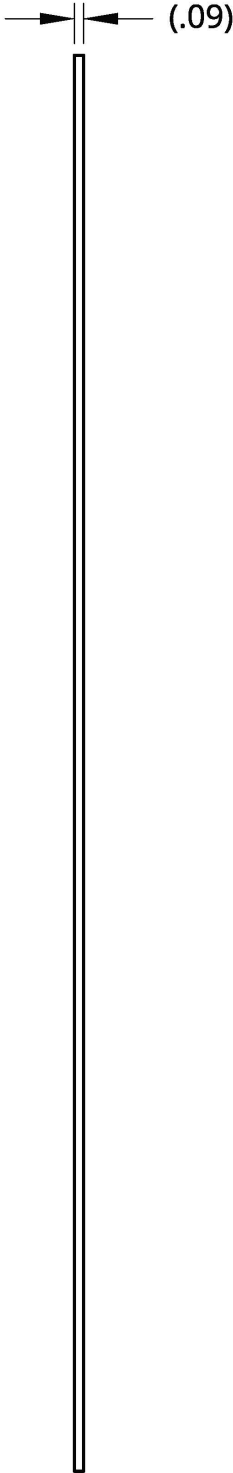
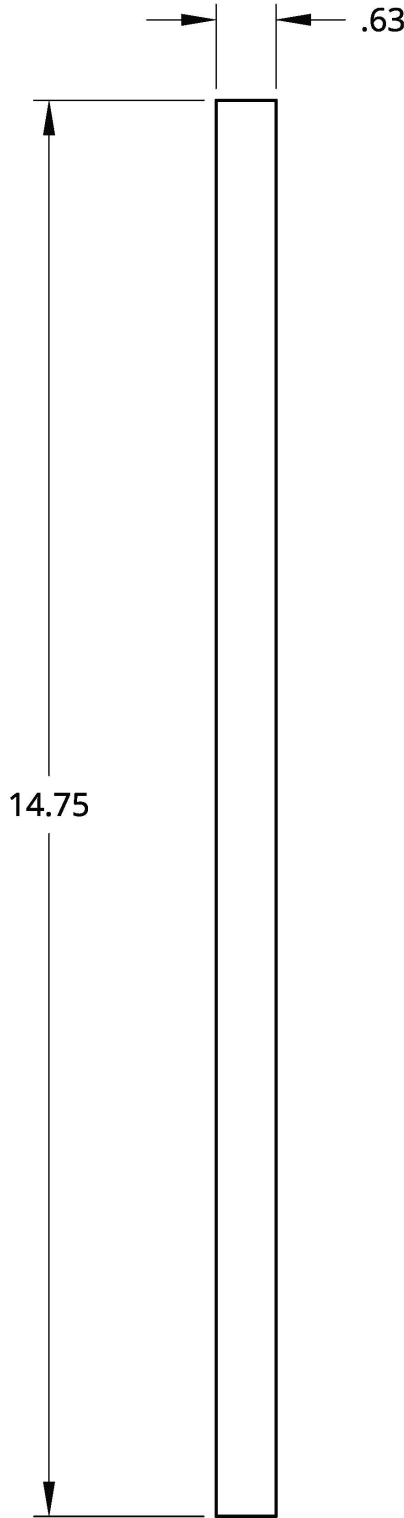
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES _XX = ±.01    ANGULAR = ± 1° _XXX = ±.005	VEND	NAME	DATE			
	DRAWN	JO	12/16/2025			
DO NOT SCALE DRAWING	MATERIAL  3/32" 6061 ALUMINUM BAR			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				3/32" 6061 ALUMINUM BAR		
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	FE-00018-04	
	SCALE 1:2		SHEET 5 of 5			

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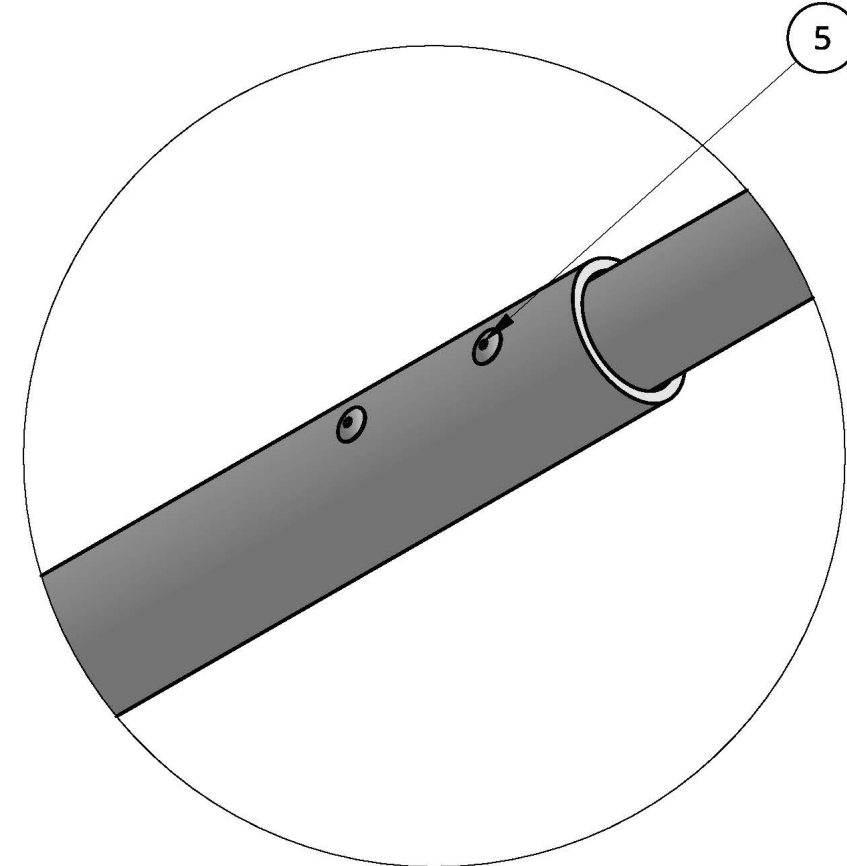
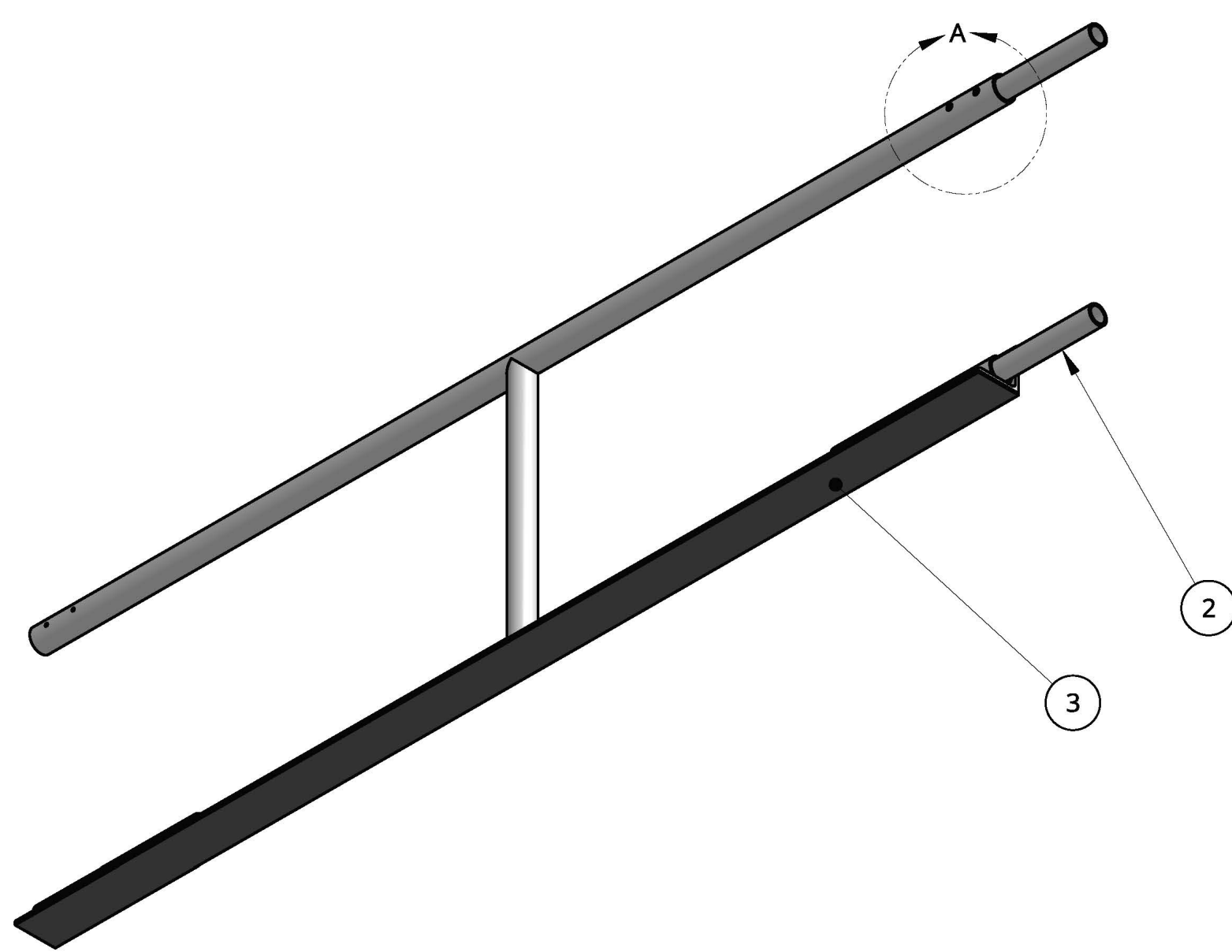
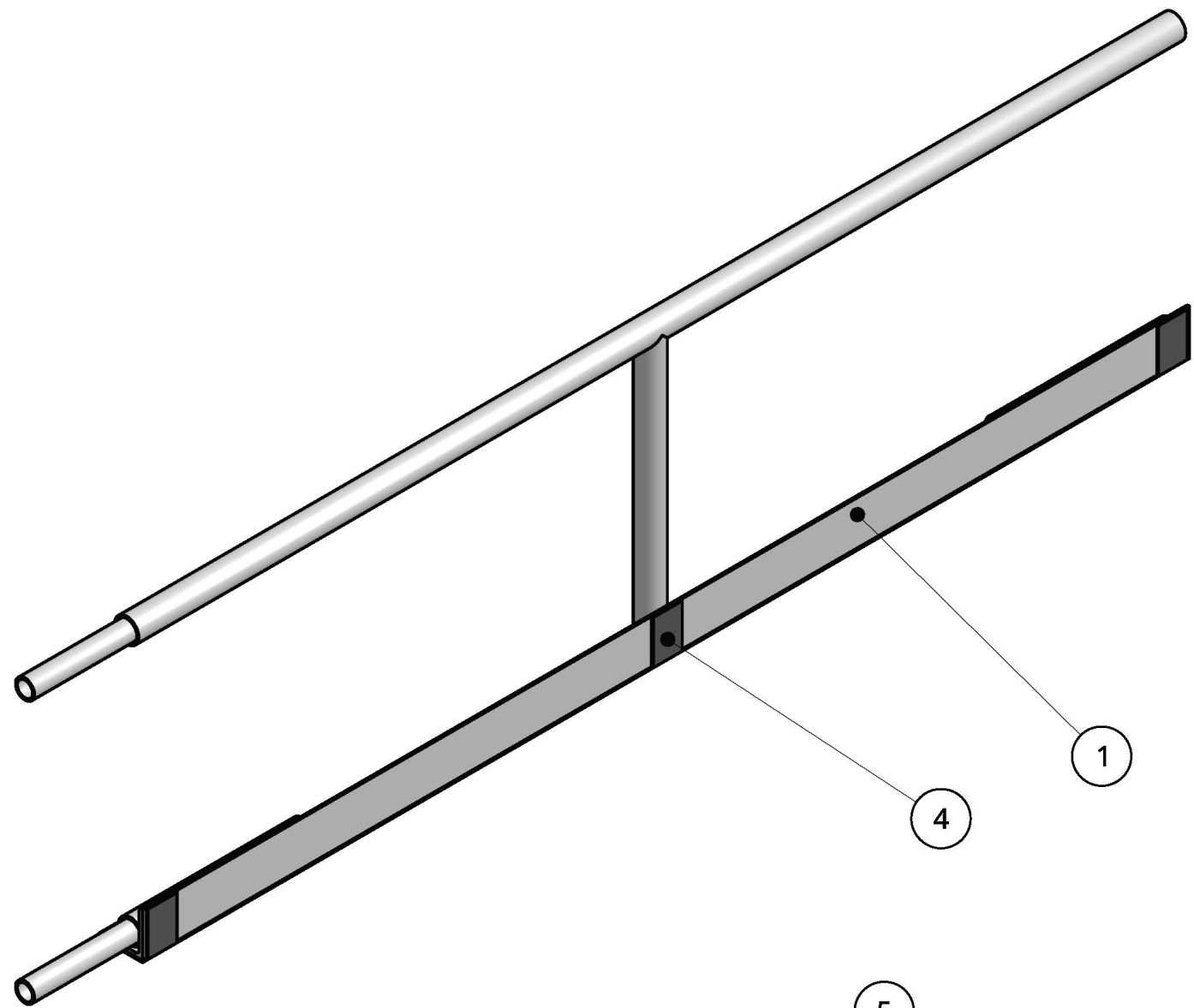
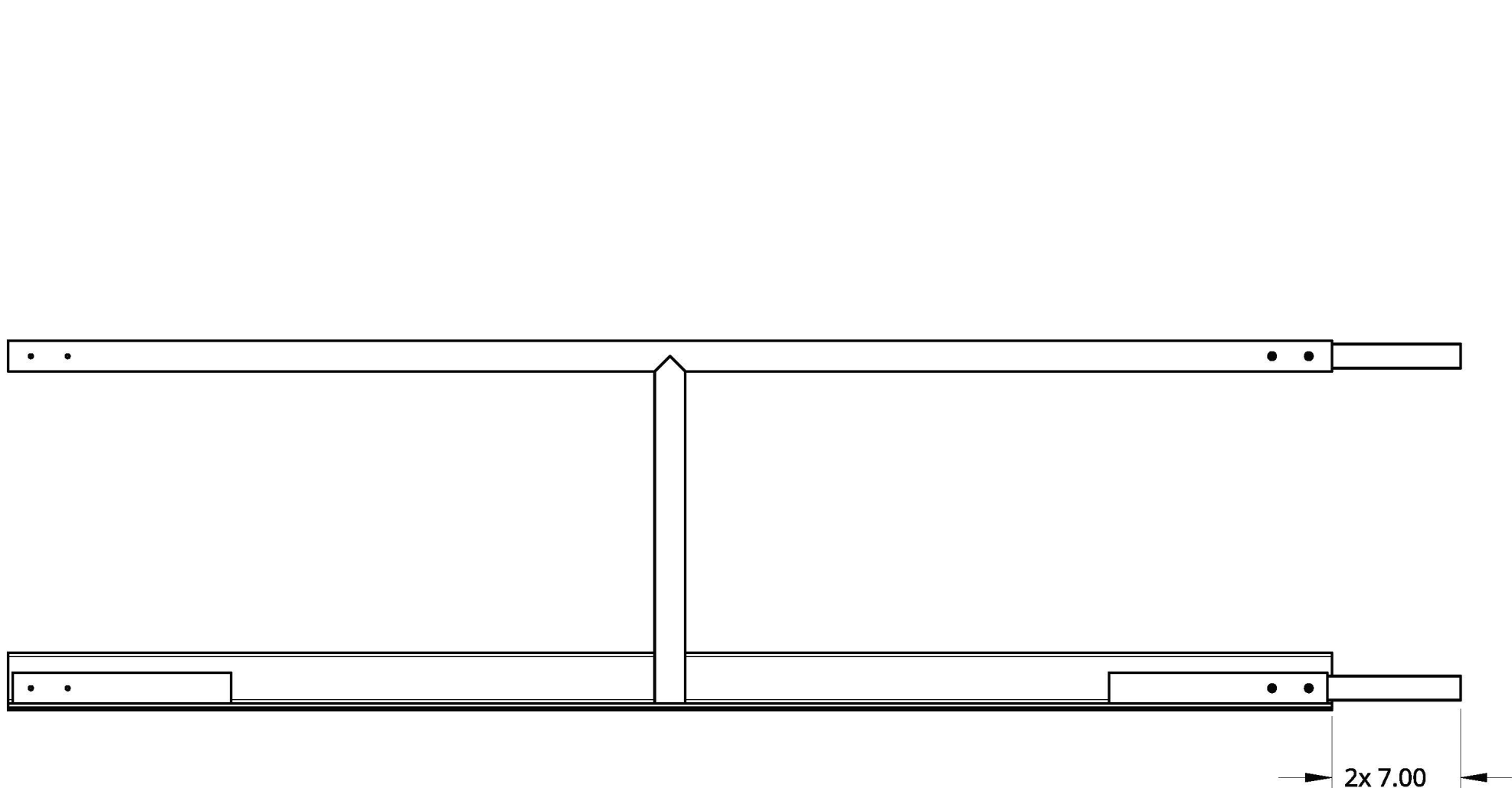
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DETAIL A  
SCALE 1:2

Item	Quantity	Part number	Description
1	1	FE-00005	Field Rail Weldment
2	2	FE-00026	Connector Pin
3	1		Hook Tape, 3in Wide, 72in Long
4	3		Loop Tape, 2in Wide, 3in Long
5	4		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

BREAK ALL SHARP EDGES AND  
REMOVE BURRS

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

VEND	NAME	DATE
DRAWN	CO	12/24/2025
MATERIAL		



**FIRST**  
ROBOTICS  
COMPETITION

TITLE  
**FIELD RAIL ASSY, MIDDLE**

SIZE <b>C</b>	DWG NO. <b>FE-00022</b>	REV.
SCALE 1:8		SHEET 1 of 1



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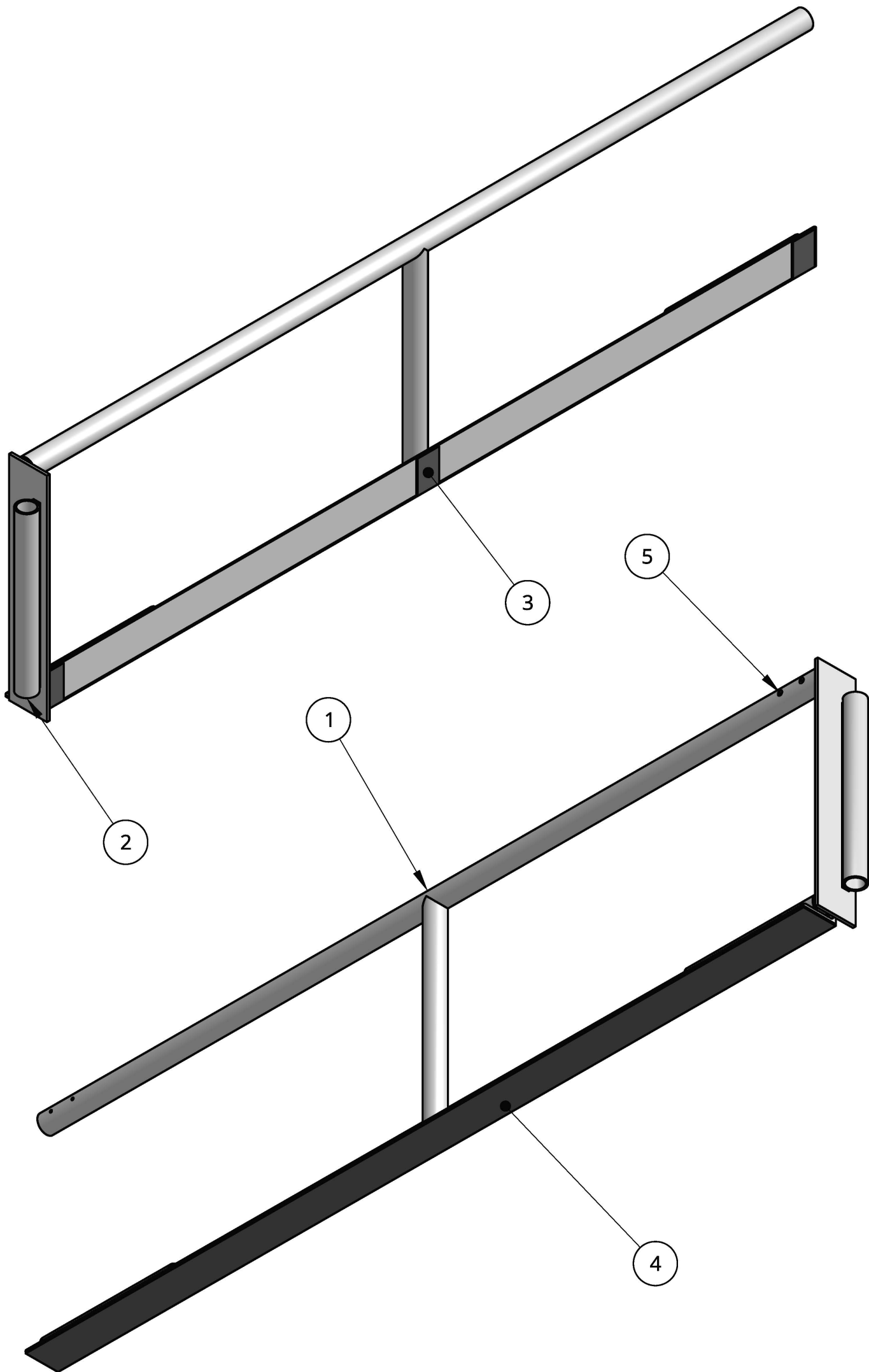
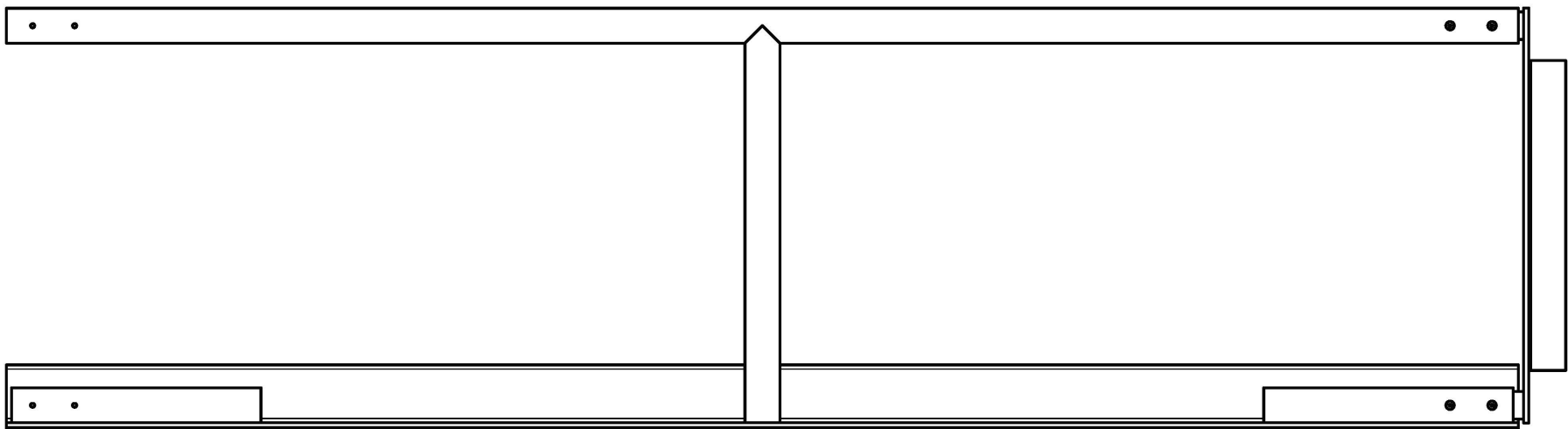
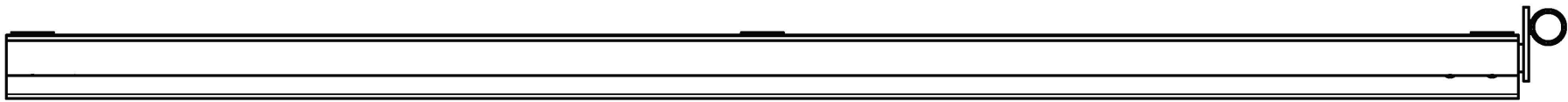
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Item	Quantity	Part number	Description
1	1	FE-00005	Field Rail Weldment
2	1	FE-00018	Corner Connector
3	3		Loop Tape, 2in Wide, 3in Long
4	1		Hook Tape, 3in Wide, 72in Long
5	4		3/16in Rivet, 0.251-0.375in Grip Length

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

DO NOT SCALE DRAWING

BREAK ALL SHARP EDGES AND  
REMOVE BURRS

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VEND	NAME	DATE
DRAWN	CO	12/24/2025

MATERIAL



TITLE  
FIELD RAIL ASSY, LEFT

SIZE C	DWG NO. FE-00023	REV.
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SCALE 1:8	SHEET 1 of 1
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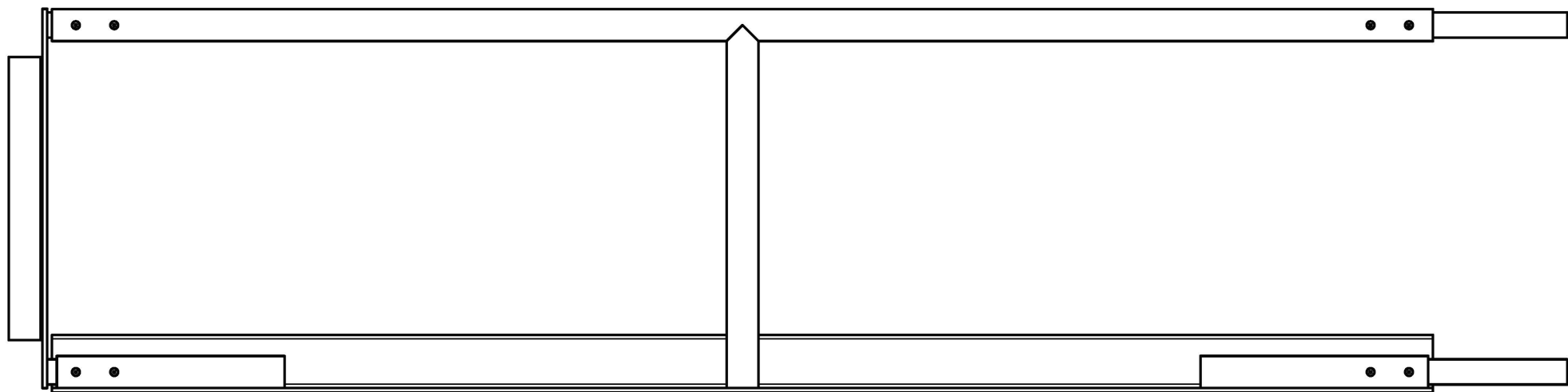
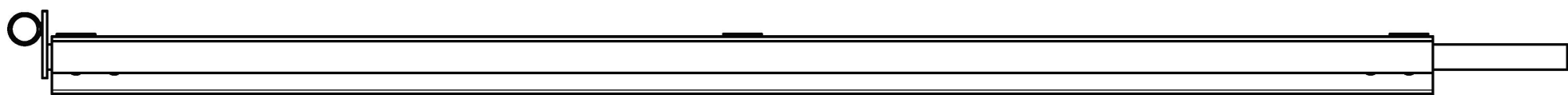
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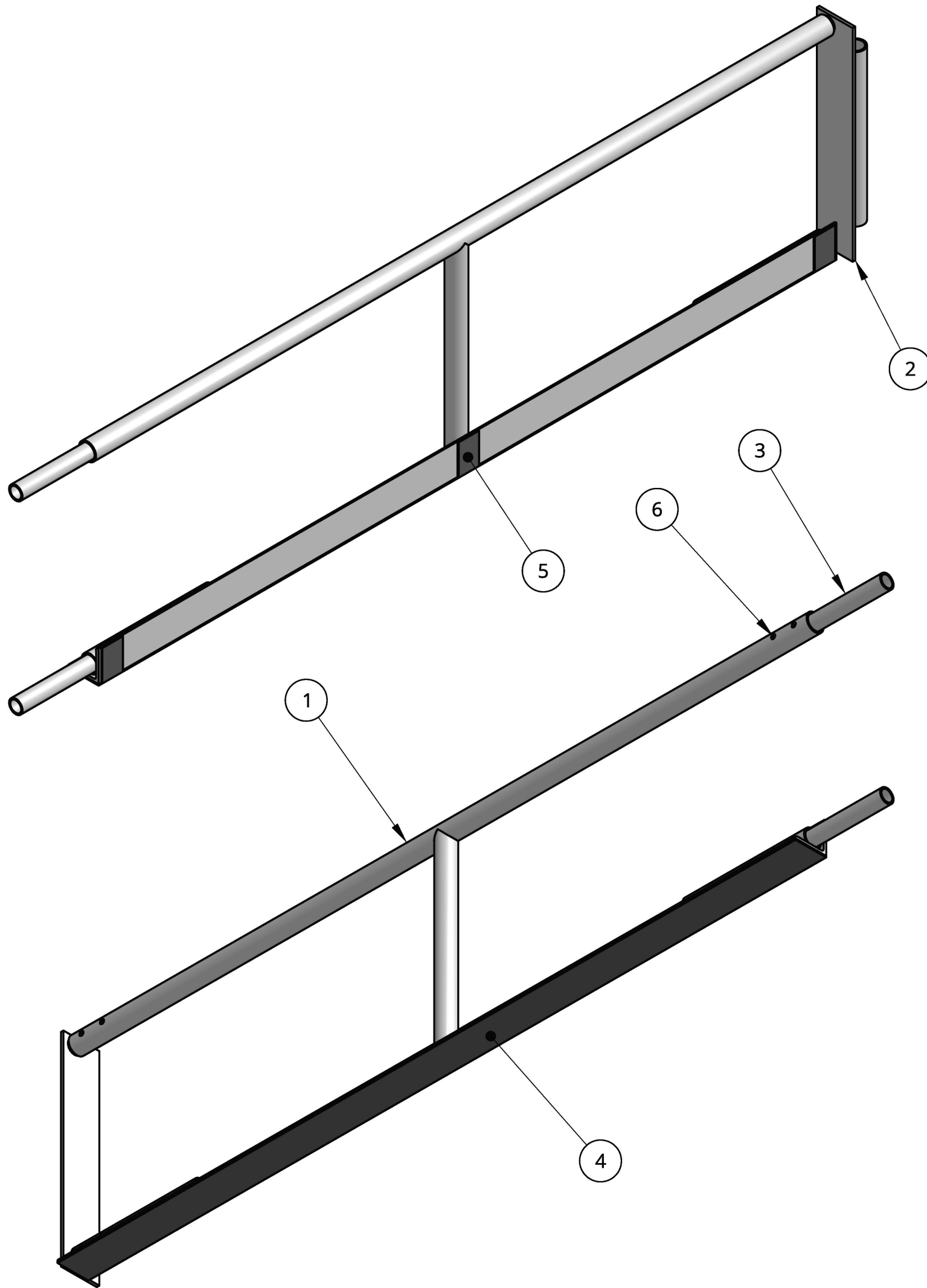
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2x 7.00



Item	Quantity	Part number	Description
1	1	FE-00005	Field Rail Weldment
2	1	FE-00018	Corner Connector
3	2	FE-00026	Connector Pin
4	1		Hook Tape, 3in Wide, 72in Long
5	3		Loop Tape, 2in Wide, 3in Long
6	8		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

BREAK ALL SHARP EDGES AND  
REMOVE BURRS

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VEND	NAME	DATE
DRAWN	CO	12/24/2025

MATERIAL



TITLE		
FIELD RAIL ASSY, RIGHT		
SIZE C	DWG NO. FE-00024	REV.
SCALE 1:8	SHEET 1 of 1	



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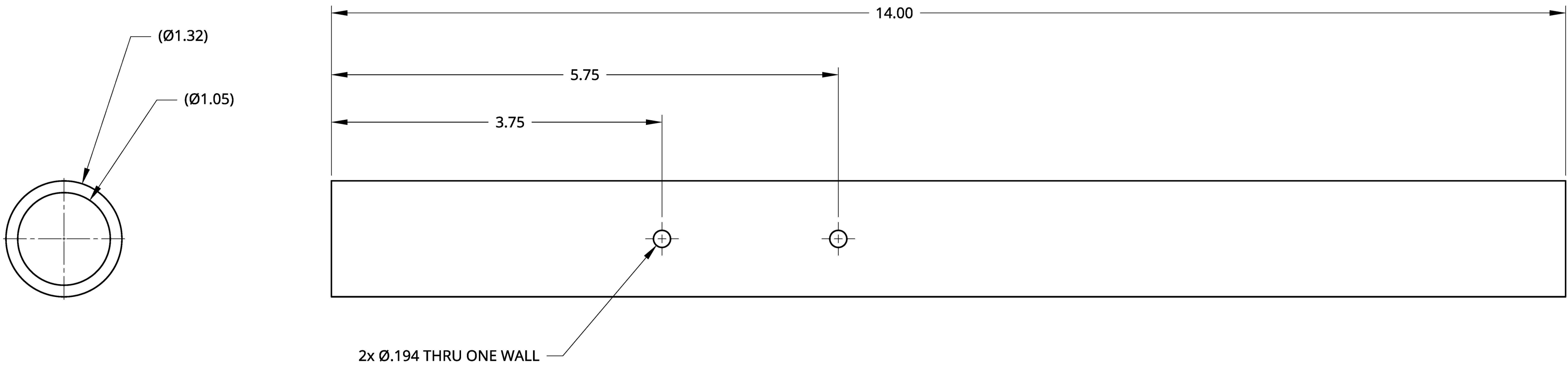
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01    ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE		
	DRAWN	JO	12/18/2025		
	MATERIAL			TITLE	
DO NOT SCALE DRAWING	1" SCHEDULE 40 6061 ALUMINUM PIPE			CONNECTOR PIN	
BREAK ALL SHARP EDGES 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. FE-00026	
	SCALE 1:1			SHEET 1 of 1	

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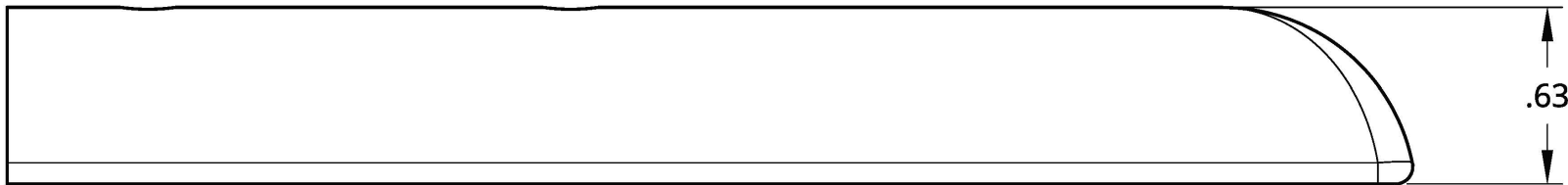
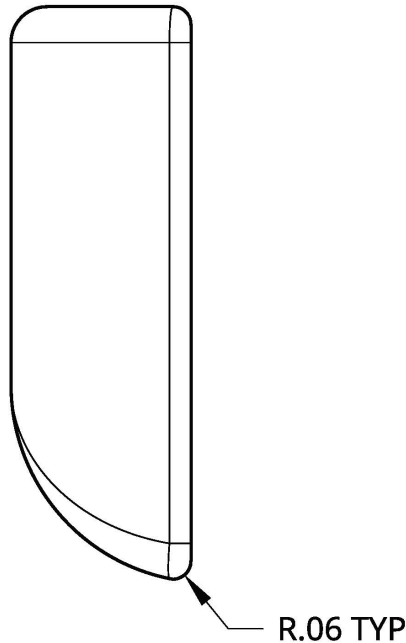
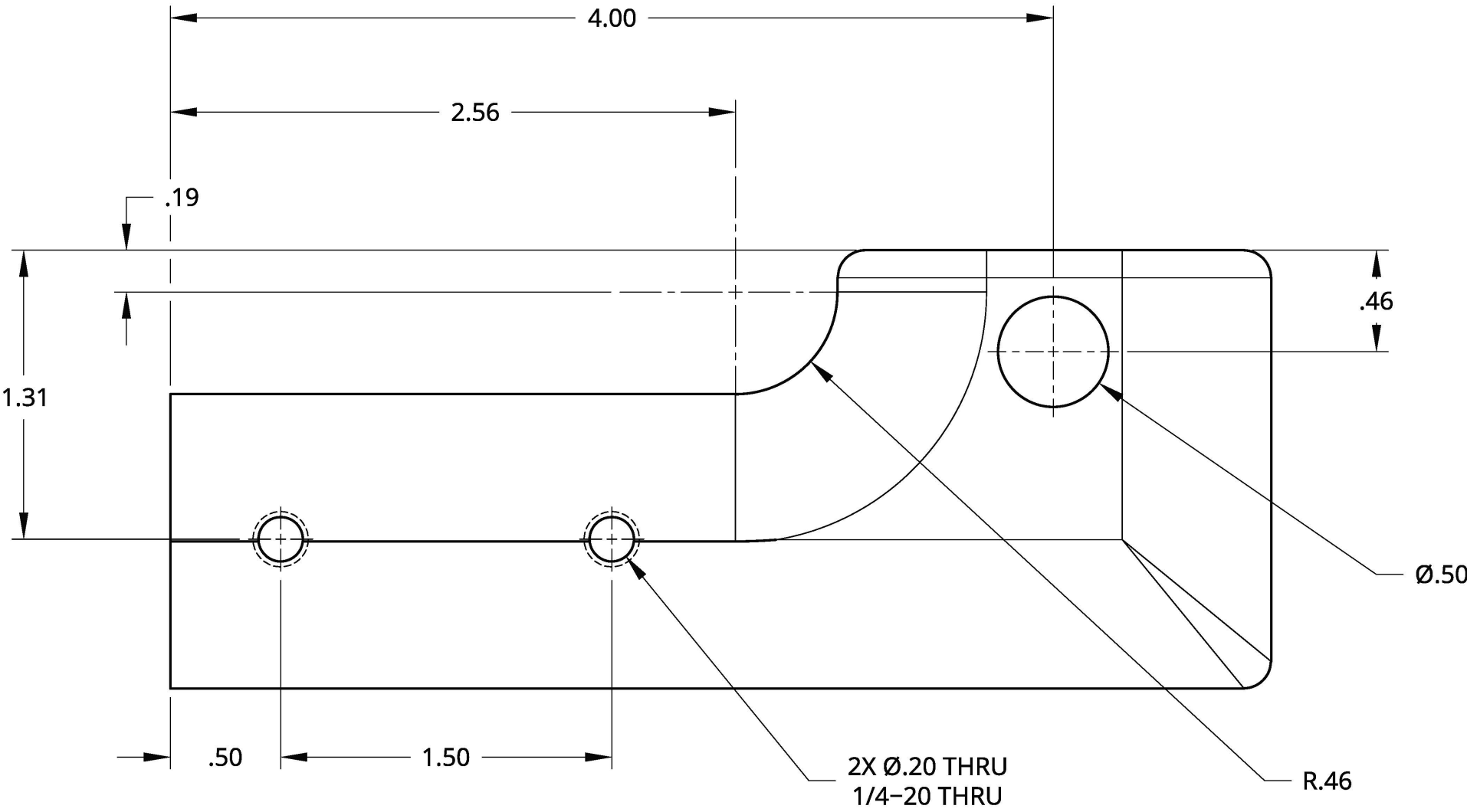
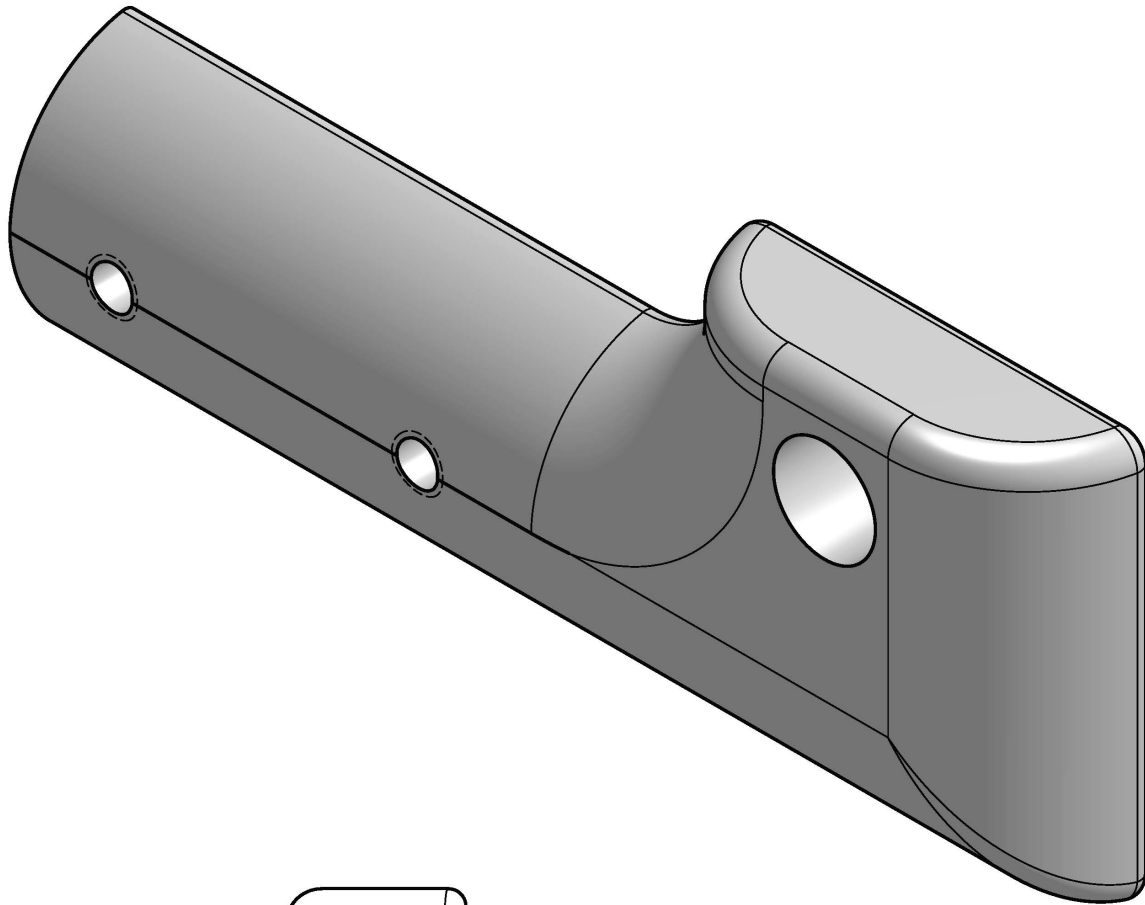
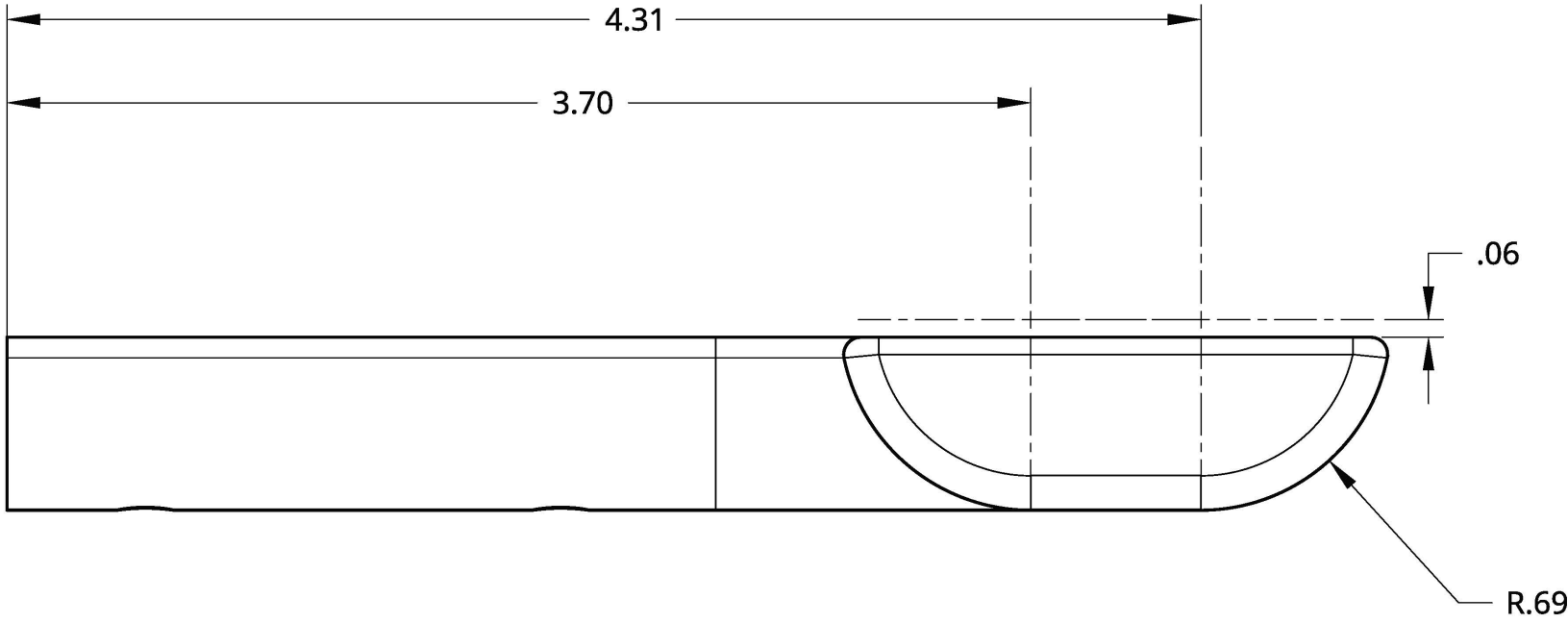
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES XX = ±.01    ANGULAR = ± 1° XXX = ±.005	VEND	NAME	DATE			
	DRAWN	JO	12/19/2025			
DO NOT SCALE DRAWING	MATERIAL  6063 ALUMINUM			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				HINGE, INSERT		
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. FE-00027	REV.
				SCALE 1.5:1		SHEET 1 of 1

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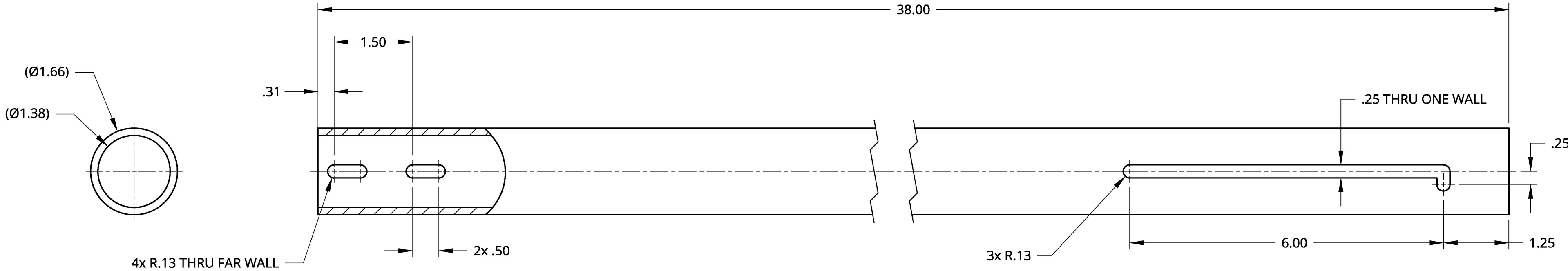
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01    ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE		
	DRAWN	JO	12/18/2025		
	MATERIAL			TITLE	
	1-1/4" SCHEDULE 40 6061 ALUMINUM PIPE			ARM, FIELD GATE	
DO NOT SCALE DRAWING	1-1/4" SCHEDULE 40 6061 ALUMINUM PIPE			SIZE C	DWG NO. FE-00028
BREAK ALL SHARP EDGES AND REMOVE BURRS				SCALE 1:1.5	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.				SHEET 1 of 1	

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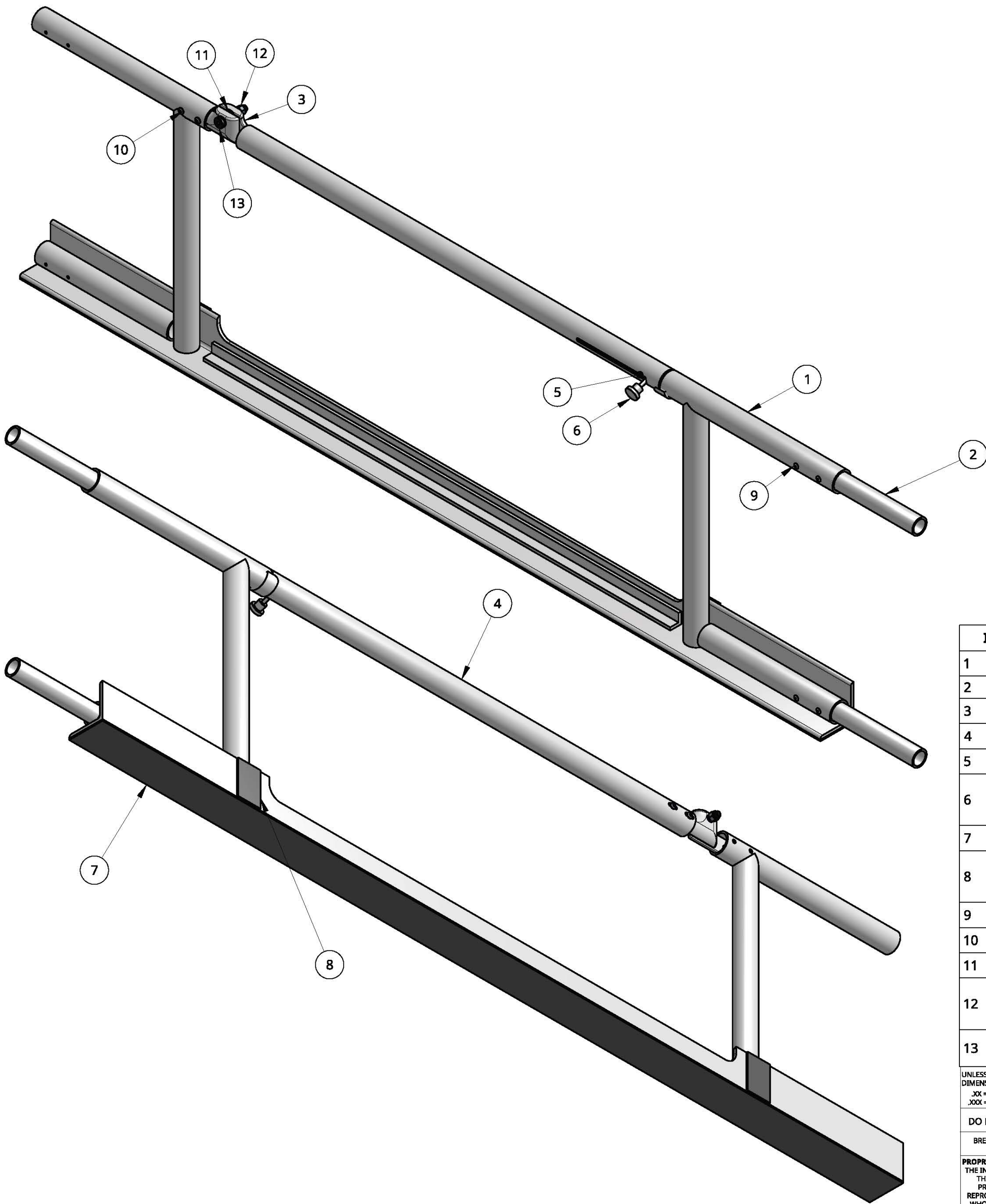
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Item	Quantity	Part number	Description
1	1	FE-00006	Field Rail, Gate Weldment
2	2	FE-00026	Connector Pin
3	2	FE-00027	Hinge, Insert
4	1	FE-00028	Arm, Field Gate
5	1	FE-00031	Slide, Gate
6	1	FE-00054	Knob, Round Knurled with threaded Stud McMaster Carr 6091K61
7	1		Hook Tape, 3in Wide, 72in Long
8	2		Loop Tape, 2in Wide, 3in Long
9	4		3/16in Rivet, 0.251-0.375in Grip Length
10	4		Socket button head cap screw 1/4-20 x 0.75 Steel Black Oxide
11	1		Type A flat washer 1/2 Narrow Steel
12	1		Hex lock nut with nylon insert 3/8-16 Steel Grade 5
13	1		3/8-16 Socket Head Shoulder Screw, 1/2" x 1.5"

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES  .XX = ±.01    ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE			
	DRAWN	JO	12/23/2025			
DO NOT SCALE DRAWING	MATERIAL			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				FIELD GATE, 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	FE-00029	
				SCALE	1:5	SHEET
						1 of 1



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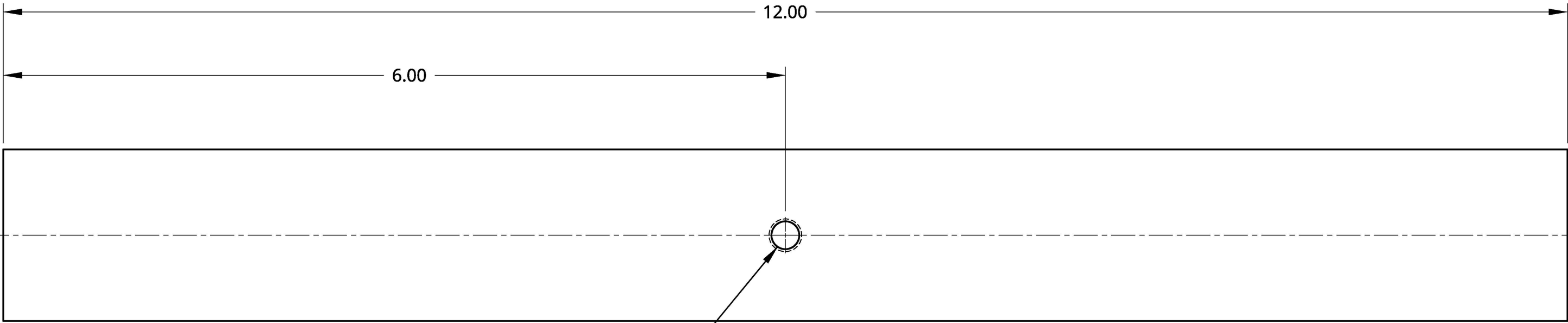
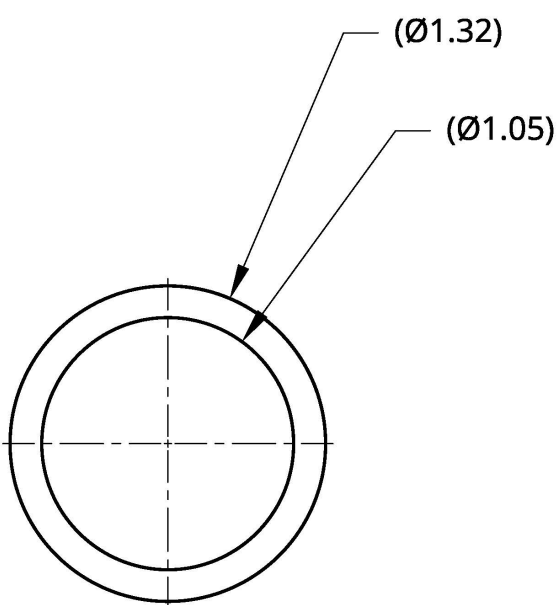
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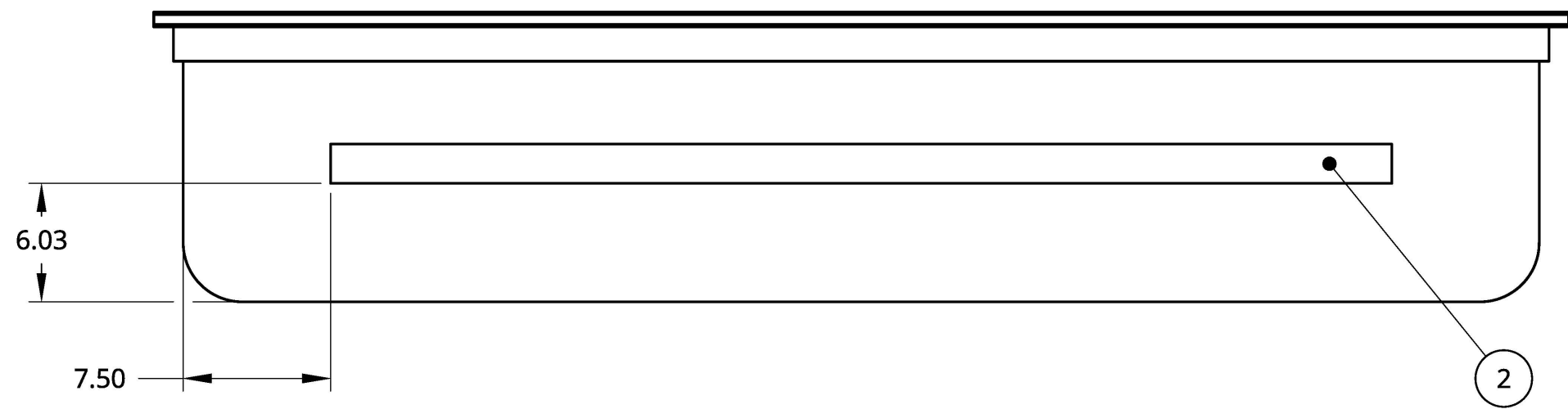


1/4-28 UNF-2B THRU ONE WALL

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01    ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE					
	DRAWN	JO	12/19/2025					
DO NOT SCALE DRAWING	MATERIAL  1" SCHEDULE 40 6061 ALUMINUM PIPE			TITLE				
BREAK ALL SHARP EDGES AND REMOVE BURRS				SLIDE, GATE				
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.		
				SCALE		SHEET		
				C	FE-00031		1.25:1	1 of 1

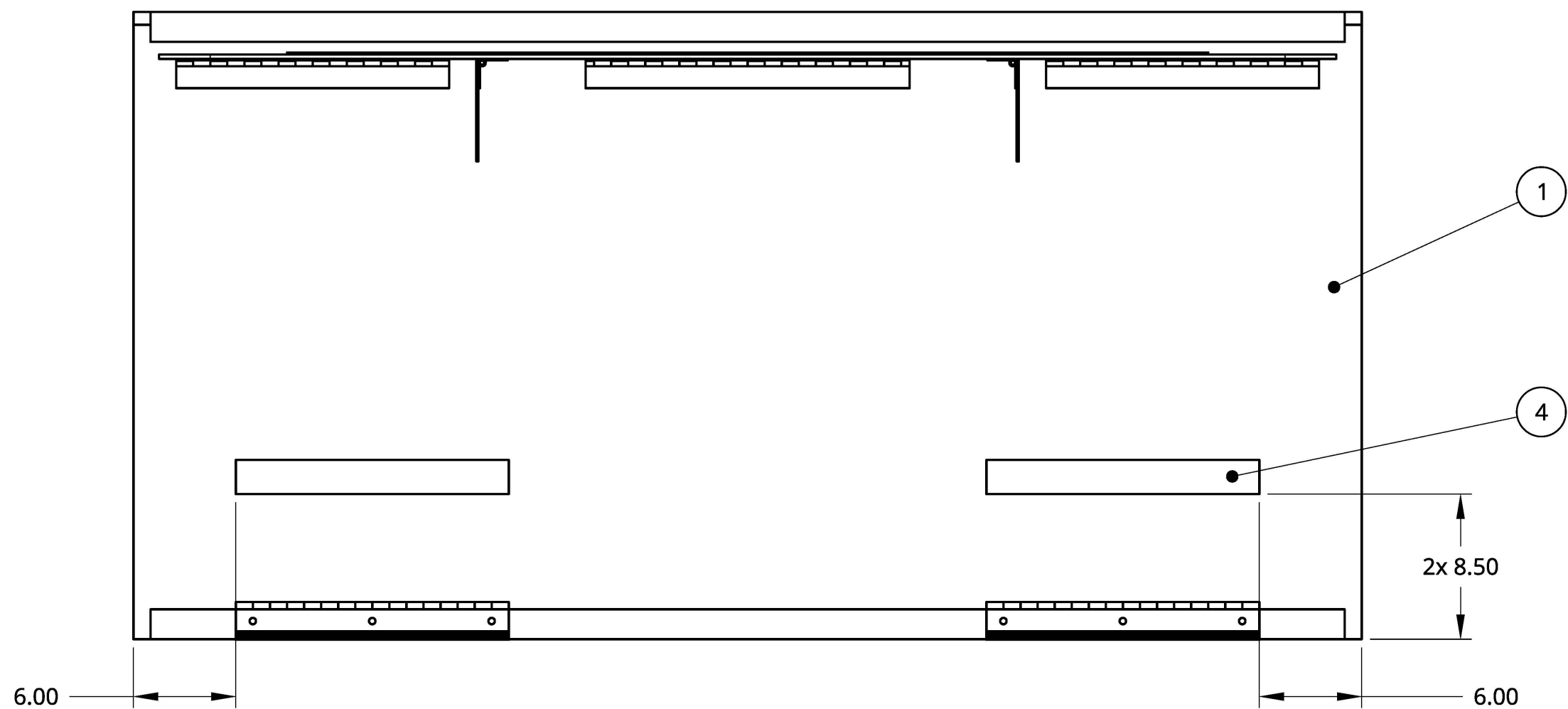
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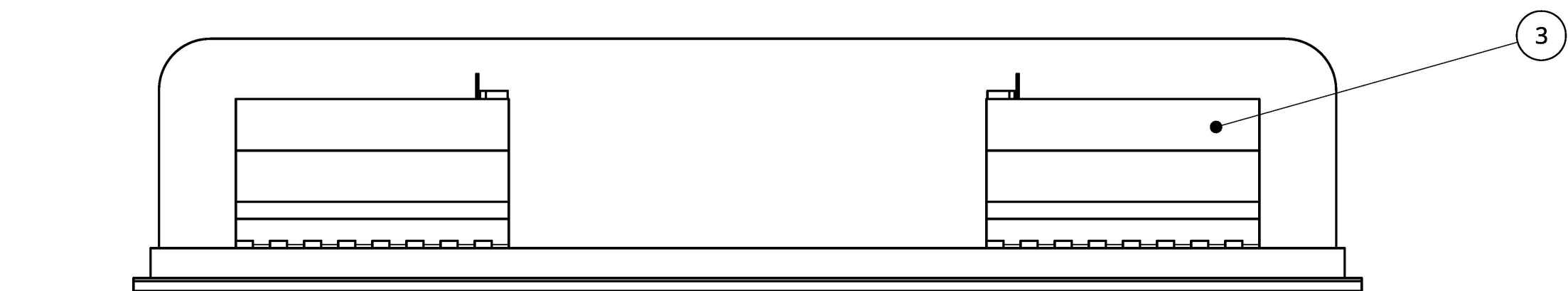
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Item	Quantity	Part number	Description
1	1	FE-00004	End Panel Weldment
2	1		Loop Tape, 2in Wide, 54in Long
3	4		Hook Tape, 3in Wide, 16in Long
4	2		Hook Tape, 2in Wide, 16in Long
5	2		Loop Tape, 2in Wide, 16in Long

<div>UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01    ANGULAR = ± 1° .XXX = ±.005</div> <div>DO NOT SCALE DRAWING</div> <div>BREAK ALL SHARP EDGES AND REMOVE BURRS</div> <div>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.</div>	VEND	NAME	DATE	<div></div>	
	DRAWN	DF	12/18/2025		
	MATERIAL			TITLE	
				END PANEL ASSY	
		SIZE	DWG NO.	REV.	
		C	FE-00043		
		SCALE	1:8	SHEET	1 of 1

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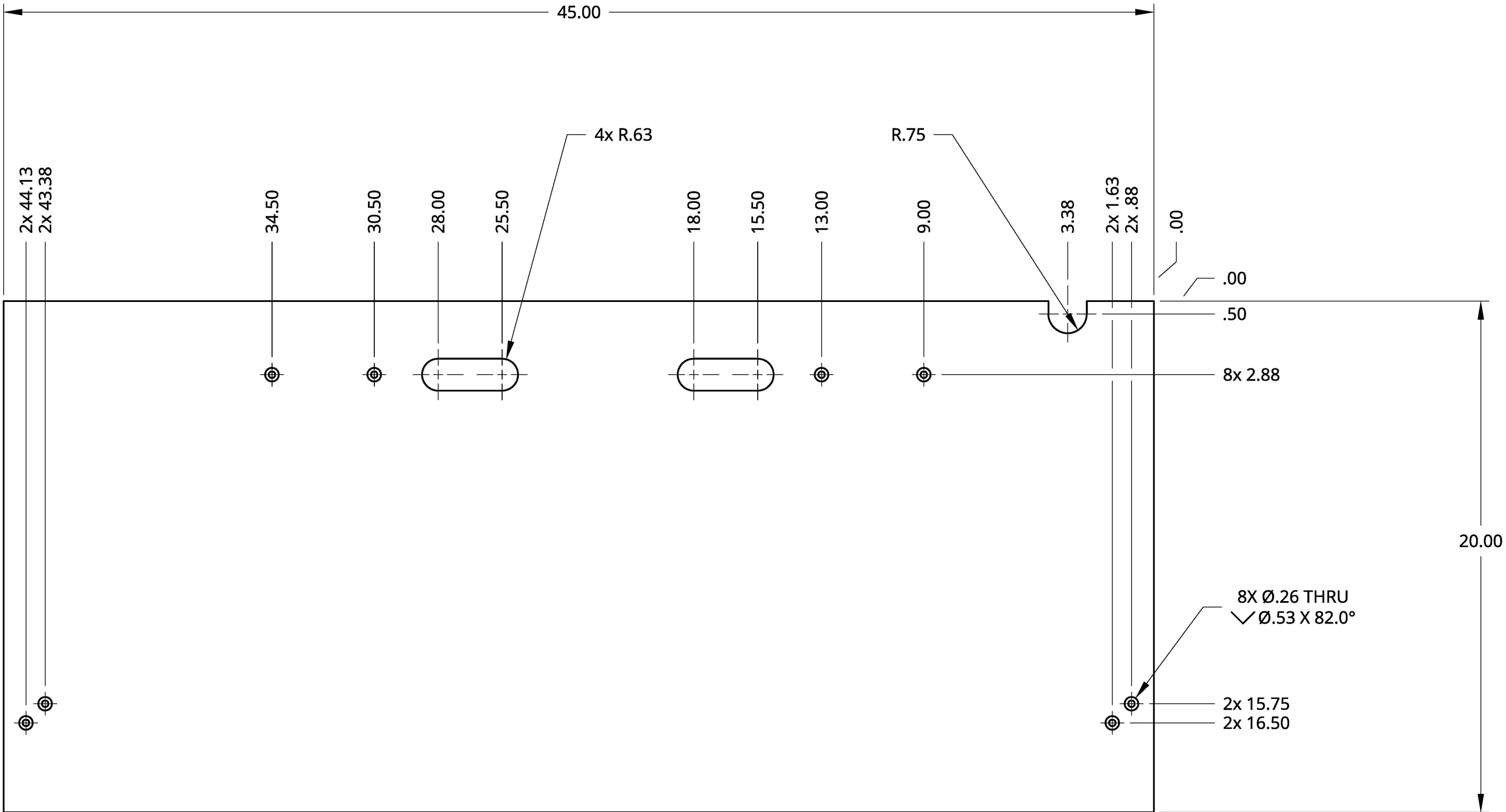
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01    ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE			
	DRAWN	JO	12/16/2025			
DO NOT SCALE DRAWING	MATERIAL  1/4" POLYCARBONATE CLEAR			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				FIELD PLASTIC "G"		
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	FE-00044	
	SCALE 1:4			SHEET 1 of 1		

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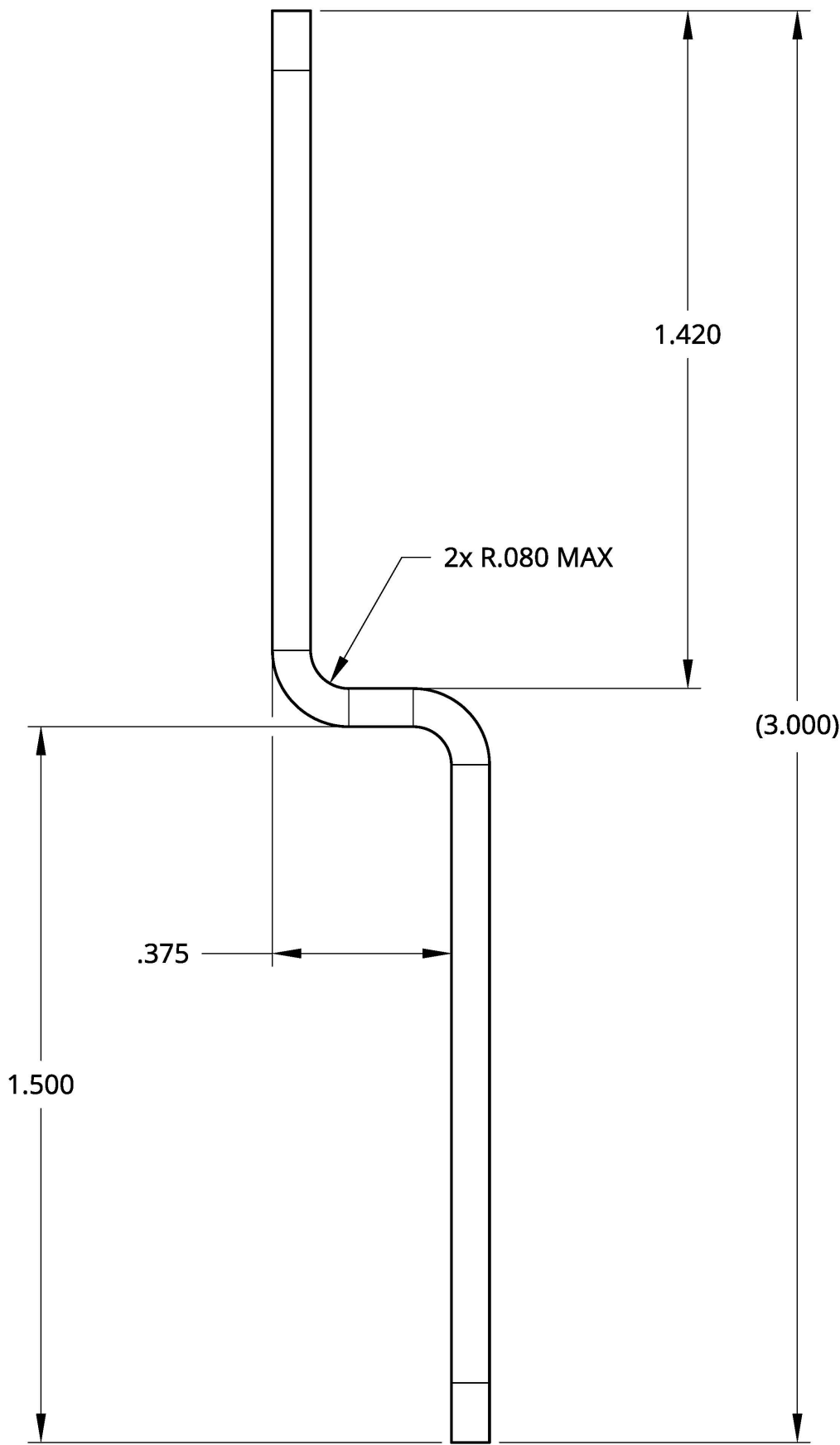
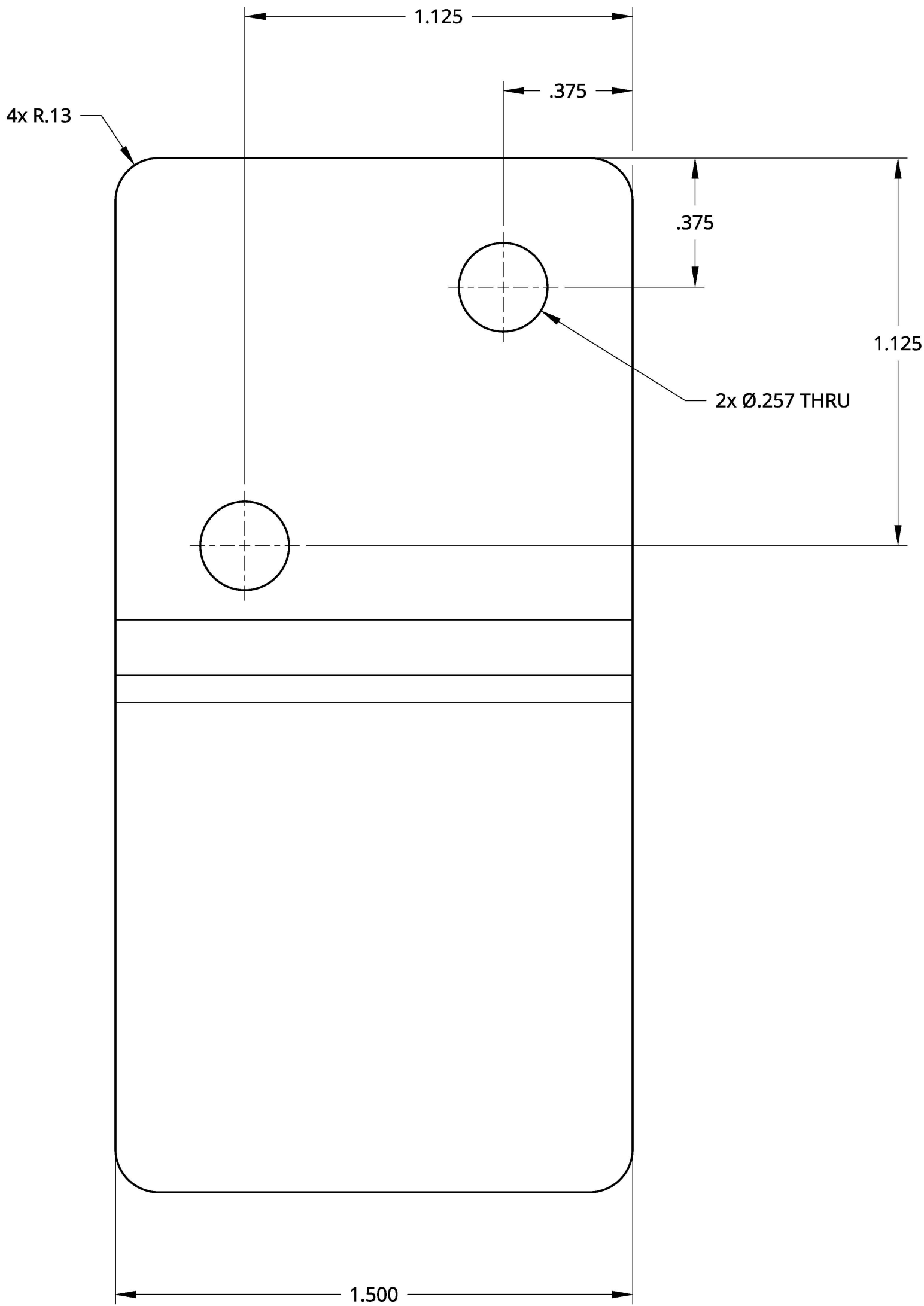
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES XX = ±.01    ANGULAR = ± 1° XXX = ±.005	VEND	NAME	DATE			
	DRAWN	JO	12/16/2025			
DO NOT SCALE DRAWING	MATERIAL  12 GAUGE 5052 ALUMINUM			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				LOWER Z-BRACKET, GATE 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	DWG NO. FE-00045	REV.
				SCALE 3:1	SHEET 1 of 1	

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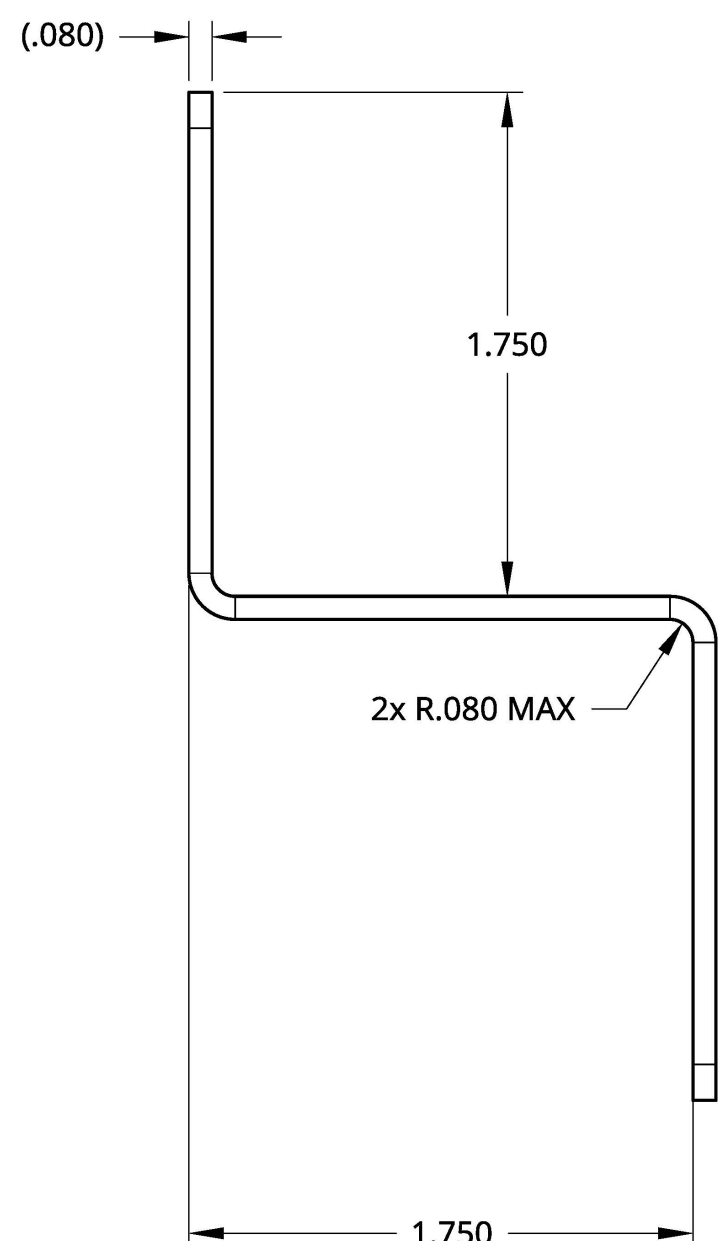
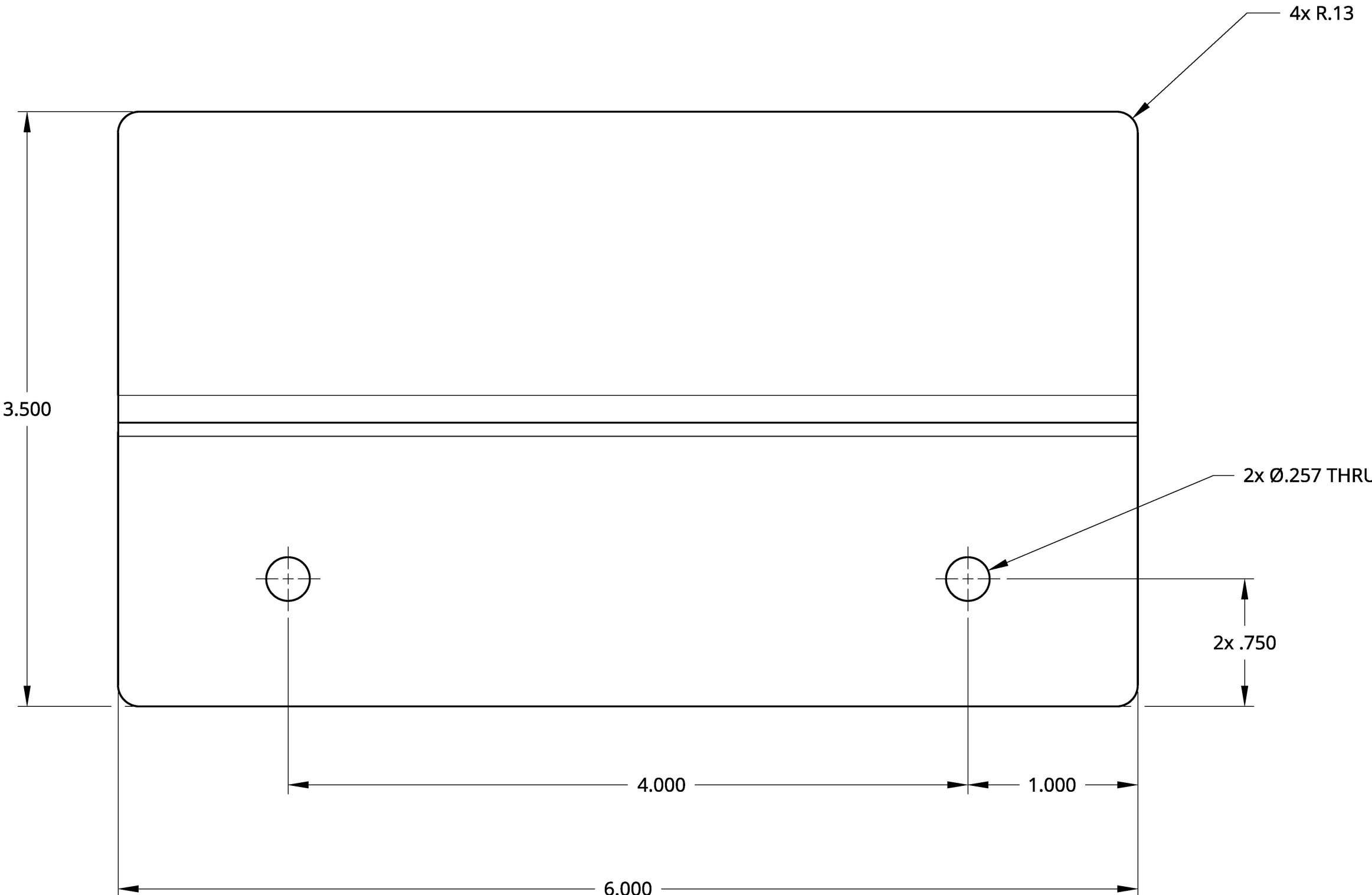
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES XX = ±.01    ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE			
	DRAWN	JO	12/16/2025			
DO NOT SCALE DRAWING	MATERIAL  12 GAUGE 5052 ALUMINUM			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				UPPER Z-BRACKET. GATE 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	DWG NO. FE-00046	REV.
				SCALE 1.5:1		SHEET 1 of 1

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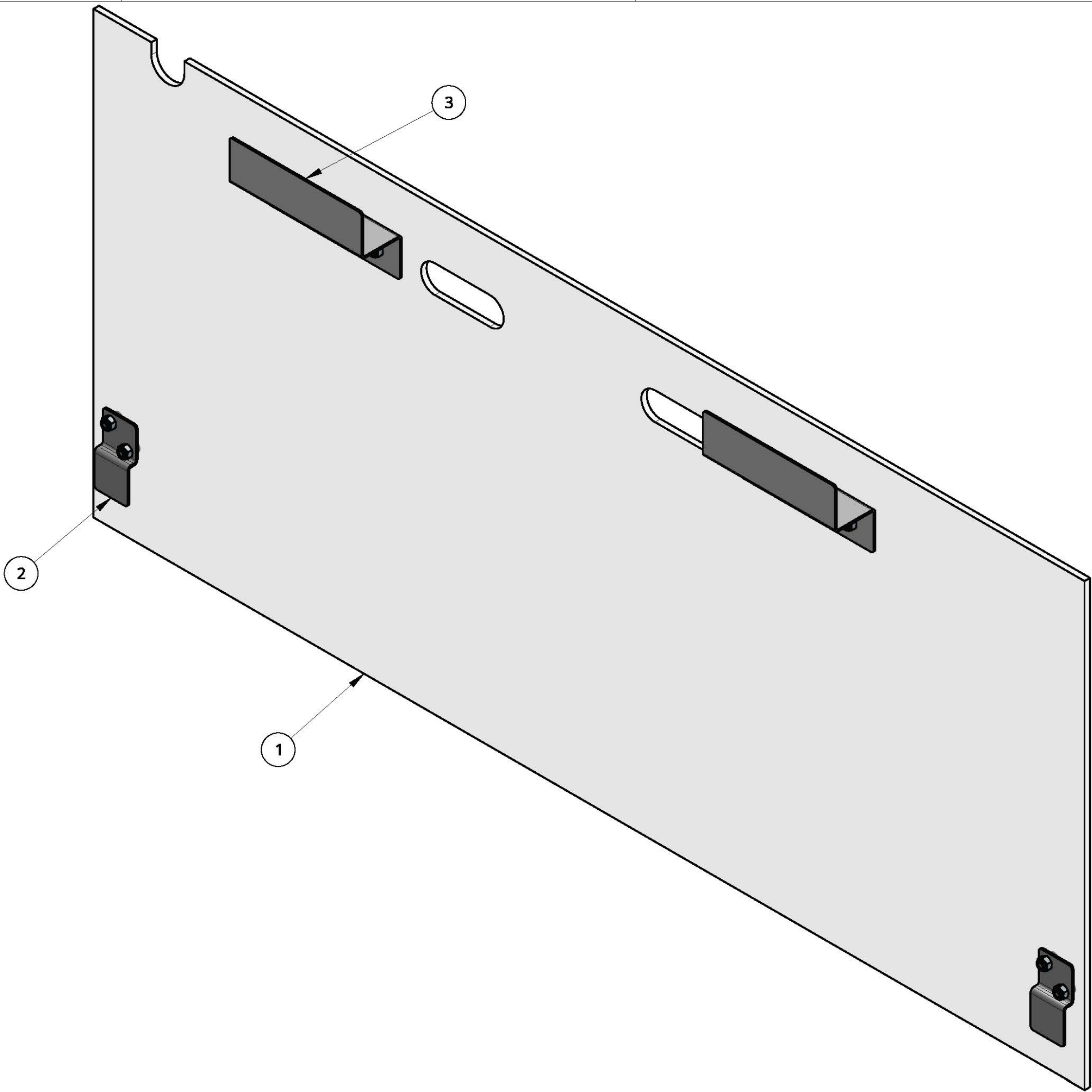
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Item	Quantity	Part number	Description				
1	1	FE-00044	Field Plastic "G"				
2	2	FE-00045	Lower Z-Bracket, Gate Plastic				
3	2	FE-00046	Upper Z-Bracket. Gate Plastic				
4	8		Flat countersunk head (82) machine screw 1/4-20 x 0.625 Steel Zinc Plated				
5	8		Hex lock nut with nylon insert 1/4-20 Steel Grade 5 Zinc Plated				
<div>UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES XX = ±.01    ANGULAR = ± 1° XXX = ±.005</div> <div>DO NOT SCALE DRAWING</div> <div>BREAK ALL SHARP EDGES AND REMOVE BURRS</div> <div>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.</div>		VEND	NAME	DATE	<div></div>		
		DRAWN	JO	12/23/2025			
		MATERIAL			TITLE		
					GATE PLASTIC ASSY		
		SIZE	DWG NO.		REV.		
		C	FE-00047				
		SCALE	1:3		SHEET	1 of 1	

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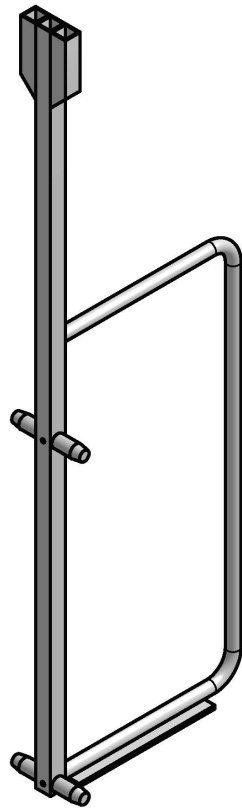
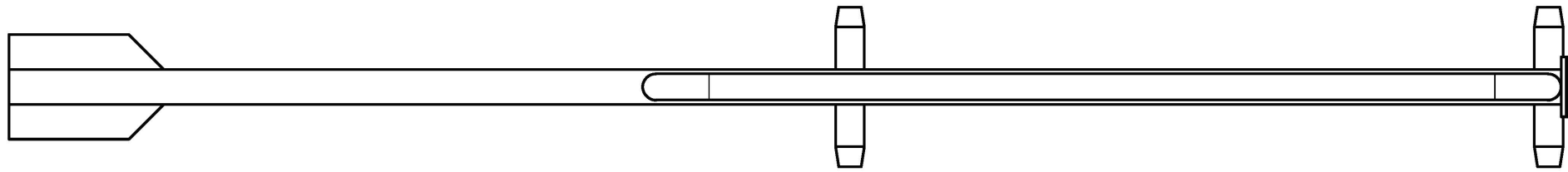
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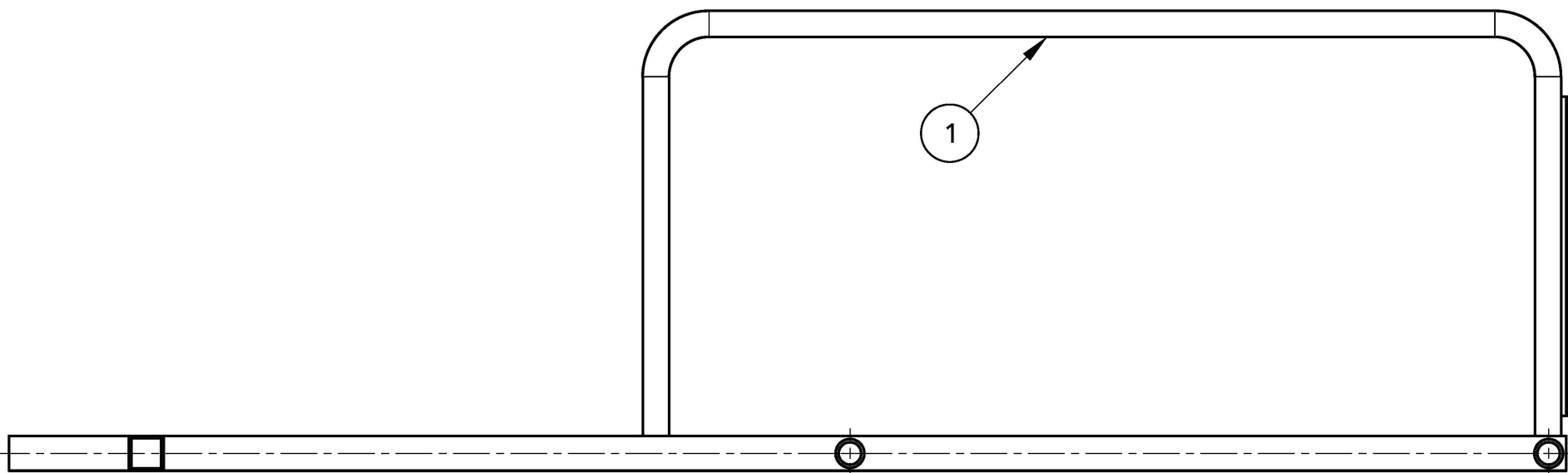
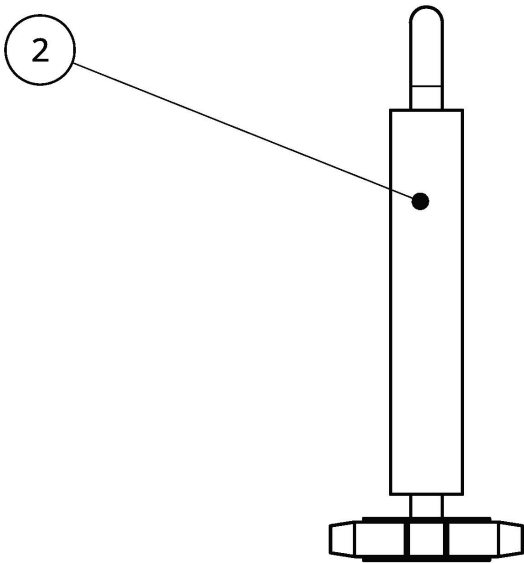
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SCALE 1:16



Item	Quantity	Part number	Description
1	1	FE-00001	Drivers Station Support Weldment
2	1		Hook Tape, 3in Wide, 16in Long

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01     ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE			
	DRAWN	JO	12/16/2025			
DO NOT SCALE DRAWING	MATERIAL			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				DRIVER STATION SUPPORT ASSY		
<b>PROPRIETARY AND CONFIDENTIAL</b> 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	FE-00048	
	SCALE	1:8	SHEET	1 of 1		

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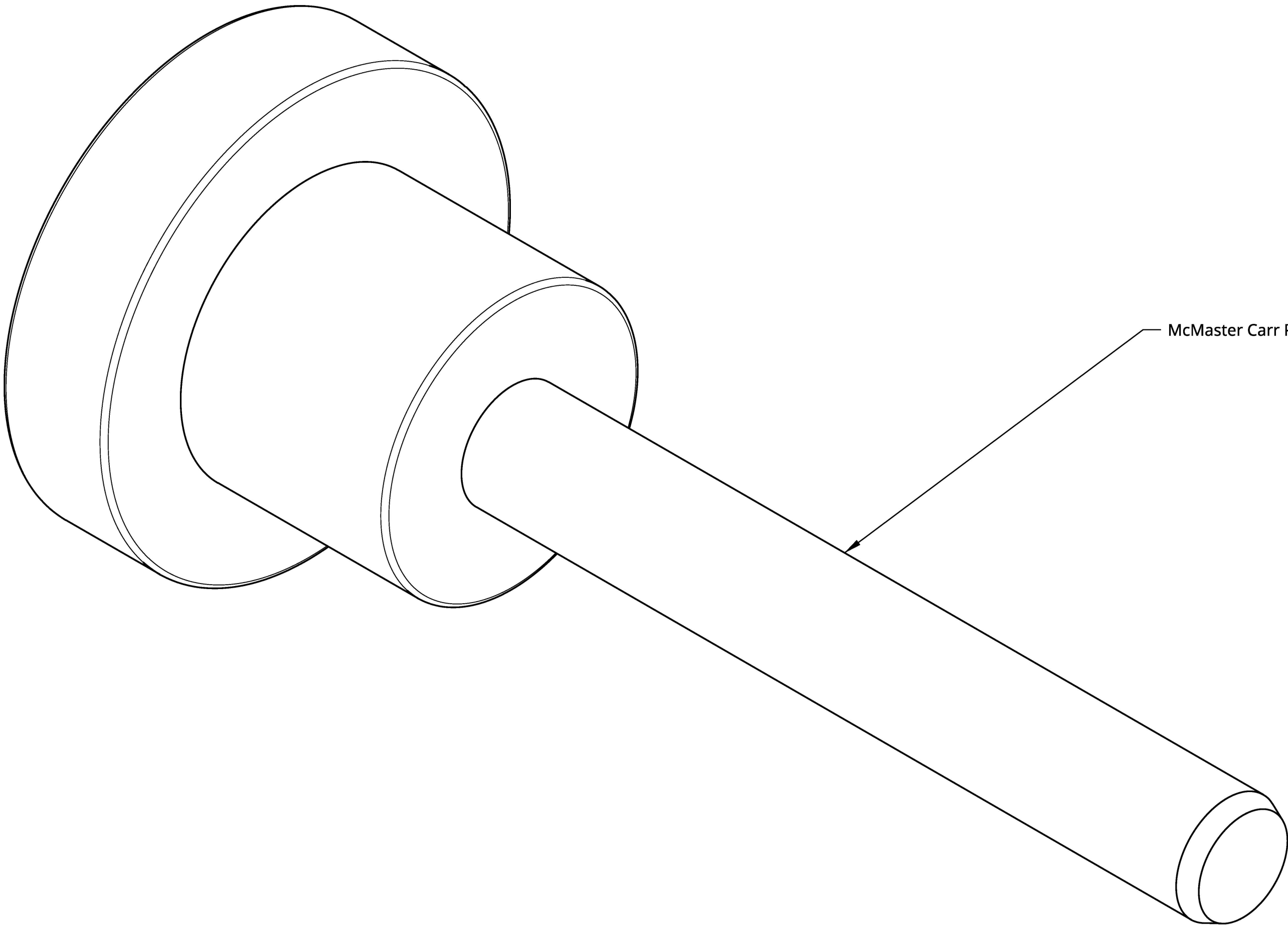
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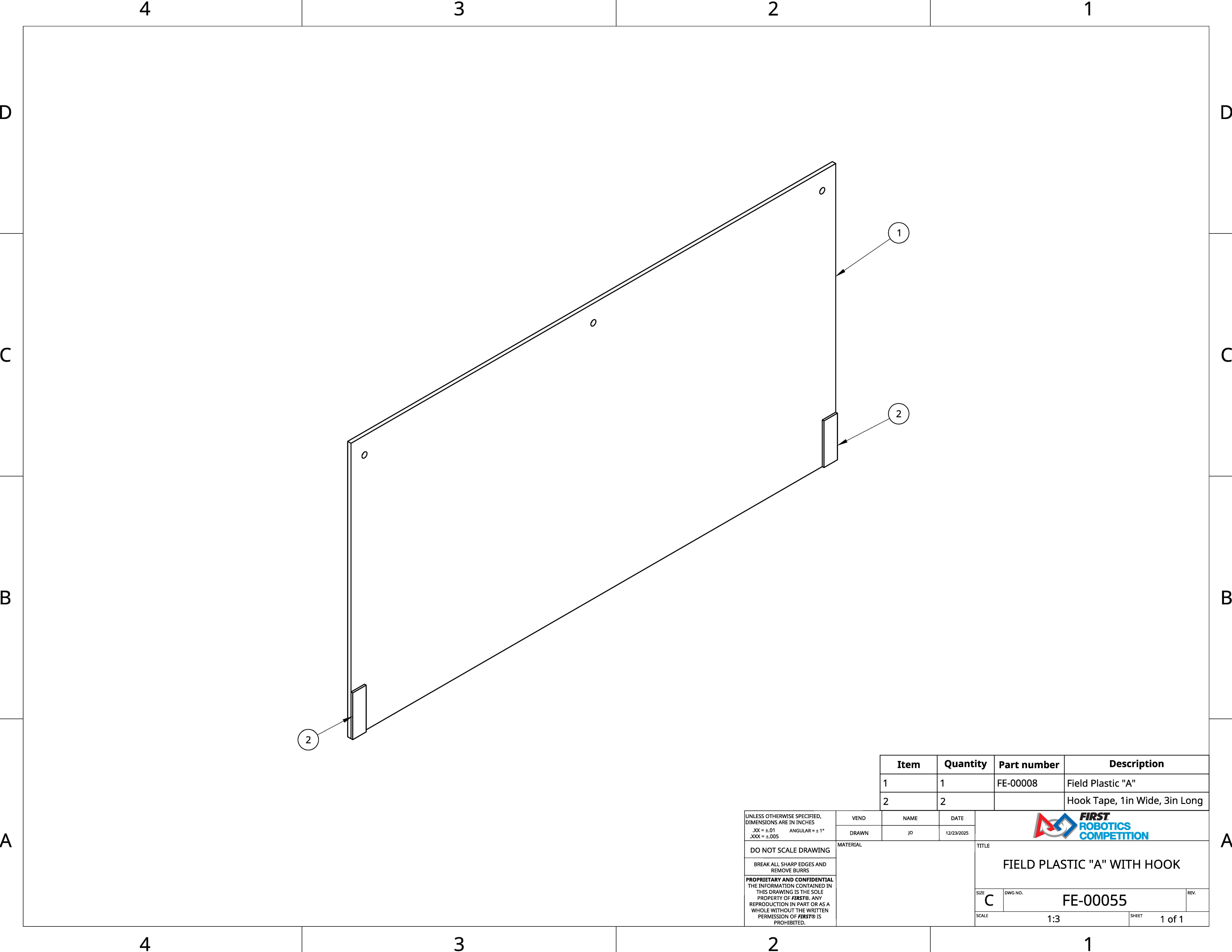
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McMaster Carr Part Number 6091K61

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES  .XX = ±.01    ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE			
	DRAWN	JO	12/23/2025			
DO NOT SCALE DRAWING	MATERIAL			TITLE  KNOB, ROUND KNURLED WITH THREADED STUD MCMASTER CARR 6091K61		
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.  FE-00054	REV.
				SCALE  6:1	SHEET  1 of 1	



Item	Quantity	Part number	Description
1	1	FE-00008	Field Plastic "A"
2	2		Hook Tape, 1in Wide, 3in Long

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01    ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE		
	DRAWN	JO	12/23/2025		
	MATERIAL			TITLE	
DO NOT SCALE DRAWING				FIELD PLASTIC "A" WITH HOOK	
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	REV.
SCALE 1:3		DWG NO. FE-00055		SHEET 1 of 1	



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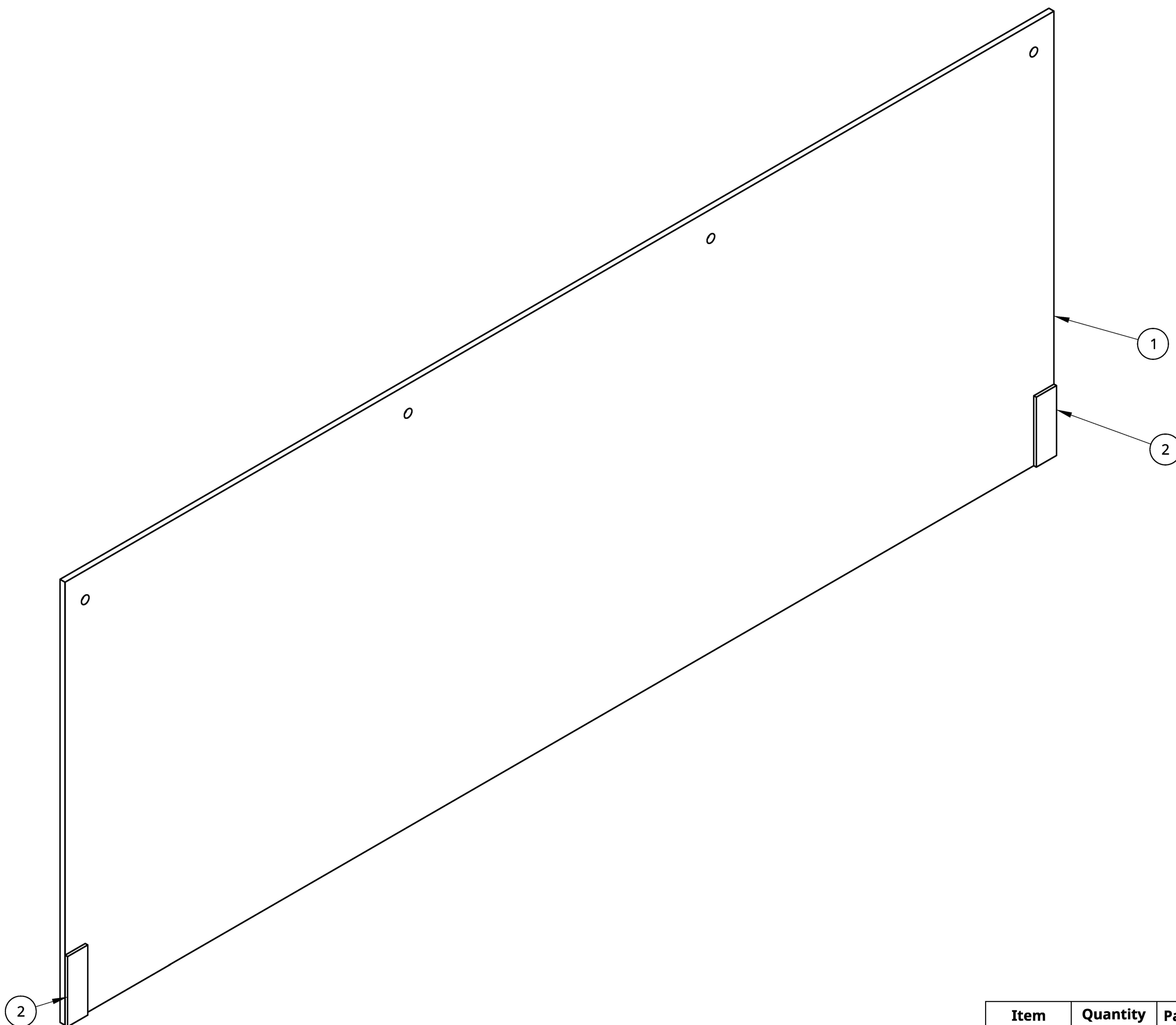
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Item	Quantity	Part number	Description
1	1	FE-00009	Field Plastic "B"
2	2		Hook Tape, 1in Wide, 3in Long

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES  .XX = ±.01      ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE	 <b>FIRST ROBOTICS COMPETITION</b>	
	DRAWN	JO	12/23/2025		
DO NOT SCALE DRAWING  BREAK ALL SHARP EDGES AND REMOVE BURRS  <b>PROPRIETARY AND CONFIDENTIAL</b> THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF <b>FIRST®</b> . ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF <b>FIRST®</b> IS PROHIBITED.	MATERIAL			TITLE	
FIELD PLASTIC "B" WITH HOOK					
SIZE <b>C</b>				DWG NO. <b>FE-00056</b>	REV.
SCALE <b>1:3</b>		SHEET <b>1 of 1</b>			

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Item	Quantity	Part number	Description
1	1	FE-00010	Field Plastic "C"
2	2		Hook Tape, 1in Wide, 3in 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

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VEND	NAME	DATE
DRAWN	JO	12/23/2025

MATERIAL

TITLE



FIELD PLASTIC "C" WITH HOOK

SIZE C	DWG NO. FE-00057	REV.
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SCALE 1:4	SHEET 1 of 1
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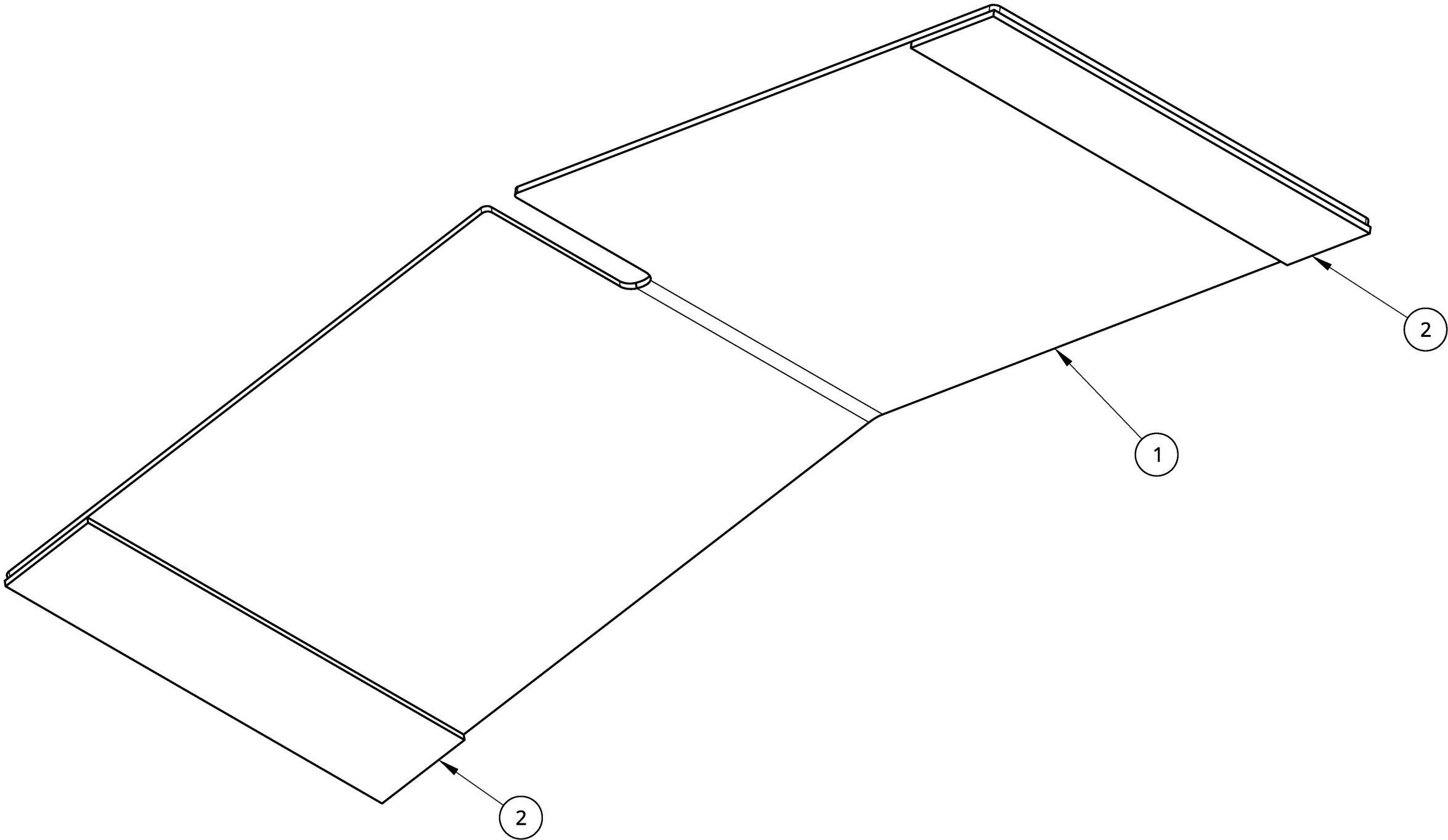
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Item	Quantity	Part number	Description
1	1	FE-00015	Trip Guard
2	2		Hook Tape, 2in Wide, 9in Long

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01    ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE			
	DRAWN	JO	12/23/2025			
DO NOT SCALE DRAWING	MATERIAL			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				TRIP GUARD WITH HOOK		
<b>PROPRIETARY AND CONFIDENTIAL</b> 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	FE-00058	
	SCALE	1:2	SHEET	1 of 1		

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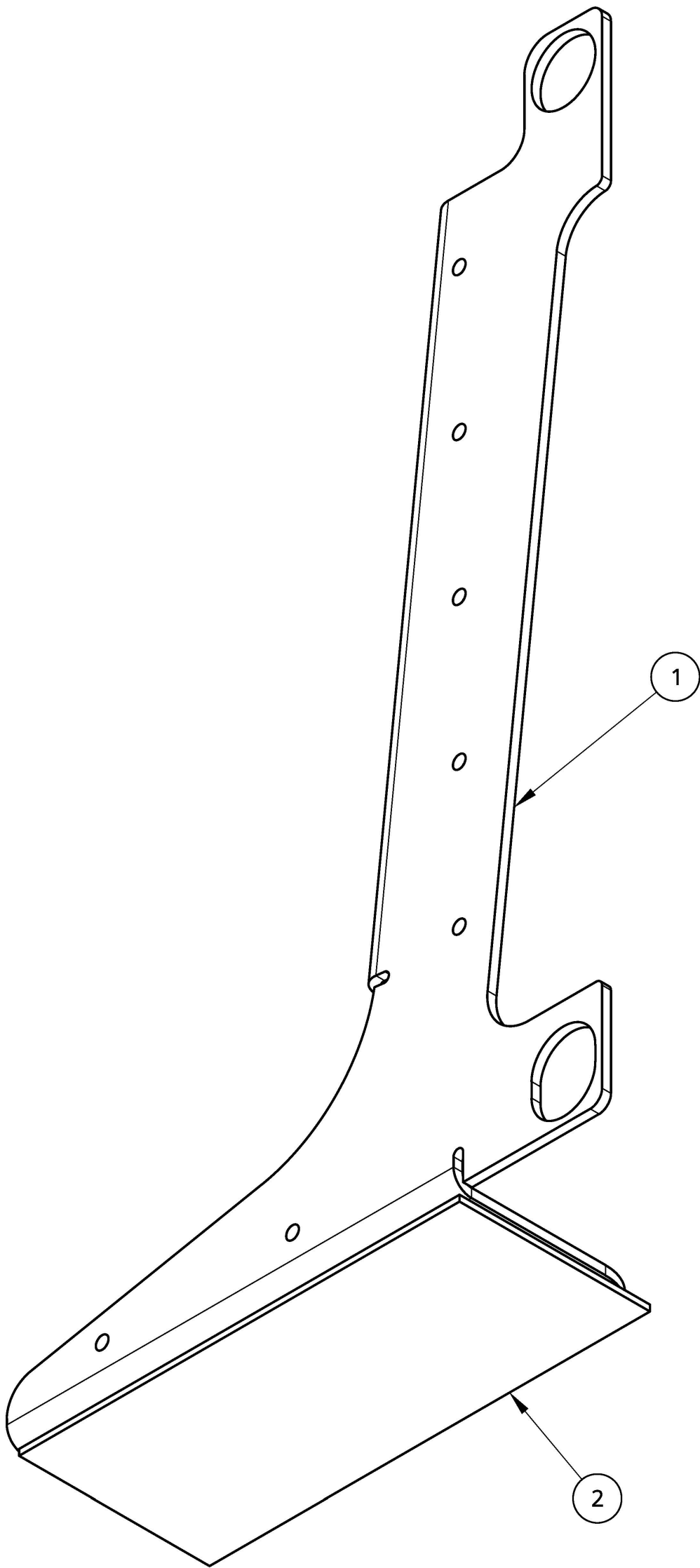
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UNLESS OTHERWISE SPECIFIED,  
DIMENSIONS ARE IN INCHES  
.XX = ±.01    ANGULAR = ± 1°  
.XXX = ±.005

DO NOT SCALE DRAWING

BREAK ALL SHARP EDGES AND  
REMOVE BURRS

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PROHIBITED.

VEND	NAME	DATE
DRAWN	JO	12/23/2025
MATERIAL		

Item	Quantity	Part number	Description
1	1	FE-00050	Outrigger Base
2	1		Hook Tape, 4in Wide, 9.25in Long
TITLE			
OUTRIGGER ASSY			
SIZE	DWG NO.	REV.	
C	FE-00059		
SCALE	1:2	SHEET	1 of 1



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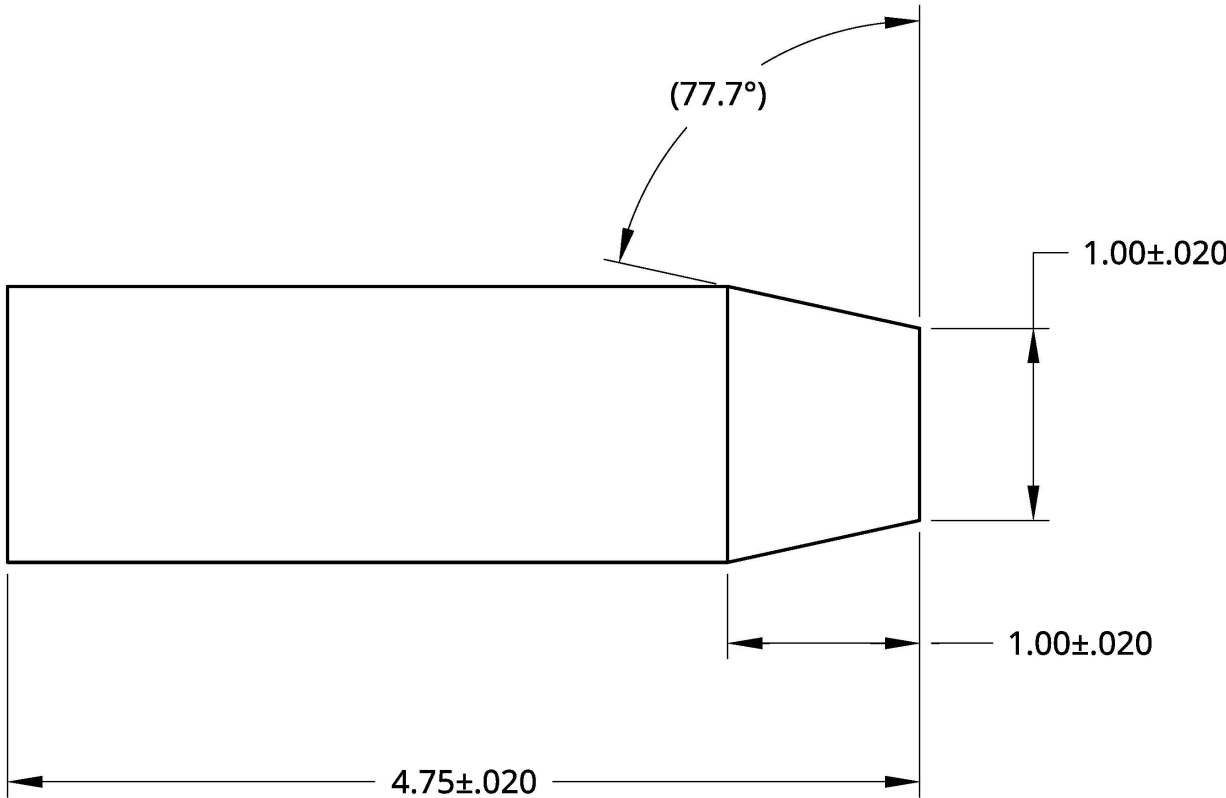
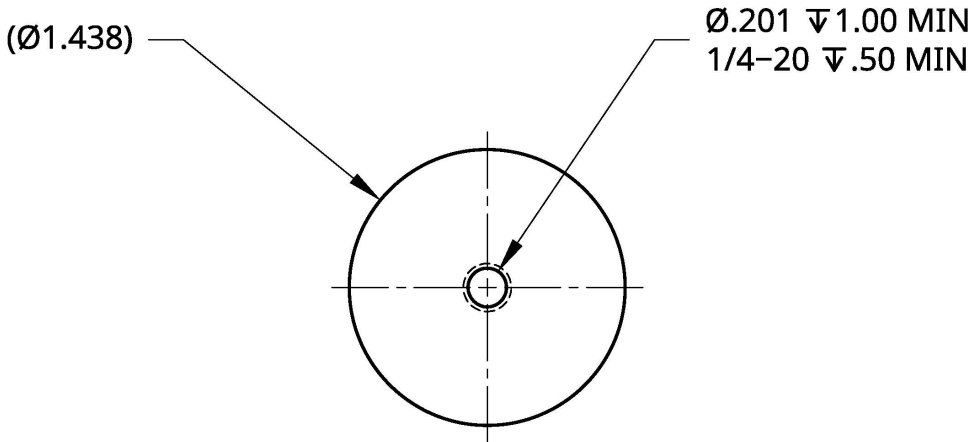
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REVISIONS

REV	DESCRIPTION	DATE	APPROVED
A	Recreated drawing, loosened tolerances.	2025-09-25	OCD



UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = $\pm .01$ ANGULAR = $\pm 1^\circ$ .XXX = $\pm .005$	VEND	NAME	DATE		
	DRAWN	OCD	09/25/2025		
	MATERIAL			TITLE	
DO NOT SCALE DRAWING	1-7/16IN ROUND BAR, 6061 ALUMINUM			TOP RAIL, POST	
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 FIRST®. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.				SCALE 1:1	SHEET 1 of 1

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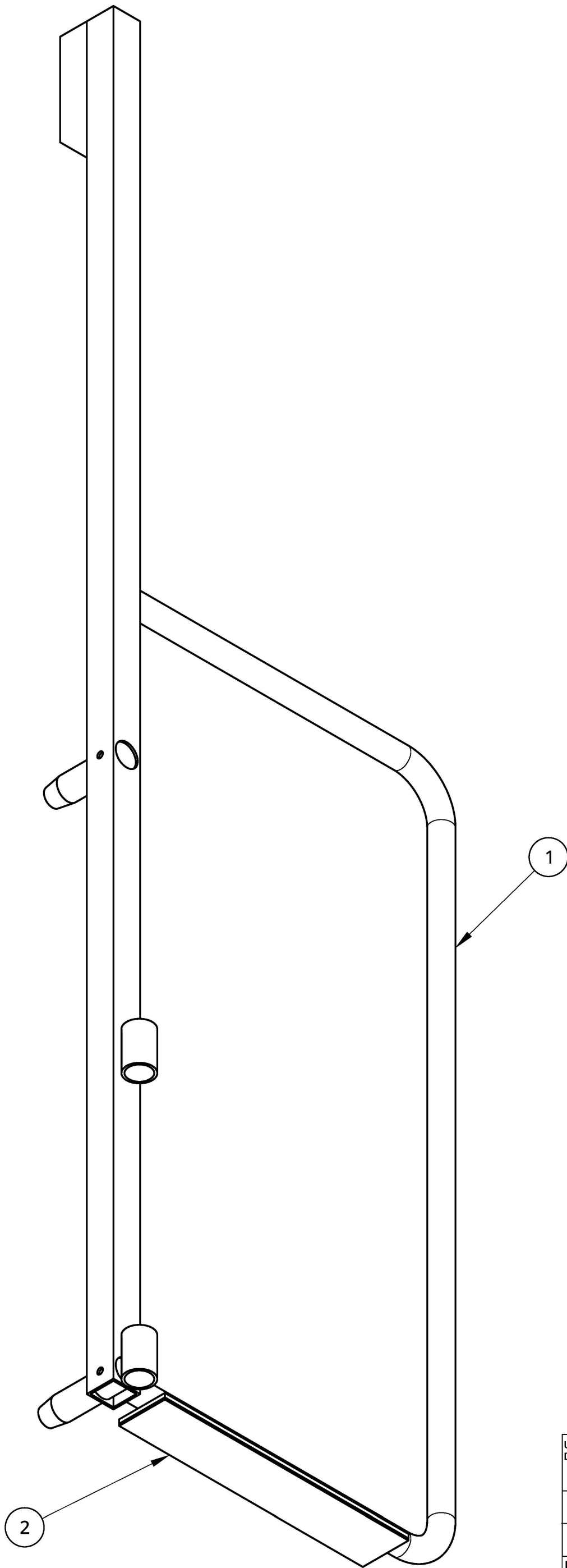
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Item	Quantity	Part number	Description
1	1	FE-00062	Corner Support, Left Weldment
2	1		Hook Tape, 3in Wide, 16in Long

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES XX = ±.01    ANGULAR = ± 1° XXX = ±.005	VEND	NAME	DATE			
	DRAWN	JO	12/24/2025			
DO NOT SCALE DRAWING	MATERIAL			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				CORNER SUPPORT, LEFT ASSEMBLY		
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	FE-00061	
	SCALE	1:5		SHEET	1 of 1	

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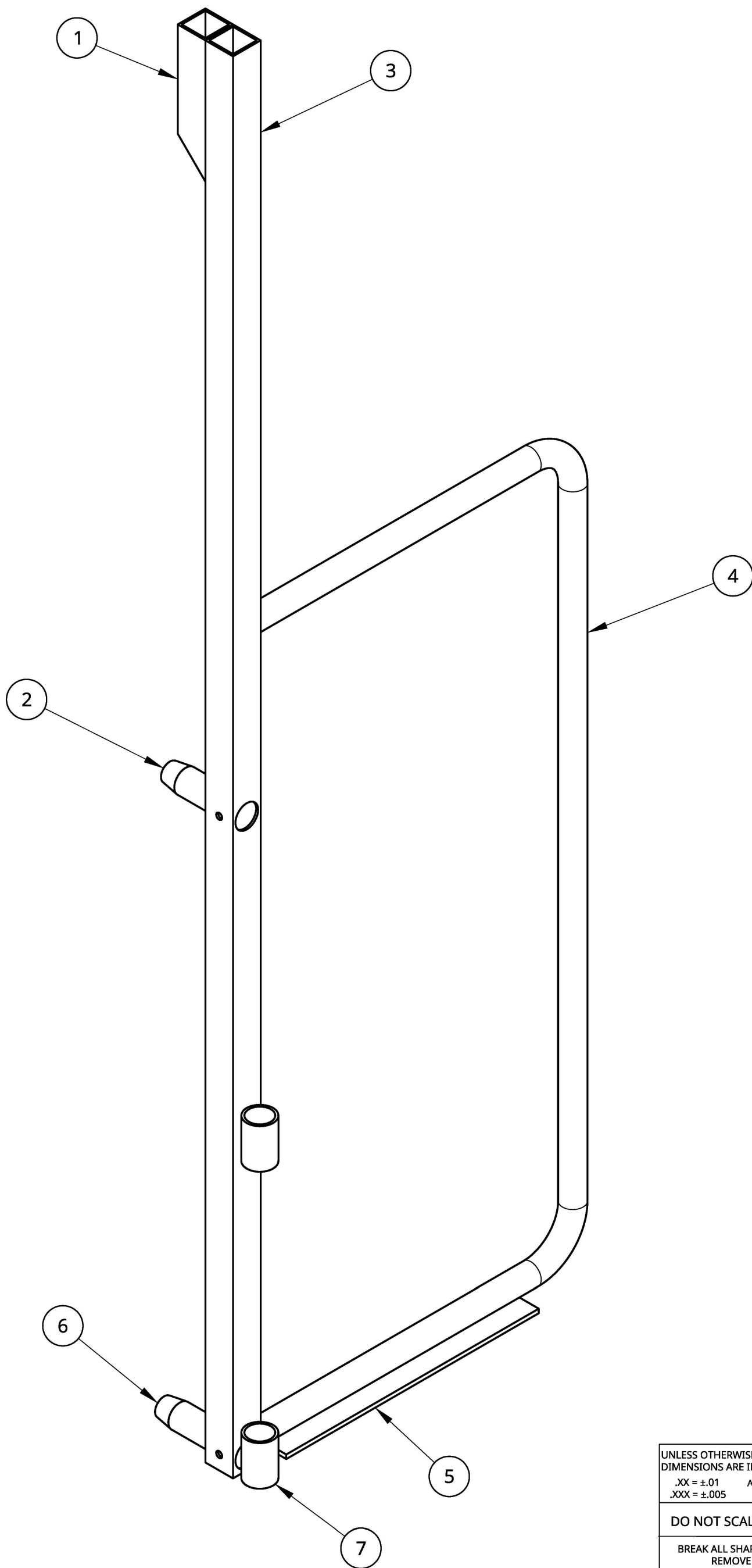
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Item	Quantity	Part number	Description
1	1	FE-00062-01	1 3/4" x 1 3/4" x 1/8" 6061 Aluminum Tubing
2	1	FE-00062-02	1 7/16" Dia. 6061 Aluminum Solid Rod
3	1	FE-00062-03	1 3/4" x 1 3/4" x 1/8" 6061 Aluminum Tubing
4	1	FE-00062-04	1" Schedule 40 Aluminum Tube
5	1	FE-00062-05	3" x 1/4" 6061 Aluminum Bar
6	1	FE-00062-06	1 7/16" Dia. 6061 Aluminum Solid Rod
7	2	FE-00062-07	1 1/4 Schedule 40 Aluminum Tube

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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PROHIBITED.

VEND  
DRAWN

NAME  
JO

DATE  
12/24/2025

MATERIAL



TITLE  
CORNER SUPPORT, LEFT WELDMENT

SIZE  
C

DWG NO.  
FE-00062

REV.

SCALE  
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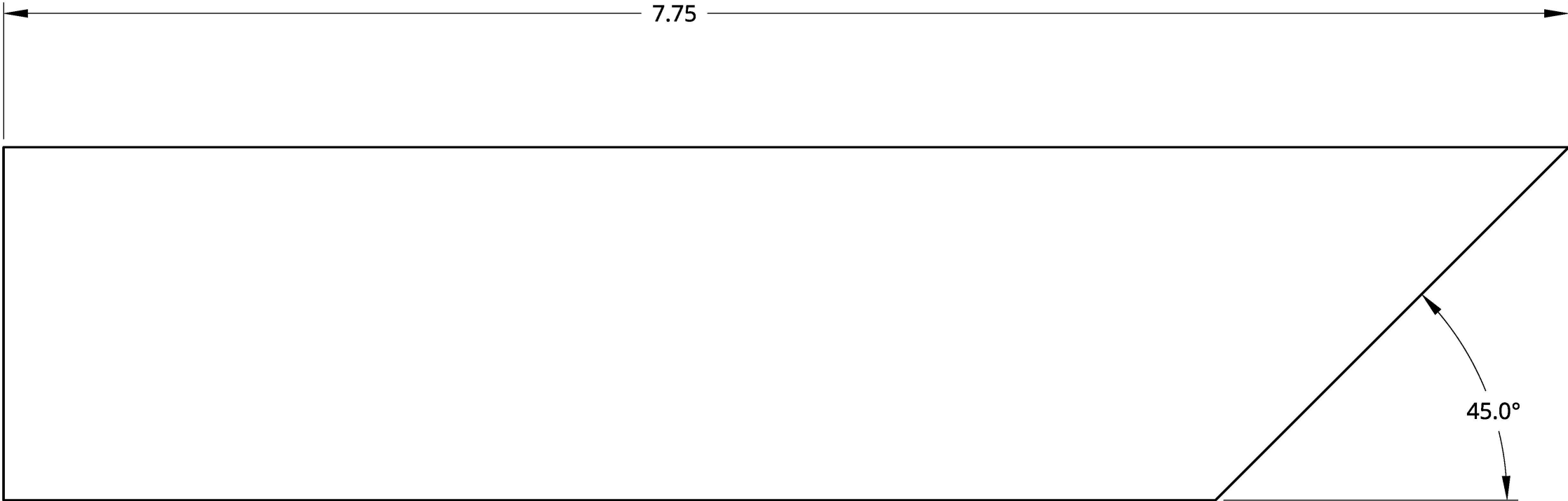
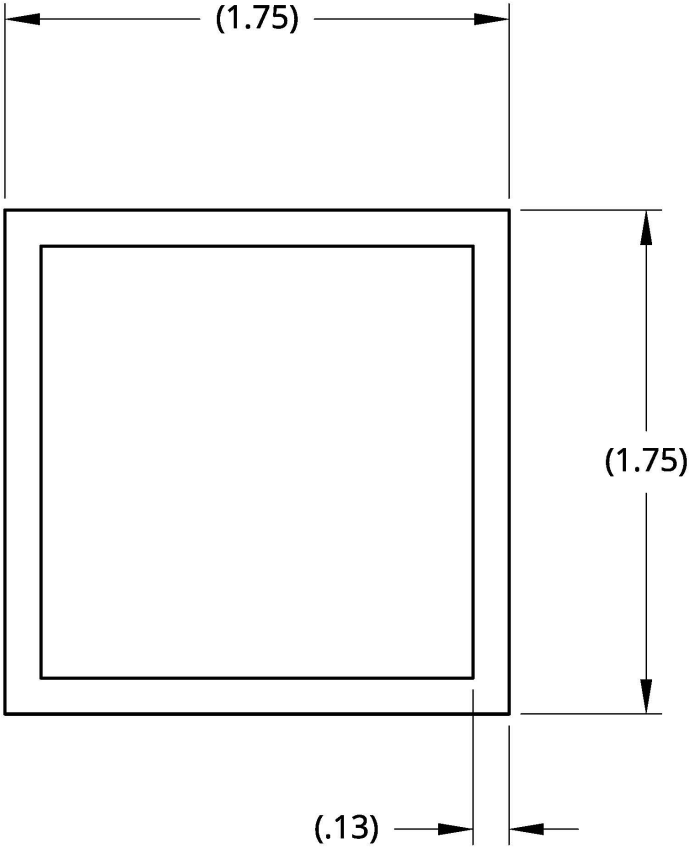
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES  .XX = ±.01    ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE			
	DRAWN	JO	12/24/2025			
DO NOT SCALE DRAWING	MATERIAL  1 3/4" X 1 3/4" X 1/8" 6061 ALUMINUM TUBING			TITLE  1 3/4" X 1 3/4" X 1/8" 6061 ALUMINUM TUBING		
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.  FE-00062-01	REV.  
				SCALE  1.5:1	SHEET  2 of 8	

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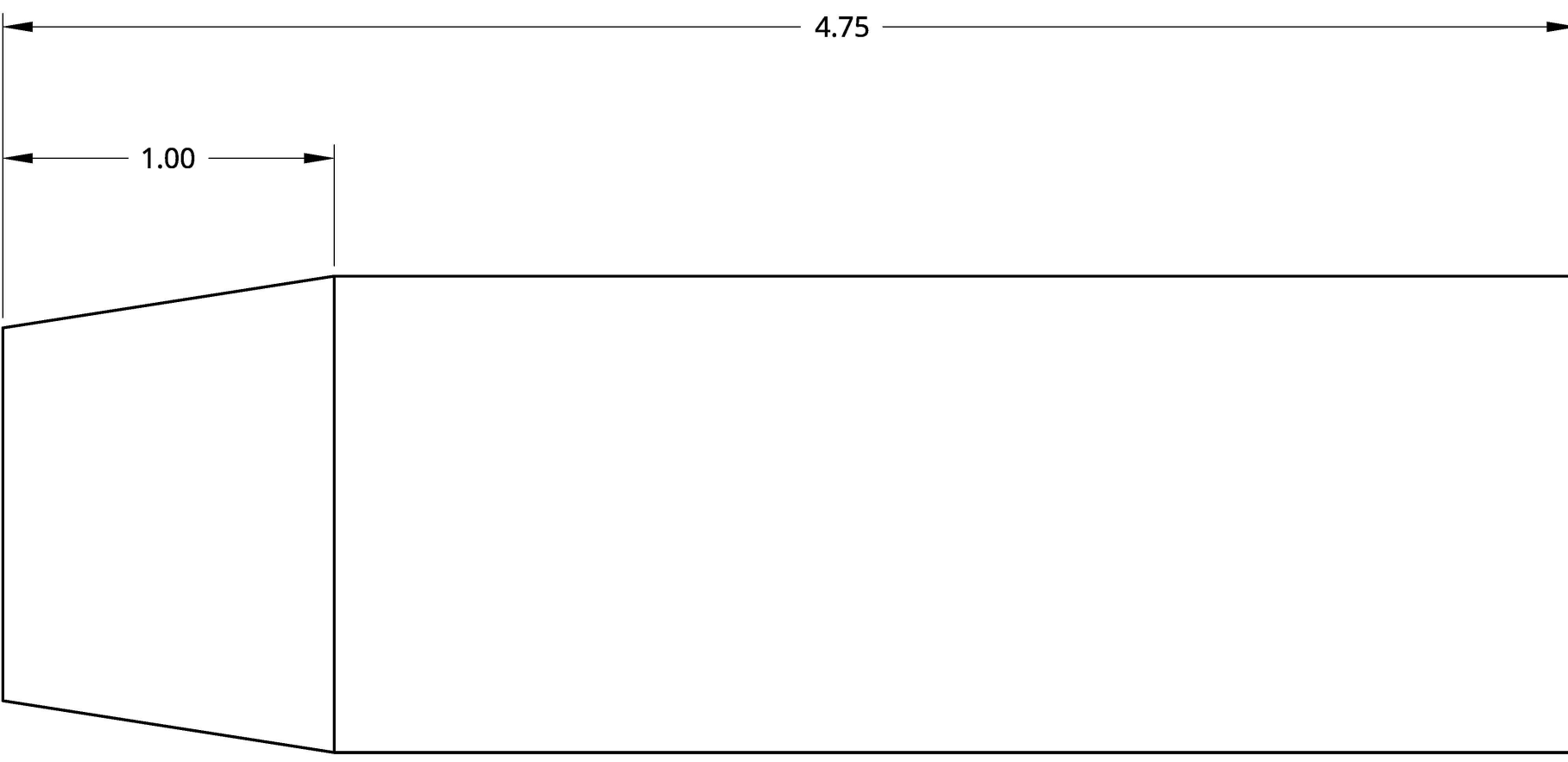
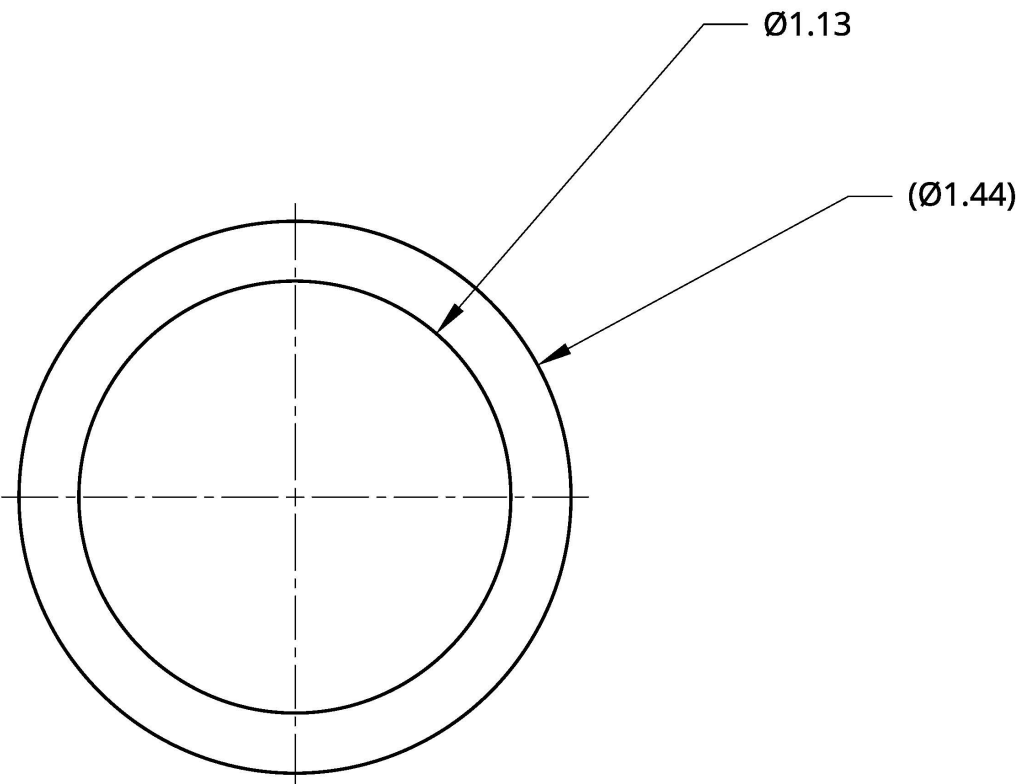
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES  .XX = ±.01    ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE				
	DRAWN	JO	12/24/2025				
DO NOT SCALE DRAWING	MATERIAL  1 7/16" DIA. 6061 ALUMINUM SOLID ROD			TITLE			
BREAK ALL SHARP EDGES AND REMOVE BURRS				1 7/16" DIA. 6061 ALUMINUM SOLID ROD			
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	FE-00062-02		
	SCALE			2:1	SHEET	4 of 8	

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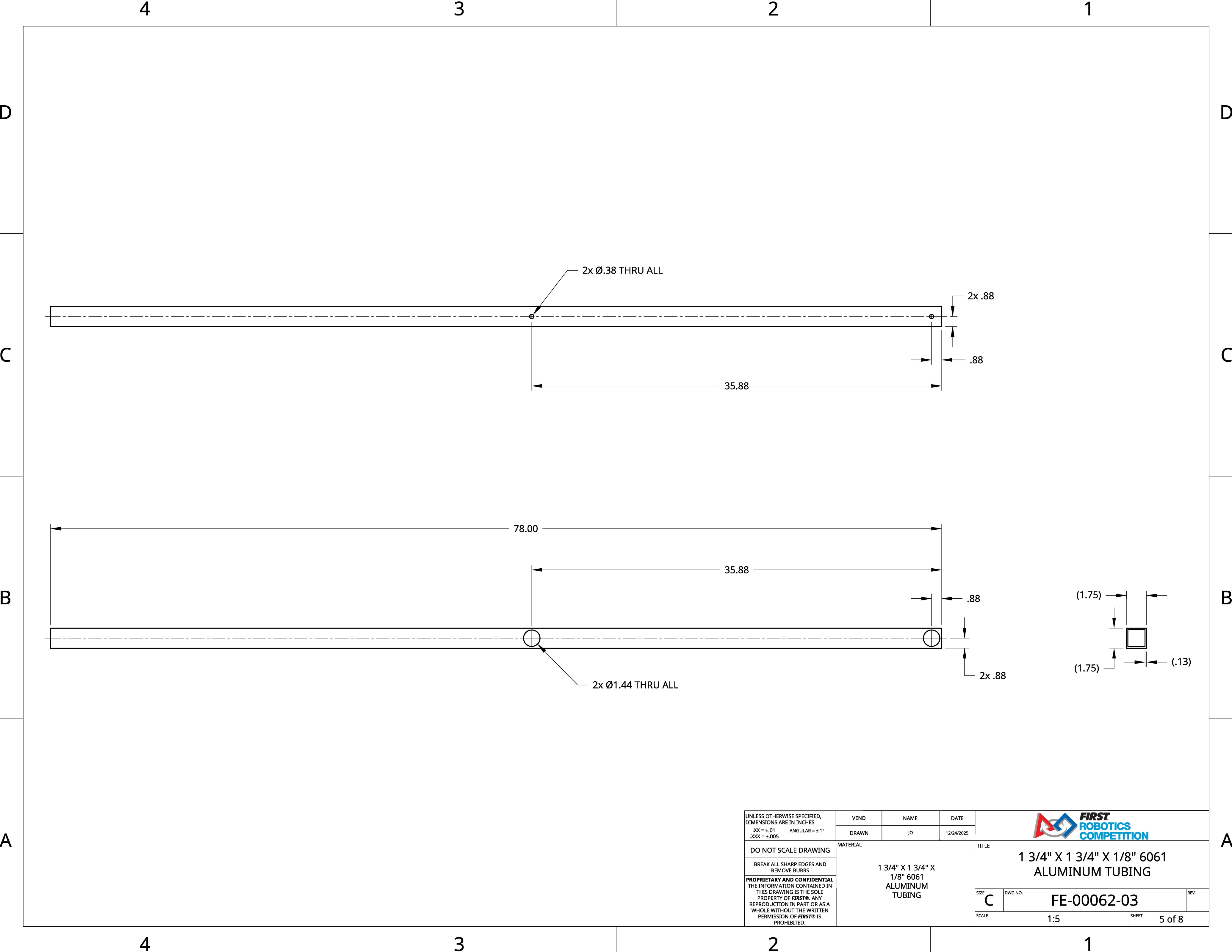
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01    ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE		
	DRAWN	JO	12/24/2025		
	MATERIAL			TITLE	
DO NOT SCALE DRAWING	1 3/4" X 1 3/4" X 1/8" 6061 ALUMINUM TUBING			1 3/4" X 1 3/4" X 1/8" 6061 ALUMINUM TUBING	
BREAK ALL SHARP EDGES AND REMOVE BURRS				SIZE C	DWG NO. FE-00062-03
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 1:5	REV. 5 of 8

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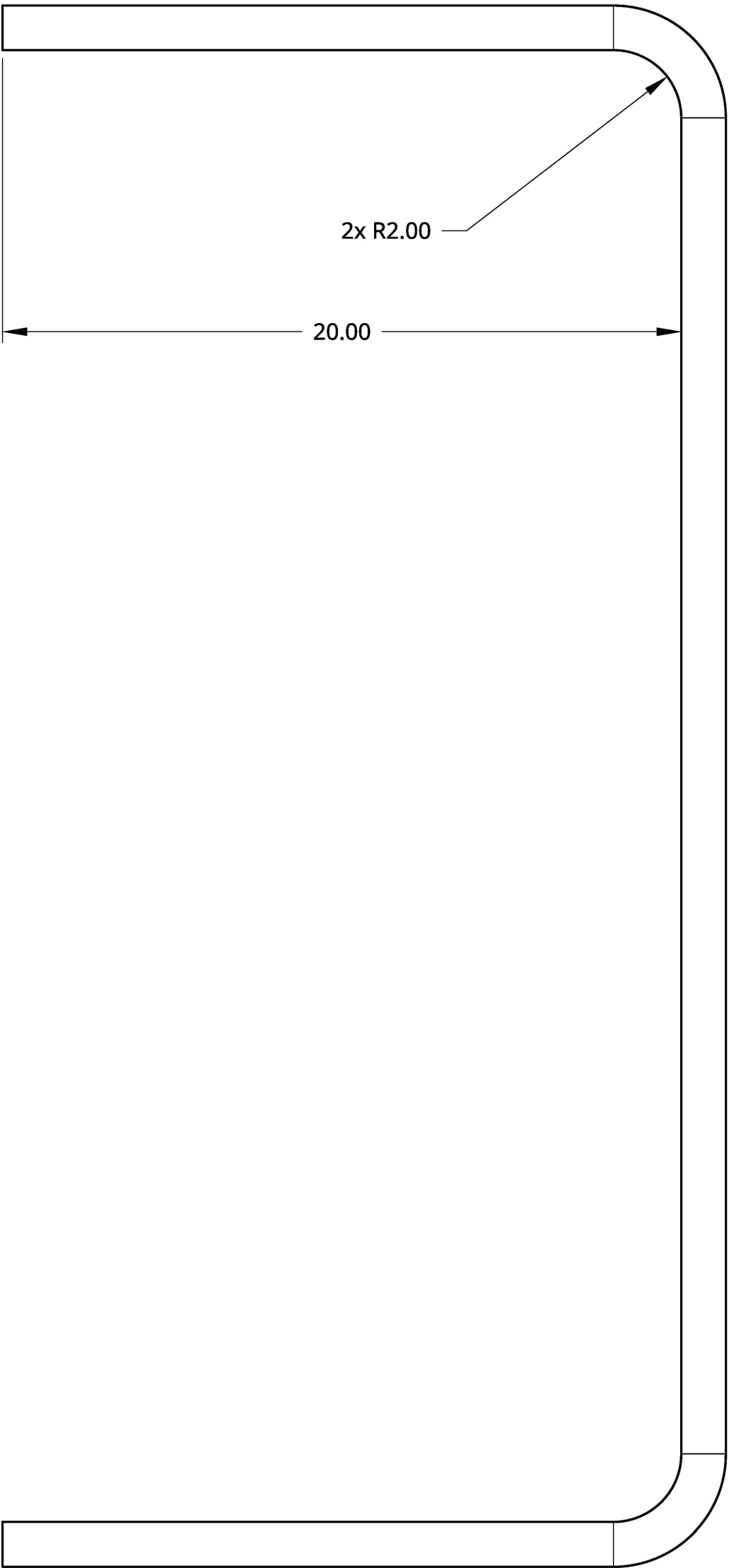
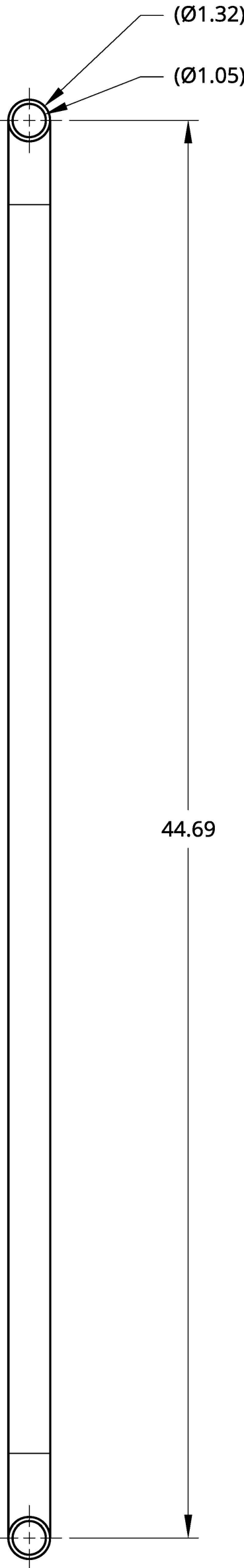
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01    ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE			
	DRAWN	JO	12/24/2025			
DO NOT SCALE DRAWING	MATERIAL  1" SCHEDULE 40 ALUMINUM TUBE			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				1" SCHEDULE 40 ALUMINUM TUBE		
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				C	FE-00062-04	
	SCALE	1:4	SHEET	6 of 8		

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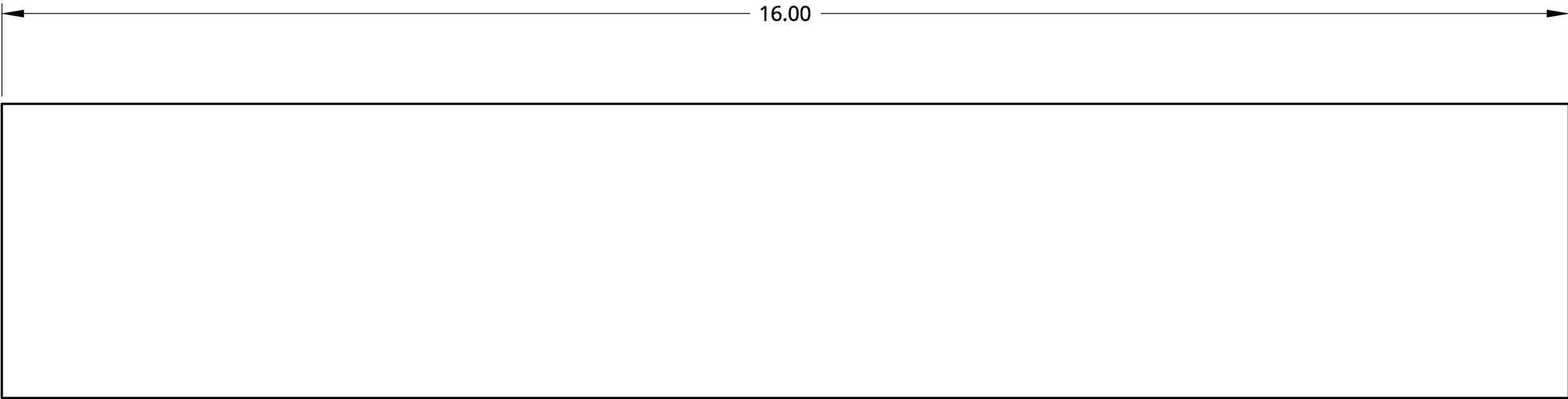
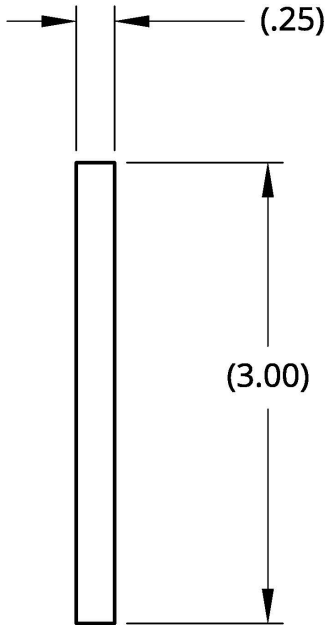
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01    ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE			
	DRAWN	JO	12/24/2025			
DO NOT SCALE DRAWING	MATERIAL  3" X 1/4" 6061 ALUMINUM BAR			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				3" X 1/4" 6061 ALUMINUM BAR		
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. FE-00062-05	REV.
				SCALE 1:1.25	SHEET 7 of 8	

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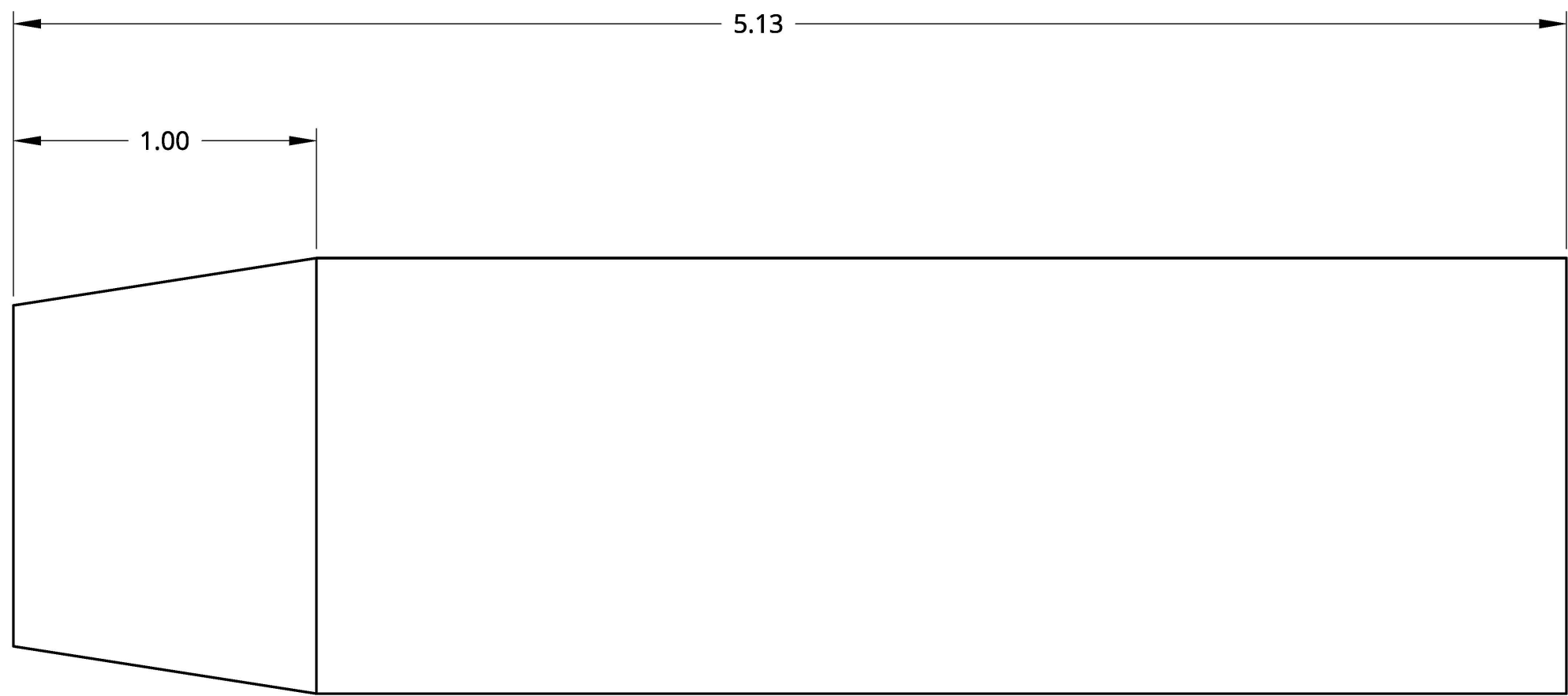
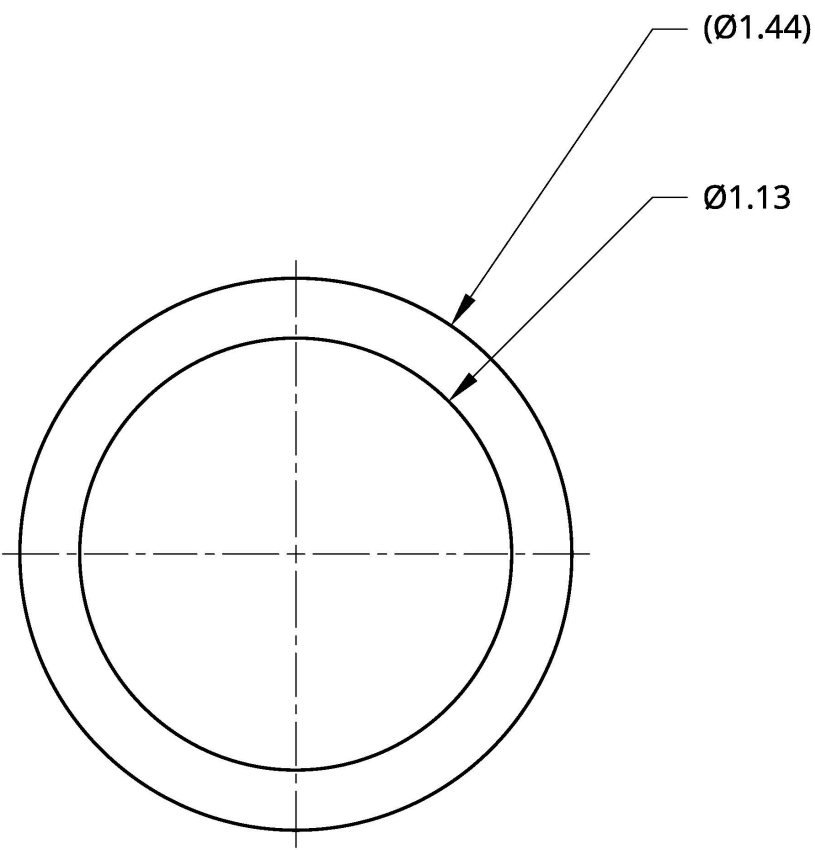
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES  .XX = ±.01    ANGULAR = ±1° .XXX = ±.005	VEND	NAME	DATE				
	DRAWN	JO	12/24/2025				
DO NOT SCALE DRAWING	MATERIAL  1 7/16" DIA. 6061 ALUMINUM SOLID ROD			TITLE  1 7/16" DIA. 6061 ALUMINUM SOLID ROD			
BREAK ALL SHARP EDGES AND REMOVE BURRS							
<b>PROPRIETARY AND CONFIDENTIAL</b> 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.  FE-00062-06	REV.  
				SCALE  2:1		SHEET  8 of 8	

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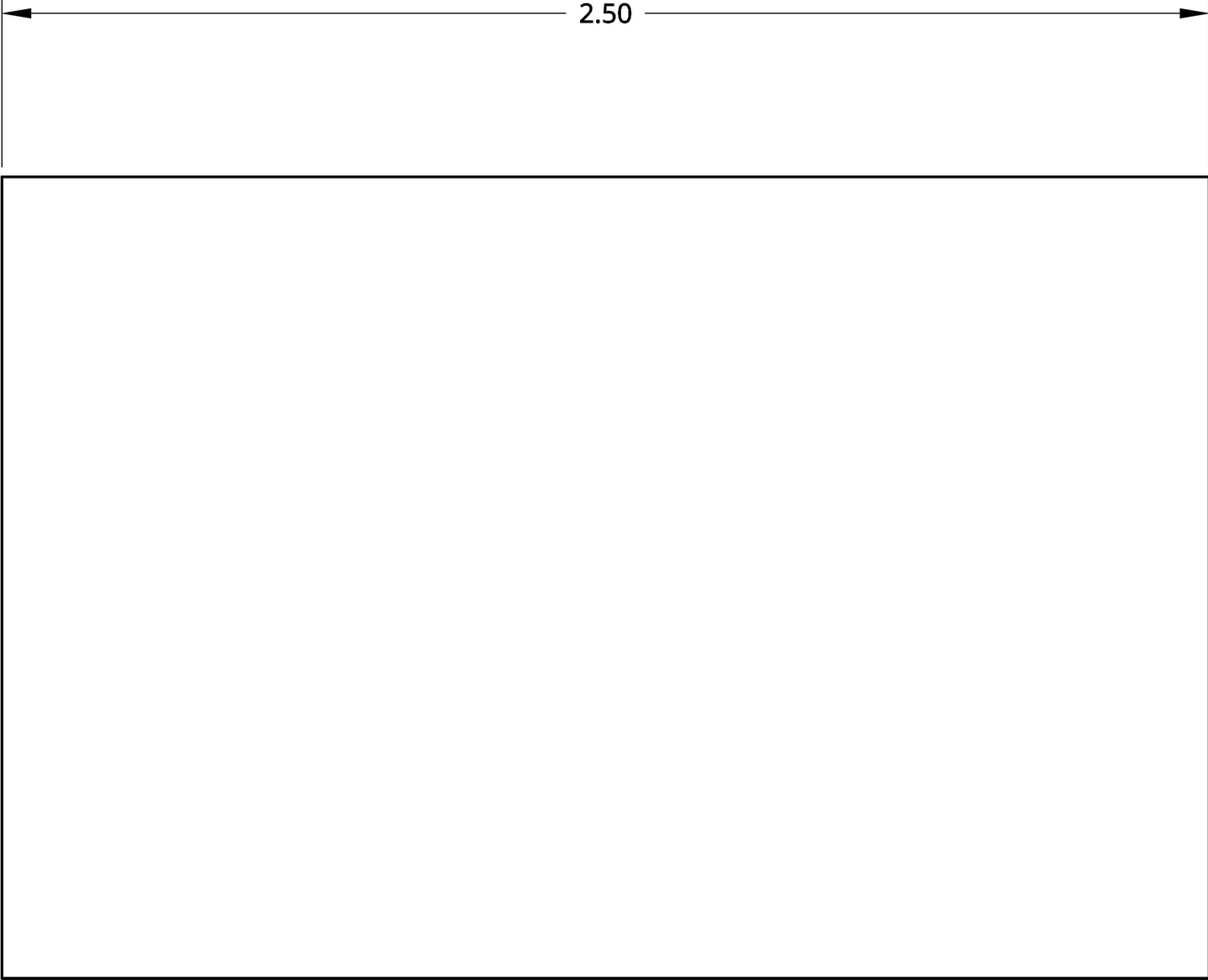
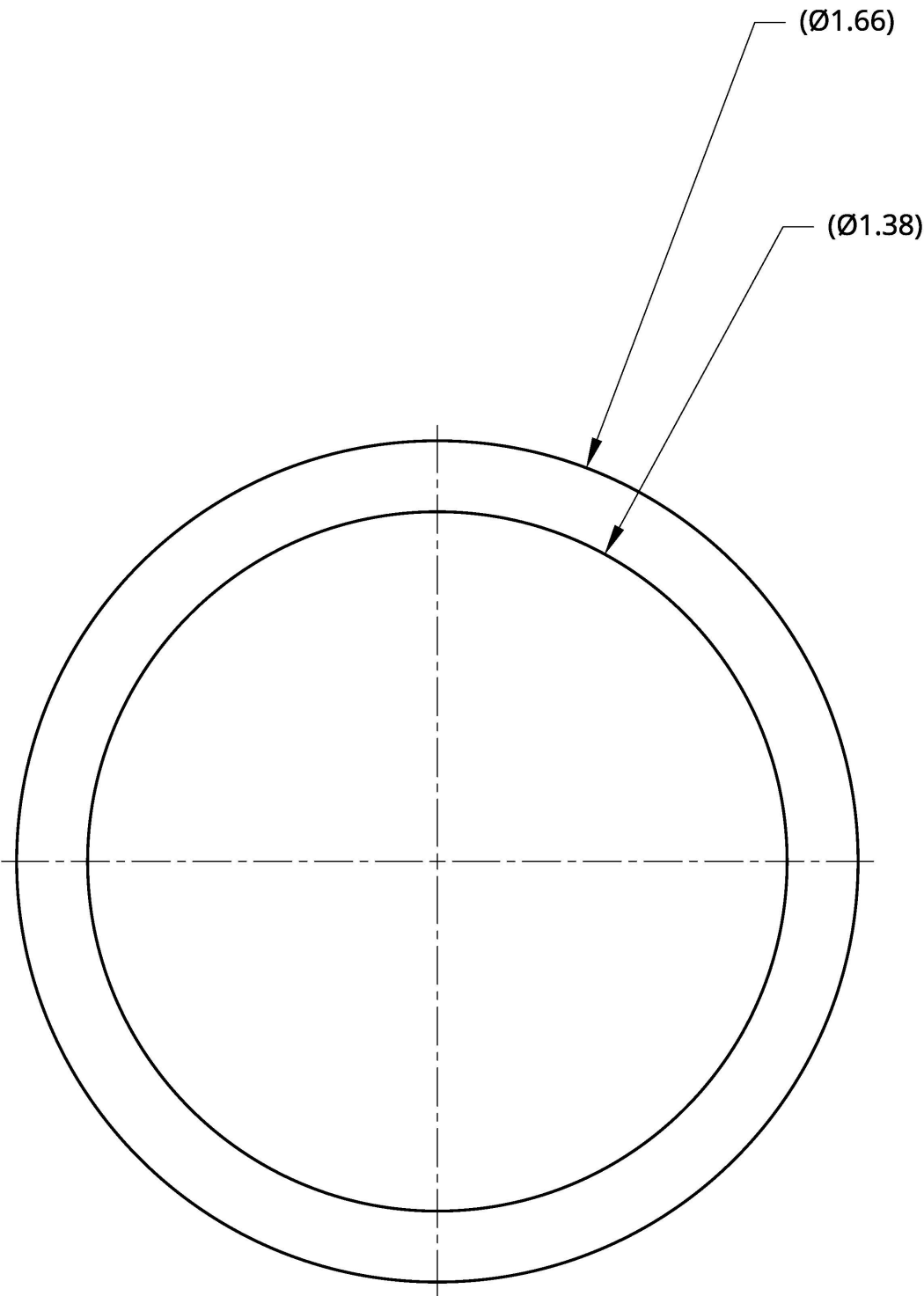
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01     ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE			
	DRAWN	JO	12/24/2025			
DO NOT SCALE DRAWING	MATERIAL  1 1/4 SCHEDULE 40 ALUMINUM TUBE			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				1 1/4 SCHEDULE 40 ALUMINUM 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	FE-00062-07	
	SCALE		3:1	SHEET	9 of 8	

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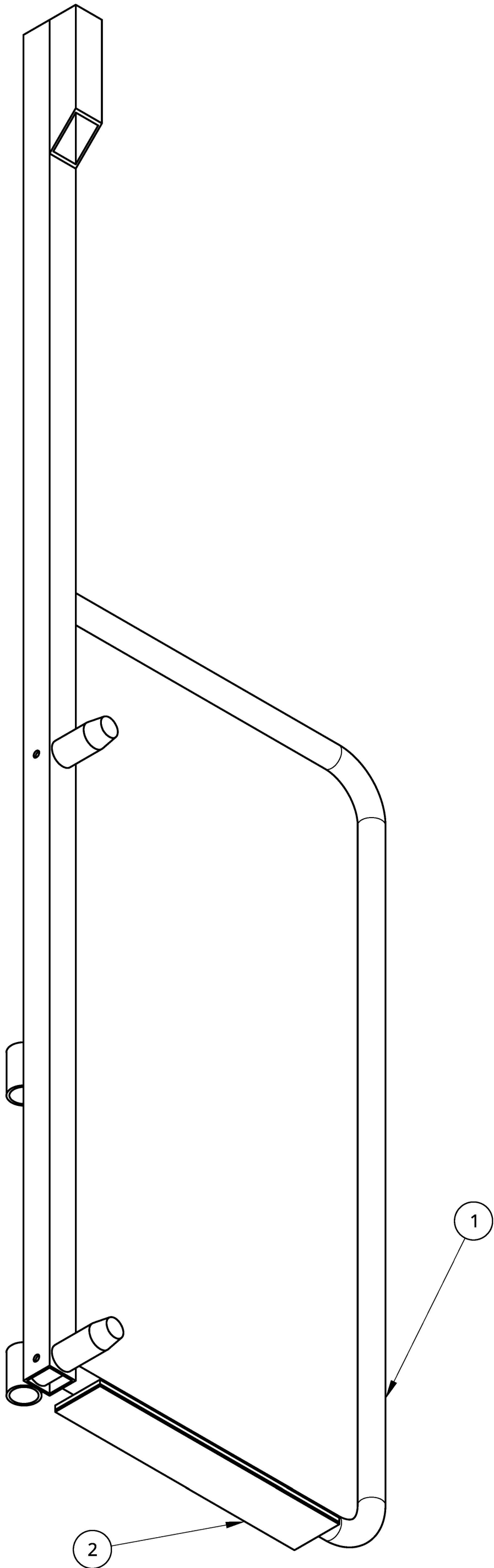
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DIMENSIONS ARE IN INCHES  
.XX = ±.01    ANGULAR = ± 1°  
.XXX = ±.005

DO NOT SCALE DRAWING

BREAK ALL SHARP EDGES AND  
REMOVE BURRS

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Item	Quantity	Part number	Description
1	1	FE-00064	Corner Support, Right Weldment
2	1		Hook Tape, 3in Wide, 16in Long

VEND	NAME	DATE		
DRAWN	JO	12/24/2025		
MATERIAL			TITLE	
			CORNER SUPPORT, RIGHT ASSEMBLY	
SIZE	DWG NO.	REV.		
C	FE-00063			
SCALE	1:5	SHEET	1 of 1	

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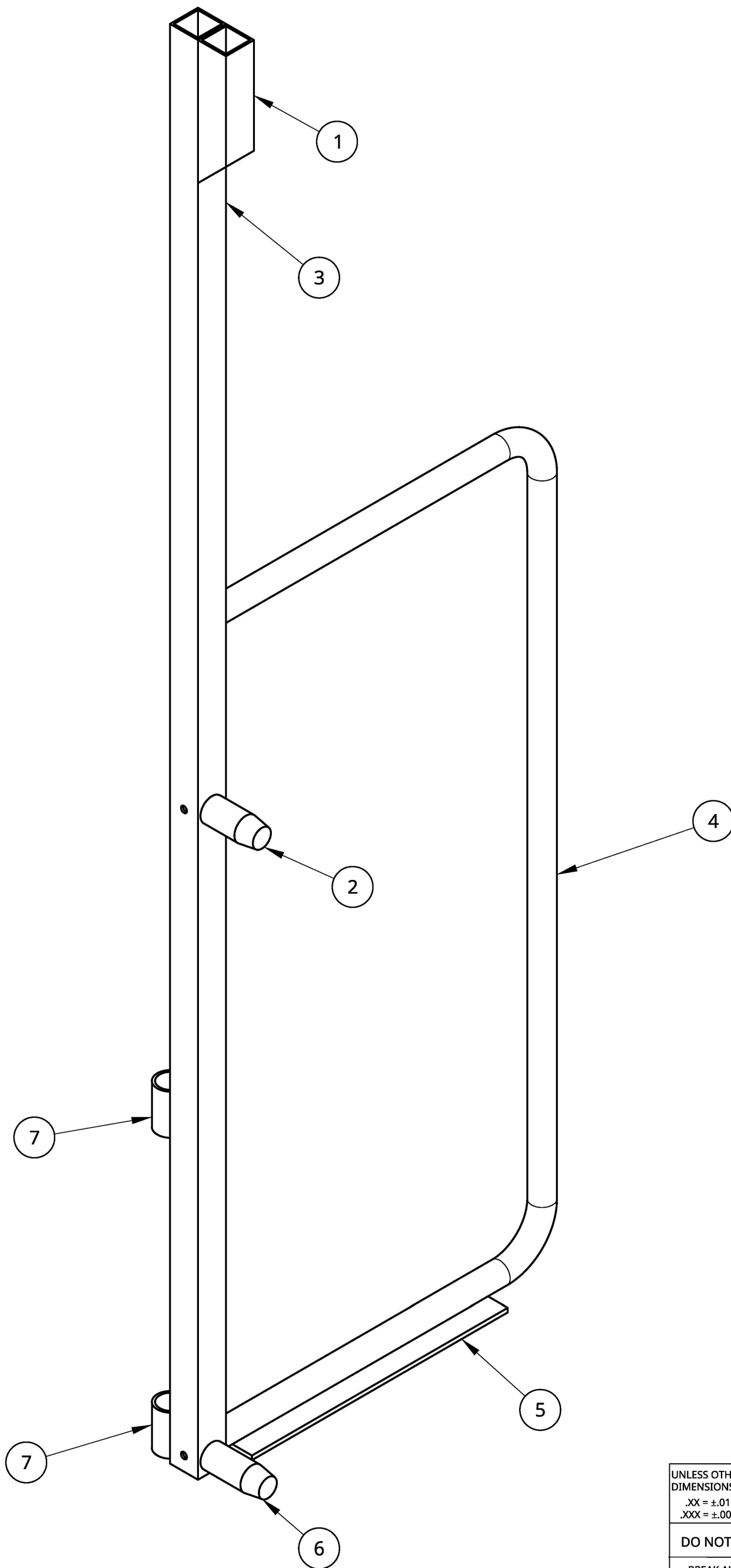
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Item	Quantity	Part number	Description
1	1	FE-00064-01	1 3/4" x 1 3/4" x 1/8" 6061 Aluminum Tubing
2	1	FE-00064-02	1 7/16" Dia. 6061 Aluminum Solid Rod
3	1	FE-00064-03	1 3/4" x 1 3/4" x 1/8" 6061 Aluminum Tubing
4	1	FE-00064-04	1" Schedule 40 Aluminum Tube
5	1	FE-00064-05	3" x 1/4" 6061 Aluminum Bar
6	1	FE-00064-06	1 7/16" Dia. 6061 Aluminum Solid Rod
7	2	FE-00064-07	1 1/4" Schedule 40 Aluminum Tube

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01    ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE		
	DRAWN	JO	12/24/2025		
DO NOT SCALE DRAWING	MATERIAL			TITLE	
BREAK ALL SHARP EDGES AND REMOVE BURRS				CORNER SUPPORT, RIGHT 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. FE-00064
				SCALE 1:5	SHEET 1 of 8

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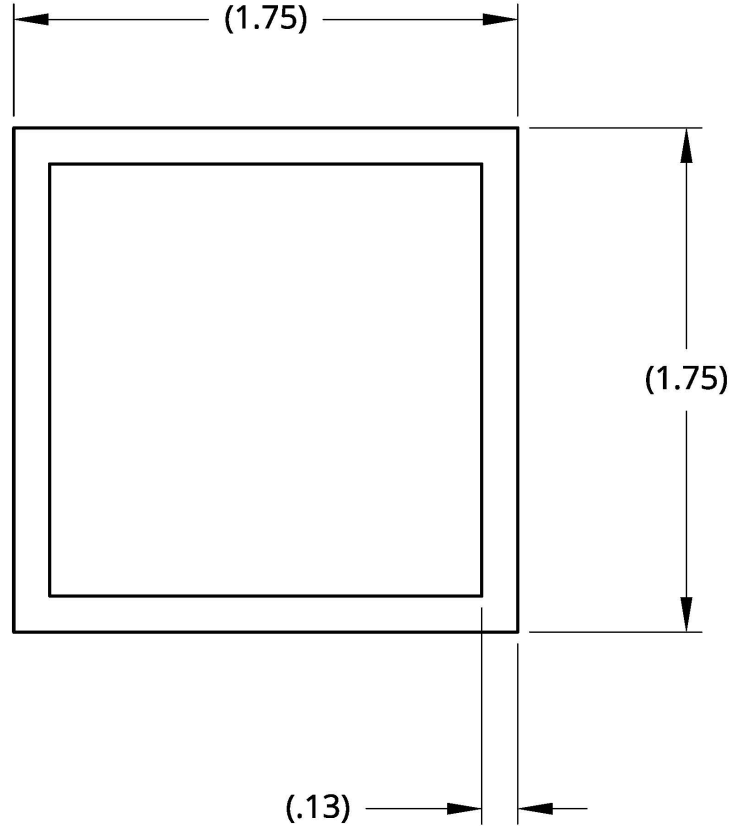
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01    ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE		
	DRAWN	JO	12/24/2025		
	MATERIAL			TITLE	
DO NOT SCALE DRAWING	1 3/4" X 1 3/4" X 1/8" 6061 ALUMINUM TUBING			1 3/4" X 1 3/4" X 1/8" 6061 ALUMINUM TUBING	
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. FE-00064-01	SHEET 2 of 8

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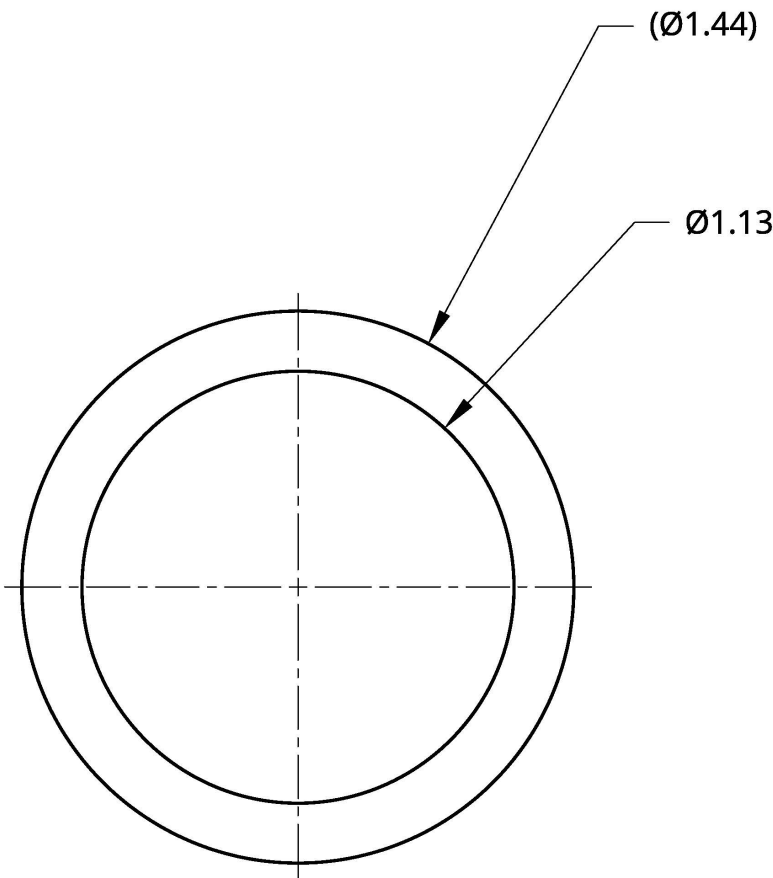
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES  .XX = ±.01    ANGULAR = ±1° .XXX = ±.005	VEND	NAME	DATE				
	DRAWN	JO	12/24/2025				
DO NOT SCALE DRAWING	MATERIAL  1 7/16" DIA. 6061 ALUMINUM SOLID ROD			TITLE  1 7/16" DIA. 6061 ALUMINUM SOLID ROD			
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.  FE-00064-02	REV.  
				SCALE  2:1		SHEET  4 of 8	

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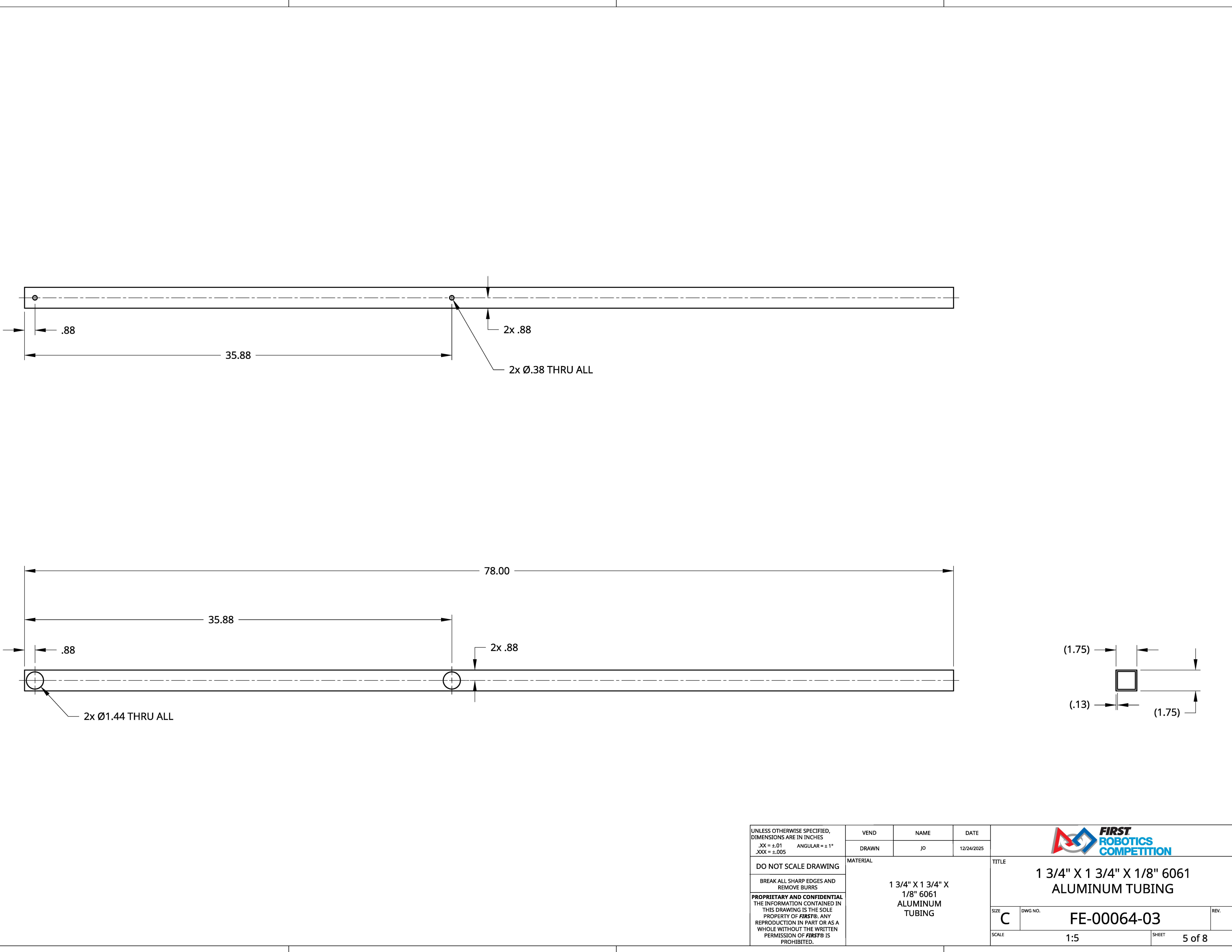
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01     ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE			
	DRAWN	JO	12/24/2025			
DO NOT SCALE DRAWING	MATERIAL  1 3/4" X 1 3/4" X 1/8" 6061 ALUMINUM TUBING			TITLE  1 3/4" X 1 3/4" X 1/8" 6061 ALUMINUM TUBING		
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 <b>C</b>	DWG NO. <b>FE-00064-03</b>	REV.
				SCALE <b>1:5</b>	SHEET <b>5 of 8</b>	

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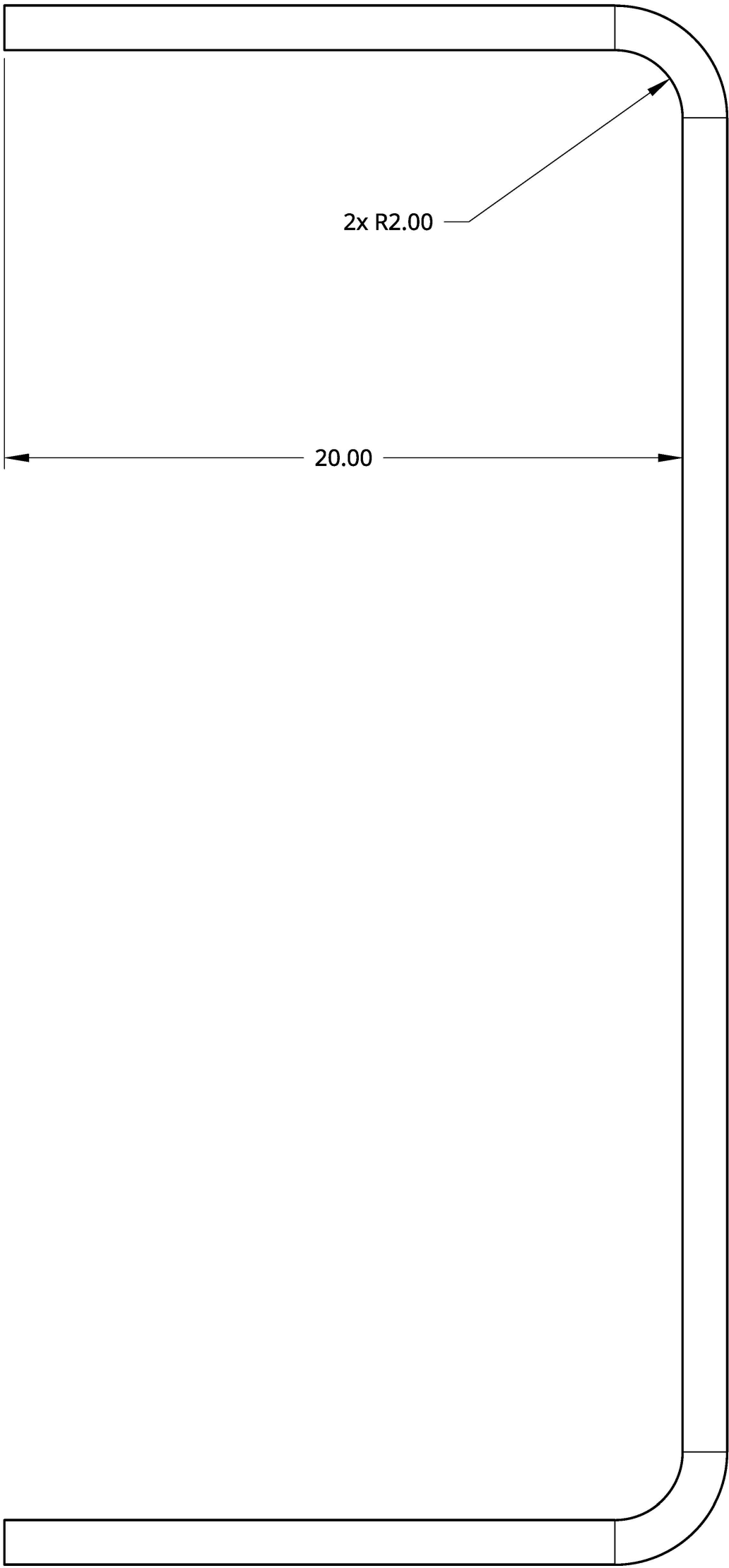
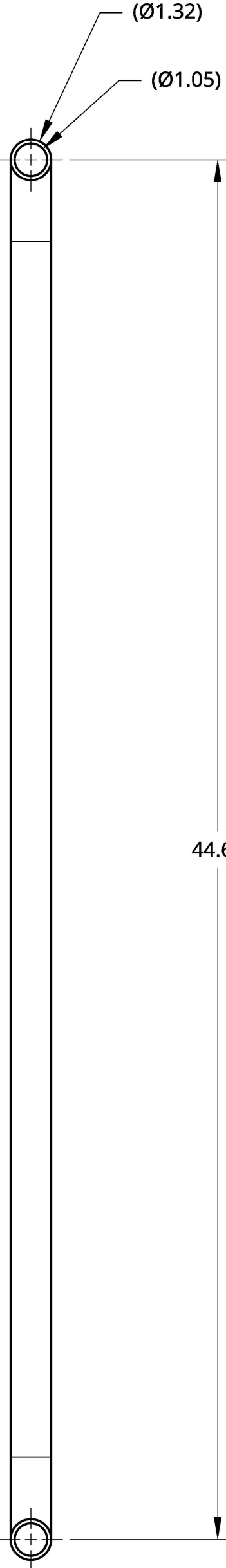
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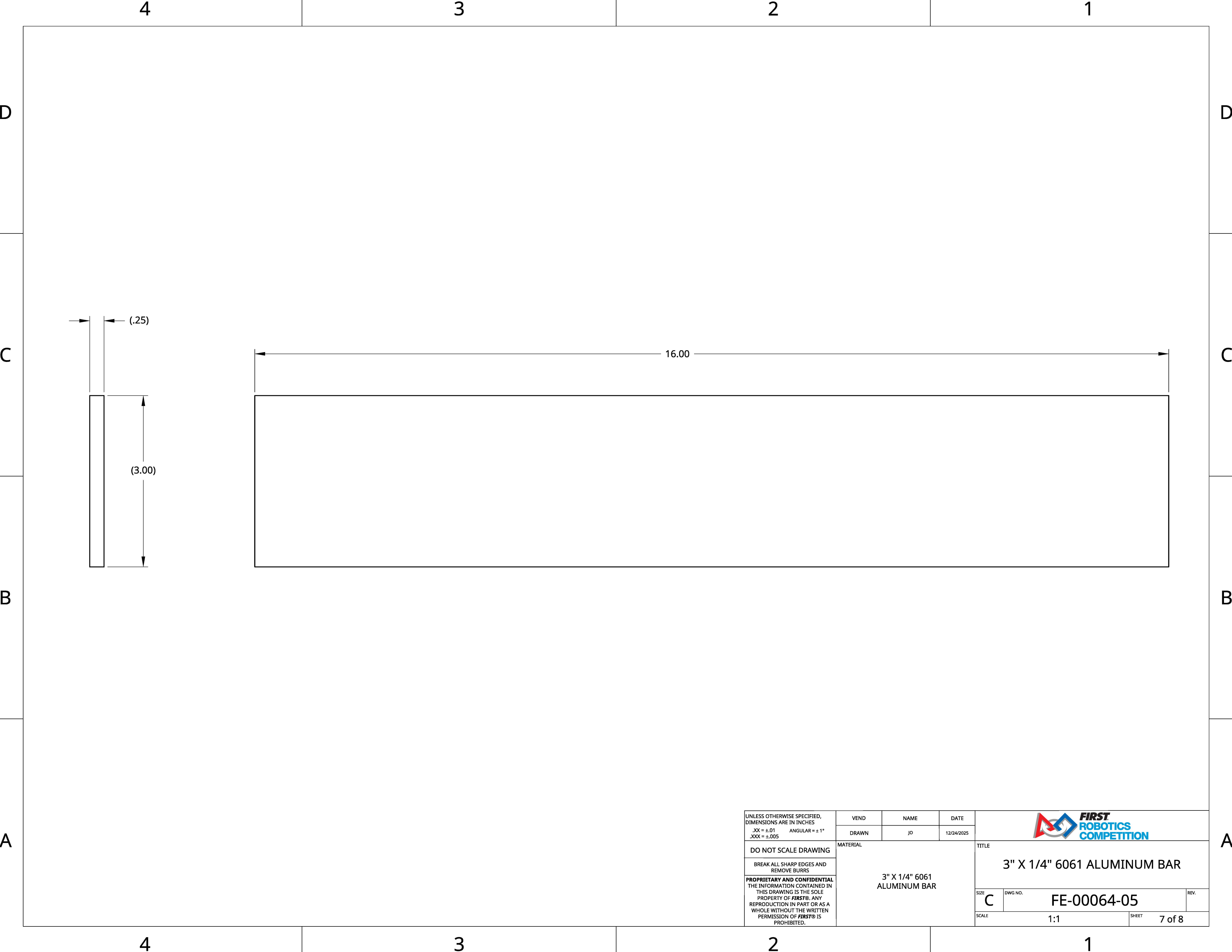
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01    ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE			
	DRAWN	JO	12/24/2025			
DO NOT SCALE DRAWING	MATERIAL  1" SCHEDULE 40 ALUMINUM TUBE			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				1" SCHEDULE 40 ALUMINUM TUBE		
PROPRIETARY AND CONFIDENTIAL 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	FE-00064-04	
	SCALE 1:4		SHEET 6 of 8			


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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01    ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE		
	DRAWN	JO	12/24/2025		
	MATERIAL			TITLE	
DO NOT SCALE DRAWING	3" X 1/4" 6061 ALUMINUM BAR			3" X 1/4" 6061 ALUMINUM BAR	
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.				SCALE 1:1	SHEET 7 of 8



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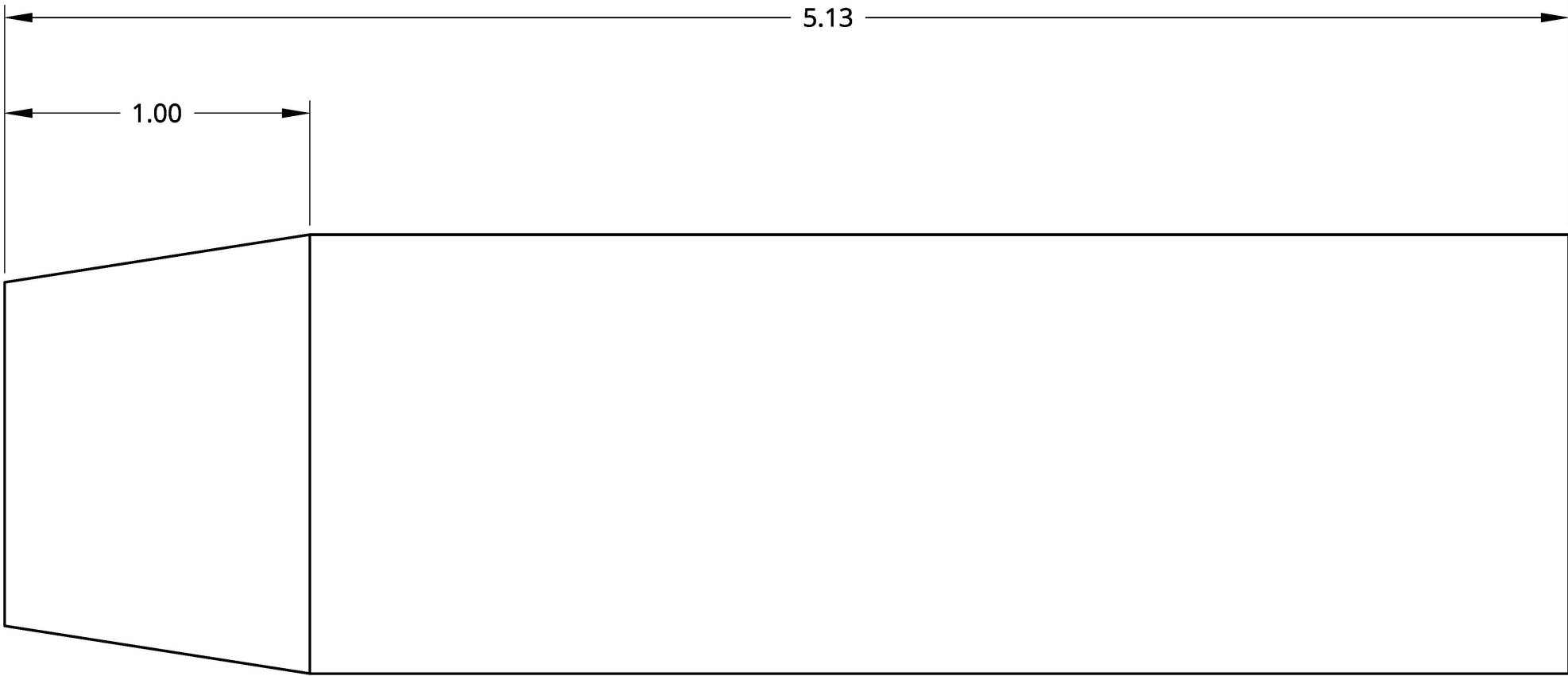
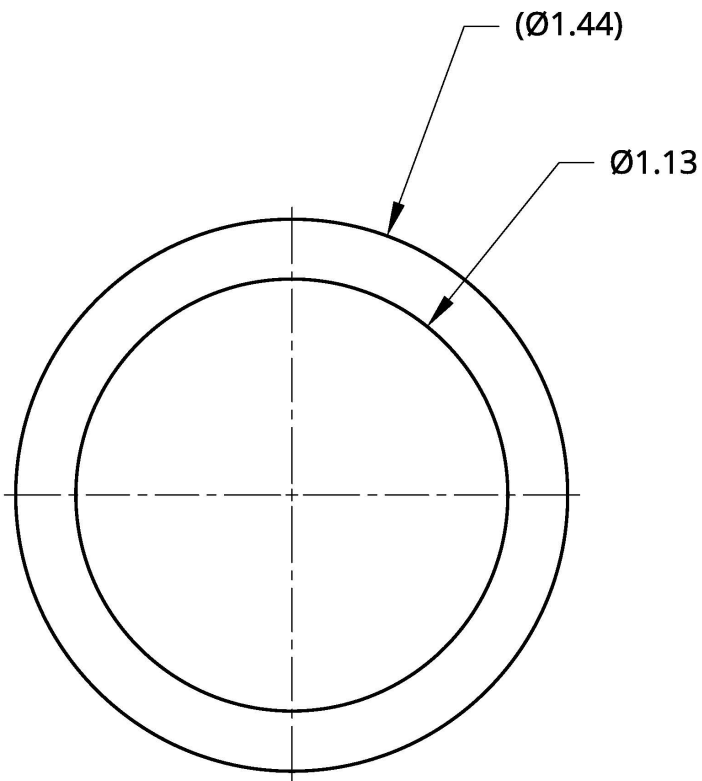
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES  .XX = ±.01    ANGULAR = ±1° .XXX = ±.005	VEND	NAME	DATE			
	DRAWN	JO	12/24/2025			
DO NOT SCALE DRAWING	MATERIAL  1 7/16" DIA. 6061 ALUMINUM SOLID ROD			TITLE  1 7/16" DIA. 6061 ALUMINUM SOLID ROD		
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.  FE-00064-06	REV.  
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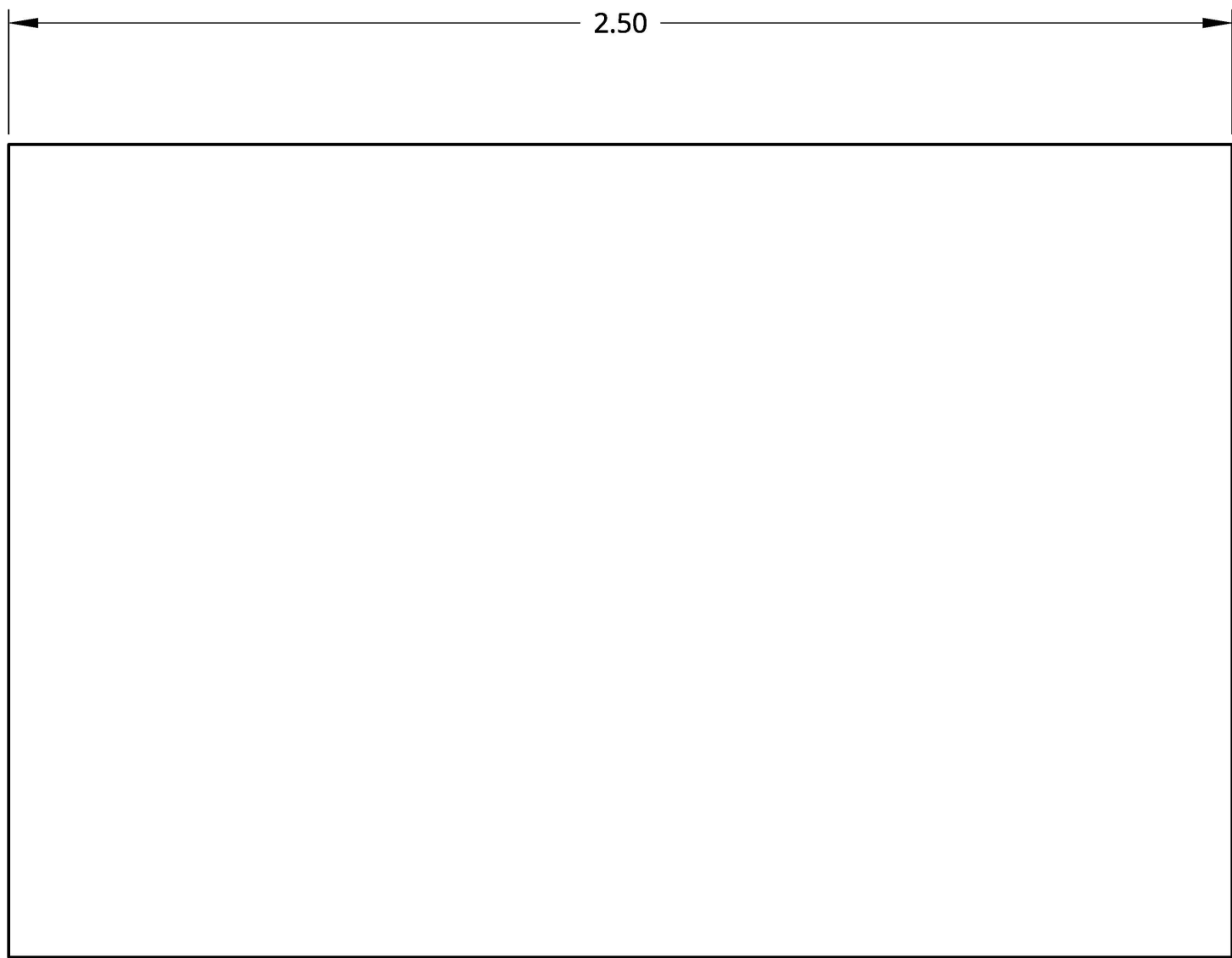
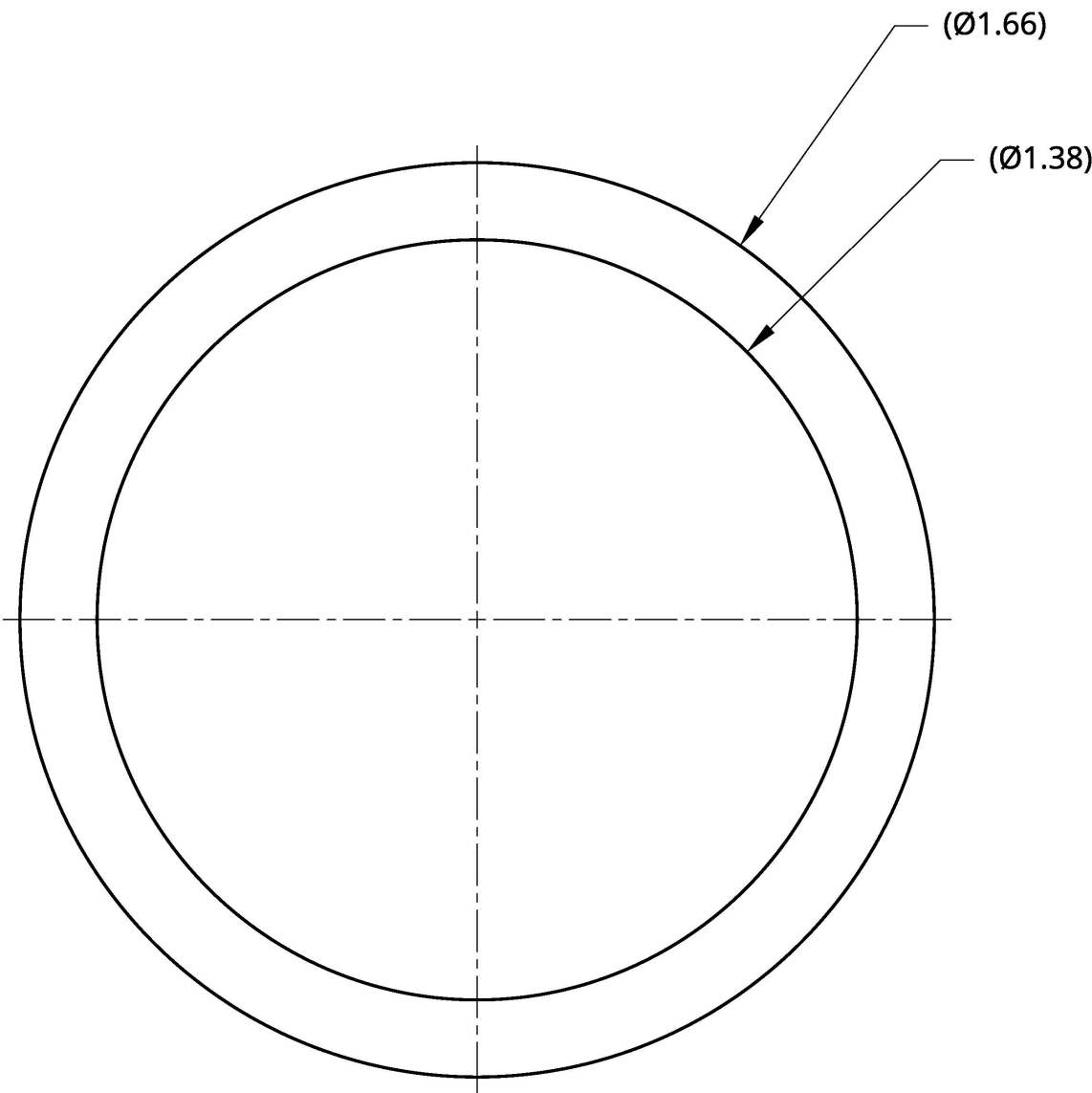
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES XX = ±.01    ANGULAR = ± 1° XXX = ±.005	VEND	NAME	DATE			
	DRAWN	JO	12/24/2025			
DO NOT SCALE DRAWING	MATERIAL  1 1/4 SCHEDULE 40 ALUMINUM TUBE			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				1 1/4 SCHEDULE 40 ALUMINUM 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	FE-00064-07	
	SCALE		3:1	SHEET	9 of 8	

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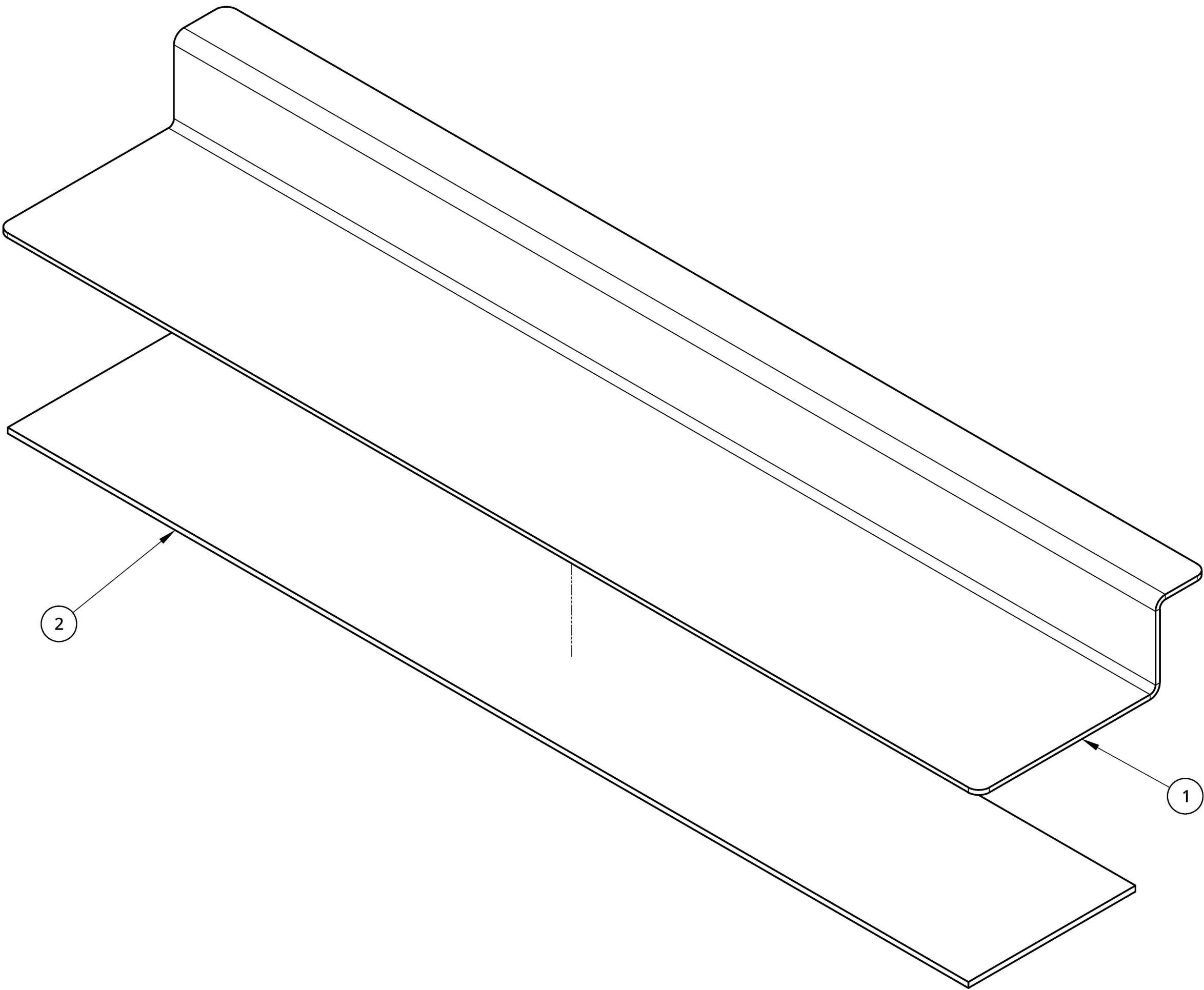
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Item	Quantity	Part number	Description
1	1	FE-00070	Field Border Anchor Base
2	1		Hook Tape, 4in Wide, 23in Long

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01    ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE		
	DRAWN	JO	10/08/2025		
DO NOT SCALE DRAWING	MATERIAL			TITLE	
BREAK ALL SHARP EDGES AND REMOVE BURRS				FIELD BORDER ANCHOR	
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 3:5			SHEET 1 of 2	

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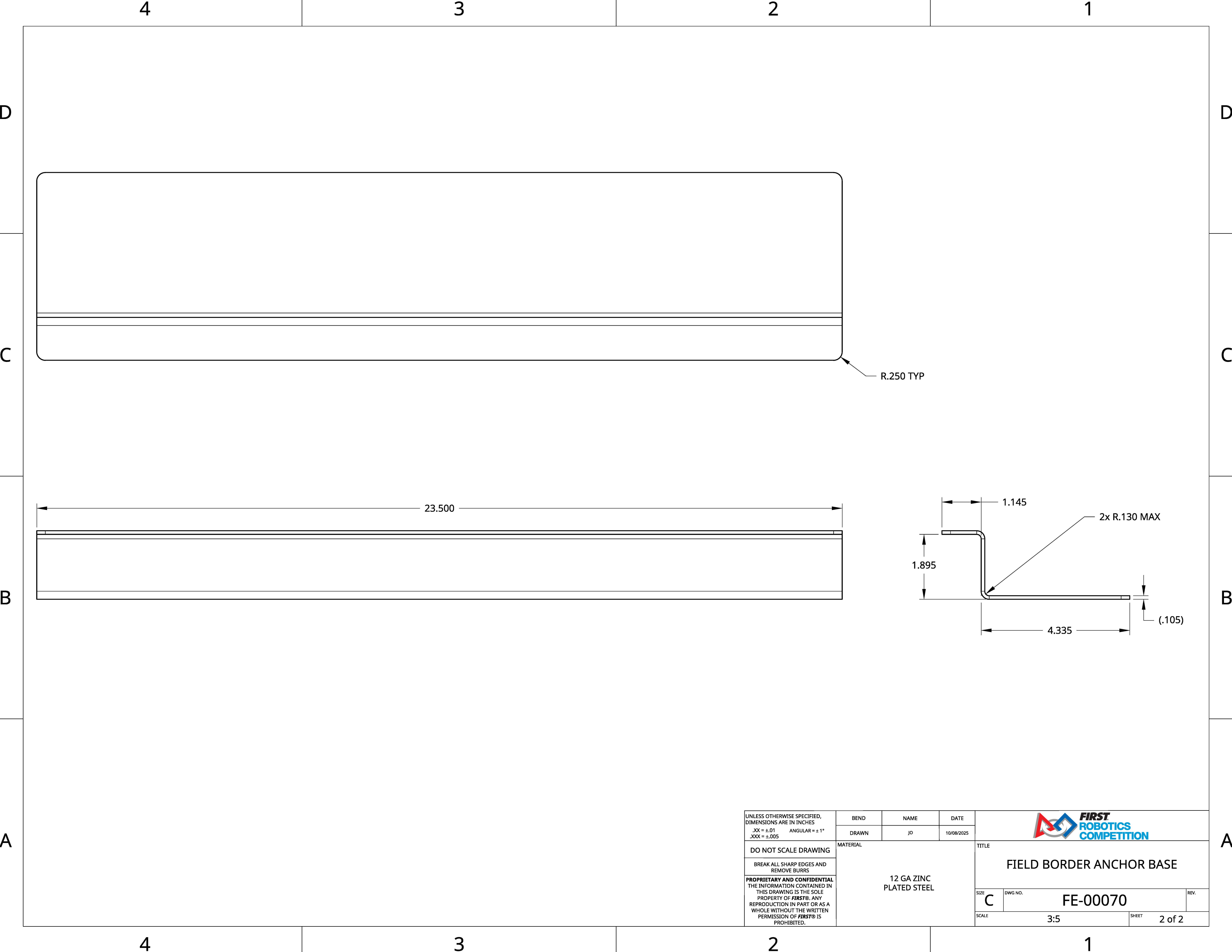
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01    ANGULAR = ± 1° .XXX = ±.005	BEND	NAME	DATE			
	DRAWN	JO	10/08/2025			
DO NOT SCALE DRAWING	MATERIAL  12 GA ZINC PLATED STEEL			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				FIELD BORDER ANCHOR 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	DWG NO. FE-00070	REV.
				SCALE 3:5		SHEET 2 of 2

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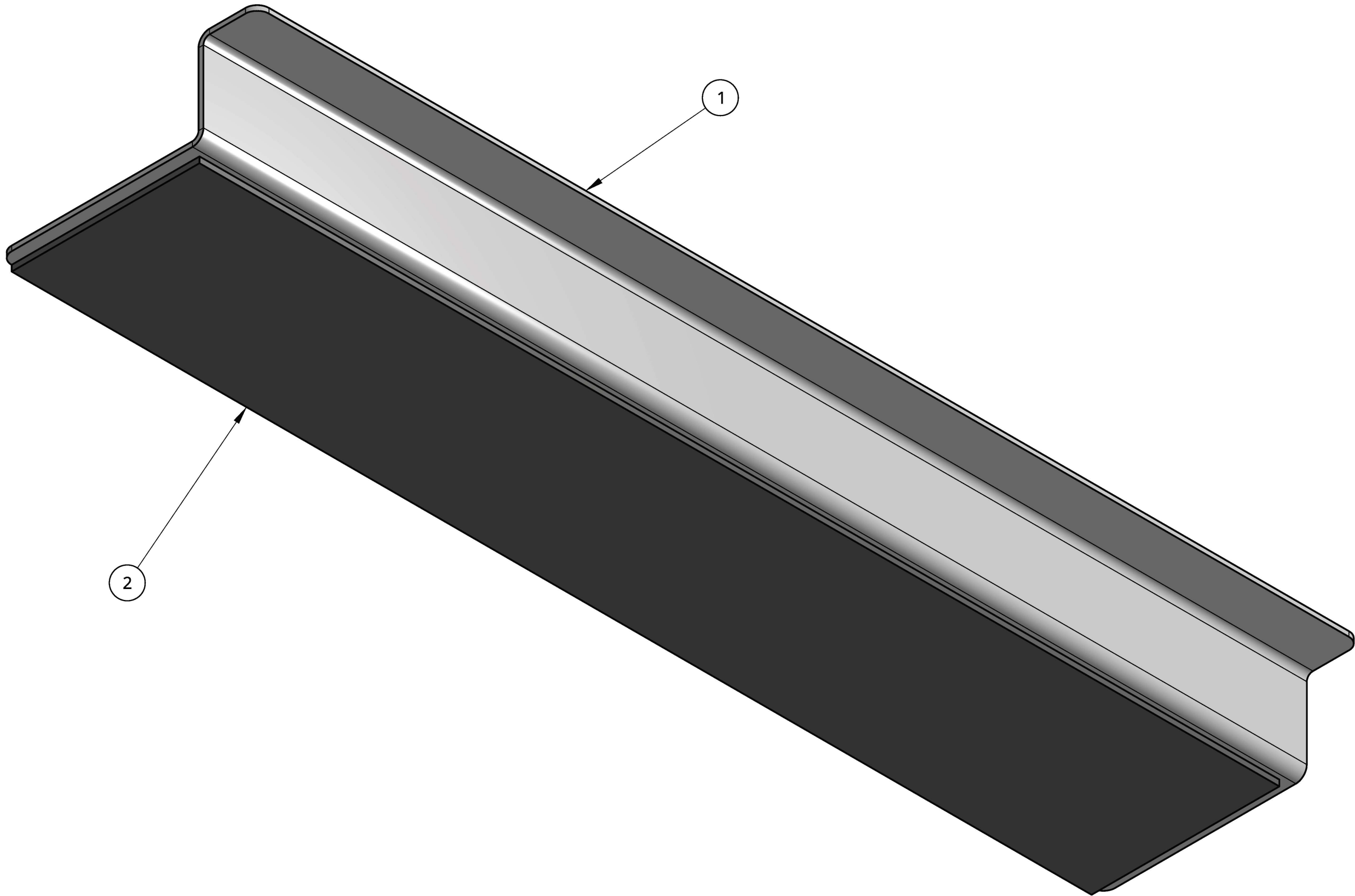
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Item	Quantity	Part number	Description
1	1	FE-00070	Field Border Anchor Base
2	1		Hook Tape, 4in Wide, 23in Long

<div>UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01    ANGULAR = ± 1° .XXX = ±.005</div> <div>DO NOT SCALE DRAWING</div> <div>BREAK ALL SHARP EDGES AND REMOVE BURRS</div> <div>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.</div>	VEND	NAME	DATE	<div></div>	
	DRAWN	JO	12/23/2025		
	MATERIAL			TITLE	
				FIELD BORDER ANCHOR	
SIZE		DWG NO.		REV.	
C		FE-00071			
SCALE			1:1.5		SHEET 1 of 1

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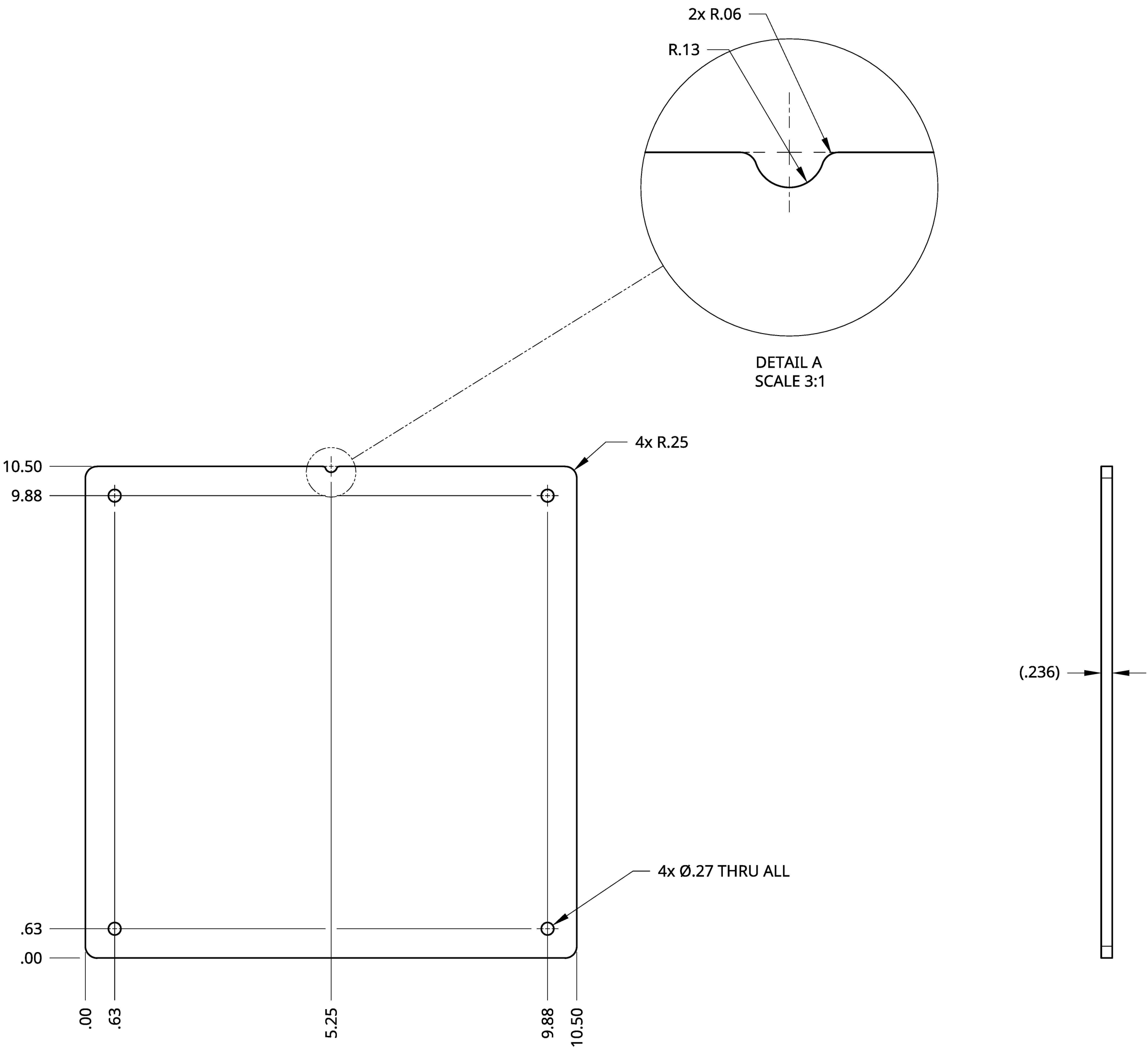
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01    ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE			
	DRAWN	OCD	09/02/2025			
DO NOT SCALE DRAWING	MATERIAL  1/4IN POLYCARBONATE, CLEAR			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				APRILTAG BASE POLY		
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. FE-00082	REV.
				SCALE 1:2		SHEET 1 of 1

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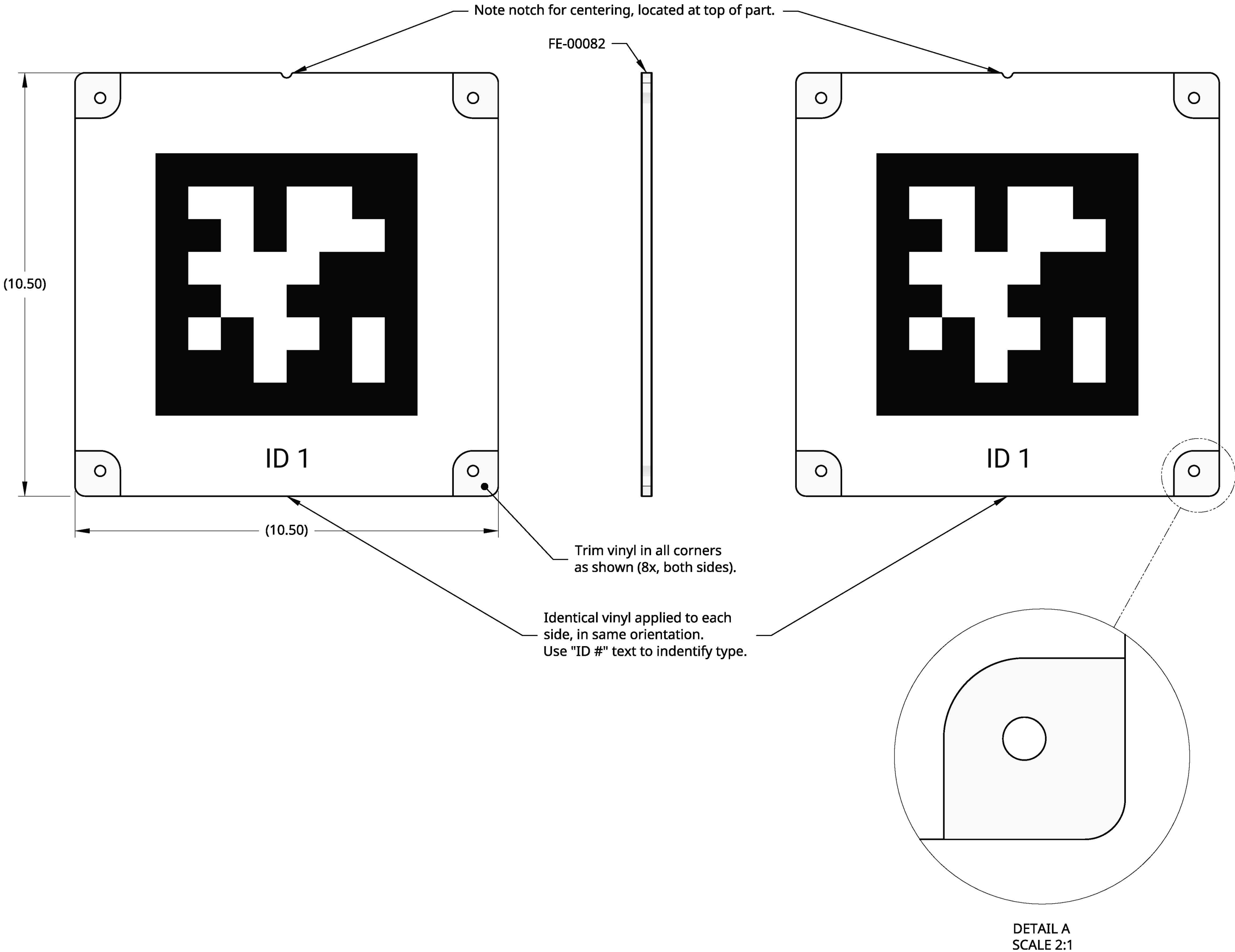
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REVISIONS			
Revision	Revision description	Date drawn	Drawn by
B	Added IDs 23-32	2025-09-04	OCD
C*		2025-09-04	OCD



NOTES:  
1. Matte vinyl

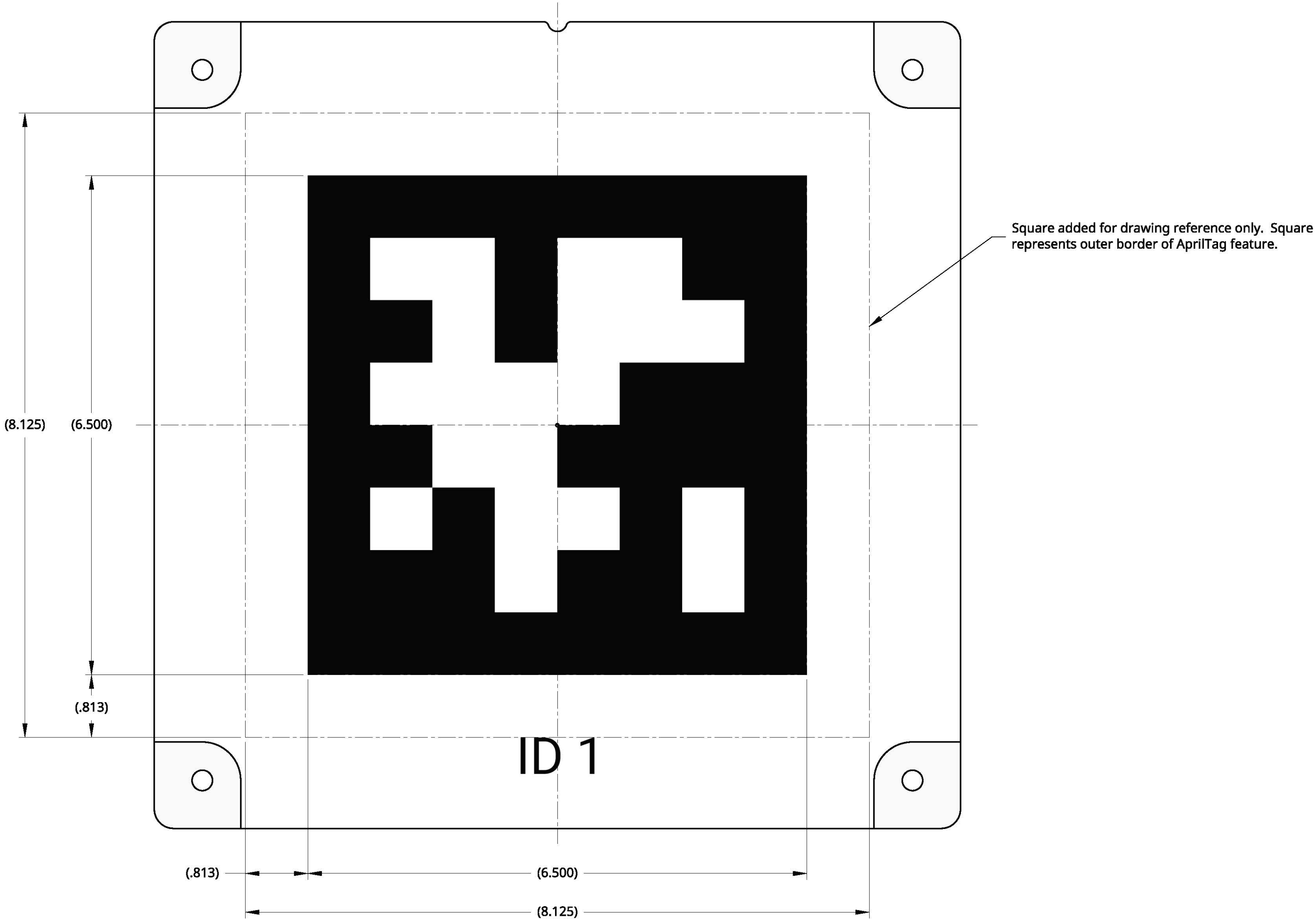
### Tag Variations


Part Number	Vinyl Image
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FE-00083-ID2	tag36_11_00002
FE-00083-ID3	tag36_11_00003
FE-00083-ID4	tag36_11_00004
FE-00083-ID5	tag36_11_00005
FE-00083-ID6	tag36_11_00006
FE-00083-ID7	tag36_11_00007
FE-00083-ID8	tag36_11_00008
FE-00083-ID9	tag36_11_00009
FE-00083-ID10	tag36_11_00010
FE-00083-ID11	tag36_11_00011
FE-00083-ID12	tag36_11_00012
FE-00083-ID13	tag36_11_00013
FE-00083-ID14	tag36_11_00014
FE-00083-ID15	tag36_11_00015
FE-00083-ID16	tag36_11_00016
FE-00083-ID17	tag36_11_00017
FE-00083-ID18	tag36_11_00018
FE-00083-ID19	tag36_11_00019
FE-00083-ID20	tag36_11_00020
FE-00083-ID21	tag36_11_00021
FE-00083-ID22	tag36_11_00022
FE-00083-ID23	tag36_11_00023
FE-00083-ID24	tag36_11_00024
FE-00083-ID25	tag36_11_00025
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FE-00083-ID27	tag36_11_00027
FE-00083-ID28	tag36_11_00028
FE-00083-ID29	tag36_11_00029
FE-00083-ID30	tag36_11_00030
FE-00083-ID31	tag36_11_00031
FE-00083-ID32	tag36_11_00032

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01    ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE		
	DRAWN	OCD	09/04/2025		
	MATERIAL  POLYCARBONATE & VINYL			TITLE  APRILTAG	
DO NOT SCALE DRAWING				SIZE C	DWG NO. FE-00083
BREAK ALL SHARP EDGES AND REMOVE BURRS				SCALE 1:2	REV. 1 of 5
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
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	DRAWN	OCD	09/04/2025		
	MATERIAL			TITLE	
	POLYCARBONATE & VINYL			APRILTAG	
SIZE		DWG NO.		REV.	
C		FE-00083			
SCALE		1:1		SHEET	
				2 of 5	

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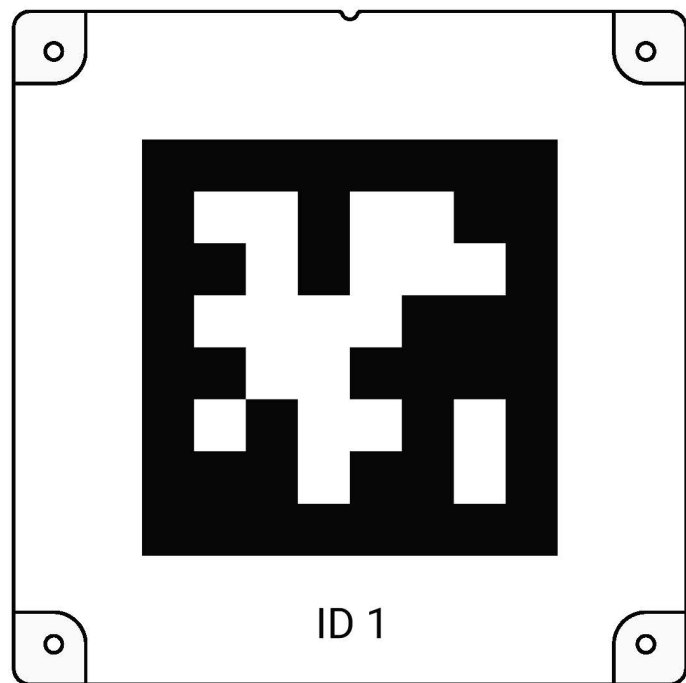
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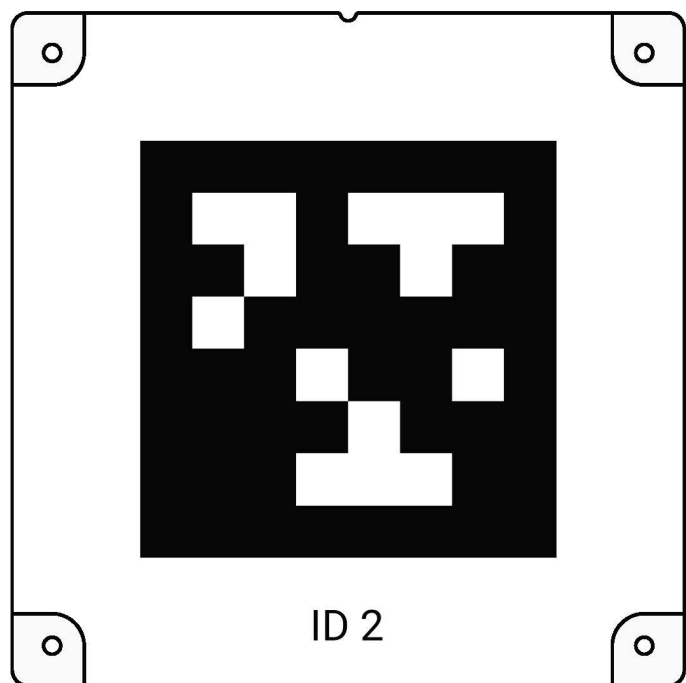
REVISIONS

See sheet 1



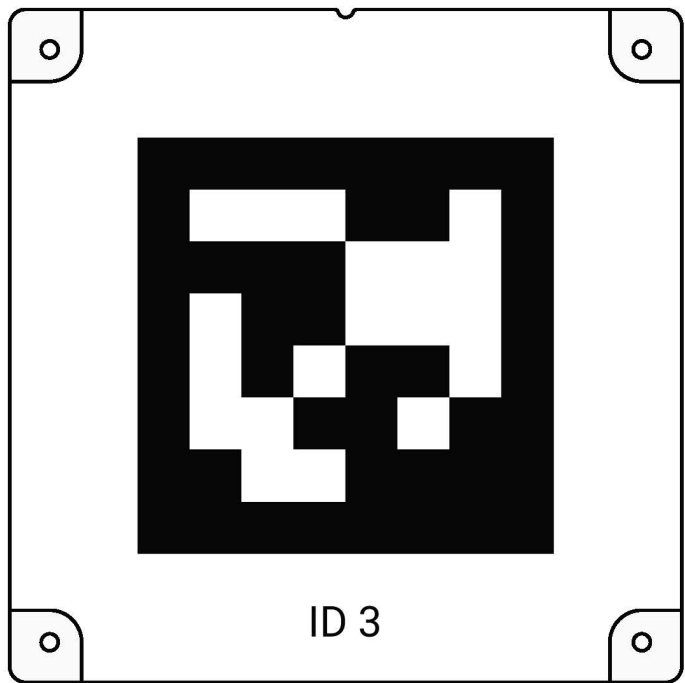
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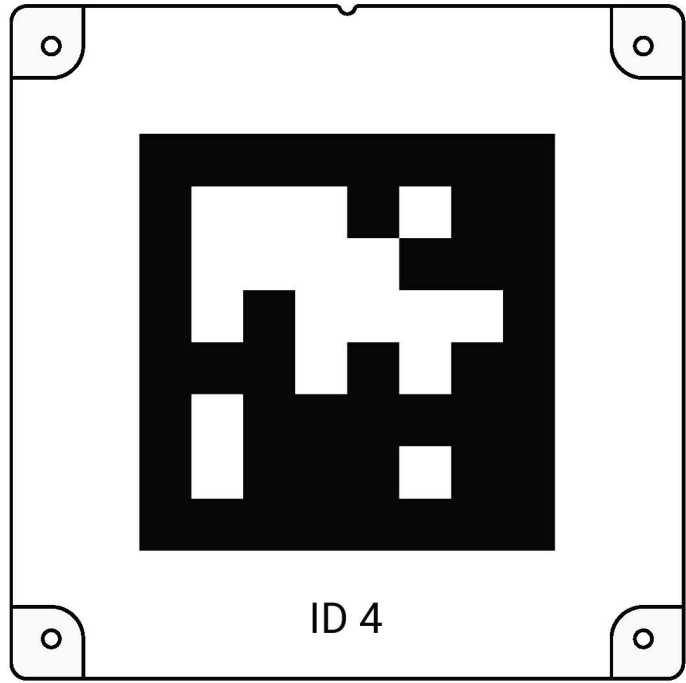
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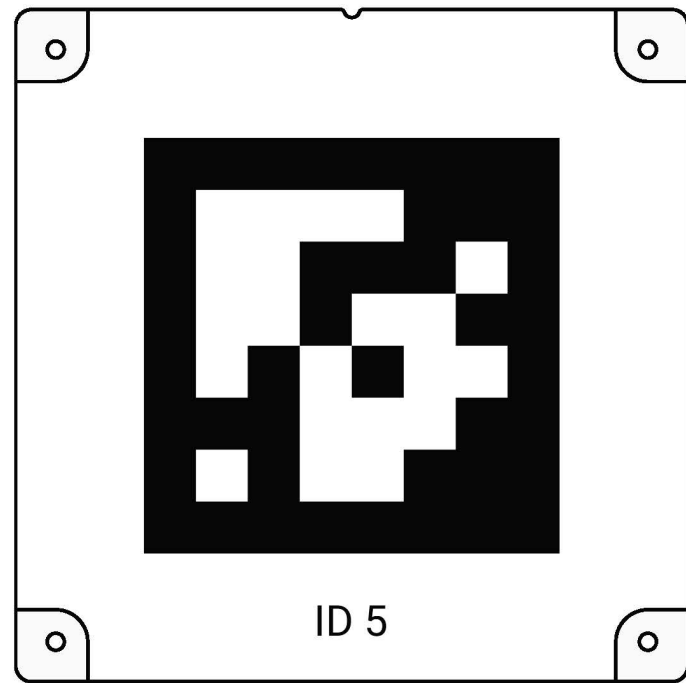
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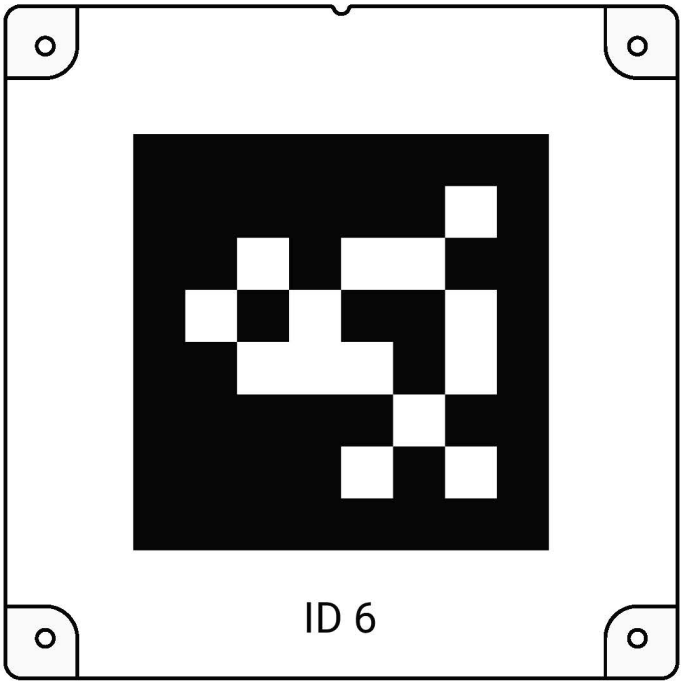
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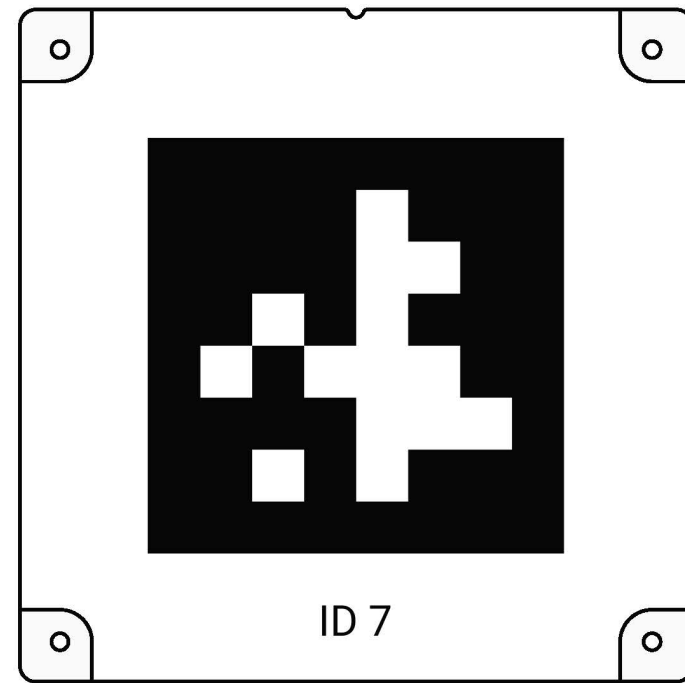
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FE-00083-ID5



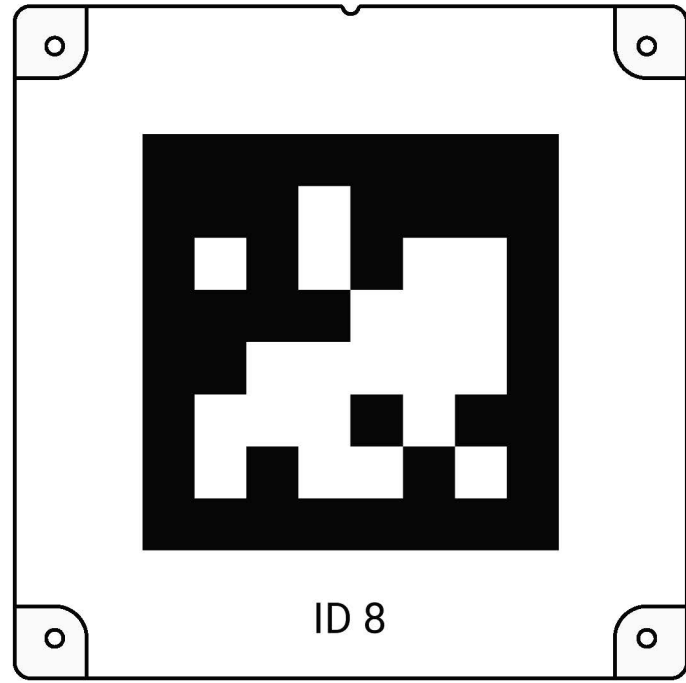
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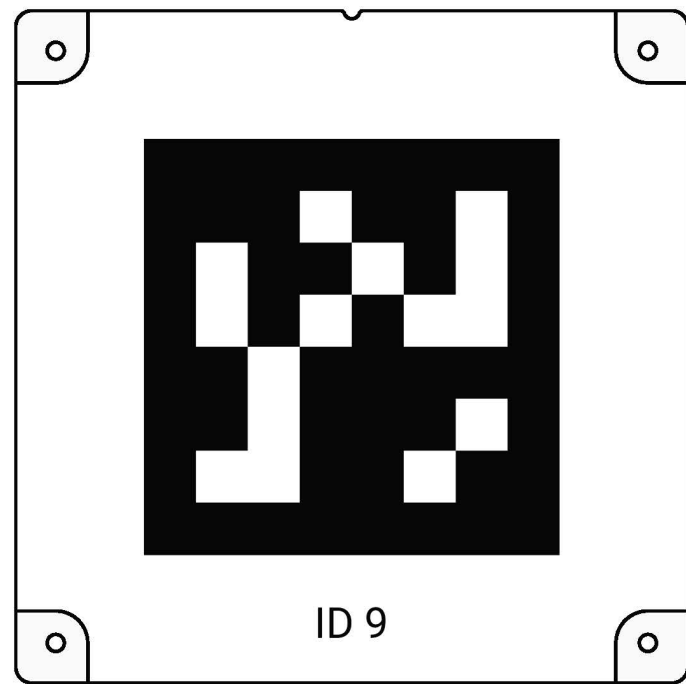
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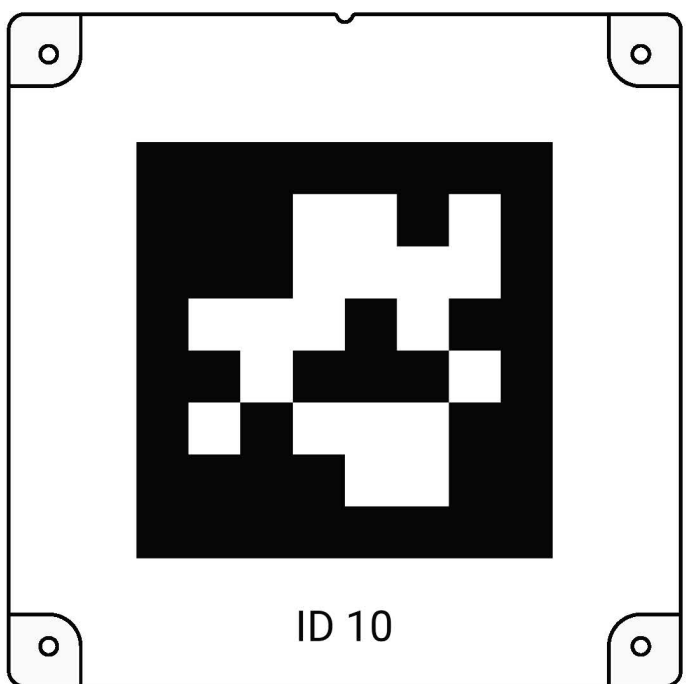
ID 8

FE-00083-ID8



ID 9

FE-00083-ID9



ID 10

FE-00083-ID10

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.

VEND	NAME	DATE
DRAWN	OCD	09/04/2025

MATERIAL

POLYCARBONATE  
& VINYL



TITLE	
APRILTAG	
SIZE C	DWG NO. FE-00083
SCALE 1:3	REV. 3 of 5

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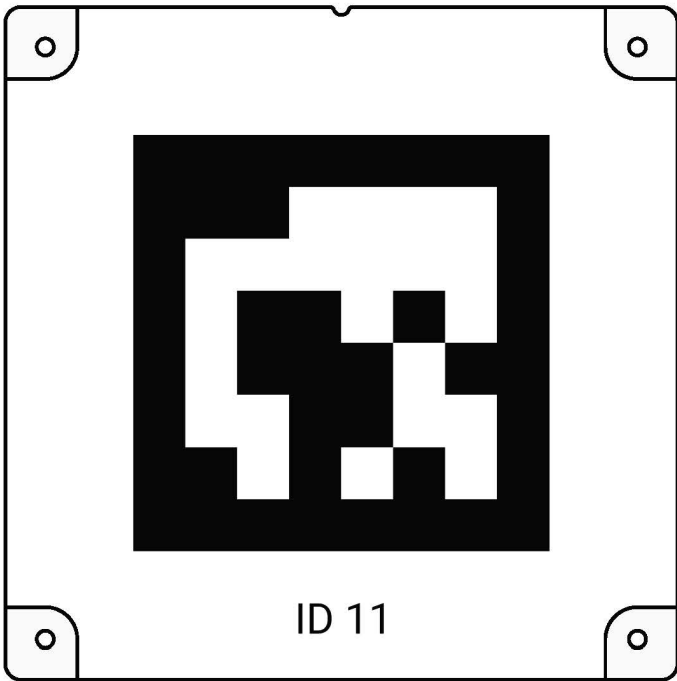
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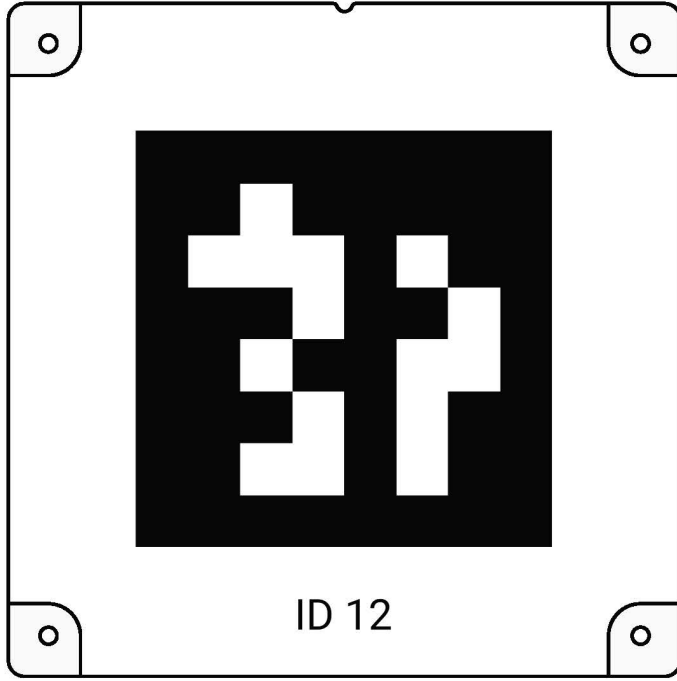
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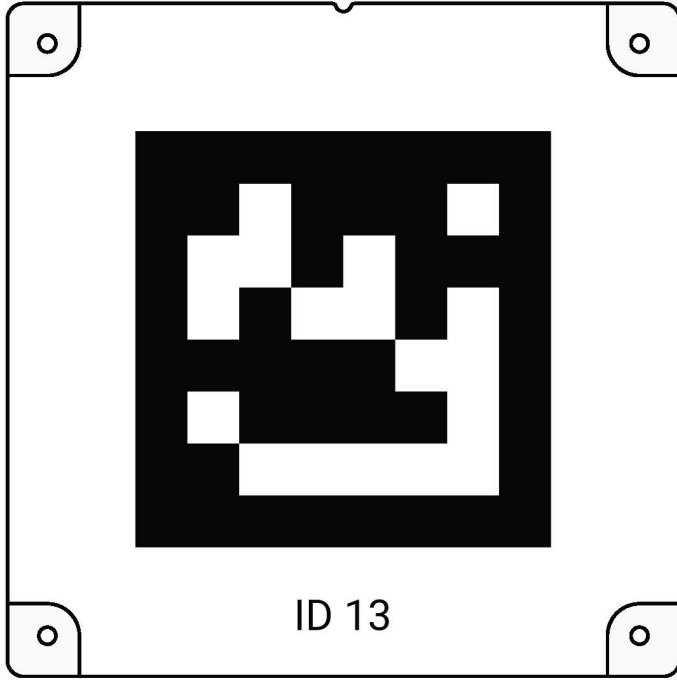
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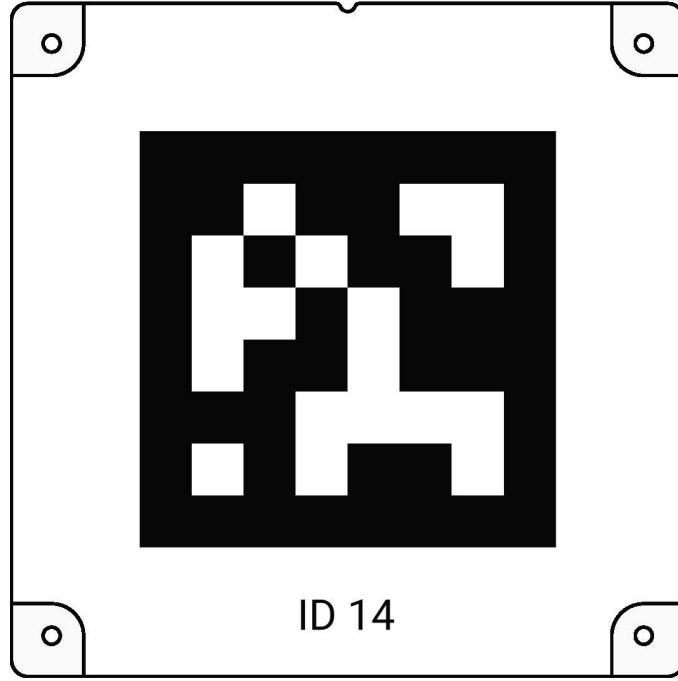
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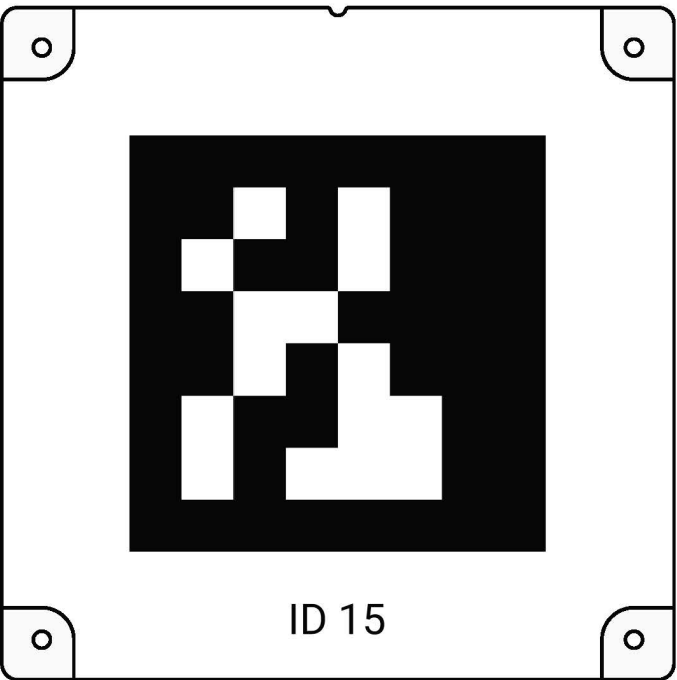
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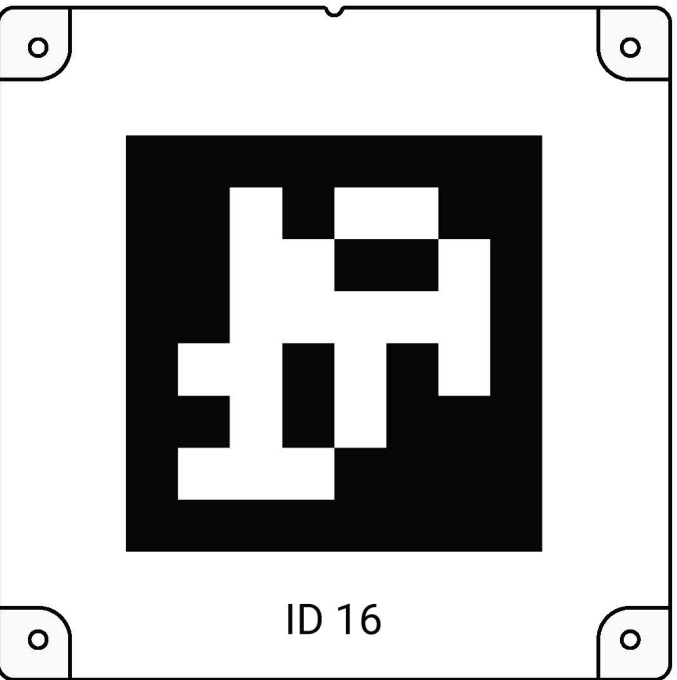
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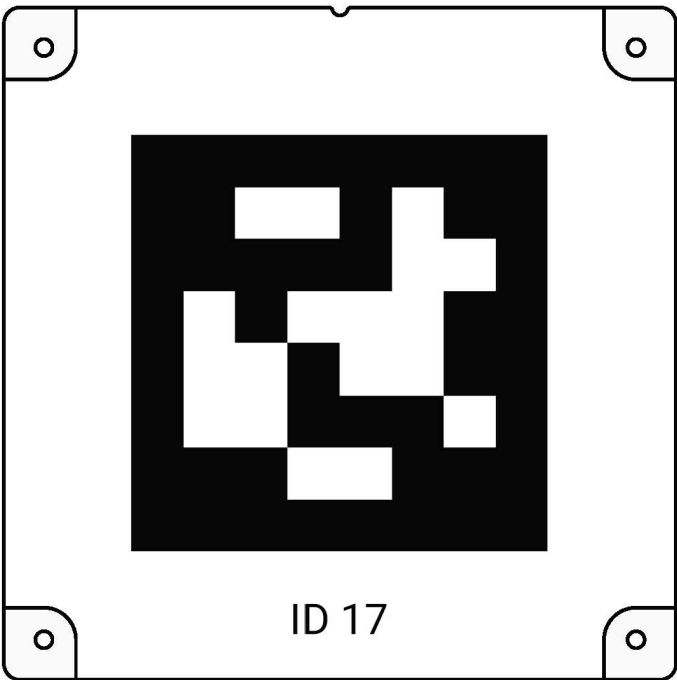
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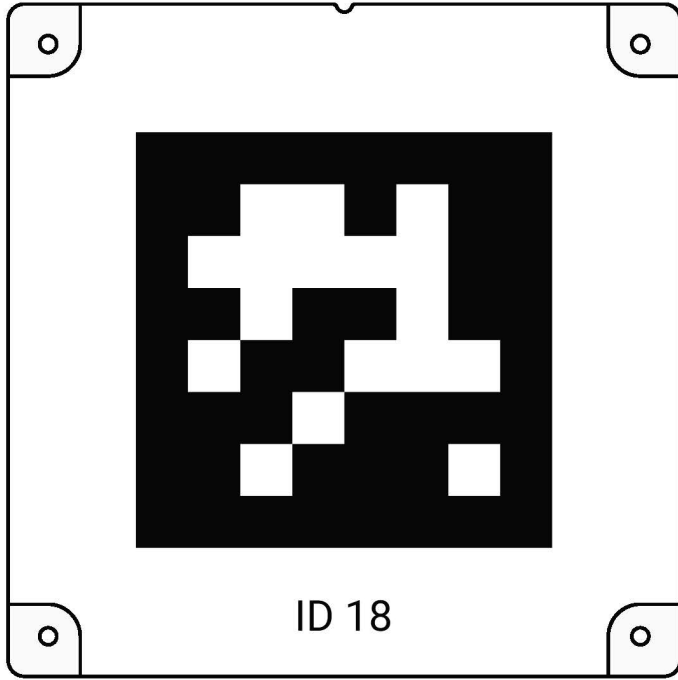
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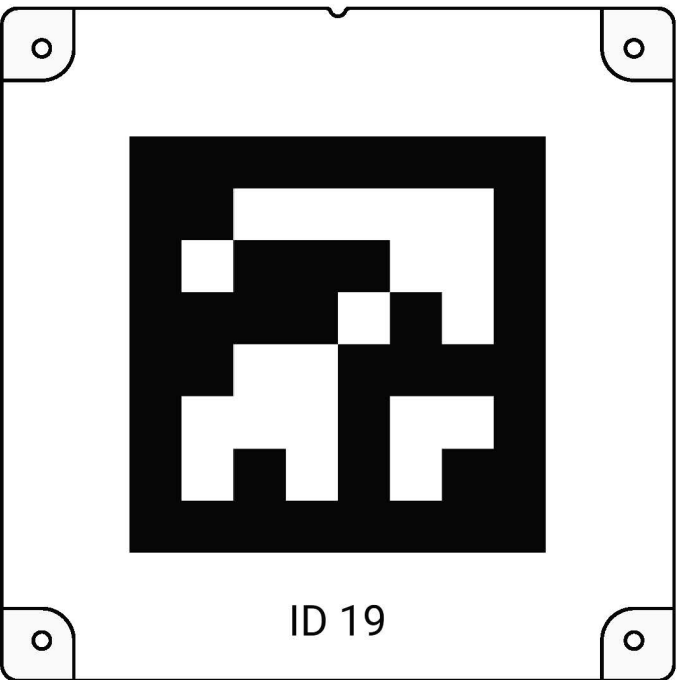
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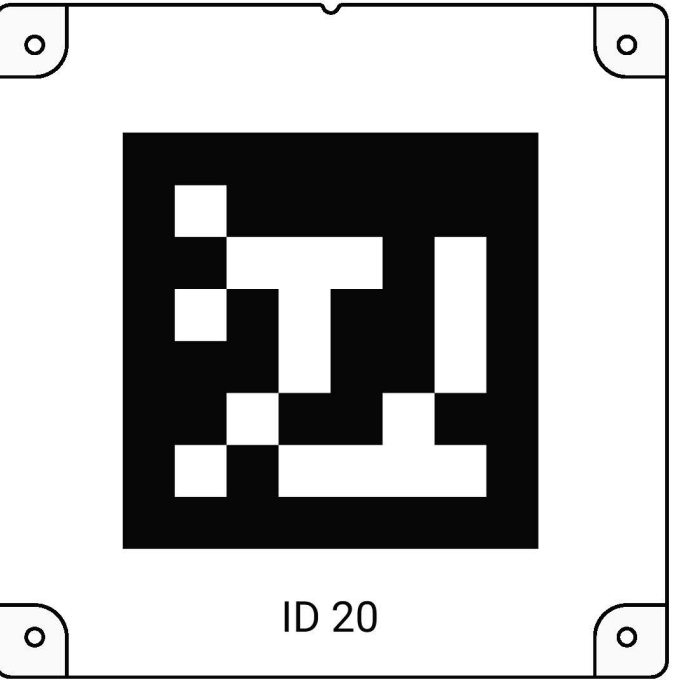
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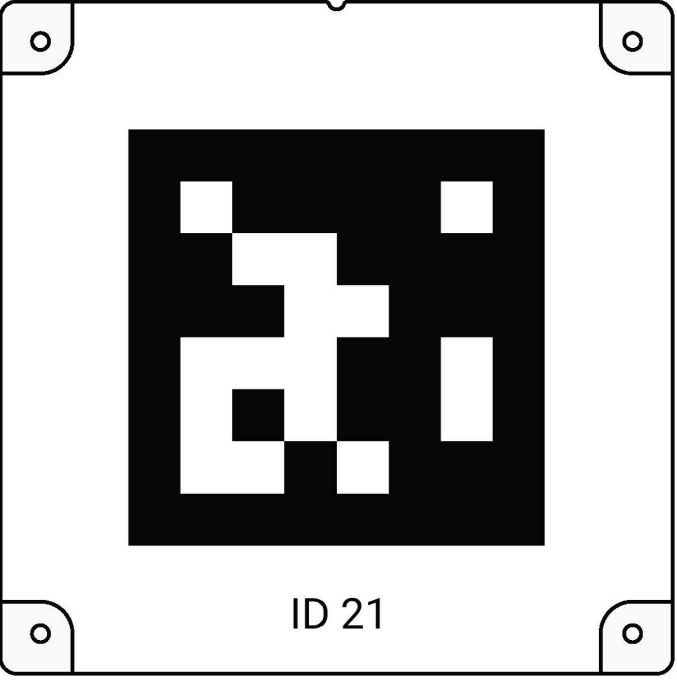
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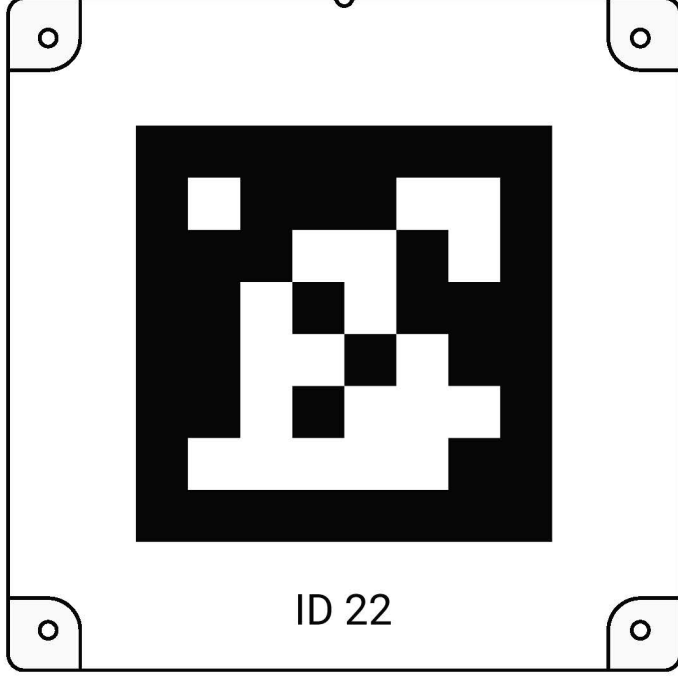
FE-00083-ID19



FE-00083-ID20




FE-00083-ID21



FE-00083-ID22

REVISIONS

See sheet 1

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES  .XX = ±.01    ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE			
	DRAWN	OCD	09/04/2025			
DO NOT SCALE DRAWING	MATERIAL   <					

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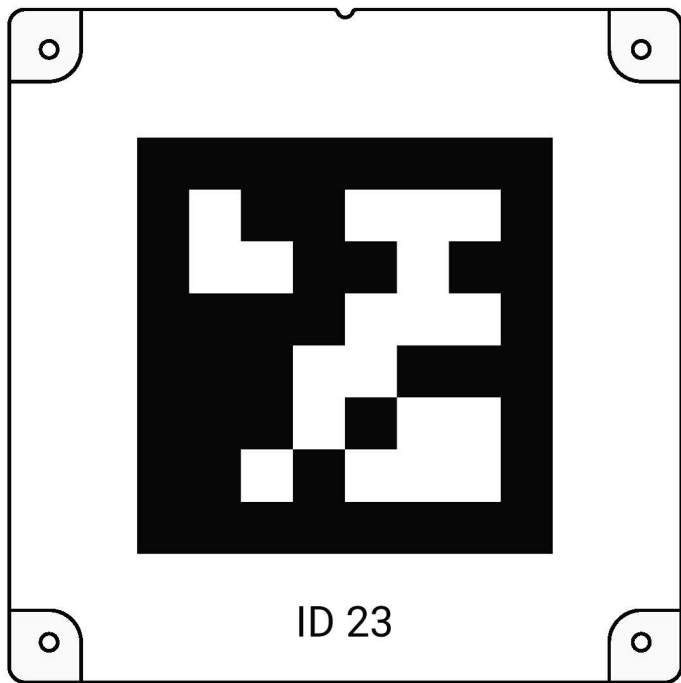
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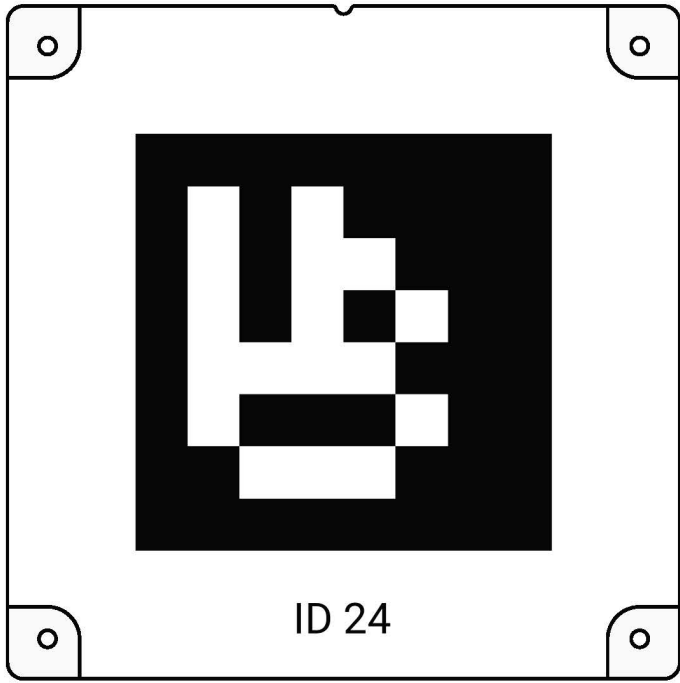
REVISIONS

See sheet 1



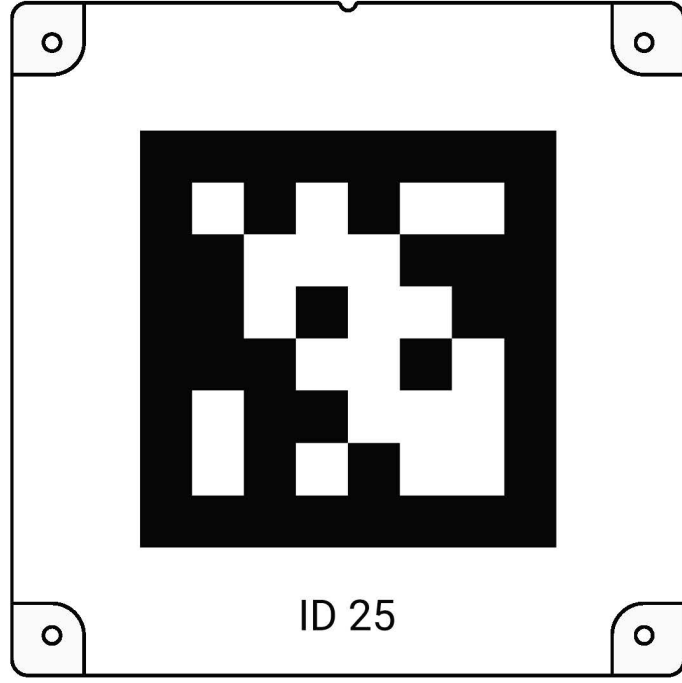
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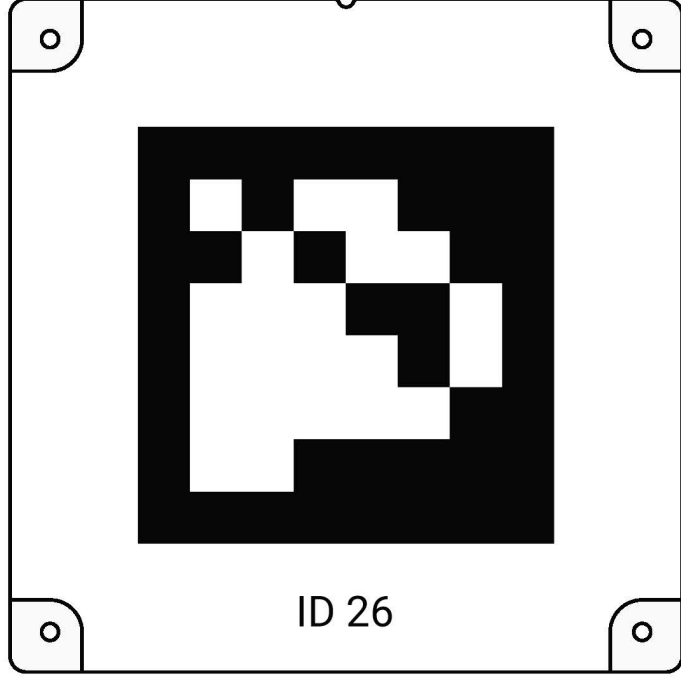
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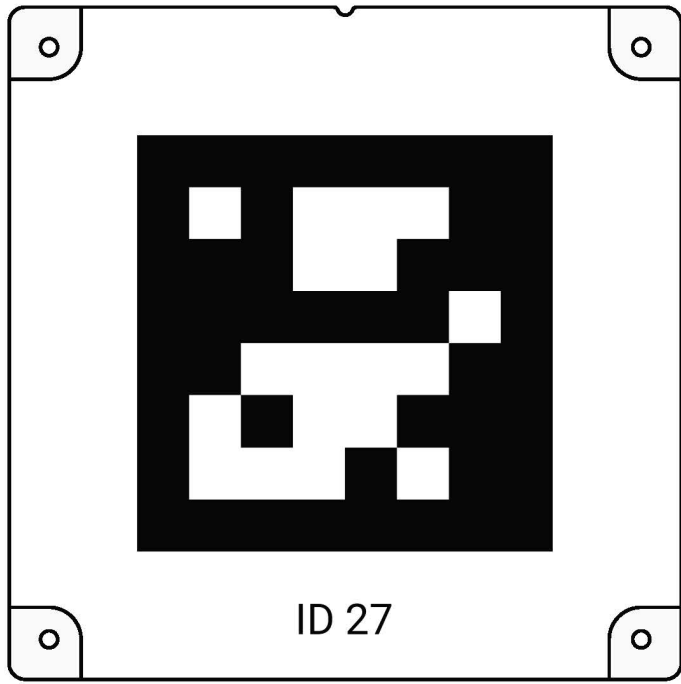
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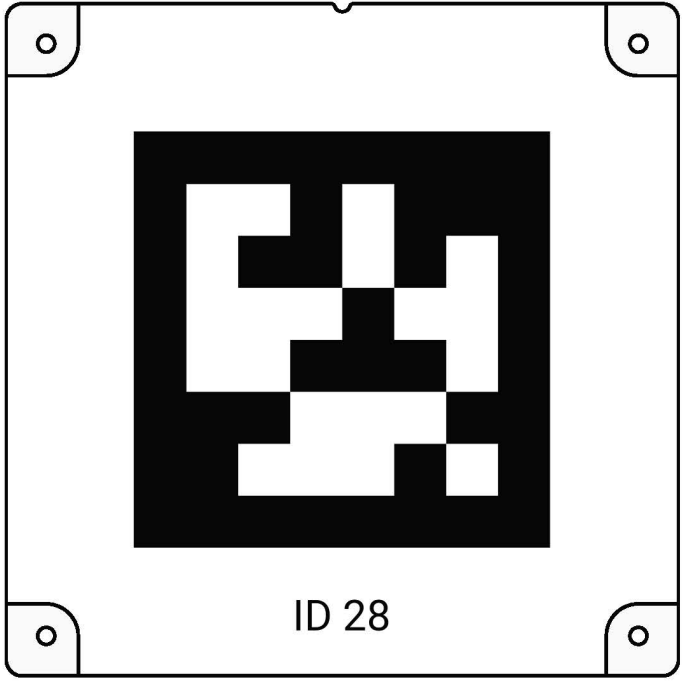
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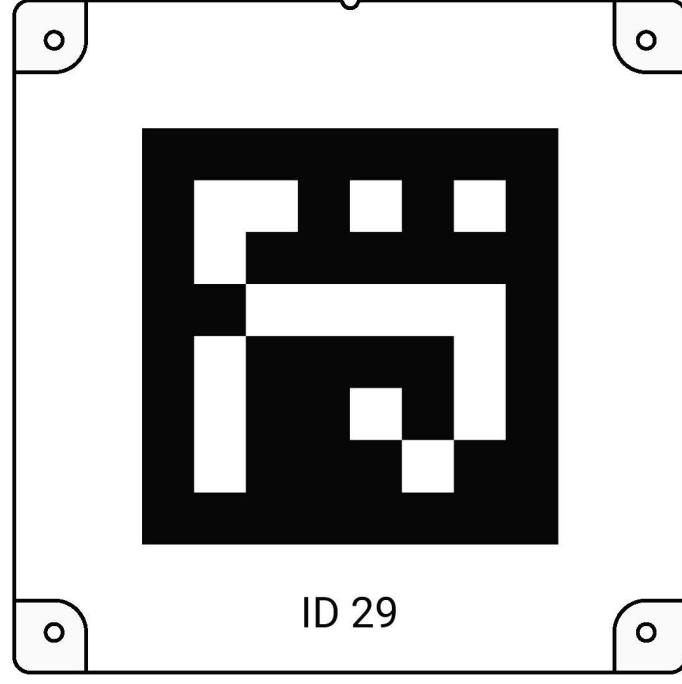
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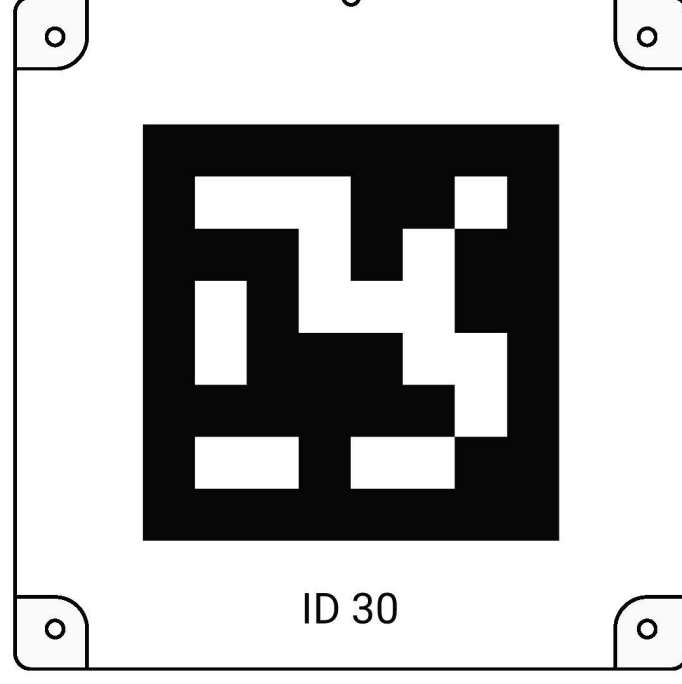
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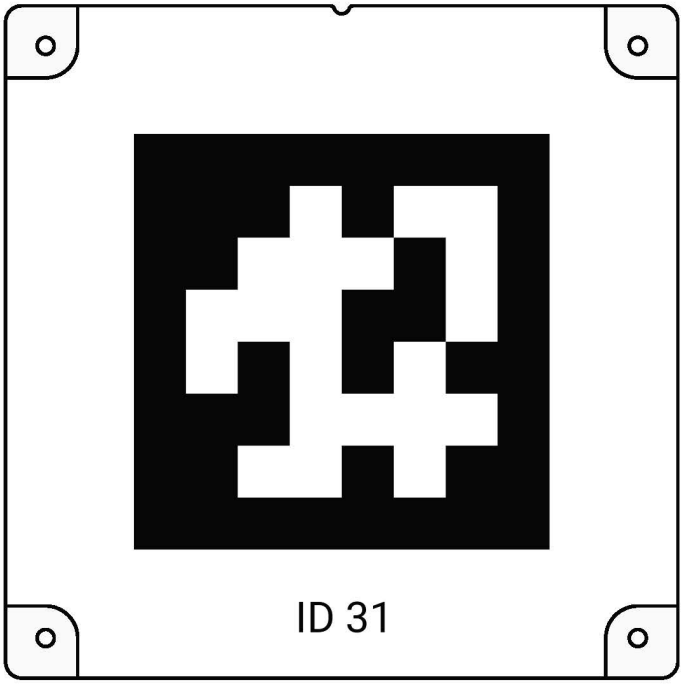
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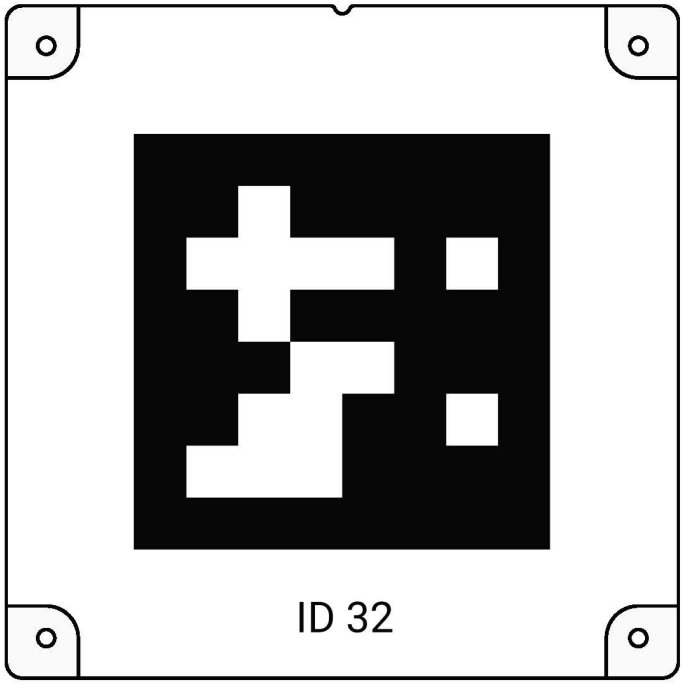
ID 30

FE-00083-ID30




ID 31

FE-00083-ID31



ID 32

FE-00083-ID32

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	09/04/2025		
	MATERIAL			TITLE	
	POLYCARBONATE & VINYL			APRILTAG	
SIZE C		DWG NO. FE-00083		REV.	
SCALE 1:3		SHEET 5 of 5			

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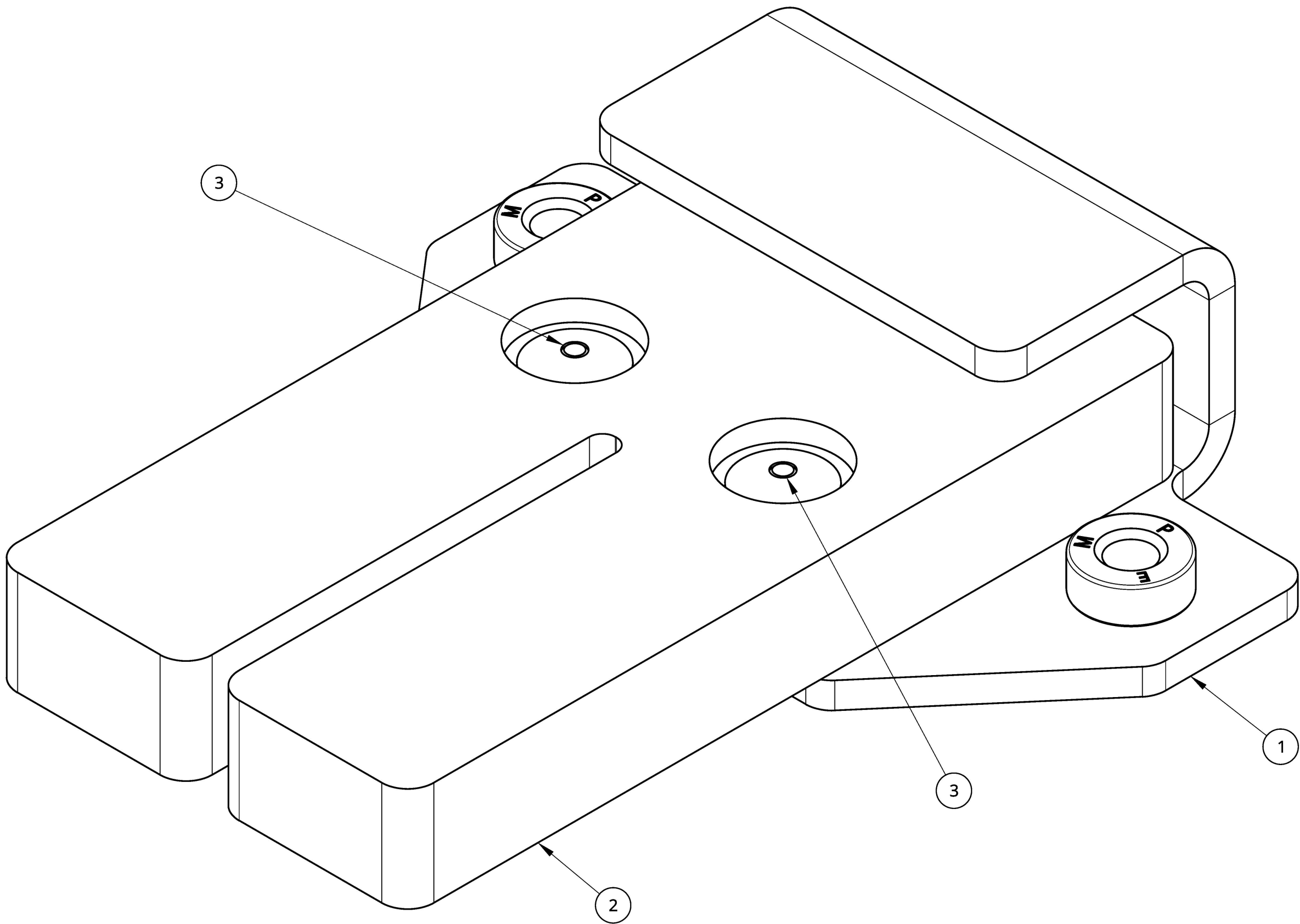
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Item	Quantity	Part number	Description
1	1	FE-00091	Driver Station Shelf Bracket w/ PEMs
2	1	FE-00092	Driver Station Shelf Support Plastic
3	2		3/16in Rivet, 0.501-0.625in Grip Length

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01    ANGULAR = ± 1° .XXX = ±.005	VEND	NAME	DATE			
	DRAWN	JO	10/08/2025			
DO NOT SCALE DRAWING	MATERIAL			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				DRIVER STATION SHELF 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 C	DWG NO. FE-00090	REV.
				SCALE 3:1	SHEET 1 of 1	



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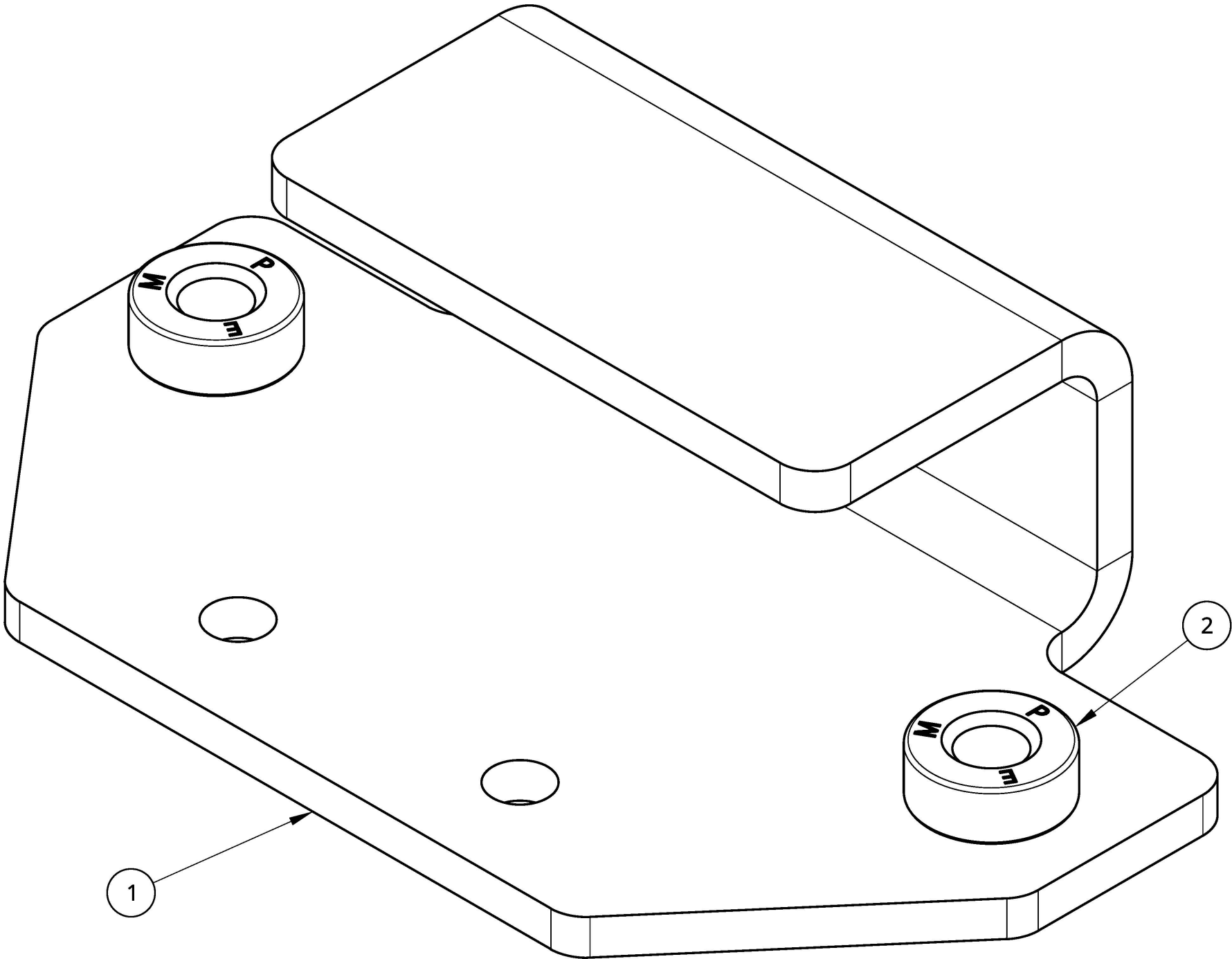
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Item	Quantity	Part number	Description
1	1	FE-00091-01	Driver Station Shelf Bracket
2	2		PEM S-0420-3 ZI Carbon Steel Zinc plated

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01    ANGULAR = ± 1° .XXX = ±.005  DO NOT SCALE DRAWING  BREAK ALL SHARP EDGES AND REMOVE BURRS  <b>PROPRIETARY AND CONFIDENTIAL</b> 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	10/08/2025		
	MATERIAL			TITLE DRIVER STATION SHELF BRACKET W/ PEMS	
SIZE C		DWG NO. FE-00091		REV.	
SCALE 3:1		SHEET 1 of 2			

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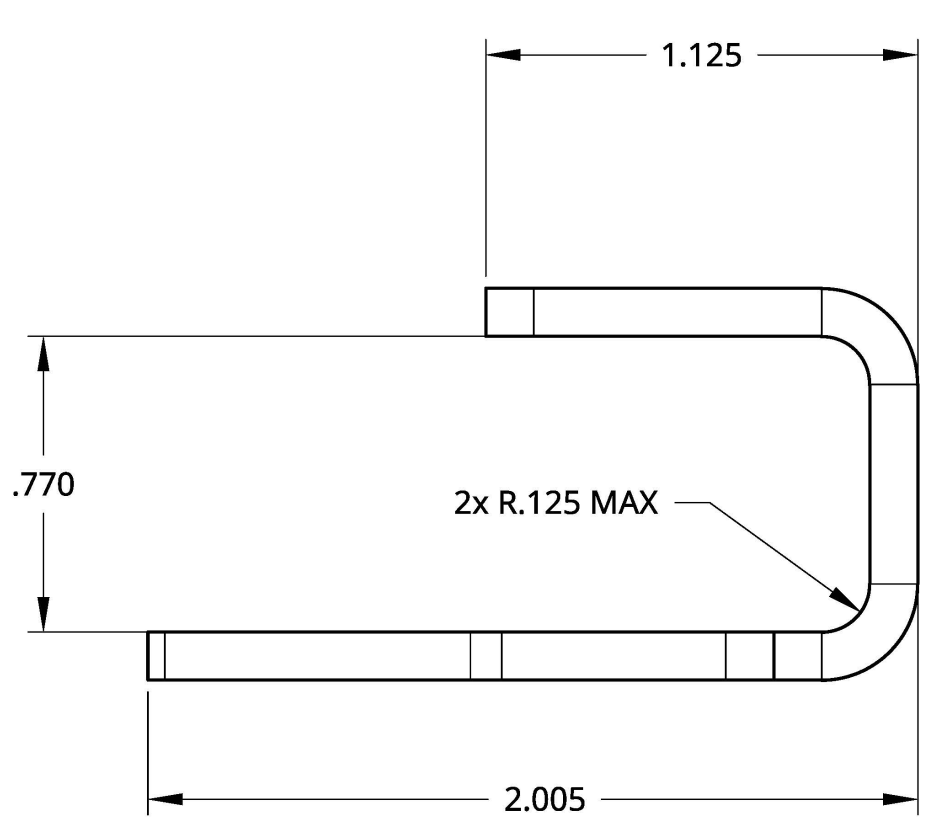
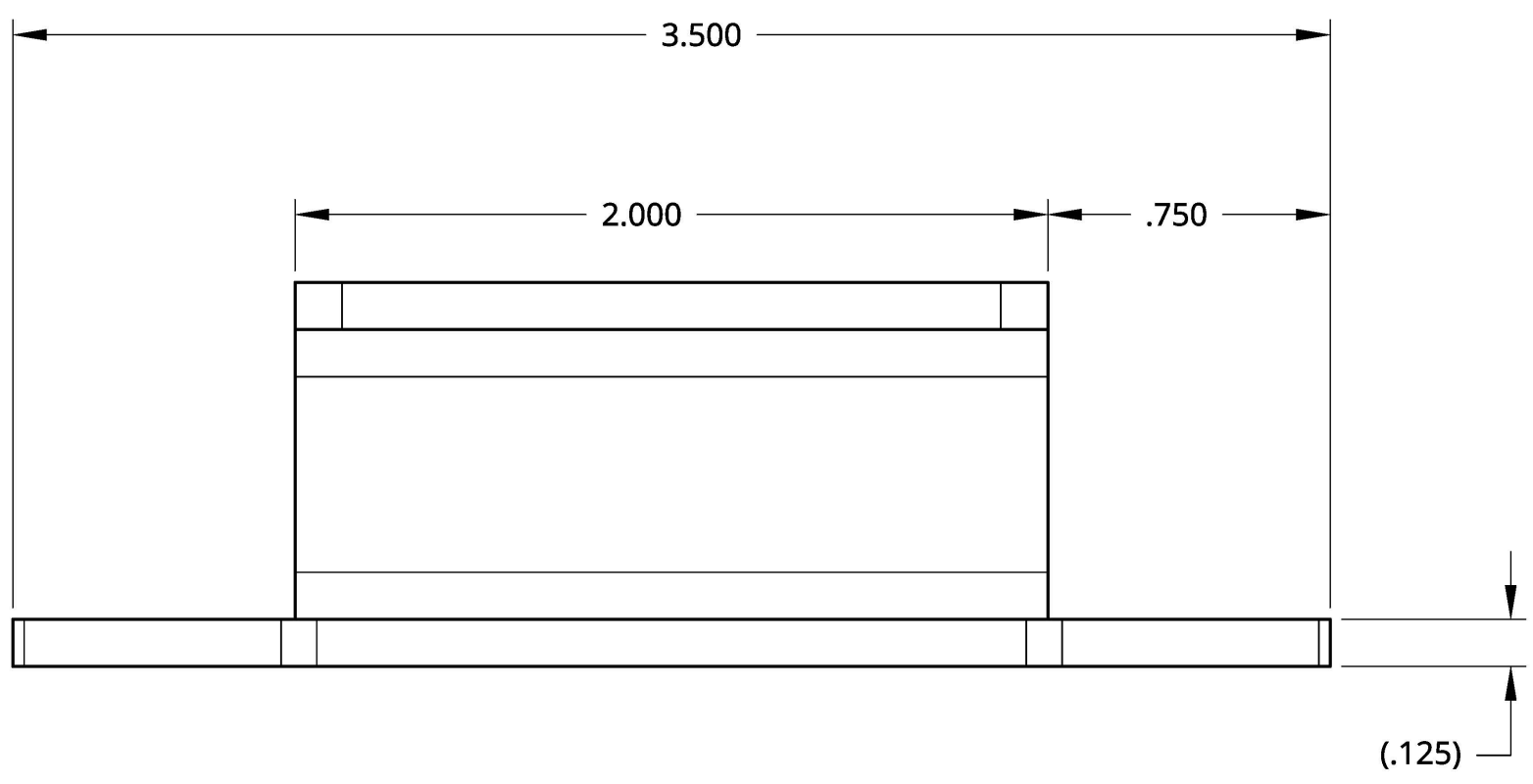
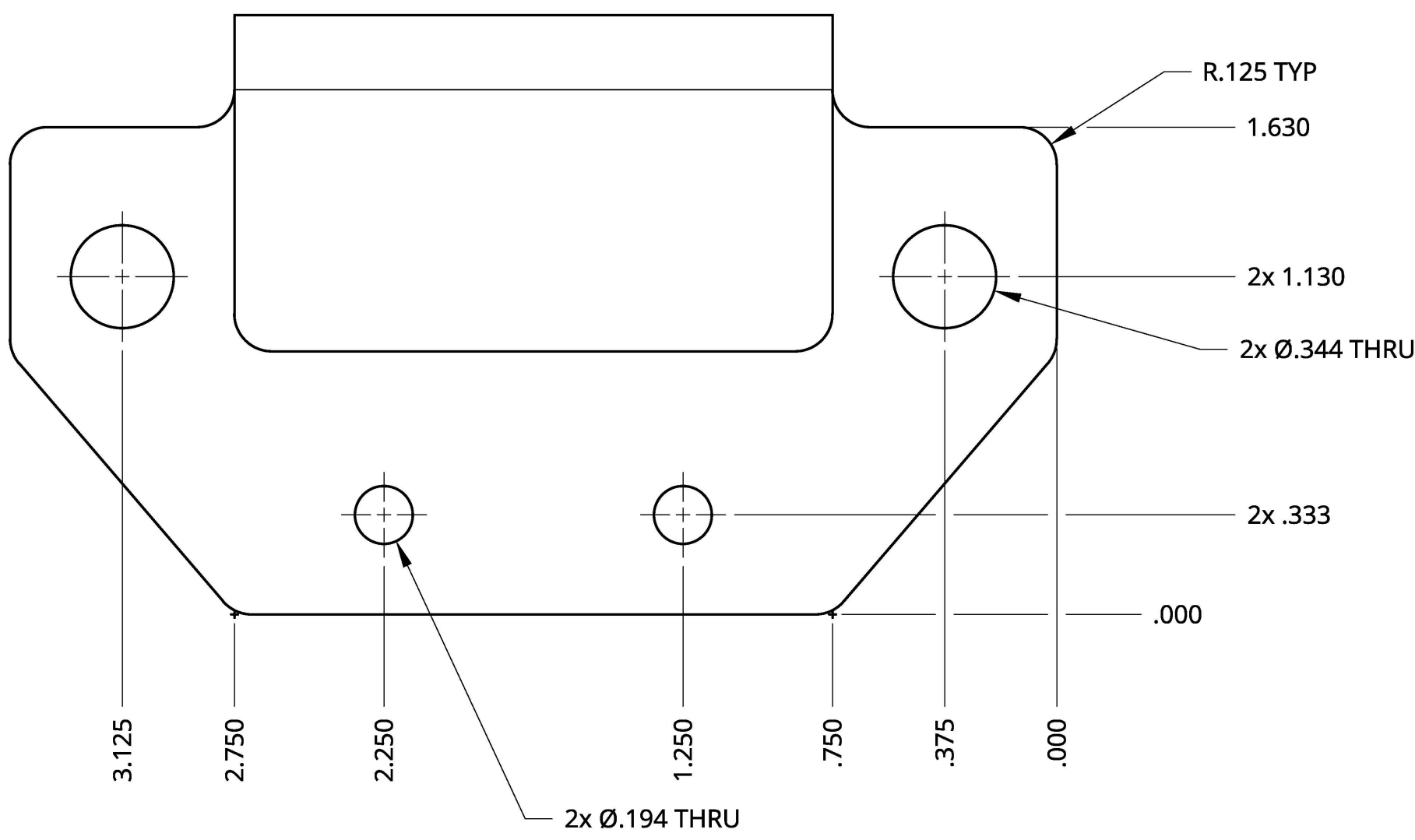
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01     ANGULAR = ± 1° .XXX = ±.005	BEND	NAME	DATE	 <b>FIRST ROBOTICS COMPETITION</b>			
	DRAWN	JO	10/08/2025				
DO NOT SCALE DRAWING	MATERIAL  1/8" 5052 ALUMINUM			TITLE  DRIVER STATION SHELF BRACKET			
BREAK ALL SHARP EDGES AND REMOVE BURRS							
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF <b>FIRST®</b> . ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF <b>FIRST®</b> IS PROHIBITED.				SIZE  C	DWG NO.  FE-00091-01		REV.
				SCALE  2:1	SHEET  2 of 2		

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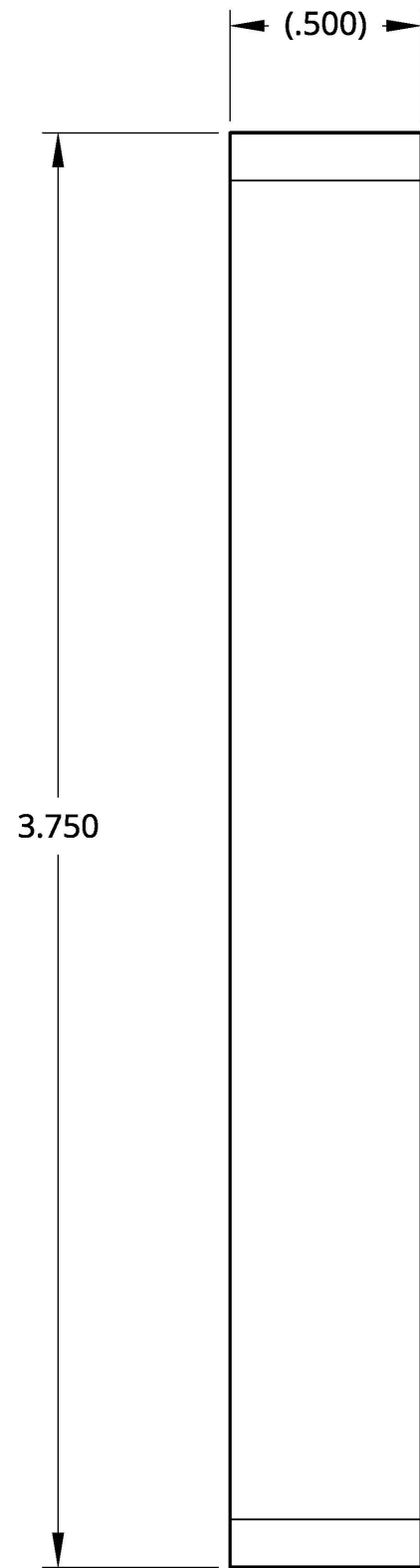
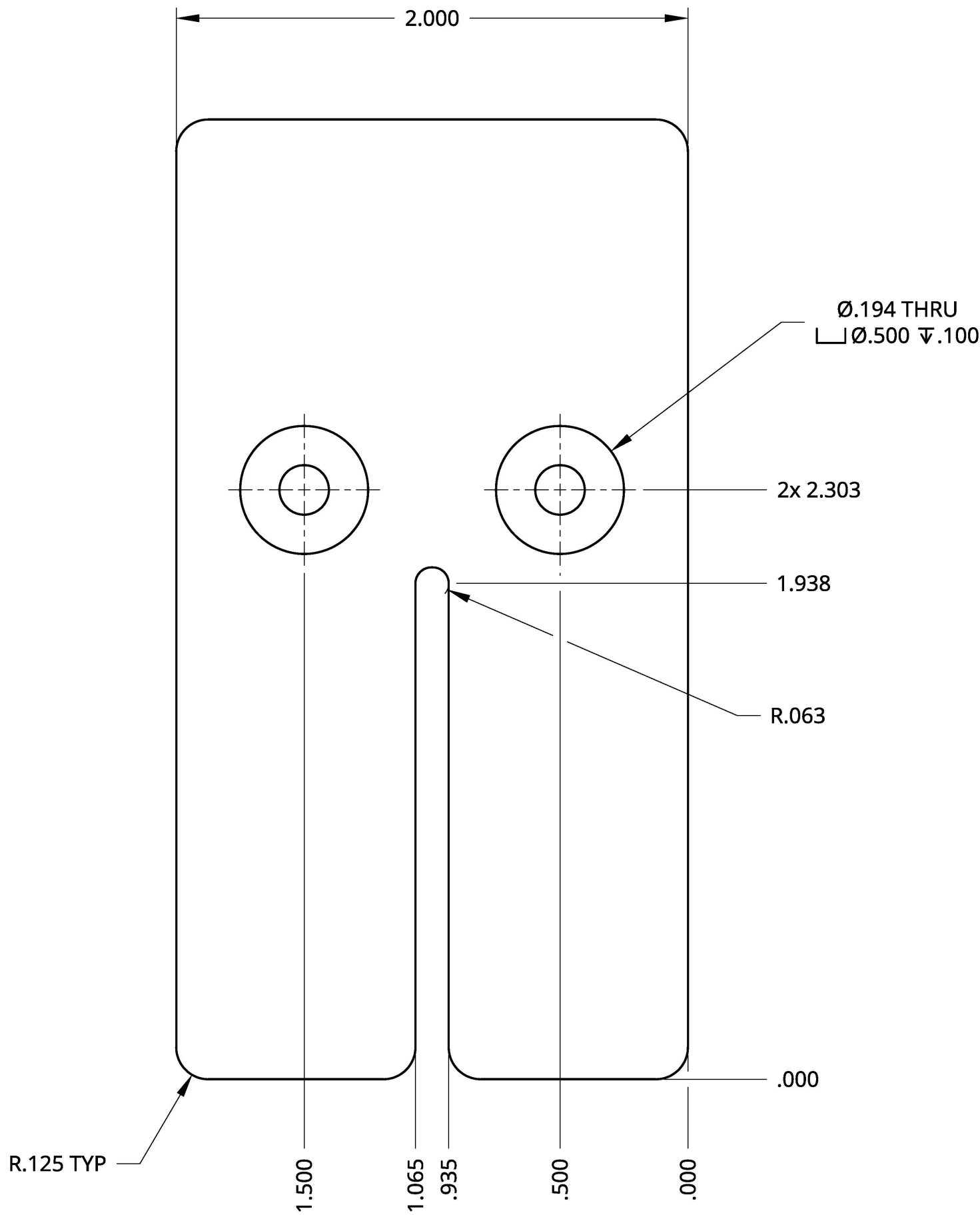
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES _XX = ±.01    ANGULAR = ± 1° _XXX = ±.005	VEND	NAME	DATE			
	DRAWN	JO	10/08/2025			
DO NOT SCALE DRAWING	MATERIAL  1/2" HDPE, BLACK MATTE FINISH (ORANGE PEEL TEXTURE)			TITLE		
BREAK ALL SHARP EDGES AND REMOVE BURRS				DRIVER STATION SHELF SUPPORT 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	DWG NO.	REV.
				C	FE-00092	
	SCALE		2:1	SHEET	1 of 1	

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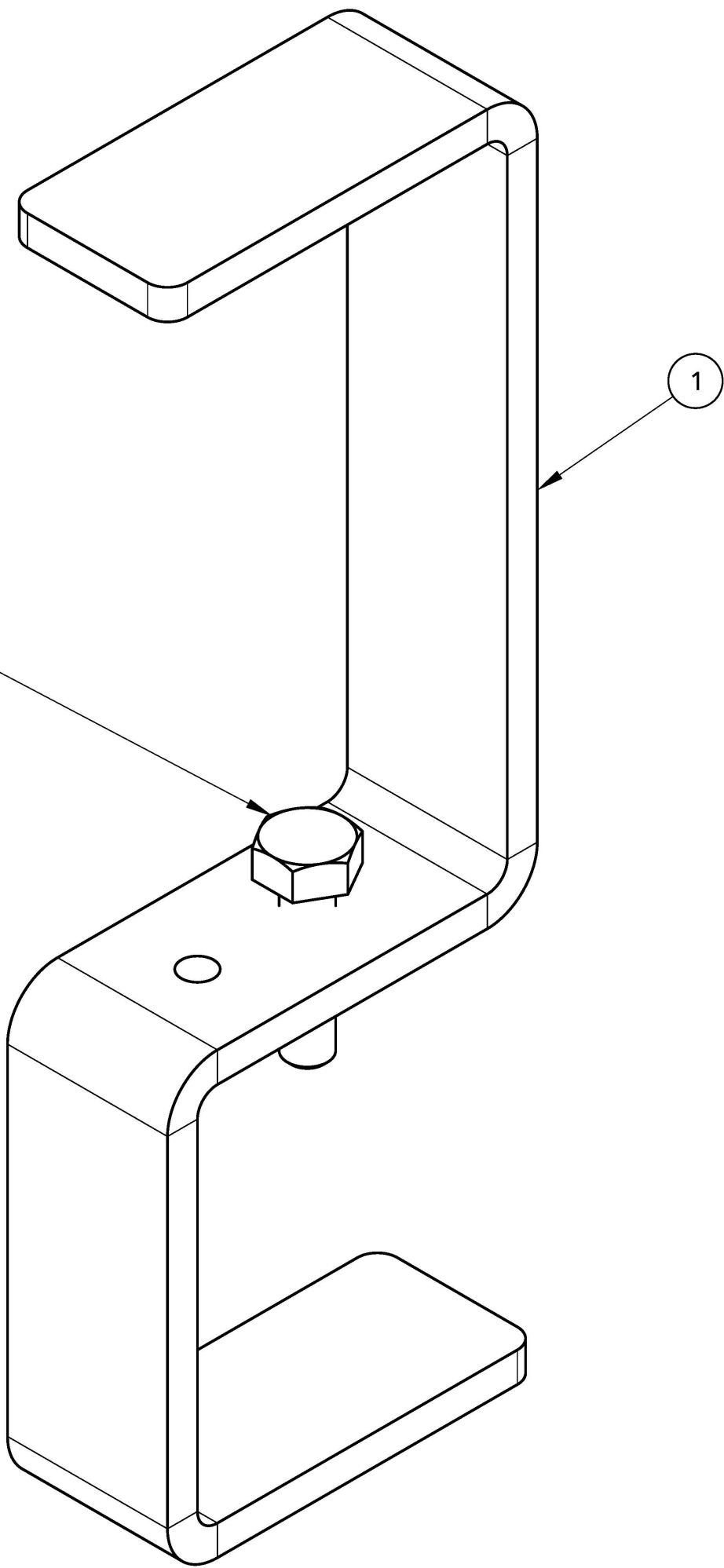
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Item	Quantity	Part number	Description
1	1	FE-00321	Driver Station Sponsor Bracket
2	1		Hex bolt 1/4-20 x 1 x 0.75 Steel Zinc Plated

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES XX = ±.01    ANGULAR = ± 1° XXX = ±.005	BEND	NAME	DATE	
	DRAWN	OCD	10/17/2025	
DO NOT SCALE DRAWING	MATERIAL  			

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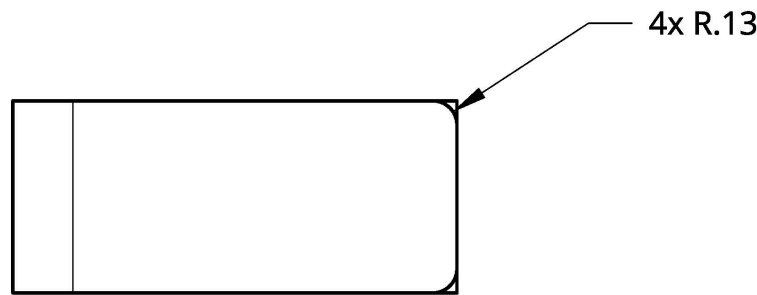
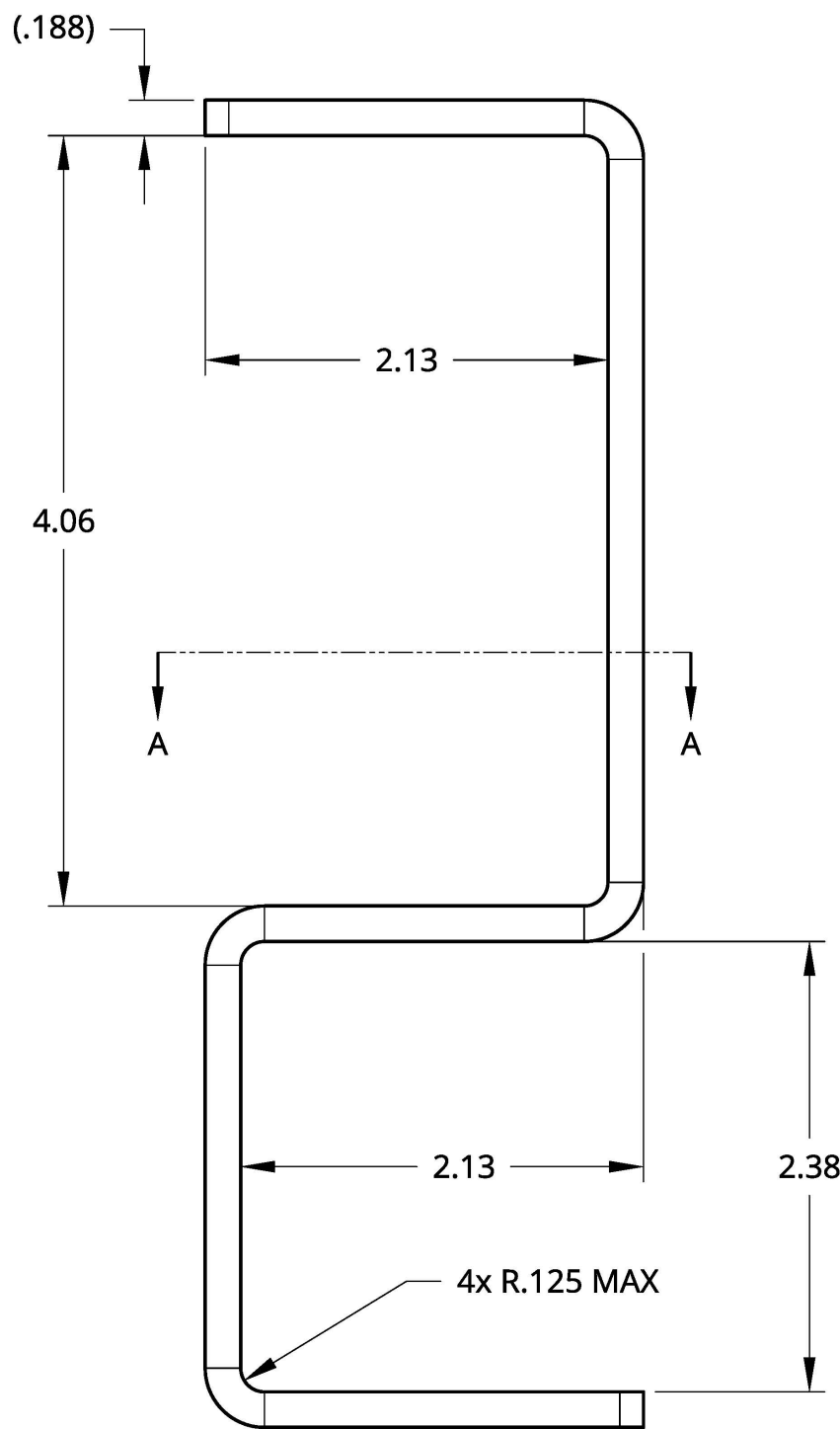
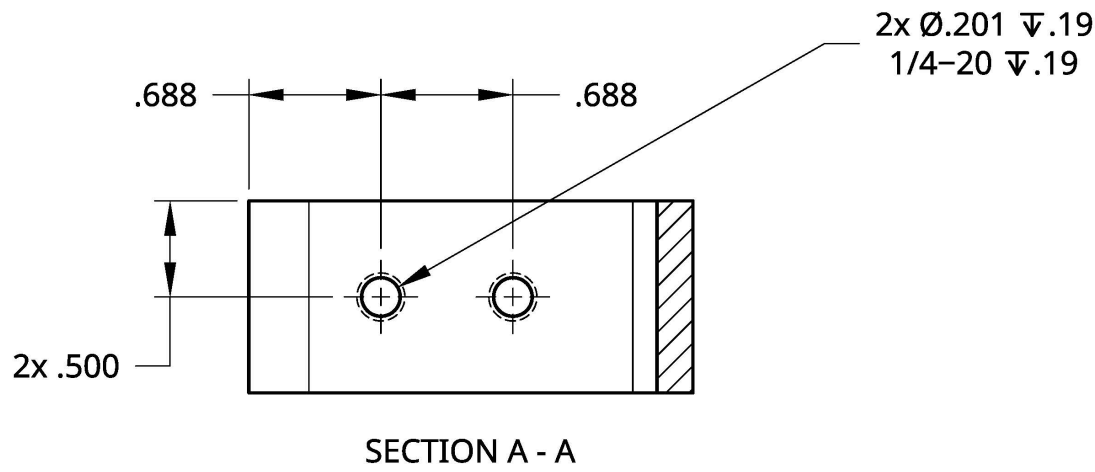
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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES .XX = ±.01 ANGULAR = ± 1° .XXX = ±.005	BEND	NAME	DATE		
	DRAWN	OCD	10/17/2025		
	DO NOT SCALE DRAWING			TITLE	
BREAK ALL SHARP EDGES AND REMOVE BURRS	MATERIAL 0.188IN PLATE, LOW CARBON STEEL, POWDER COATED (POWDER TECHNOLOGY INC, PT-ES03-BS13 BLACK MIDNIGHT MAGIC, MATTE)			DRIVER STATION SPONSOR 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 C	REV.
SCALE 1:1		DWG NO. FE-00321		SHEET 1 of 1	