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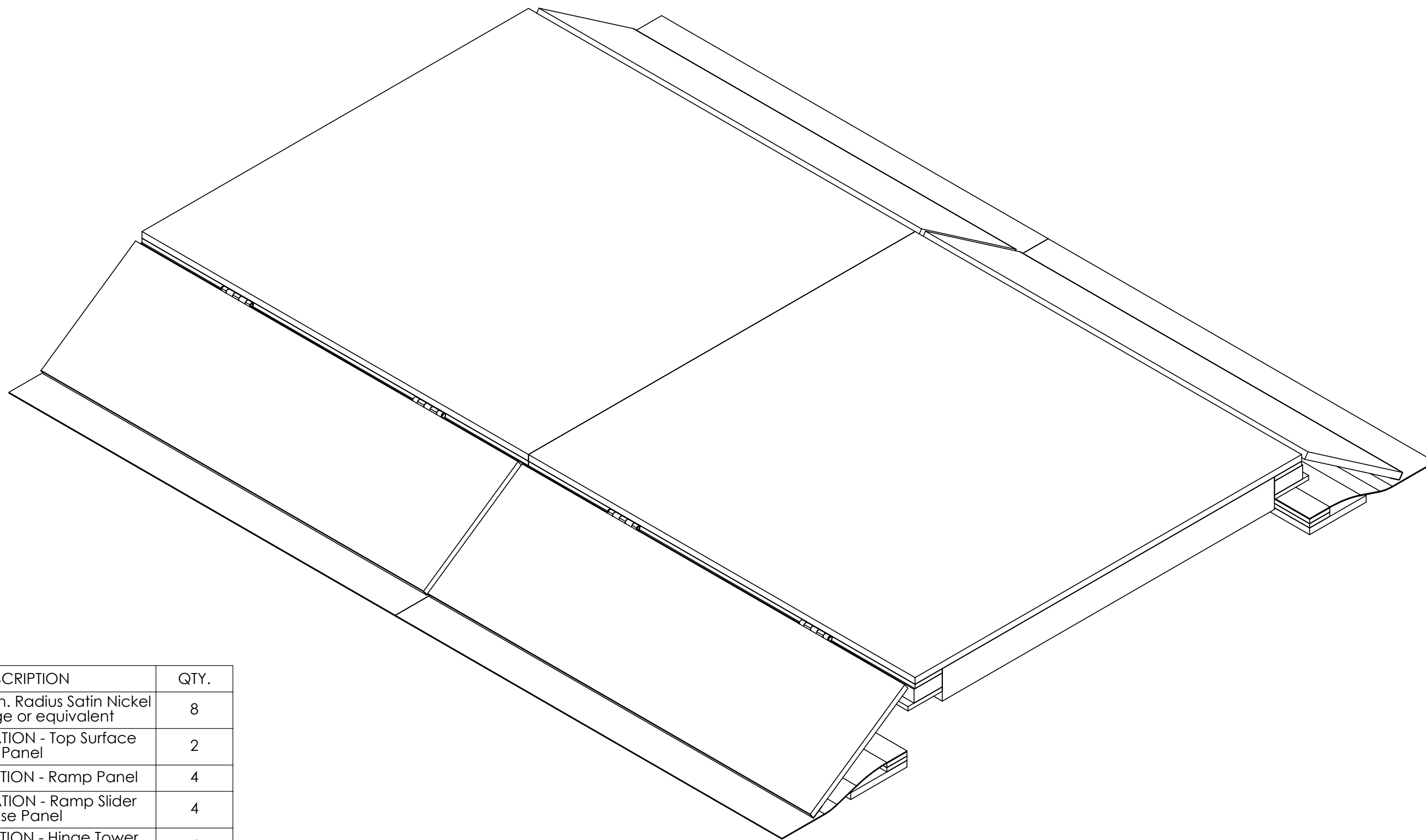
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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	everbilt312x58Hinge_teamBridge	3-1/2 in. x 5/8 in. Radius Satin Nickel Door Hinge or equivalent	8
2	TE-23302	CHARGE STATION - Top Surface Panel	2
3	TE-23303	CHARGE STATION - Ramp Panel	4
4	TE-23304	CHARGE STATION - Ramp Slider Base Panel	4
5	TE-23305	CHARGE STATION - Hinge Tower Base	4
6	TE-23306	CHARGE STATION - Ramp Slider Spacer Panel	8
7	TE-23307	CHARGE STATION - Ramp Mount Spacer	4
8	TE-23308	CHARGE STATION - Ramp Tip Limiter	4
9	TE-23309	CHARGE STATION - Ramp Slide	4
10	TE-23310	CHARGE STATION - Double Hinge Strap	8
11	TE-23311	CHARGE STATION - Double Hinge Core	8
12	TE-23312	CHARGE STATION - Outer Support	4
13	TE-23313	CHARGE STATION - Double Hinge Mount	2
14	TE-23314	CHARGE STATION - Inner Brace	4
15	TE-23315	CHARGE STATION - Tip Limiter	8
16	TE-23316	CHARGE STATION - Double Hinge Auxillary Support	8
17	TE-23317	CHARGE STATION - Hinge Tower Vertical	8
18	TE-23318	CHARGE STATION - Hinge Tower Top	4
19	TE-23319	CHARGE STATION - Ramp Mount	4
20	hex_.25_20_3.75_partial	Steel Hex Head Bolt, 1/4-20 x 3.75", partially threaded	8
21	nylock_.25_20	Steel Nylon-Insert Locknut, 1/4"-20	8
22	loop_2x48	2" x 48" Loop, Adhesive Backed	4
23	washer_flat_.25	Flat Washer for 1/4" Screw	32

Notes:

- Follow instructions on drawing TE-22301 to build each half. Fasten halves of assembly together via the middle beams using wood screws or bolts. Take care with alignment to ensure hinges will work properly once full assembly is fastened together.
- See drawing TE-22301 for notes about comparison to real field element (GE-22300)

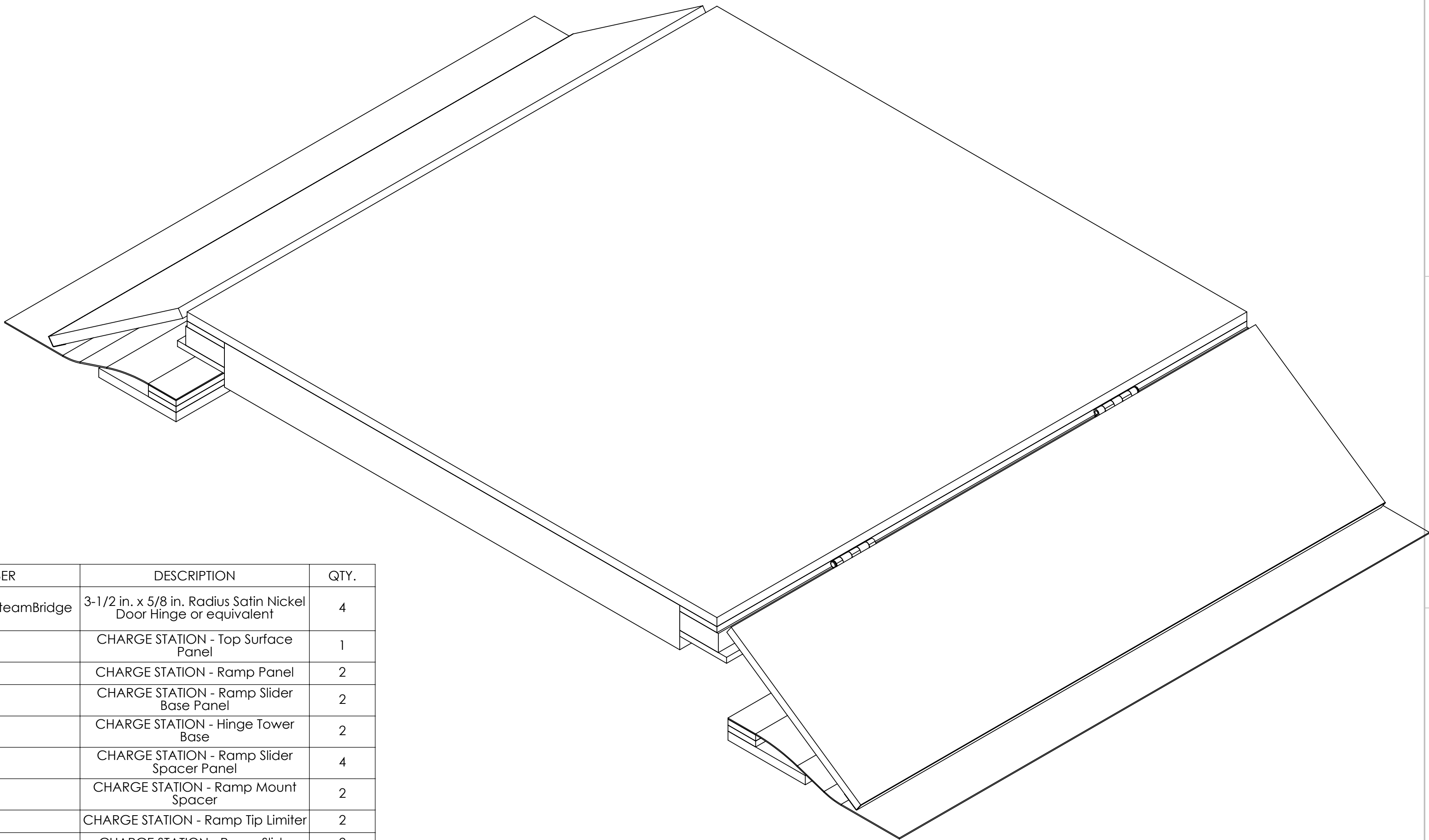
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	DRAWN	CO	12/30/2022	
<b>PROPRIETARY AND CONFIDENTIAL</b>		TITLE: <b>CHARGE STATION - Full Assembly</b>  THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF <b>FIRST®</b> . ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF <b>FIRST®</b> IS PROHIBITED.		
<b>COMMENTS:</b> REMOVE ALL BURRS AND SHARP EDGES.				
SIZE		DWG. NO.	REV	
<b>C</b>		TE-23300		
SCALE: 1:8		SHEET 1 OF 1		

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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	everbilt312x58Hinge_teamBridge	3-1/2 in. x 5/8 in. Radius Satin Nickel Door Hinge or equivalent	4
2	TE-23302	CHARGE STATION - Top Surface Panel	1
3	TE-23303	CHARGE STATION - Ramp Panel	2
4	TE-23304	CHARGE STATION - Ramp Slider Base Panel	2
5	TE-23305	CHARGE STATION - Hinge Tower Base	2
6	TE-23306	CHARGE STATION - Ramp Slider Spacer Panel	4
7	TE-23307	CHARGE STATION - Ramp Mount Spacer	2
8	TE-23308	CHARGE STATION - Ramp Tip Limiter	2
9	TE-23309	CHARGE STATION - Ramp Slide	2
10	TE-23310	CHARGE STATION - Double Hinge Strap	4
11	TE-23311	CHARGE STATION - Double Hinge Core	4
12	TE-23312	CHARGE STATION - Outer Support	2
13	TE-23313	CHARGE STATION - Double Hinge Mount	1
14	TE-23314	CHARGE STATION - Inner Brace	2
15	TE-23315	CHARGE STATION - Tip Limiter	4
16	TE-23316	CHARGE STATION - Double Hinge Auxillary Support	4
17	TE-23317	CHARGE STATION - Hinge Tower Vertical	4
18	TE-23318	CHARGE STATION - Hinge Tower Top	2
19	TE-23319	CHARGE STATION - Ramp Mount	2
20	hex_.25_20_3.75_partial	Steel Hex Head Bolt, 1/4-20 x 3.75", partially threaded	4
21	nylock_.25_20	Steel Nylon-Insert Locknut, 1/4"-20	4
22	loop_2x48	2" x 48" Loop, Adhesive Backed	2
23	washer_flat_.25	Flat Washer for 1/4" Screw	16

Notes:

1. TE-23310, TE-23311, hex\_.25\_20\_3.75\_partial, washer\_flat\_.25, and nylock\_.25\_20 can be replaced if manufacturing your own field version hinges (GE-23328) or purchasing them from AndyMark (am-4940\_2 or am-4940\_4).
2. Driving surface of real CHARGE STATION is polycarbonate. To more accurately represent driving scenarios, a thin layer of polycarbonate can be attached to top surfaces.

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	DRAWN	CO	12/29/2022	
<b>PROPRIETARY AND CONFIDENTIAL</b>		TITLE: <b>CHARGE STATION - Half Build</b>		
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<b>COMMENTS:</b>		<b>C</b>	TE-23301	
REMOVE ALL BURRS AND SHARP EDGES.		SCALE: 1:5		SHEET 1 OF 10

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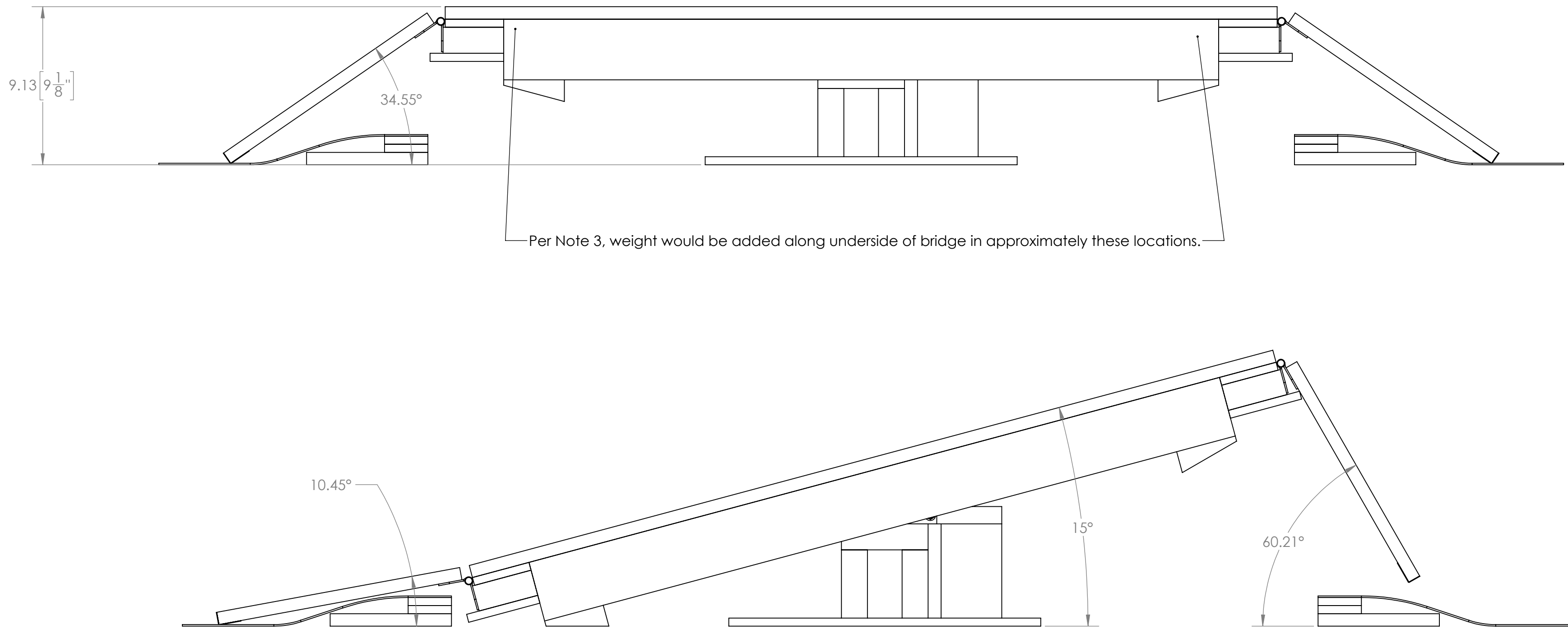
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- Notes:
1. Dimensions shown are approximate and will vary depending on build quality. Dimensions shown are to allow comparison to real CHARGE STATION.
  2. Field CHARGE STATION features a double hinge (GE-23328) with a pivot center to center of 5.3 in. For ease of manufacturing, TE-23311 features a center to center distance of 5.25 in. If delta is deemed important, TE-23311 should be manufactured with a 5.3 in. center distance, and mounting reference dimensions may vary slightly.
  3. Pivoting assembly of field CHARGE STATION has a CAD-estimated weight of 209 lbs. To better emulate field behavior, weights can be added to achieve a more similar weight, center of mass, and moment of inertia. Weight of TE builds will vary heavily based on types of lumber used. CAD-model estimated version approximates 67.5 lbs of weight should be added per side if building only a half CHARGE STATION, or 30.5 lbs of weight per side if building a full CHARGE STATION. These estimates are with a CAD-estimated weight of the pivoting assembly of 74 lbs.

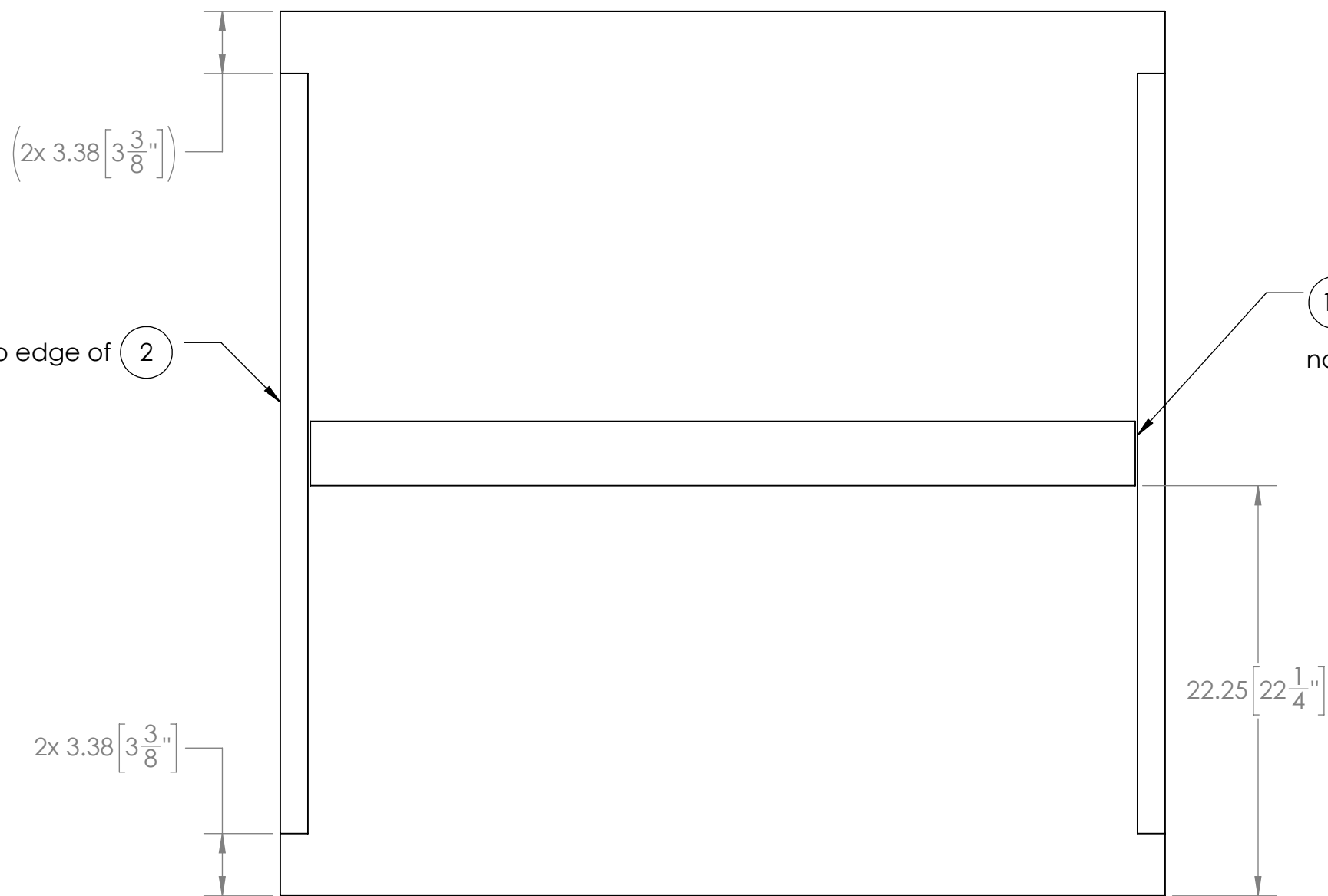
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	DRAWN	CO	12/29/2022	
	<b>PROPRIETARY AND CONFIDENTIAL</b>			<b>TITLE:</b> CHARGE STATION - Half Build  SIZE DWG. NO. REV <b>C</b> TE-23301  SCALE: 1:5 SHEET 2 OF 10
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	<b>COMMENTS:</b> REMOVE ALL BURRS AND SHARP EDGES.			

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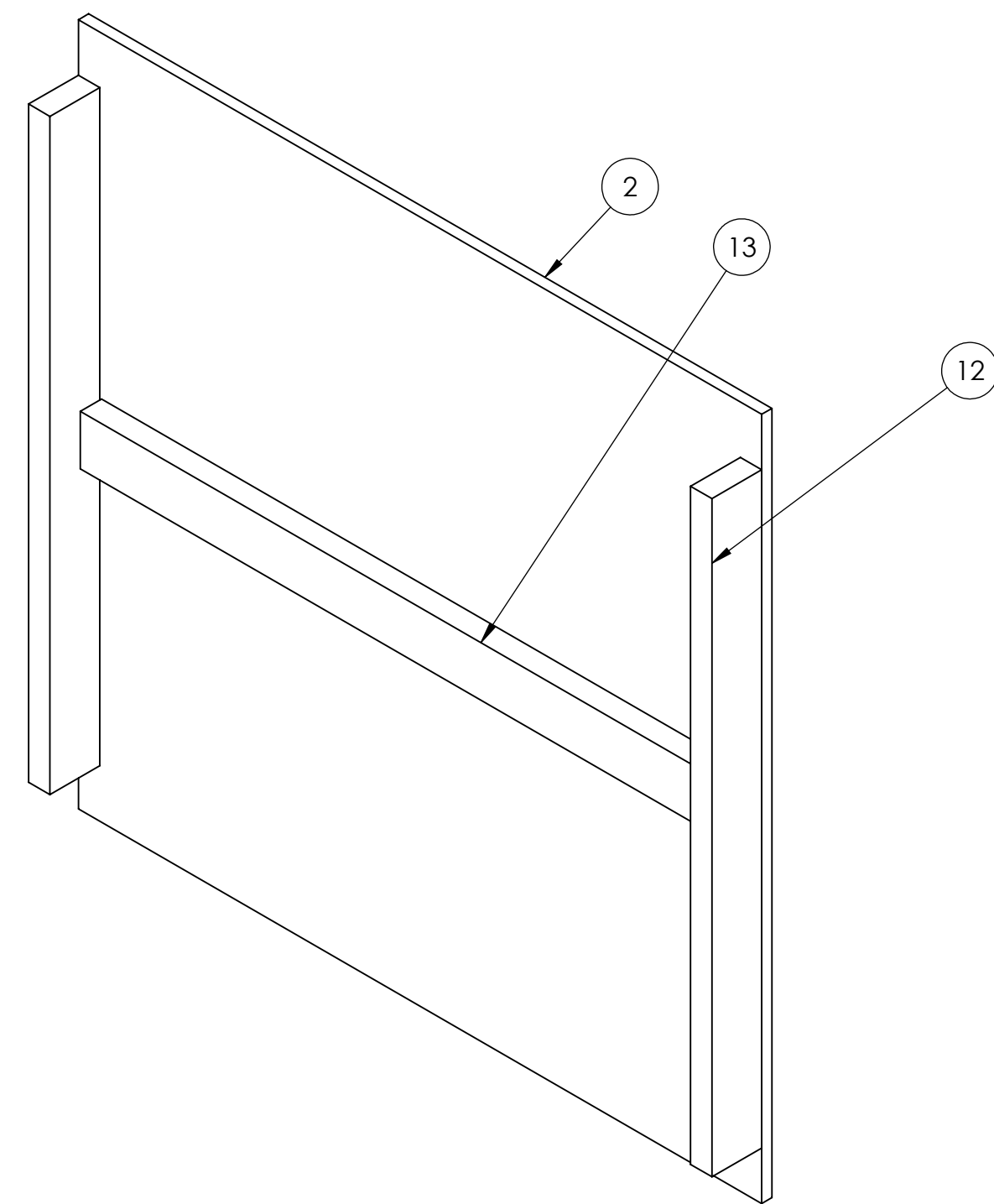


Align (12) flush to edge of (2)

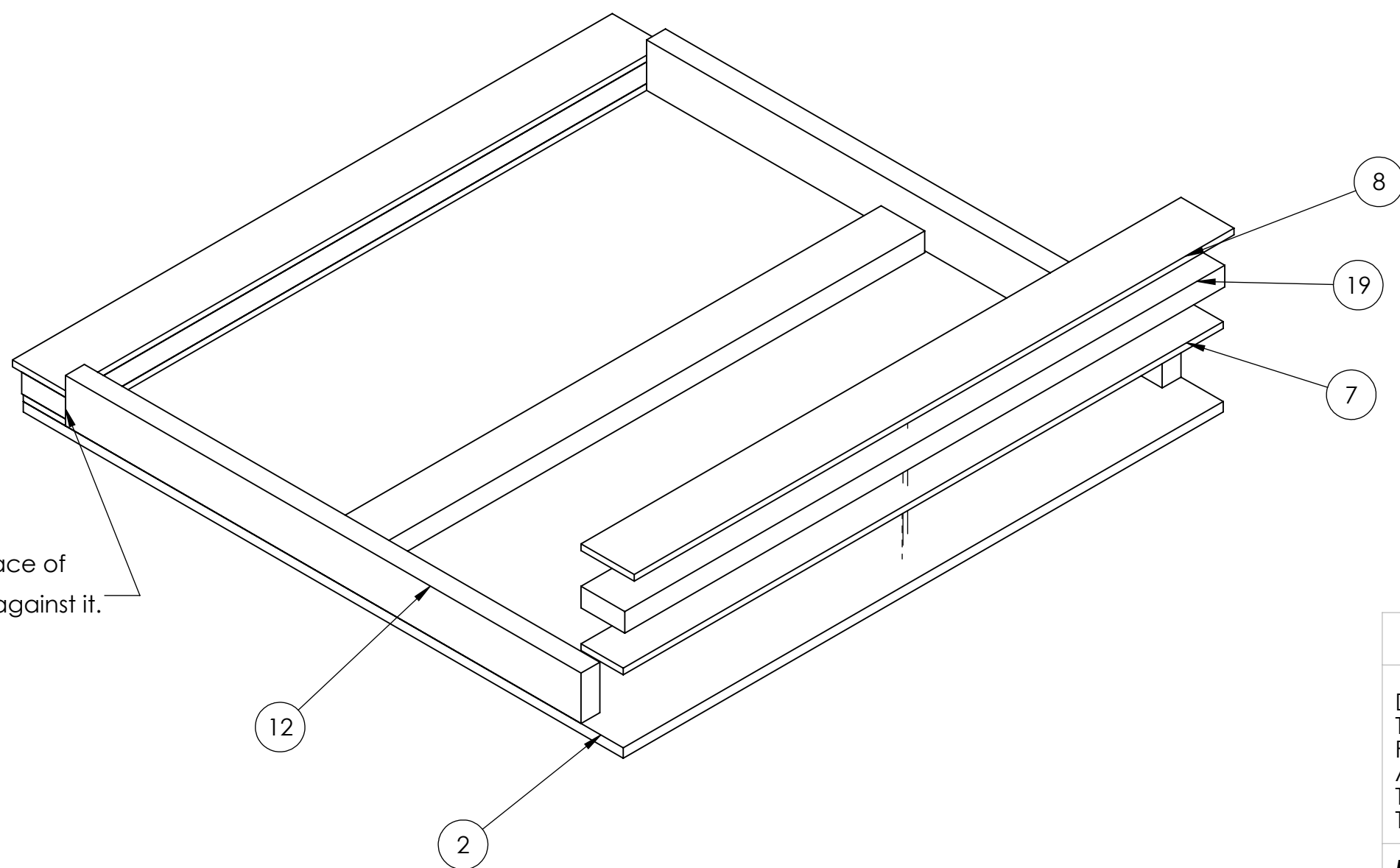
(13) is slightly undersized, may or may not end up flush against either (12).

2x 3.38 [3 3/8"]

22.25 [22 1/4"]

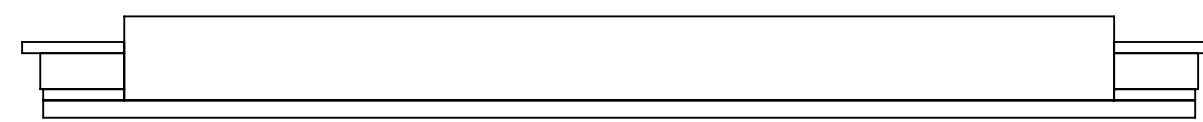




Step 1:  
Attach (12)x2 and (13) to (2) as shown using #8 wood screws.



All pieces aligned with face of (12) and pressed flush against it.

Step 2:  
Attach (8) (19) (7) stack to (2) on both sides of subassembly as shown using #8 wood screws.



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	DRAWN	CO	12/29/2022	
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	<b>COMMENTS:</b> REMOVE ALL BURRS AND SHARP EDGES.			SIZE: <b>C</b> DWG. NO.: <b>TE-23301</b> REV:
DO NOT SCALE DRAWING				SCALE: 1:8 SHEET 3 OF 10

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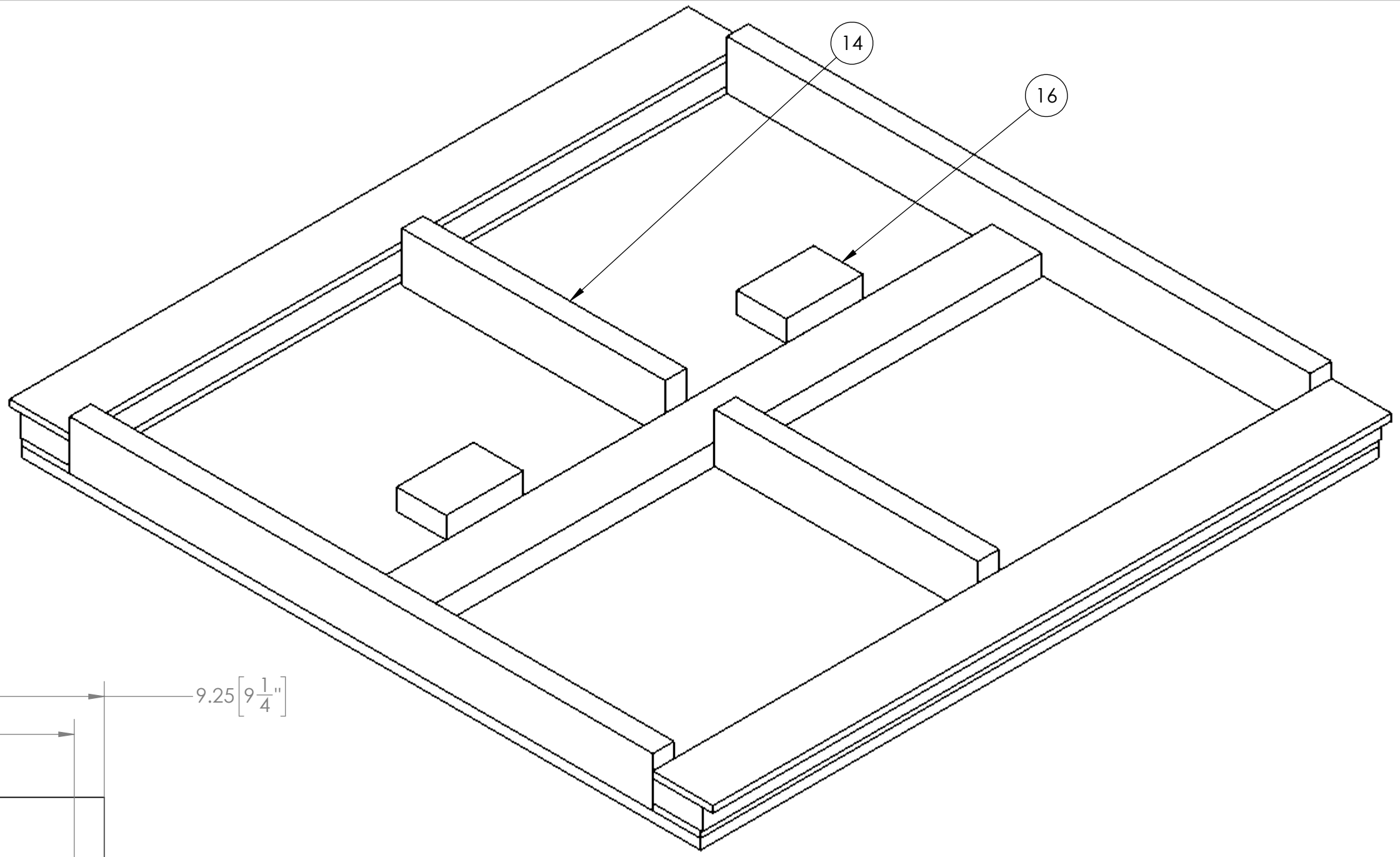
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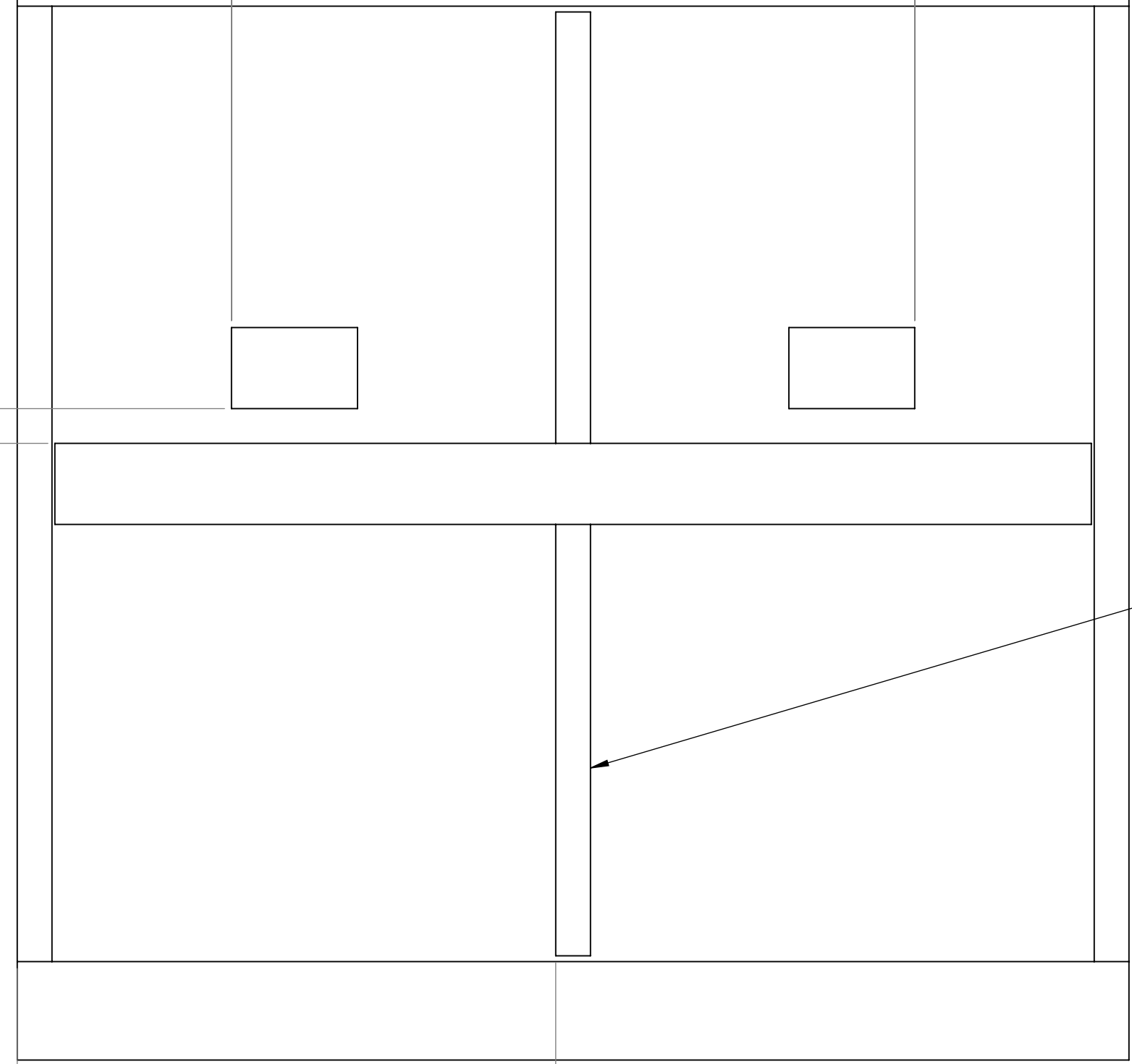
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Step 3:  
 Attach (14) x2 and (16) x2  
 to the subassembly as  
 shown using #8 wood  
 screws.




9.25 [9 1/4"]      (7.75 [7 3/4"])      7.75 [7 3/4"]      9.25 [9 1/4"]

2x 1.50 [1 1/2"]



2x 23.25 [23 1/4"]

Precise alignment of (14) not critical to function.

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				<b>CHARGE STATION - Half Build</b>
SIZE		DWG. NO.	REV	
<b>C</b>		TE-23301		
SCALE: 1:6			SHEET 4 OF 10	

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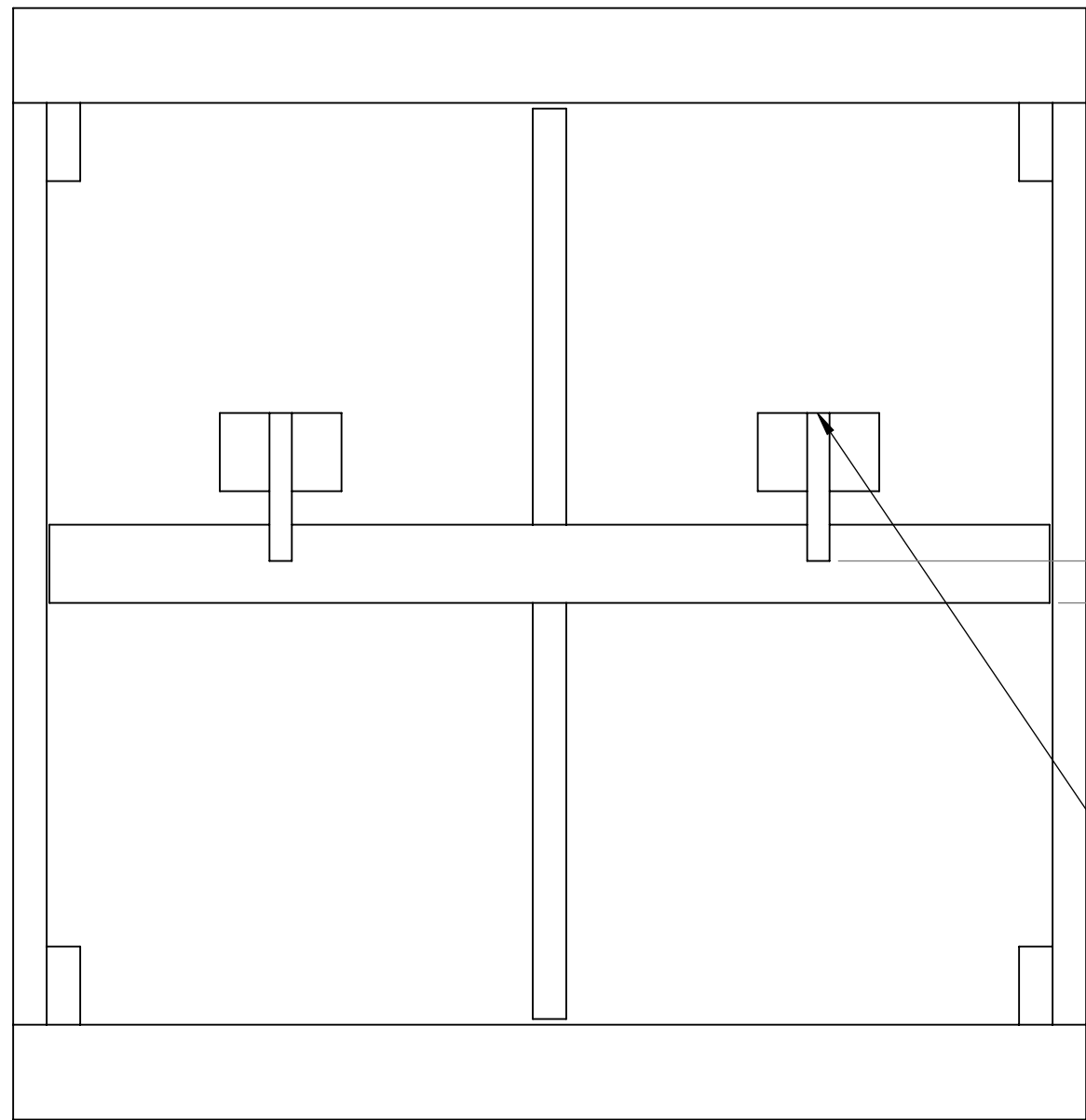
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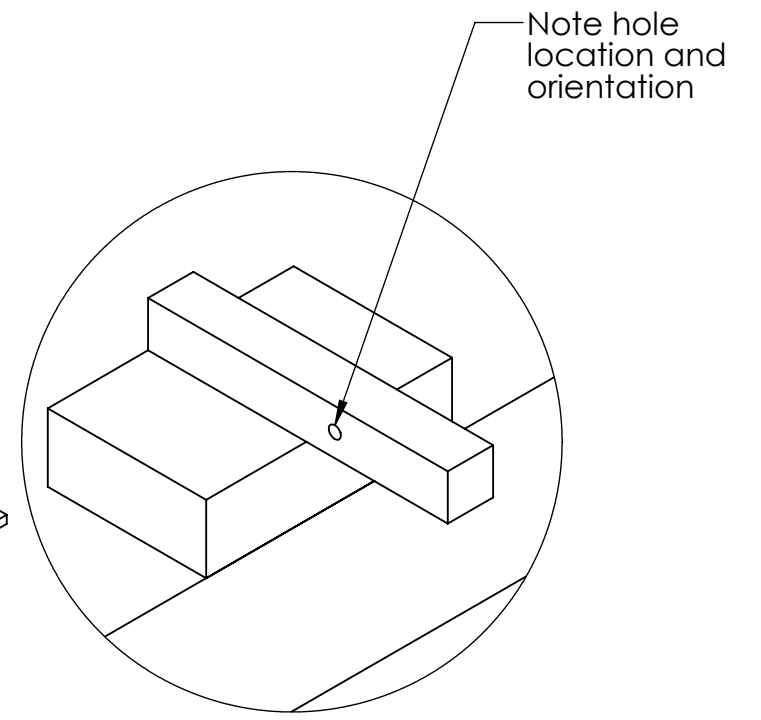
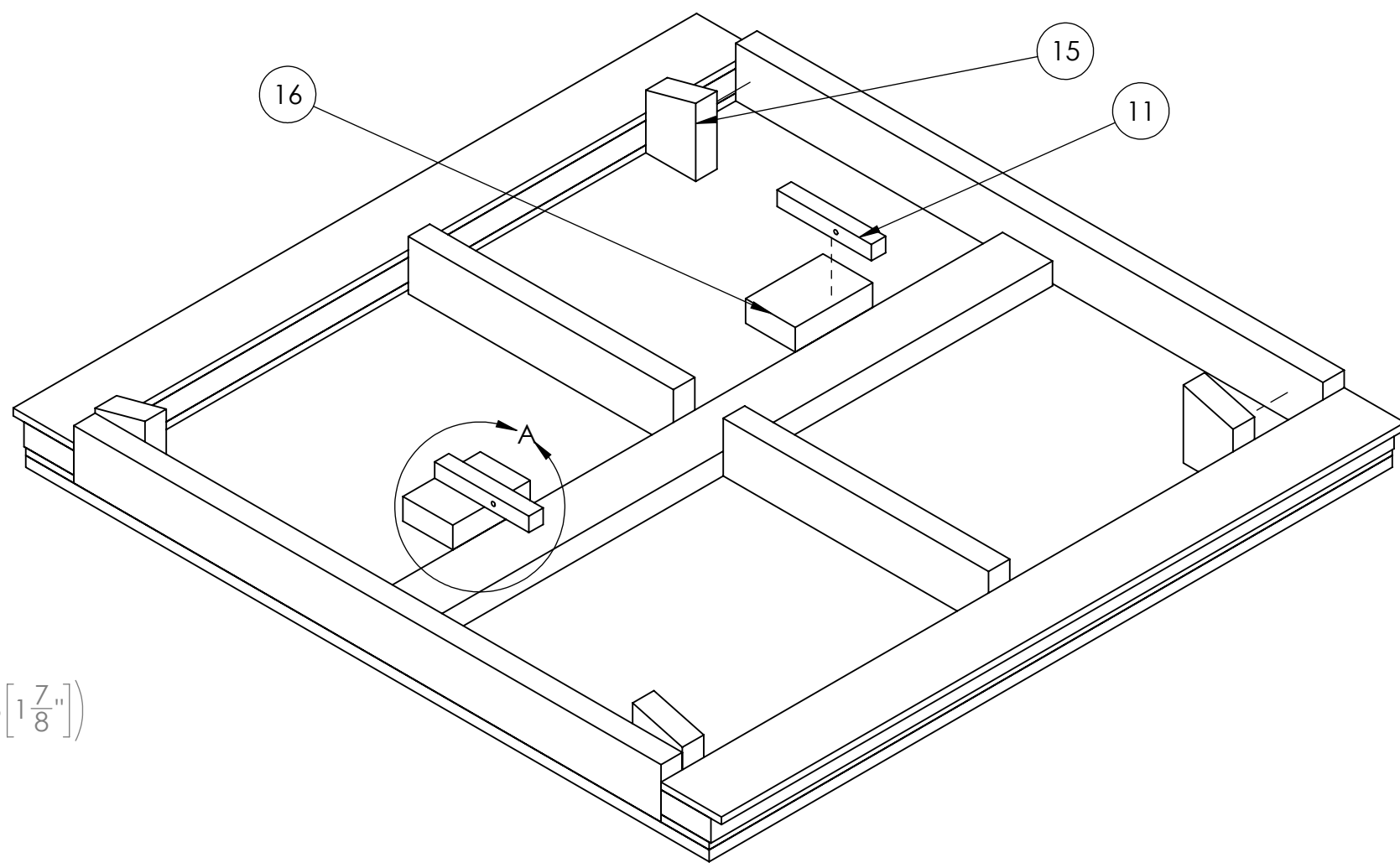
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1.88 [1 7/8"]

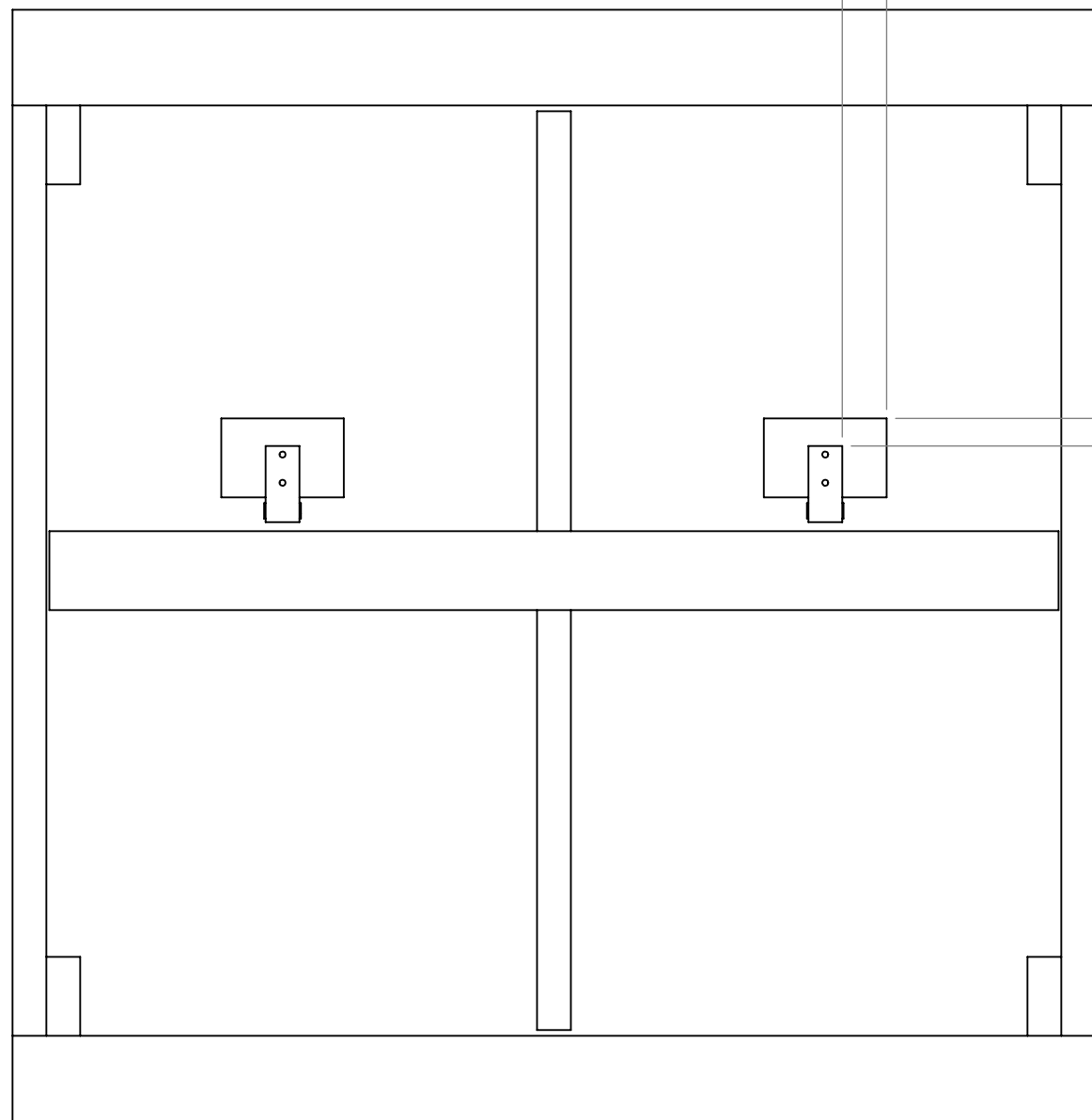
(11) Should be centered on the width of (16), and edges should be aligned.



DETAIL A  
SCALE 1 : 3


Step 4:  
 Attach (11) x2 and (15) x4 to assembly as shown using #8 wood screws.  
 When attaching (11), predrill holes to avoid splitting the lumber.  
 If using metal tubing for (11) instead of lumber, consider fastening with 1/4" lag bolts.

If using GE-23328, am-4940\_2, or am-4940\_4, replace each (11) with a double hinge block (with bushings already installed if press-fit). Attach with 1/4" lag bolts



1.97 [1 31/32"]

1.23 [1.23]

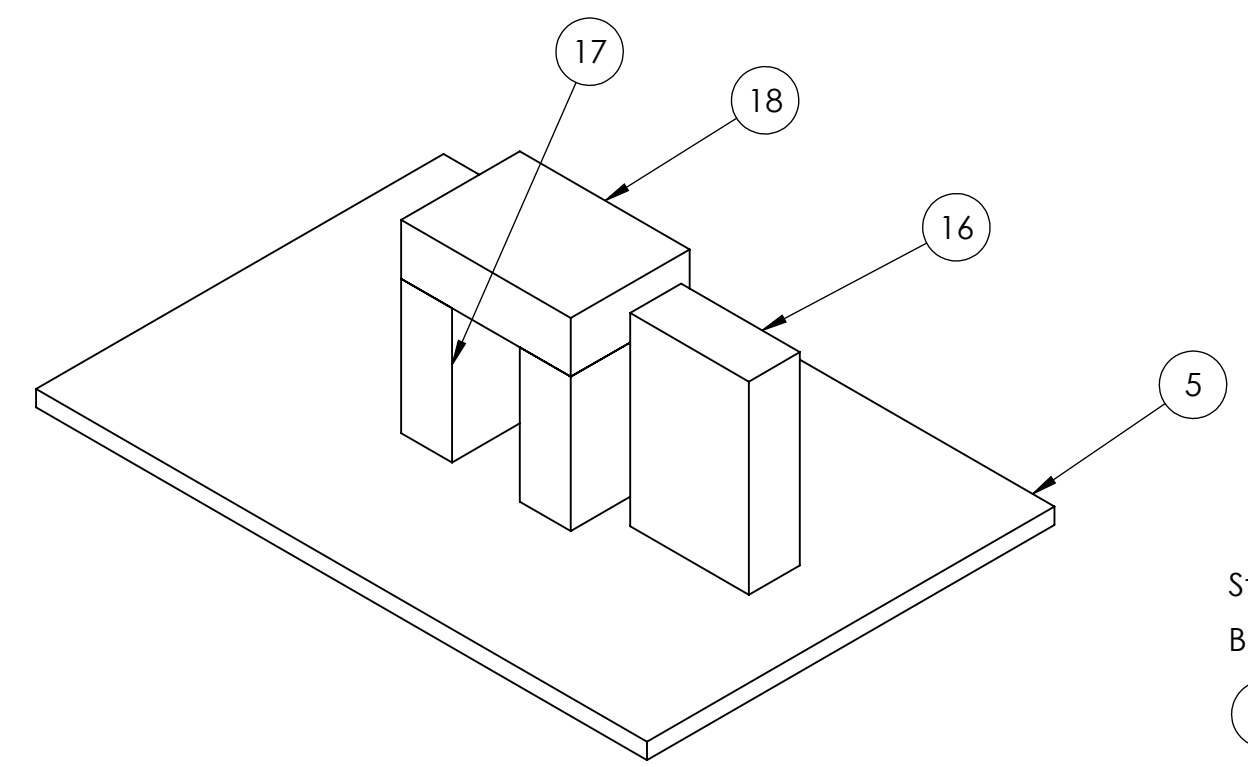
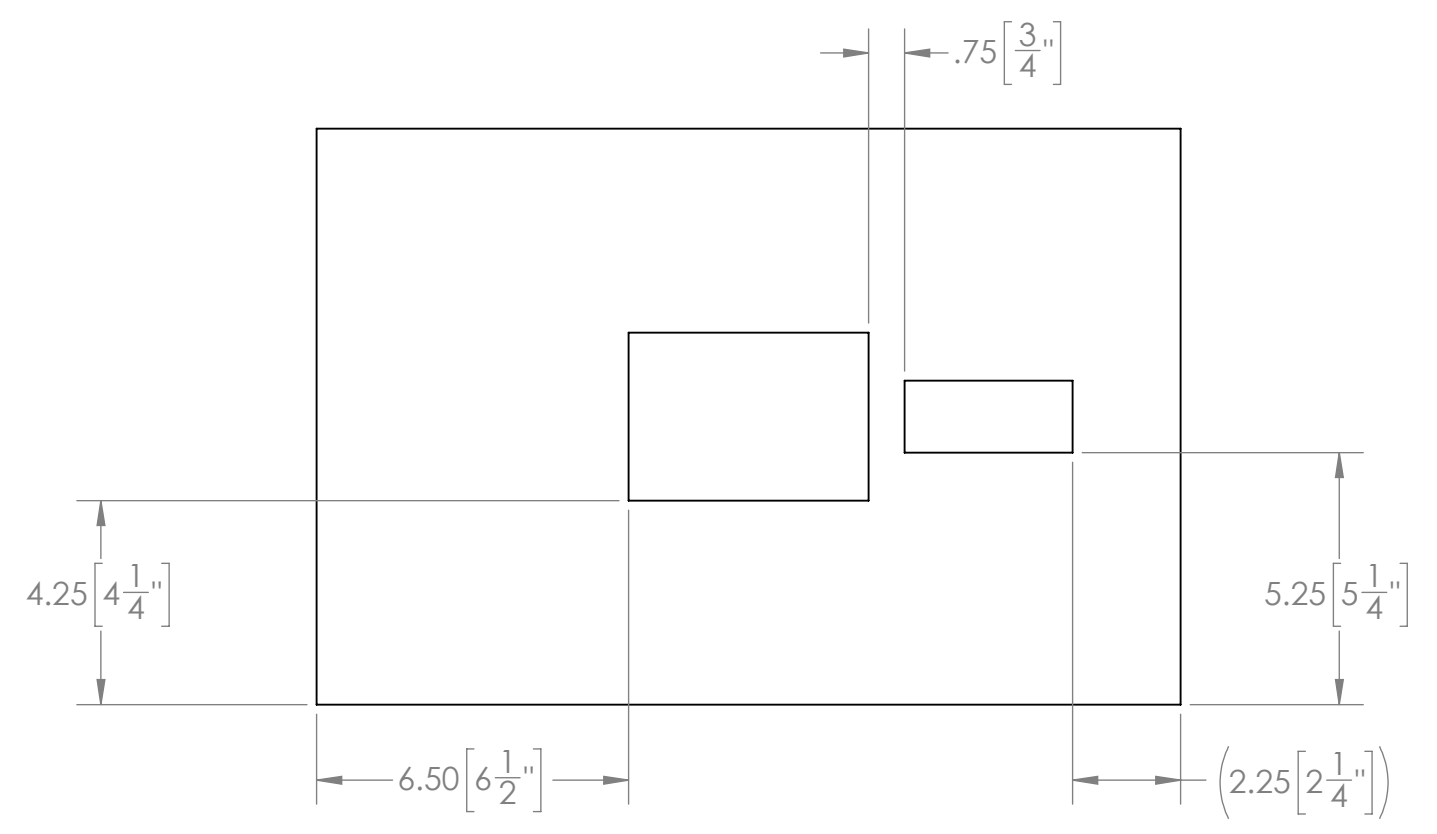
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	DRAWN	CO	12/29/2022	
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	<b>COMMENTS:</b>			SCALE: 1:8 SHEET 5 OF 10
	REMOVE ALL BURRS AND SHARP EDGES.			

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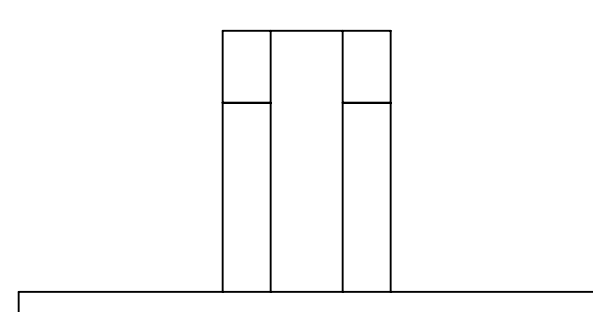
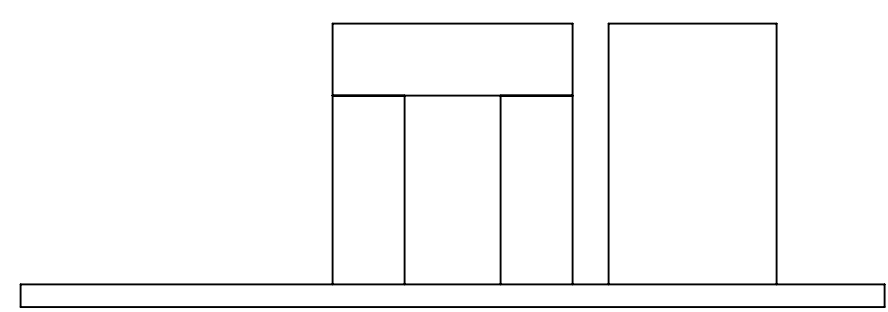
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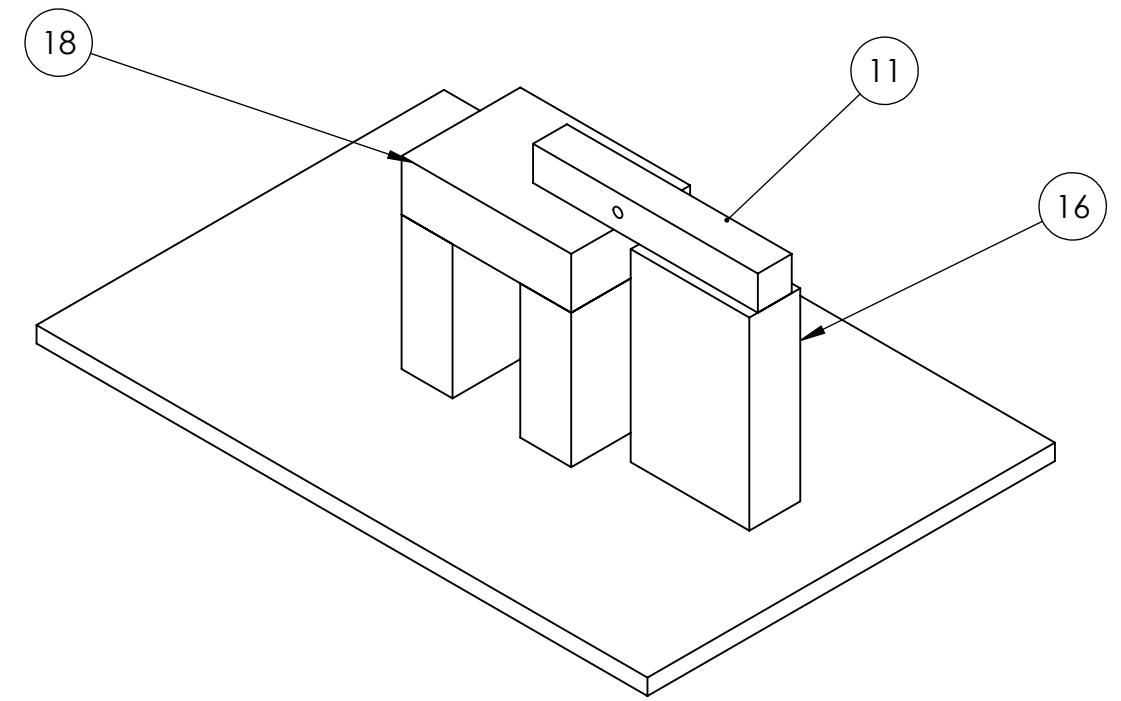
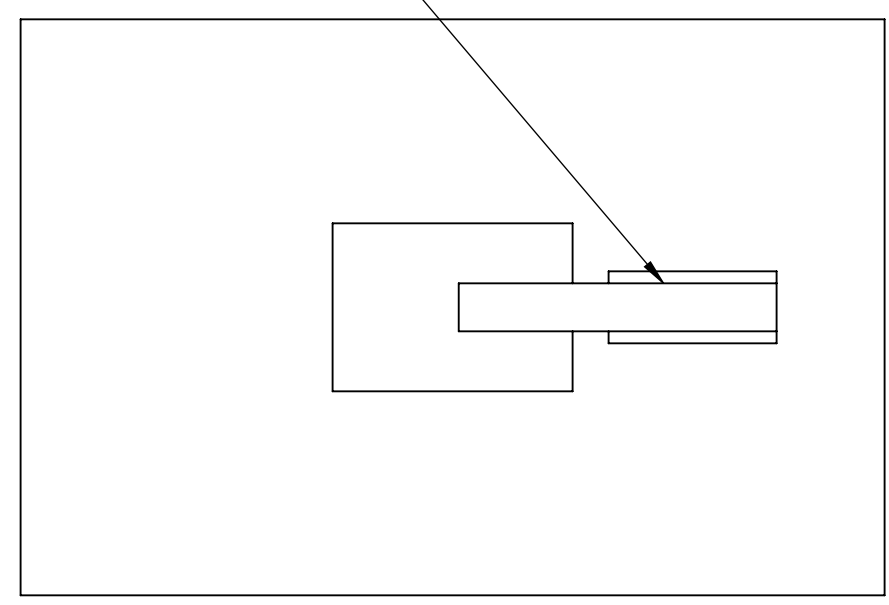
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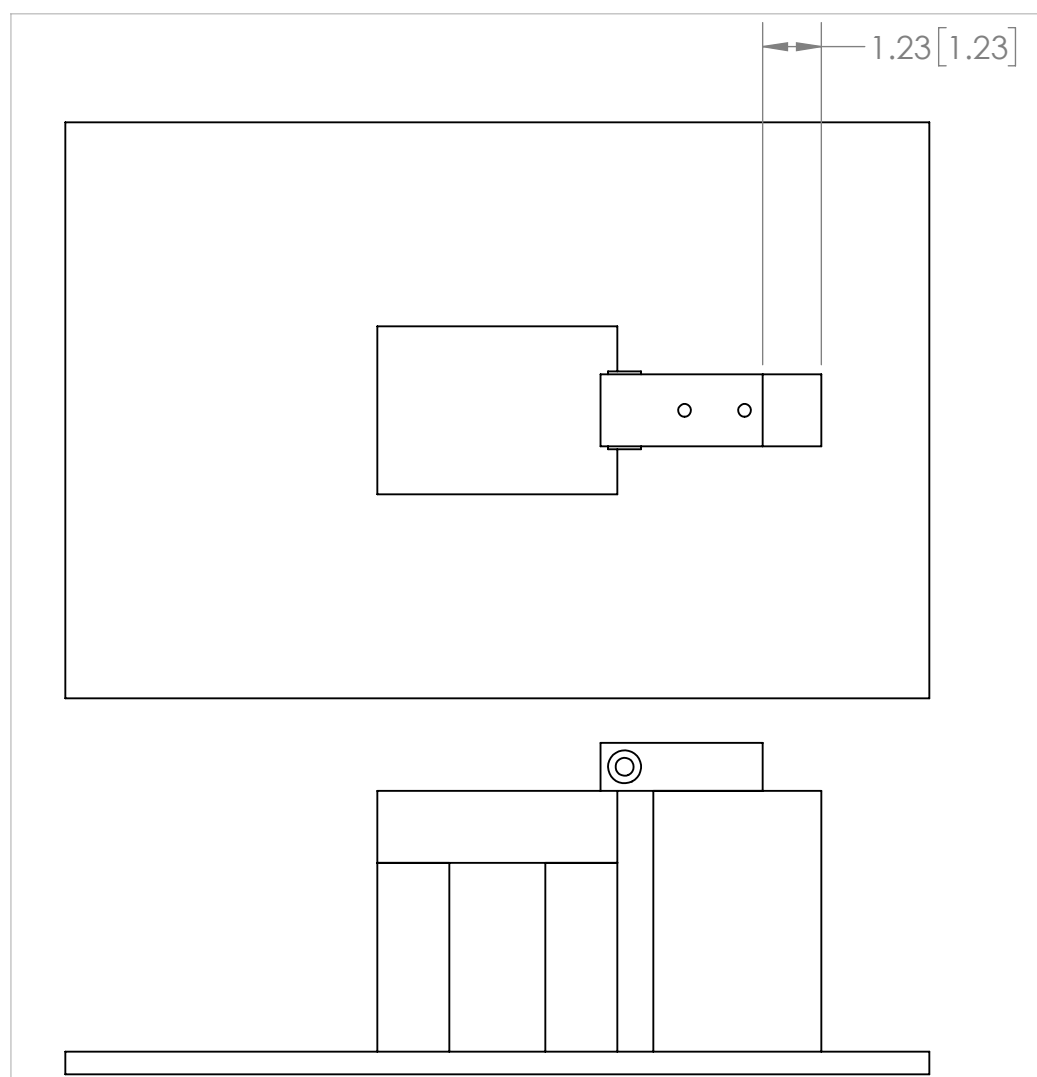
Step 5:  
Build 2x assemblies of (5), (16), (17) x2, and (18) as shown. Fasten using #8 wood screws. Dimensions of part on (5) are not critical to function. Alignment and spacing between (16) and (18) is important.



(11) approximately centered on thickness of (16). Not critical to function.

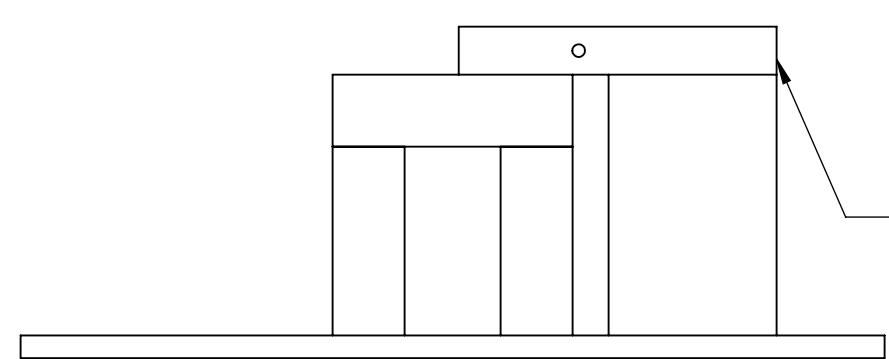


If using GE-23328, am-4940\_2, or am-4940\_4, replace (11) with a double hinge block (with bushings already installed if press-fit). Attach with 1/4" lag bolts



Align edge of (11) with edge of (16)

Step 6:  
Attach (11) to (18) and (16) as shown using #8 wood screws. Pre-drill holes to avoid splitting (11). Repeat to have 2 assemblies like this.



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DO NOT SCALE DRAWING	<b>COMMENTS:</b>		
	REMOVE ALL BURRS AND SHARP EDGES.		

TITLE: CHARGE STATION - Half Build		
SIZE	DWG. NO.	REV
<b>C</b>	TE-23301	
SCALE: 1:4		SHEET 6 OF 10

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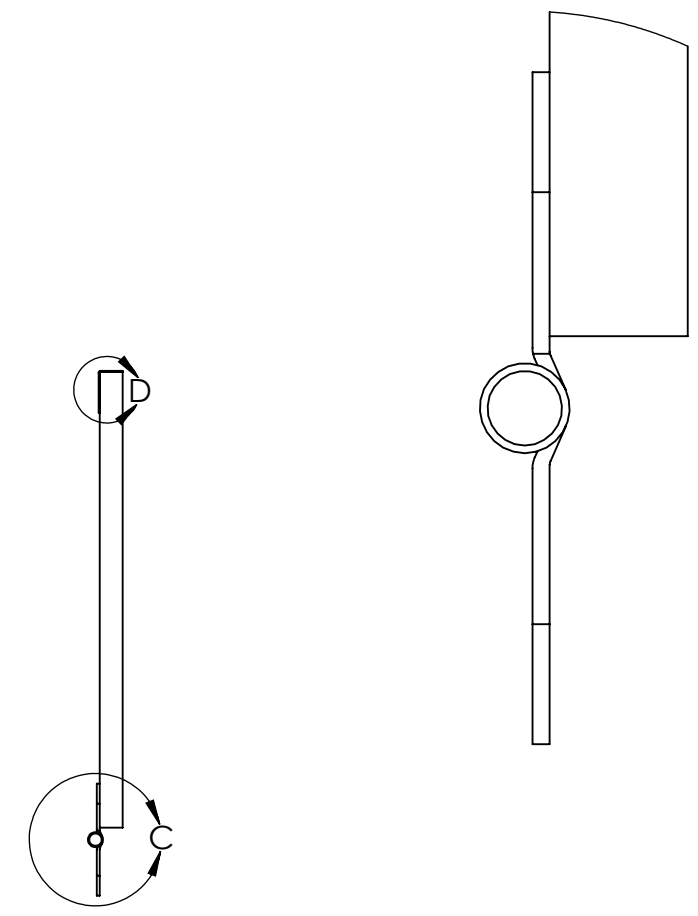
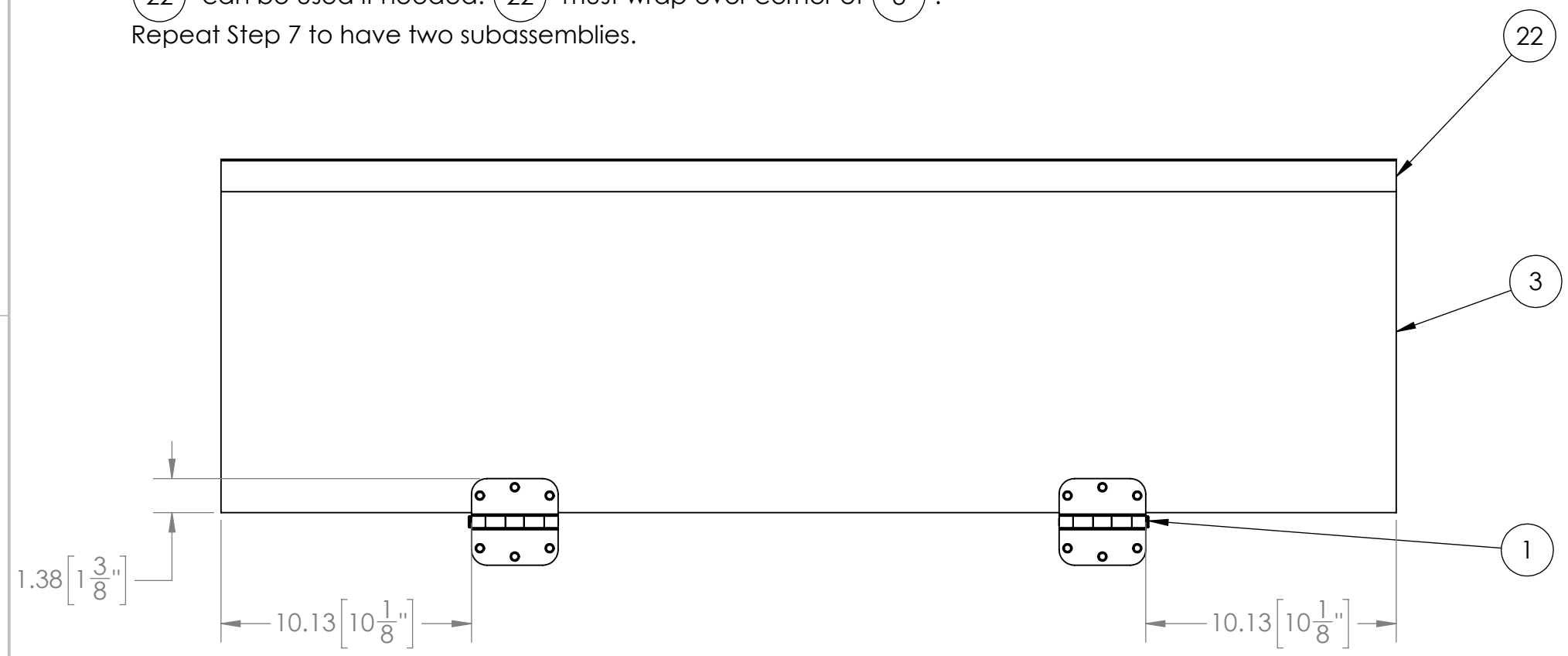
Step 7:

Attach (1) x2 to (3) using #8 wood screws. Note orientation of (1) as shown in detail view.

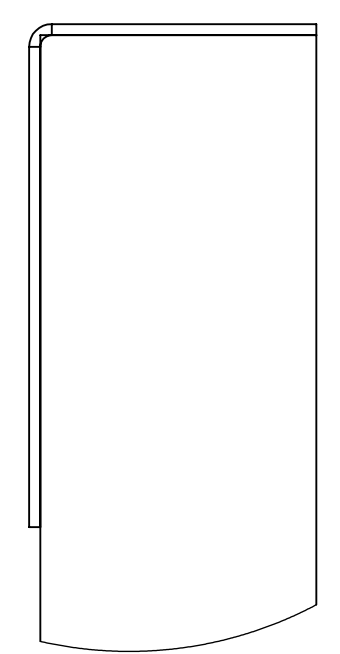
Attach (22) to (3) in location shown. (22) should be on same face of (3) as (1). Narrower

(22) can be used if needed. (22) must wrap over corner of (3).

Repeat Step 7 to have two subassemblies.



DETAIL C  
SCALE 1 : 1

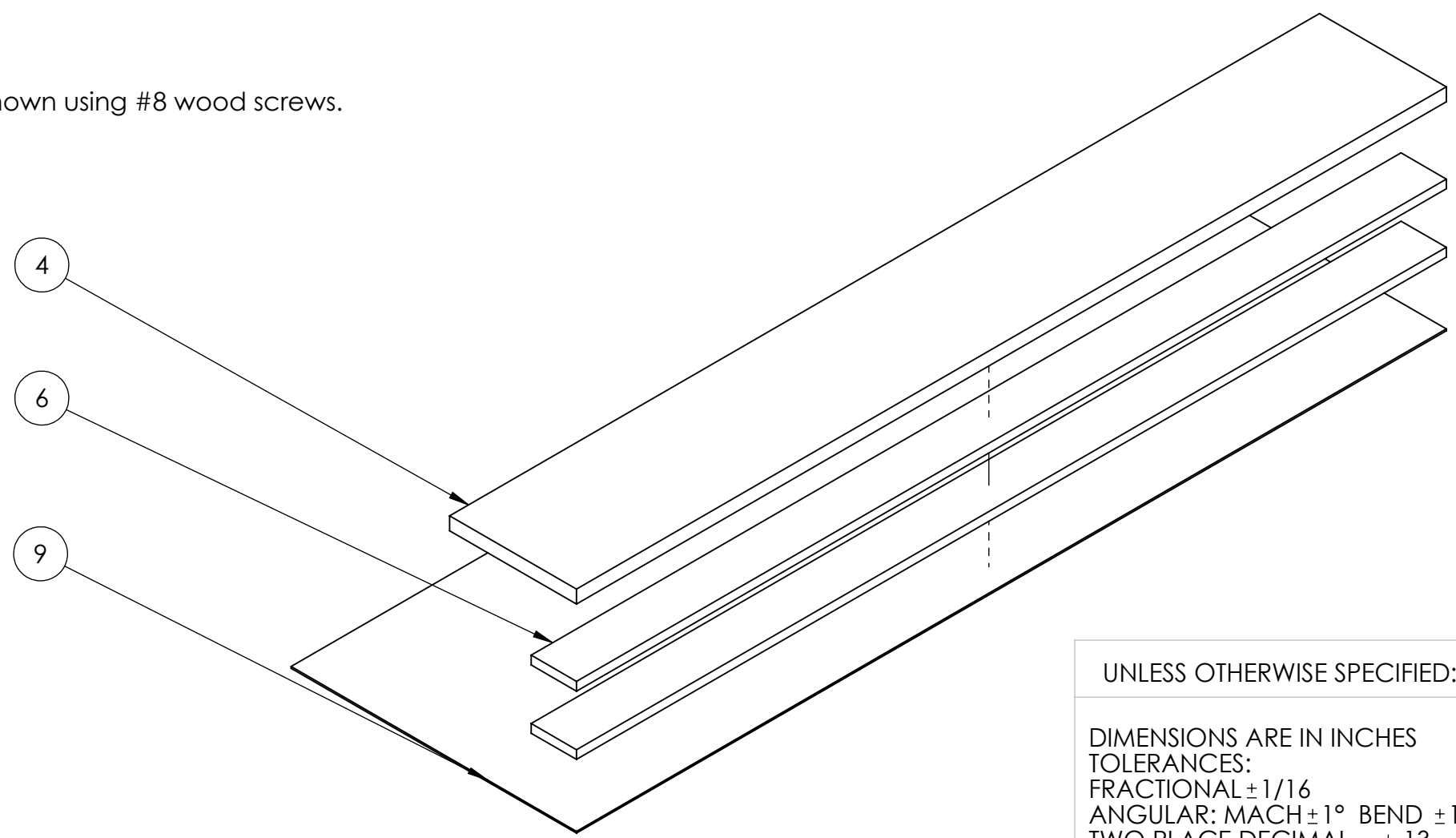



DETAIL D  
SCALE 2 : 1

Step 8:

Attach (9), 2x (6), and (4) together as shown using #8 wood screws.

Repeat step 8 to have two subassemblies.



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	DRAWN	CO	12/29/2022	
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	<b>COMMENTS:</b> REMOVE ALL BURRS AND SHARP EDGES.			SIZE DWG. NO. REV <b>C</b> TE-23301
SCALE: 1:6		SHEET 7 OF 10		



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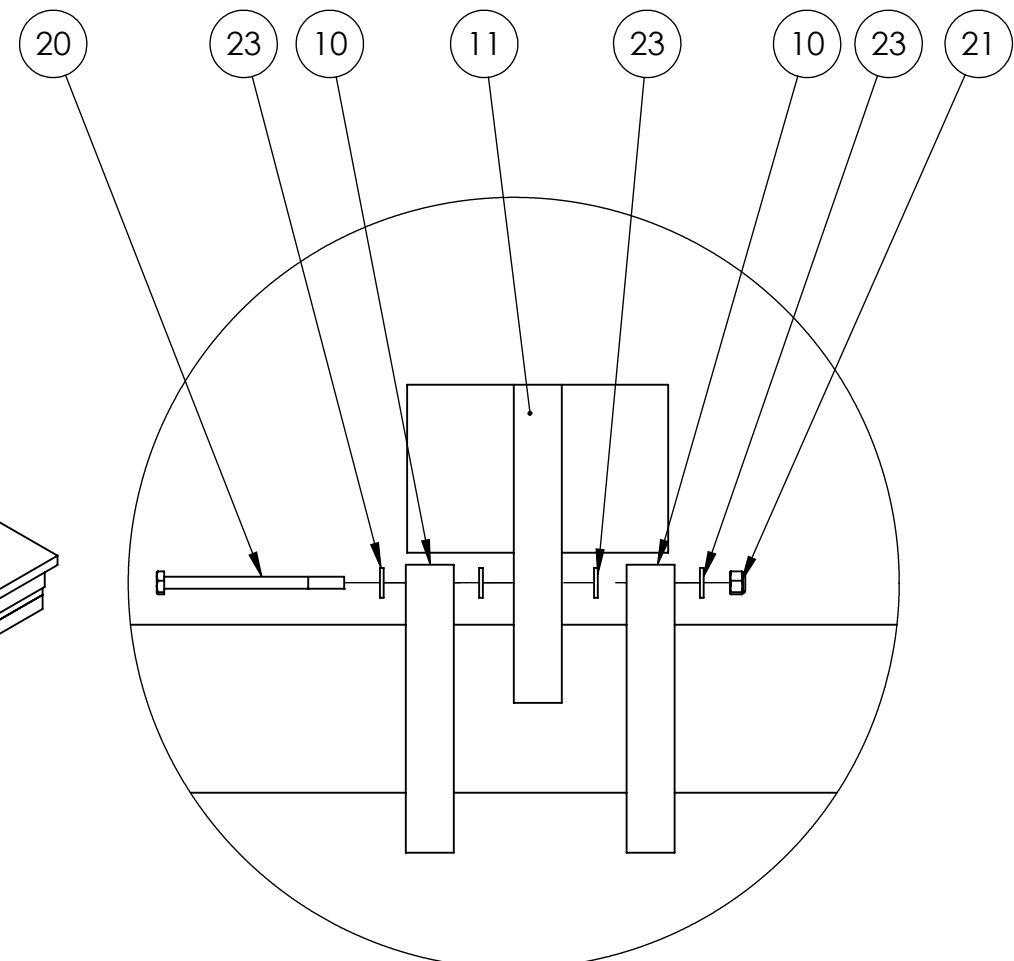
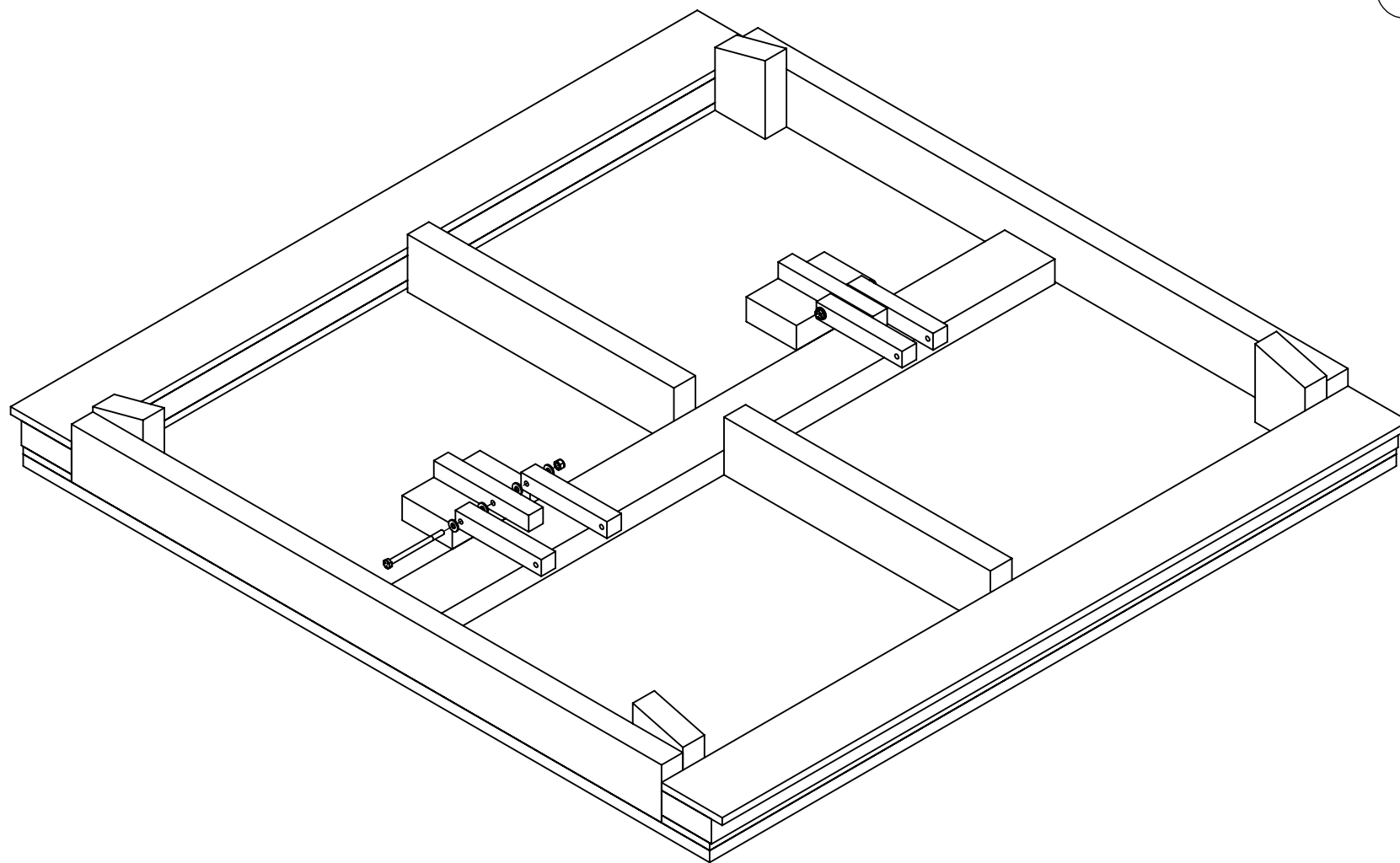
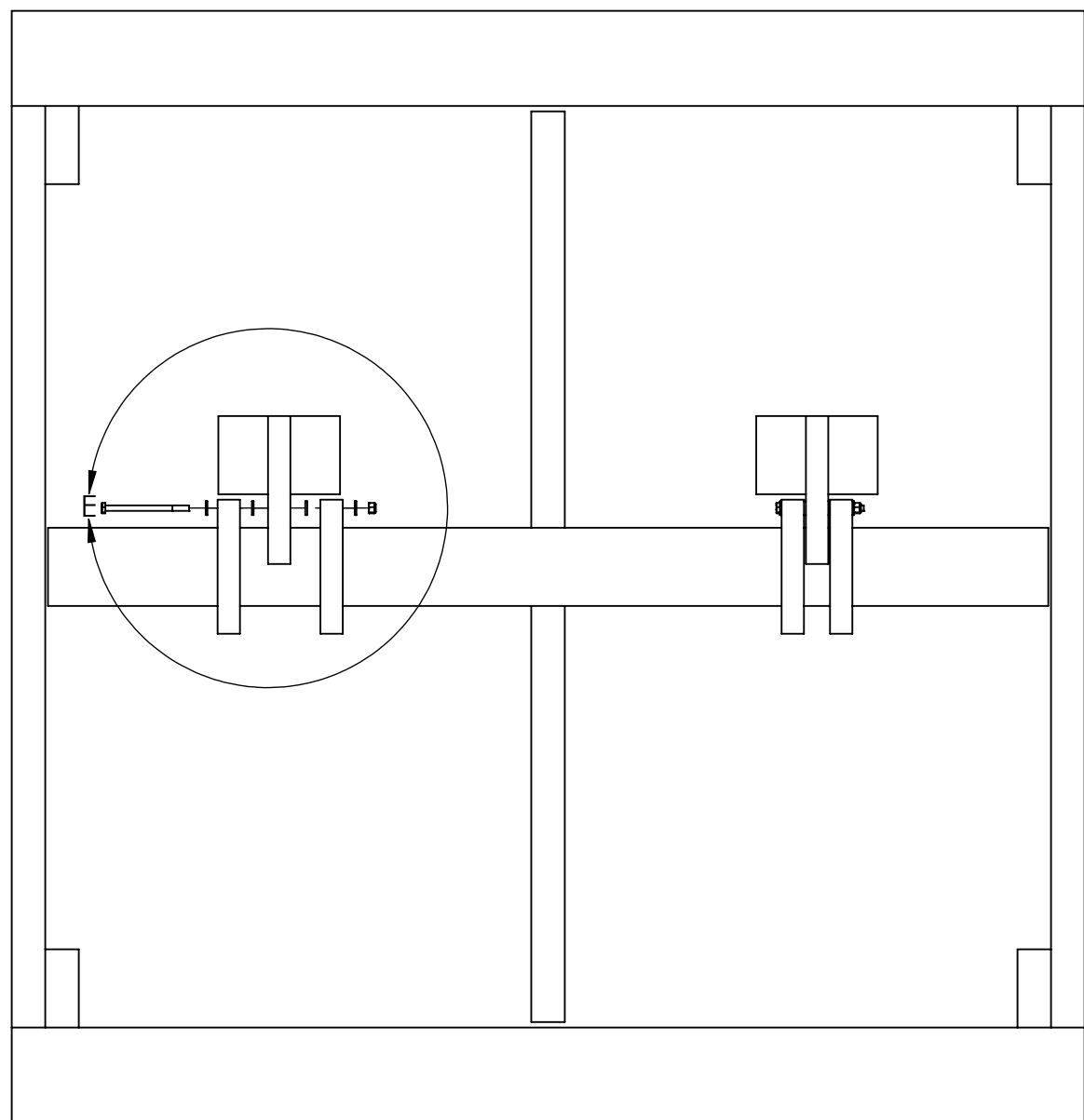
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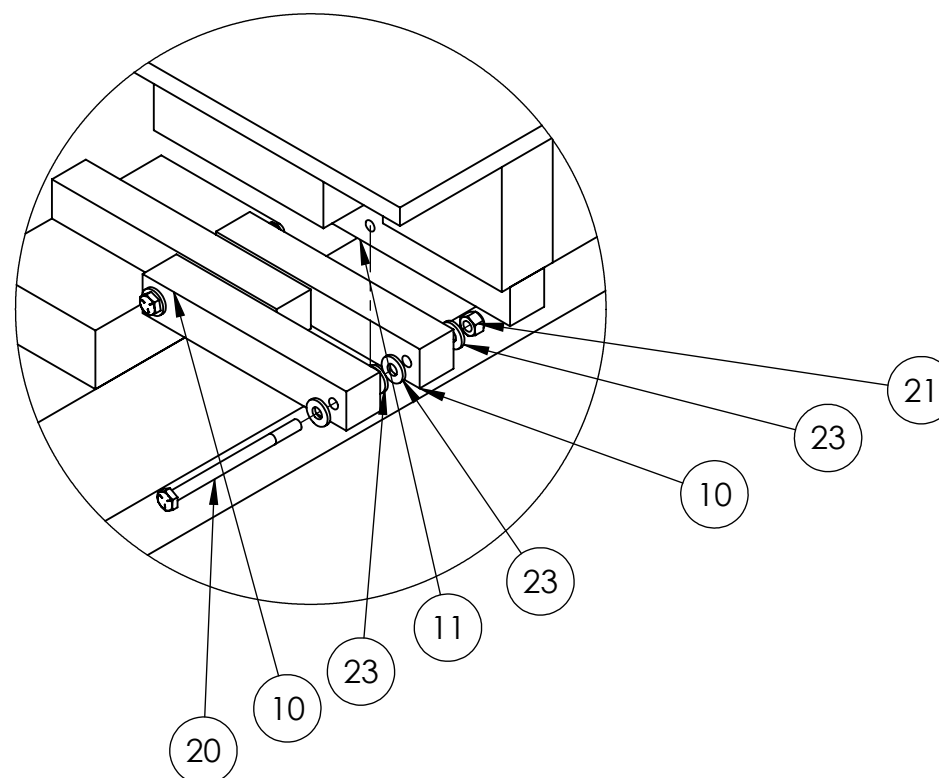
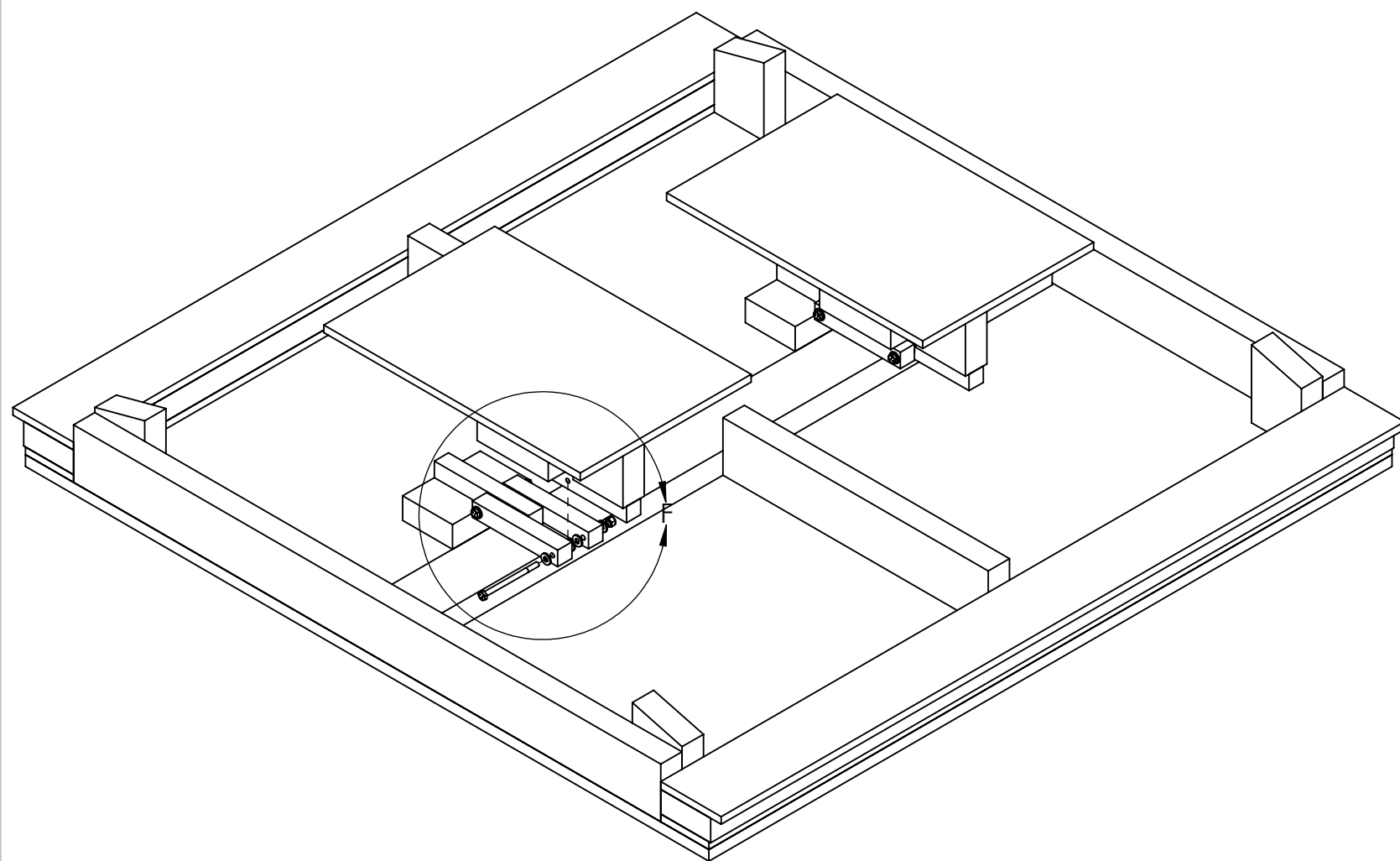


DETAIL E  
SCALE 1 : 4

Step 9:  
 Attach (10) x2 to each (11) on the assembly from step 4 using (20), (23), and (21) as shown.  
 Do not overtighten! (10) should freely rotate.  
 If using GE-23328, am-4940\_2, or am-4940\_4, replace (10) with hinge bars with bushings installed (bushings should face bushings of hinge block) and fasten using shoulder bolts.

B

B





DETAIL F  
SCALE 1 : 4

Step 10:  
 Attach subassembly from step 6 to assembly from step 9 by connecting (11) and (10) using same hardware pattern as step 9.  
 Do not overtighten bolts!

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	DRAWN	CO	12/29/2022	
	<b>PROPRIETARY AND CONFIDENTIAL</b>			TITLE: <b>CHARGE STATION - Half Build</b>  SIZE DWG. NO. REV <b>C</b> TE-23301
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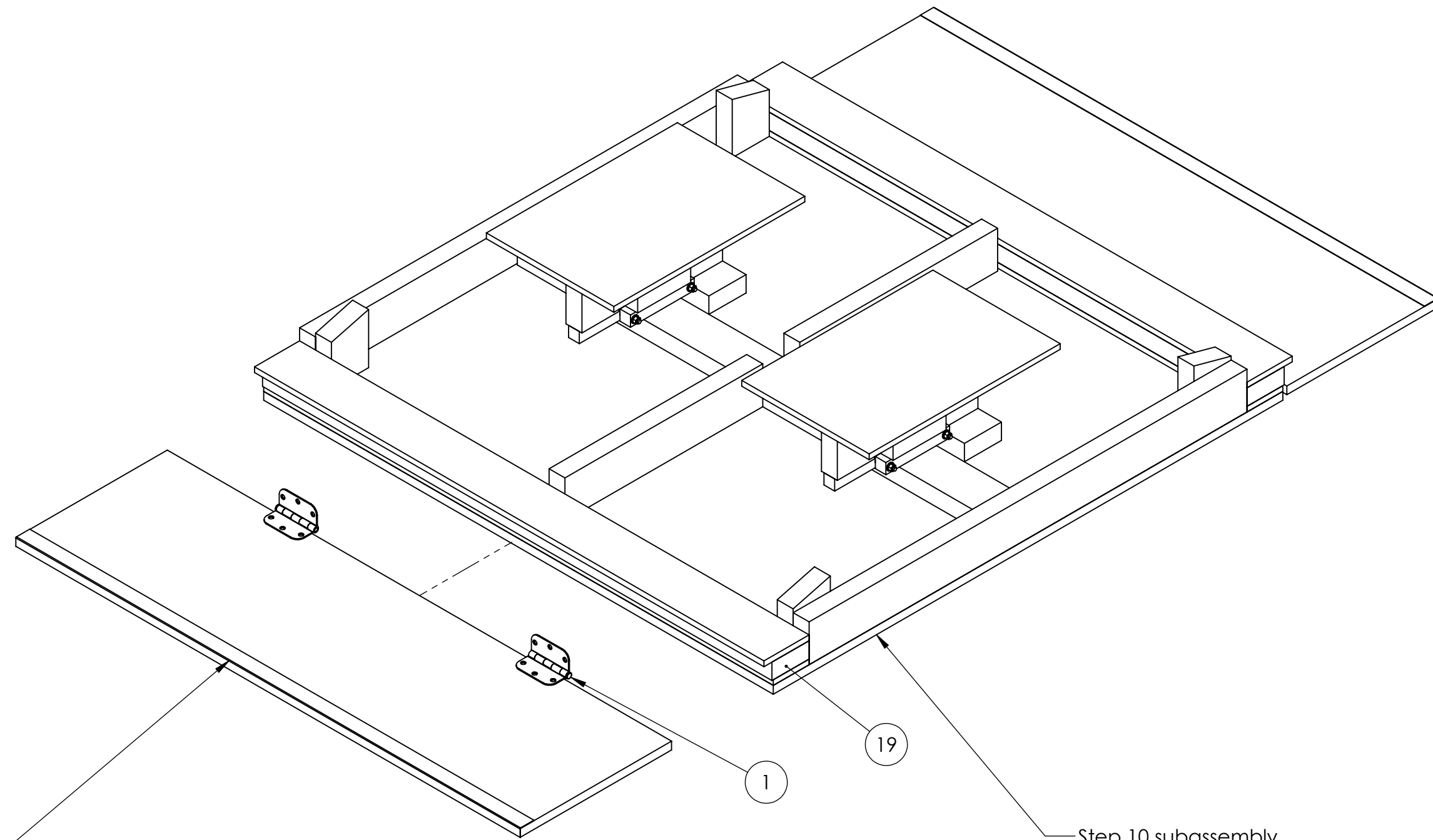
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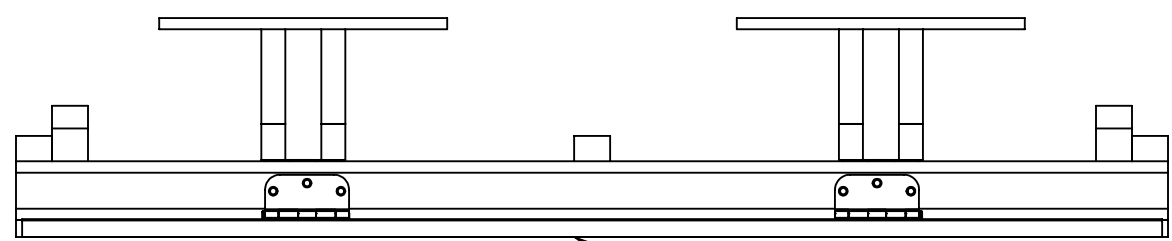
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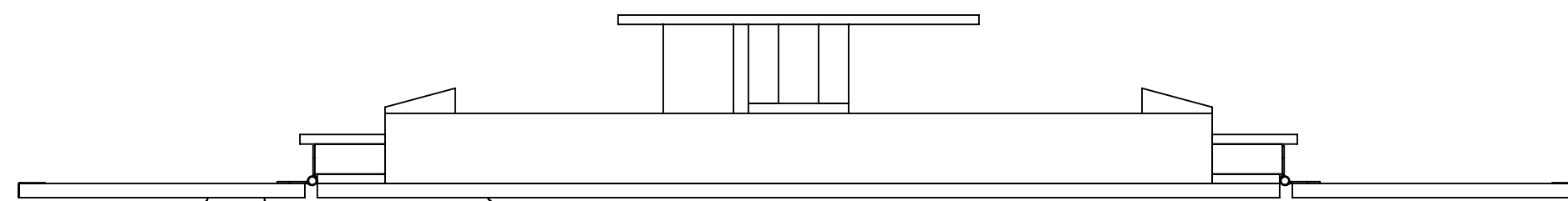


Step 7 subassembly.

Step 10 subassembly.





Step 7 subassembly should be centered on width of step 10 subassembly. Small gaps on left and right end expected.



Face of (3) should be planar with face of (2).

Step 11:  
Attach 2x Step 7 Subassemblies to assembly from Step 10 as shown using wood screws.  
Connect by attaching (1) to (19).

UNLESS OTHERWISE SPECIFIED:  DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ±1/16 ANGULAR: MACH±1° BEND ±1° TWO PLACE DECIMAL ±.13 THREE PLACE DECIMAL ±.125  <b>MATERIAL/FINISH:</b>  DO NOT SCALE DRAWING	TEAM	NAME	DATE	 
	DRAWN	CO	12/29/2022	
	<b>PROPRIETARY AND CONFIDENTIAL</b>			<b>TITLE:</b> CHARGE STATION - Half Build  SIZE DWG. NO. REV <b>C</b> TE-23301  SCALE: 1:8 SHEET 9 OF 10
	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.			
	<b>COMMENTS:</b> REMOVE ALL BURRS AND SHARP EDGES.			

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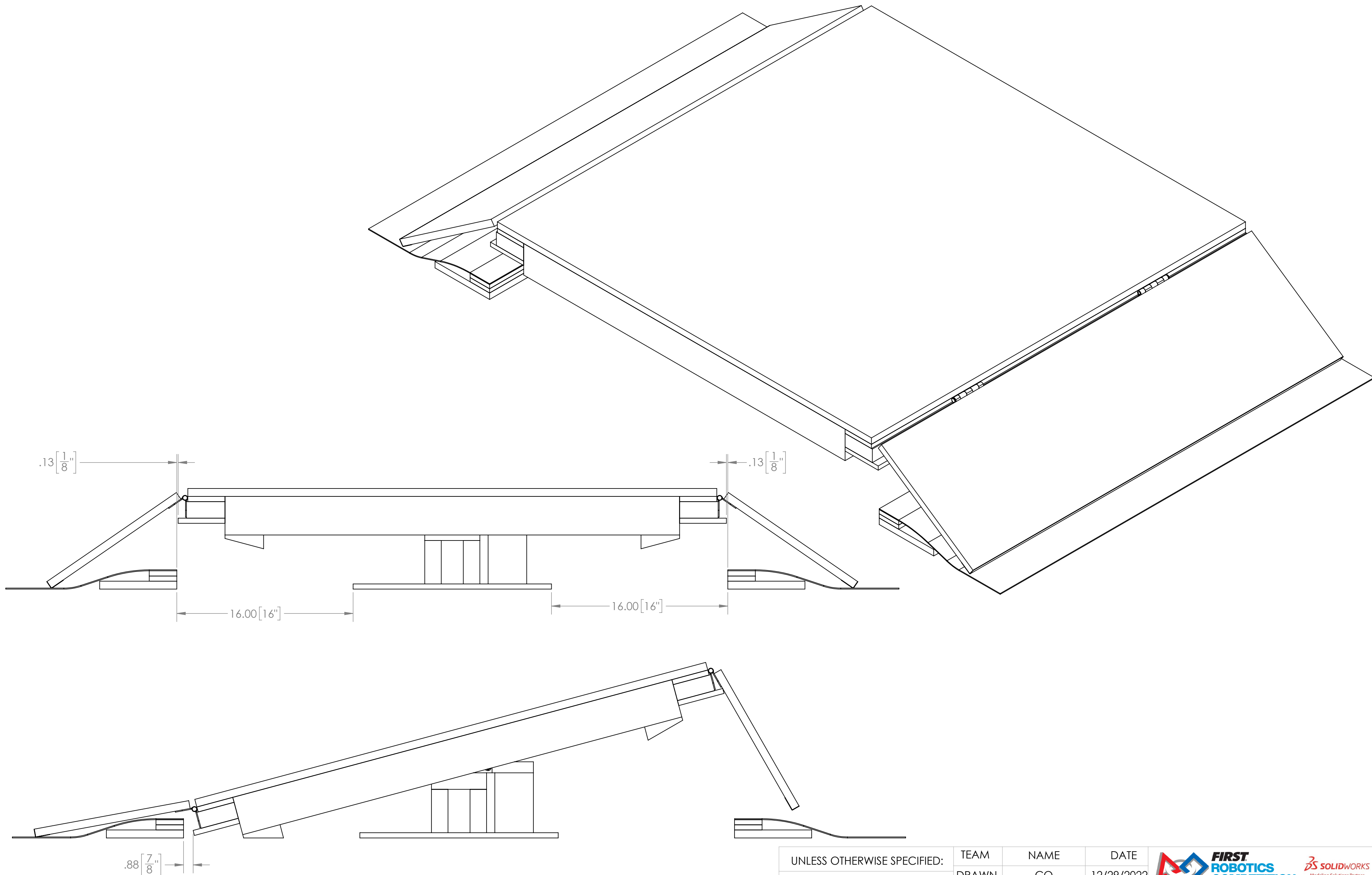
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Step 12:  
 Carefully flip over assembly from previous step and place on floor.  
 Place subassemblies from step 8 on floor approximately in locations shown.  
 Subassemblies from step 8 may need to be taped down or held in place using hook fastener.  
 Assembly should freely tilt back and forth and naturally return to level.

UNLESS OTHERWISE SPECIFIED:  DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ±1/16 ANGULAR: MACH ±1° BEND ±1° TWO PLACE DECIMAL ±.13 THREE PLACE DECIMAL ±.125  <b>MATERIAL/FINISH:</b>   DO NOT SCALE DRAWING	TEAM	NAME	DATE	 
	DRAWN	CO	12/29/2022	
	<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.			TITLE: <b>CHARGE STATION - Half Build</b>
	COMMENTS:	REMOVE ALL BURRS AND SHARP EDGES.		SIZE DWG. NO. REV <b>C</b> TE-23301
		SCALE: 1:6	SHEET 10 OF 10	

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UNLESS OTHERWISE SPECIFIED:  DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL $\pm 1/16$ ANGULAR: MACH $\pm 1^\circ$ BEND $\pm 1^\circ$ TWO PLACE DECIMAL $\pm .13$ THREE PLACE DECIMAL $\pm .125$  <b>MATERIAL/FINISH:</b> 3/4" Plywood  DO NOT SCALE DRAWING	TEAM	NAME	DATE	 
	DRAWN	CO	12/19/2022	
	<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.			TITLE: <b>CHARGE STATION - Top Surface Panel</b>
	<b>COMMENTS:</b> REMOVE ALL BURRS AND SHARP EDGES.			SIZE: <b>C</b> DWG. NO.: <b>TE-23302</b> SCALE: 1:5
				REV:
			SHEET 1 OF 1	

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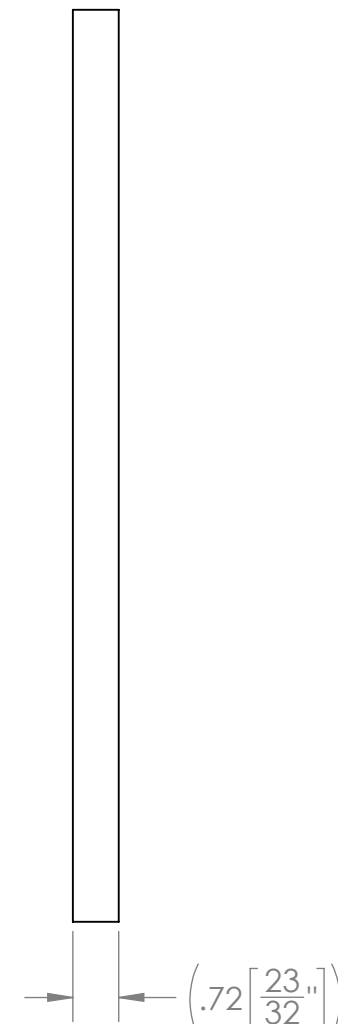
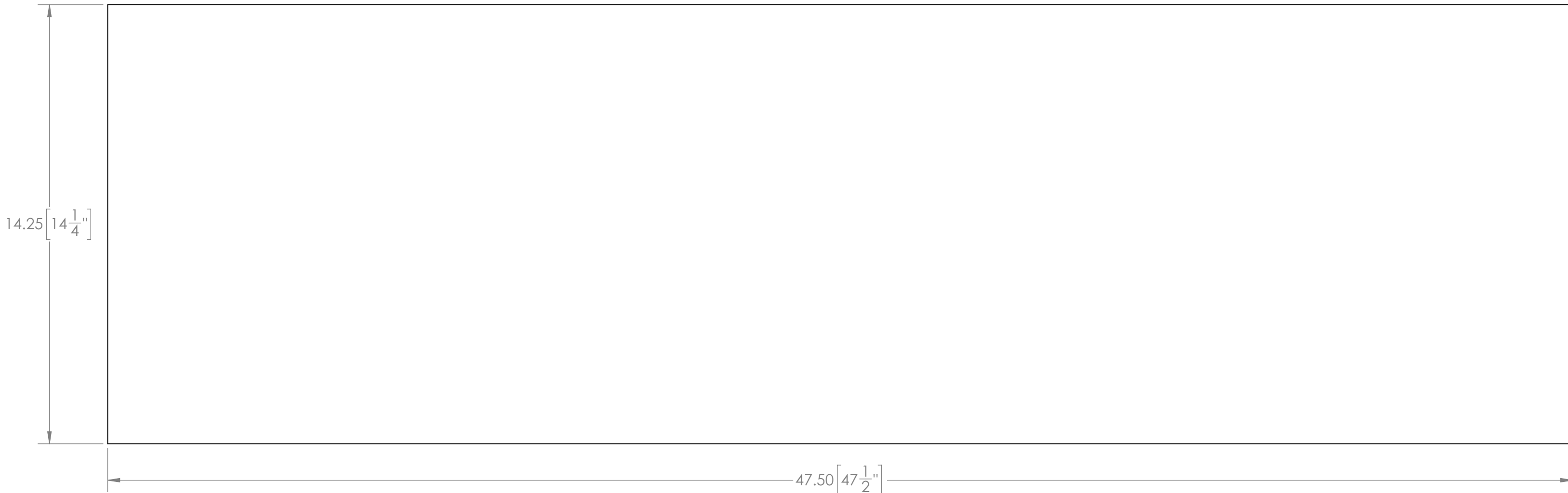
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UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ±1/16 ANGULAR: MACH ±1° BEND ±1° TWO PLACE DECIMAL ±.13 THREE PLACE DECIMAL ±.125	TEAM	NAME	DATE
	DRAWN	CO	12/19/2022
<b>MATERIAL/FINISH:</b> 3/4" Plywood	<b>PROPRIETARY AND 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.		
DO NOT SCALE DRAWING	<b>COMMENTS:</b> REMOVE ALL BURRS AND SHARP EDGES.		
TITLE: CHARGE STATION - Ramp Panel		SIZE: C	DWG. NO.: TE-23303
SCALE: 1:3		SHEET 1 OF 1	



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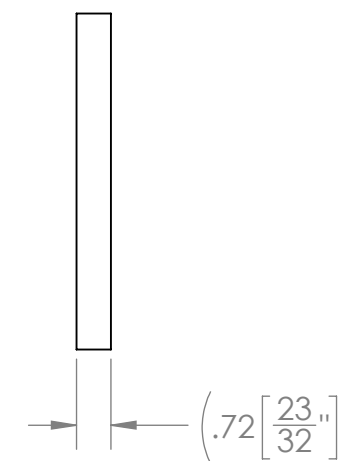
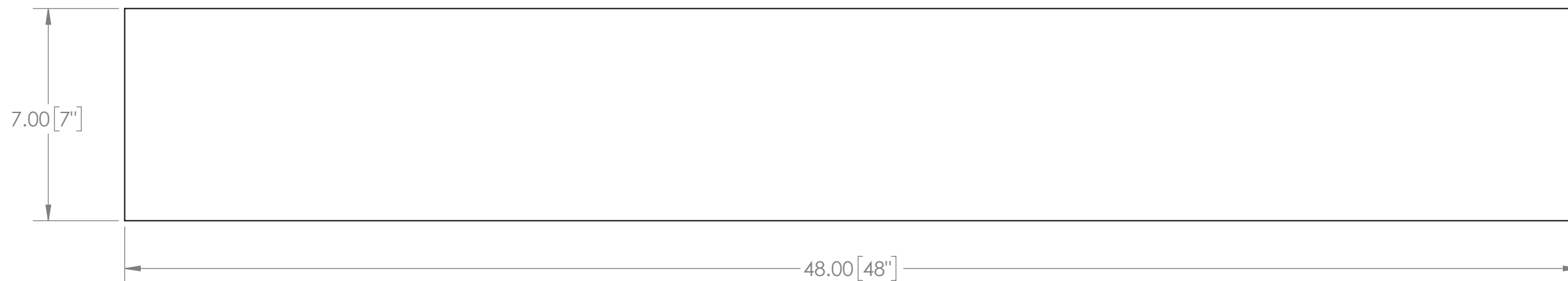
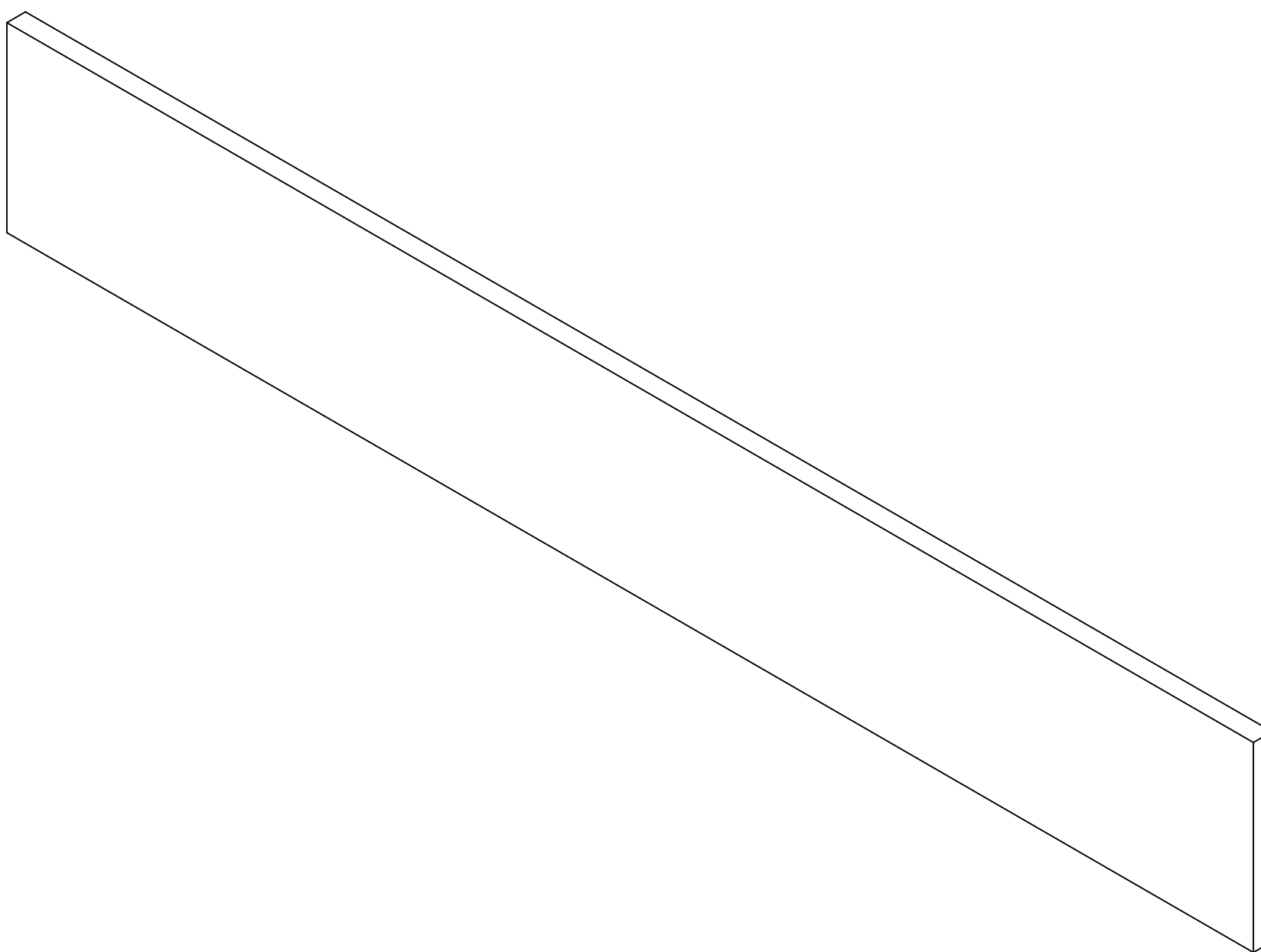
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UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES  
 TOLERANCES:  
 FRACTIONAL  $\pm 1/16$   
 ANGULAR: MACH  $\pm 1^\circ$  BEND  $\pm 1^\circ$   
 TWO PLACE DECIMAL  $\pm .13$   
 THREE PLACE DECIMAL  $\pm .125$

**MATERIAL/FINISH:**  
 3/4" Plywood

DO NOT SCALE DRAWING

TEAM	NAME	DATE
DRAWN	CO	12/28/2022

**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.

**COMMENTS:**  
 REMOVE ALL BURRS AND SHARP EDGES.



TITLE: **CHARGE STATION - Ramp Slider Base Panel**

SIZE	DWG. NO.	REV
<b>C</b>	TE-23304	

SCALE: 1:4 SHEET 1 OF 1

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UNLESS OTHERWISE SPECIFIED:  DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ±1/16 ANGULAR: MACH ±1° BEND ±1° TWO PLACE DECIMAL ±.13 THREE PLACE DECIMAL ±.125  <b>MATERIAL/FINISH:</b> 1/2" Plywood  DO NOT SCALE DRAWING	TEAM	NAME	DATE	 
	DRAWN	CO	12/19/2022	
<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.		TITLE: <b>CHARGE STATION - Hinge Tower Base</b>
<b>COMMENTS:</b> REMOVE ALL BURRS AND SHARP EDGES.		SIZE	DWG. NO.	REV
		<b>C</b>	TE-23305	
		SCALE: 1:2		SHEET 1 OF 1

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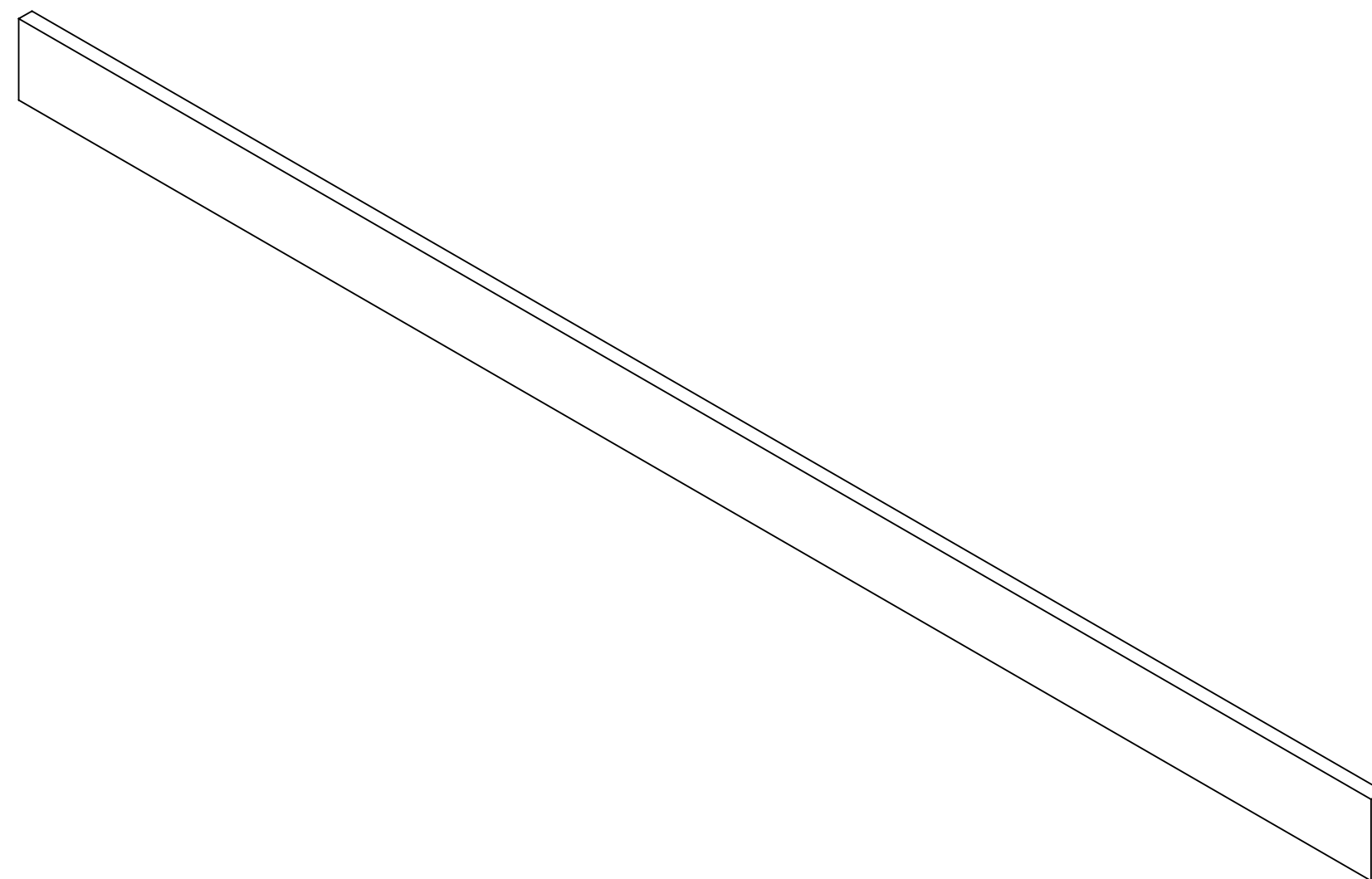
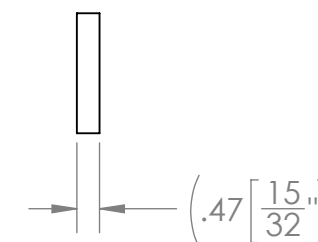
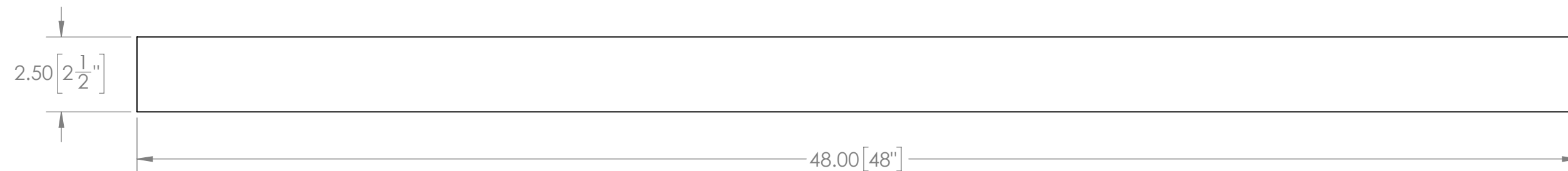
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UNLESS OTHERWISE SPECIFIED:  DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± 1/16 ANGULAR: MACH ± 1° BEND ± 1° TWO PLACE DECIMAL ± .13 THREE PLACE DECIMAL ± .125  <b>MATERIAL/FINISH:</b> 1/2" Plywood  DO NOT SCALE DRAWING	TEAM	NAME	DATE	 
	DRAWN	CO	12/28/2022	
	<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.			TITLE: CHARGE STATION - Ramp Slider Spacer Panel
	<b>COMMENTS:</b> REMOVE ALL BURRS AND SHARP EDGES.			SIZE DWG. NO. REV <b>C</b> TE-23306 SCALE: 1:4 SHEET 1 OF 1



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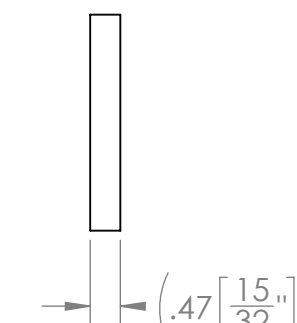
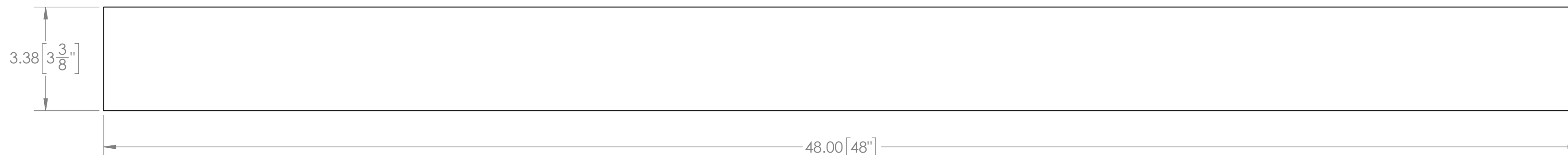
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UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ±1/16 ANGULAR: MACH ±1° BEND ±1° TWO PLACE DECIMAL ±.13 THREE PLACE DECIMAL ±.125	TEAM	NAME	DATE	 
	DRAWN	CO	12/20/2022	
<b>MATERIAL/FINISH:</b> 1/2" plywood	<b>PROPRIETARY 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.			TITLE: <b>CHARGE STATION - Ramp Mount Spacer</b>
	<b>COMMENTS:</b> REMOVE ALL BURRS AND SHARP EDGES.			SIZE: <b>C</b> DWG. NO.: <b>TE-23307</b> REV:
DO NOT SCALE DRAWING				SCALE: 1:3 SHEET 1 OF 1

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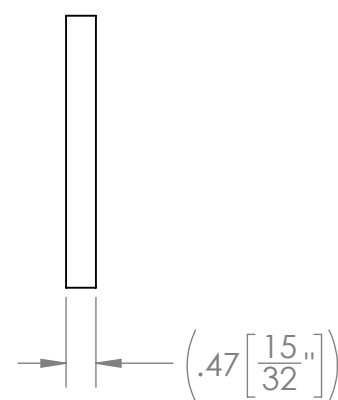
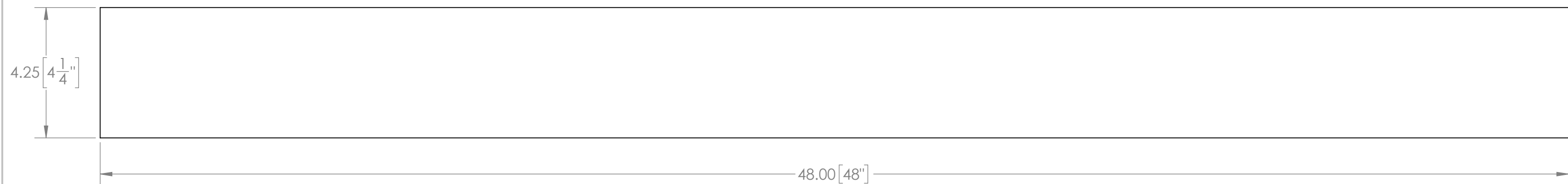
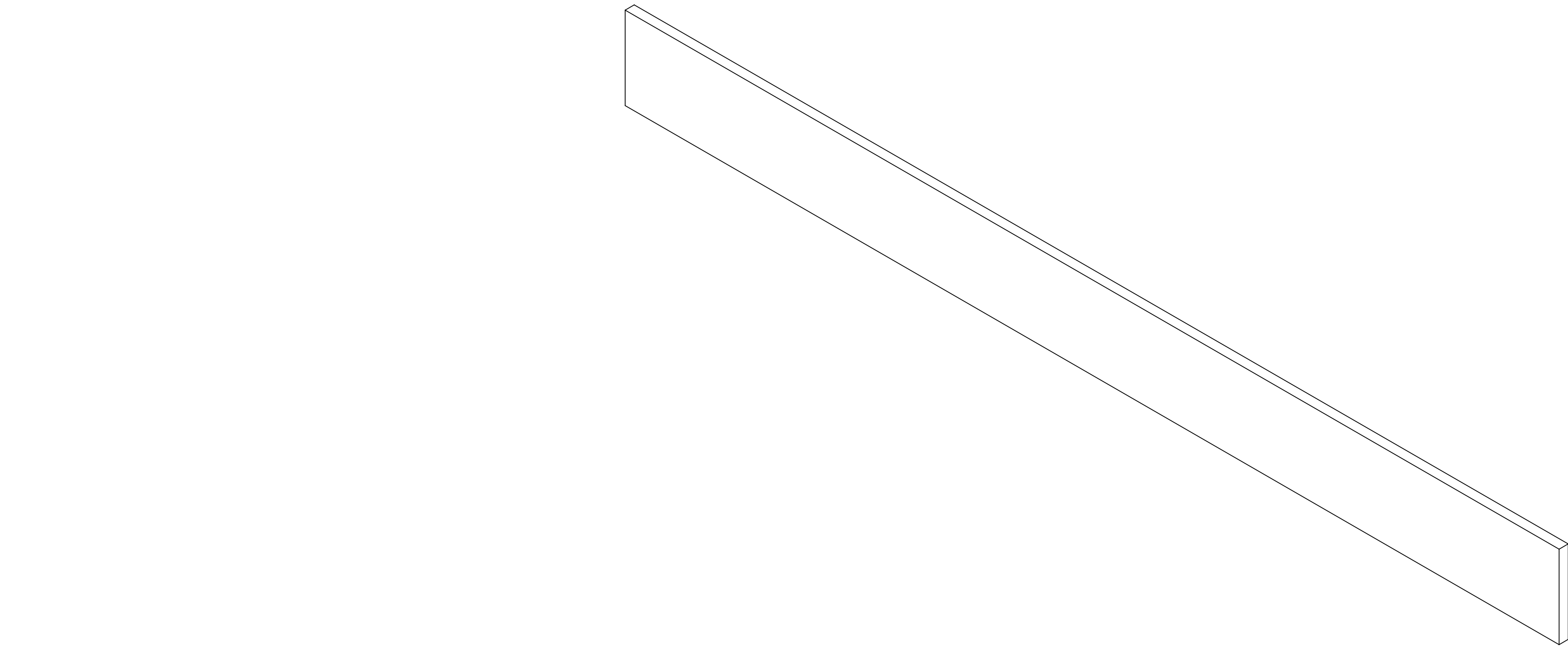
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UNLESS OTHERWISE SPECIFIED:  DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL $\pm 1/16$ ANGULAR: MACH $\pm 1^\circ$ BEND $\pm 1^\circ$ TWO PLACE DECIMAL $\pm .13$ THREE PLACE DECIMAL $\pm .125$  <b>MATERIAL/FINISH:</b> 1/2" plywood  DO NOT SCALE DRAWING	TEAM	NAME	DATE	 
	DRAWN	CO	12/28/2022	
	<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.			TITLE: <b>CHARGE STATION - Ramp Tip Limiter</b>
	<b>COMMENTS:</b> REMOVE ALL BURRS AND SHARP EDGES.			SIZE: <b>C</b> DWG. NO.: <b>TE-23308</b> SCALE: 1:3
				REV SHEET 1 OF 1

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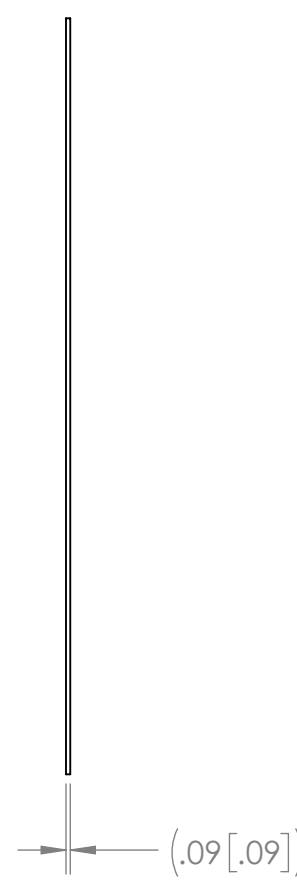
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UNLESS OTHERWISE SPECIFIED:  DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ±1/16 ANGULAR: MACH ±1° BEND ±1° TWO PLACE DECIMAL ±.13 THREE PLACE DECIMAL ±.125  <b>MATERIAL/FINISH:</b>  .09" Fiberglass Reinforced Plastic (FRP)  DO NOT SCALE DRAWING	TEAM	NAME	DATE	 
	DRAWN	CO	12/28/2022	
	<b>PROPRIETARY AND CONFIDENTIAL</b>			TITLE: CHARGE STATION - Ramp Slide
	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
	<b>COMMENTS:</b> REMOVE ALL BURRS AND SHARP EDGES.			DWG. NO.: TE-23309
				REV:
	SCALE: 1:4		SHEET 1 OF 1	

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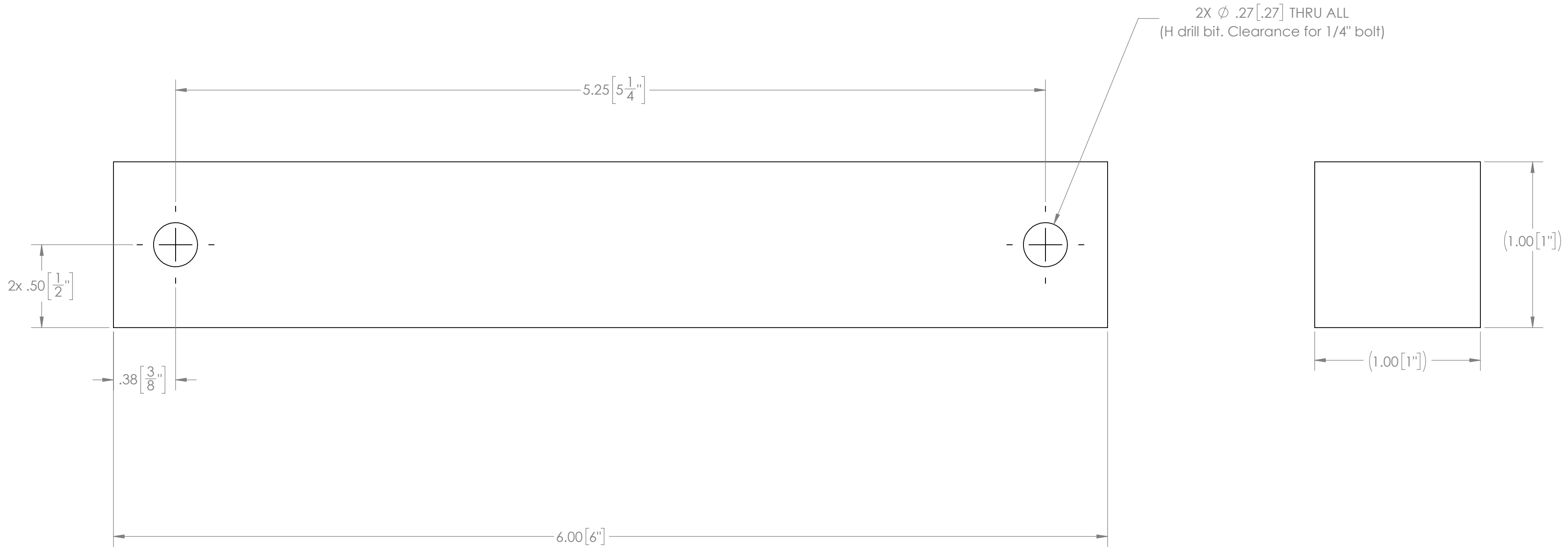
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Notes:  
 1. Per note in TE-23301, GE-23328 (field version CHARGE STATION) features a pivot hinge center to center distance of 5.3". For ease of team manufacturing, this design changes this value to 5.25". Part can be manufactured with a hole spacing of 5.3" if desired, ideally paired with some minor alignment tweaks on assembly.

UNLESS OTHERWISE SPECIFIED:  DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± 1/16 ANGULAR: MACH ± 1° BEND ± 1° TWO PLACE DECIMAL ± .13 THREE PLACE DECIMAL ± .125  <b>MATERIAL/FINISH:</b> 1" x 1" Hardwood Square Dowel or Metal Square Tubing  DO NOT SCALE DRAWING	TEAM	NAME	DATE	 
	DRAWN	CO	12/15/2022	
	<b>PROPRIETARY AND CONFIDENTIAL</b>			<b>TITLE: CHARGE STATION - Double Hinge Strap</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.			
	<b>COMMENTS:</b>			SIZE DWG. NO. REV <b>C</b> TE-23310
	REMOVE ALL BURRS AND SHARP EDGES.			SCALE: 2:1 SHEET 1 OF 1

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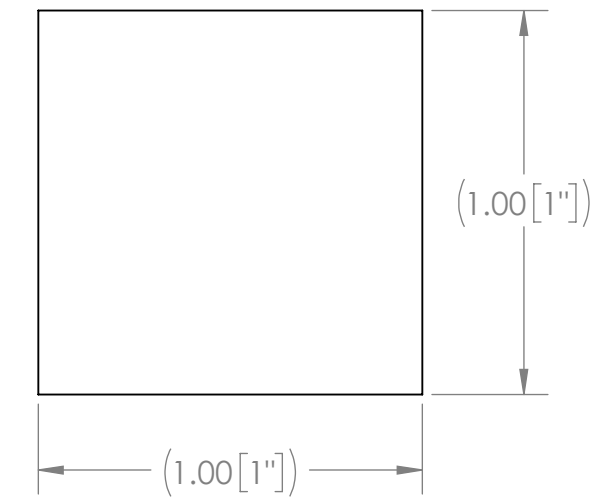
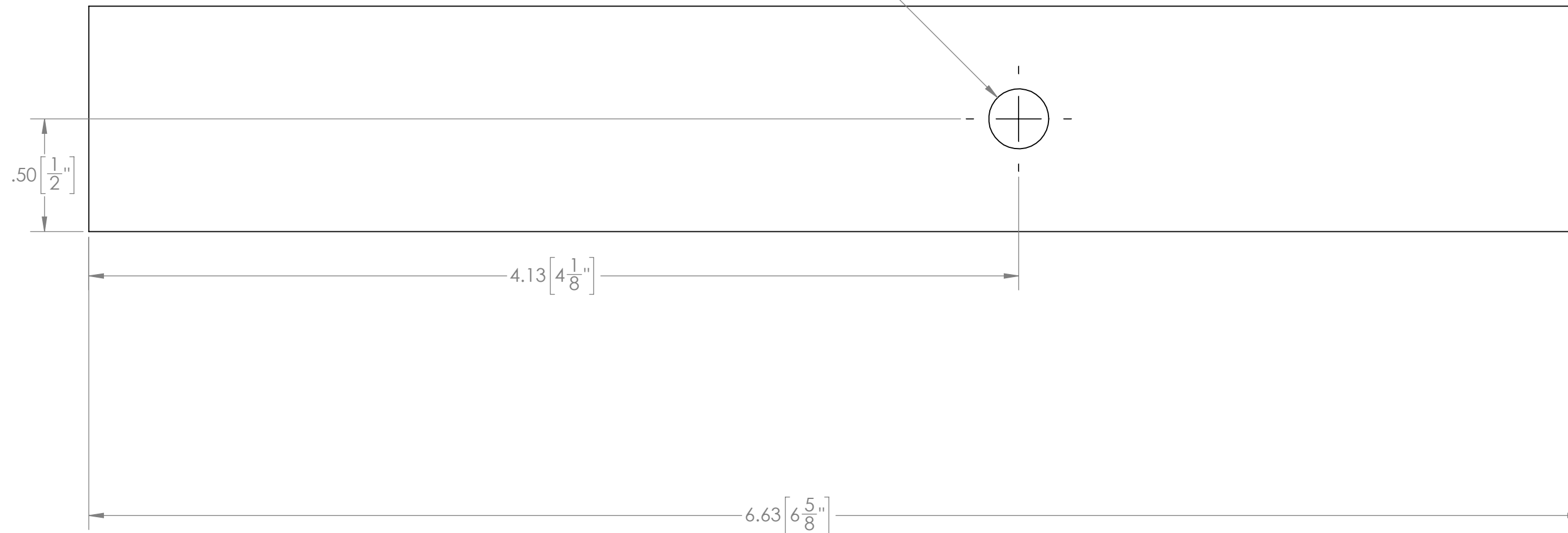
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Notes:  
1. If metal square tubing is utilized, additional holes will need to be drilled during assembly to mount piece. These holes can be drilled during assembly based on chosen fasteners.

UNLESS OTHERWISE SPECIFIED:  DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL $\pm 1/16$ ANGULAR: MACH $\pm 1^\circ$ BEND $\pm 1^\circ$ TWO PLACE DECIMAL $\pm .13$ THREE PLACE DECIMAL $\pm .125$  <b>MATERIAL/FINISH:</b> 1" x 1" Hardwood Square Dowel or Metal Square Tubing  DO NOT SCALE DRAWING	TEAM	NAME	DATE	 
	DRAWN	CO	12/15/2022	
	<b>PROPRIETARY AND CONFIDENTIAL</b>			<b>TITLE:</b> CHARGE STATION - Double Hinge Core
	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.			
	<b>COMMENTS:</b>			SIZE DWG. NO. REV <b>C</b> TE-23311
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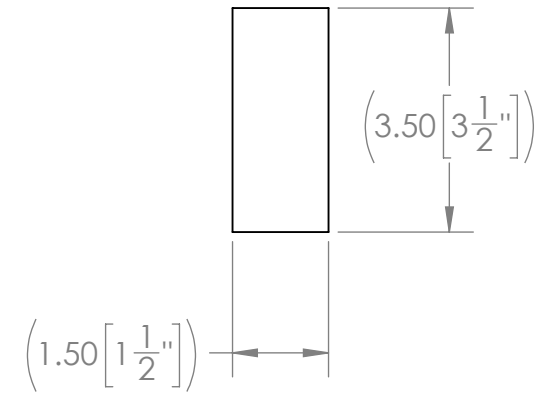
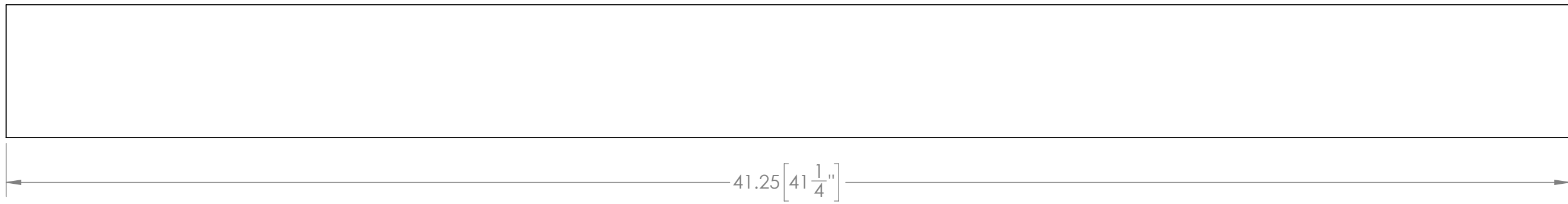
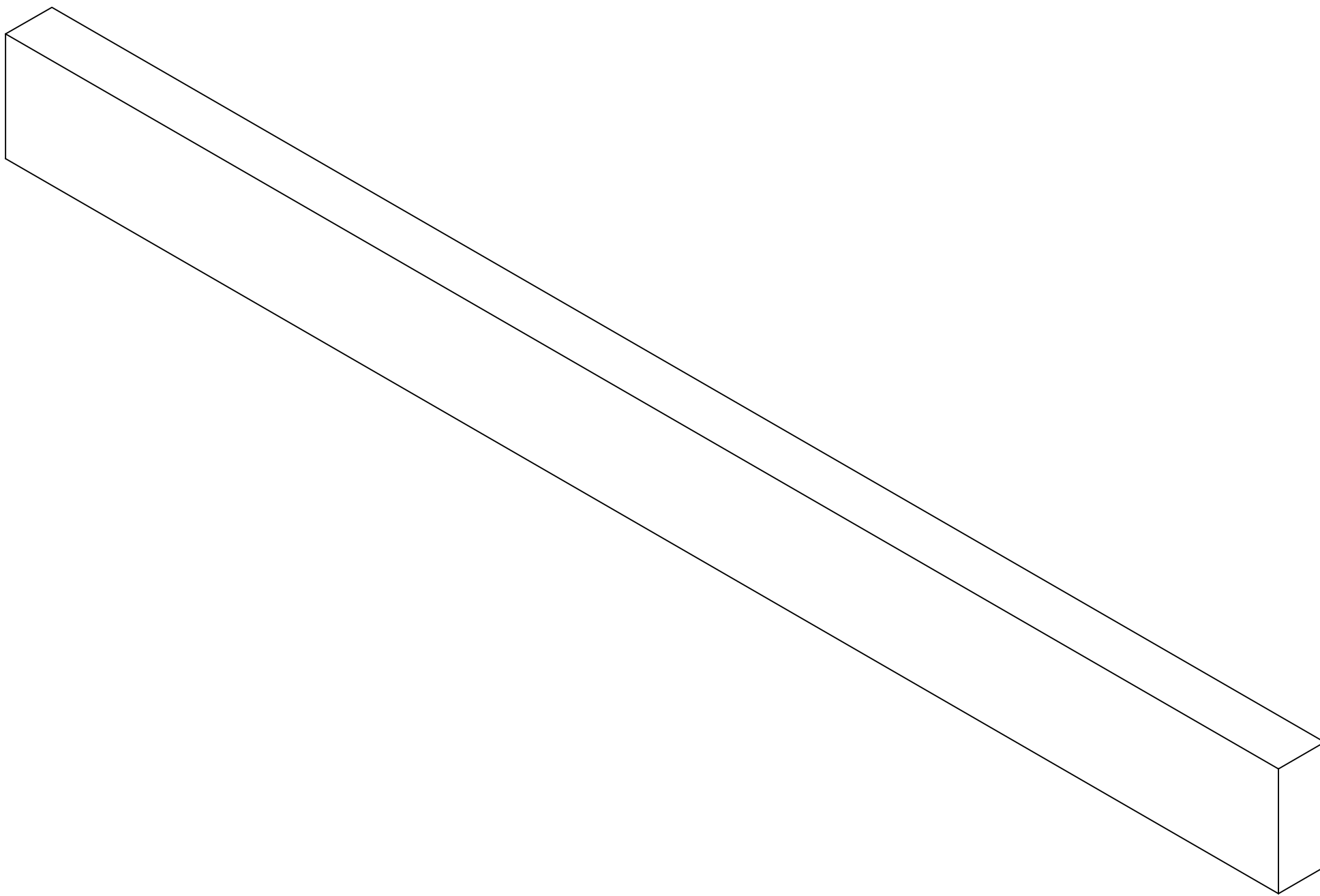
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UNLESS OTHERWISE SPECIFIED:  DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL $\pm 1/16$ ANGULAR: MACH $\pm 1^\circ$ BEND $\pm 1^\circ$ TWO PLACE DECIMAL $\pm .13$ THREE PLACE DECIMAL $\pm .125$  <b>MATERIAL/FINISH:</b> 2" x 4" Lumber  DO NOT SCALE DRAWING	TEAM	NAME	DATE	 
	DRAWN	CO	12/20/2022	
	<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.			TITLE: <b>CHARGE STATION - Outer Support</b>
	<b>COMMENTS:</b> REMOVE ALL BURRS AND SHARP EDGES.		SIZE <b>C</b>	DWG. NO. <b>TE-23312</b>
SCALE: 1:3		SHEET 1 OF 1		

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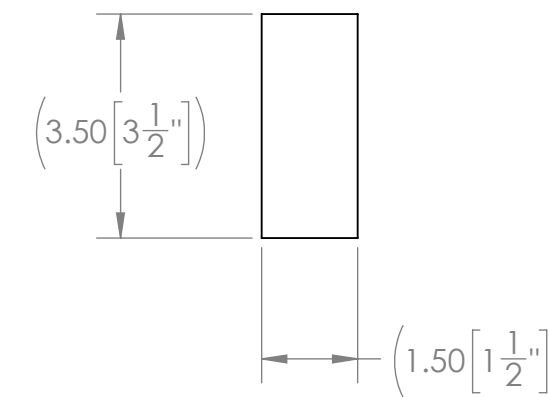
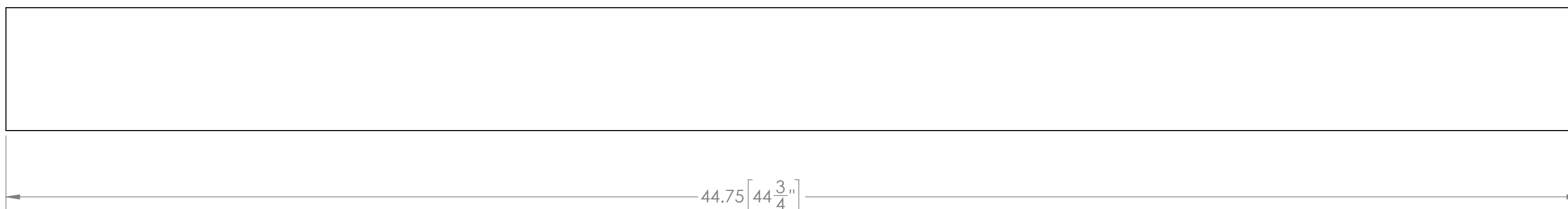
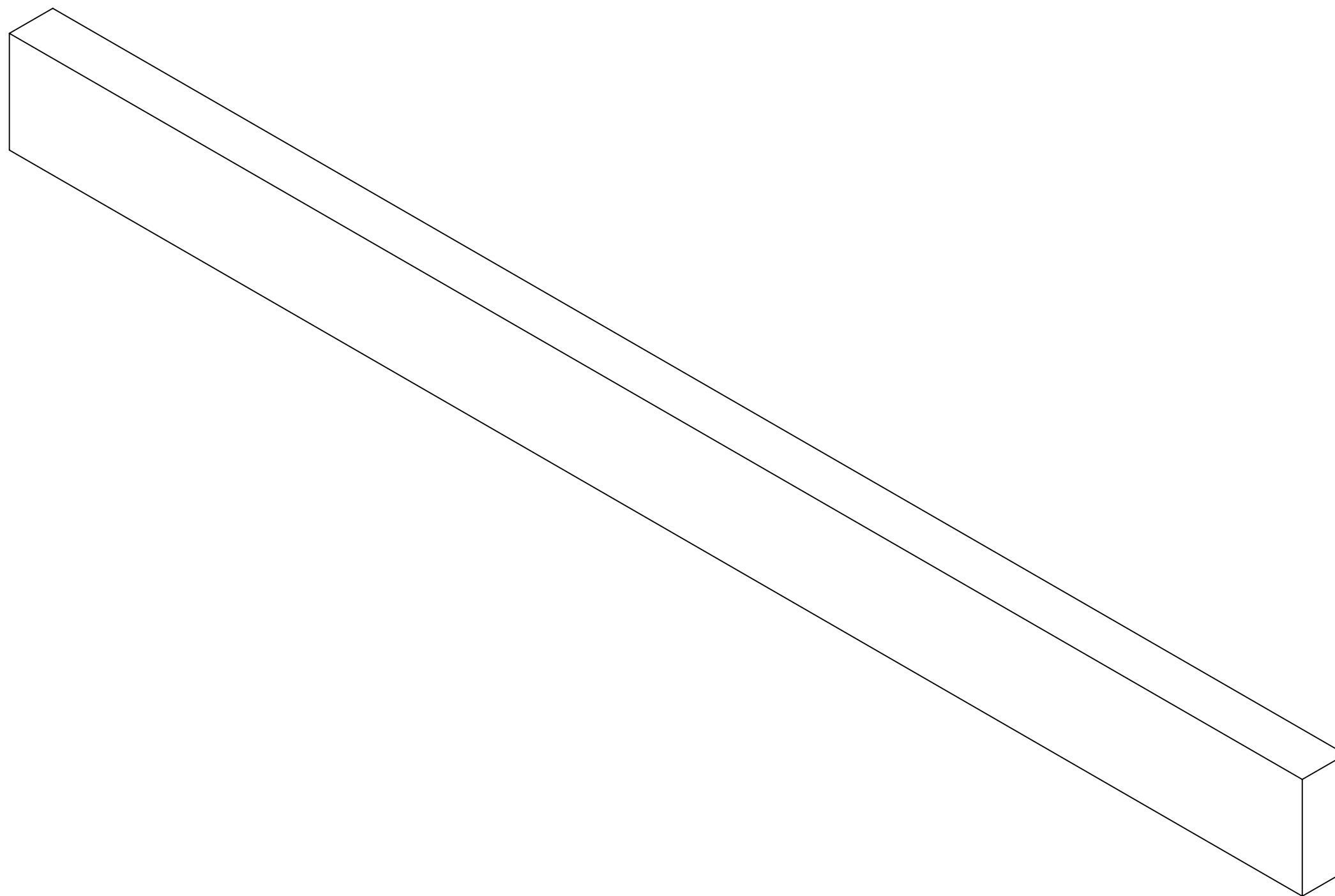
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UNLESS OTHERWISE SPECIFIED:  DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL $\pm 1/16$ ANGULAR: MACH $\pm 1^\circ$ BEND $\pm 1^\circ$ TWO PLACE DECIMAL $\pm .13$ THREE PLACE DECIMAL $\pm .125$  <b>MATERIAL/FINISH:</b> 2" x 4" Lumber  DO NOT SCALE DRAWING	TEAM	NAME	DATE	 
	DRAWN	CO	12/20/2022	
	<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.			<b>TITLE:</b> CHARGE STATION - Double Hinge Mount
	<b>COMMENTS:</b> REMOVE ALL BURRS AND SHARP EDGES.			SIZE: <b>C</b> DWG. NO.: TE-23313 SCALE: 1:3

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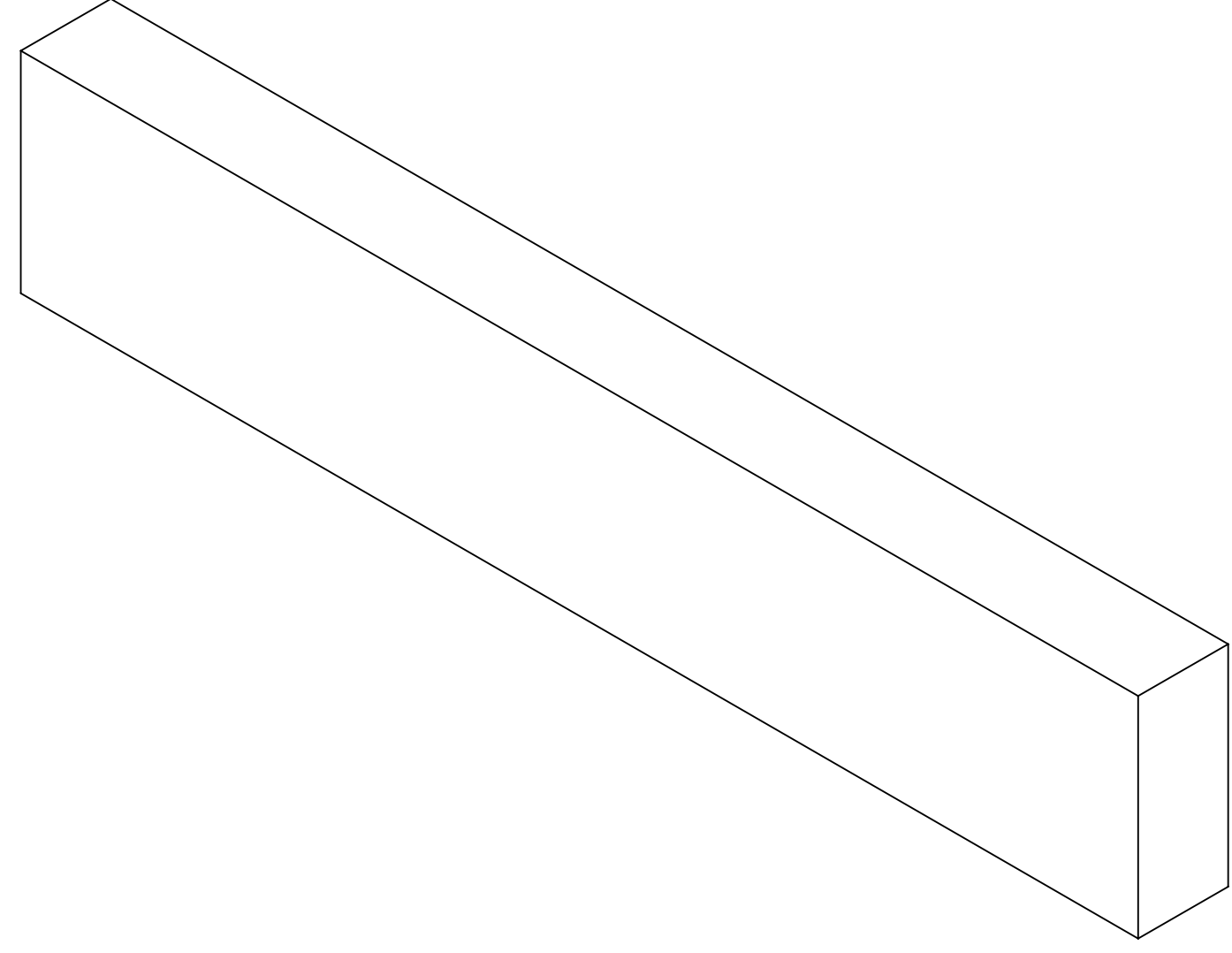
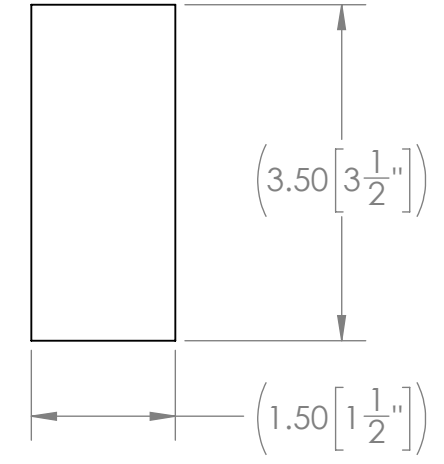
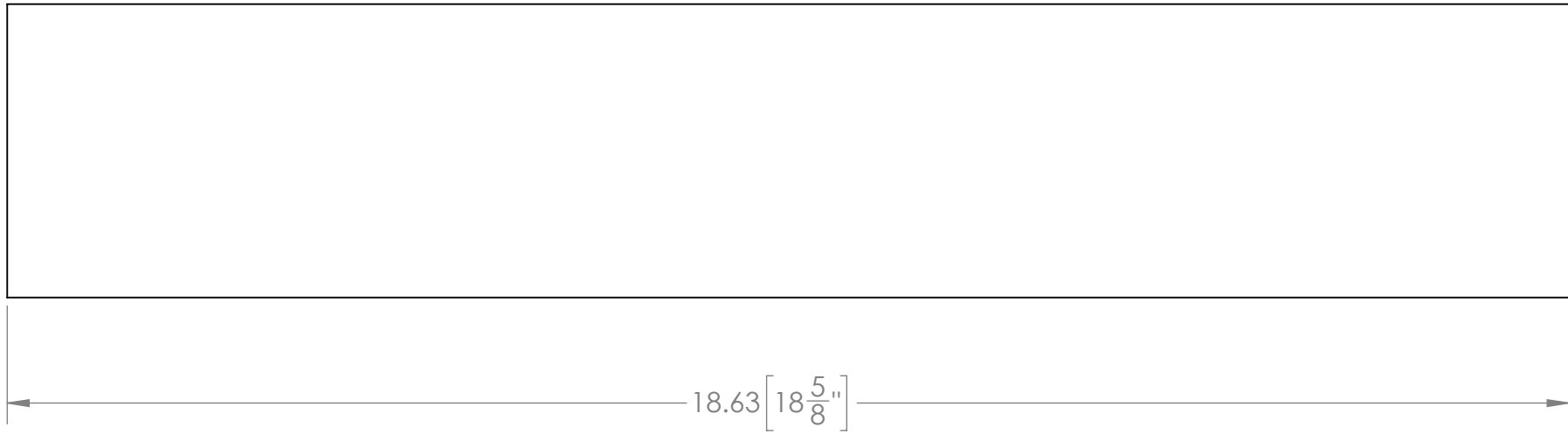
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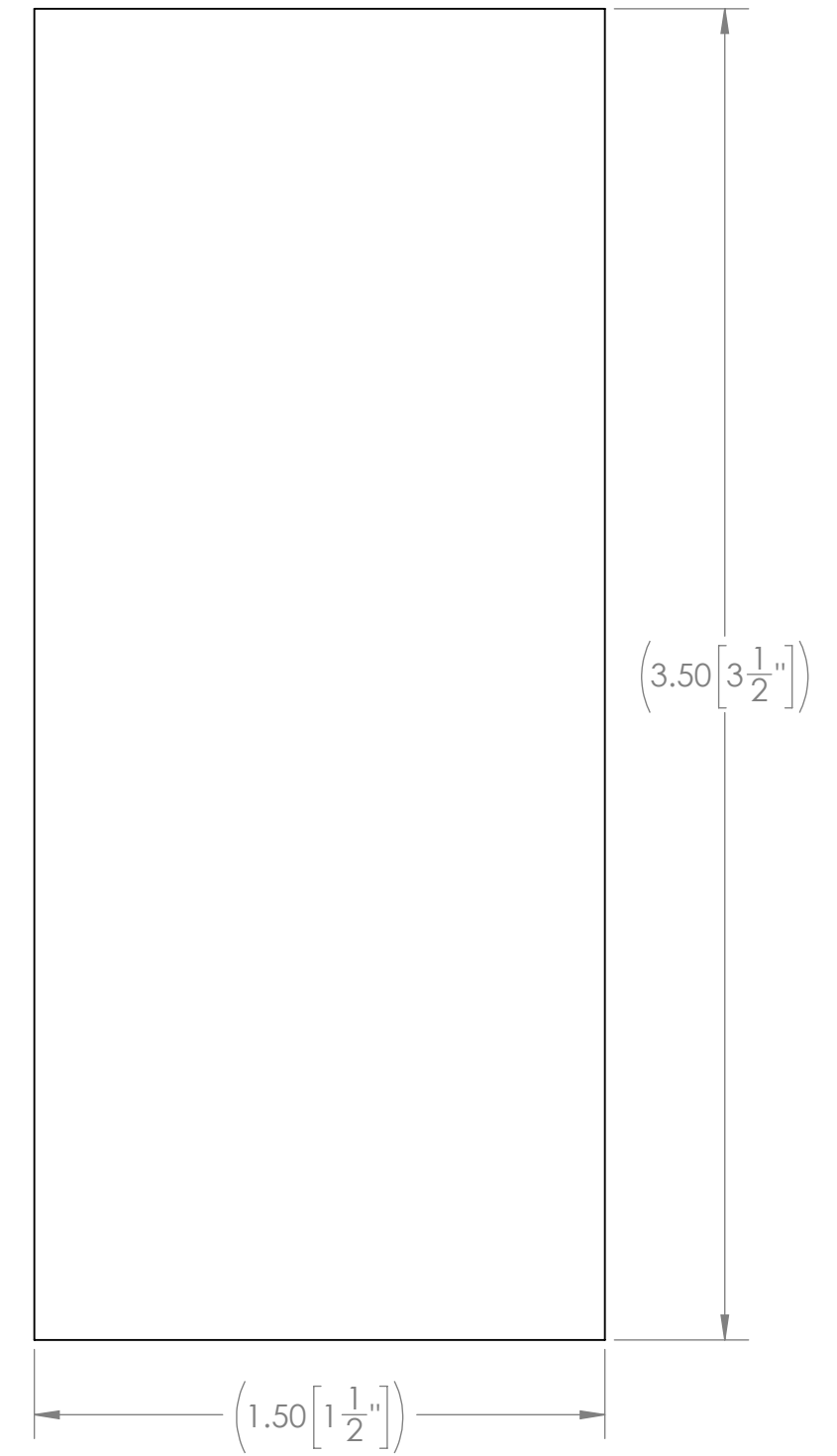
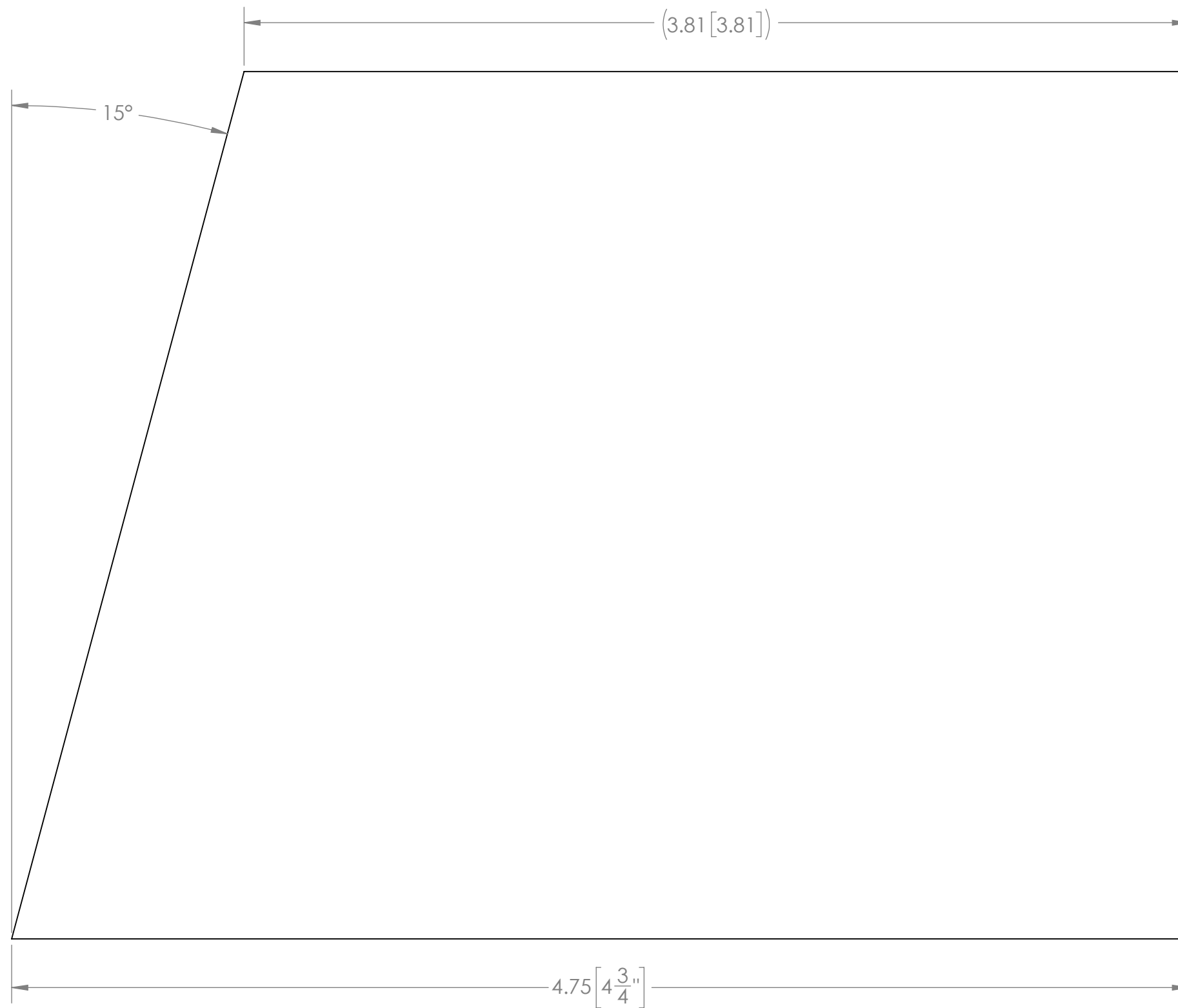
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UNLESS OTHERWISE SPECIFIED:  DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ±1/16 ANGULAR: MACH ±1° BEND ±1° TWO PLACE DECIMAL ±.13 THREE PLACE DECIMAL ±.125  <b>MATERIAL/FINISH:</b> 2" x 4" Lumber  DO NOT SCALE DRAWING	TEAM	NAME	DATE	 
	DRAWN	CO	12/28/2022	
<b>PROPRIETARY AND CONFIDENTIAL</b>		TITLE: CHARGE STATION - Inner Brace  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.		
<b>COMMENTS:</b>		REMOVE ALL BURRS AND SHARP EDGES.		
SCALE: 1:2		SHEET 1 OF 1		

SIZE: **C**  
DWG. NO.: TE-23314  
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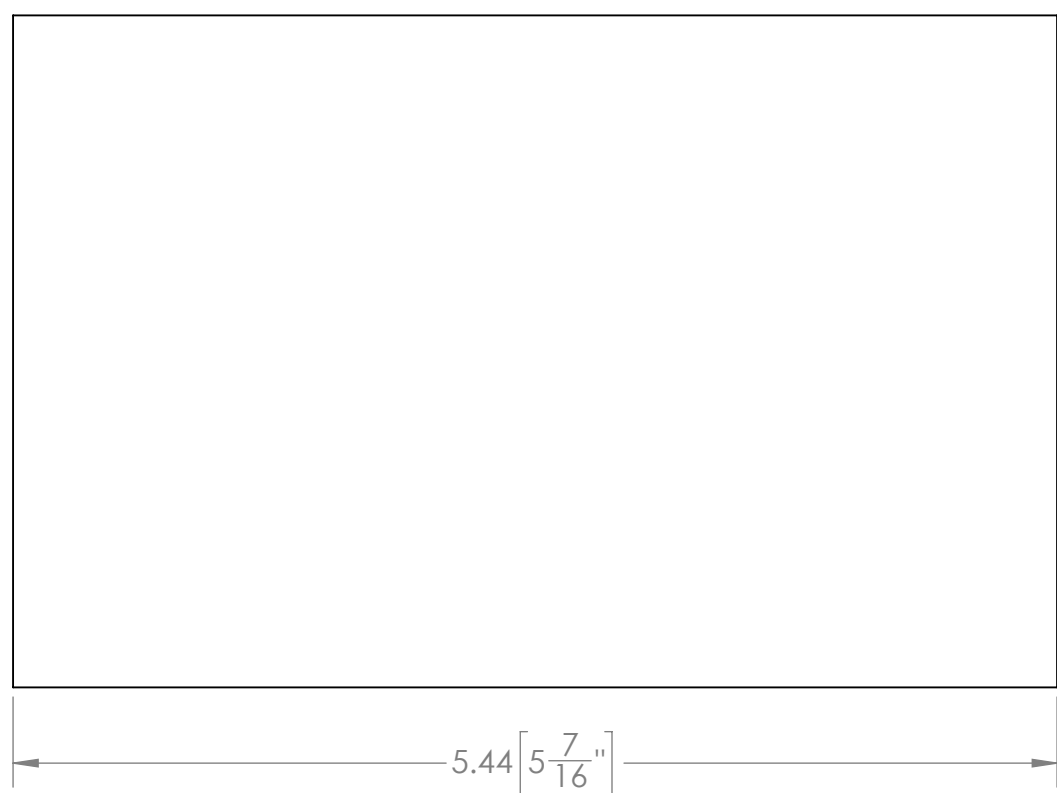
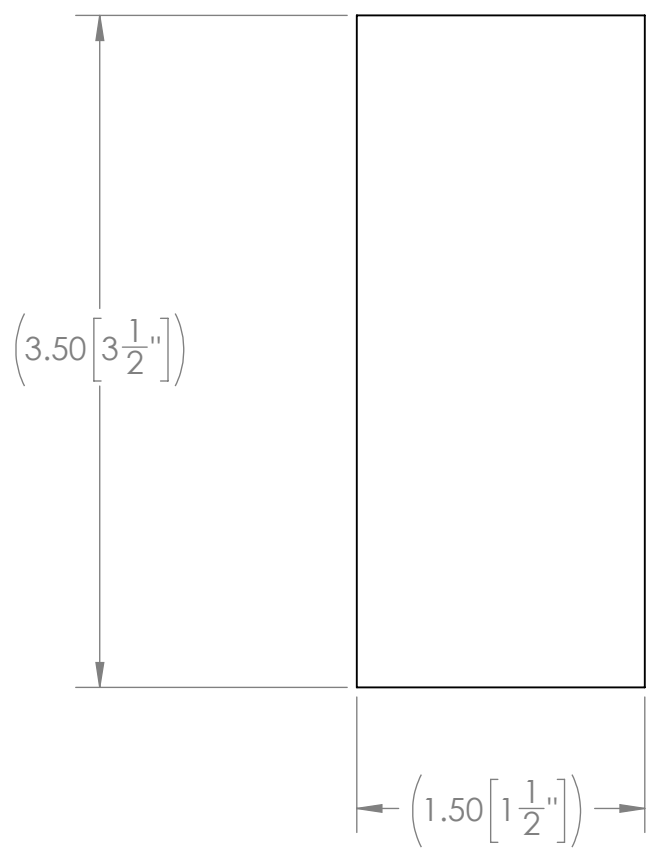
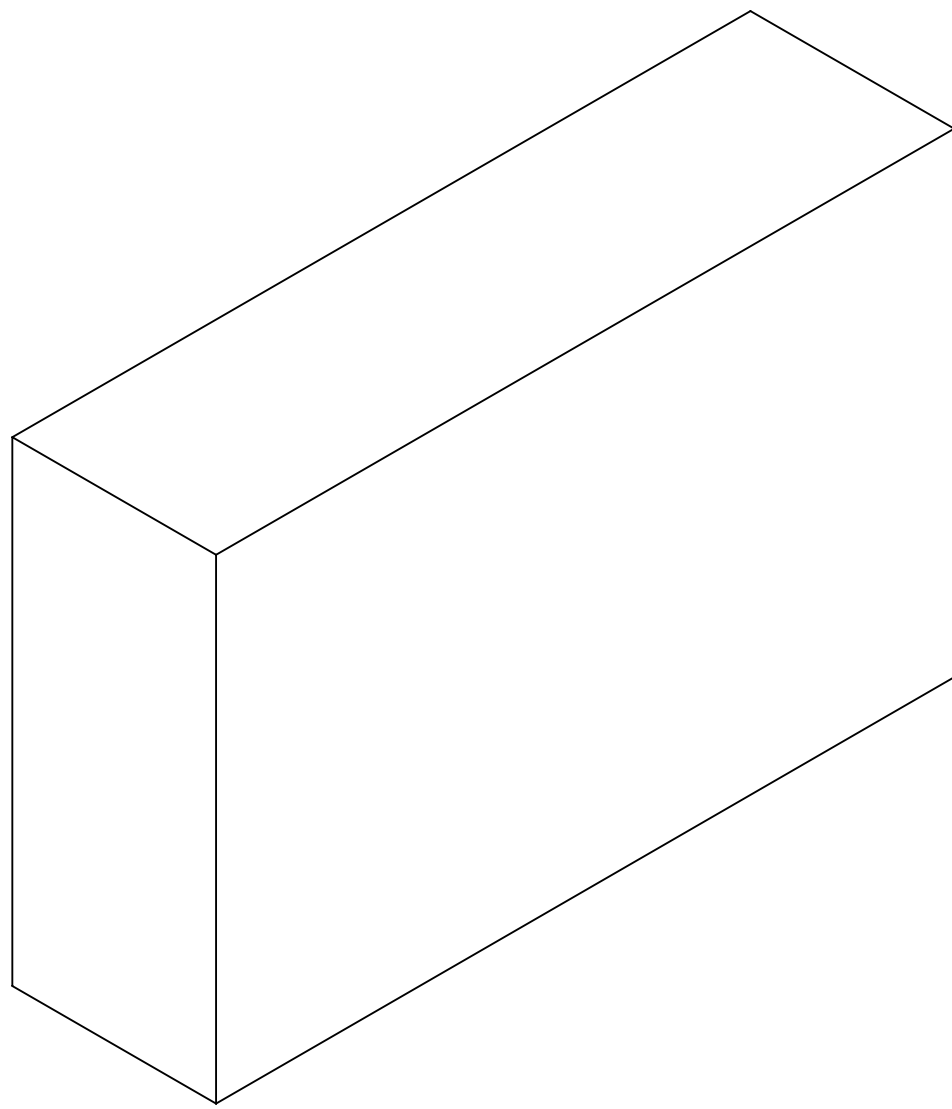
UNLESS OTHERWISE SPECIFIED:  DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± 1/16 ANGULAR: MACH ± 1° BEND ± 1° TWO PLACE DECIMAL ± .13 THREE PLACE DECIMAL ± .125  <b>MATERIAL/FINISH:</b> 2" x 4" Lumber  DO NOT SCALE DRAWING	TEAM	NAME	DATE	 
	DRAWN	CO	12/15/2022	
<b>PROPRIETARY AND CONFIDENTIAL</b> 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.				TITLE: <b>CHARGE STATION - Tip Limiter</b>  SIZE DWG. NO. REV <b>C</b> TE-23315
<b>COMMENTS:</b> REMOVE ALL BURRS AND SHARP EDGES.				
SCALE: 2:1			SHEET 1 OF 1	

4

3

2

1



UNLESS OTHERWISE SPECIFIED:  DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL $\pm 1/16$ ANGULAR: MACH $\pm 1^\circ$ BEND $\pm 1^\circ$ TWO PLACE DECIMAL $\pm .13$ THREE PLACE DECIMAL $\pm .125$  <b>MATERIAL/FINISH:</b> 2"x4" Lumber  DO NOT SCALE DRAWING	TEAM	NAME	DATE
	DRAWN	CO	12/19/2022
	<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.		
	<b>COMMENTS:</b> REMOVE ALL BURRS AND SHARP EDGES.		



TITLE: CHARGE STATION -  
Double Hinge  
Auxillary Support

SIZE	DWG. NO.	REV
<b>C</b>	TE-23316	
SCALE: 1:1		SHEET 1 OF 1

4

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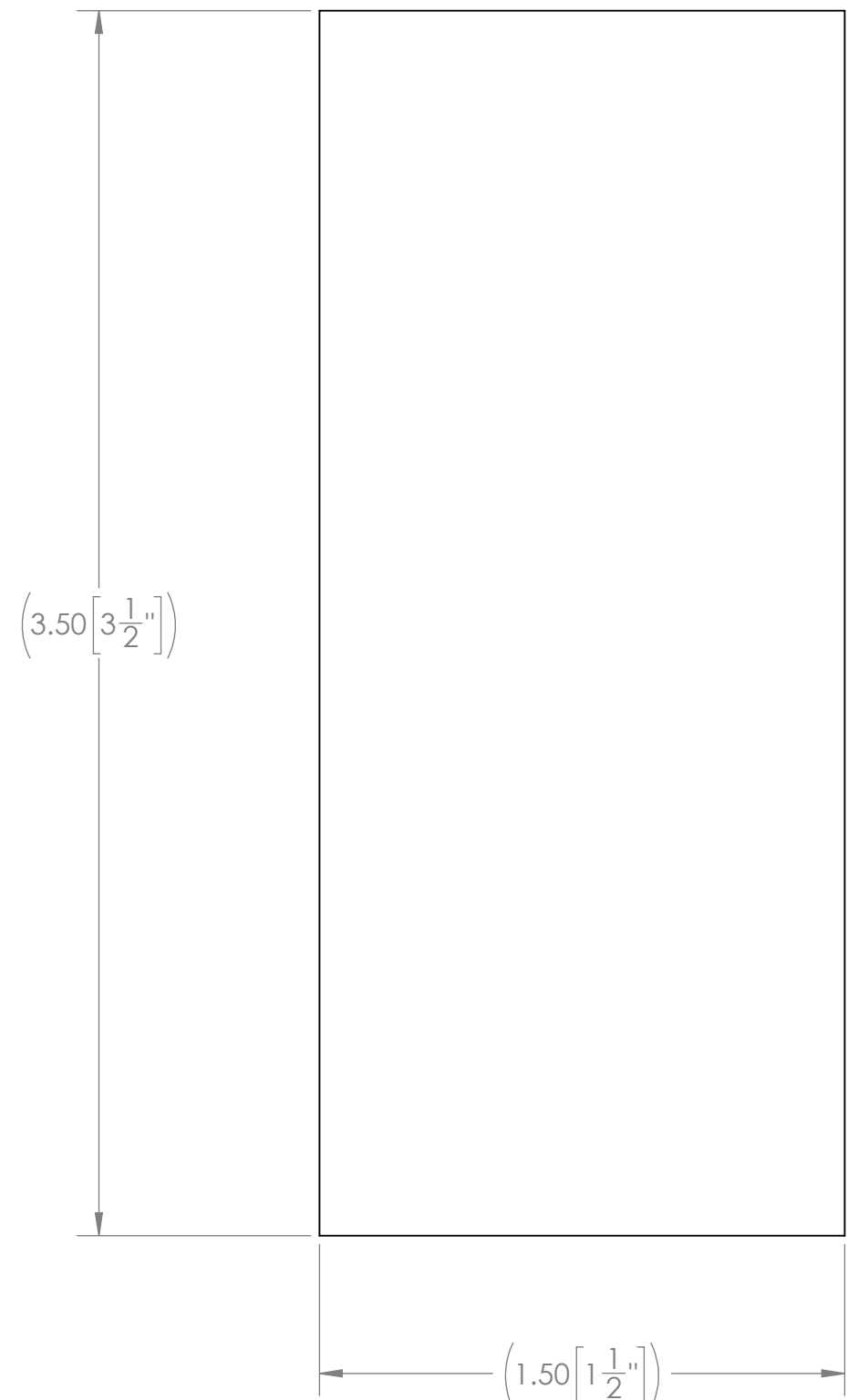
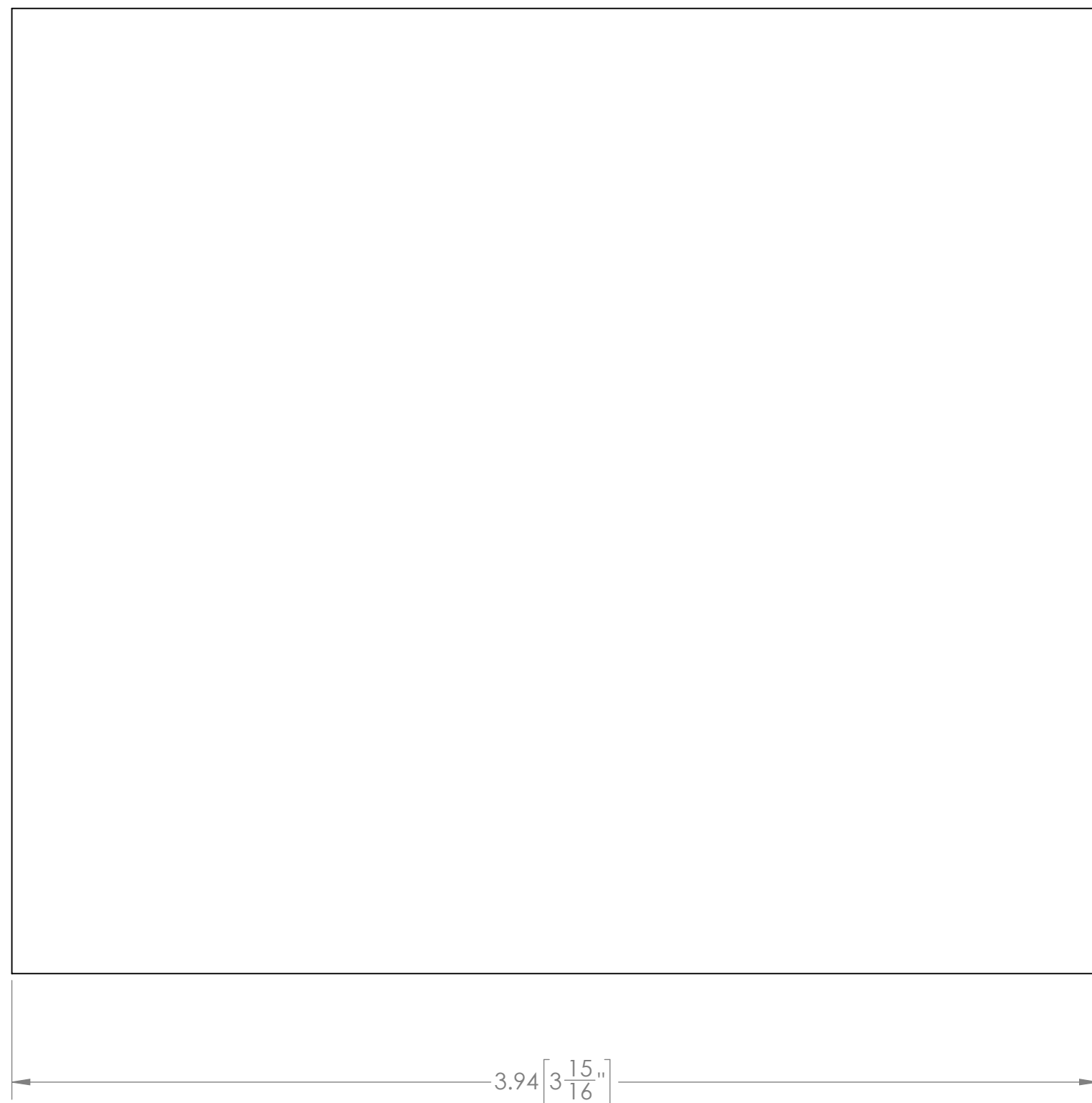
C


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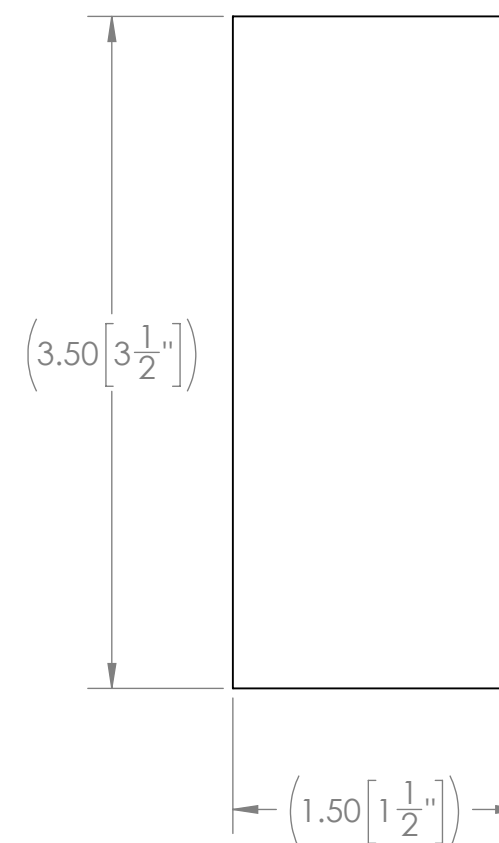
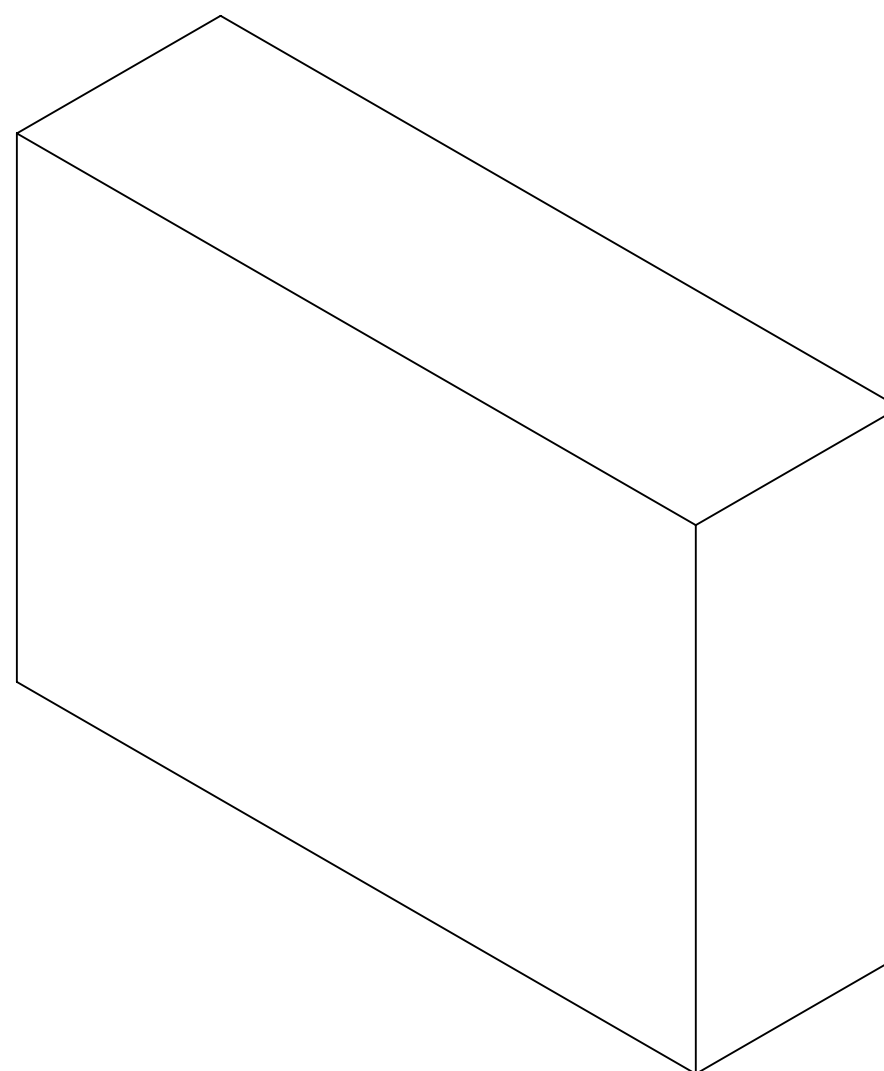
UNLESS OTHERWISE SPECIFIED:  DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± 1/16 ANGULAR: MACH ± 1° BEND ± 1° TWO PLACE DECIMAL ± .13 THREE PLACE DECIMAL ± .125  <b>MATERIAL/FINISH:</b> 2" x 4" Lumber  DO NOT SCALE DRAWING	TEAM	NAME	DATE	
	DRAWN	CO	12/19/2022	
<b>PROPRIETARY AND CONFIDENTIAL</b>		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.		TITLE: <b>CHARGE STATION - Hinge Tower Vertical</b>
<b>COMMENTS:</b> REMOVE ALL BURRS AND SHARP EDGES.		SIZE	DWG. NO.	REV
		<b>C</b>	TE-23317	
		SCALE: 2:1		SHEET 1 OF 1

4

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1



UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES  
 TOLERANCES:  
 FRACTIONAL ± 1/16  
 ANGULAR: MACH ± 1° BEND ± 1°  
 TWO PLACE DECIMAL ± .13  
 THREE PLACE DECIMAL ± .125

**MATERIAL/FINISH:**  
 2" x 4" Lumber

DO NOT SCALE DRAWING

TEAM	NAME	DATE
DRAWN	CO	12/19/2022

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**COMMENTS:**  
 REMOVE ALL BURRS AND SHARP EDGES.



TITLE: **CHARGE STATION - Hinge Tower Top**

SIZE	DWG. NO.	REV
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**C** TE-23318

SCALE: 1:1 SHEET 1 OF 1

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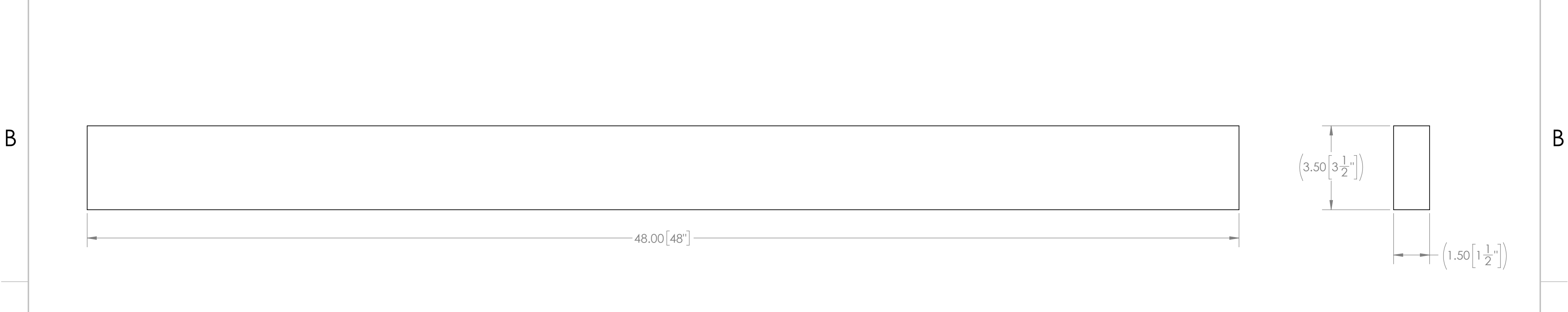
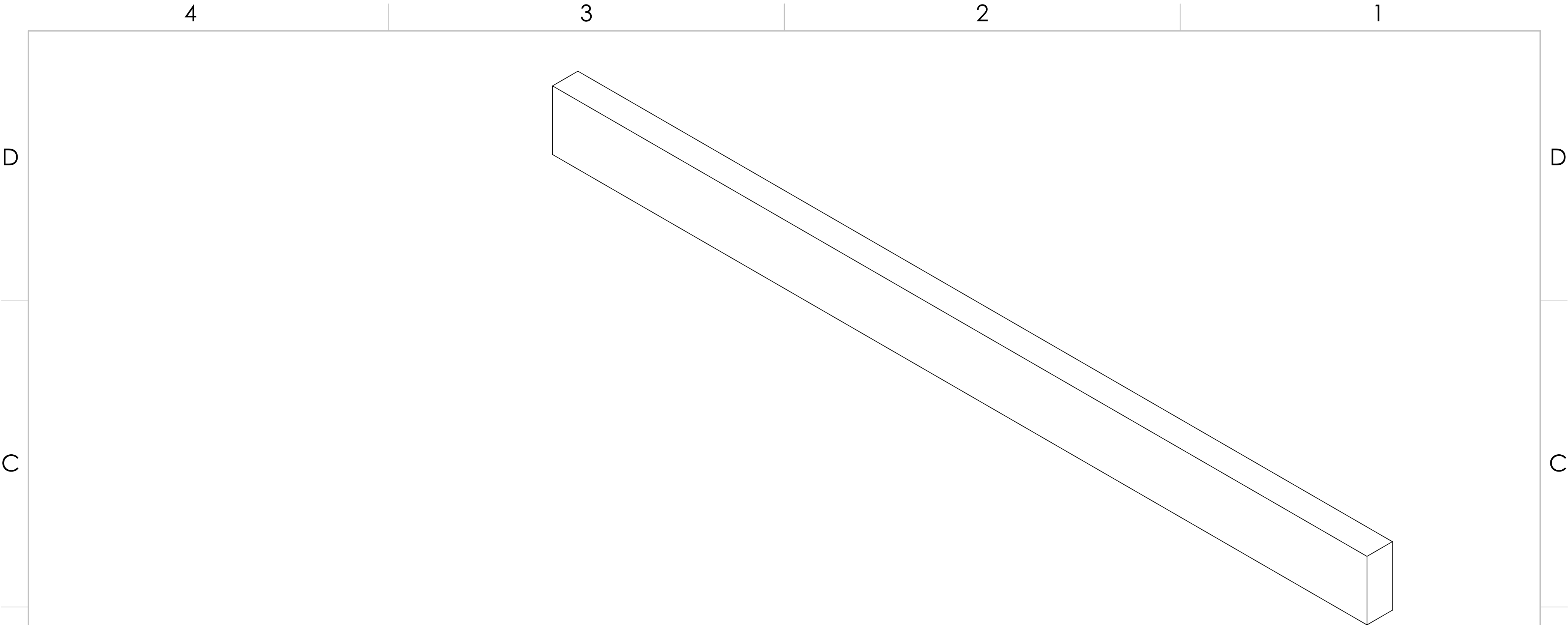
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UNLESS OTHERWISE SPECIFIED:  DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL $\pm 1/16$ ANGULAR: MACH $\pm 1^\circ$ BEND $\pm 1^\circ$ TWO PLACE DECIMAL $\pm .13$ THREE PLACE DECIMAL $\pm .125$  <b>MATERIAL/FINISH:</b> 2" x 4" Lumber  DO NOT SCALE DRAWING	TEAM	NAME	DATE	 
	DRAWN	CO	12/20/2022	
	<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.			TITLE: <b>CHARGE STATION - Ramp Mount</b>
	<b>COMMENTS:</b> REMOVE ALL BURRS AND SHARP EDGES.			SIZE: <b>C</b> DWG. NO.: <b>TE-23319</b> REV:
SCALE: 1:3		SHEET 1 OF 1		