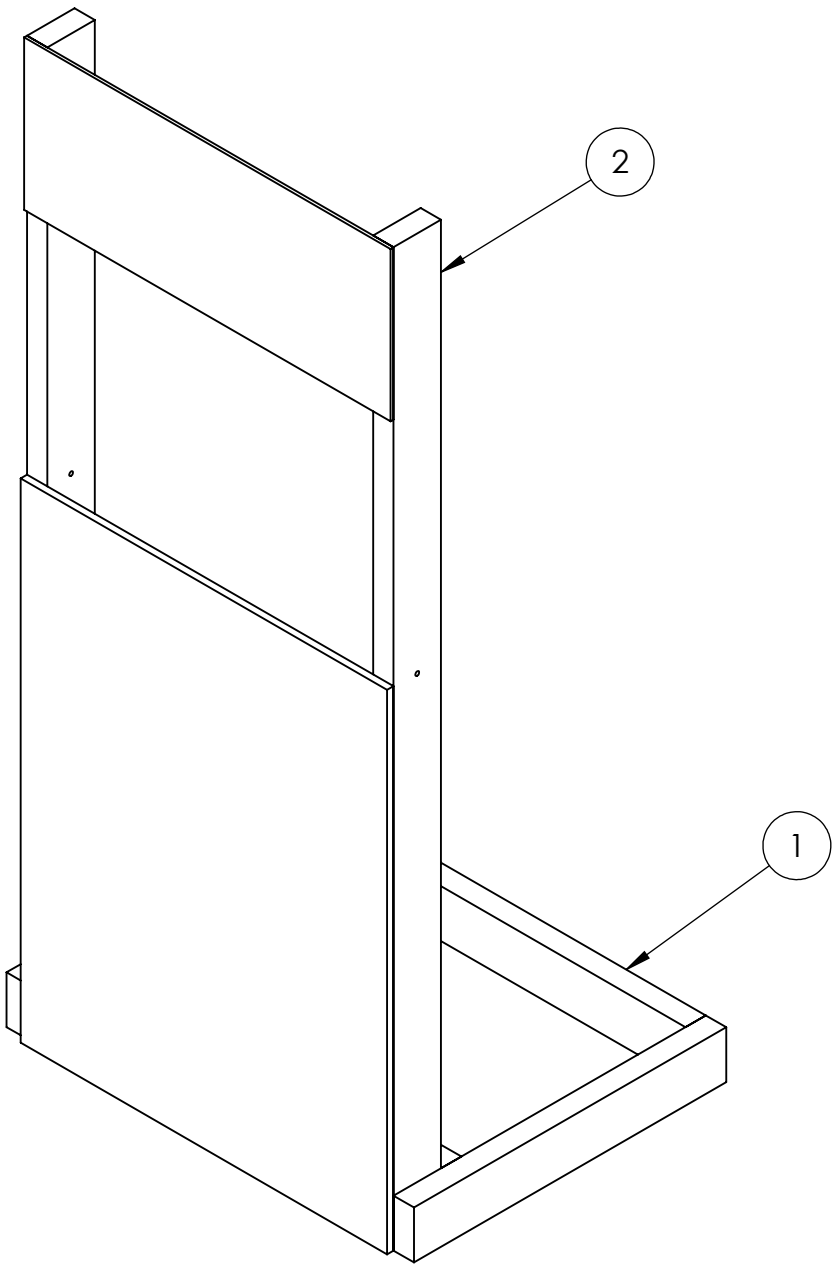
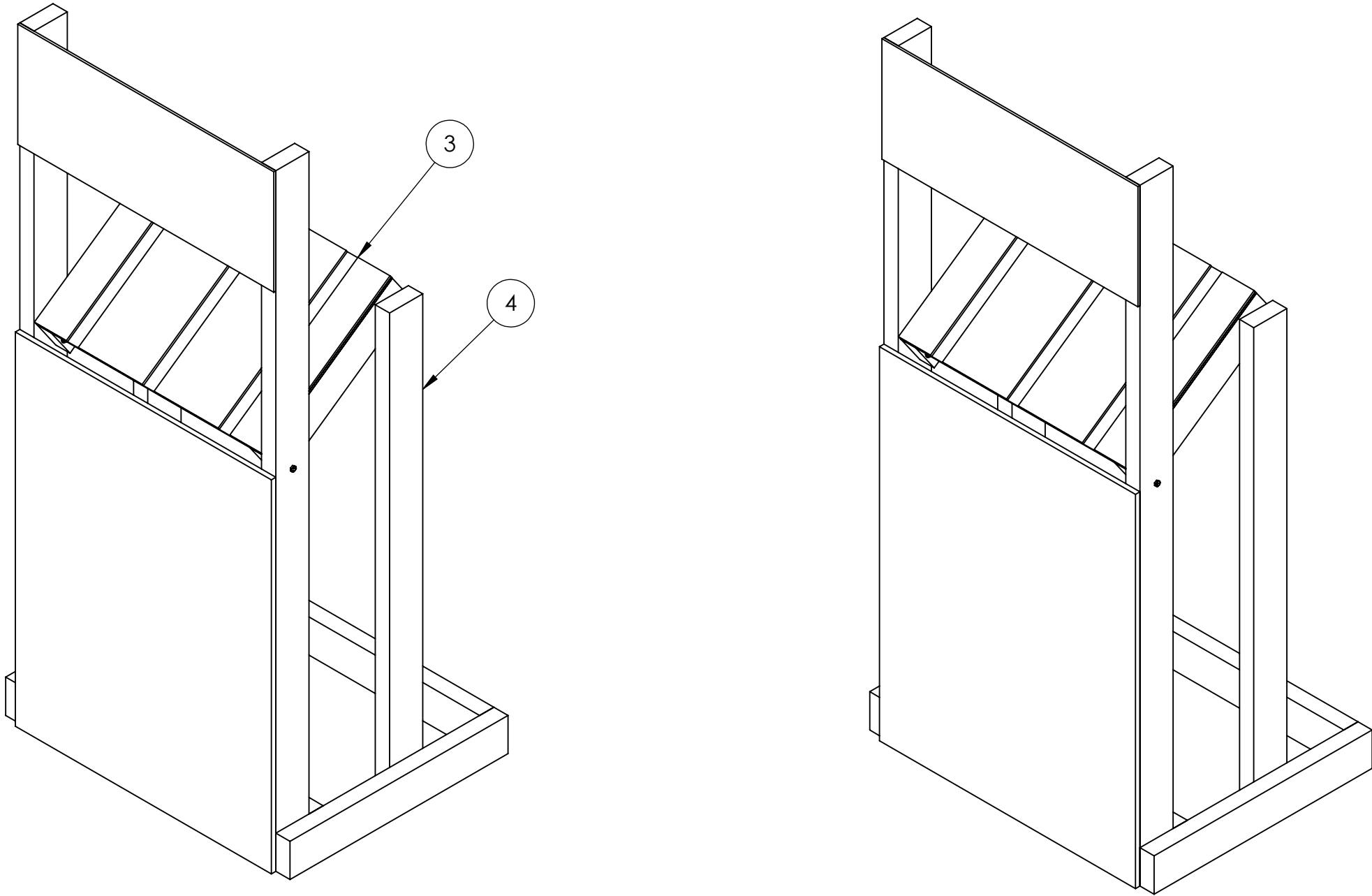


Step 1: Cut and assemble all subassemblies and parts shown in the Bill of Materials.

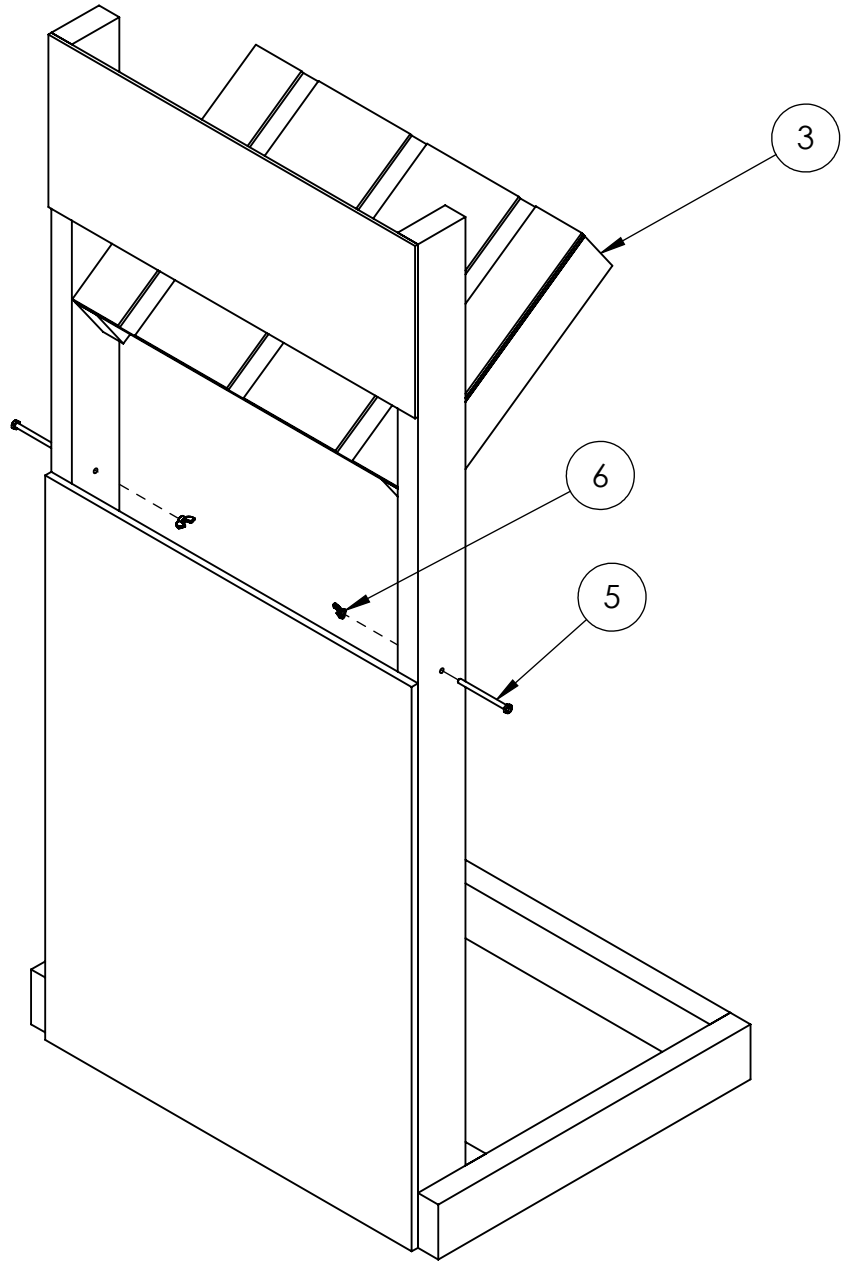
Step 2: Attach 1 to 2 with wood screws as shown.





Step 4: Using a Leveling App on your phone, rotate 3 until it is at a 35 degree angle from the floor.
Then use both 4 s to lock 3 into place by attach them with wood scres to the rest of the assembly.
Go back and tighten 5 and 6 after confirming the angle of 3 is correct.

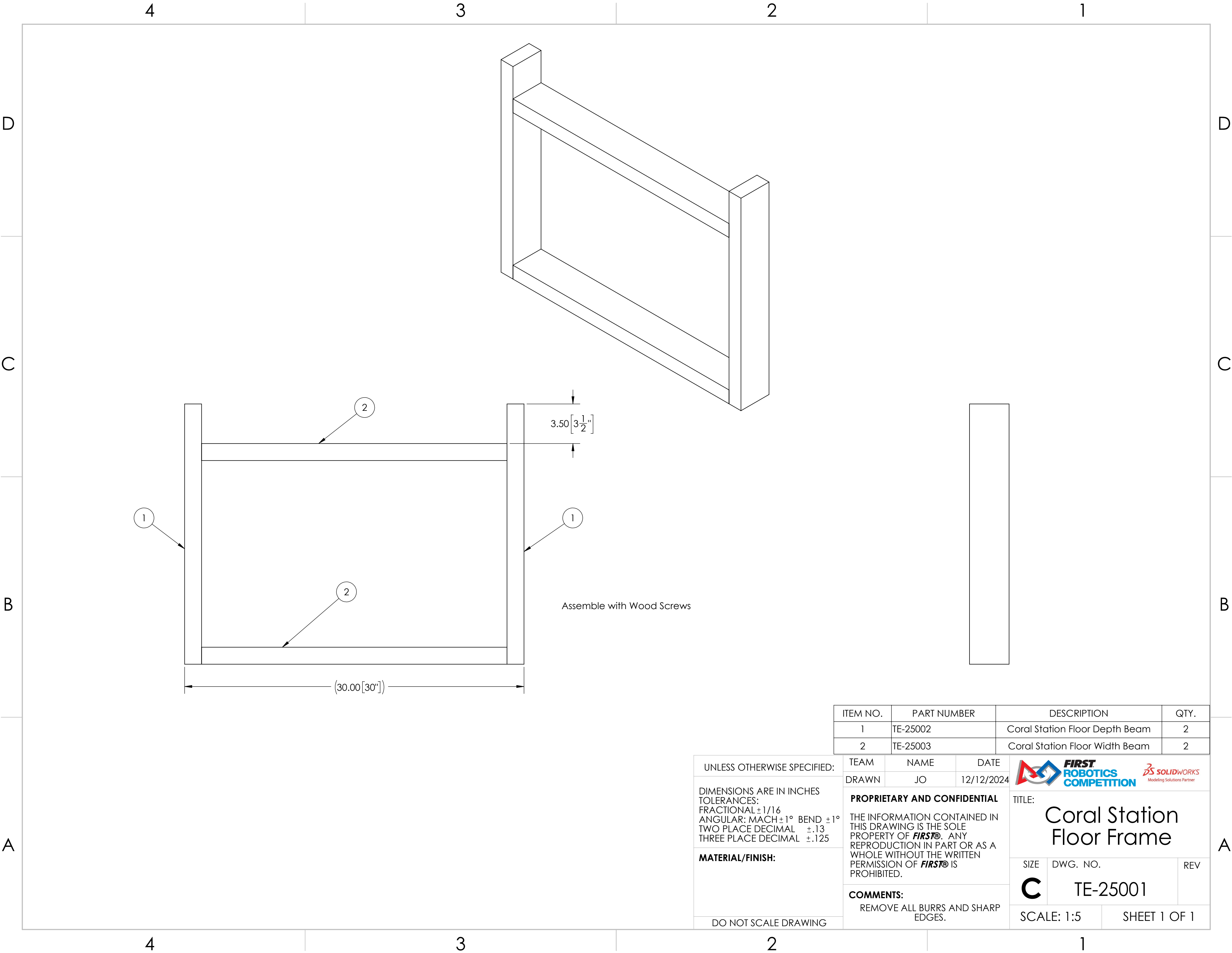


Step 3: Attach 3 to the assembly using 5 and 6 through the drilled holes in each part.
Leave this loose enough that 3 can rotate freely.





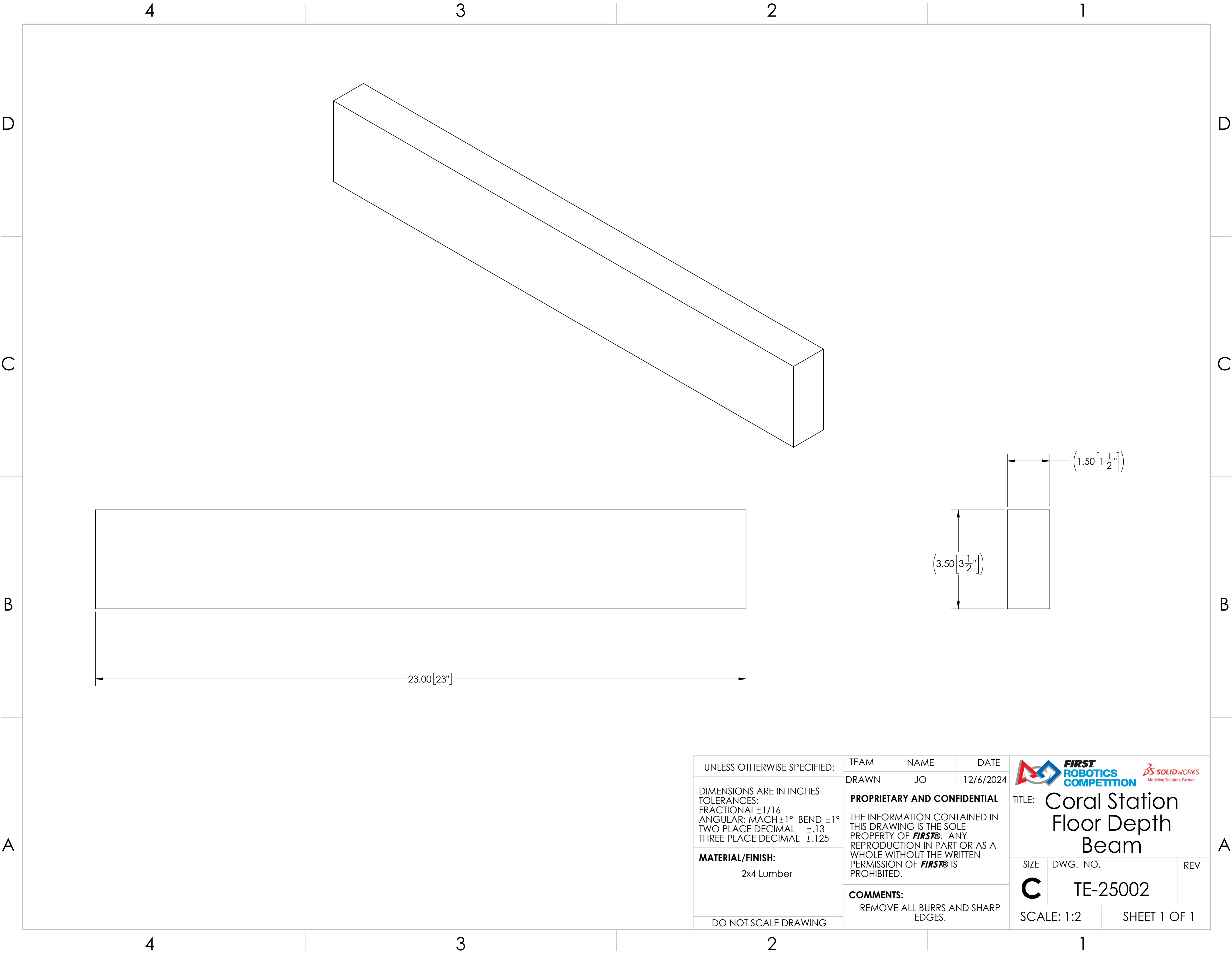
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TE-25001	Coral Station Floor Frame	1
2	TE-25004	Coral Station Front Frame	1
3	TE-25007	Coral Station Ramp Frame	1
4	TE-25010	Coral Station Back Height Beam	2
5	Configurable Bolt	1/4-20 Hex Head 3.5" Long	2
6	wing_.25_20	Steel Wing Nut, 1/4"-20, 31/64" Base Diameter	2



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: DO NOT SCALE DRAWING	TEAM	NAME	DATE	 	
	DRAWN	JO	12/13/2024		
	PROPRIETARY AND CONFIDENTIAL			TITLE:	
	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.			TE Coral Station	
COMMENTS:		REMOVE ALL BURRS AND SHARP EDGES.		SIZE	DWG. NO.
				C	TE-25000
				REV	
				SCALE: 1:10	
				SHEET 1 OF 1	



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TE-25002	Coral Station Floor Depth Beam	2
2	TE-25003	Coral Station Floor Width Beam	2

<div>UNLESS OTHERWISE SPECIFIED:</div> <div>DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ±1/16 ANGULAR: MACH ±1° BEND ±1° TWO PLACE DECIMAL ±.13 THREE PLACE DECIMAL ±.125</div> <div>MATERIAL/FINISH:</div> <div>DO NOT SCALE DRAWING</div>	TEAM	NAME	DATE	<div></div>	
	DRAWN	JO	12/12/2024		
	PROPRIETARY AND CONFIDENTIAL			TITLE: <div>Coral Station Floor Frame</div>	
	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.				
			SIZE	DWG. NO.	REV
			C	TE-25001	
			SCALE: 1:5		SHEET 1 OF 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 $\pm .125$ MATERIAL/FINISH: 2x4 Lumber DO NOT SCALE DRAWING	TEAM	NAME	DATE	<div></div> <div>TITLE: Coral Station Floor Depth Beam</div>		
	DRAWN	JO	12/6/2024			
	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
	COMMENTS: REMOVE ALL BURRS AND SHARP EDGES.			C	TE-25002	
SCALE: 1:2		SHEET 1 OF 1				

4

3

2

1

D

C

B

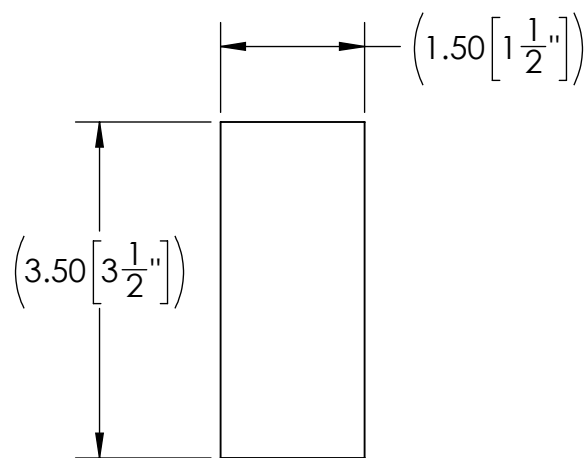
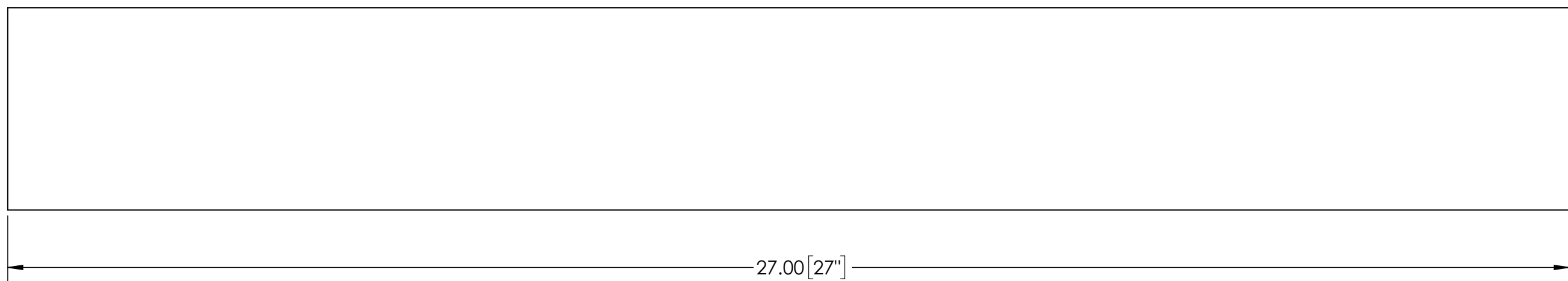
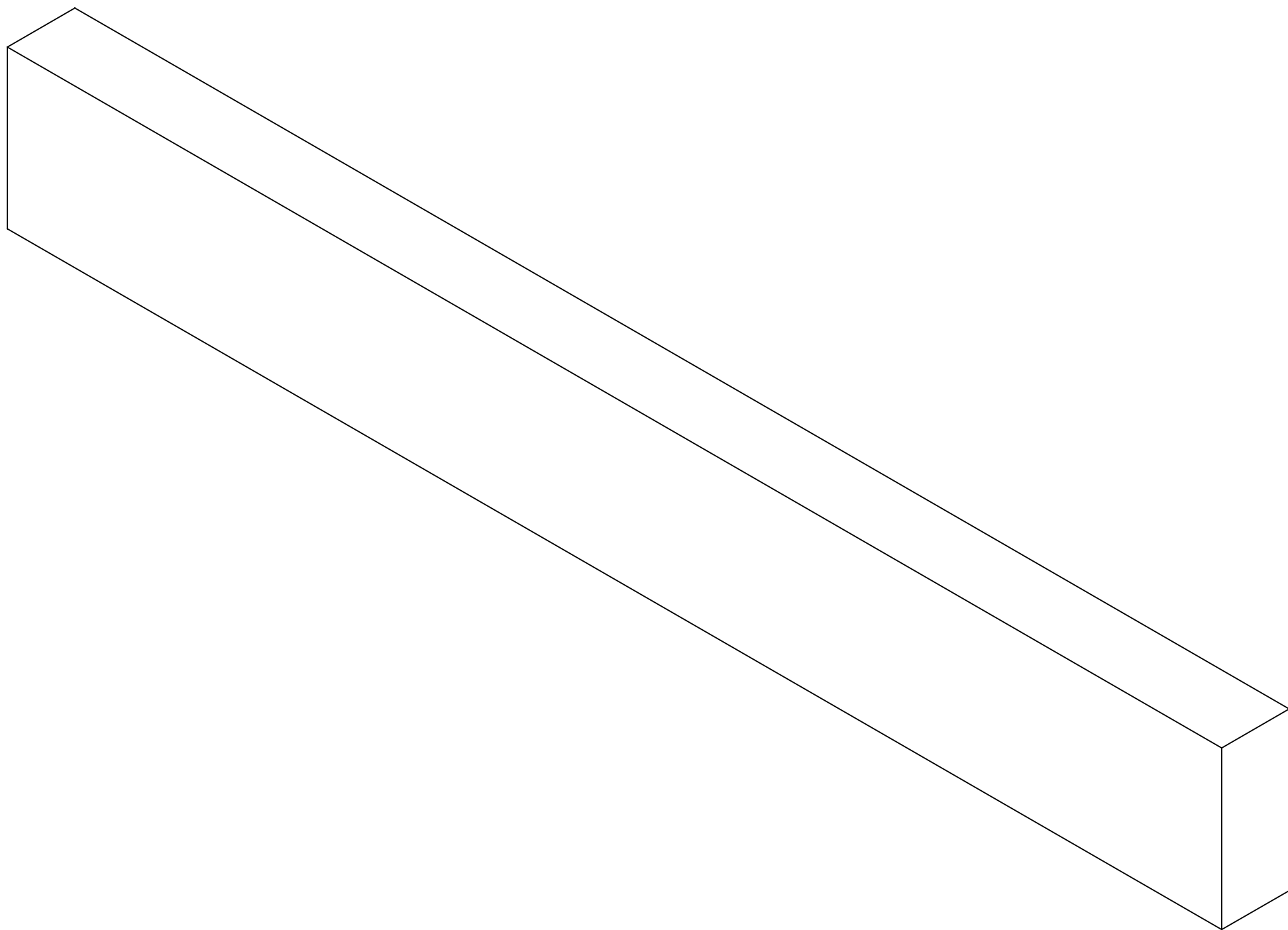
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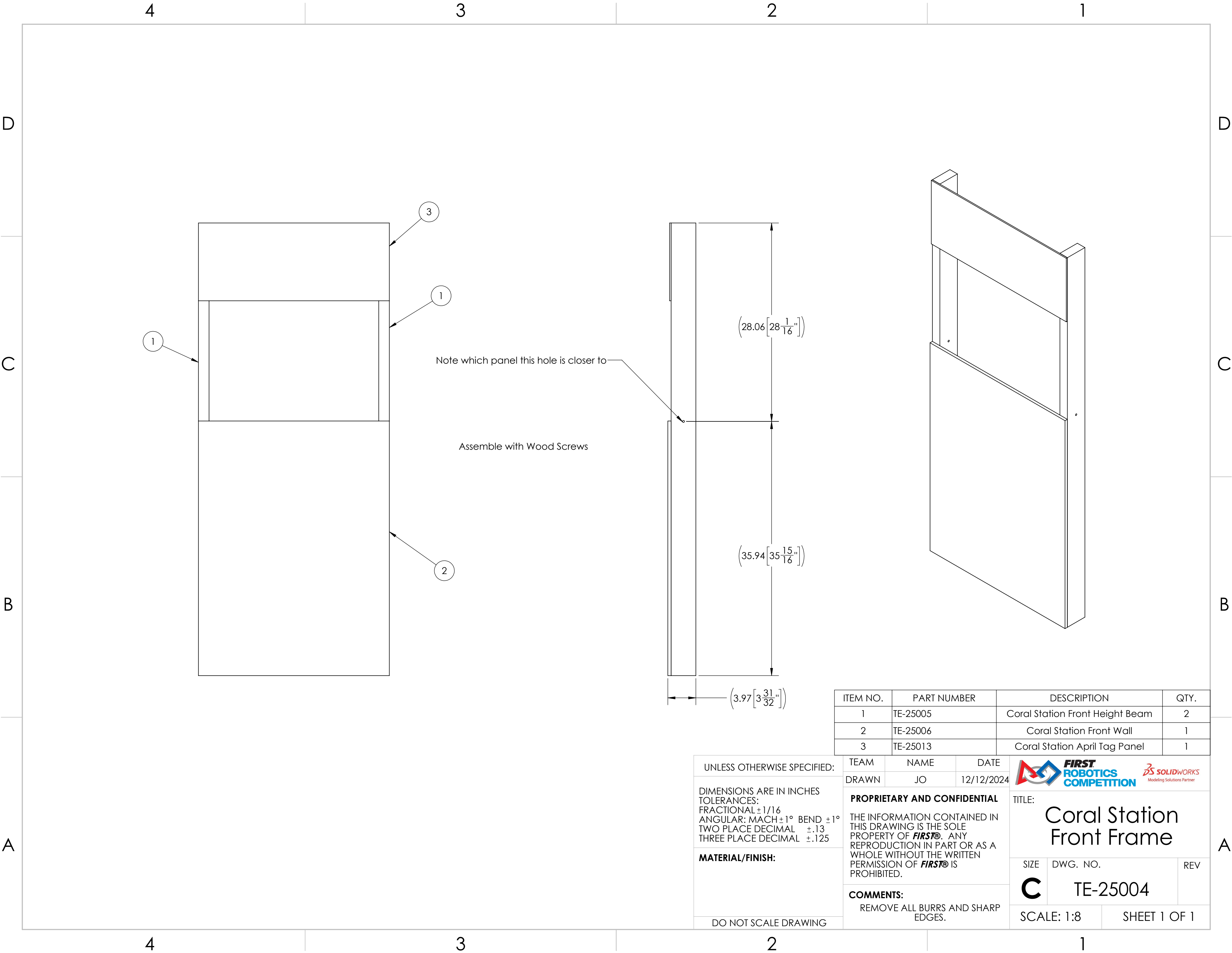
C

B

A



UNLESS OTHERWISE SPECIFIED:		TEAM	NAME	DATE	 FIRST ROBOTICS COMPETITION 	
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 $\pm .125$		DRAWN	JO	12/6/2024	TITLE: Coral Station Floor Width Beam	
MATERIAL/FINISH: 2x4 Lumber		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.
DO NOT SCALE DRAWING		COMMENTS: REMOVE ALL BURRS AND SHARP EDGES.			C	TE-25003
					SCALE: 1:2	SHEET 1 OF 1



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TE-25005	Coral Station Front Height Beam	2
2	TE-25006	Coral Station Front Wall	1
3	TE-25013	Coral Station April Tag Panel	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 $\pm .125$

MATERIAL/FINISH:

DO NOT SCALE DRAWING

TEAM

NAME

DATE

DRAWN

JO

12/12/2024

PROPRIETARY AND CONFIDENTIAL

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COMMENTS:

REMOVE ALL BURRS AND SHARP EDGES.

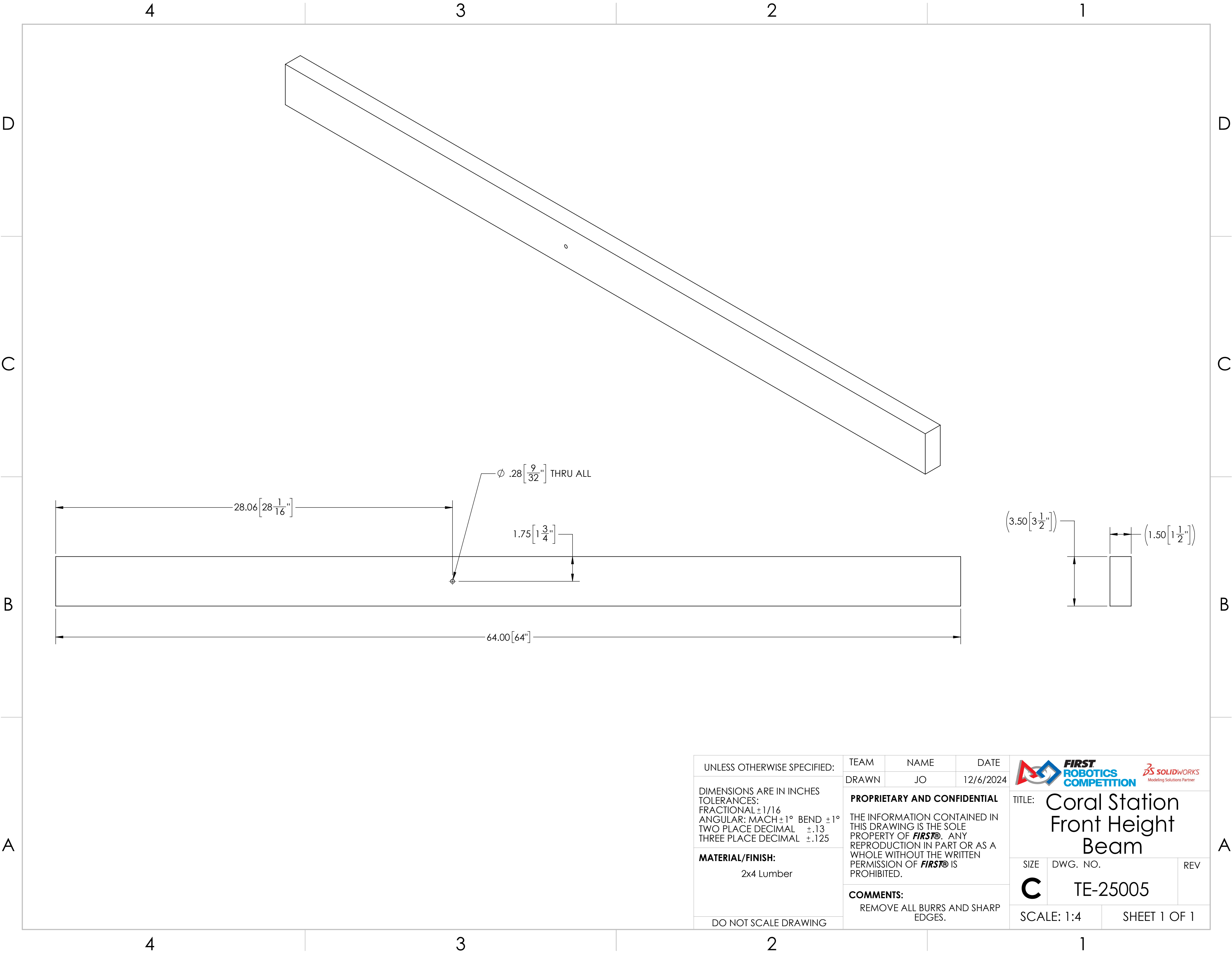
FIRST®
ROBOTICS
COMPETITION



3D SOLIDWORKS
Modeling Solutions Partner

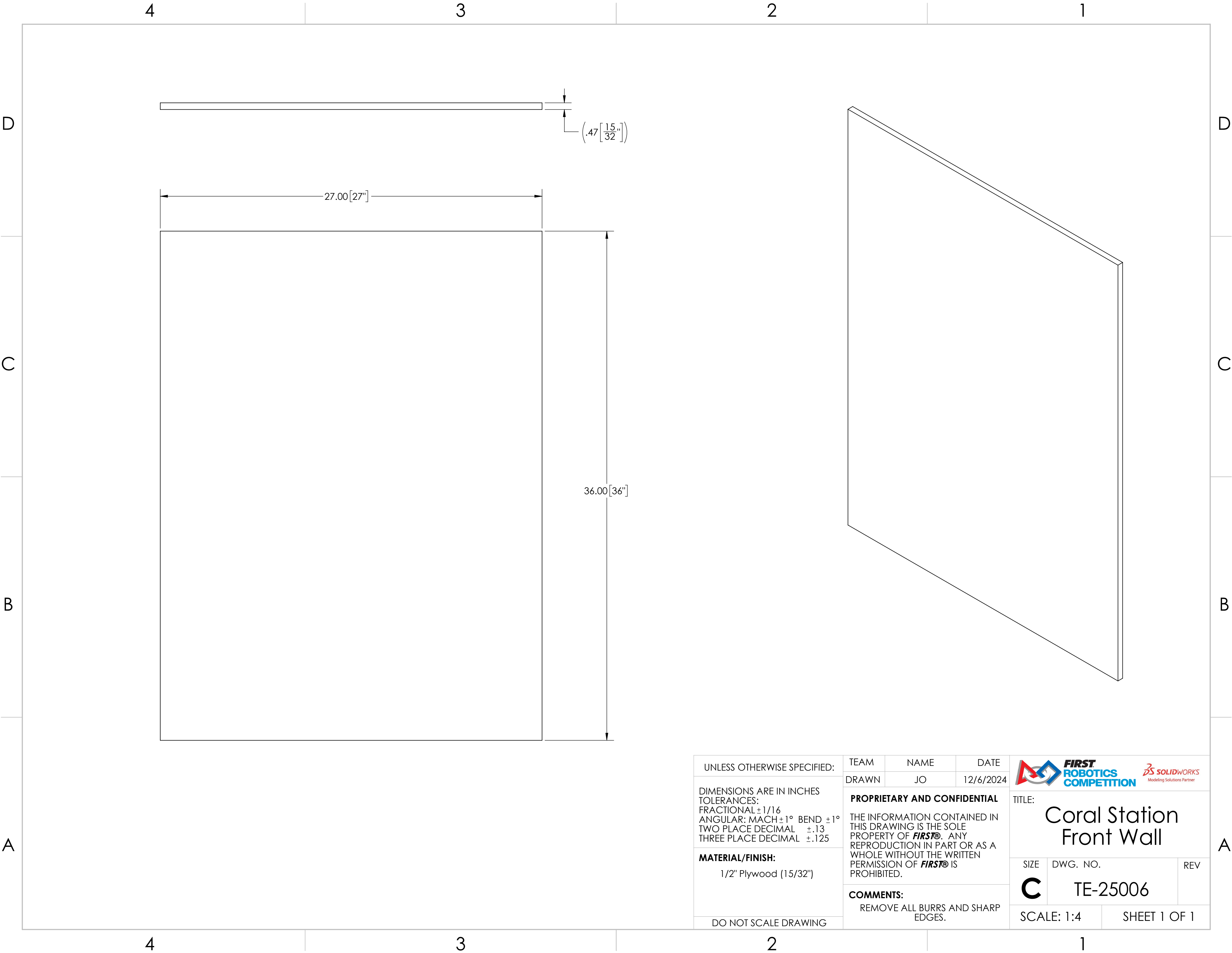
TITLE:



Coral Station Front Frame

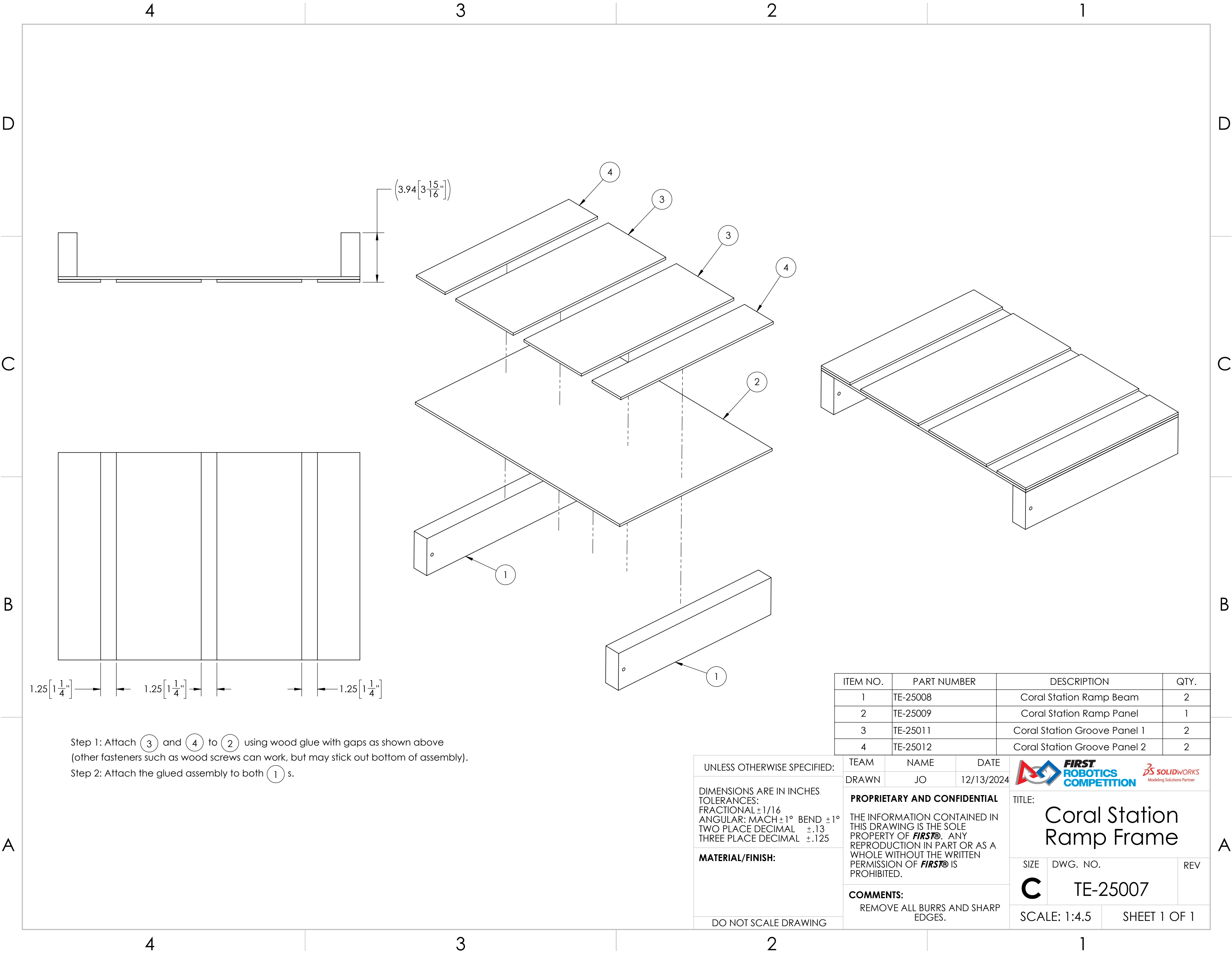
SIZE	DWG. NO.	REV
C	TE-25004	
SCALE: 1:8		SHEET 1 OF 1





UNLESS OTHERWISE SPECIFIED:	TEAM	NAME	DATE	<div></div>		
	DRAWN	JO	12/6/2024			
DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ±1/16 ANGULAR: MACH ±1° BEND ±1° TWO PLACE DECIMAL ±.13 THREE PLACE DECIMAL ±.125	PROPRIETARY AND CONFIDENTIAL			TITLE: Coral Station Front Height Beam		
	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:					
MATERIAL/FINISH:	REMOVE ALL BURRS AND SHARP EDGES.			SIZE	DWG. NO.	REV
2x4 Lumber				C	TE-25005	
DO NOT SCALE DRAWING				SCALE: 1:4		SHEET 1 OF 1

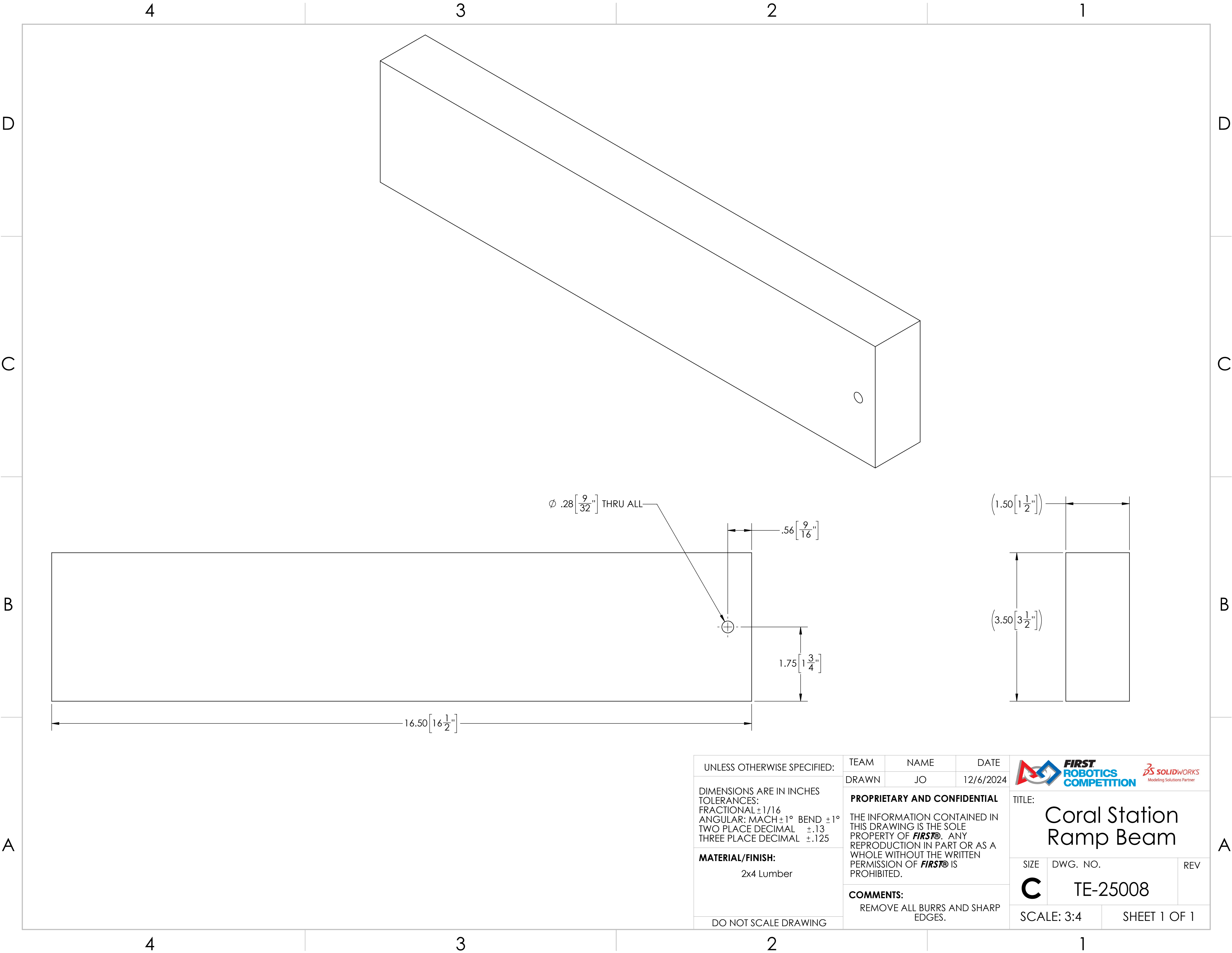


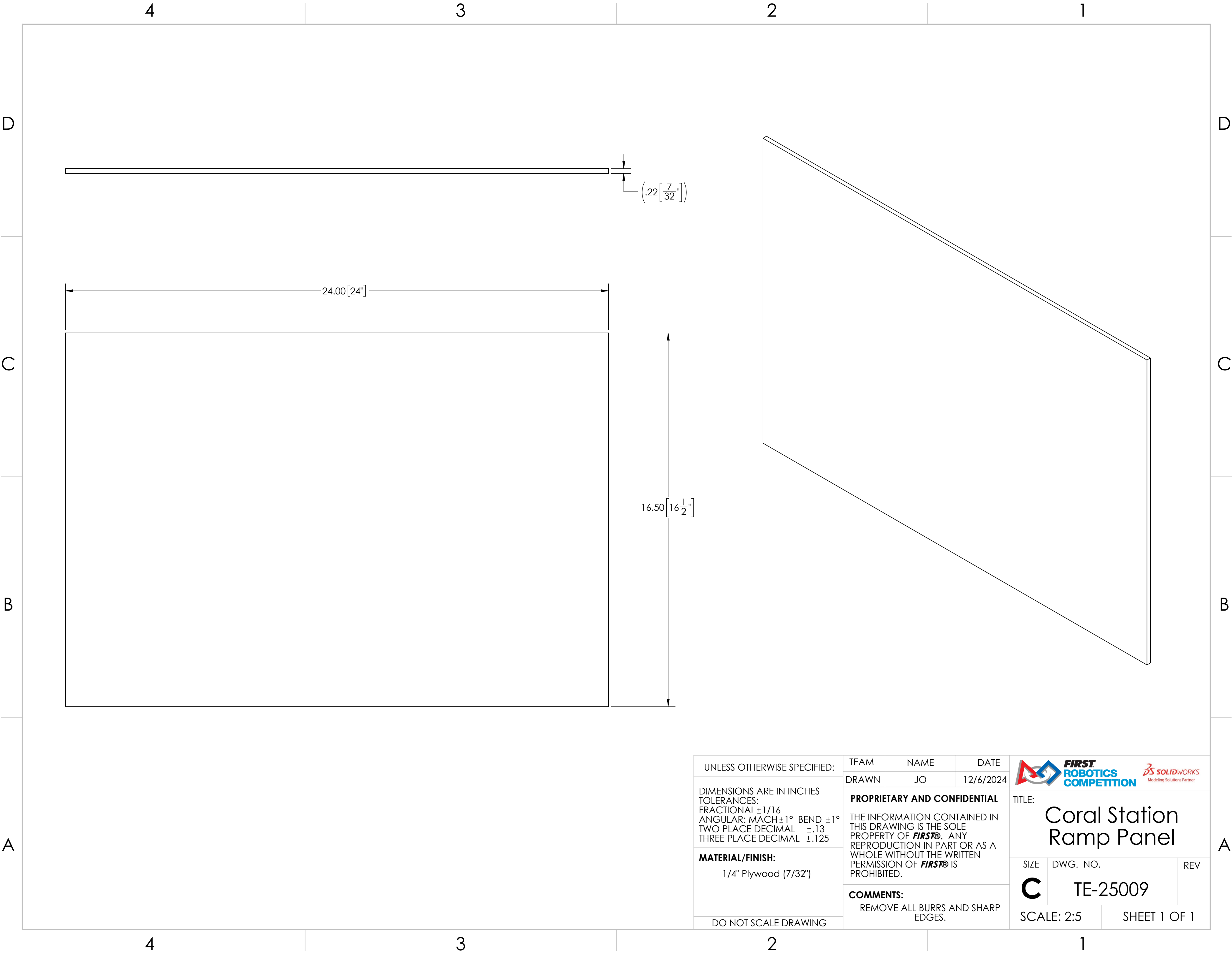
UNLESS OTHERWISE SPECIFIED:	TEAM	NAME	DATE	<div><div></div><div>TITLE: Coral Station Front Wall</div></div>		
	DRAWN	JO	12/6/2024			
DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ±1/16 ANGULAR: MACH ±1° BEND ±1° TWO PLACE DECIMAL ±.13 THREE PLACE DECIMAL ±.125	PROPRIETARY AND CONFIDENTIAL			<div><div>SIZE</div><div>DWG. NO.</div><div>REV</div></div>		
	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.					
MATERIAL/FINISH: 1/2" Plywood (15/32")				<div><div>C</div><div>TE-25006</div></div>		
DO NOT SCALE DRAWING						
				SCALE: 1:4		SHEET 1 OF 1





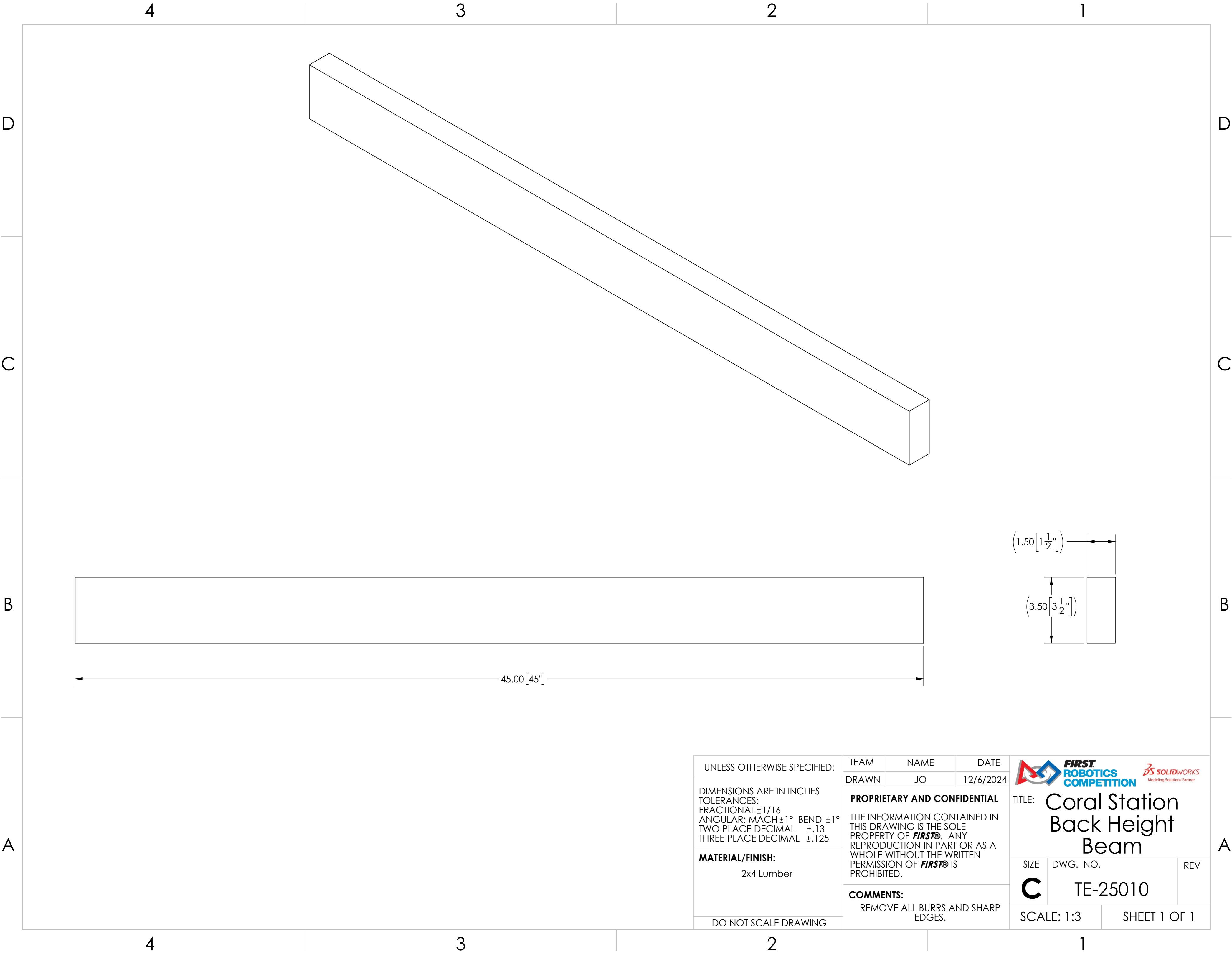
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TE-25008	Coral Station Ramp Beam	2
2	TE-25009	Coral Station Ramp Panel	1
3	TE-25011	Coral Station Groove Panel 1	2
4	TE-25012	Coral Station Groove Panel 2	2



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: DO NOT SCALE DRAWING	TEAM	NAME	DATE	 	
	DRAWN	JO	12/13/2024		
	PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST® . ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.			TITLE: Coral Station Ramp Frame	
	COMMENTS: REMOVE ALL BURRS AND SHARP EDGES.			SIZE C	DWG. NO. TE-25007
		SCALE: 1:4.5		SHEET 1 OF 1	

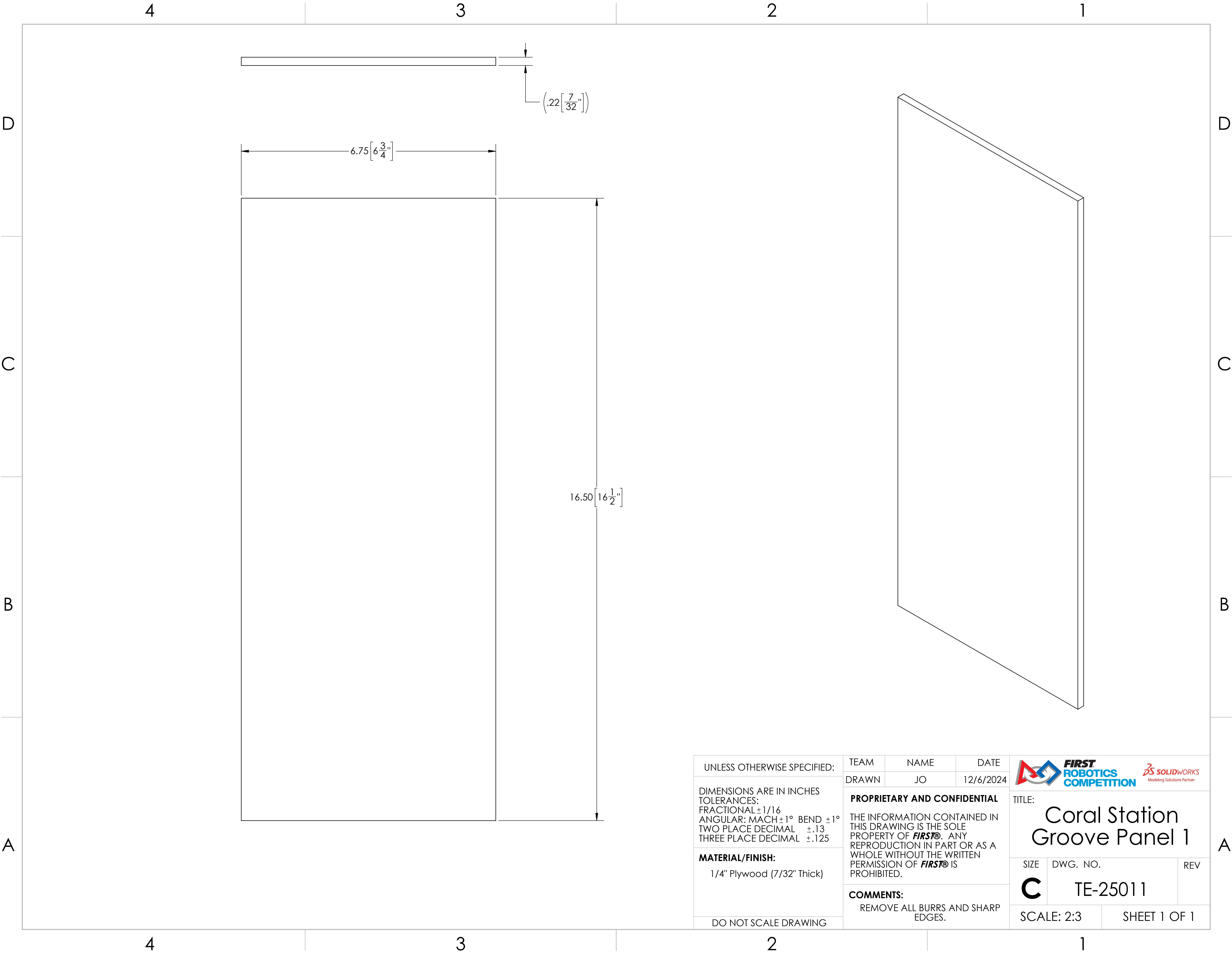






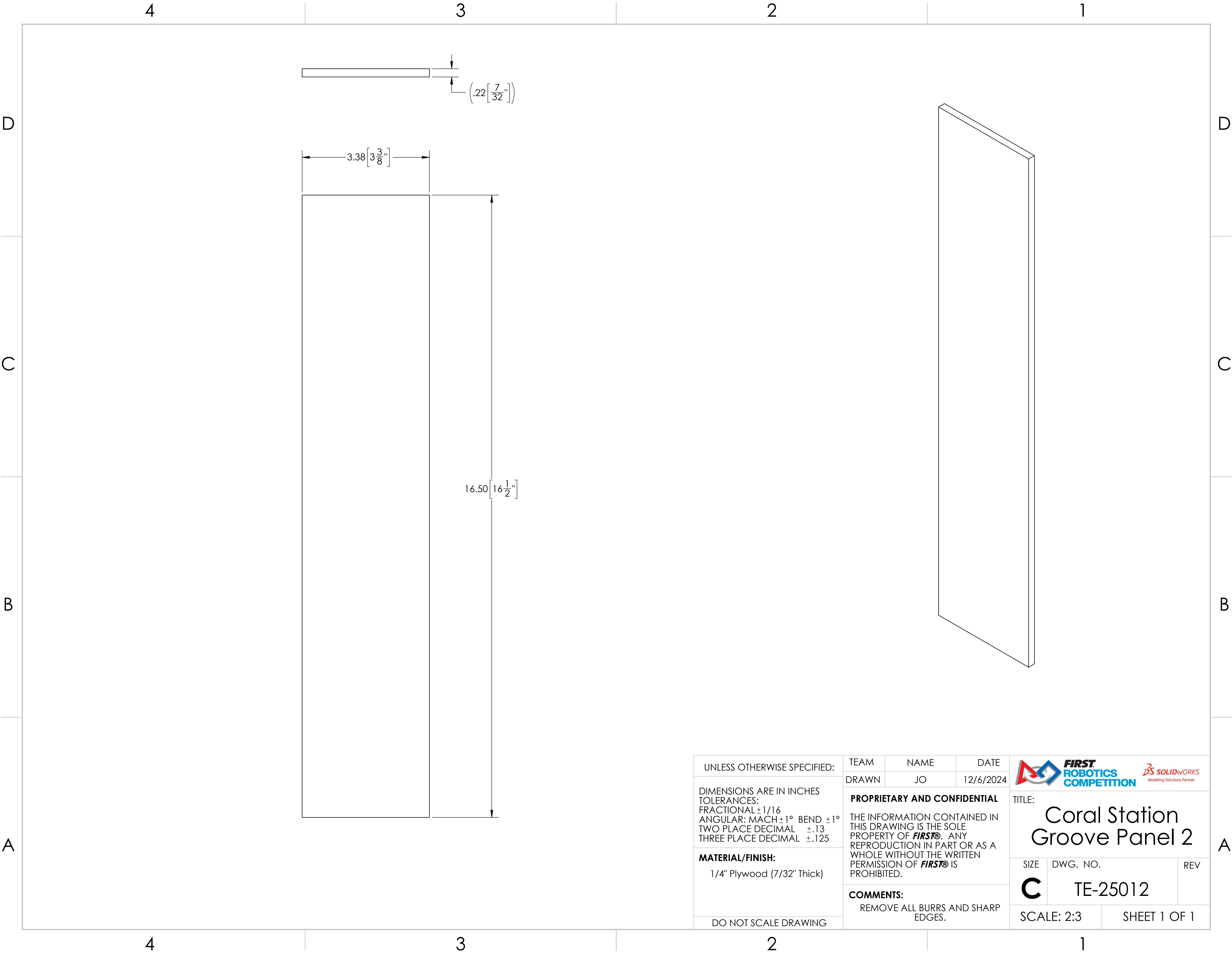
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL $\pm 1/16$ ANGULAR: MACH $\pm 1^\circ$ BEND $\pm 1^\circ$ TWO PLACE DECIMAL $\pm .13$ THREE PLACE DECIMAL $\pm .125$ MATERIAL/FINISH: 1/4" Plywood (7/32") DO NOT SCALE DRAWING	TEAM	NAME	DATE	<div></div> <div>TITLE: <h1>Coral Station Ramp Panel</h1></div>		
	DRAWN	JO	12/6/2024			
	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
	COMMENTS: REMOVE ALL BURRS AND SHARP EDGES.			C	TE-25009	
		SCALE: 2:5		SHEET 1 OF 1		





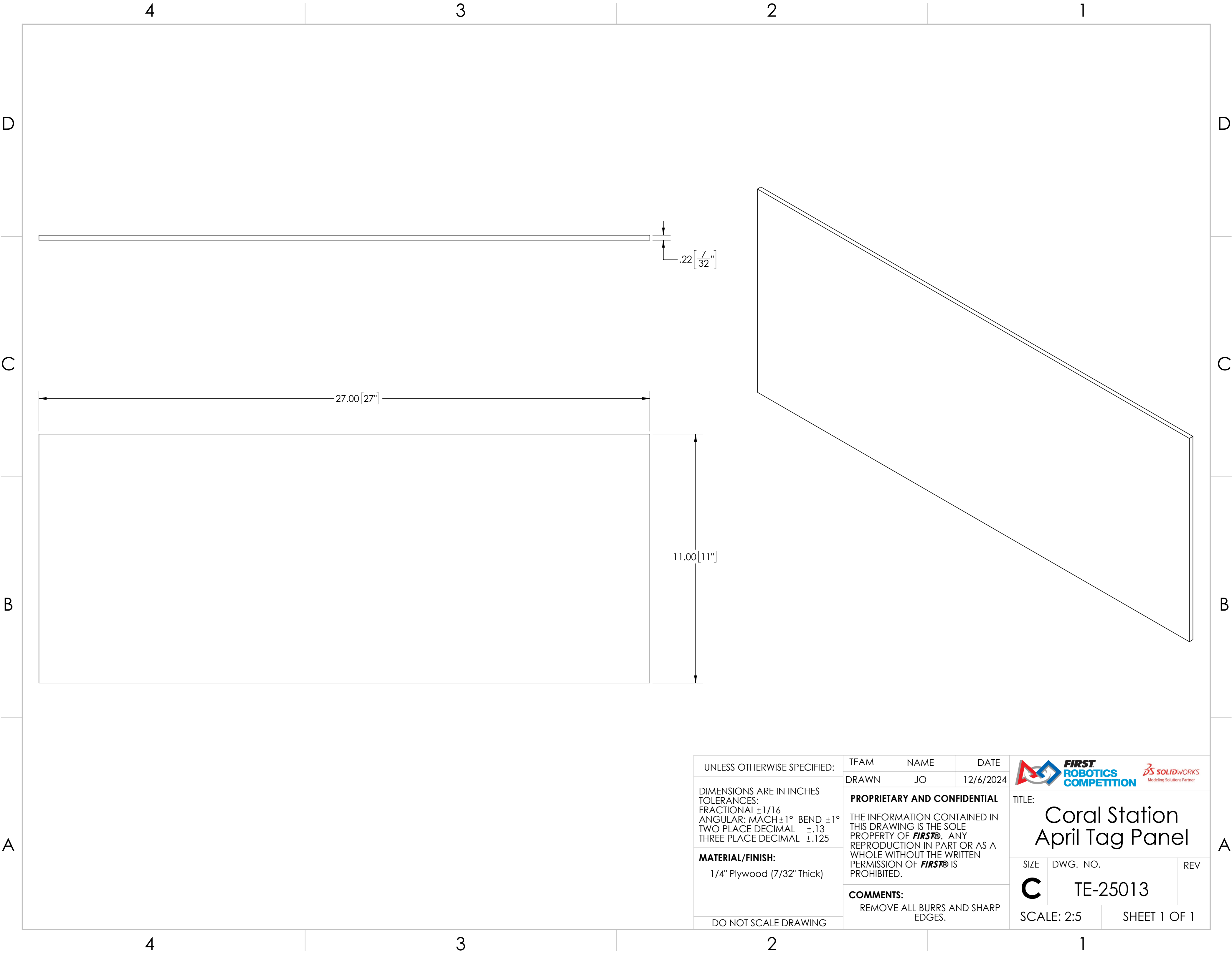
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL $\pm 1/16$ ANGULAR: MACH $\pm 1^\circ$ BEND $\pm 1^\circ$ TWO PLACE DECIMAL $\pm .13$ THREE PLACE DECIMAL $\pm .125$ MATERIAL/FINISH: 2x4 Lumber DO NOT SCALE DRAWING	TEAM	NAME	DATE	<div></div> <div>TITLE: Coral Station Back Height Beam</div>		
	DRAWN	JO	12/6/2024			
	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
	COMMENTS: REMOVE ALL BURRS AND SHARP EDGES.			C	TE-25010	
SCALE: 1:3		SHEET 1 OF 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: 1/4" Plywood (7/32" Thick) DO NOT SCALE DRAWING	TEAM	NAME	DATE	<div></div>	
	DRAWN	JO	12/6/2024		
	<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. COMMENTS: REMOVE ALL BURRS AND SHARP EDGES.</div>				
TITLE:				Coral Station Groove Panel 1	
SIZE		DWG. NO.		REV	
C		TE-25011			
SCALE: 2:3			SHEET 1 OF 1		



UNLESS OTHERWISE SPECIFIED:	TEAM	NAME	DATE	<div></div>		
	DRAWN	JO	12/6/2024			
DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ±1/16 ANGULAR: MACH ±1° BEND ±1° TWO PLACE DECIMAL ±.13 THREE PLACE DECIMAL ±.125	PROPRIETARY AND CONFIDENTIAL			TITLE: Coral Station Groove Panel 2		
	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST® . ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® IS PROHIBITED.					
MATERIAL/FINISH: 1/4" Plywood (7/32" Thick)	COMMENTS:			SIZE	DWG. NO.	REV
	REMOVE ALL BURRS AND SHARP EDGES.			C	TE-25012	
DO NOT SCALE DRAWING				SCALE: 2:3		SHEET 1 OF 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 $\pm .125$

MATERIAL/FINISH:
1/4" Plywood (7/32" Thick)

DO NOT SCALE DRAWING

TEAM	NAME	DATE
DRAWN	JO	12/6/2024

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COMMENTS:
REMOVE ALL BURRS AND SHARP EDGES.

	
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TITLE:

Coral Station
April Tag Panel

SIZE	DWG. NO.	REV
C	TE-25013	

SCALE: 2:5	SHEET 1 OF 1
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