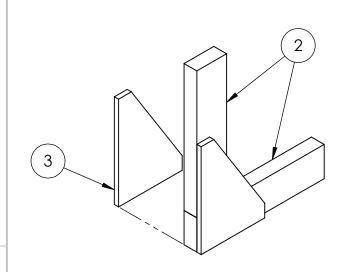


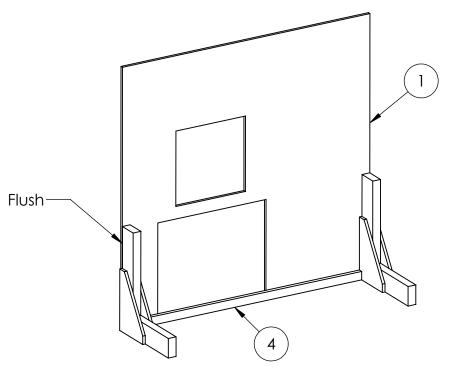
2

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В

Attach Item 2 (Qty. 2) and Item 3 (Qty. 2) as shown with wood screws. Build two total.



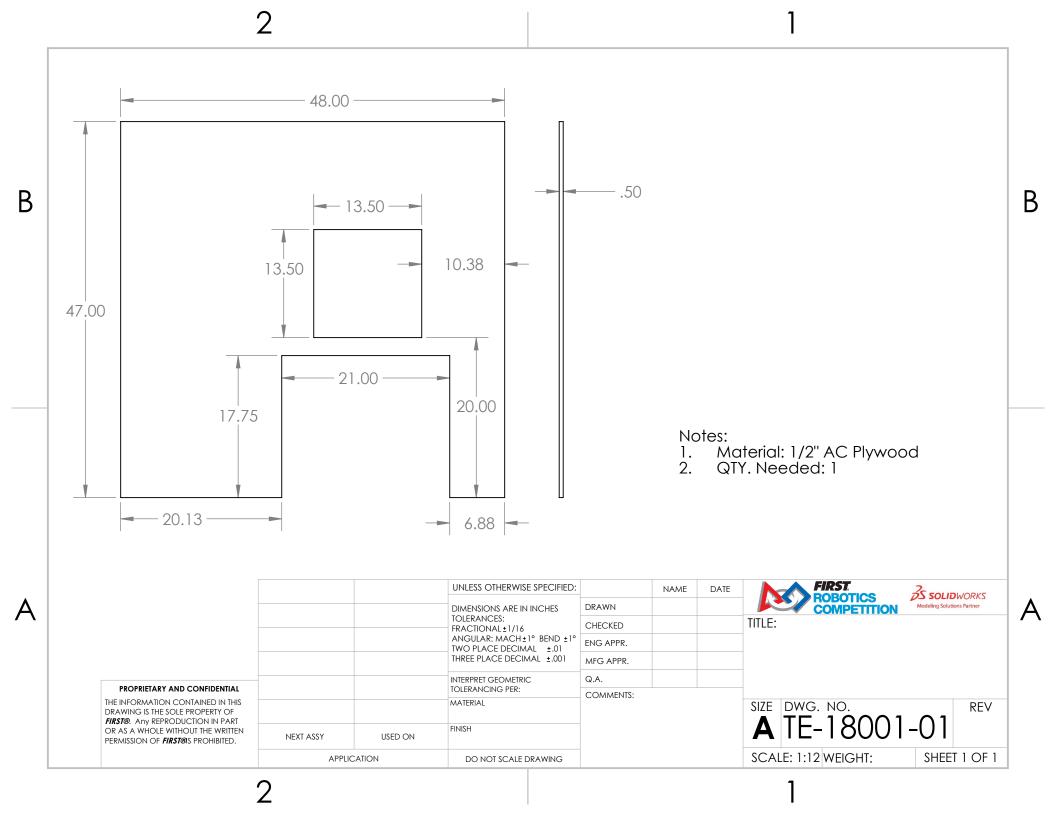
Using wood screws, attach the two leg assemblies to Item 1, so that the 2x4 is flush with the edge of the plywood. Place Item 4 between the two leg assemblies and secure with screws.

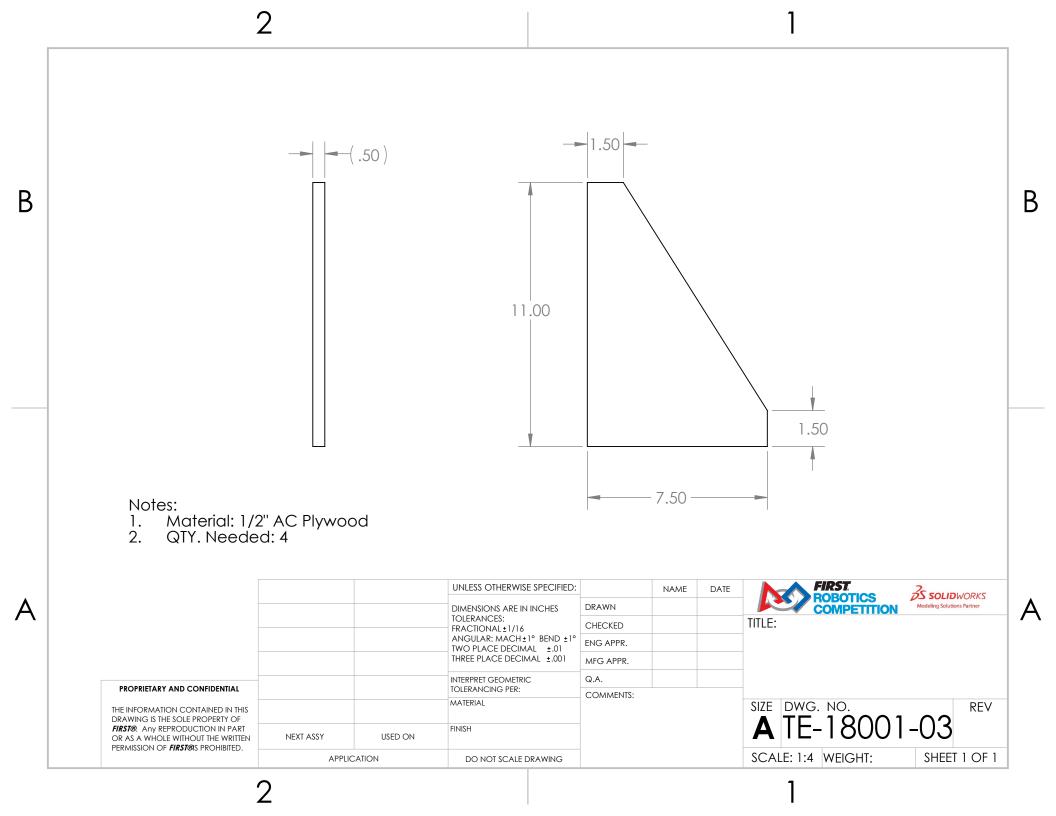
			UNLESS OTHERWISE SPECIFIED:		NAME	DATE	FIRST. ROBOTICS 25 SOLIDWORKS		
			DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL±1/16 ANGULAR: MACH±1° BEND±1° TWO PLACE DECIMAL ±.01 THREE PLACE DECIMAL ±.001	DRAWN			COMPETITION Modeling Solutions Partner		
-				CHECKED			TITLE:		
				ENG APPR.			Exchange		
				MFG APPR.			Lacitatige		
DDODDITTA DV. A ND. CONFIDENTIA I			INTERPRET GEOMETRIC	Q.A.					
PROPRIETARY AND CONFIDENTIAL			TOLERANCING PER:	COMMENTS:					
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				SIZE DWG. NO. REY		
	NEXT ASSY	USED ON	FINISH				A TE-18001		
	APPLIC	CATION	DO NOT SCALE DRAWING				SCALE: 1:16 WEIGHT: SHEET 2 OF		

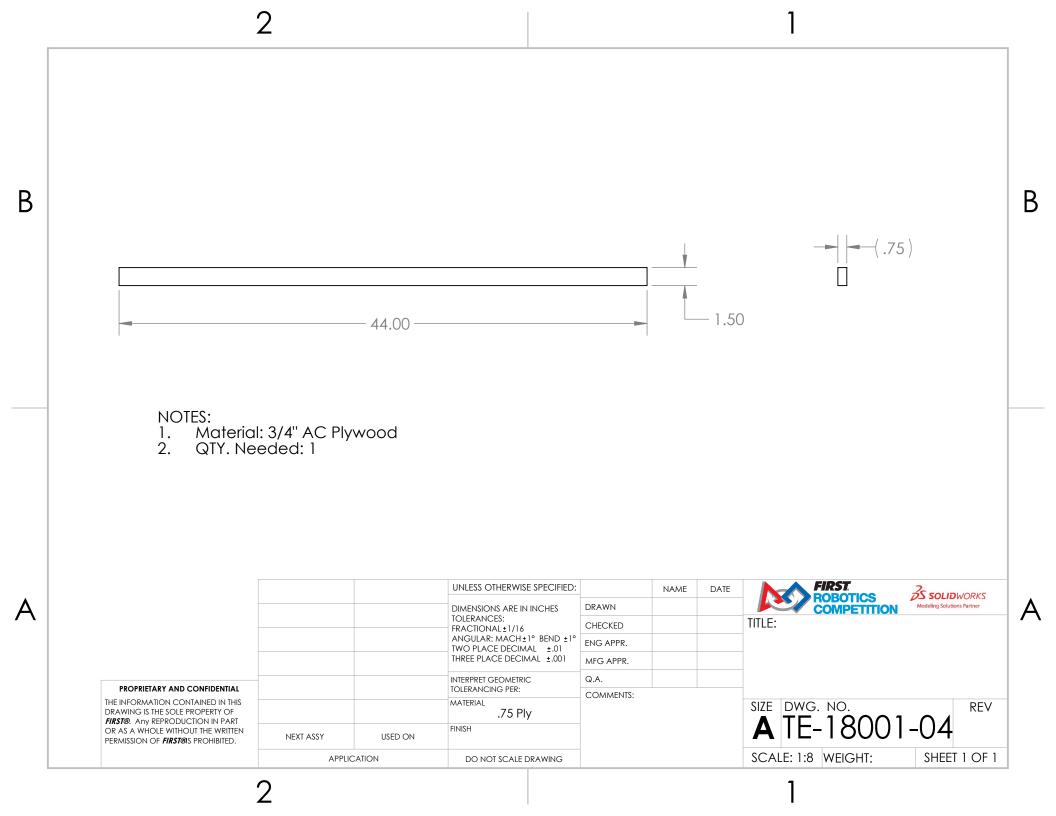
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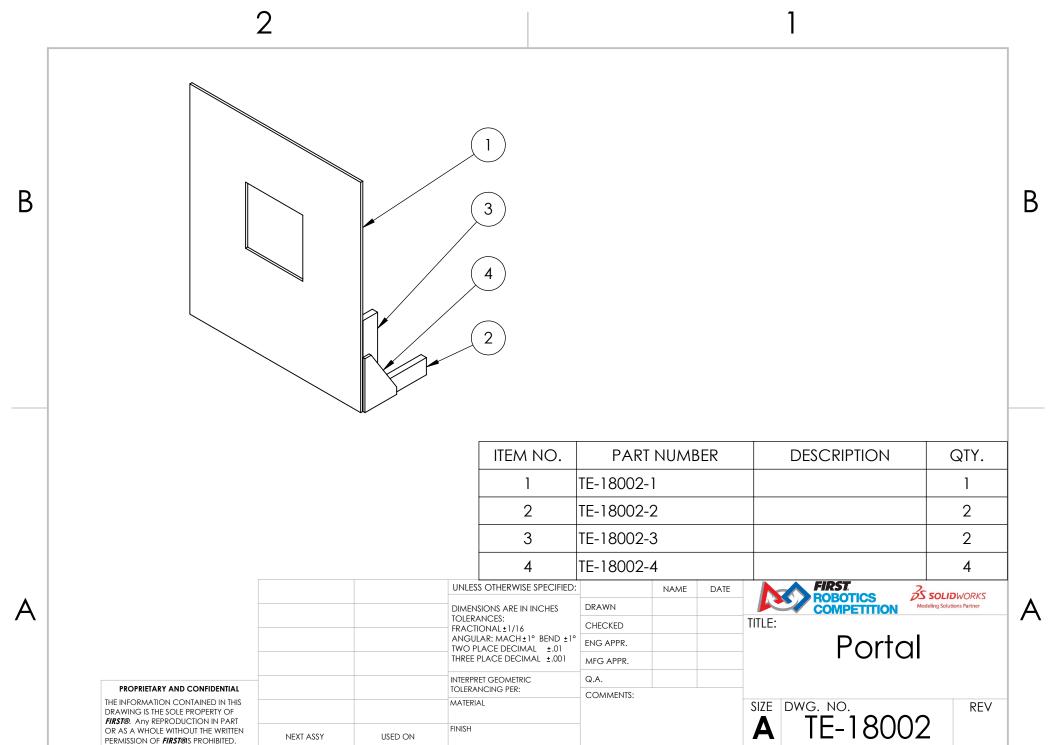
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DO NOT SCALE DRAWING

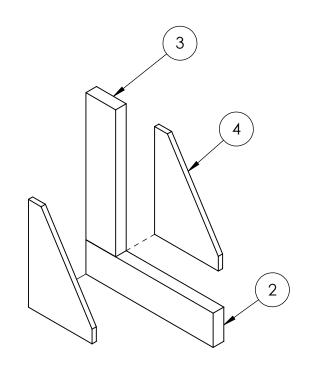
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APPLICATION

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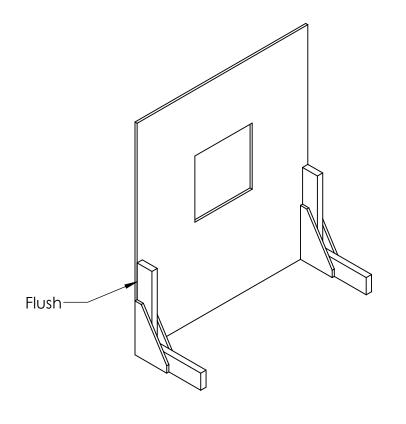
SCALE: 1:16 WEIGHT:

SHEET 1 OF 2



В

Create leg assemblies by attaching Item 4 (qty. 2) to Items 2 and 3 with wood screws as necessary. Qty. 2.



Attach two leg assemblies to Item 1 as shown using wood screws.

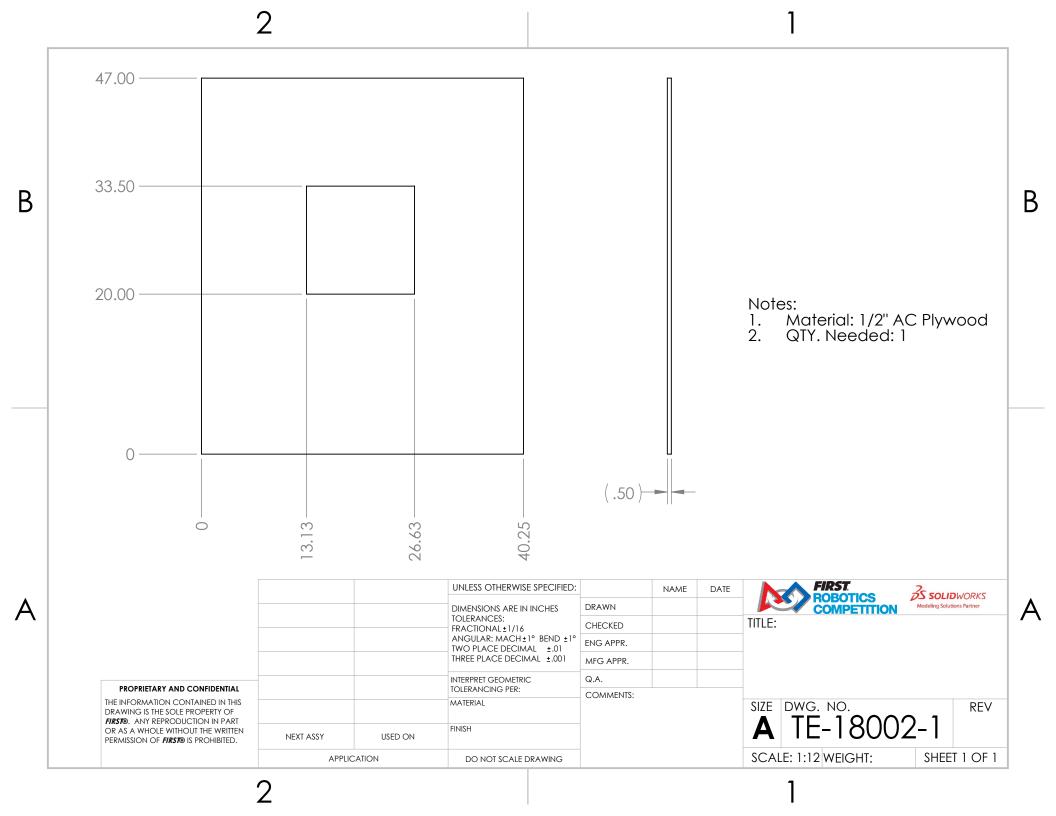
			UNLESS OTHERWISE SPECIFIED:		NAME	DATE	FIRST. ROBOTICS	S SOLIDWORKS	
			DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL±1/16 ANGULAR: MACH±1° BEND±1° TWO PLACE DECIMAL ±.01 THREE PLACE DECIMAL ±.001	DRAWN				Modeling Solutions Partner	
				CHECKED			Portal		
				ENG APPR.					
				MFG APPR.					
PROPRIETARY AND CONFIDENTIAL			INTERPRET GEOMETRIC	Q.A.					
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®S PROHIBITED.			TOLERANCING PER: MATERIAL	COMMENTS:			SIZE DWG. NO.		
	NEXT ASSY	USED ON	FINISH				A TE-18002		
	APPLICATION		DO NOT SCALE DRAWING				SCALE: 1:16 WEIGHT:	SHEET 2 OF 2	

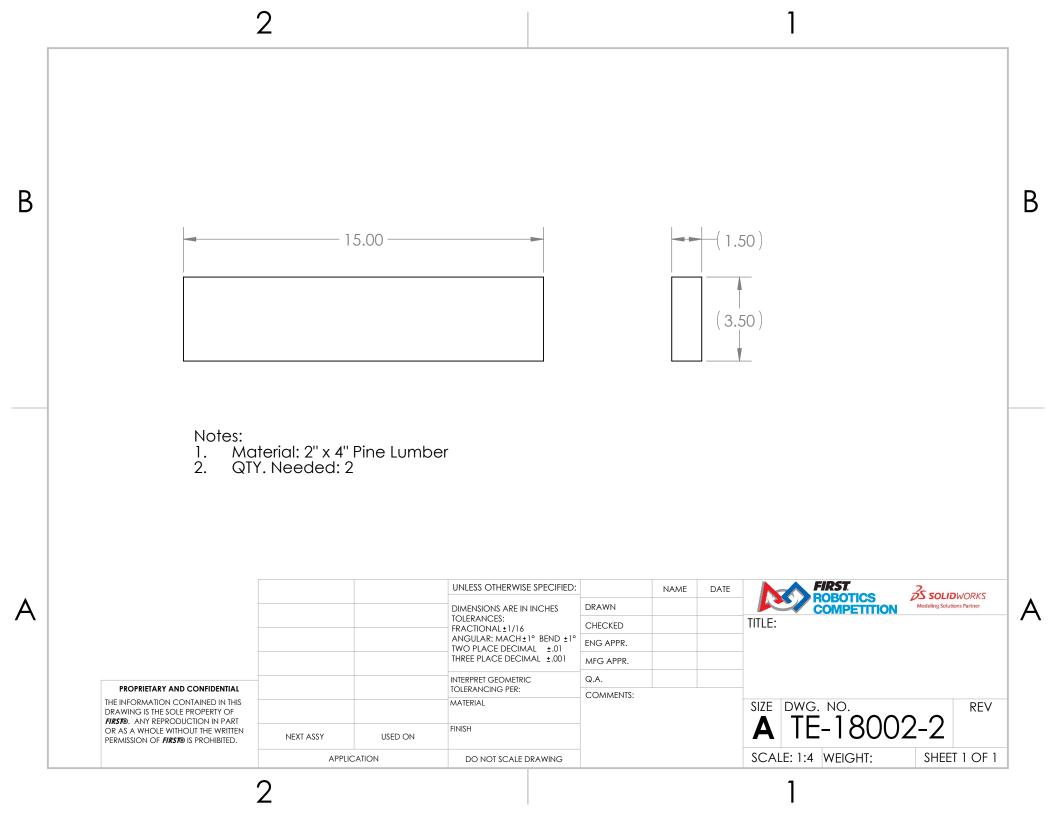
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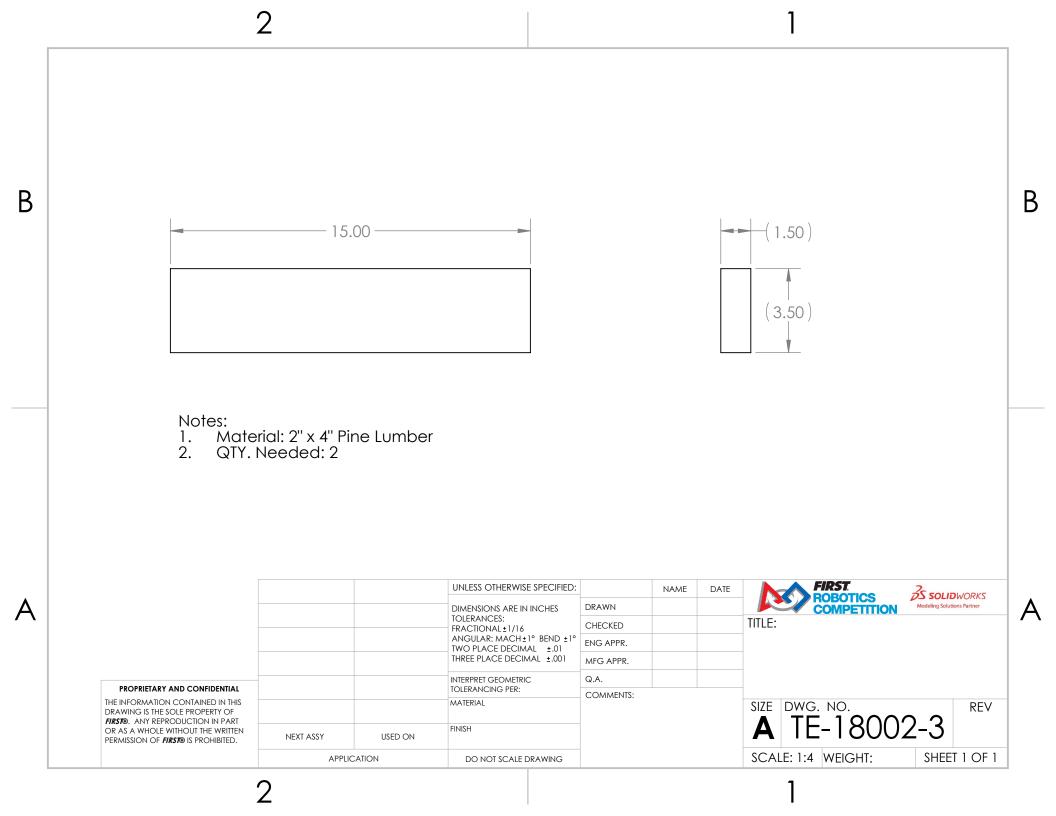
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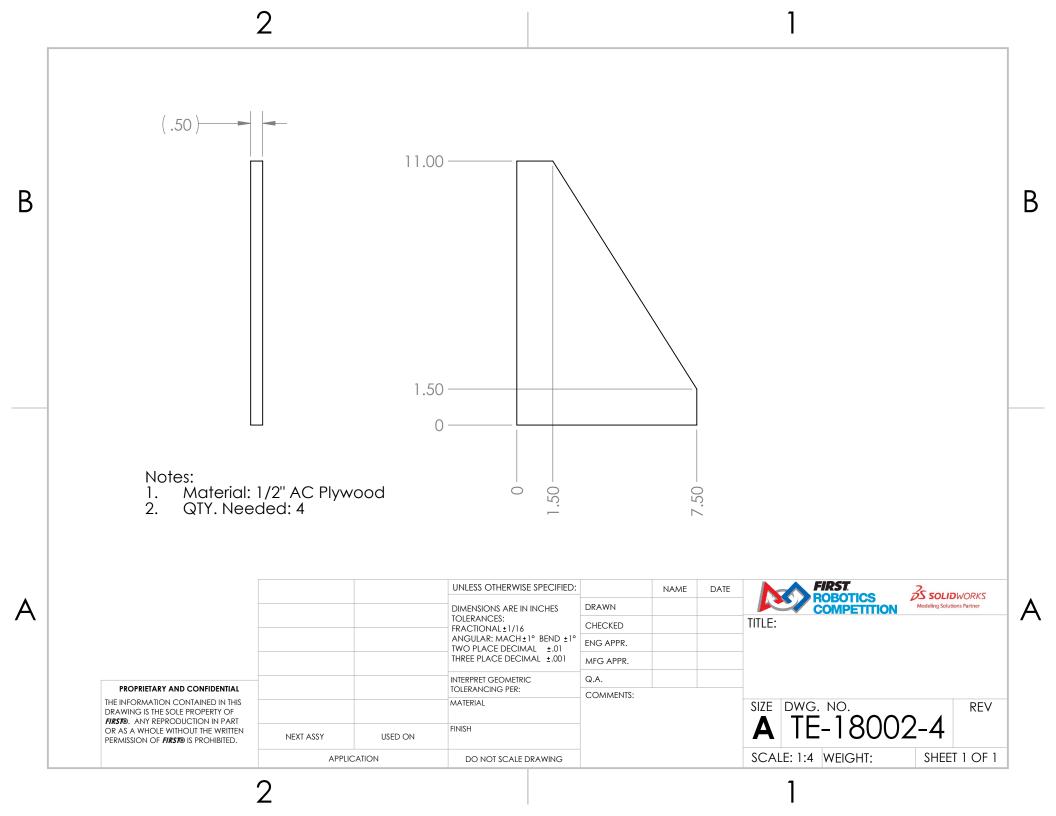
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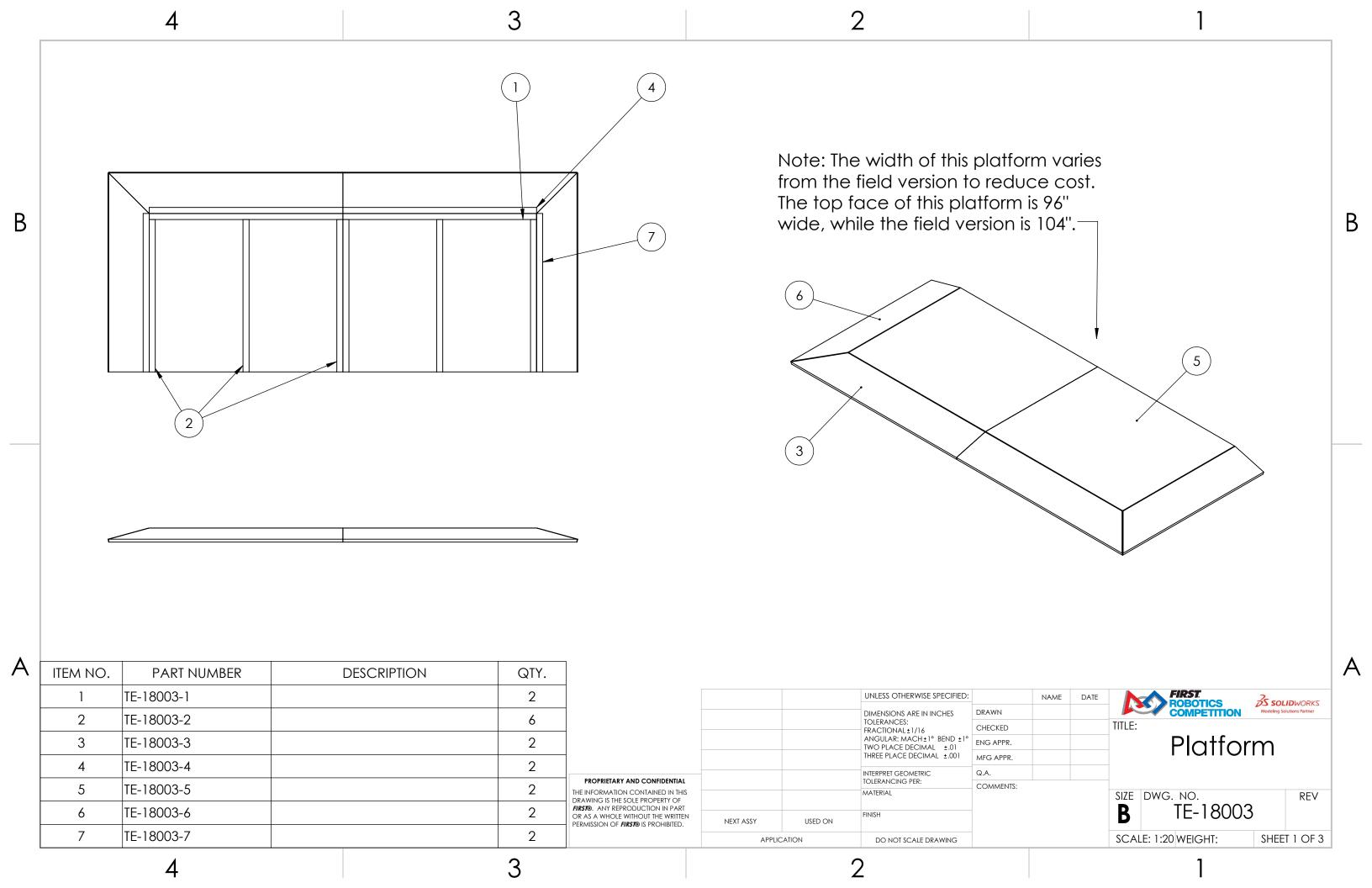
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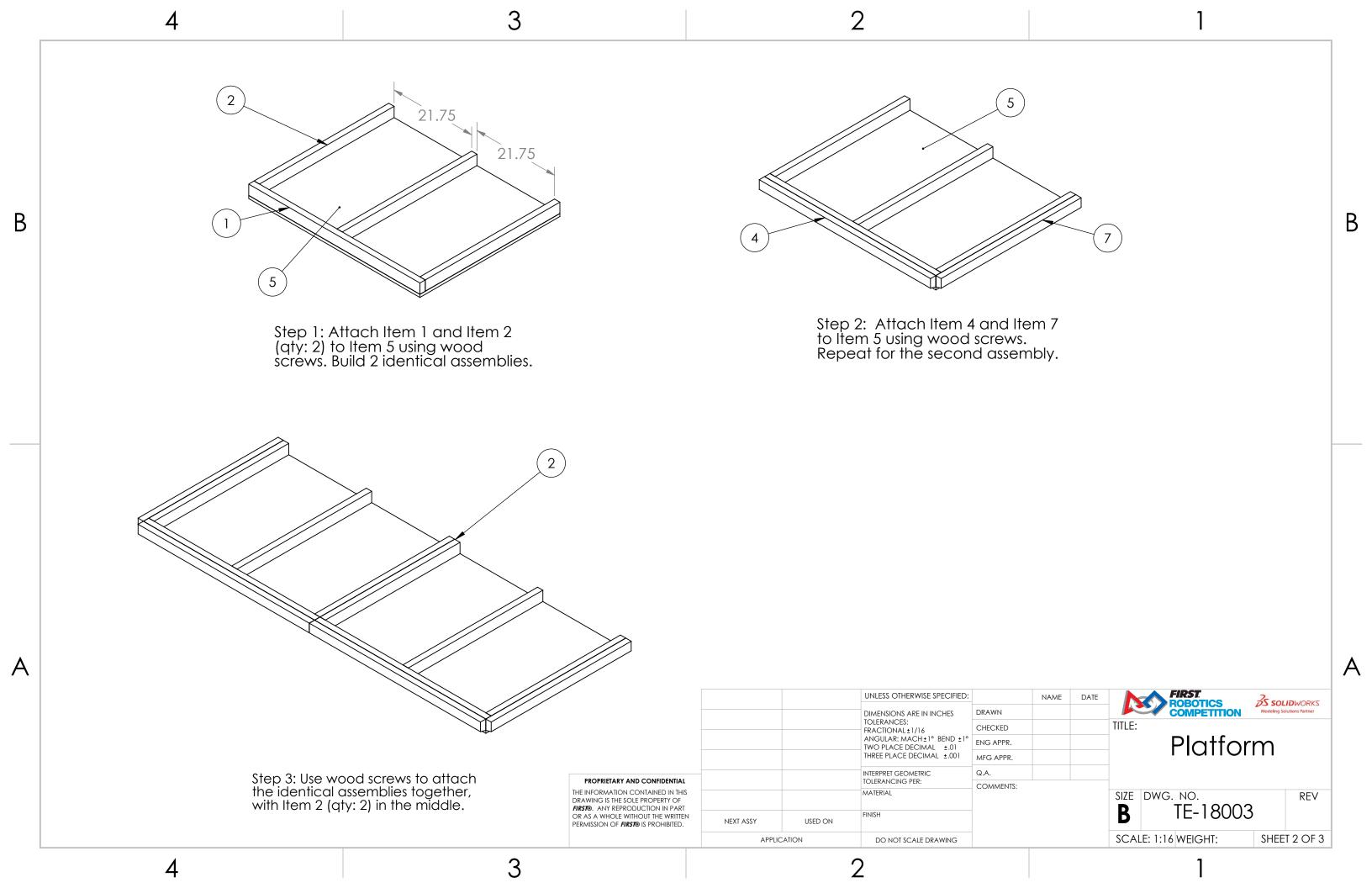


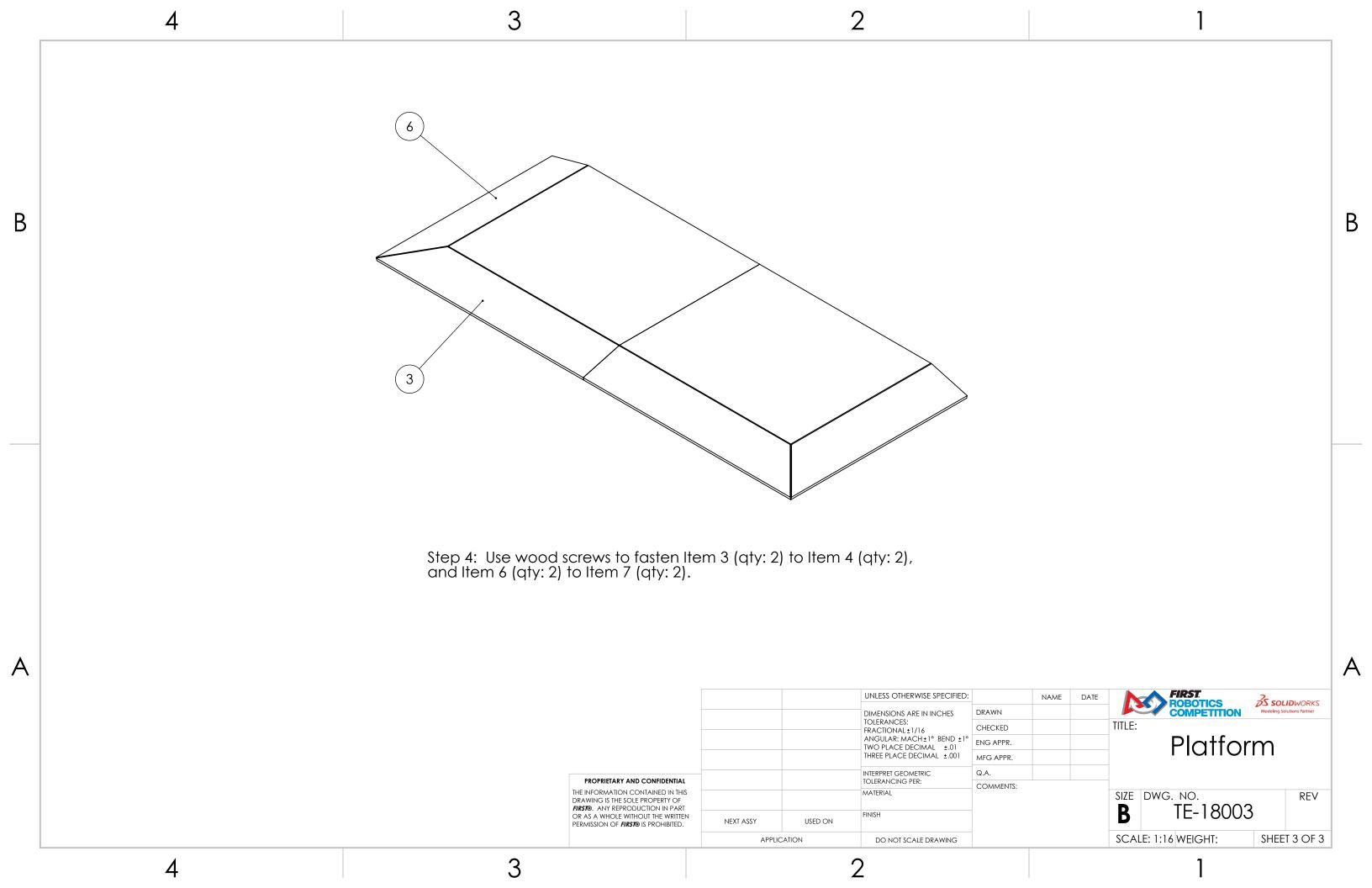


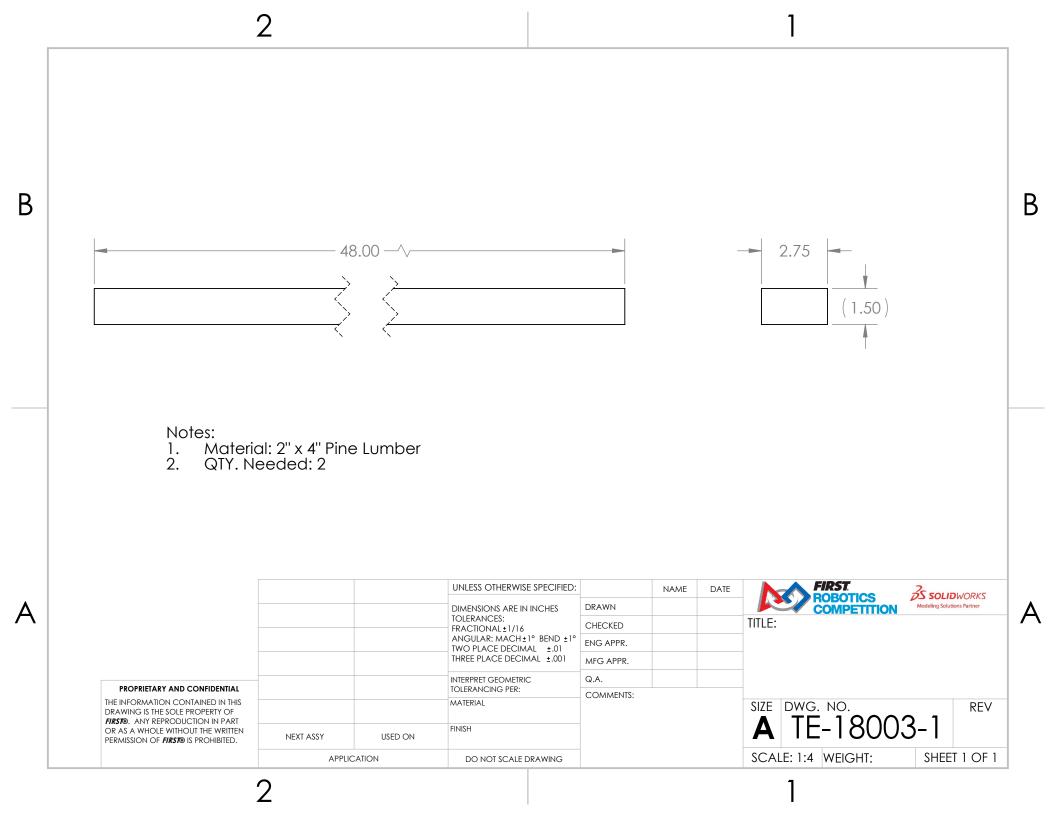


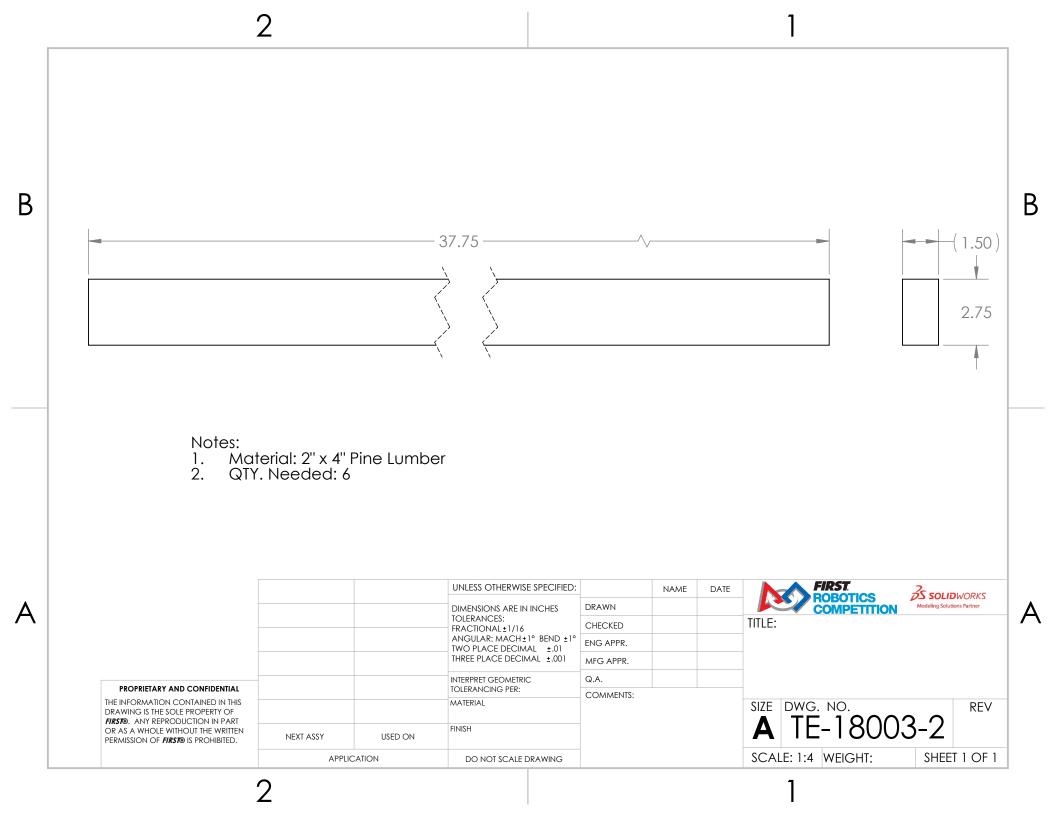


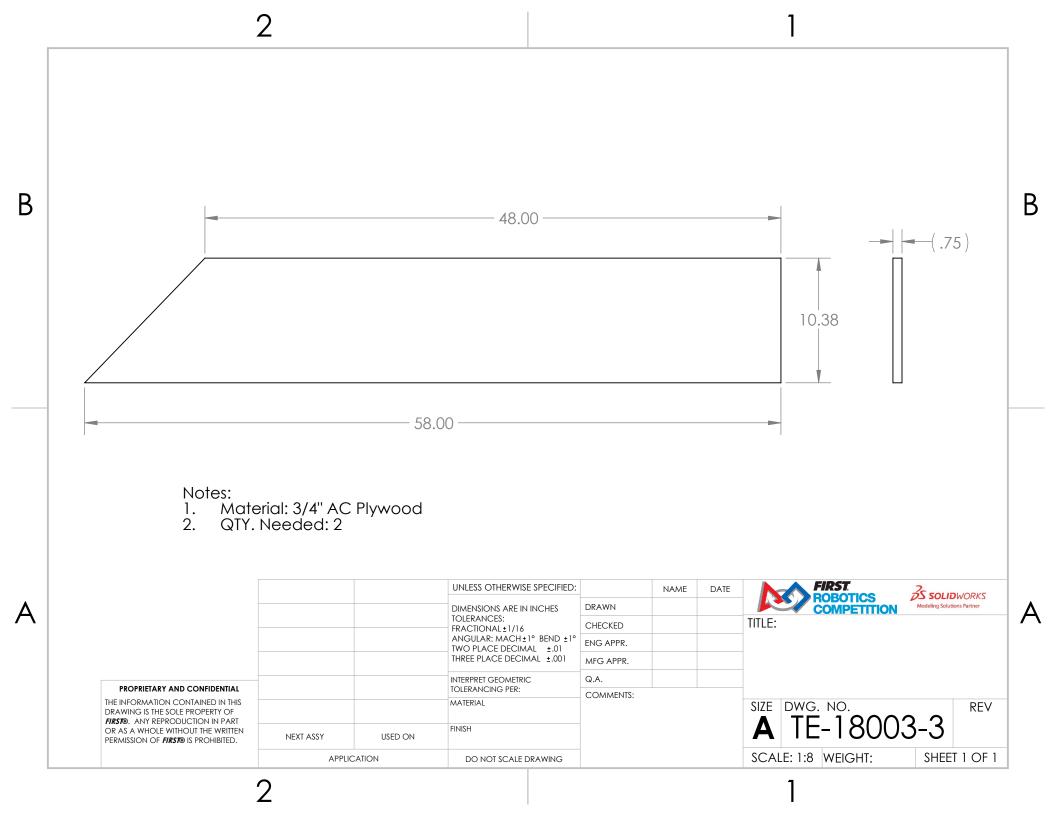


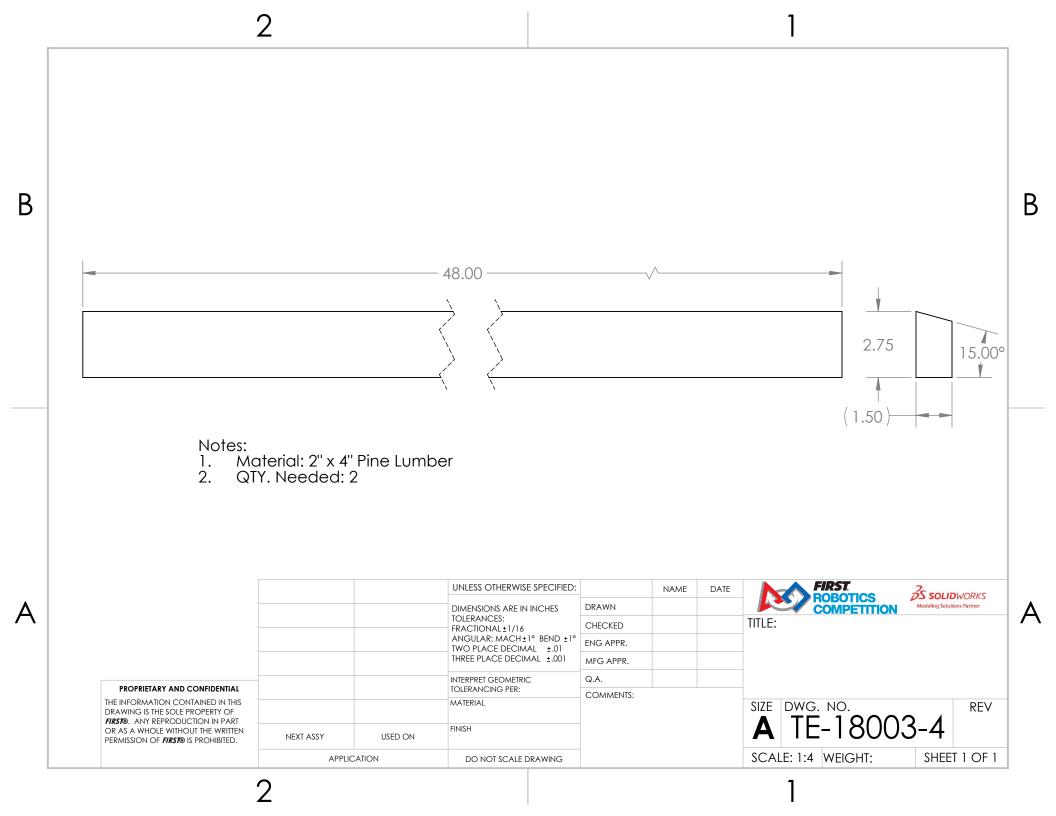


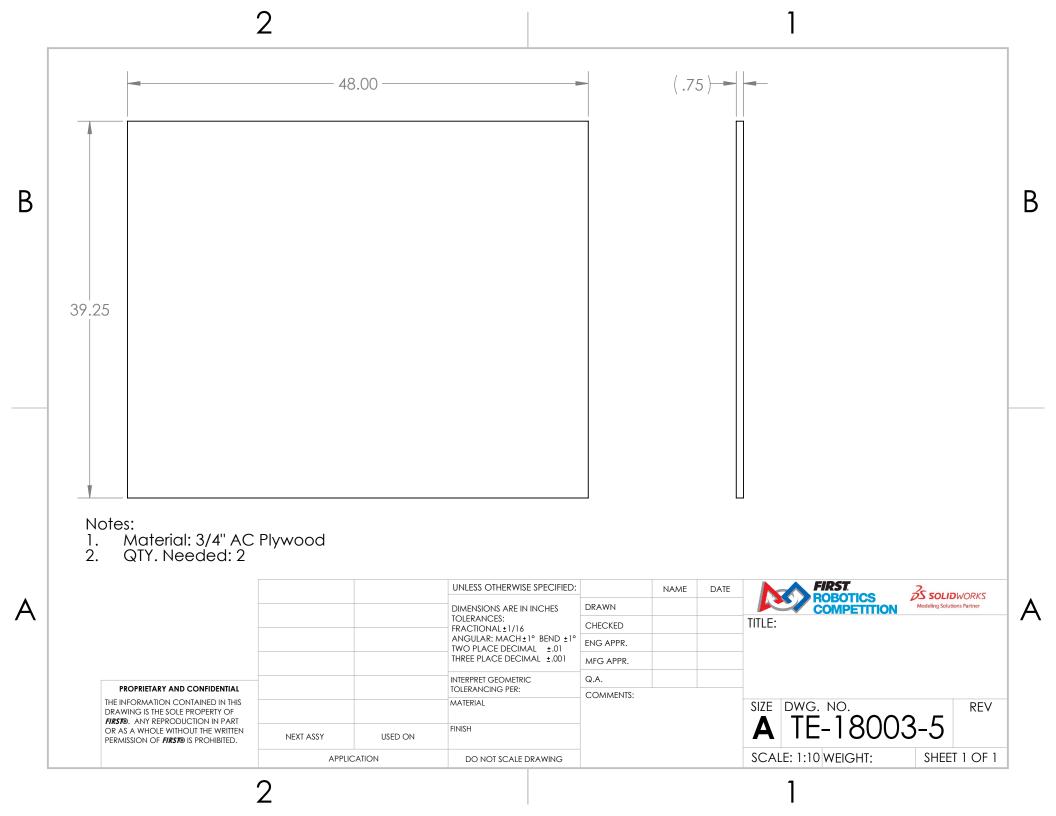


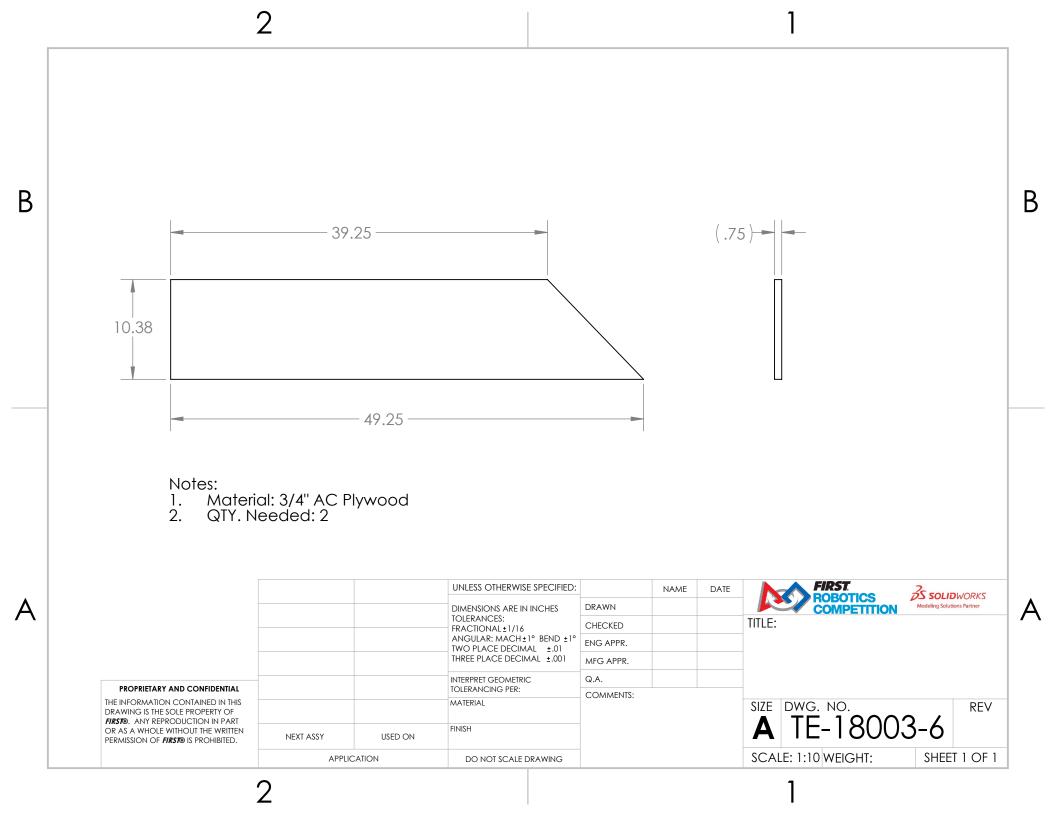


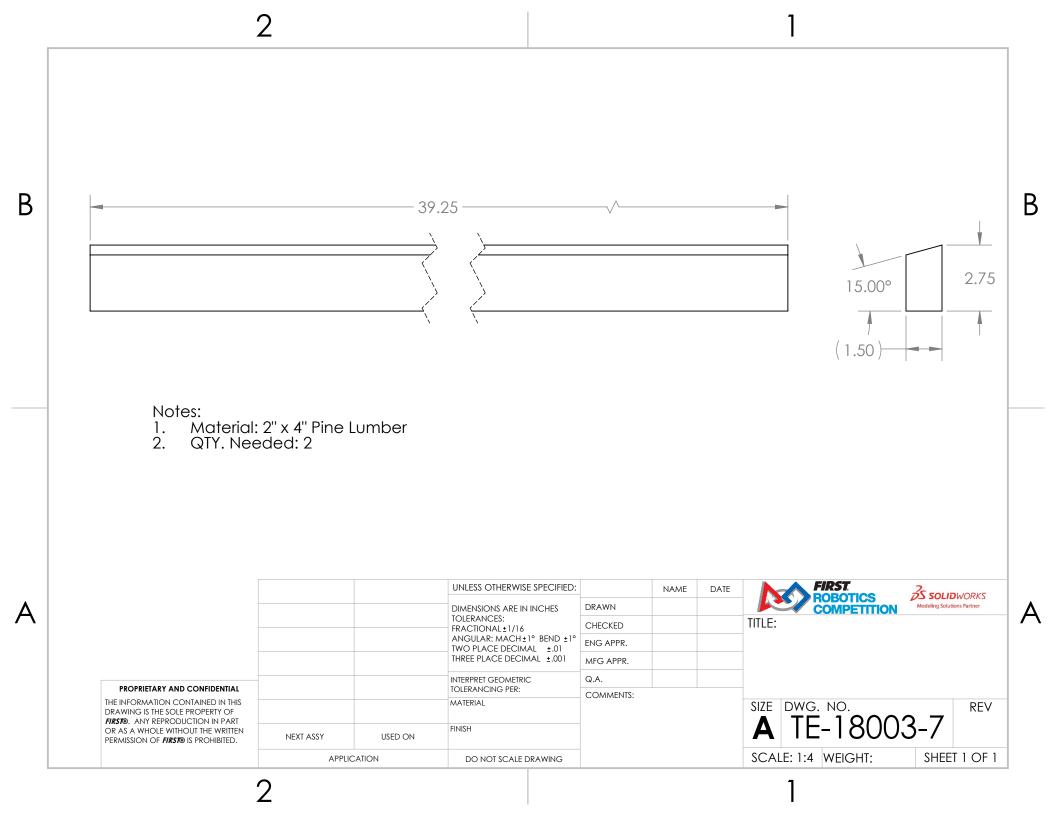


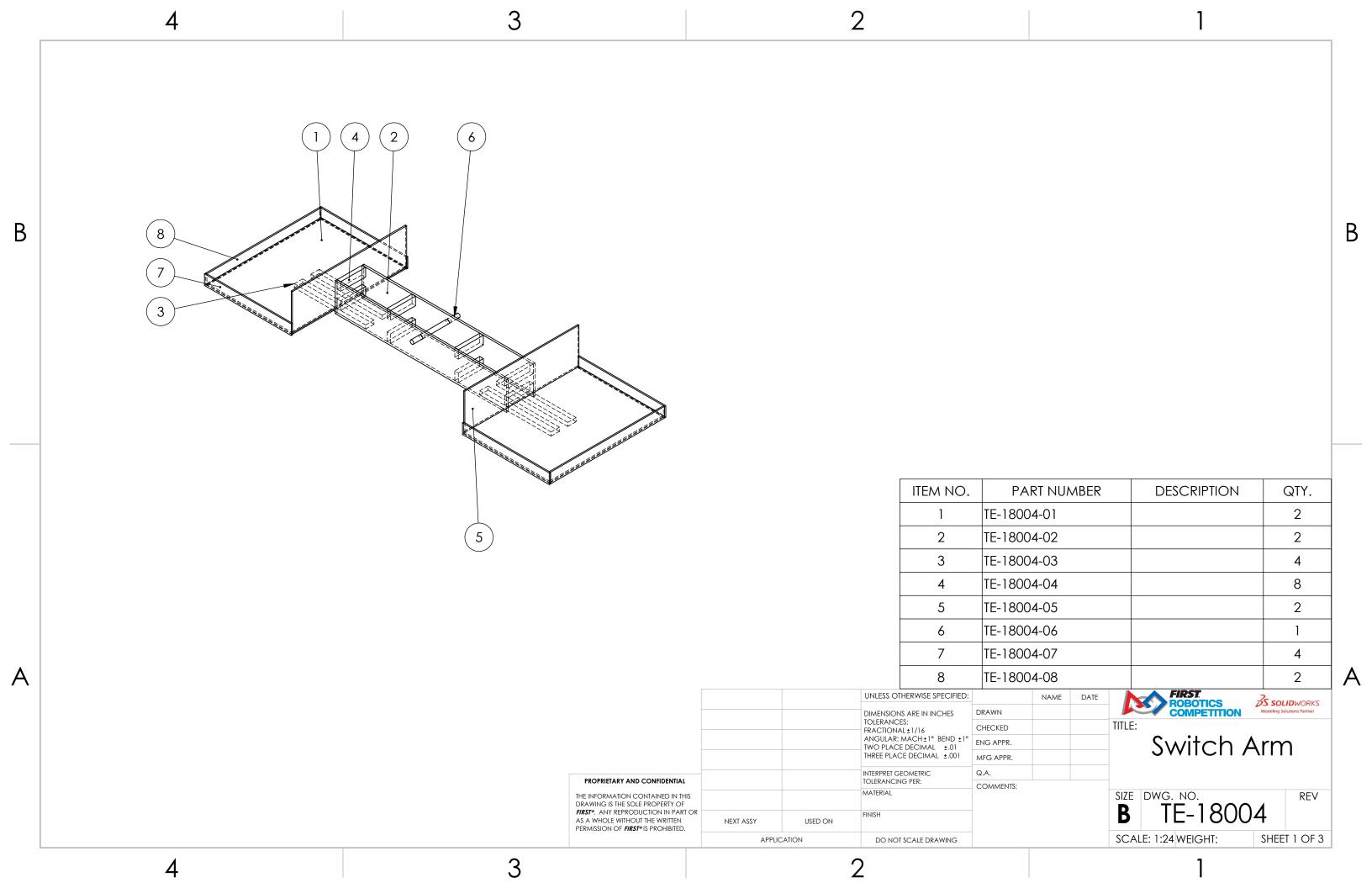


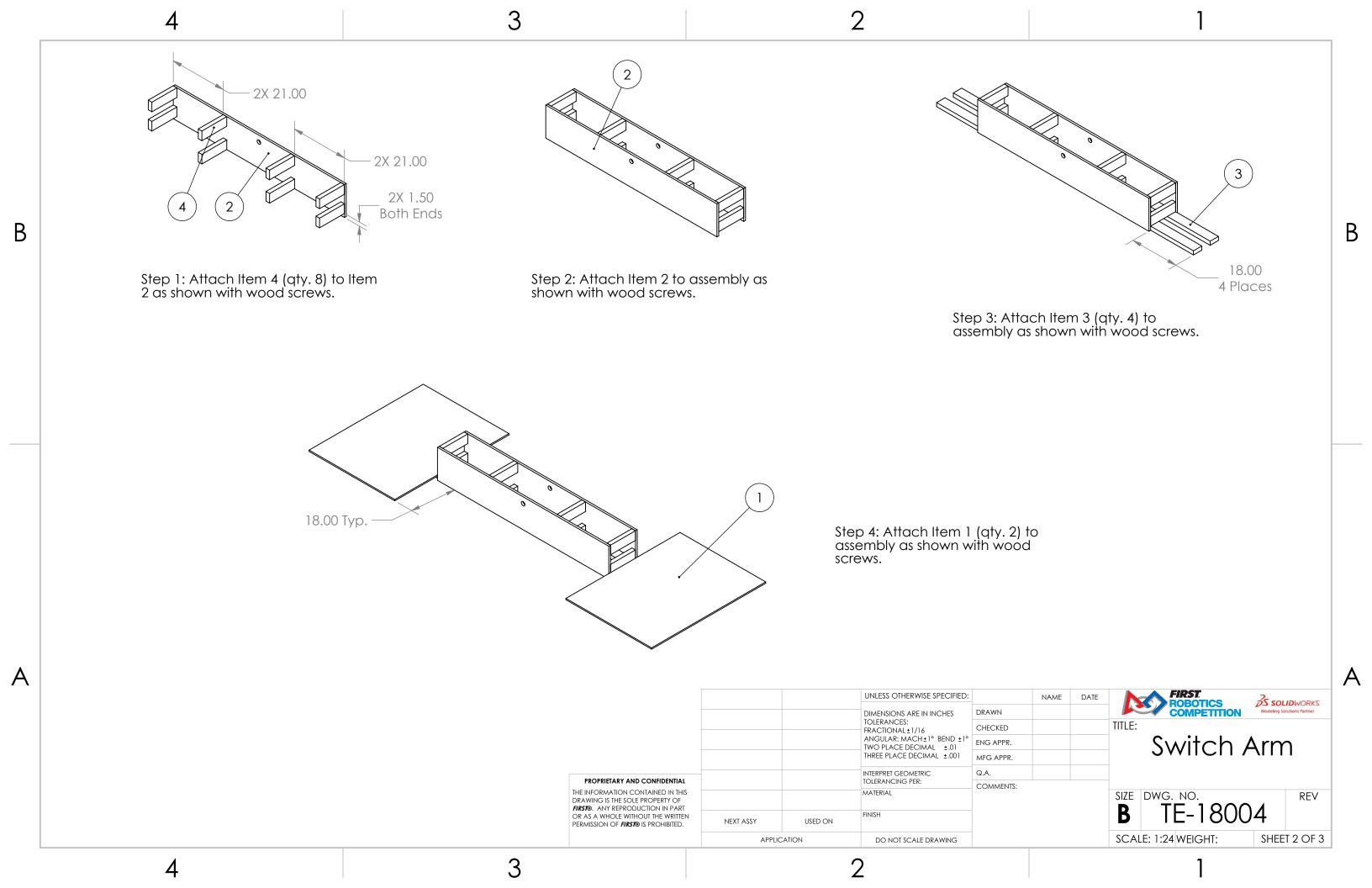


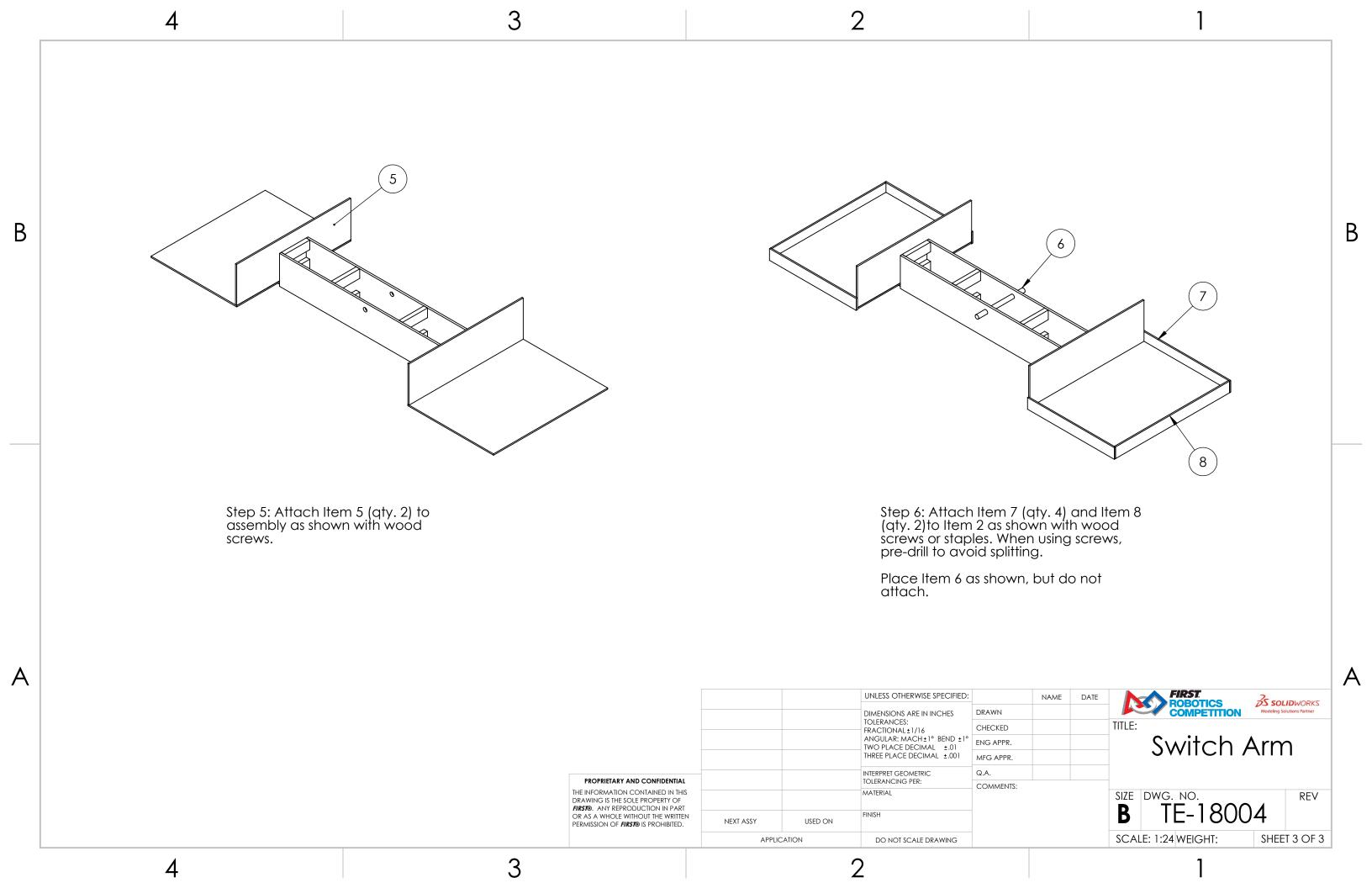


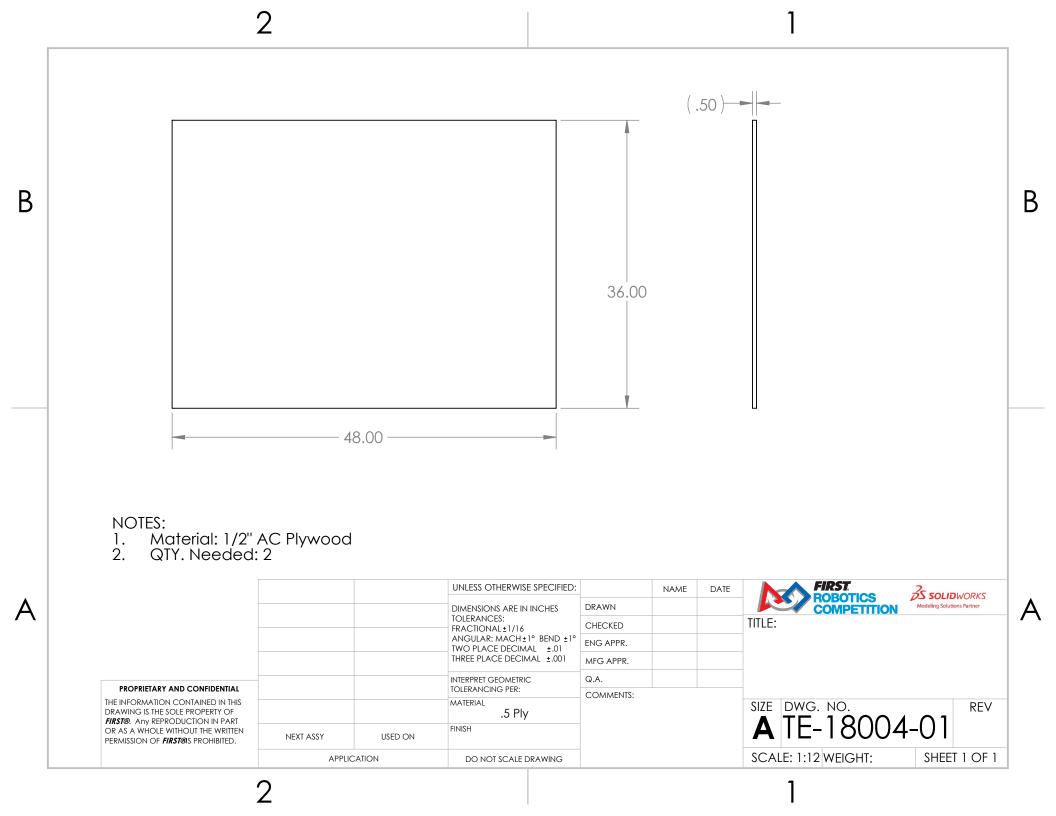


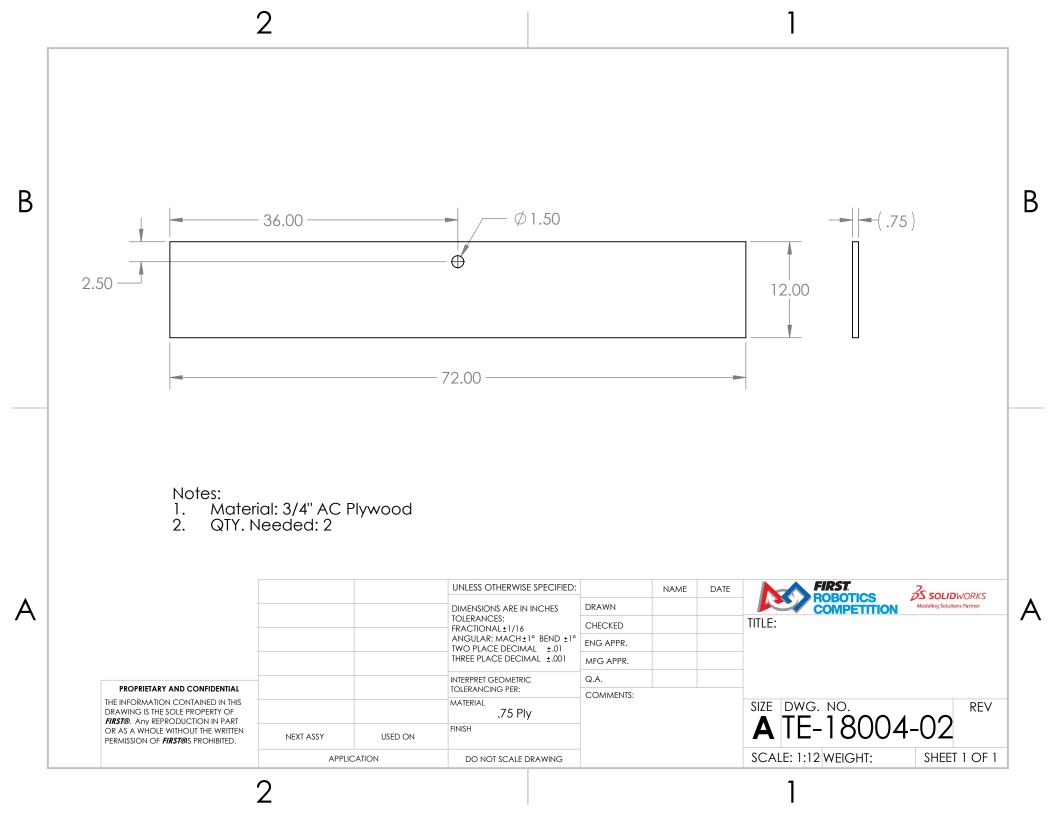


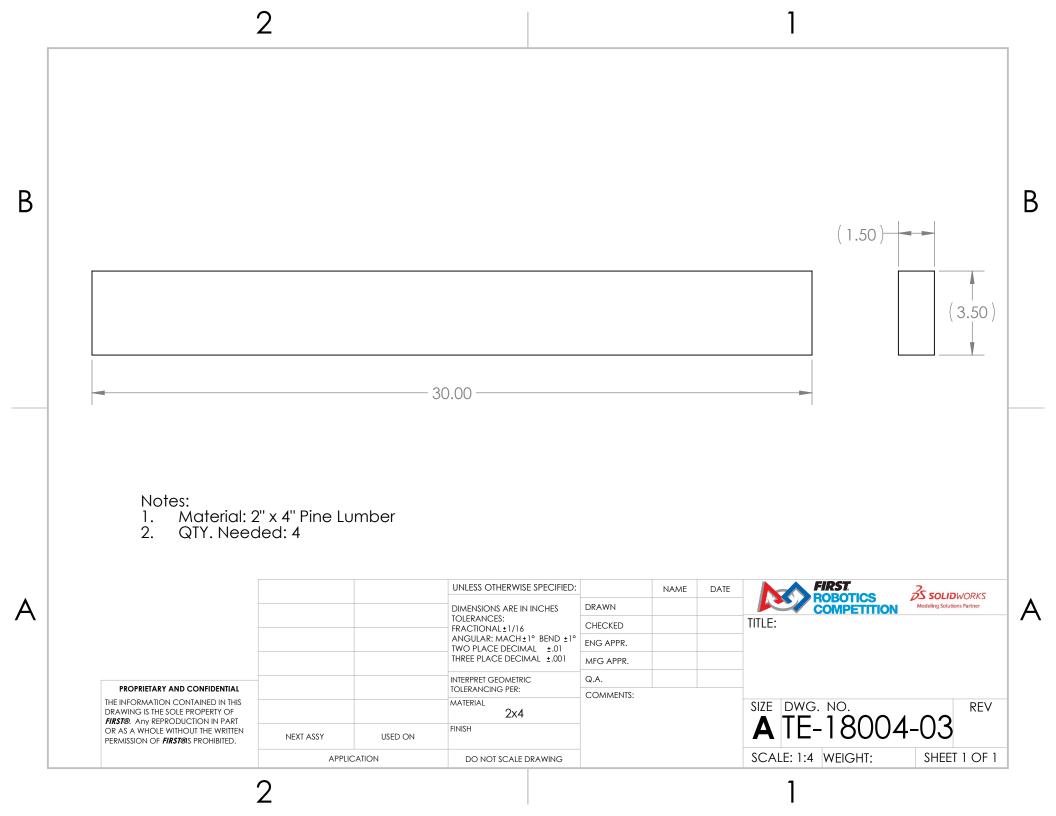




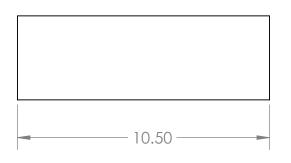


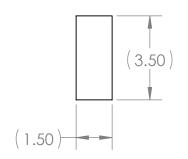






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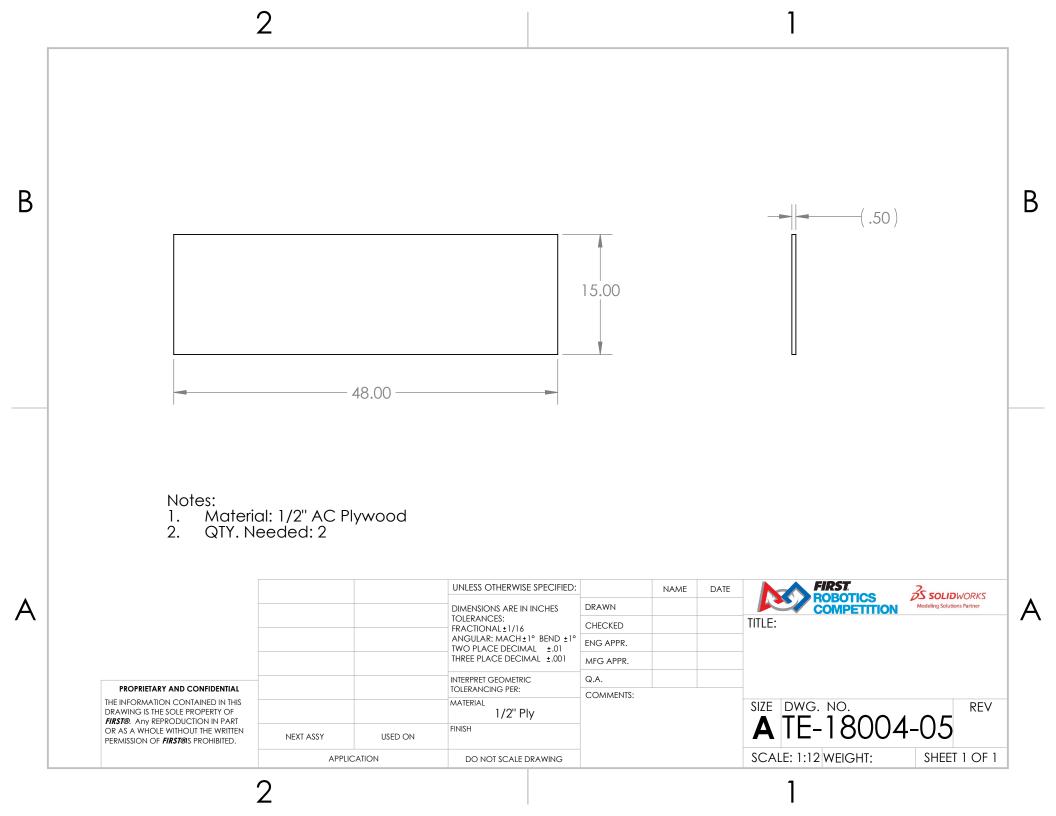


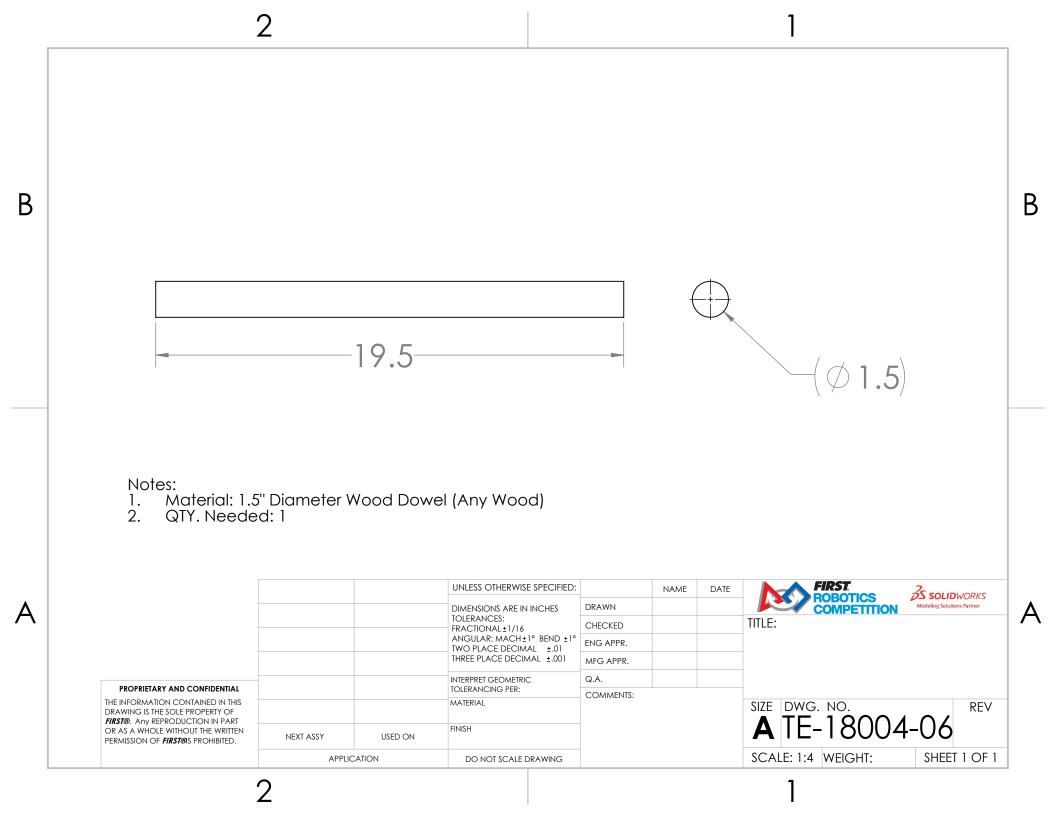


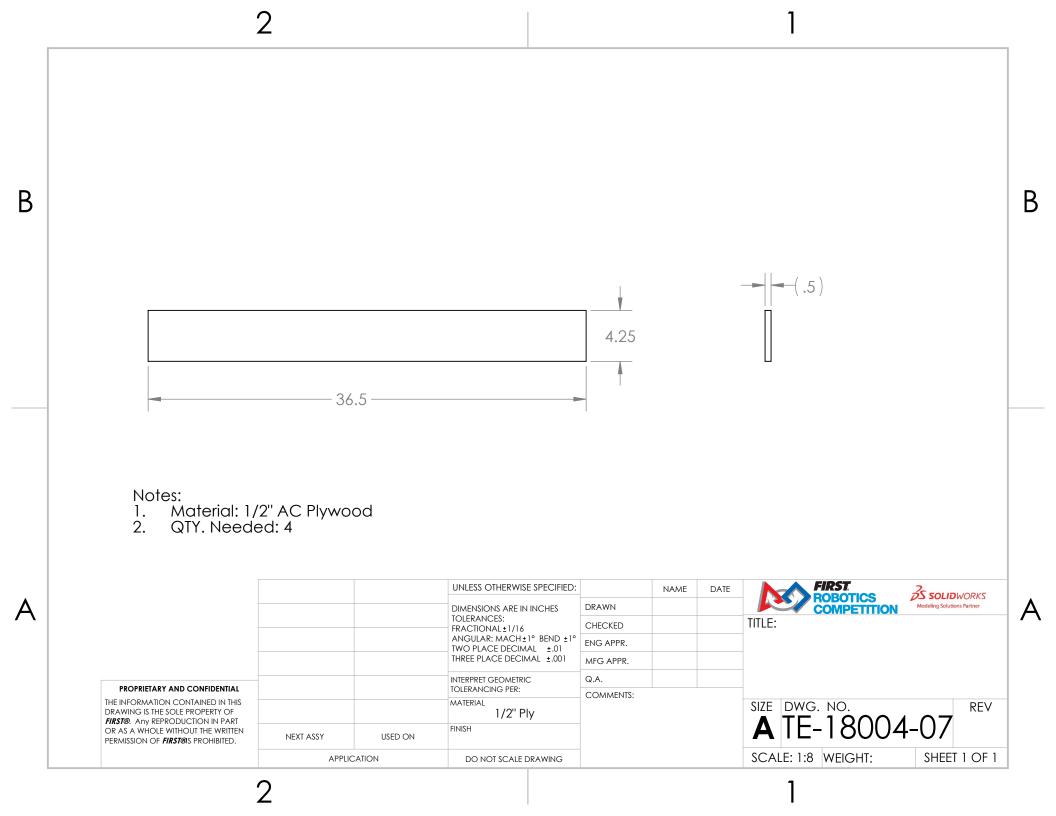
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1. Material: 2" x 4" Pine Lumber
2. QTY. Needed: 8

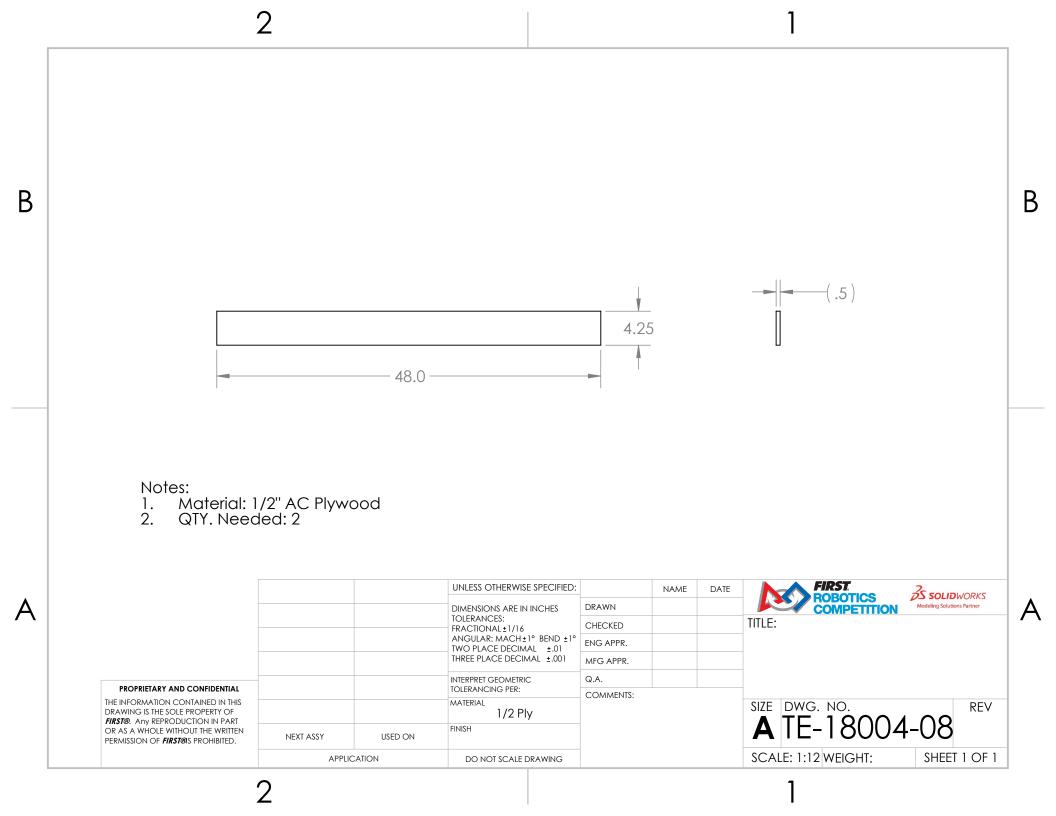
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			TOLERANCES: FRACTIONAL±1/16 ANGULAR: MACH±1° BEND±1° TWO PLACE DECIMAL±.01	DRAWN			COMPETITION Modeling Solutions Partner		
				CHECKED			TITLE:		
				ENG APPR.					
				MFG APPR.					
DRODDIETA DV. AND. CONFIDENTIAL			INTERPRET GEOMETRIC	Q.A.					
PROPRIETARY AND CONFIDENTIAL			TOLERANCING PER: MATERIAL 2x4	COMMENTS:					
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> s prohibited.							SIZE DWG. NO.		
	NEXT ASSY	USED ON	FINISH				A TE-18004-04		
	APPLICATION		DO NOT SCALE DRAWING				SCALE: 1:4 WEIGHT: SHEET 1 OF 1		

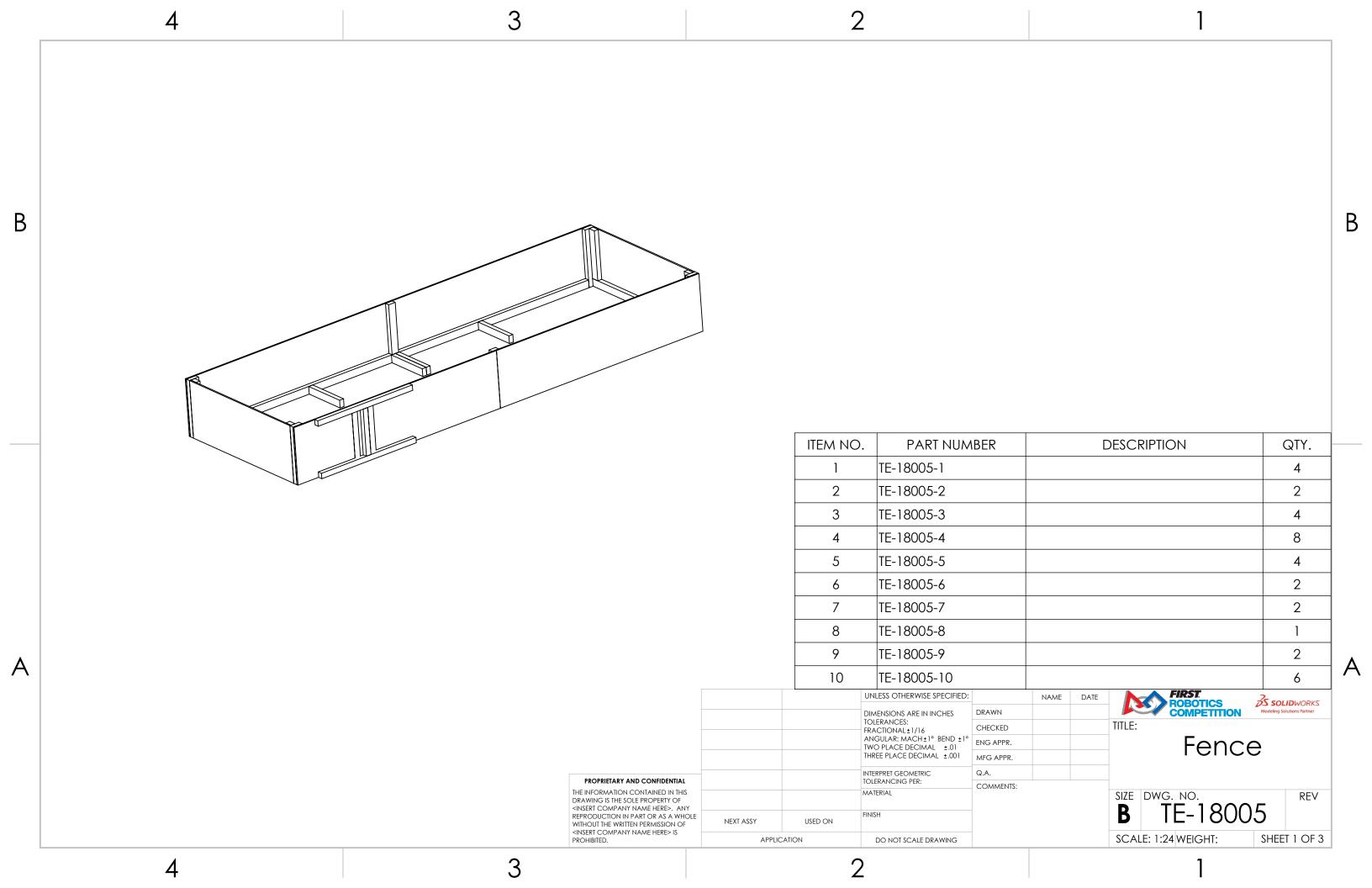
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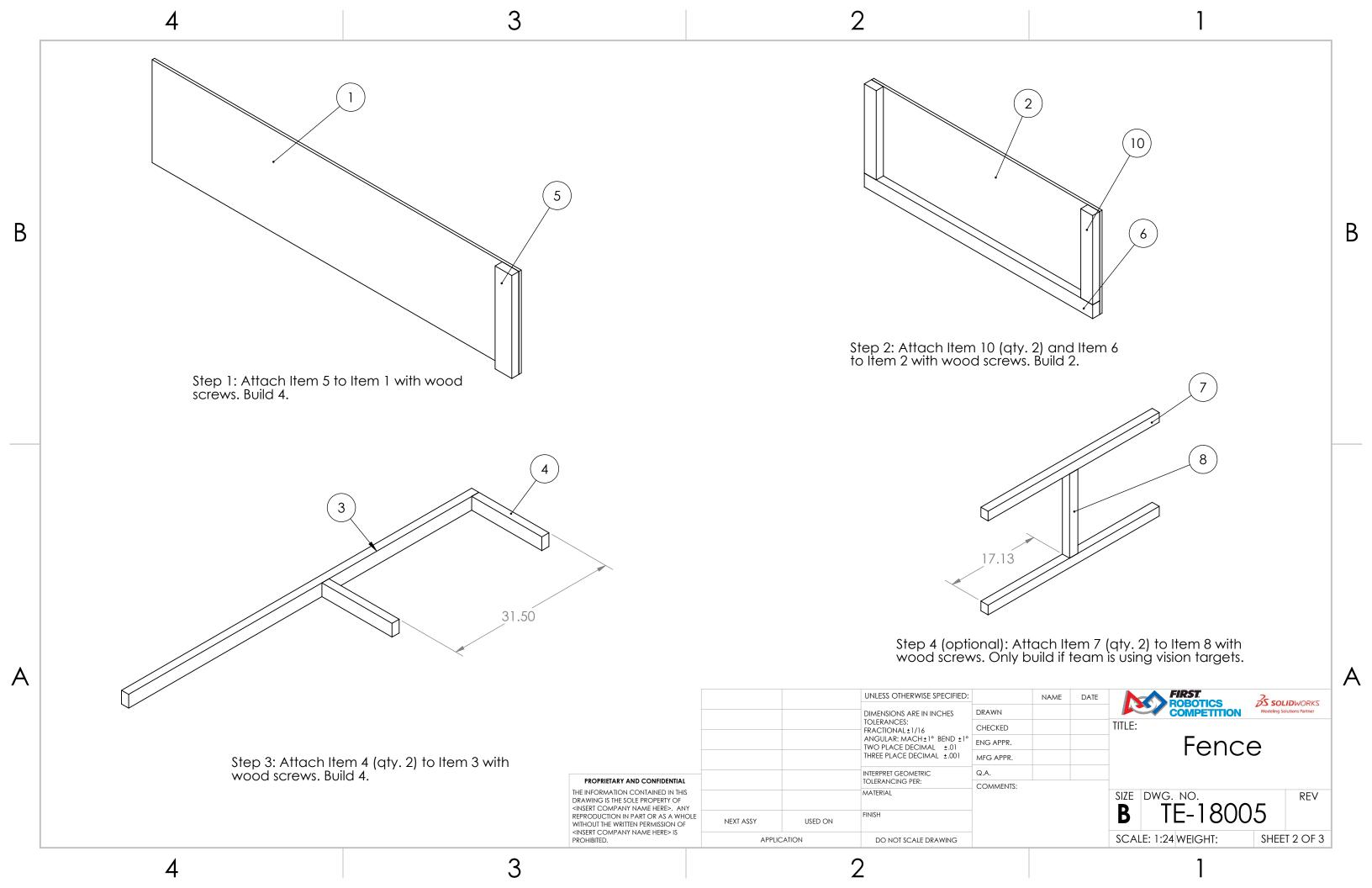


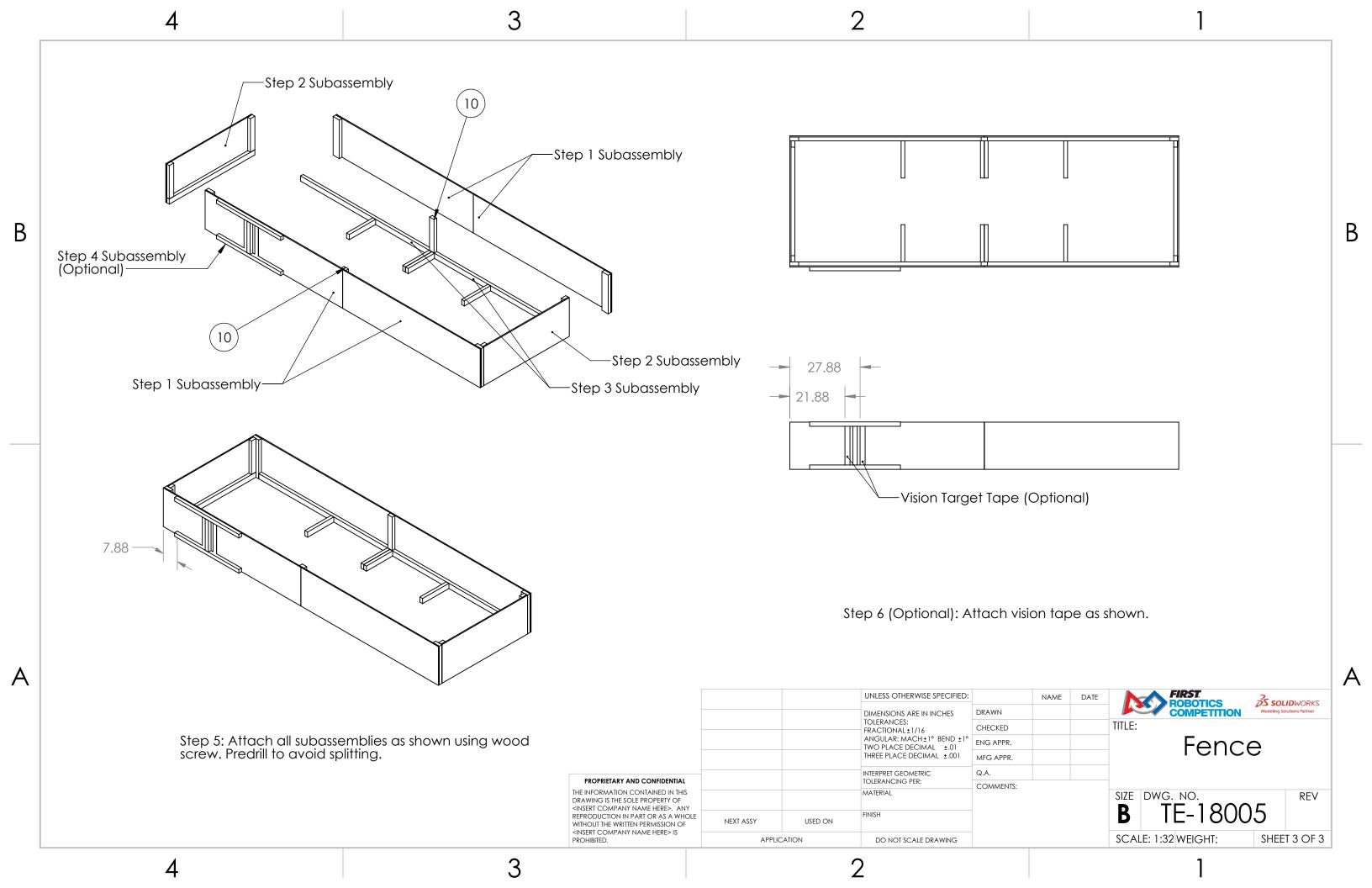


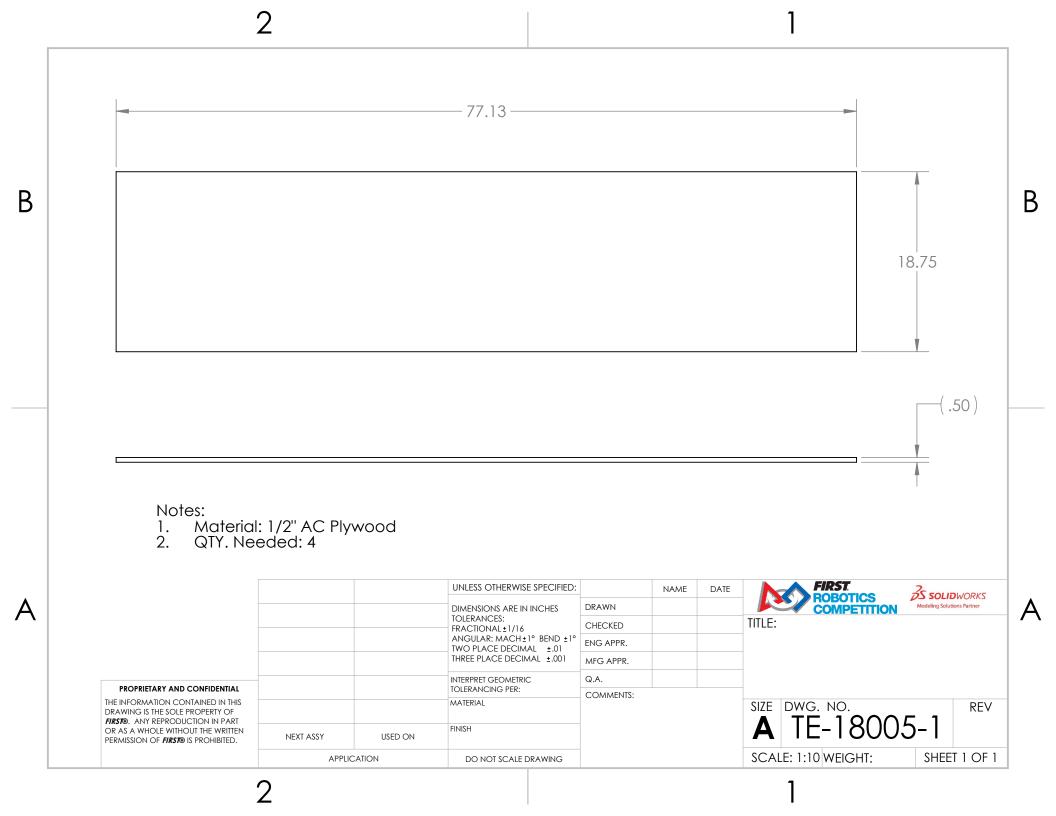


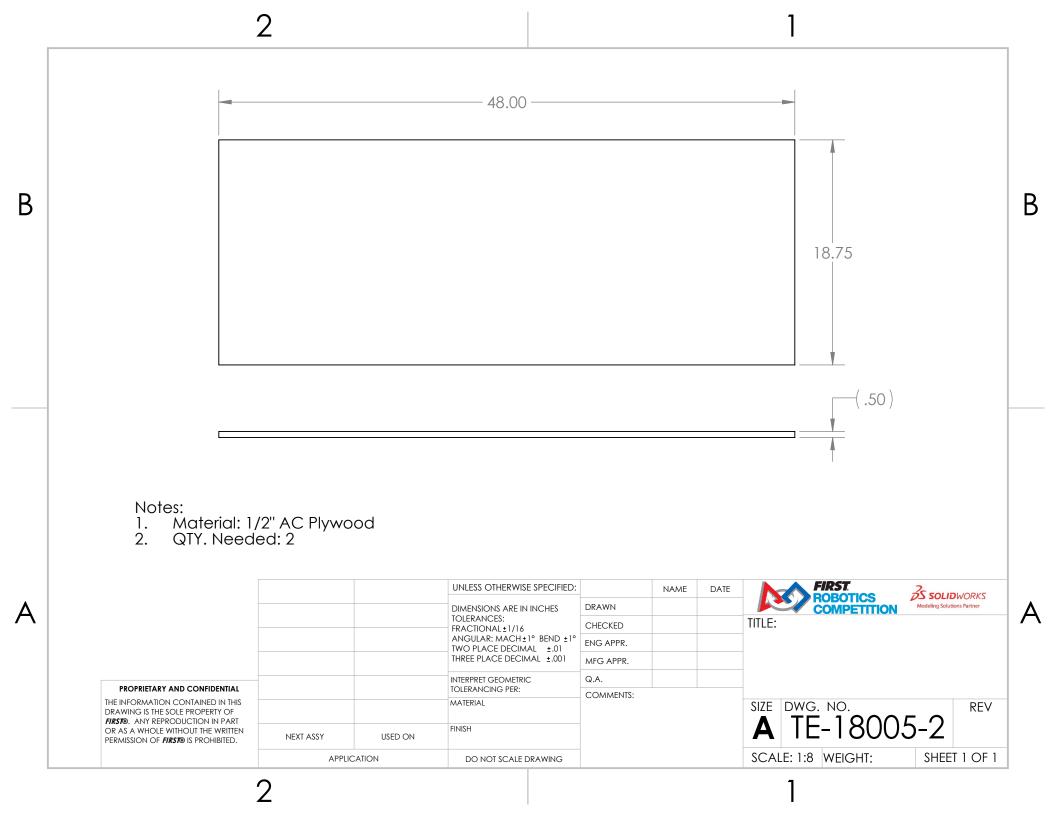


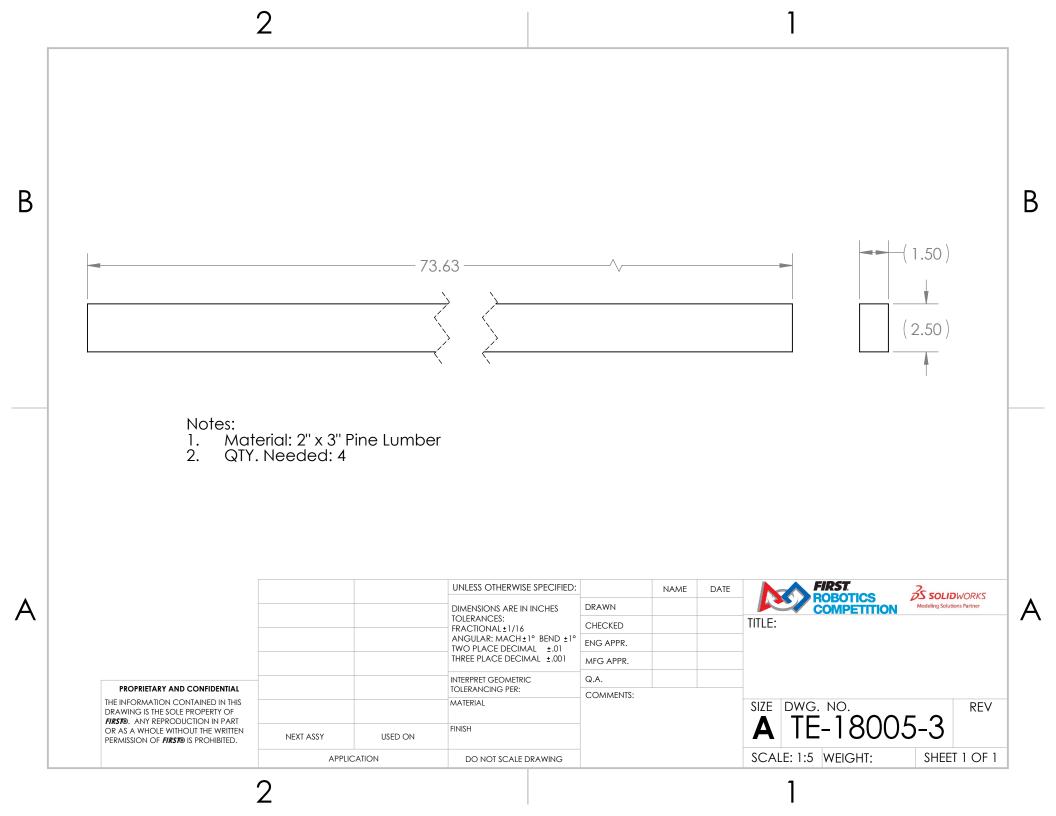


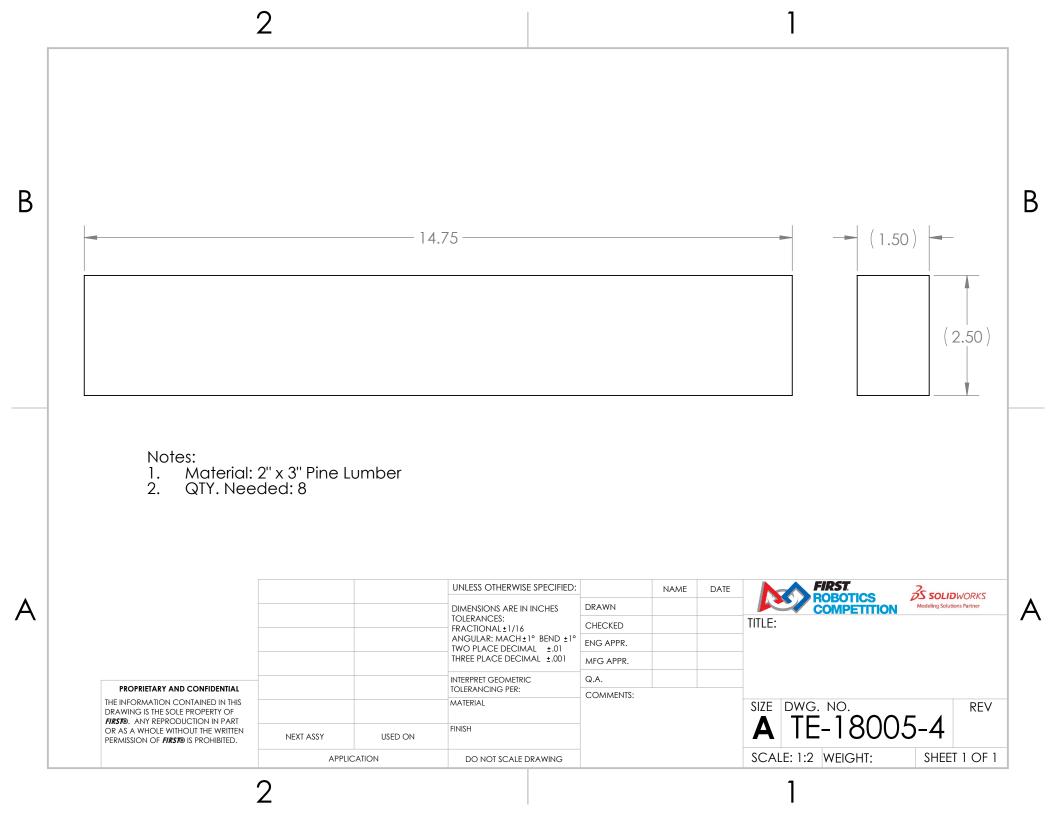


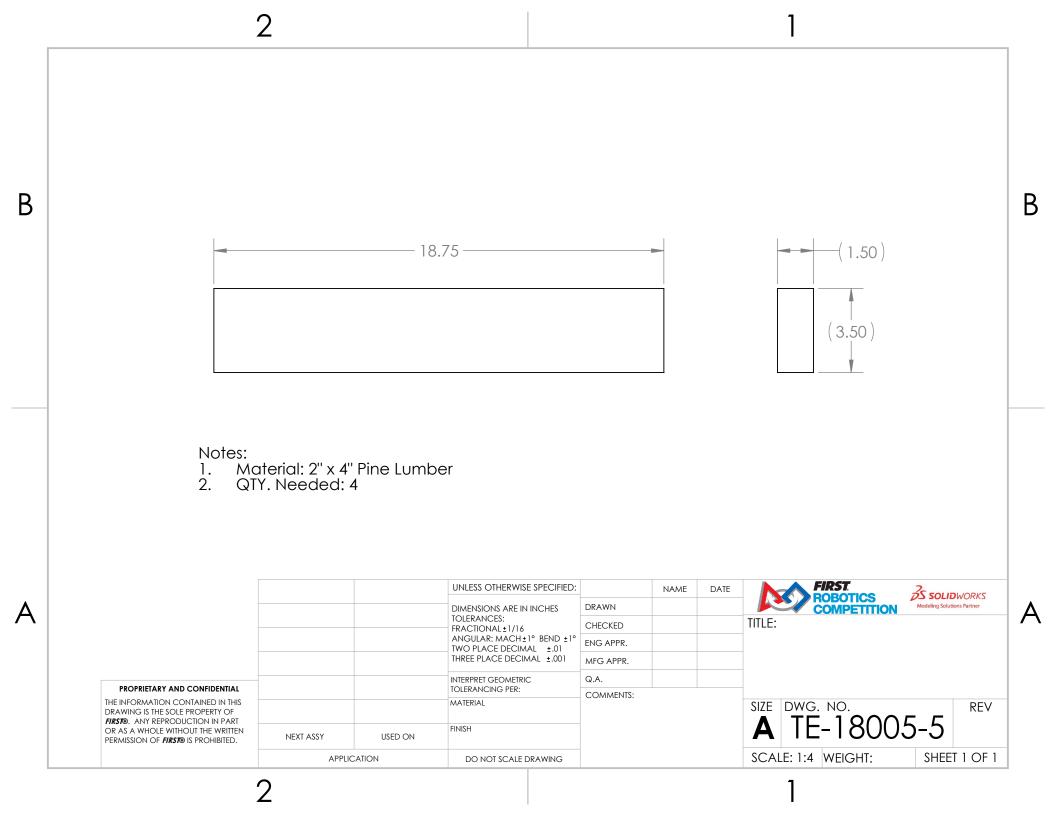


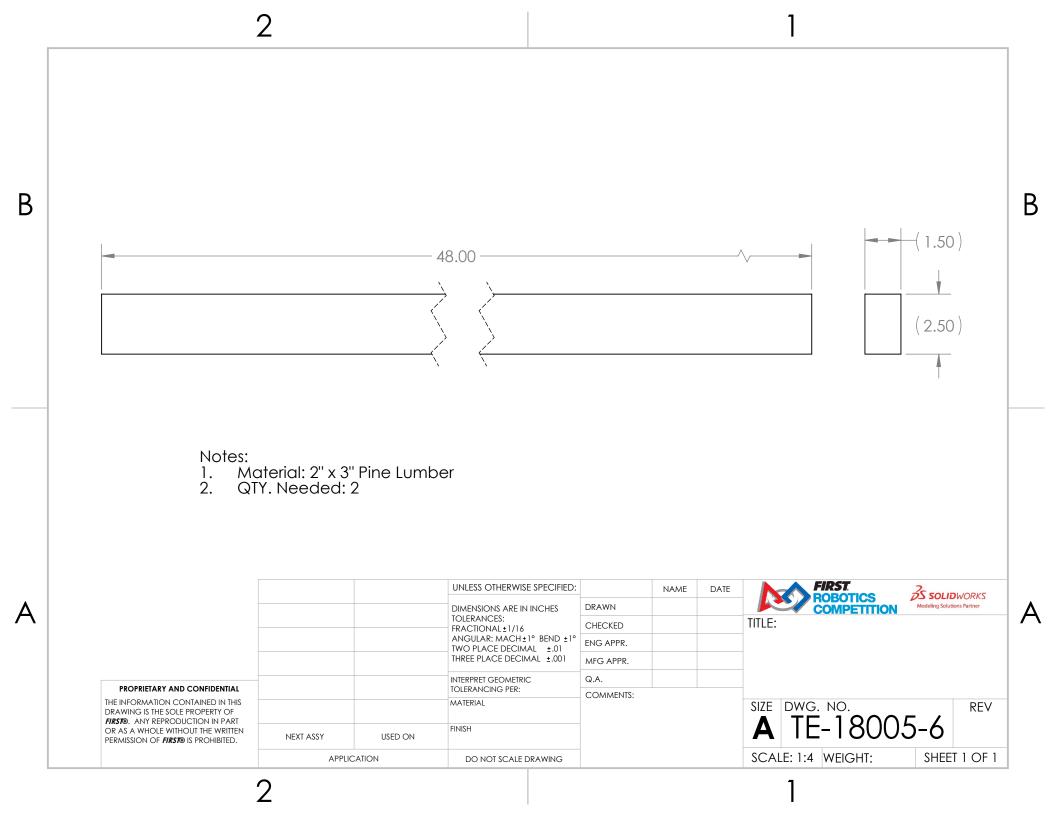












DO NOT SCALE DRAWING

NEXT ASSY

USED ON

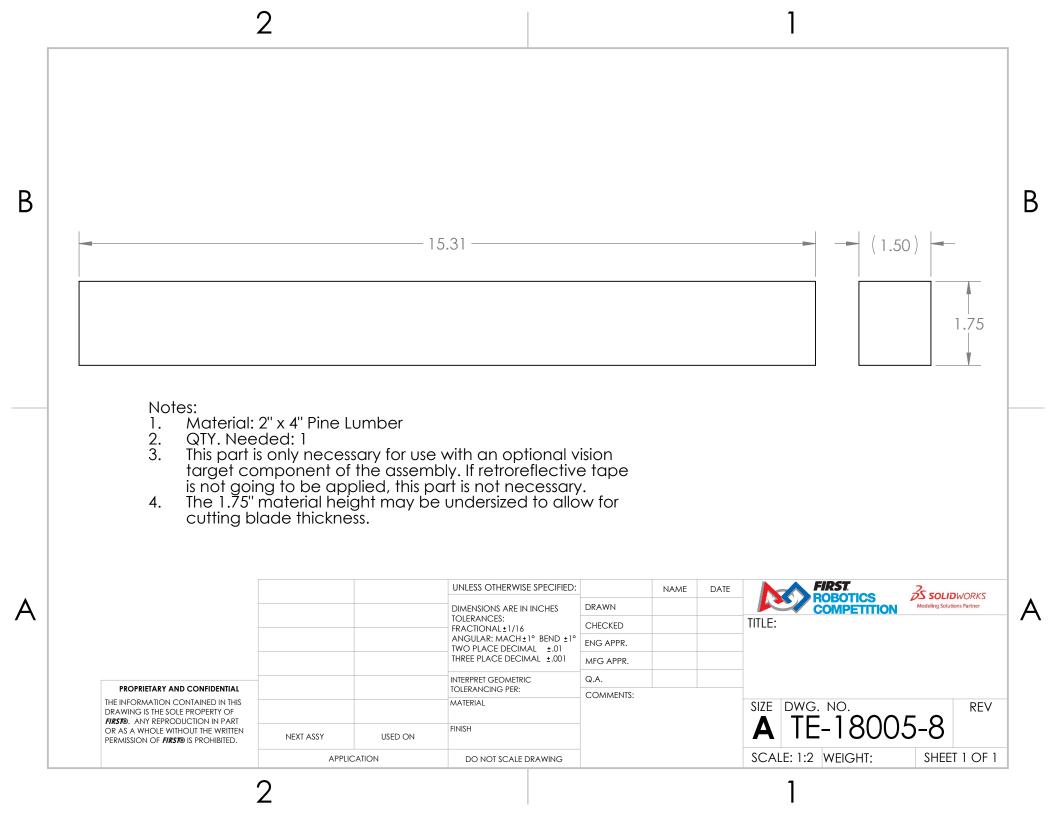
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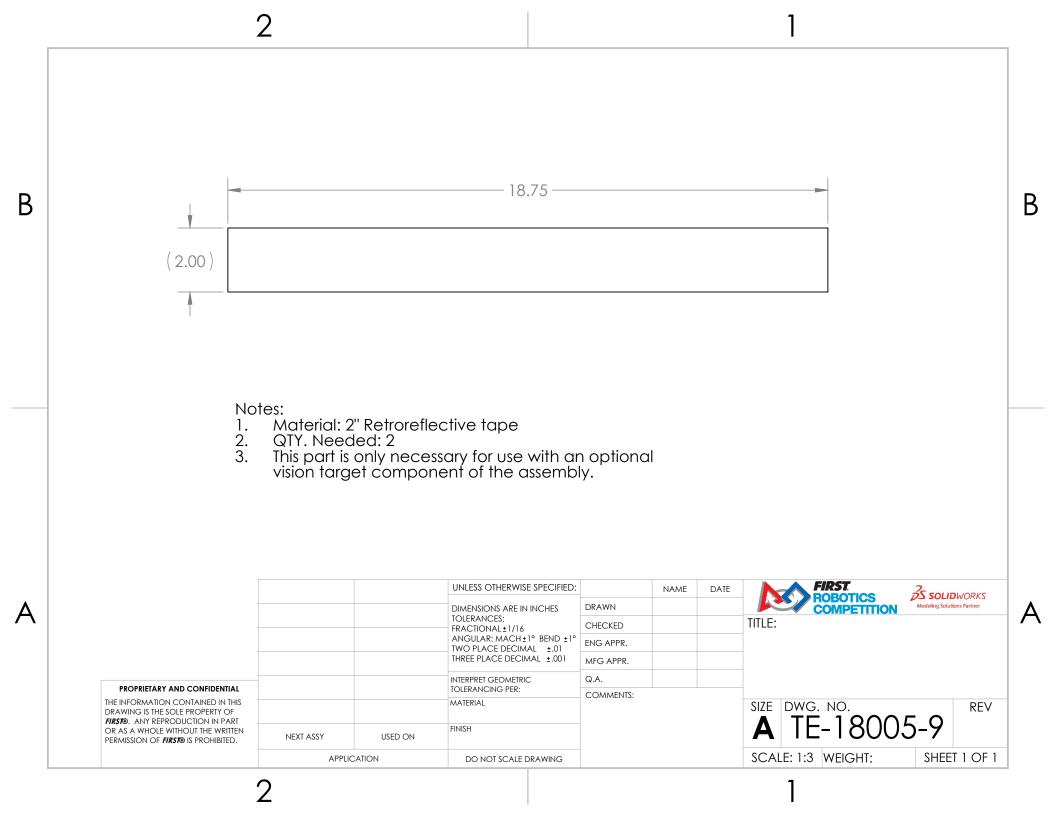
OR AS A WHOLE WITHOUT THE WRITTEN

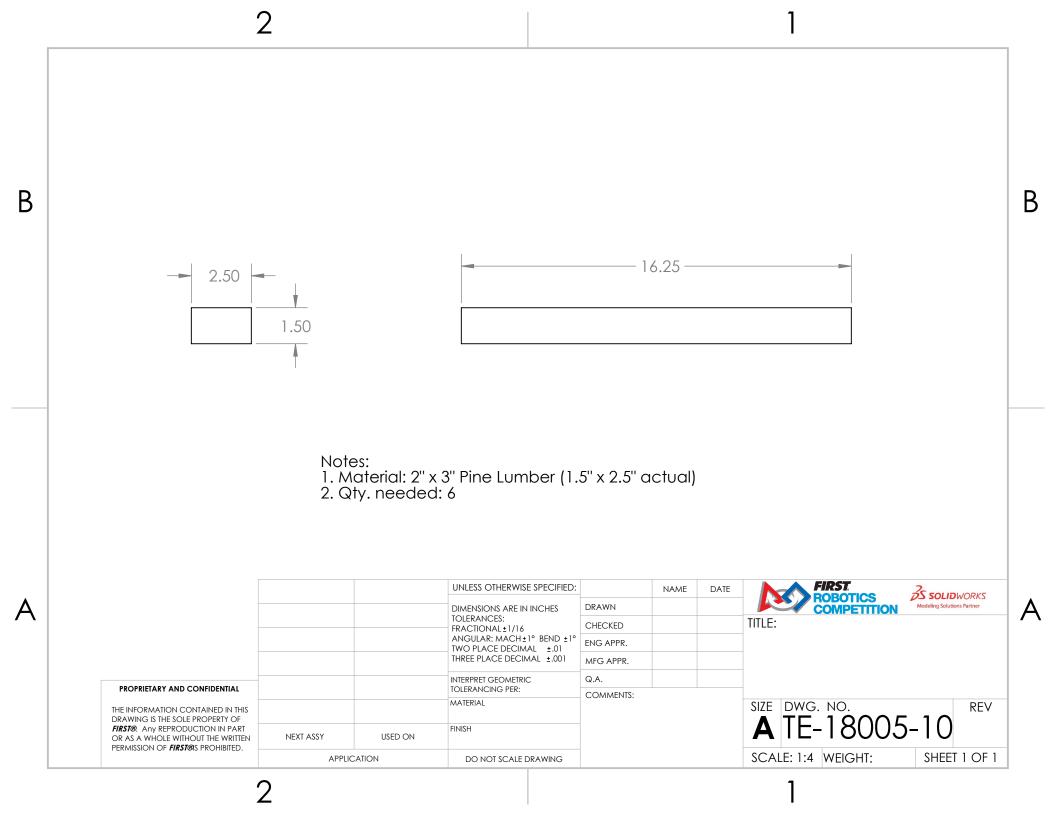
PERMISSION OF FIRST® IS PROHIBITED.

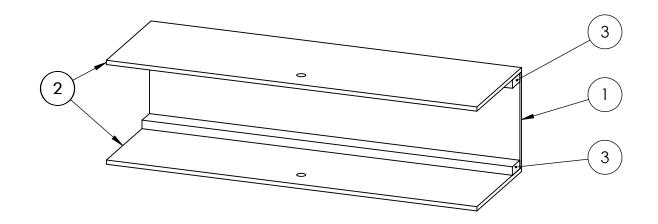
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SHEET 1 OF 1









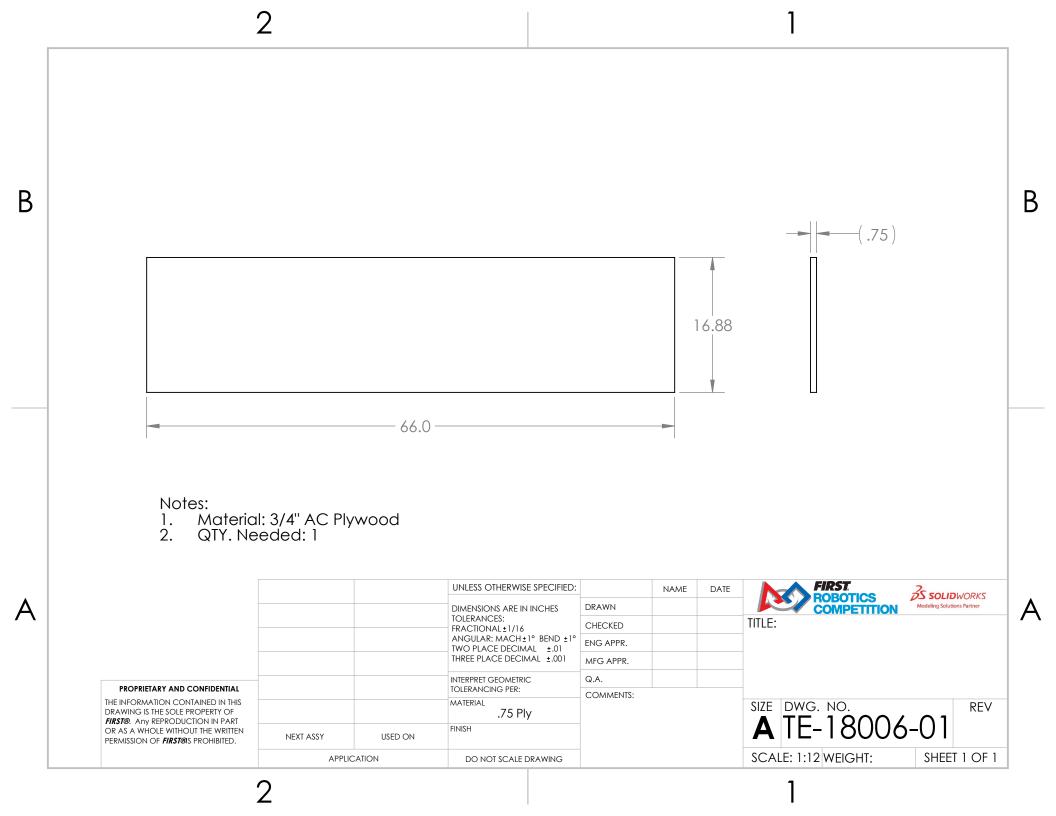
Align parts as shown and secure with wood screws or staples.

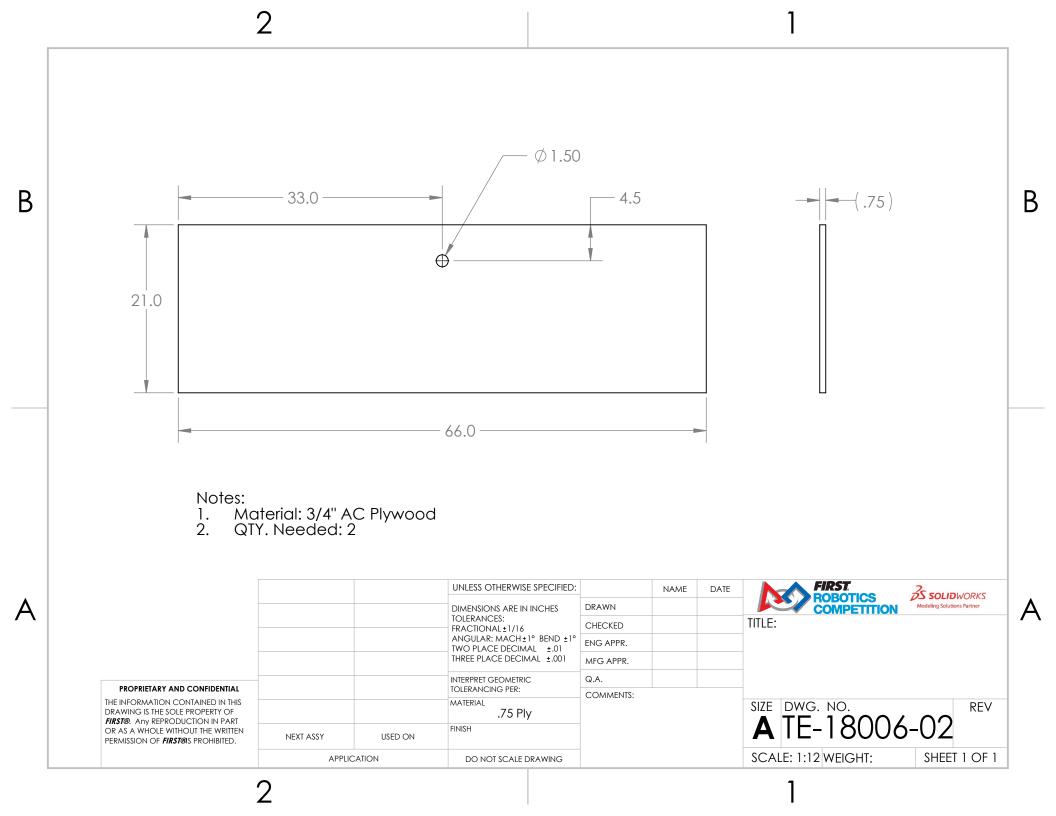
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2	TE-18006-02		2
3	TE-18006-03		2

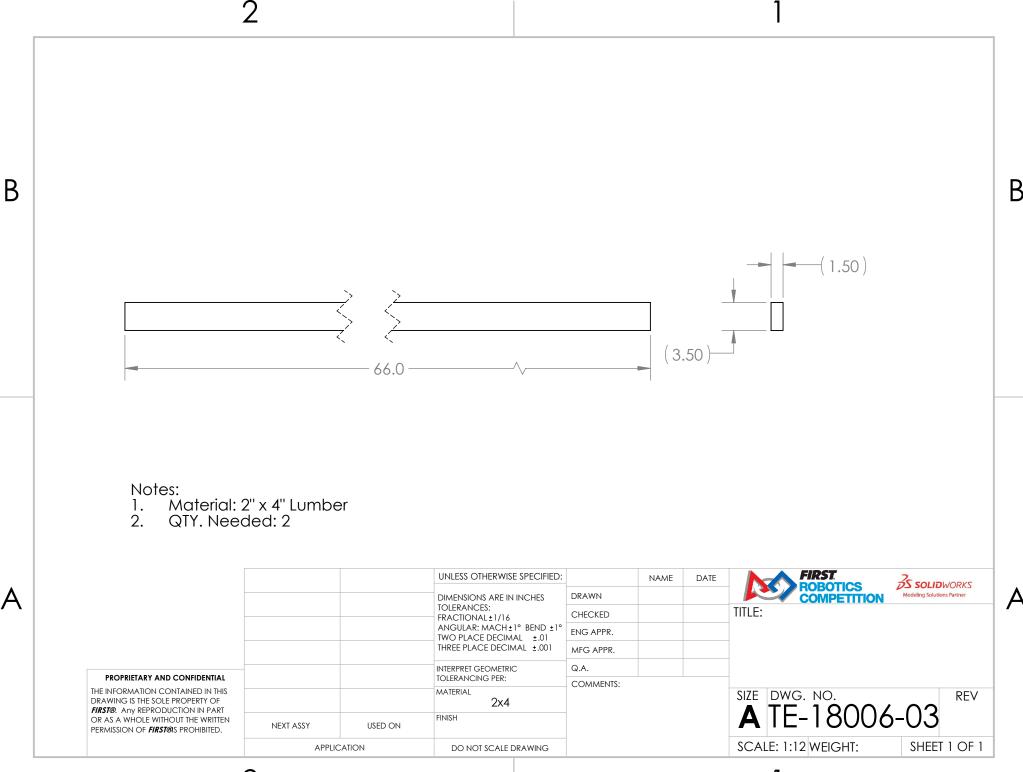
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				UNLESS OTHERWISE SPECIFIED:		NAME	DATE	FIRST. ROBOTICS	35 501	ID WORKS		
				DIMENSIONS ARE IN INCHES	DRAWN			COMPETITION	THOUSE THE			
				TOLERANCES: FRACTIONAL±1/16	CHECKED			TITLE:				
				ANGULAR: MACH±1° BEND ±1° TWO PLACE DECIMAL ±.01	ENG APPR			Switch Frame				
				THREE PLACE DECIMAL ±.001	MFG APPR	2.		SVVIICITI	5 WILCH HAITIC			
Г	DRODDISTADY AND CONSIDERITIAL			INTERPRET GEOMETRIC	Q.A.							
	PROPRIETARY AND CONFIDENTIAL			TOLERANCING PER:	COMMEN	TS:						
	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART			MATERIAL				SIZE DWG. NO.	^ /	REV		
OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF FIRST® S PROHIBITED.	NEXT ASSY	USED ON	FINISH				A TE-1800	<i>J</i> 6				
		APPLI	CATION	DO NOT SCALE DRAWING				SCALE: 1:16 WEIGHT:	SHE	ET 1 OF 1		

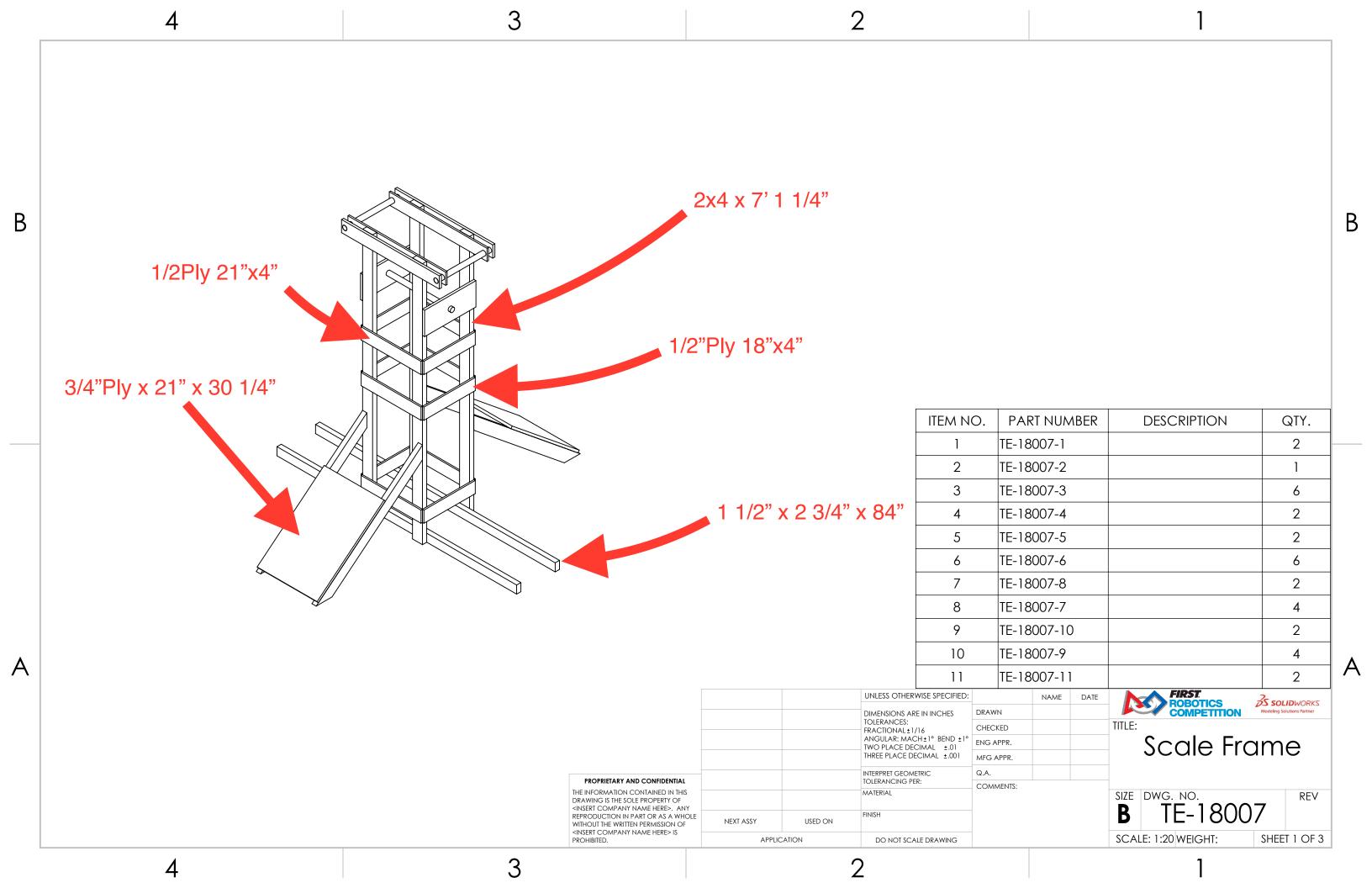
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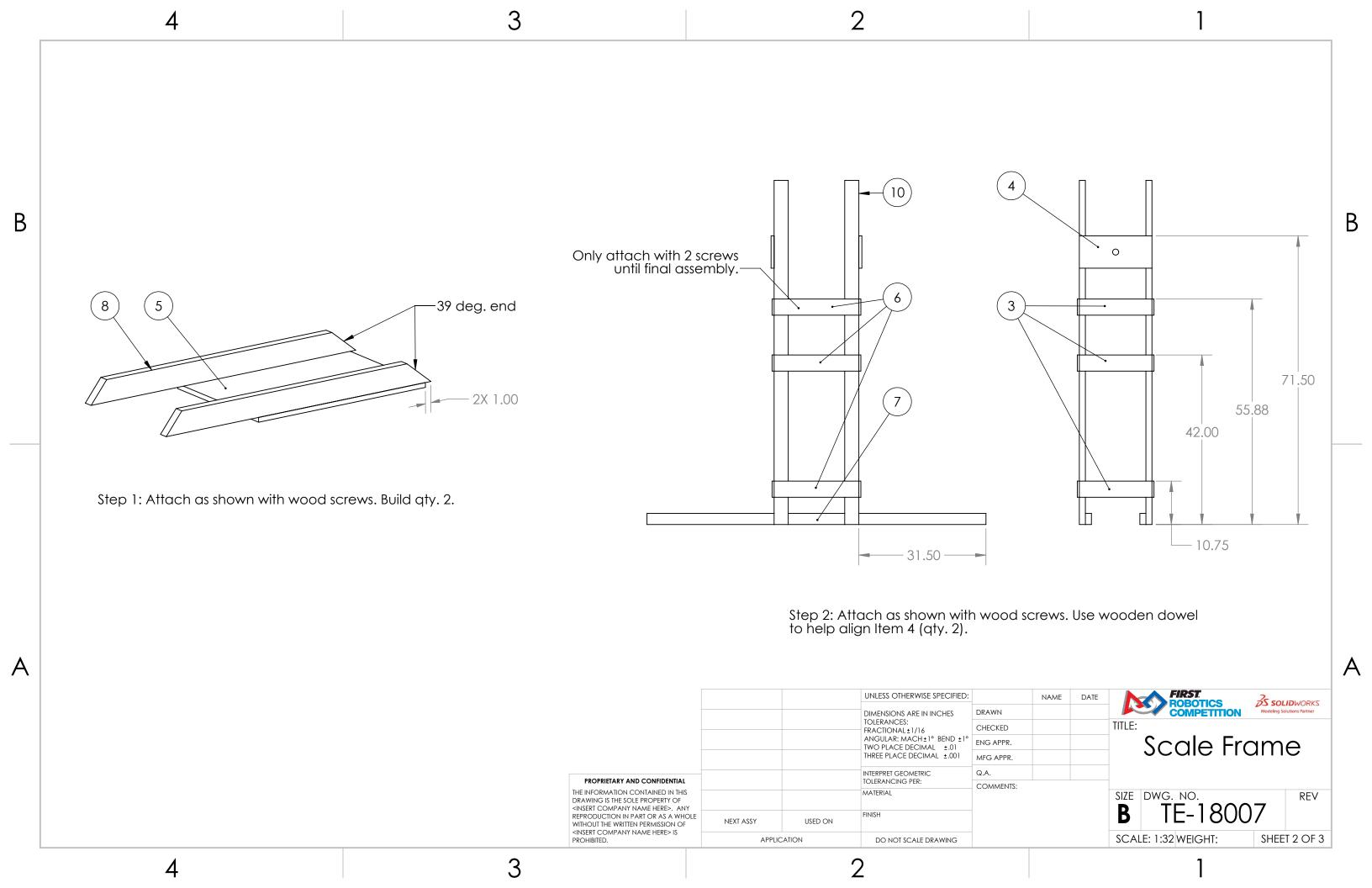


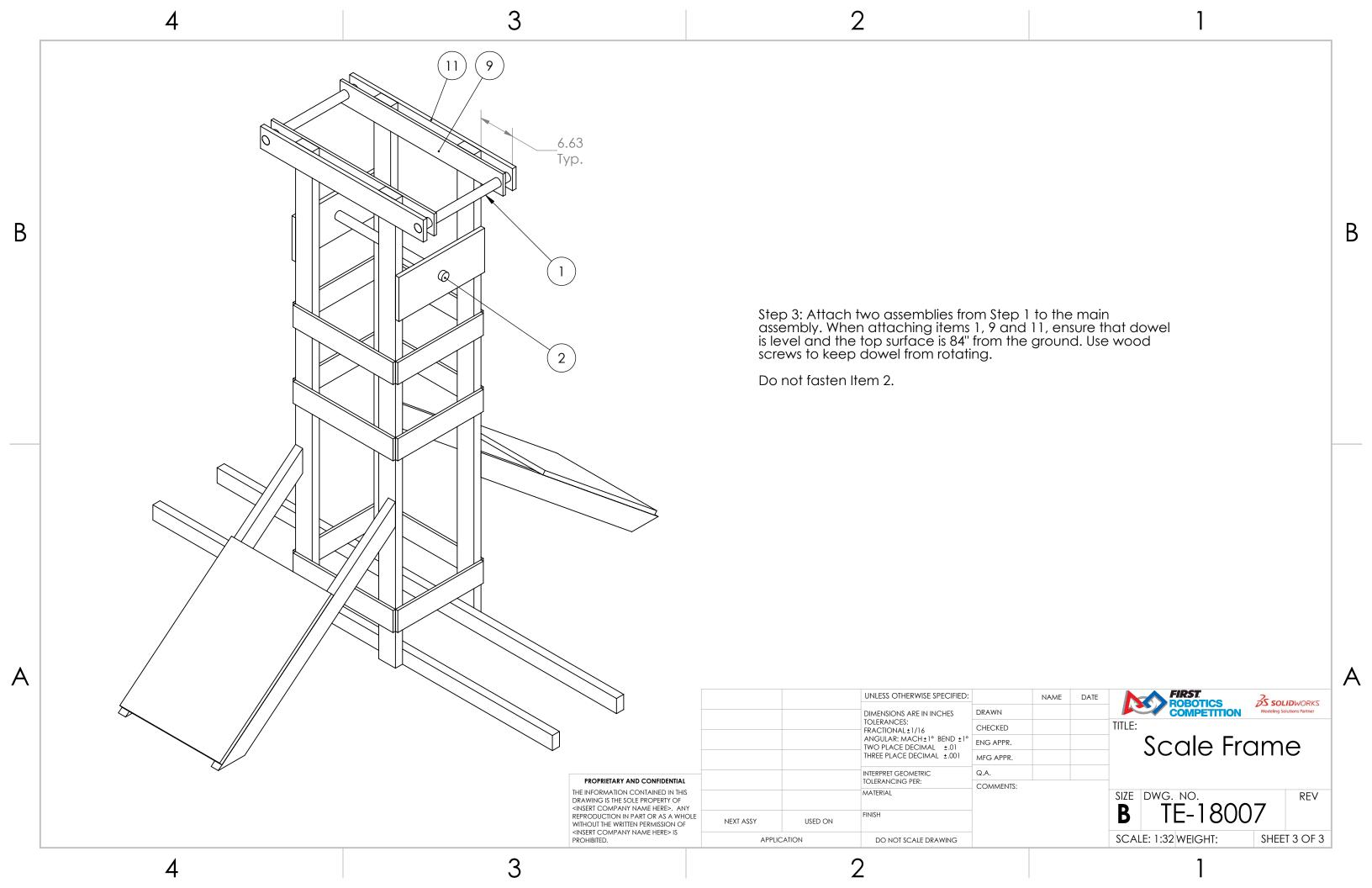


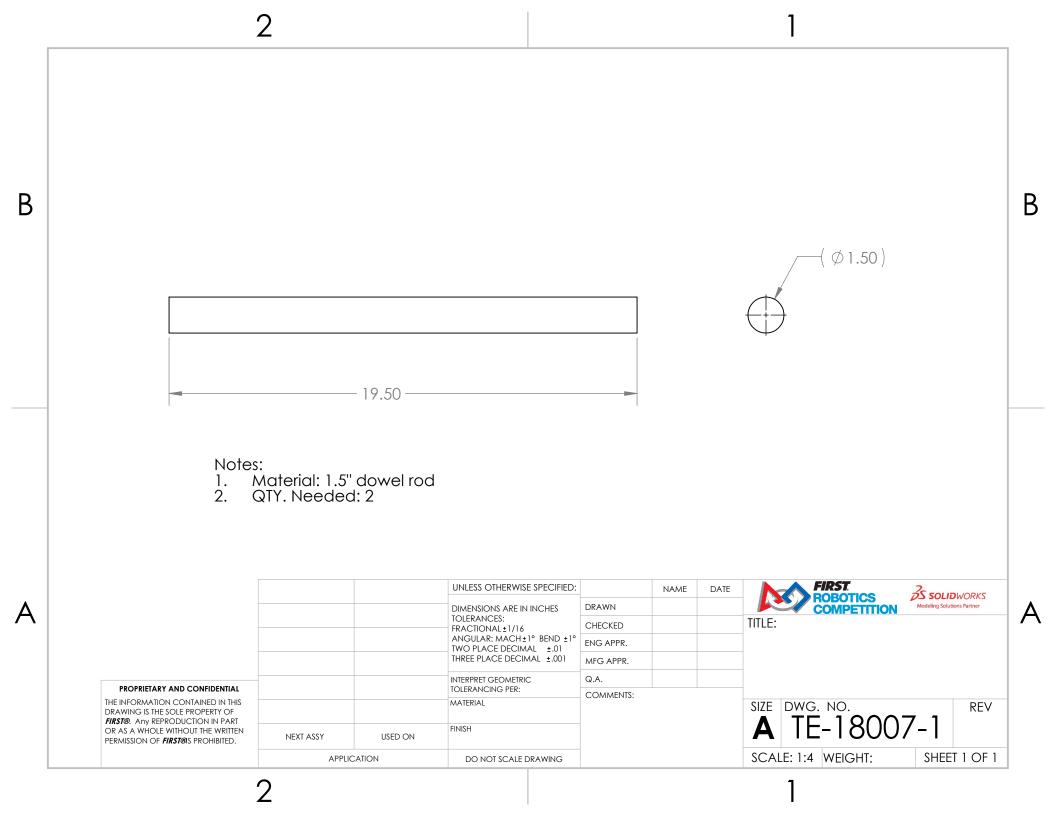


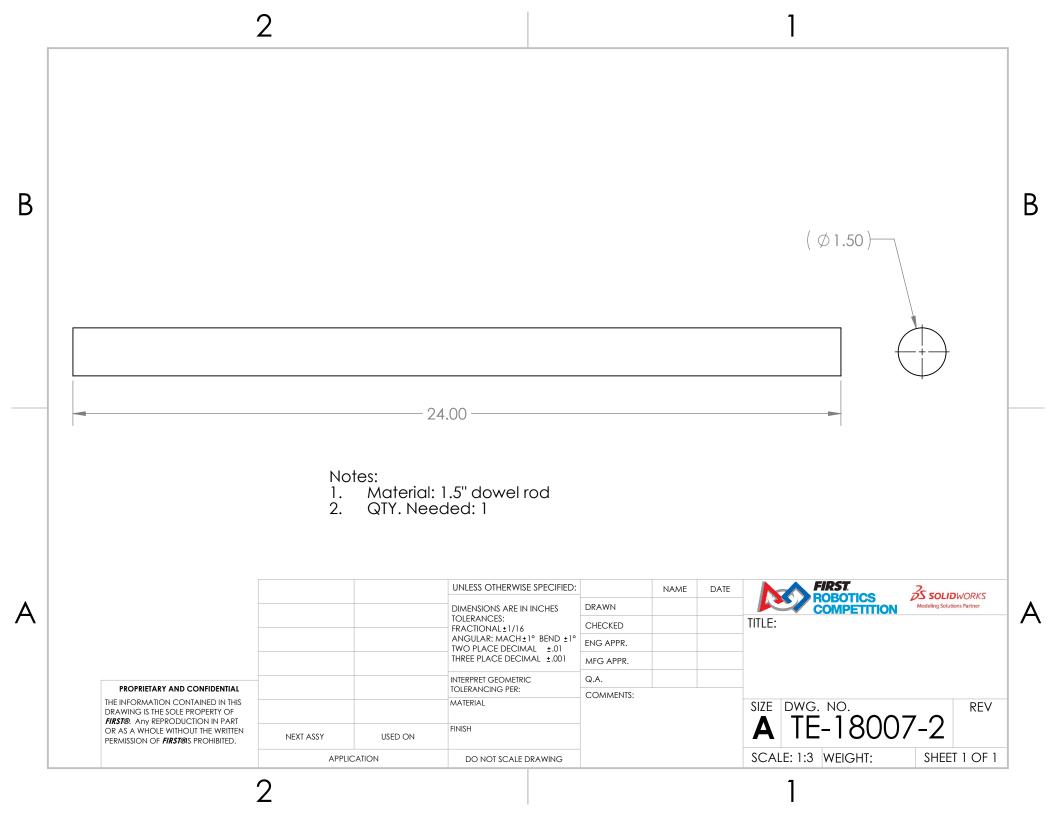
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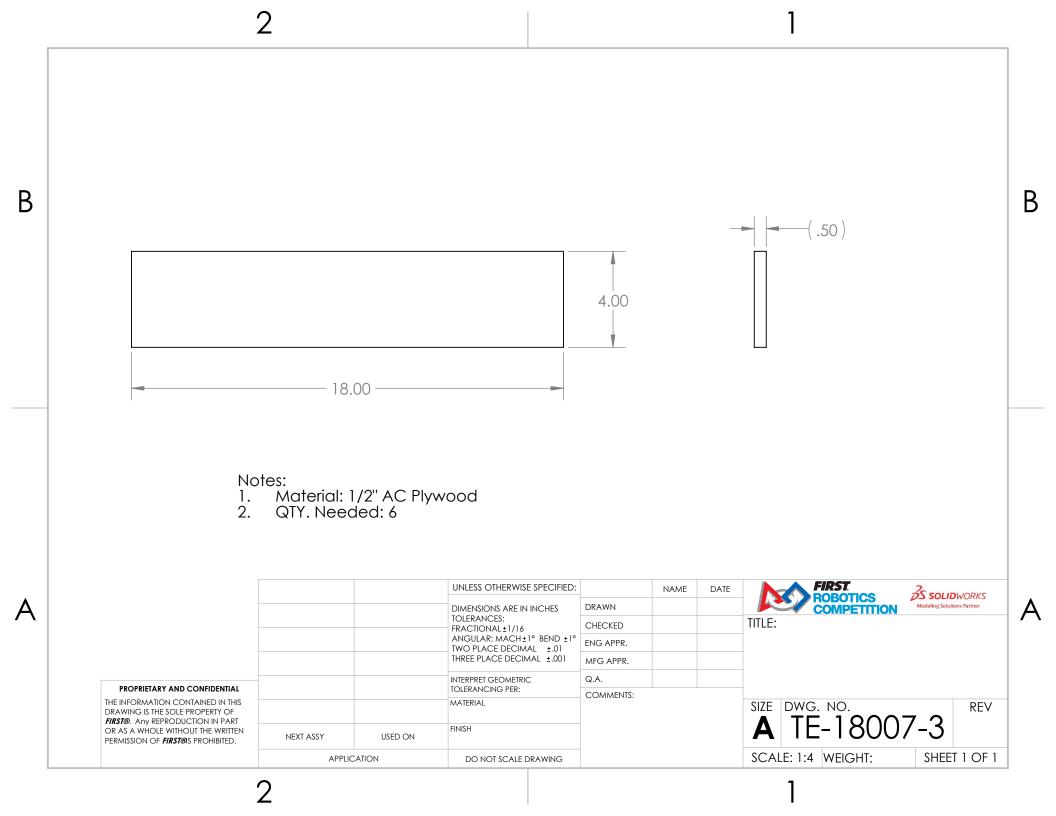


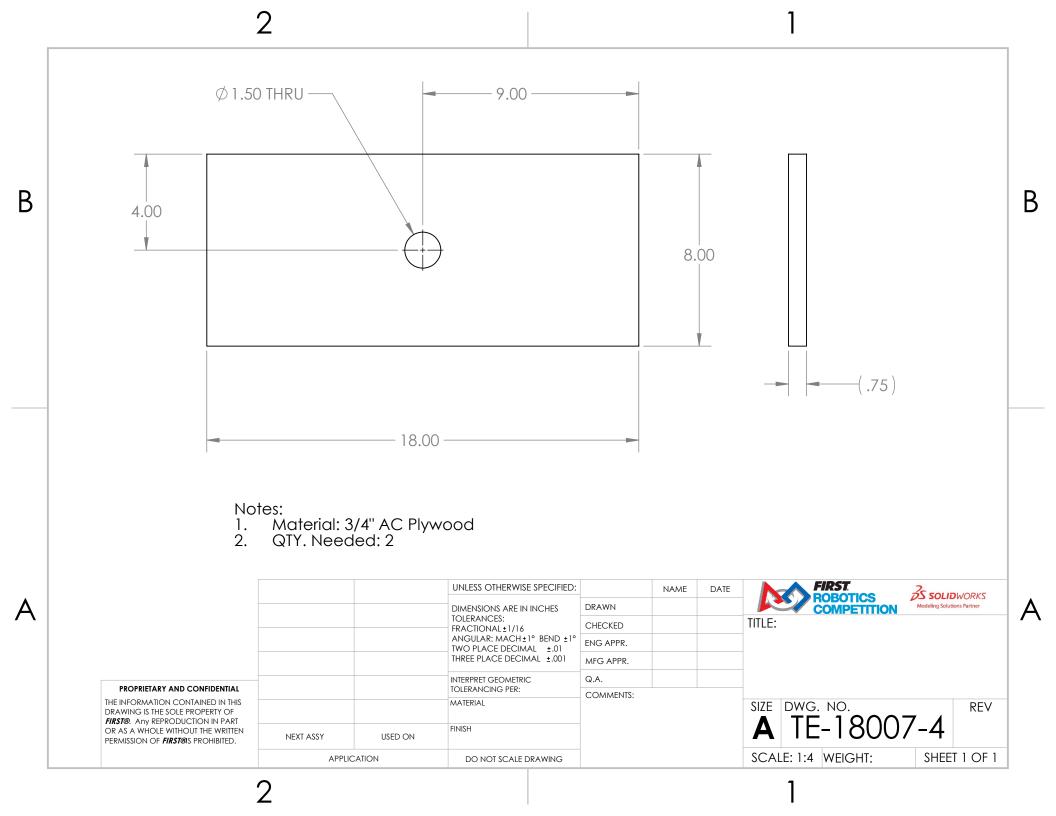


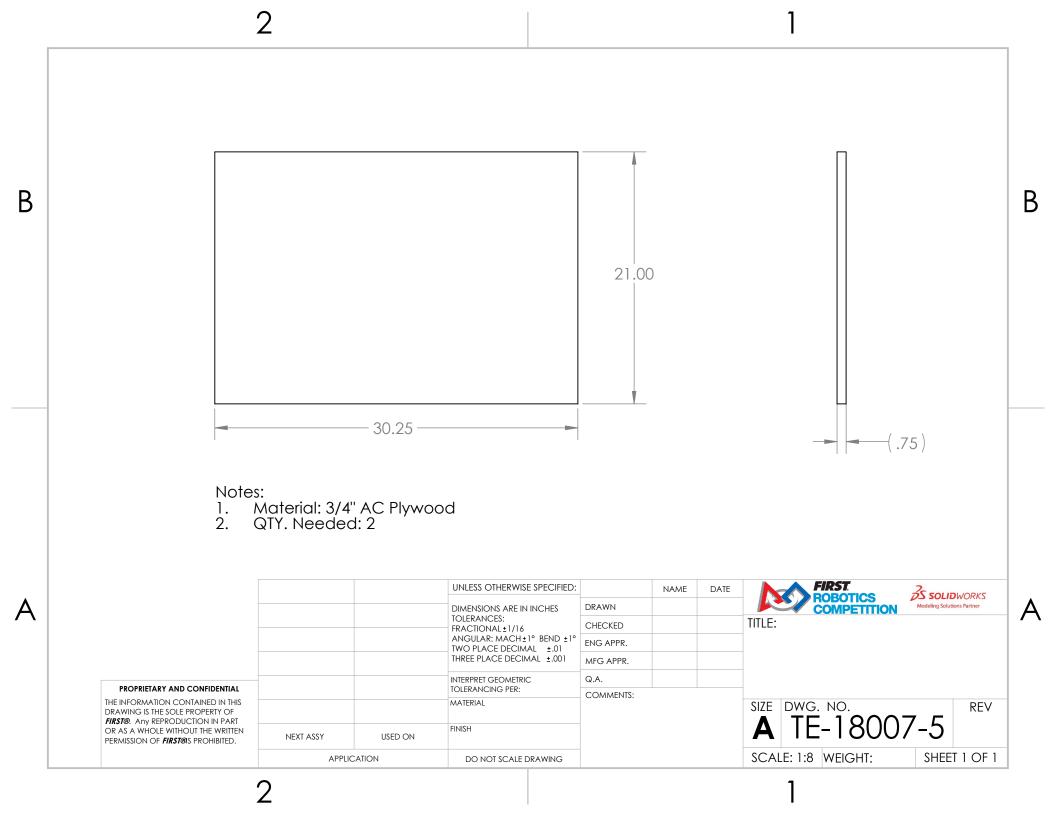


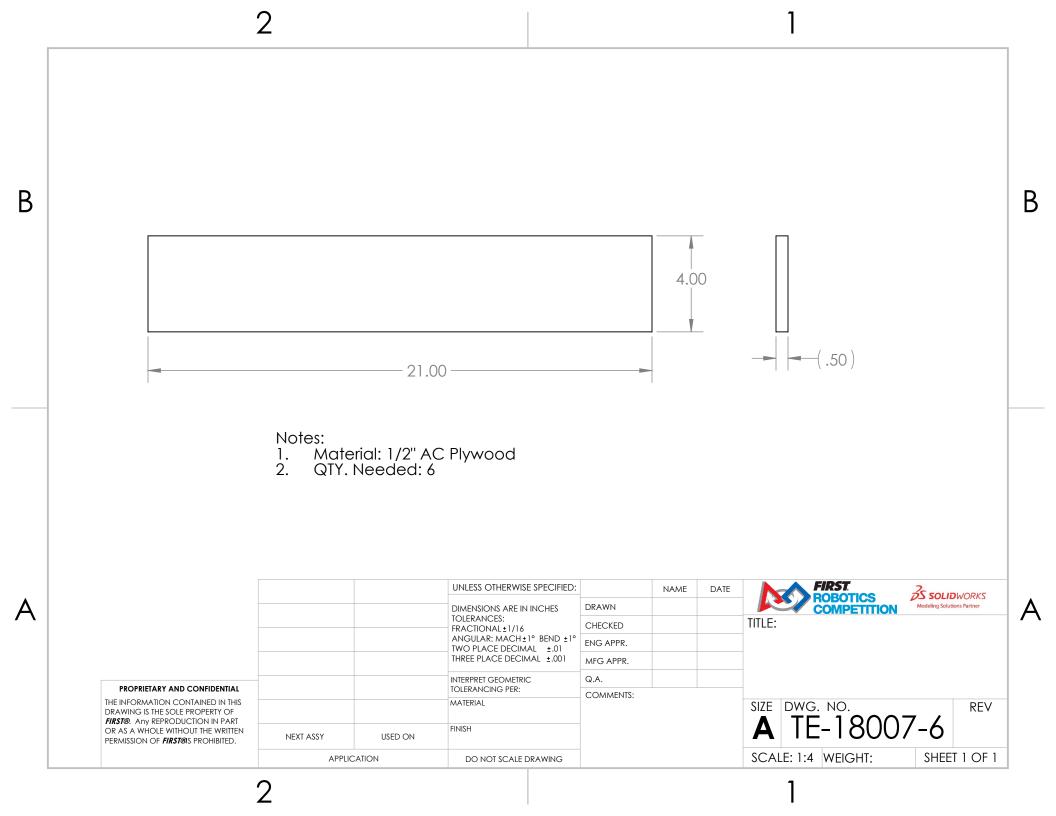


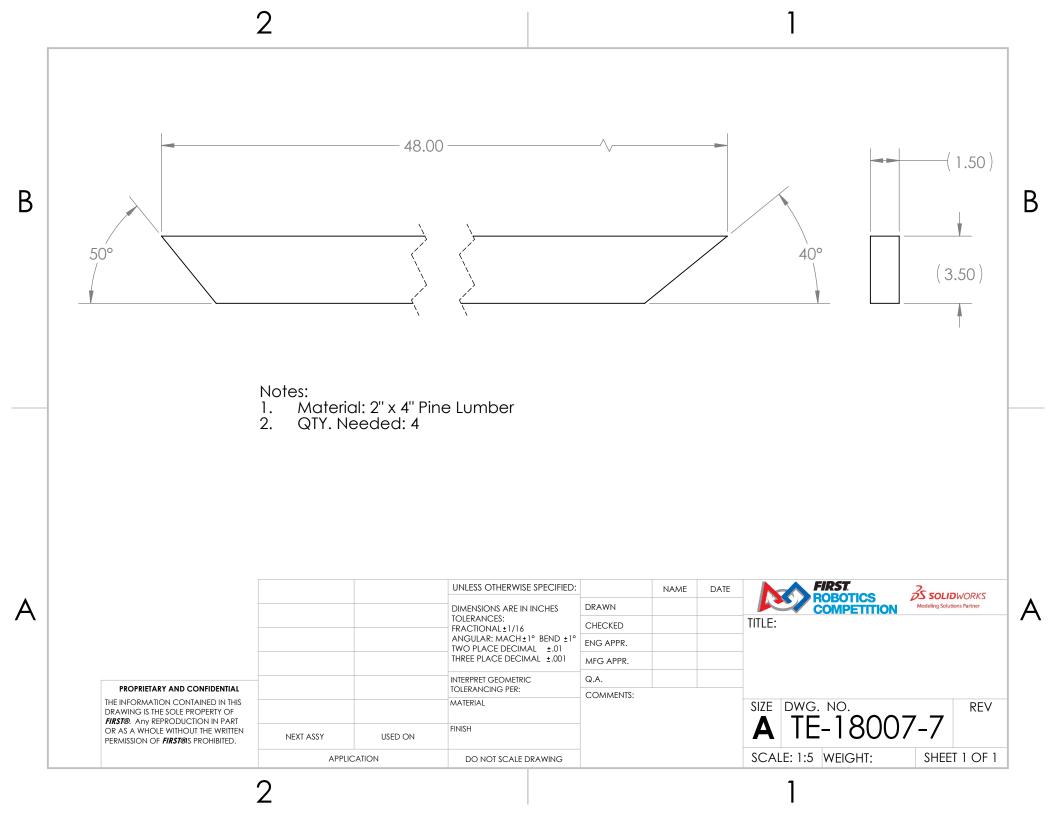


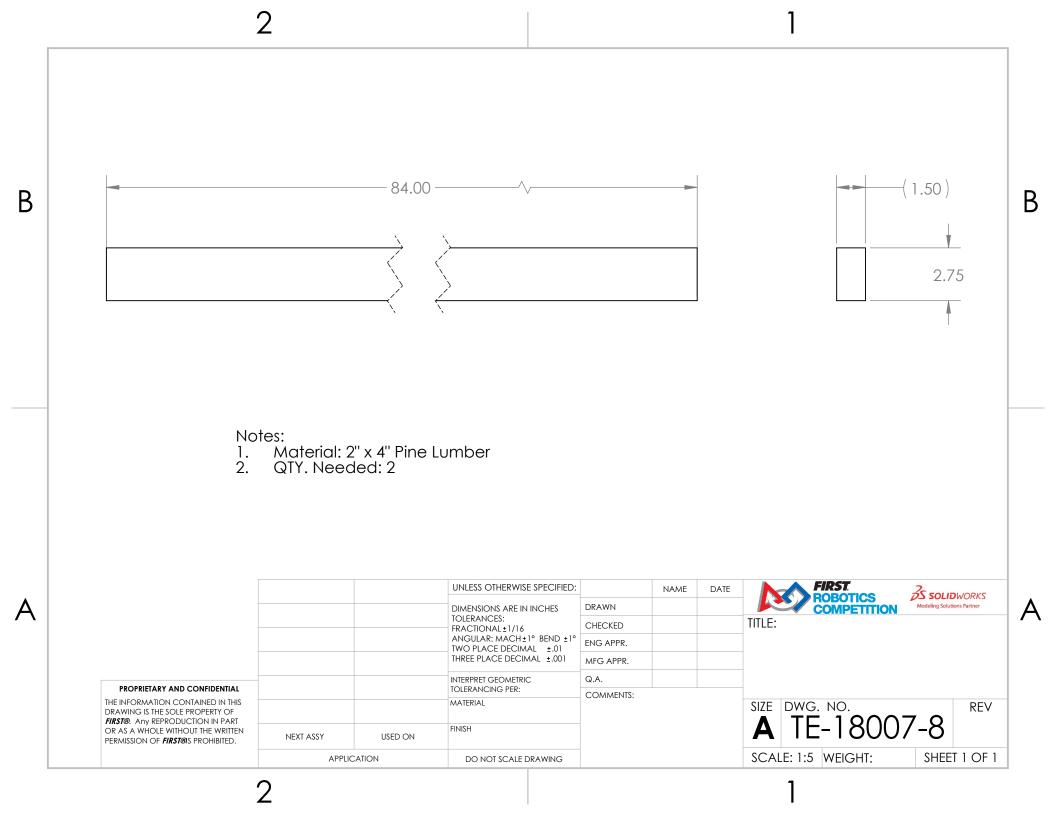


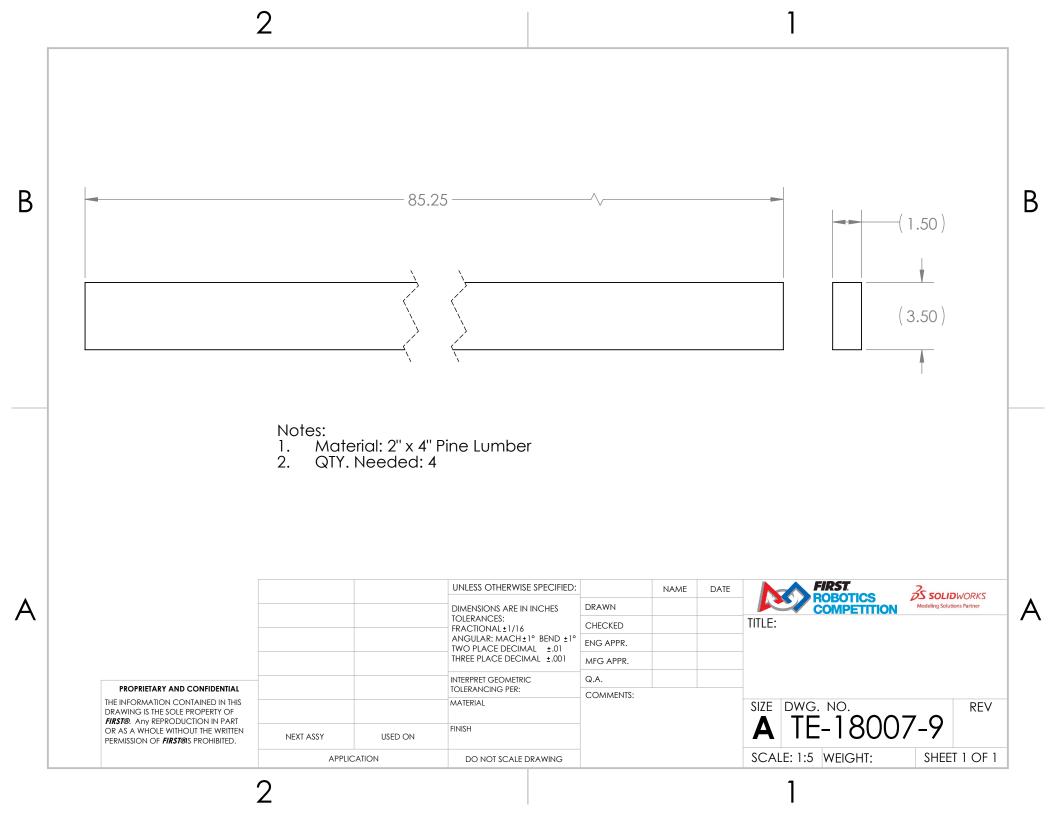


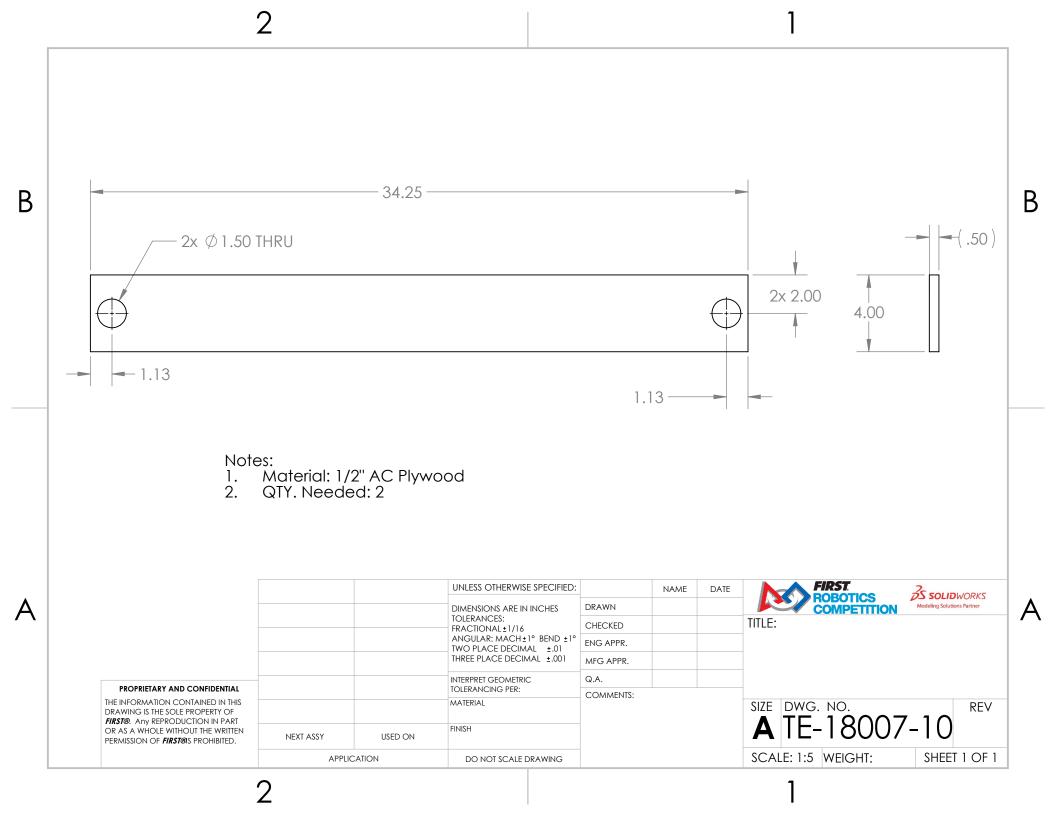


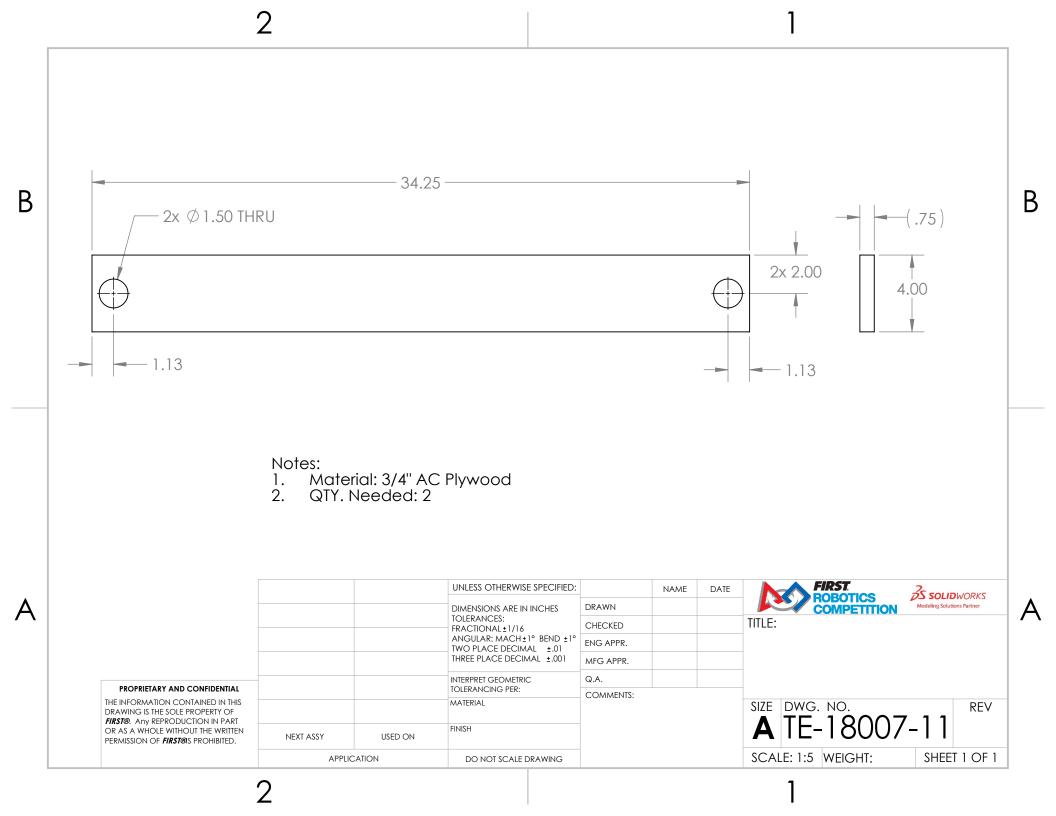


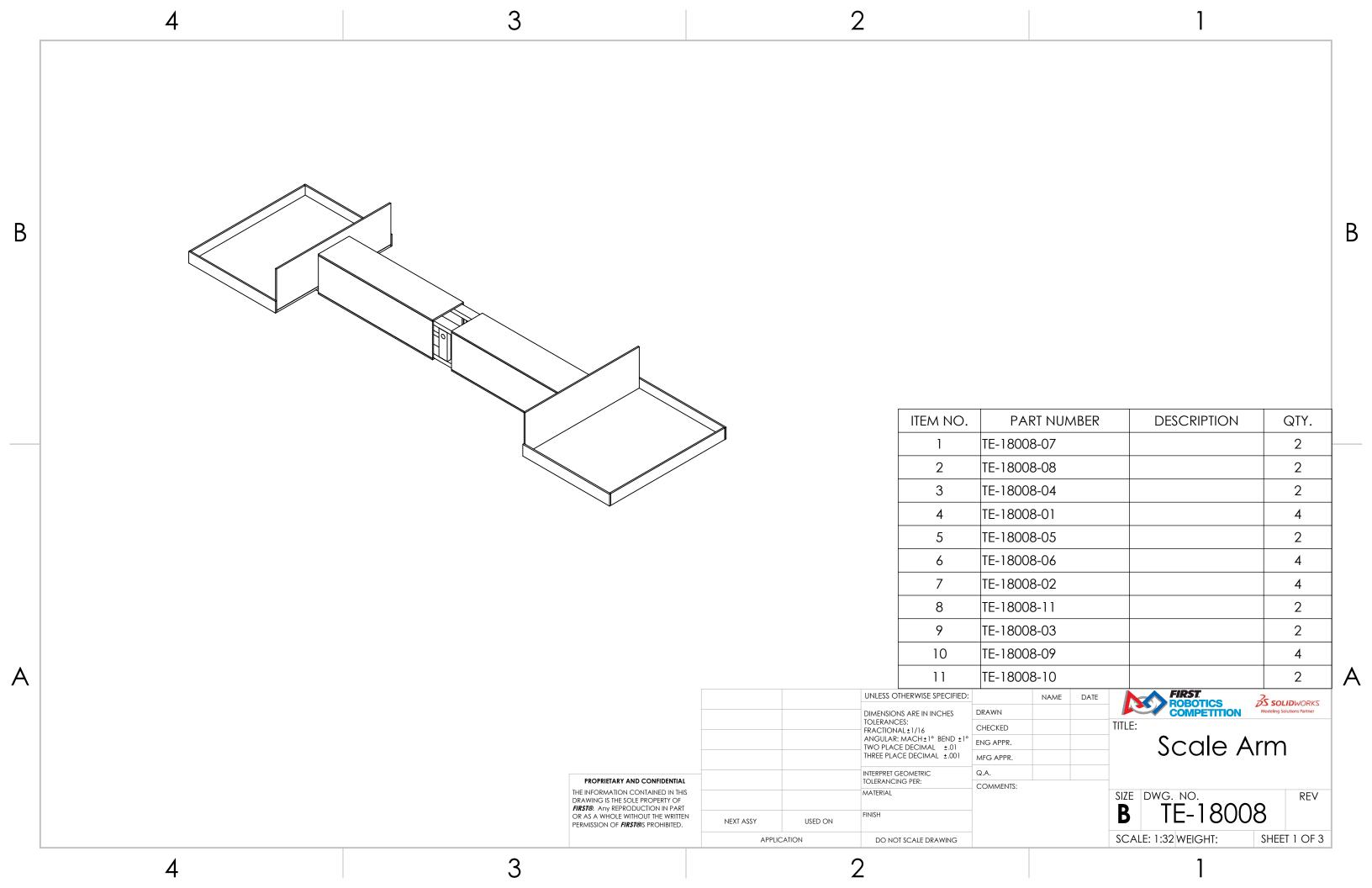


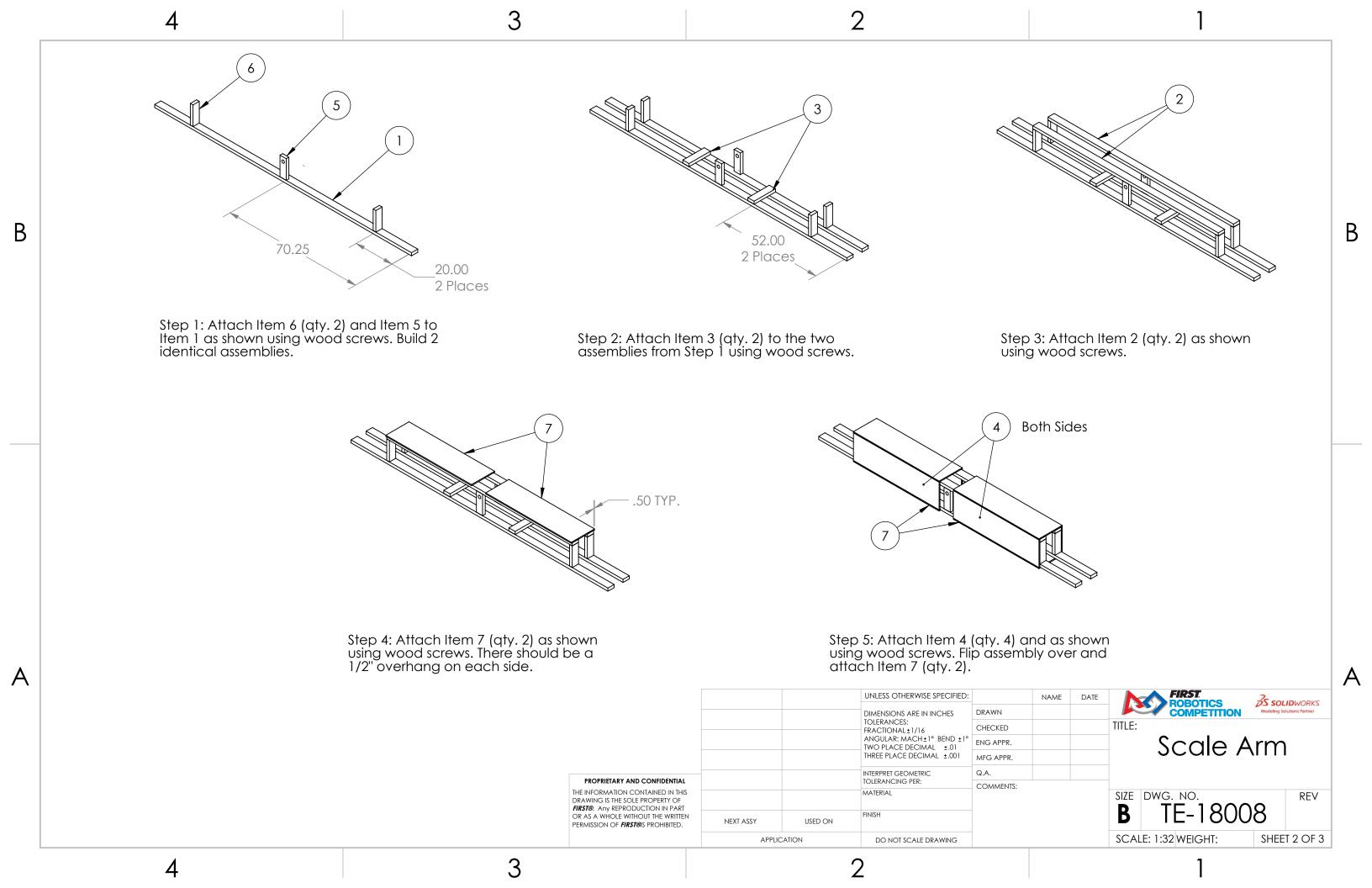


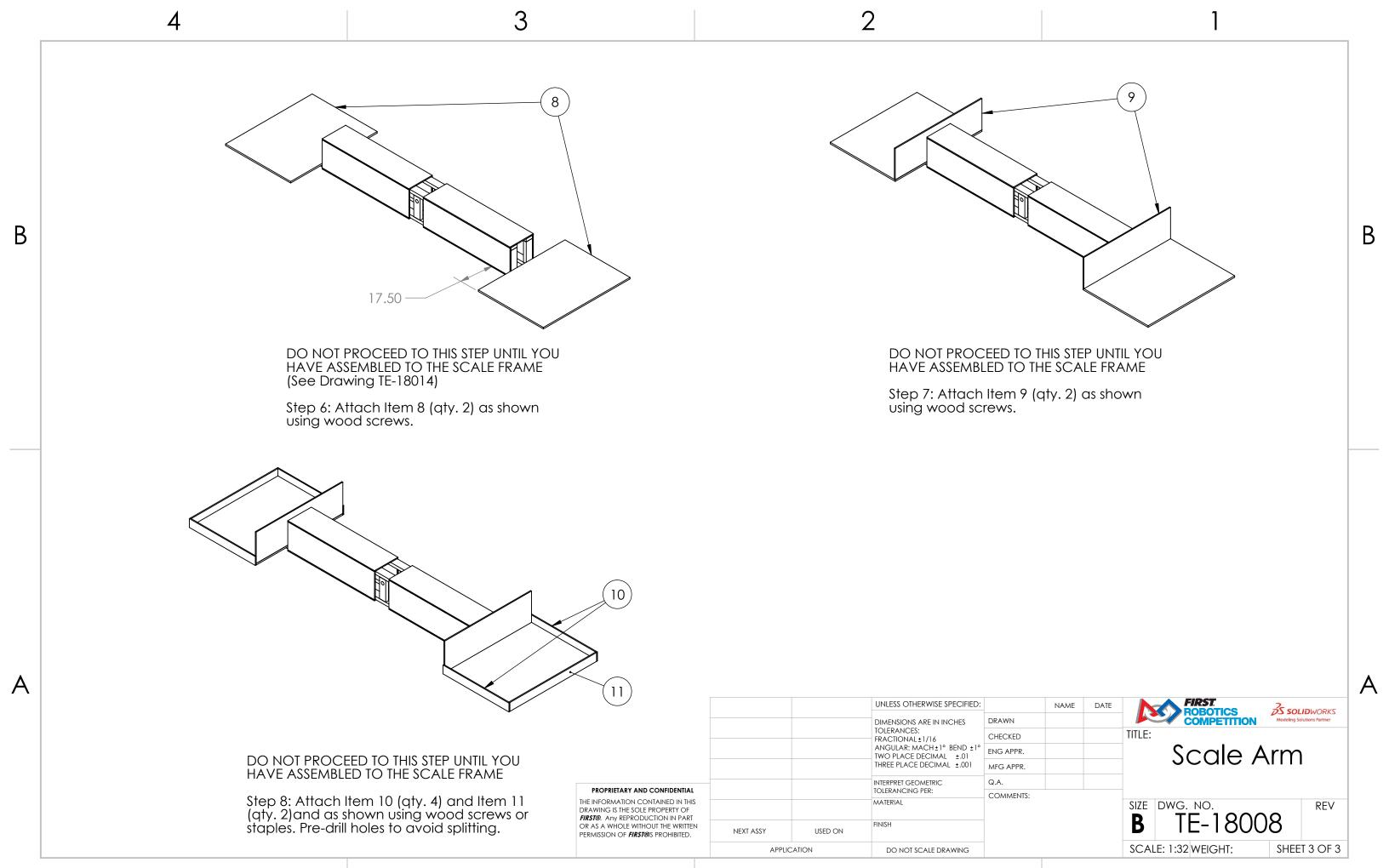




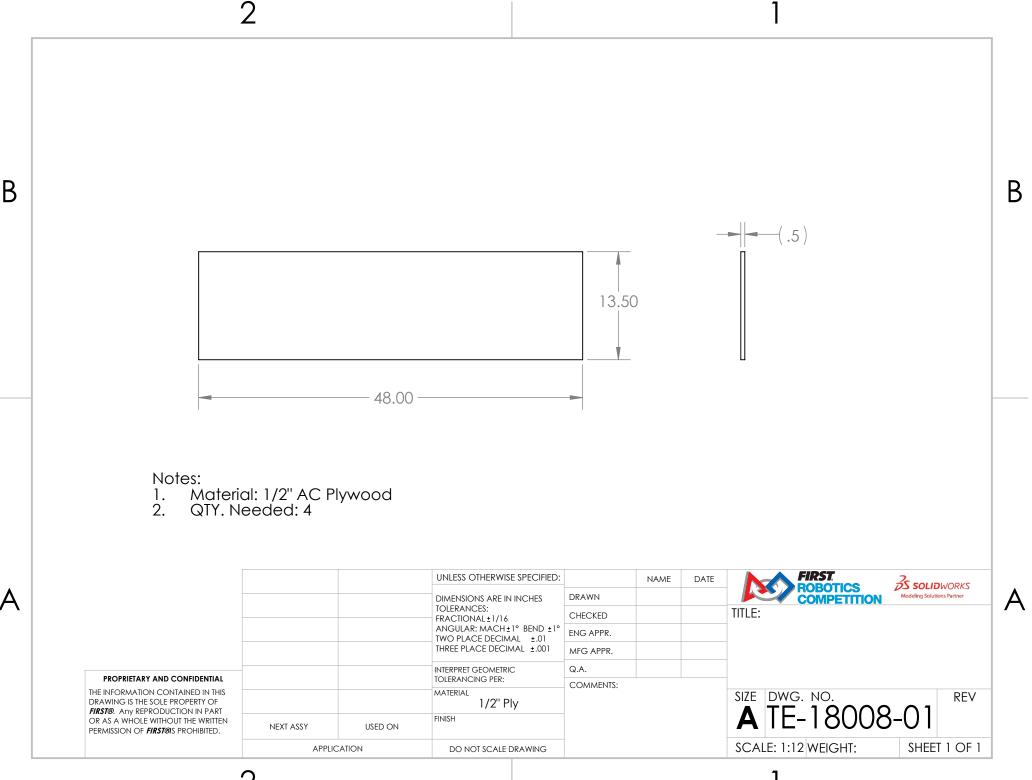




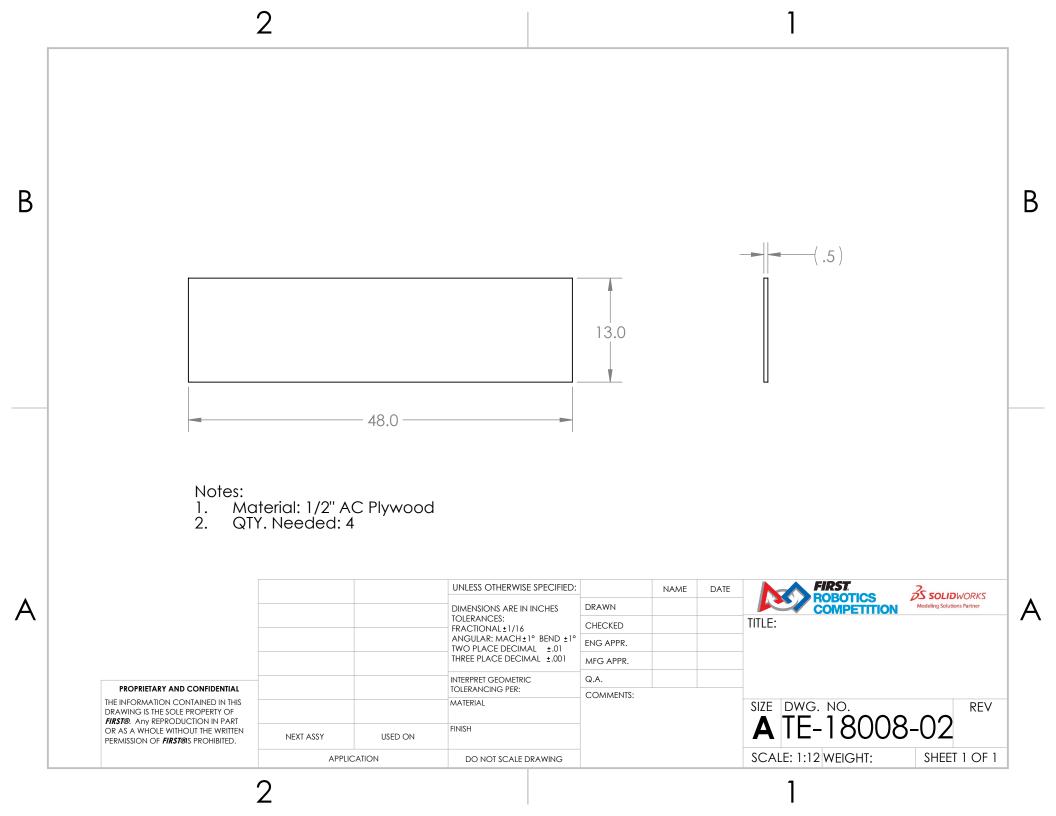


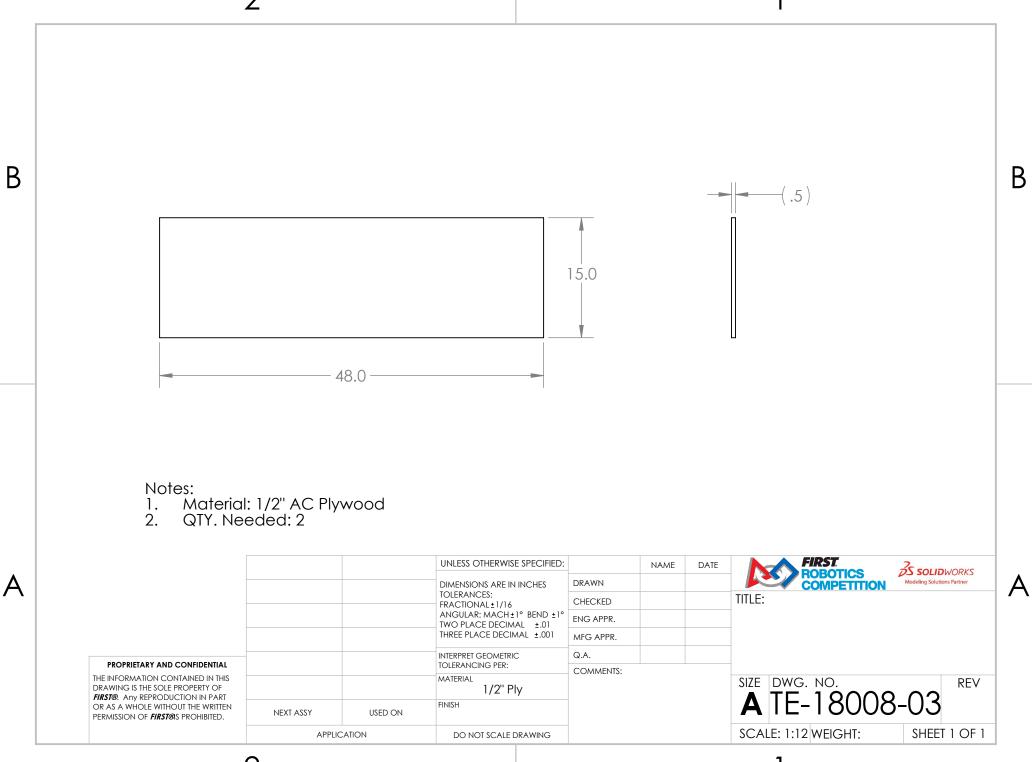


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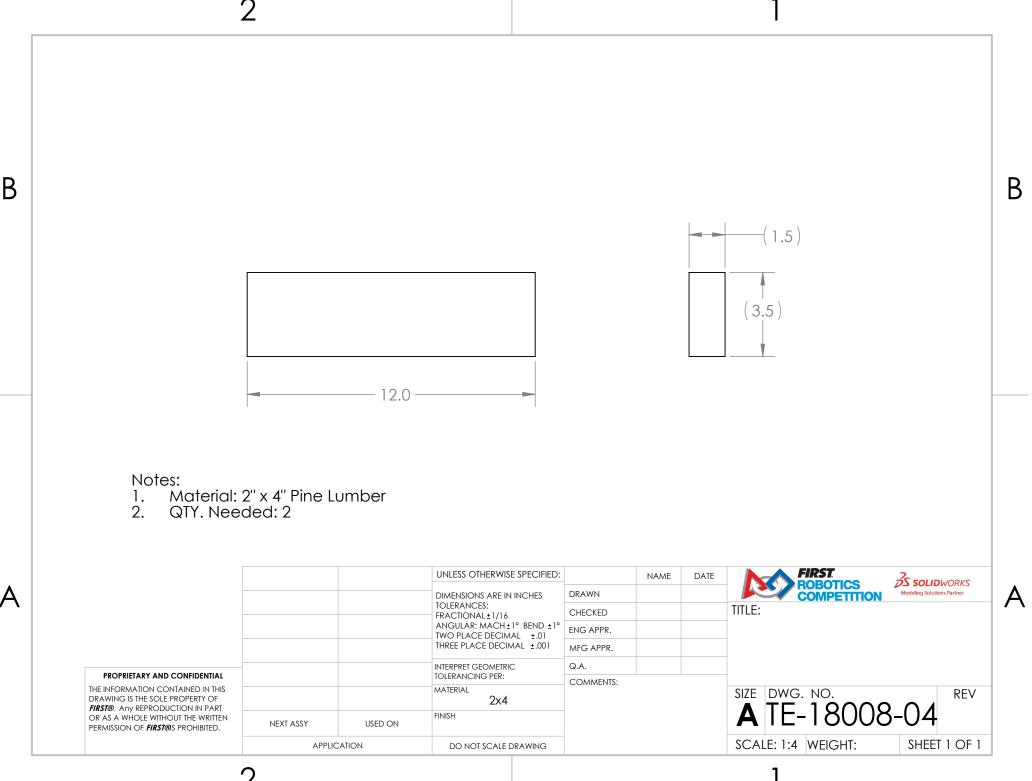


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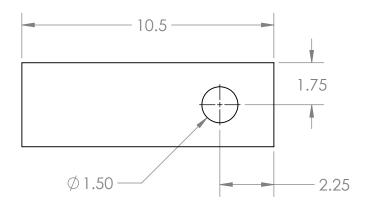


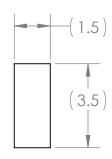


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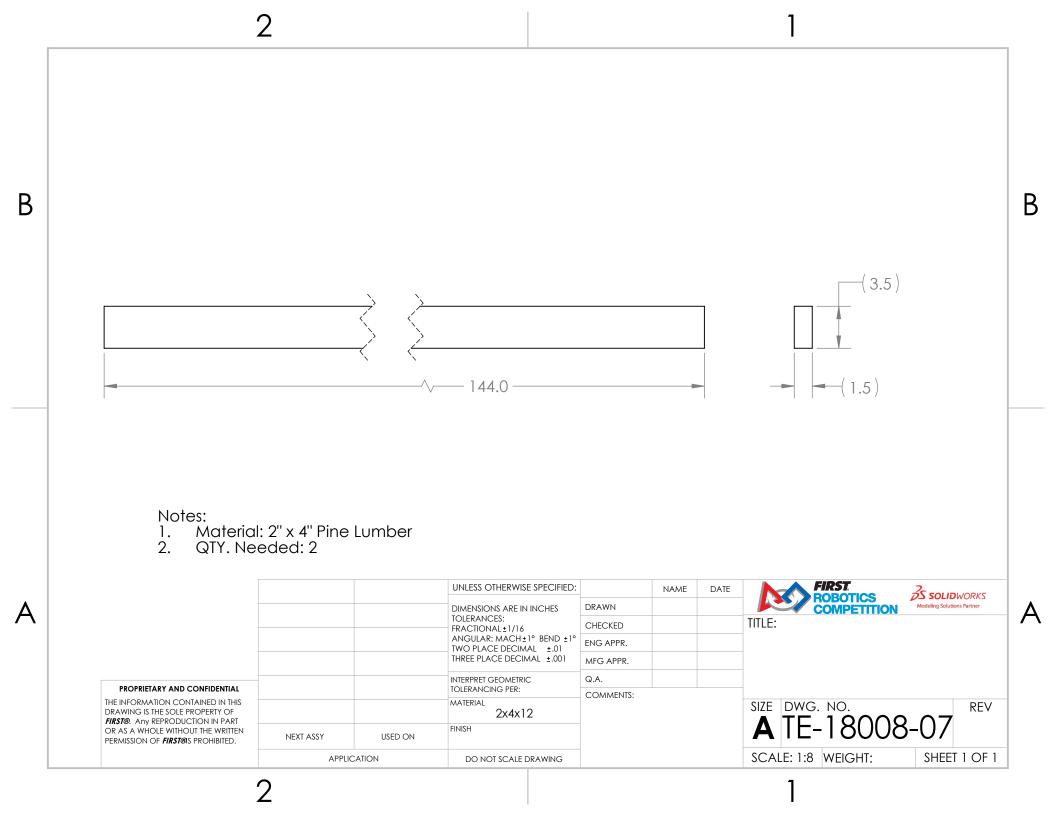


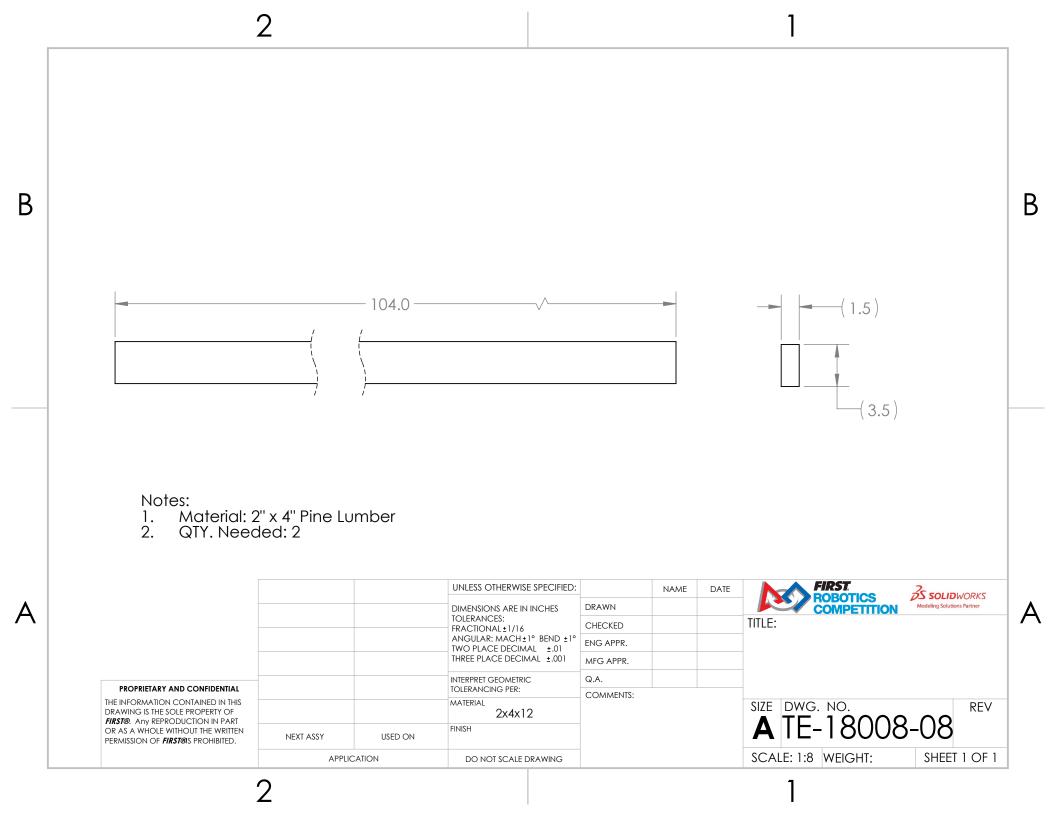


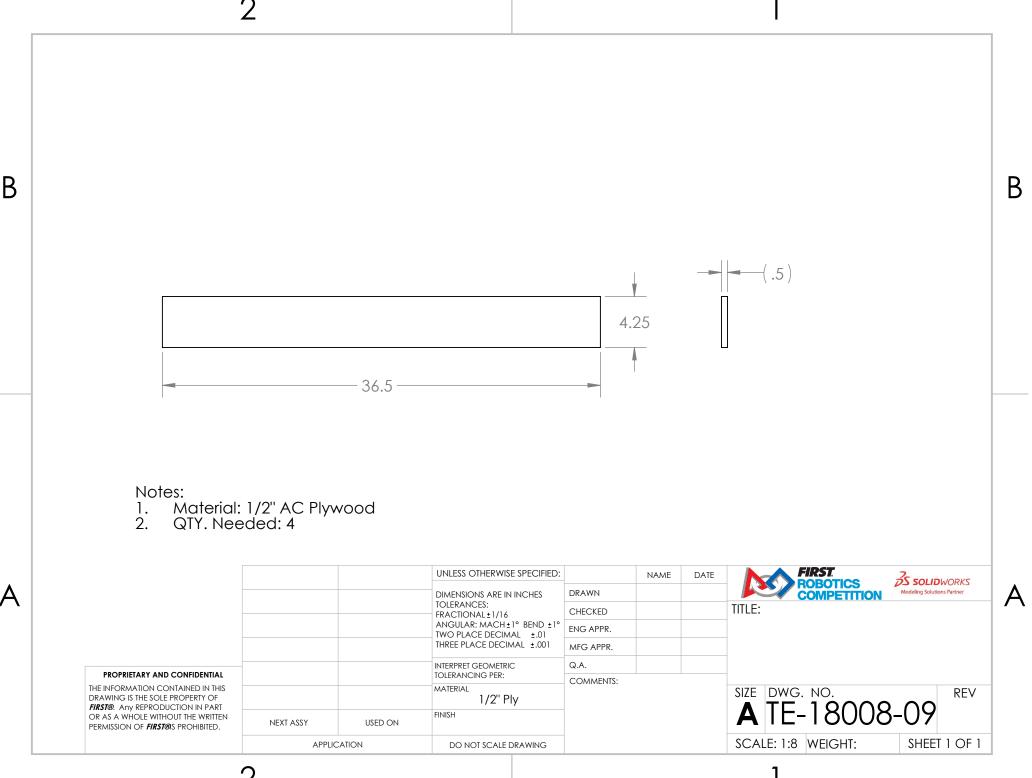
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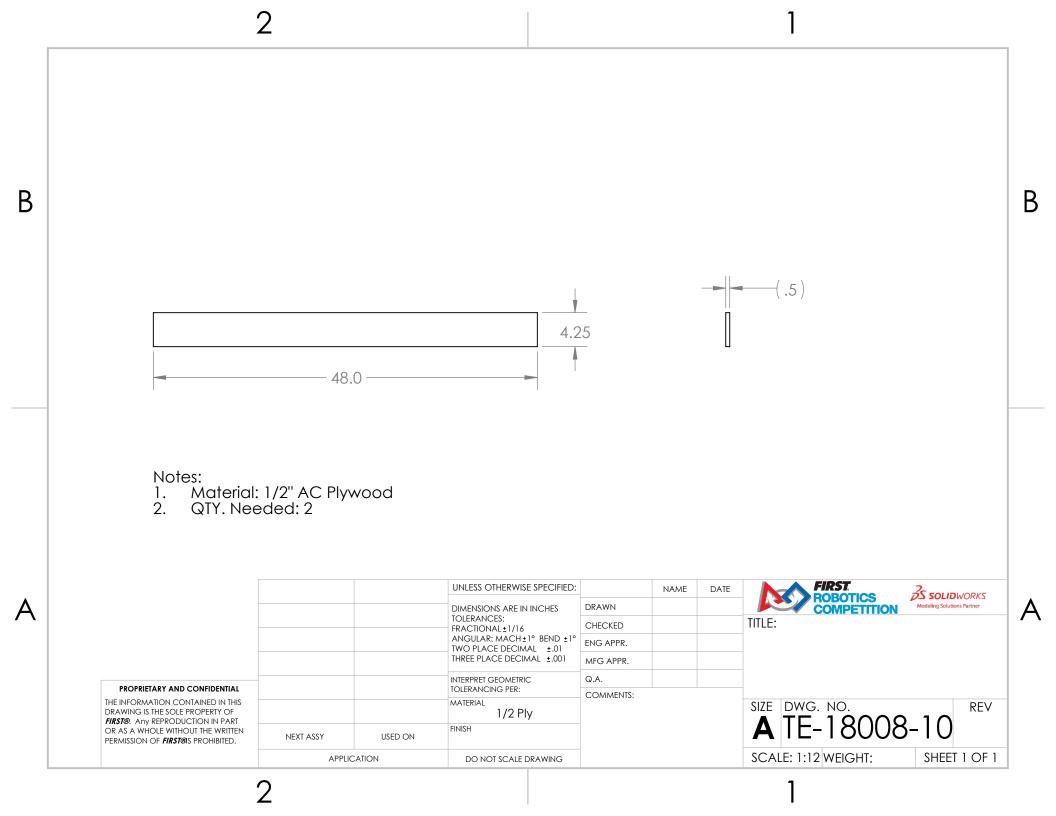
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2. QTY. Needed: 2

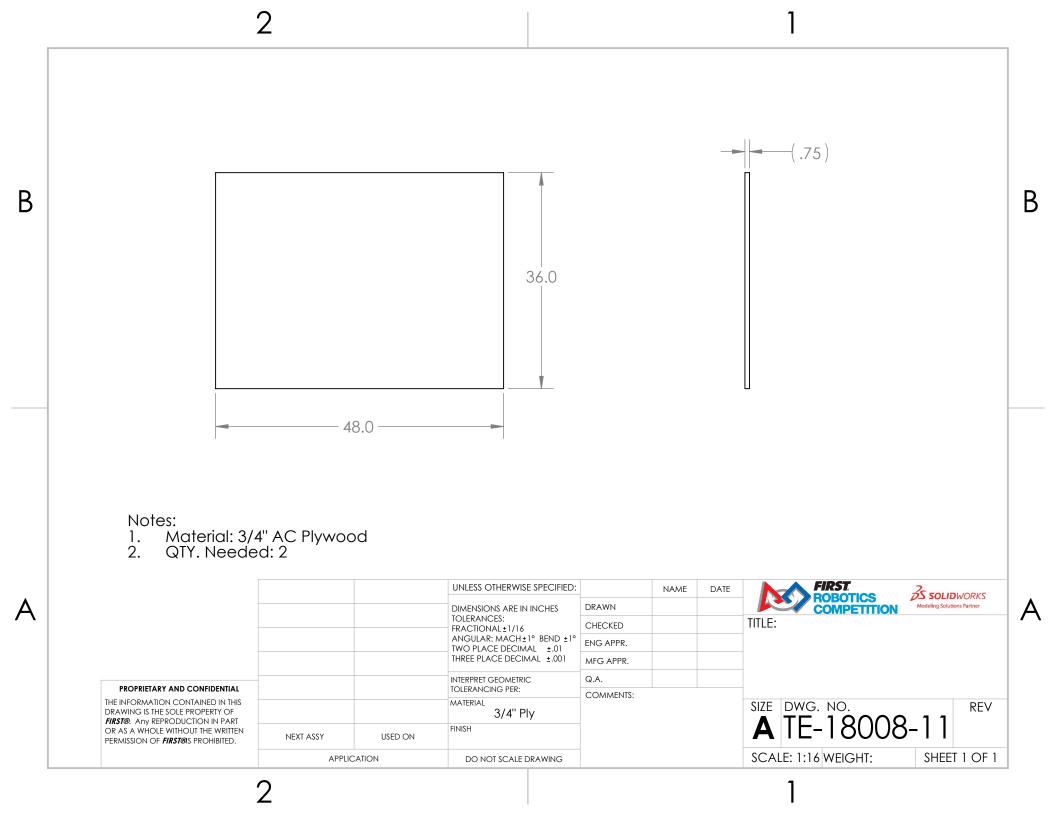
			UNLESS OTHERWISE SPECIFIED:		NAME	DATE	FIRST POROTICS SOLIDWORKS
			DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL±1/16 ANGULAR: MACH±1° BEND±1° TWO PLACE DECIMAL ±.01 THREE PLACE DECIMAL ±.001	DRAWN			COMPETITION Modeling Solutions Partner
				CHECKED			TITLE:
				ENG APPR.			
				MFG APPR.			
PROPRIETARY AND CONFIDENTIAL			INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF FIRST®. ANY REPRODUCTION IN PART			MATERIAL 2x4	COMMENTS:			SIZE DWG. NO.
OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF <i>FIRST®</i> S PROHIBITED.	NEXT ASSY	USED ON	FINISH				A TE-18008-05
	APPLI	CATION	DO NOT SCALE DRAWING				SCALE: 1:4 WEIGHT: SHEET 1 OF

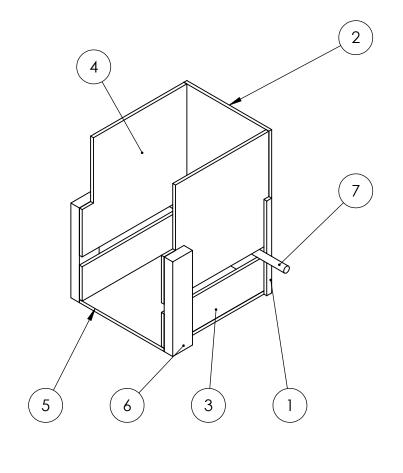








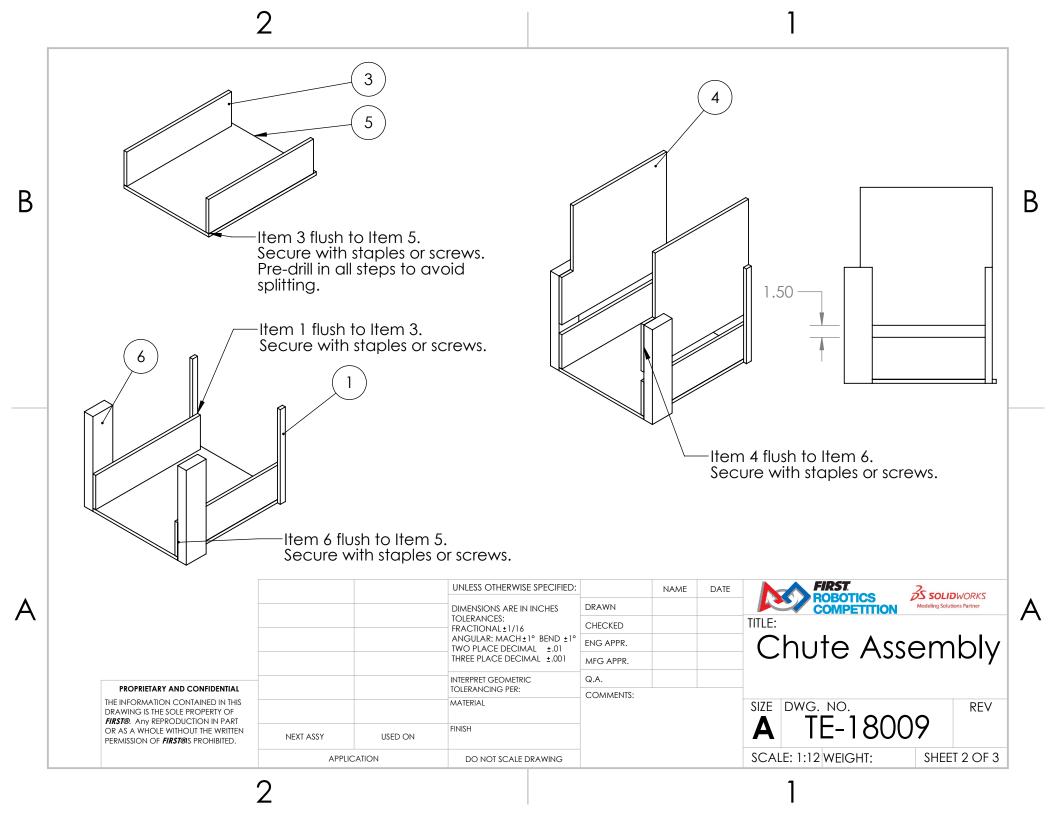




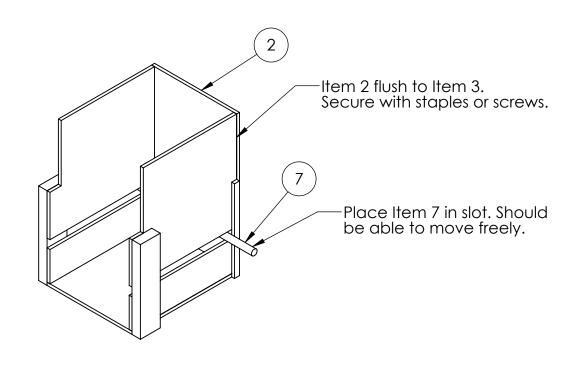
NOTE: Two of these assemblies will be required to build all elements.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
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2	TE-18009-2		1
3	TE-18009-3		2
4	TE-18009-4		2
5	TE-18009-5		1
6	TE-18009-6		2
7	TE-18009-7		1

			UNLESS OTHERWISE SPECIFIED:		NAME	DATE	FIRST. ROBOTICS 25 SOLIDWORKS
			DIMENSIONS ARE IN INCHES	DRAWN			COMPETITION Modeling Solutions Partner
-			TOLERANCES: FRACTIONAL±1/16	CHECKED			TITLE:
			ANGULAR: MACH±1° BEND ±1° TWO PLACE DECIMAL ±.01	ENG APPR.			Chute Assembly
			THREE PLACE DECIMAL ±.001	MFG APPR.			CHOIC / (33CHIDIY
			INTERPRET GEOMETRIC	Q.A.			
PROPRIETARY AND CONFIDENTIAL			TOLERANCING PER:	COMMENTS:			
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	APPLIC	CATION	DO NOT SCALE DRAWING				SCALE: 1:12 WEIGHT: SHEET 1 OF 3

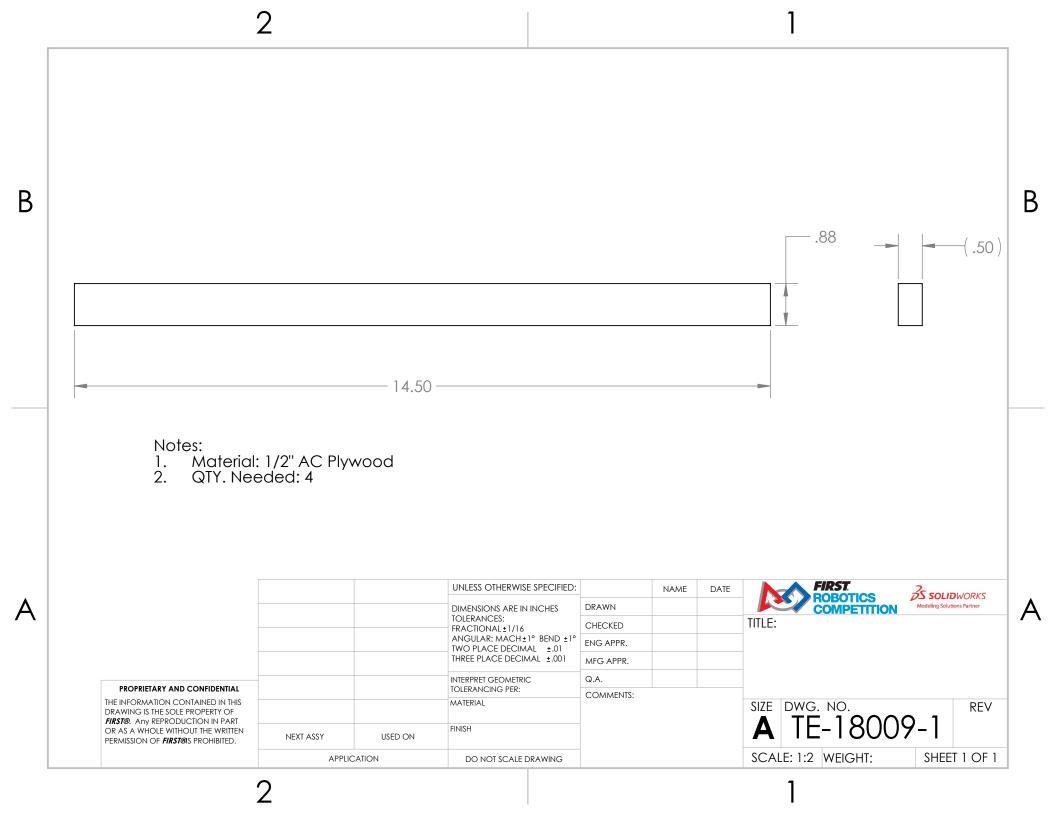


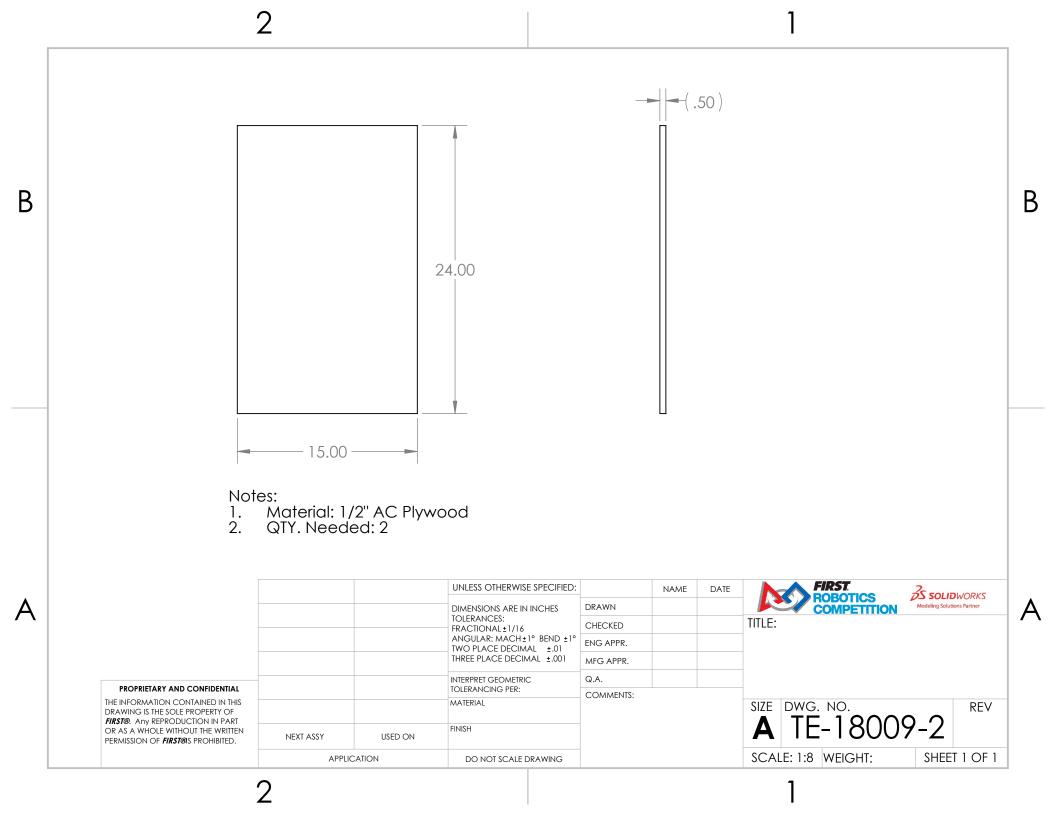


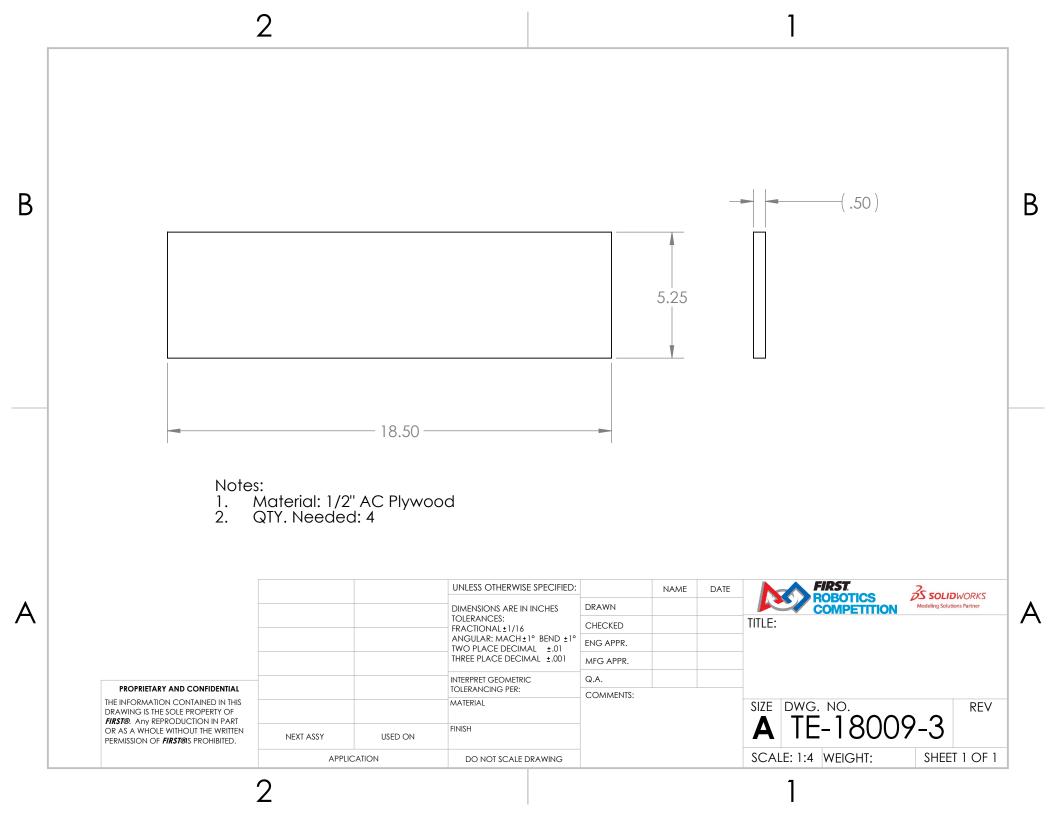


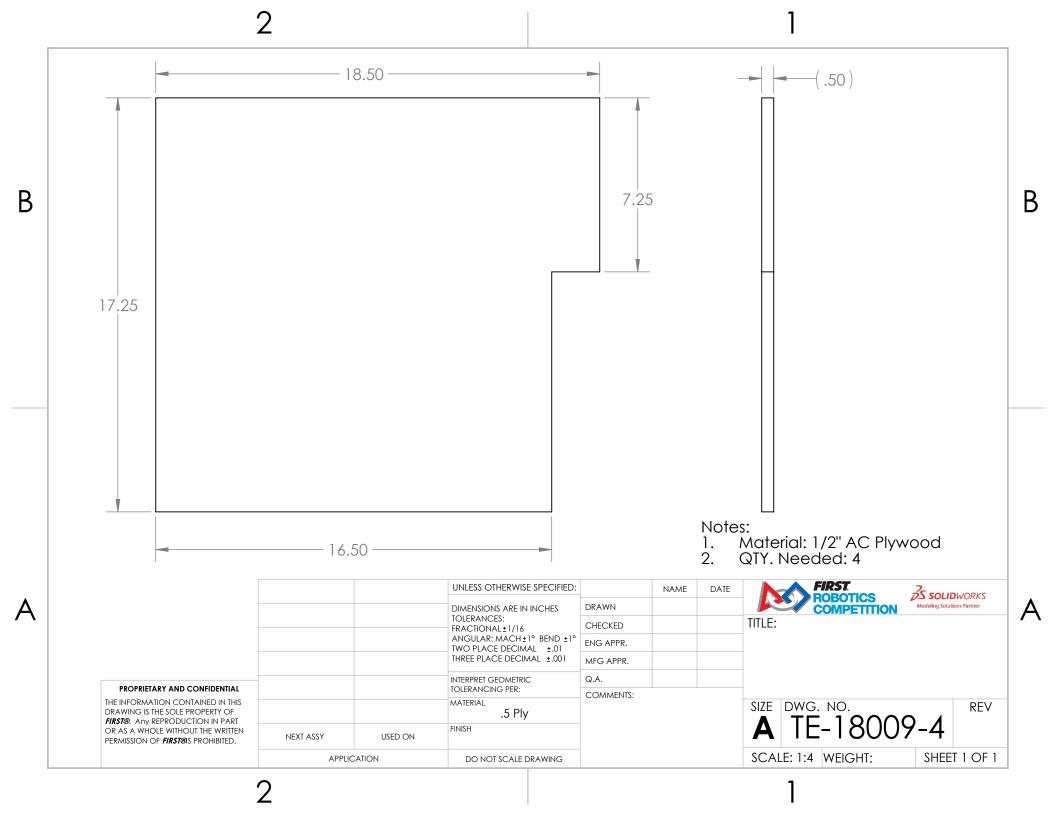
			UNLESS OTHERWISE SPECIFIED:		NAME	DATE	FIRST. ROBOTICS	3S SOLID WORKS
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			TOLERANCES: FRACTIONAL±1/16	CHECKED			TITLE:	
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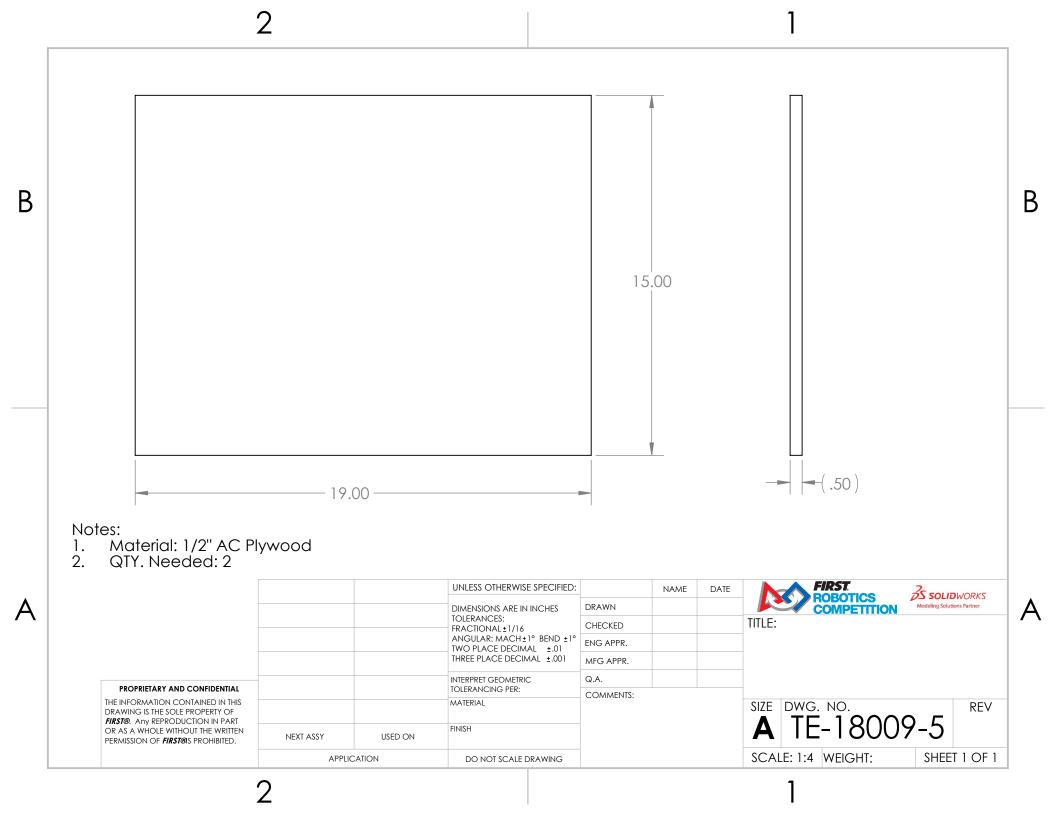
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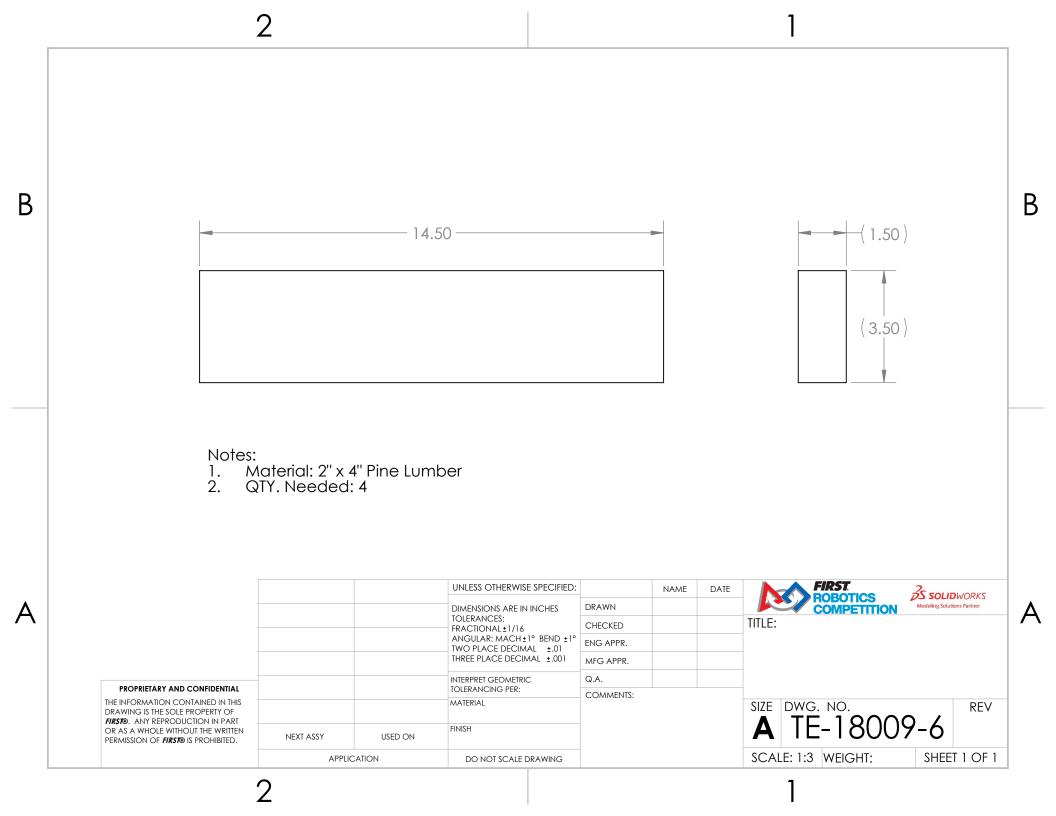


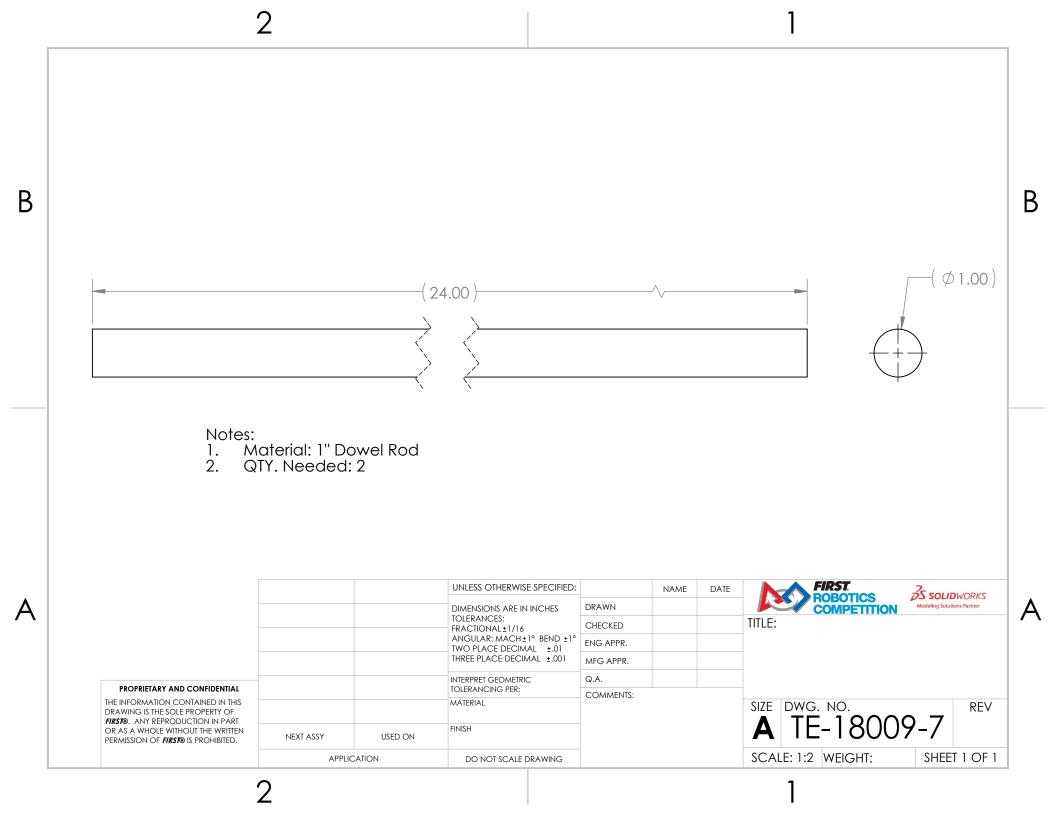


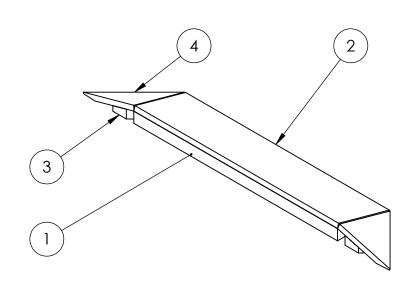








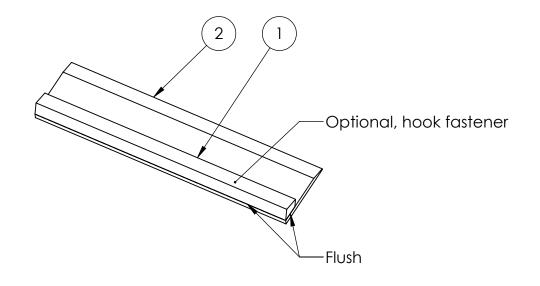




ITEM NO. **DESCRIPTION** PART NUMBER QTY. TE-18010-02 2 TE-18010-03 3 TE-18010-04 2 TE-18010-05

В

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			DIMENSIONS ARE IN INCHES	DRAWN				lodeling Solutions Partner	
			TOLERANCES: FRACTIONAL±1/16	CHECKED			TITLE:		
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THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF			MATERIAL				SIZE DWG. NO.	REV	
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FERMISSION OF FIRSTUS PROHIBITED.	APPLI	CATION	DO NOT SCALE DRAWING				SCALE: 1:8 WEIGHT:	SHEET 1 OF 3	



Optional, hook fastener

4

Flush, both ends

В

Align Item 1 and Item 2 as shown. Fasten with wood screws.

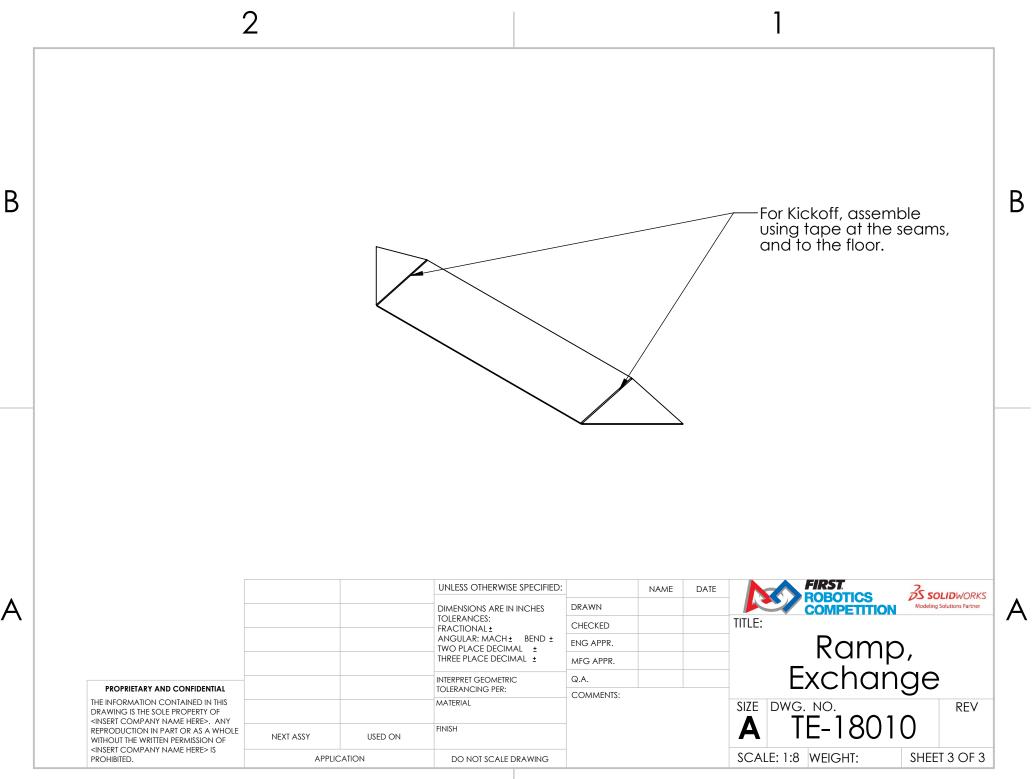
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Align Item 3 and Item 4 as shown. Fasten with wood screws. Build a qty. of two.

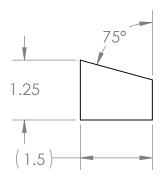
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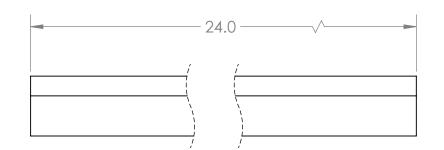
2

1



В





- Notes:
 1. Material: 2" x 4" Pine Lumber
 2. QTY. Needed: 1

			UNLESS OTHERWISE SPECIFIED:	_	NAME	DATE	FIRST. ROBOTICS 25 SOLIDWORKS
			DIMENSIONS ARE IN INCHES	DRAWN			COMPETITION Modeling Solutions Partner
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				ENG APPR.			
			THREE PLACE DECIMAL ±.001	MFG APPR.			
PROPRIETARY AND CONFIDENTIAL			INTERPRET GEOMETRIC	Q.A.			
PROPRIETARY AND CONFIDENTIAL			TOLERANCING PER:	COMMENTS:			
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FERMISSION OF FIRSTO S FROMIBITED.	APPLIC	CATION	DO NOT SCALE DRAWING				SCALE: 1:2 WEIGHT: SHEET 1 OF 1

В

- .13 (.5) 15° 4.8

24.0

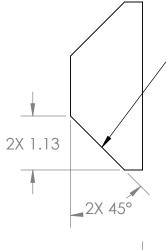
В

Please exercise caution when cutting chamfer. If you feel the cut is too dangerous, cut a simplified 4.75" x 24" piece of plywood. Both versions will be able to represent the assembly, but the chamfered will be closer to the real design.

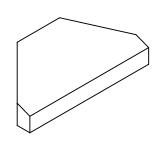
Notes:

Material: 1/2" AC Plywood QTY. Needed: 1

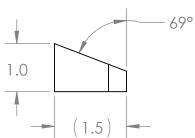
			UNLESS OTHERWISE SPECIFIED:		NAME	DATE	FIRST. ROBOTICS SS SOLIDWORKS
			DIMENSIONS ARE IN INCHES	DRAWN			COMPETITION Modeling Solutions Partner
			TOLERANCES: FRACTIONAL±1/16	CHECKED			TITLE:
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			THREE PLACE DECIMAL ±.001	MFG APPR.			
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TERMISSION OF PROPERTY.	APPLI	CATION	DO NOT SCALE DRAWING				SCALE: 1:2 WEIGHT: SHEET 1 OF 1

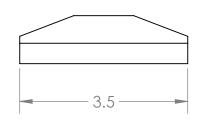


Please use caution when making chamfers. If you are unable to make this part, it may be omitted. It's a nice-to-have, not mandatory.



В





Notes:

Material: 2" x 4" Pine Lumber QTY. Needed: 2

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			DIMENSIONS ARE IN INCHES	DRAWN			COMPETITION Modeling Solutions Partner
			TOLERANCES: FRACTIONAL±1/16	CHECKED			TITLE:
			ANGULAR: MACH±1° BEND ±1° TWO PLACE DECIMAL ±.01	ENG APPR.			
			THREE PLACE DECIMAL ±.001	MFG APPR.			
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