

Instructions to build the ULTIMATE Carpetball Table

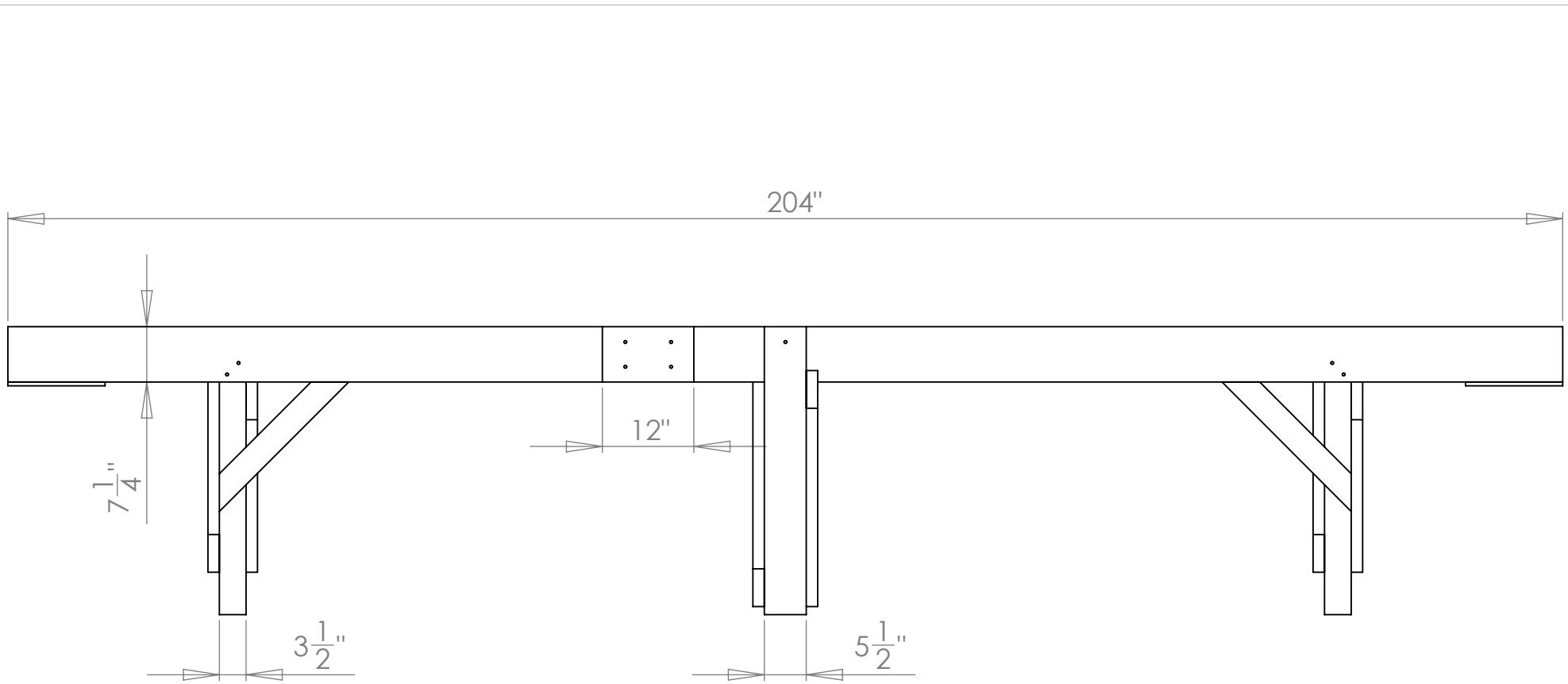


All plans (c) Matthew Campbell 2011
 Email: matthew.campbell@stanford.edu
 Web: www.mccampbell.info/carpetball/

		UNLESS OTHERWISE SPECIFIED:	NAME	DATE	Matthew Campbell
		DIMENSIONS ARE IN INCHES	DRAWN	12/18/08	TITLE: Carpetball Table
		TOLERANCES:	CHECKED		
		FRACTIONAL $\pm 1/32$	ENG APPR.		
		ANGULAR: MACH $\pm 0.5^\circ$ BEND $\pm 1.0^\circ$	MFG APPR.		
		TWO PLACE DECIMAL ± 0.01			SIZE DWG. NO. REV
		THREE PLACE DECIMAL ± 0.005			A TableInstructions
		INTERPRET GEOMETRIC TOLERANCING PER ASME Y14.5			SCALE: 1:20 WEIGHT: SHEET 1 OF 15
		MATERIAL			
		FINISH			
		DO NOT SCALE DRAWING			

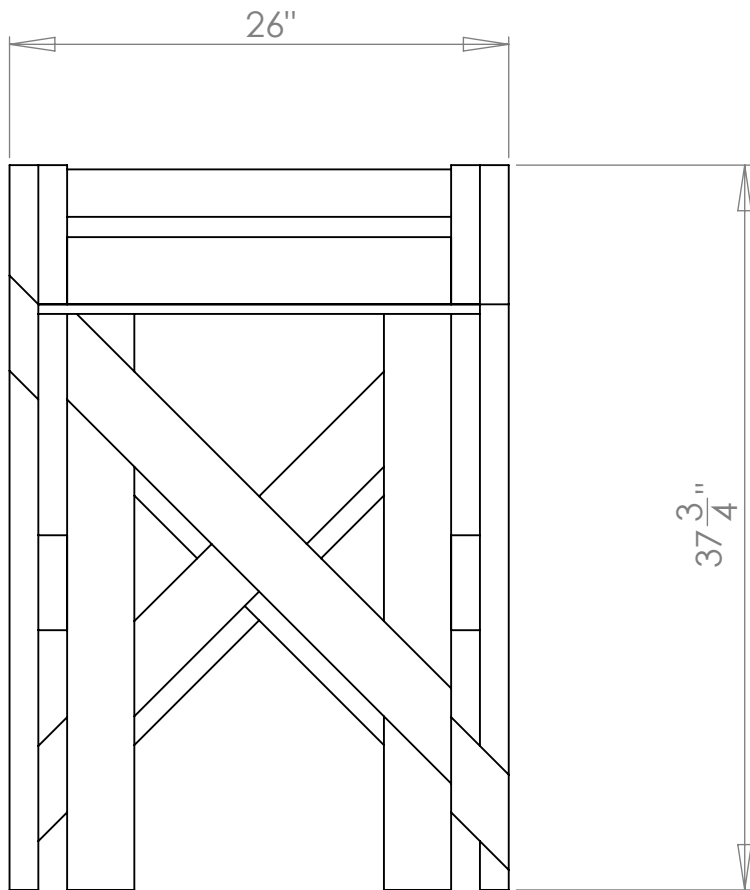
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		DIMENSIONS ARE IN INCHES		DRAWN		TITLE:	
		TOLERANCES:		CHECKED		Side View of Table	
		FRACTIONAL $\pm 1/32$		ENG APPR.		SIZE DWG. NO. REV	
		ANGULAR: MACH $\pm 0.5^\circ$ BEND $\pm 1.0^\circ$		MFG APPR.		A TableInstructions	
		TWO PLACE DECIMAL ± 0.01				SCALE: 1:20 WEIGHT: SHEET 2 OF 15	
		THREE PLACE DECIMAL ± 0.005					
		INTERPRET GEOMETRIC TOLERANCING PER ASME Y14.5					
		MATERIAL					
		FINISH					
		DO NOT SCALE DRAWING					
APPLICATION							



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		TOLERANCES:		CHECKED		Front View of Table	
		FRACTIONAL ±1/32		ENG APPR.		SIZE DWG. NO. REV	
		ANGULAR: MACH ±0.5° BEND ±1.0°		MFG APPR.		A TableInstructions	
		TWO PLACE DECIMAL ±0.01				SCALE: 1:10 WEIGHT: SHEET 3 OF 15	
		THREE PLACE DECIMAL ±0.005					
		INTERPRET GEOMETRIC TOLERANCING PER ASME Y14.5					
		MATERIAL					
		FINISH					
		DO NOT SCALE DRAWING					
APPLICATION							

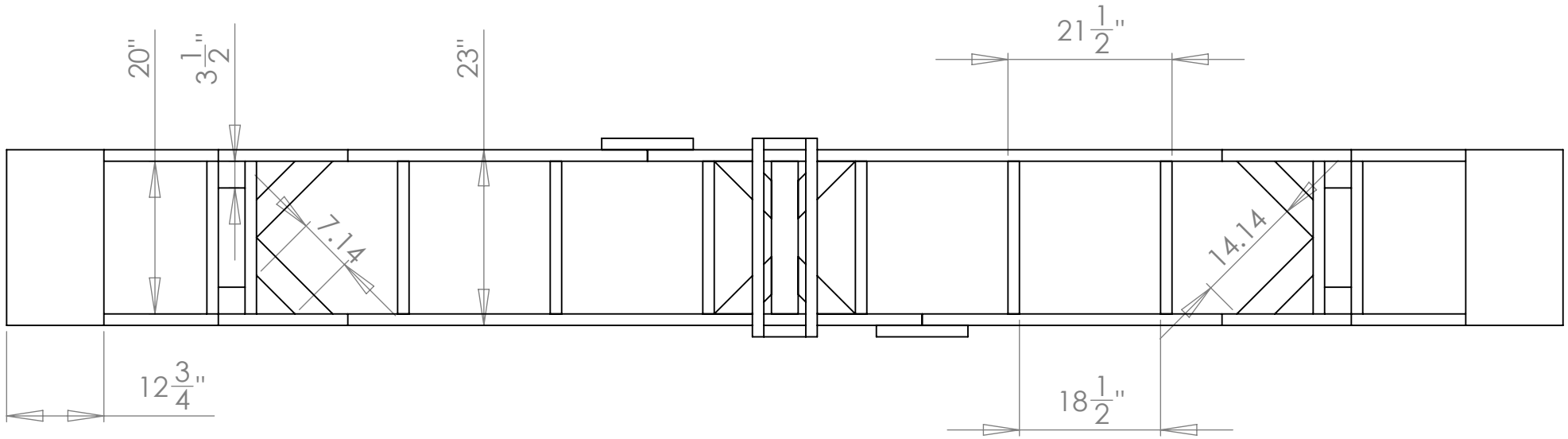
5

4

3

2

1



$$7.14 = 7\frac{1}{8}$$

$$14.14 = 14\frac{1}{8}$$

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 DIMENSIONS ARE IN INCHES
 TOLERANCES:
 FRACTIONAL $\pm 1/32$
 ANGULAR: MACH $\pm 0.5^\circ$ BEND $\pm 1.0^\circ$
 TWO PLACE DECIMAL ± 0.01
 THREE PLACE DECIMAL ± 0.005

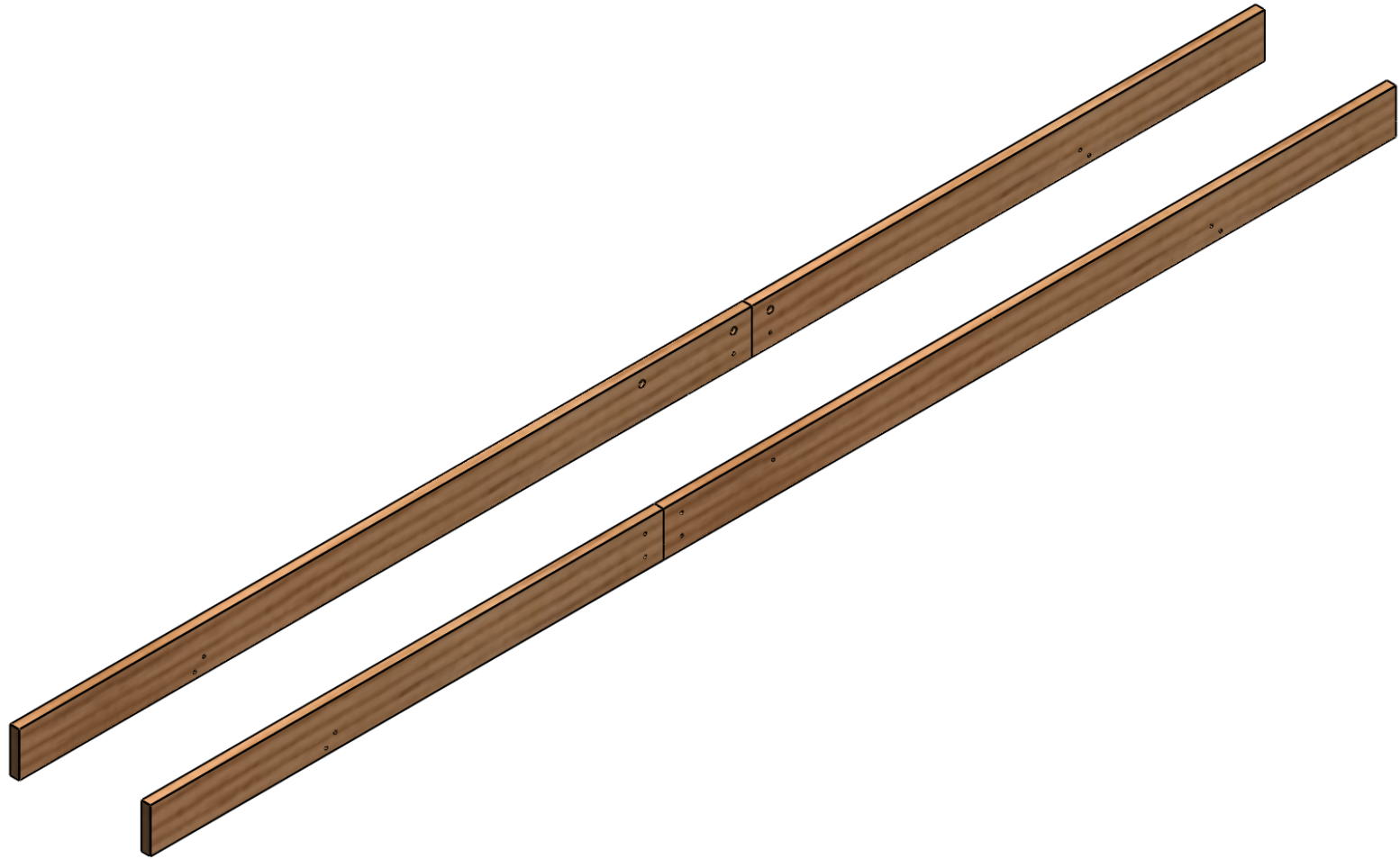
	NAME	DATE
DRAWN		
CHECKED		
ENG APPR.		
MFG APPR.		

Matthew Campbell

TITLE:
 Bottom View of Table

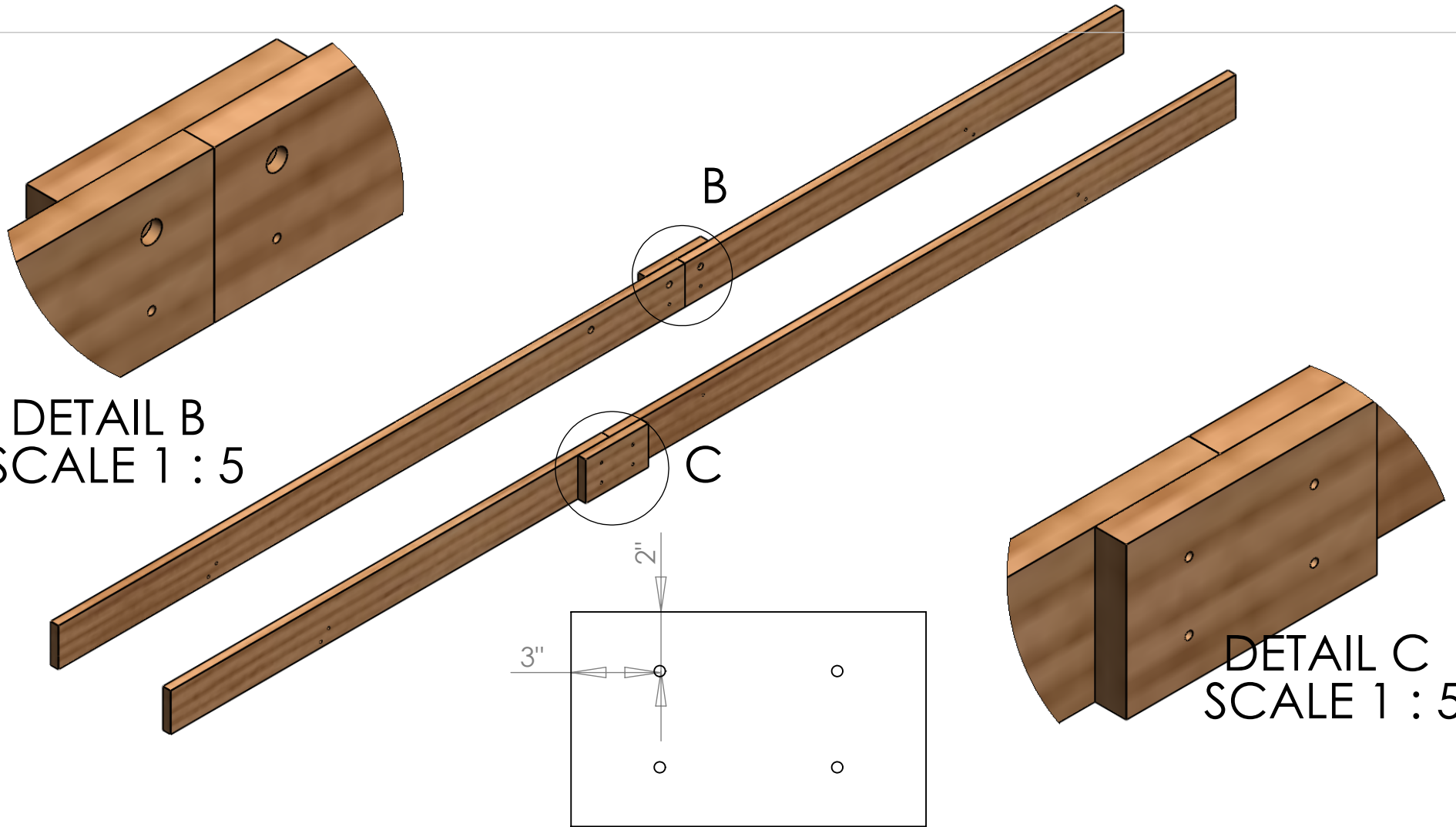
SIZE	DWG. NO.	REV
A	TableInstructions	

SCALE: 1:20 WEIGHT: SHEET 4 OF 15



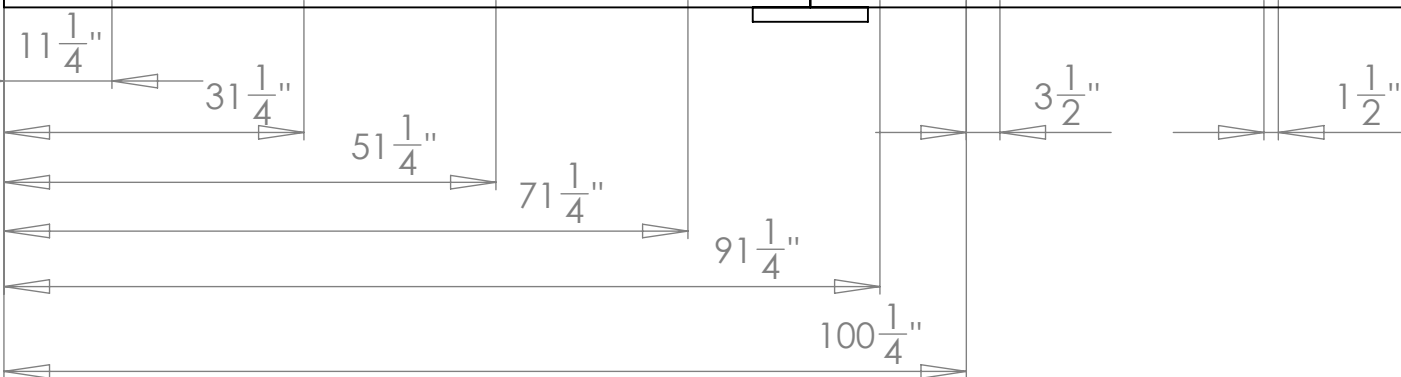
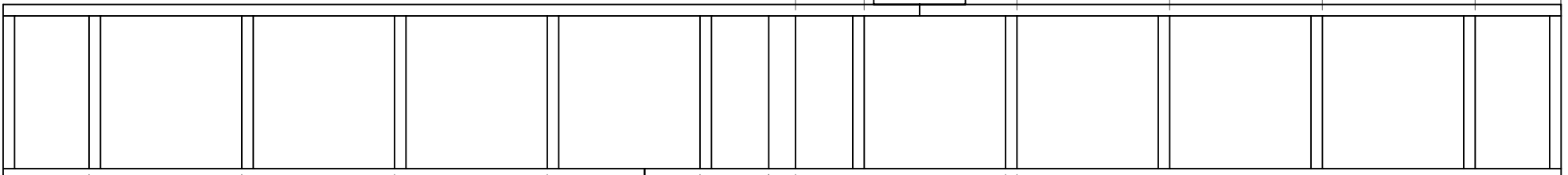
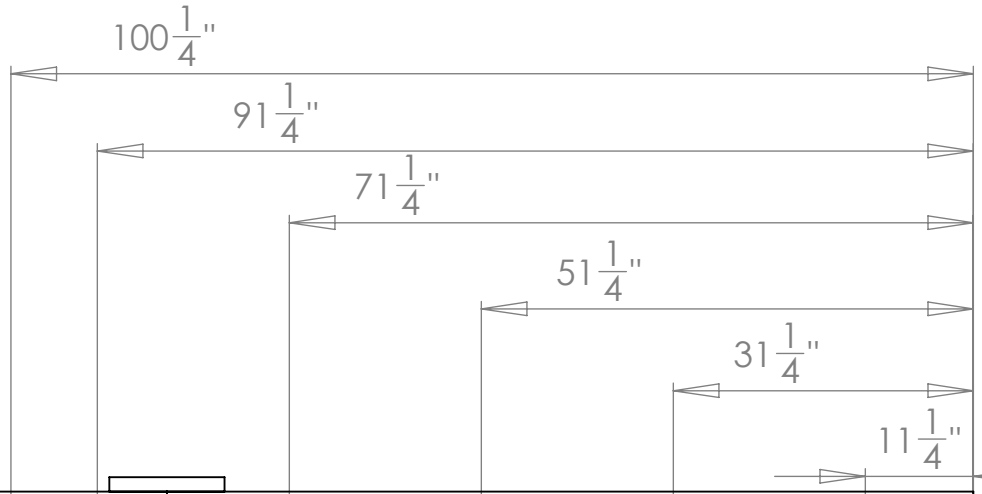
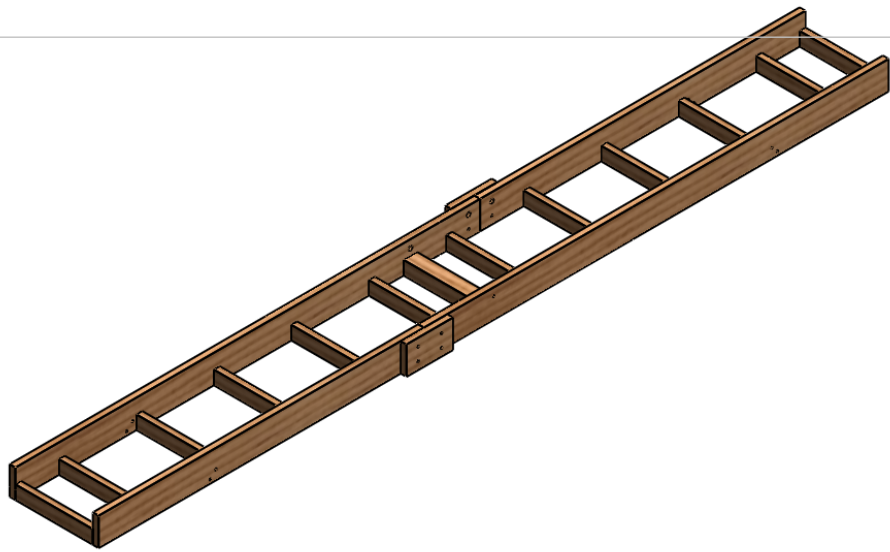
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		UNLESS OTHERWISE SPECIFIED:	NAME	DATE	Matthew Campbell	
		DIMENSIONS ARE IN INCHES	DRAWN		TITLE:	
		TOLERANCES:	CHECKED		Lay out side beams	
		FRACTIONAL $\pm 1/32$	ENG APPR.			
		ANGULAR: MACH $\pm 0.5^\circ$ BEND $\pm 1.0^\circ$	MFG APPR.			
		TWO PLACE DECIMAL ± 0.01				
		THREE PLACE DECIMAL ± 0.005				
		INTERPRET GEOMETRIC TOLERANCING PER ASME Y14.5			SIZE	DWG. NO.
		MATERIAL			A	TableInstructions
		FINISH				REV
		DO NOT SCALE DRAWING			SCALE: 1:20	WEIGHT:
		APPLICATION				SHEET 5 OF 15



		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	Matthew Campbell
		DIMENSIONS ARE IN INCHES		DRAWN		TITLE:
		TOLERANCES:		CHECKED		Connect side beams
		FRACTIONAL $\pm 1/32$		ENG APPR.		
		ANGULAR: MACH $\pm 0.5^\circ$ BEND $\pm 1.0^\circ$		MFG APPR.		
		TWO PLACE DECIMAL ± 0.01				
		THREE PLACE DECIMAL ± 0.005				
		INTERPRET GEOMETRIC TOLERANCING PER ASME Y14.5				
		MATERIAL				
		FINISH				
		DO NOT SCALE DRAWING				
SIZE	DWG. NO.			REV		
A	TableInstructions					
SCALE: 1:20		WEIGHT:		SHEET 6 OF 15		

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DIMENSIONS ARE IN INCHES
 TOLERANCES:
 FRACTIONAL $\pm 1/32$
 ANGULAR: MACH $\pm 0.5^\circ$ BEND $\pm 1.0^\circ$
 TWO PLACE DECIMAL ± 0.01
 THREE PLACE DECIMAL ± 0.005

INTERPRET GEOMETRIC TOLERANCING PER ASME Y14.5-2009
 MATERIAL FINISH USED ON DO NOT SCALE DRAWING

NAME DATE

DRAWN
 CHECKED
 ENG APPR.
 MFG APPR.

Matthew Campbell

TITLE:
 Lay out bottom cross beams

SIZE DWG. NO. REV
A TableInstructions

SCALE: 1:20 WEIGHT: SHEET 7 OF 15

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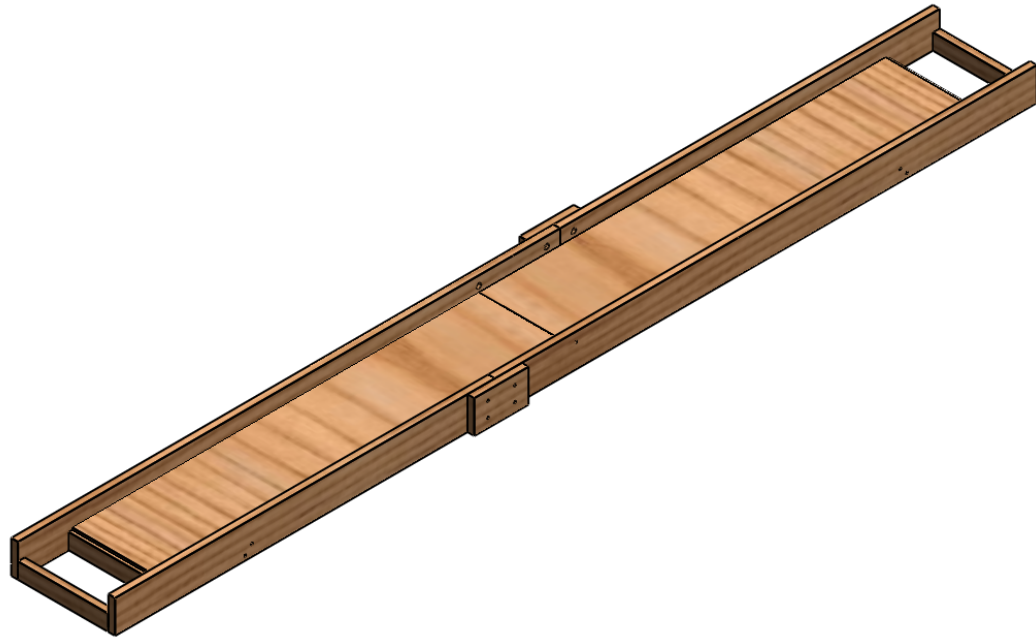
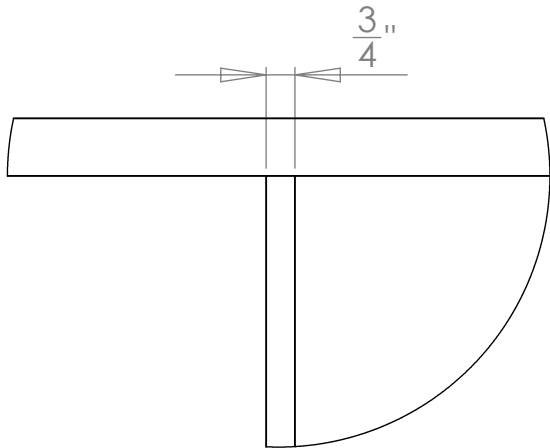
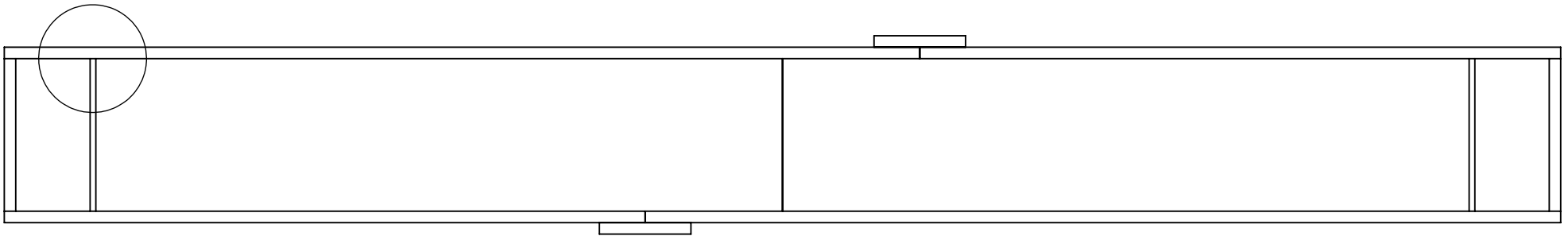
4

3

2

1

G



DETAIL G
SCALE 1 : 5

UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL $\pm 1/32$
ANGULAR: MACH $\pm 0.5^\circ$ BEND $\pm 1.0^\circ$
TWO PLACE DECIMAL ± 0.01
THREE PLACE DECIMAL ± 0.005

INTERPRET GEOMETRIC
TOLERANCING PER
MATERIAL

NAME

DATE

Matthew Campbell

TITLE:

Place long plywood

SIZE

DWG. NO.

REV

A TableInstructions

SCALE: 1:20 WEIGHT:

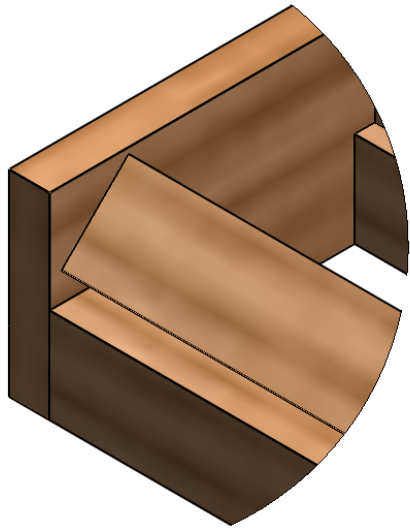
SHEET 8 OF 15

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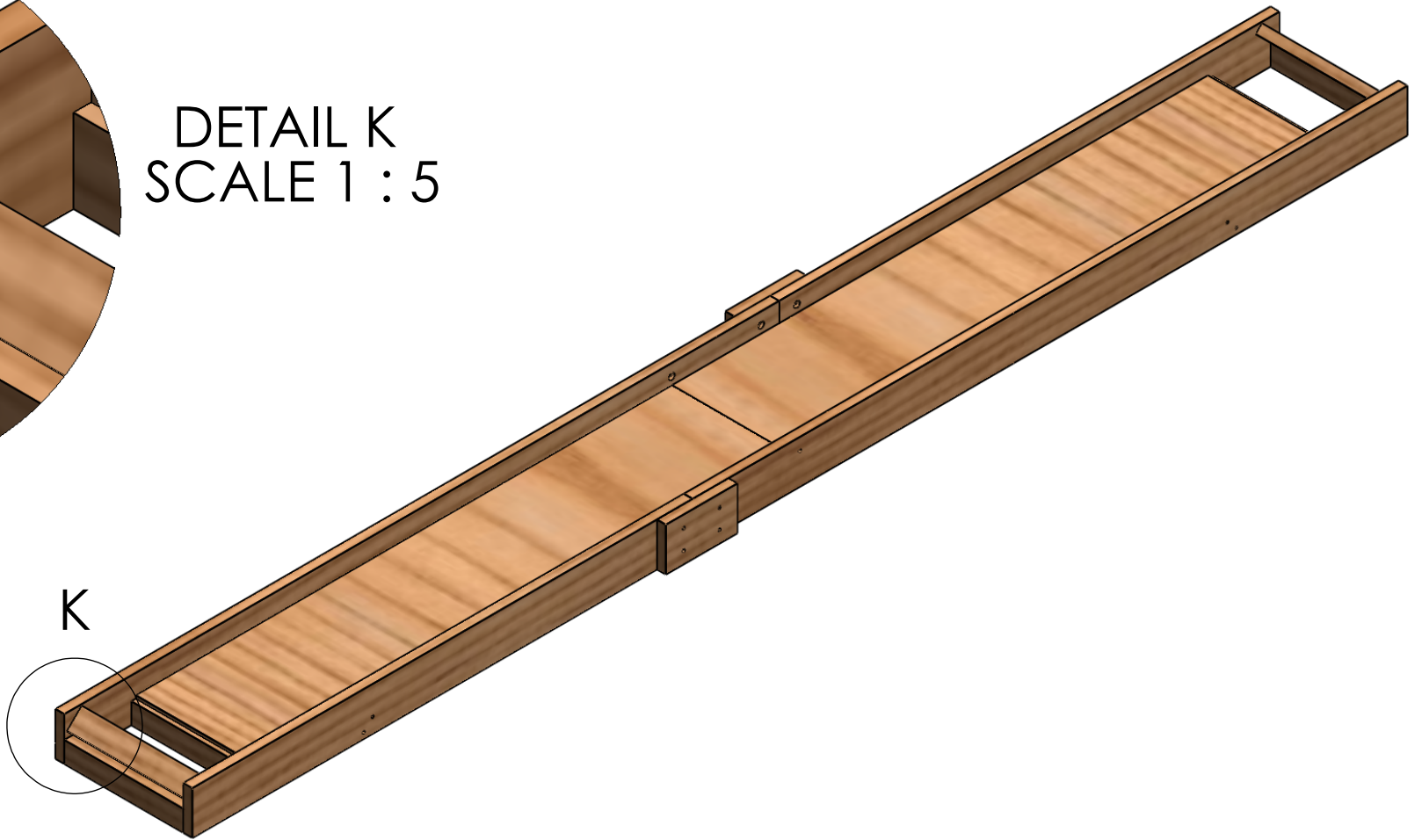
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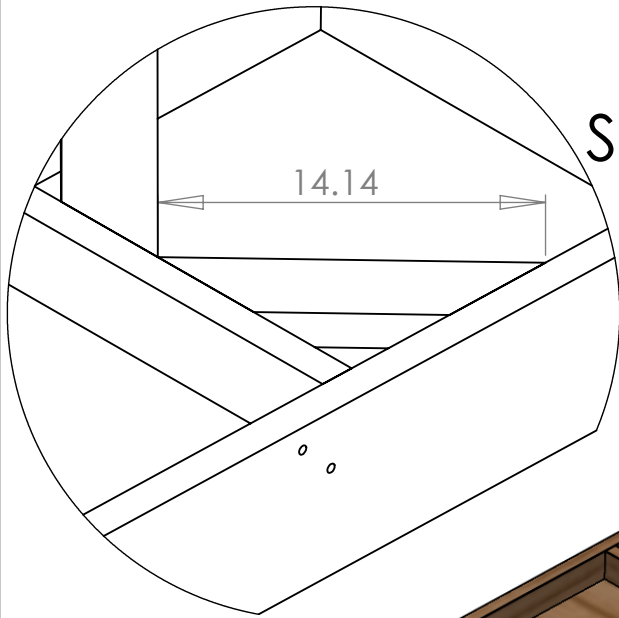
DETAIL K
SCALE 1 : 5



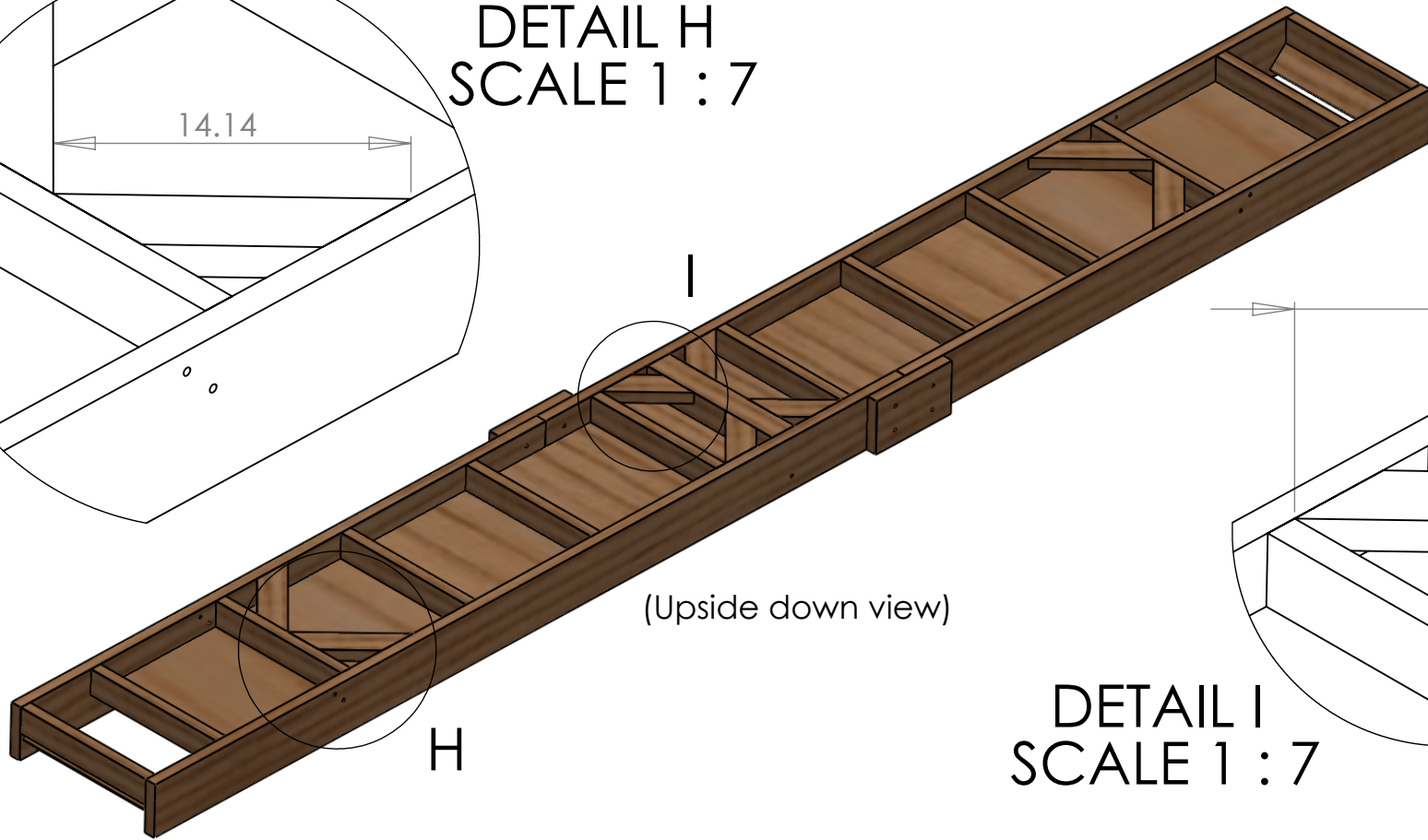
K

		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	Matthew Campbell	
		DIMENSIONS ARE IN INCHES		DRAWN		TITLE:	
		TOLERANCES:		CHECKED		Add end ball stop 2x4 beams	
		FRACTIONAL $\pm 1/32$		ENG APPR.			
		ANGULAR: MACH $\pm 0.5^\circ$ BEND $\pm 1.0^\circ$		MFG APPR.			
		TWO PLACE DECIMAL ± 0.01					
		THREE PLACE DECIMAL ± 0.005					
		INTERPRET GEOMETRIC TOLERANCING PER ASME Y14.5				SIZE	DWG. NO.
		MATERIAL				A	TableInstructions
		FINISH					REV
		DO NOT SCALE DRAWING				SCALE: 1:20	WEIGHT:
		APPLICATION					SHEET 9 OF 15

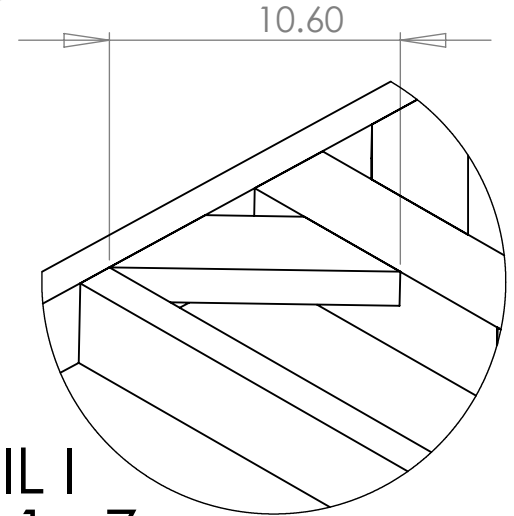
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DETAIL H
SCALE 1 : 7



(Upside down view)



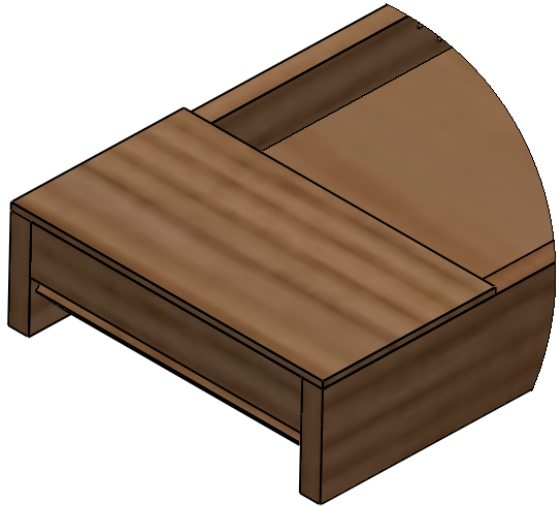
DETAIL I
SCALE 1 : 7

$$14.14 = 14\frac{1}{8}$$

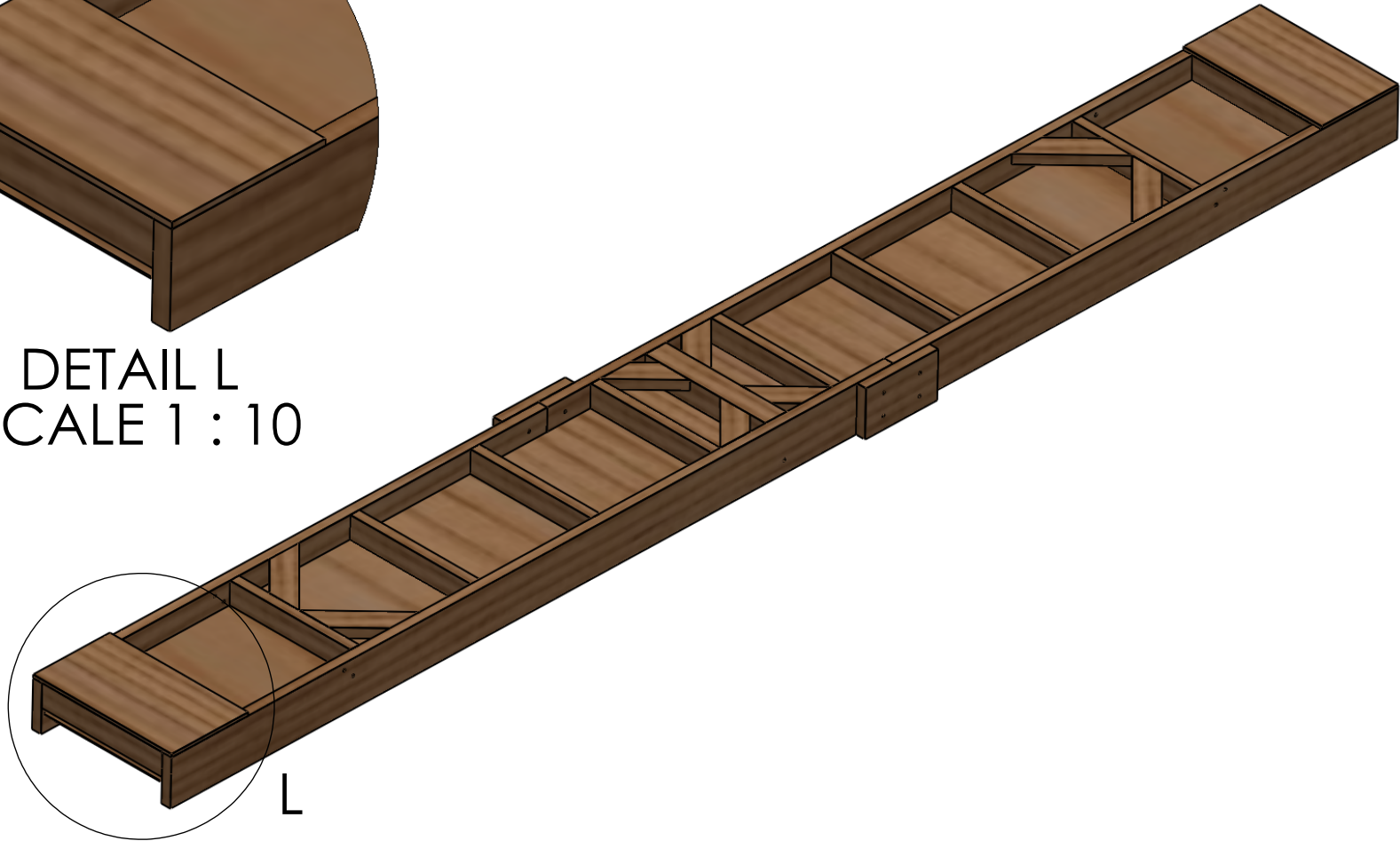
$$10.60 = 10\frac{5}{8}$$

		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	Matthew Campbell	
		DIMENSIONS ARE IN INCHES		DRAWN		TITLE:	
		TOLERANCES:		CHECKED		Add angle pieces	
		FRACTIONAL $\pm 1/32$		ENG APPR.		SIZE DWG. NO.	
		ANGULAR: MACH $\pm 0.5^\circ$ BEND $\pm 1.0^\circ$		MFG APPR.		A TableInstructions	
		TWO PLACE DECIMAL ± 0.01				REV	
		THREE PLACE DECIMAL ± 0.005				SCALE: 1:20 WEIGHT:	
		INTERPRET GEOMETRIC TOLERANCING PER ASME Y14.5				SHEET 10 OF 15	
		MATERIAL					
		FINISH					
		DO NOT SCALE DRAWING					

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DETAIL L
SCALE 1 : 10

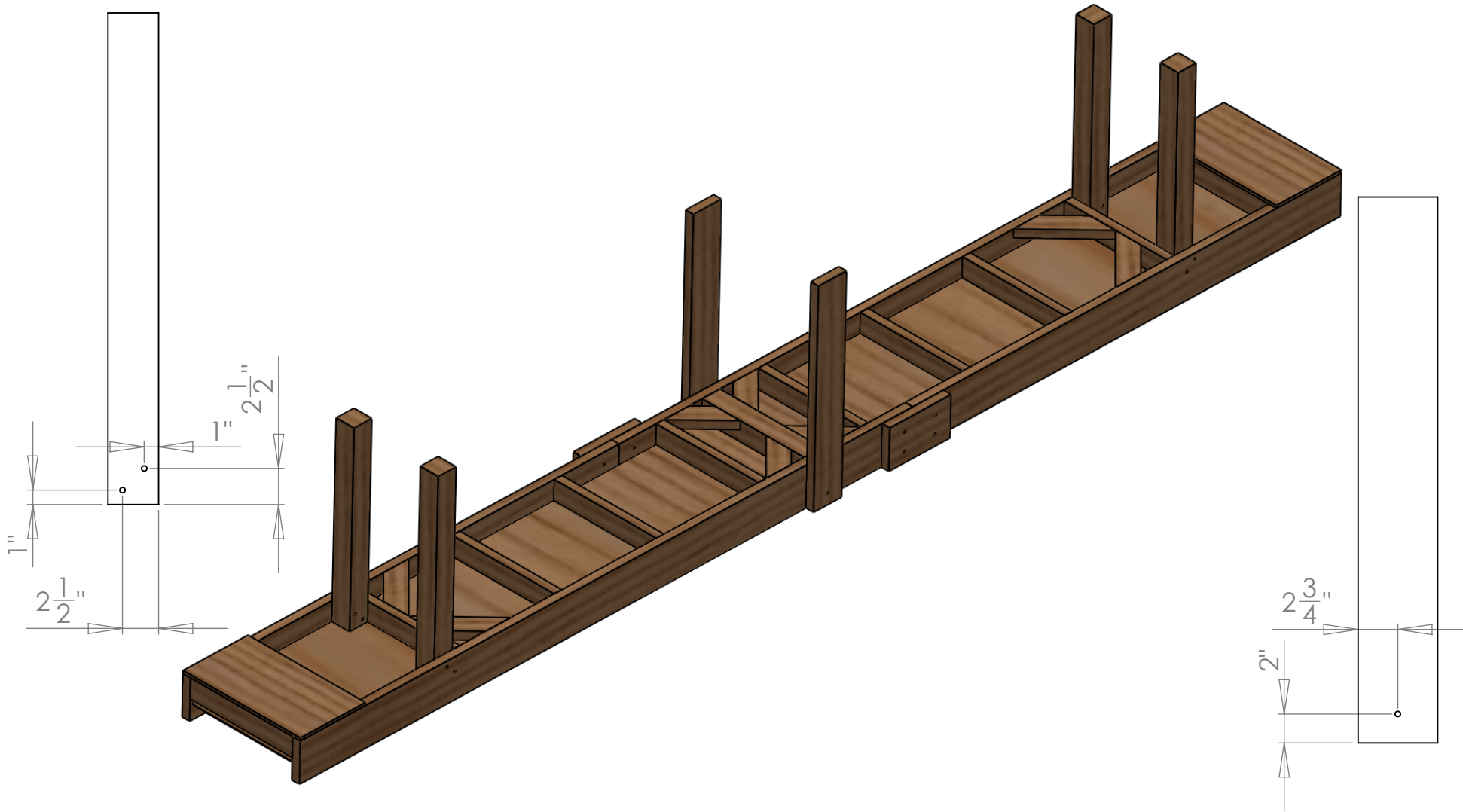


L

		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	Matthew Campbell	
		DIMENSIONS ARE IN INCHES	DRAWN			TITLE:	
		TOLERANCES:	CHECKED			Add end plywood	
		FRACTIONAL $\pm 1/32$	ENG APPR.			SIZE DWG. NO. REV	
		ANGULAR: MACH $\pm 0.5^\circ$ BEND $\pm 1.0^\circ$	MFG APPR.			A TableInstructions	
		TWO PLACE DECIMAL ± 0.01				SCALE: 1:20 WEIGHT: SHEET 11 OF 15	
		THREE PLACE DECIMAL ± 0.005					
		INTERPRET GEOMETRIC TOLERANCING PER ASME Y14.5					
		MATERIAL					
		FINISH					
		DO NOT SCALE DRAWING					
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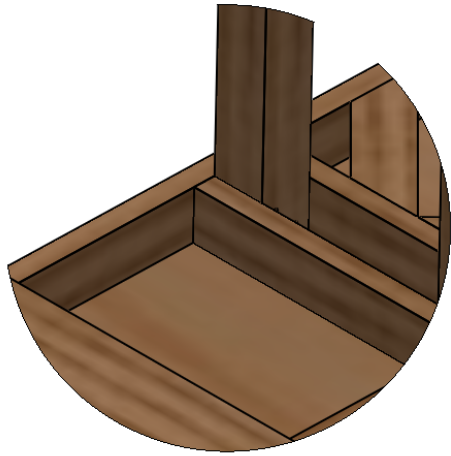
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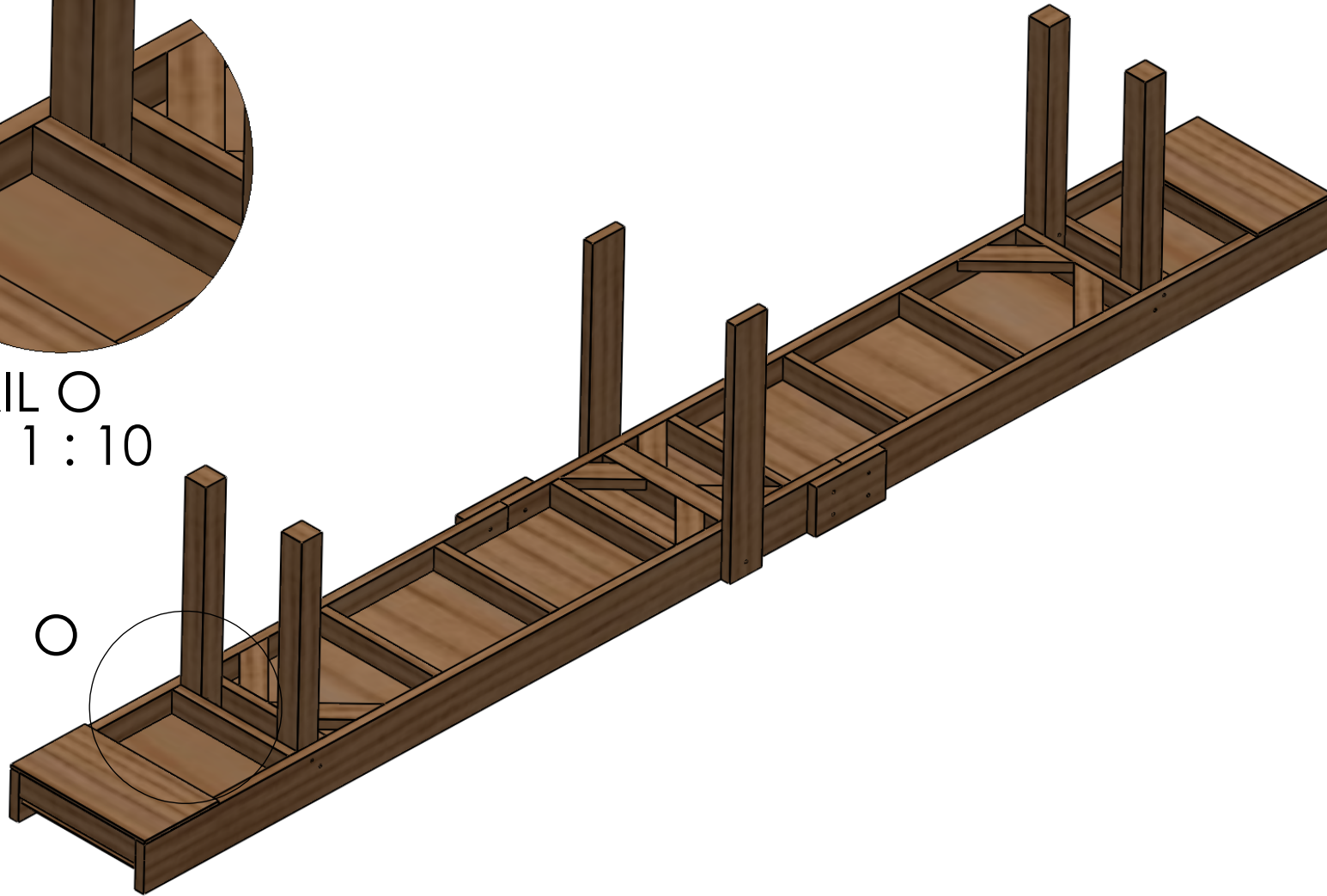
		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	Matthew Campbell	
		DIMENSIONS ARE IN INCHES		DRAWN		TITLE:	
		TOLERANCES:		CHECKED		Add end and middle legs	
		FRACTIONAL $\pm 1/32$		ENG APPR.		SIZE DWG. NO. REV	
		ANGULAR: MACH $\pm 0.5^\circ$ BEND $\pm 1.0^\circ$		MFG APPR.		A TableInstructions	
		TWO PLACE DECIMAL ± 0.01				SCALE: 1:20 WEIGHT: SHEET 12 OF 15	
		THREE PLACE DECIMAL ± 0.005					
		INTERPRET GEOMETRIC TOLERANCING PER ASME Y14.5					
		MATERIAL					
		FINISH					
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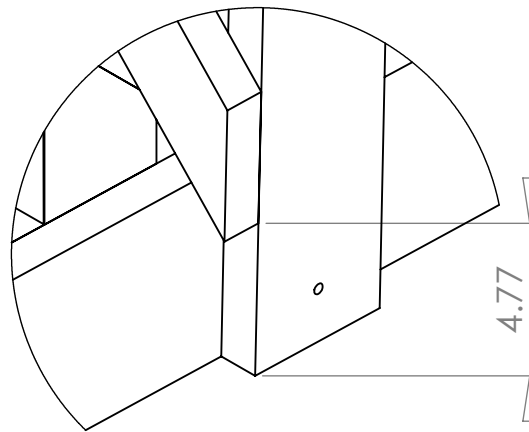
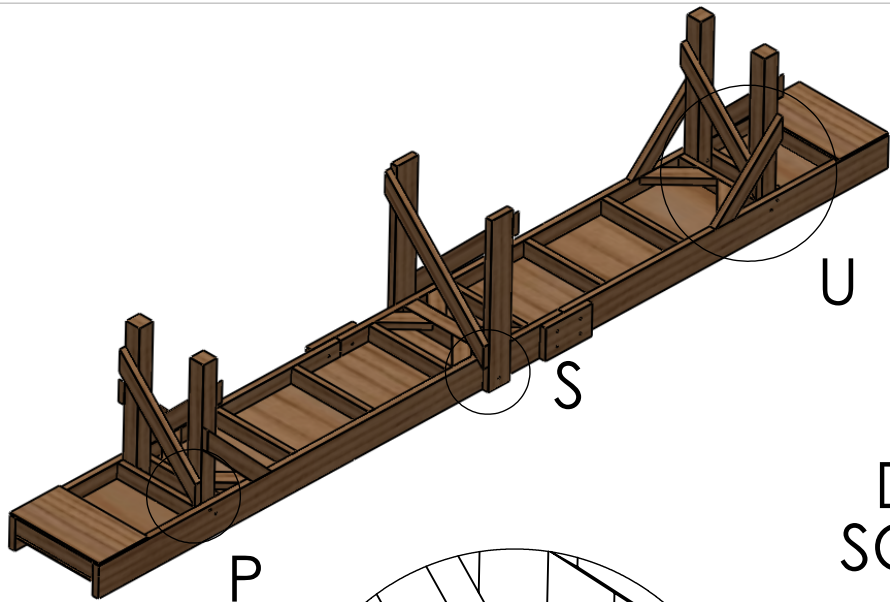
DETAIL O
SCALE 1 : 10



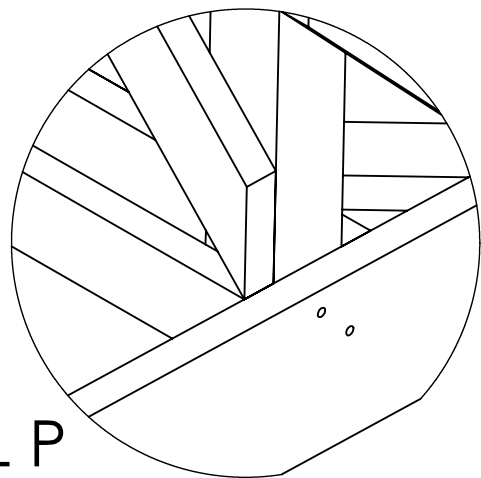
		UNLESS OTHERWISE SPECIFIED:	NAME	DATE	Matthew Campbell
		DIMENSIONS ARE IN INCHES	DRAWN		TITLE:
		TOLERANCES:	CHECKED		Place 2x4 leg support struts
		FRACTIONAL $\pm 1/32$	ENG APPR.		
		ANGULAR: MACH $\pm 0.5^\circ$ BEND $\pm 1.0^\circ$	MFG APPR.		
		TWO PLACE DECIMAL ± 0.01			
		THREE PLACE DECIMAL ± 0.005			
		INTERPRET GEOMETRIC TOLERANCING PER ASME Y14.5			
		MATERIAL			
		FINISH			
		DO NOT SCALE DRAWING			
SIZE	DWG. NO.			REV	
A	TableInstructions				
SCALE: 1:20	WEIGHT:			SHEET 13 OF 15	

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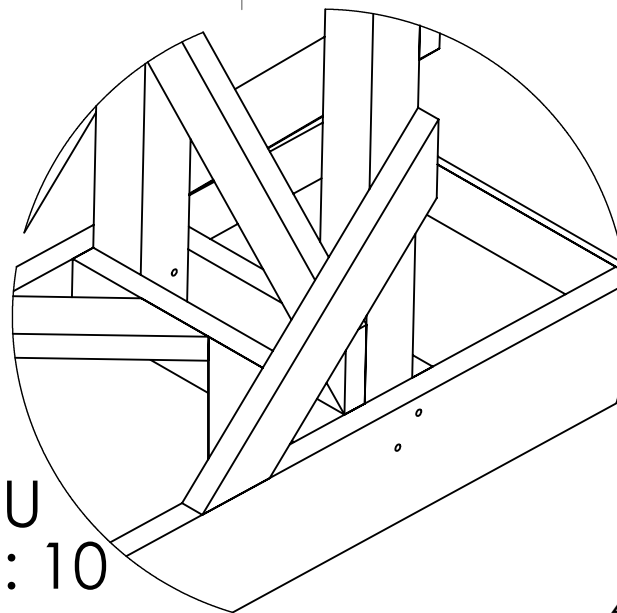
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DETAIL S
SCALE 1 : 6



DETAIL P
SCALE 1 : 7



DETAIL U
SCALE 1 : 10

$$4.77 = 4\frac{3}{4}$$

		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	Matthew Campbell	
		DIMENSIONS ARE IN INCHES		DRAWN		TITLE:	
		TOLERANCES:		CHECKED		Add leg supports	
		FRACTIONAL: $\pm 1/32$		ENG APPR.		SIZE DWG. NO. REV	
		ANGULAR: MACH $\pm 0.5^\circ$ BEND $\pm 1.0^\circ$		MFG APPR.		A TableInstructions	
		TWO PLACE DECIMAL ± 0.01				SCALE: 1:20 WEIGHT: SHEET 14 OF 15	
		THREE PLACE DECIMAL ± 0.005					
		INTERPRET GEOMETRIC TOLERANCING PER ASME Y14.5					
		MATERIAL					
		FINISH					
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	Matthew Campbell
		DIMENSIONS ARE IN INCHES	DRAWN			TITLE:
		TOLERANCES:	CHECKED			Varnish table, add carpet, draw on ball lines
		FRACTIONAL $\pm 1/32$	ENG APPR.			
		ANGULAR: MACH $\pm 0.5^\circ$ BEND $\pm 1.0^\circ$	MFG APPR.			
		TWO PLACE DECIMAL ± 0.01				
		THREE PLACE DECIMAL ± 0.005				
		INTERPRET GEOMETRIC TOLERANCING PER MATERIAL				
		FINISH				SIZE DWG. NO. REV
		DO NOT SCALE DRAWING				A TableInstructions
		APPLICATION				SCALE: 1:20 WEIGHT: SHEET 15 OF 15

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