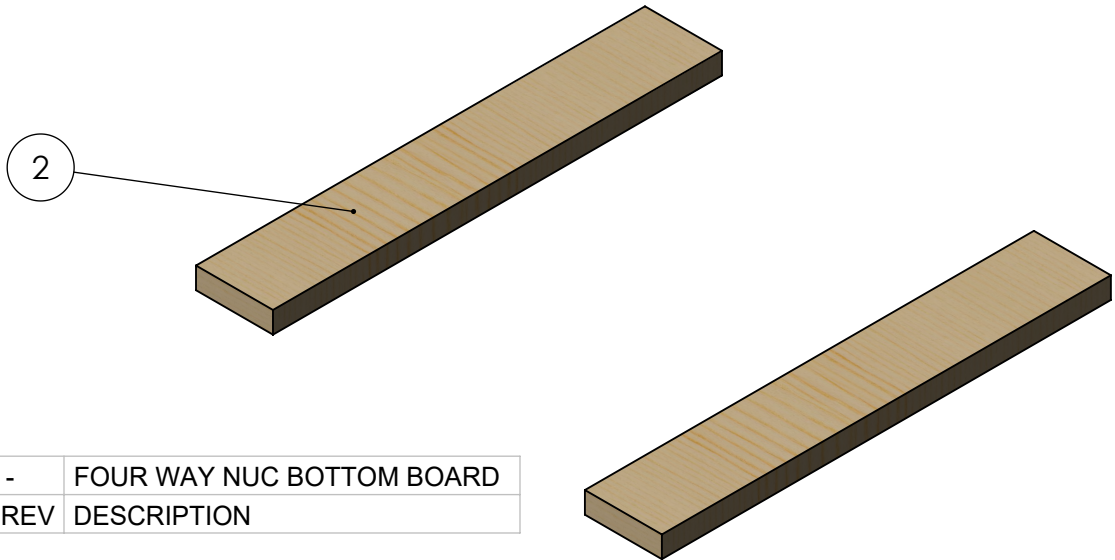
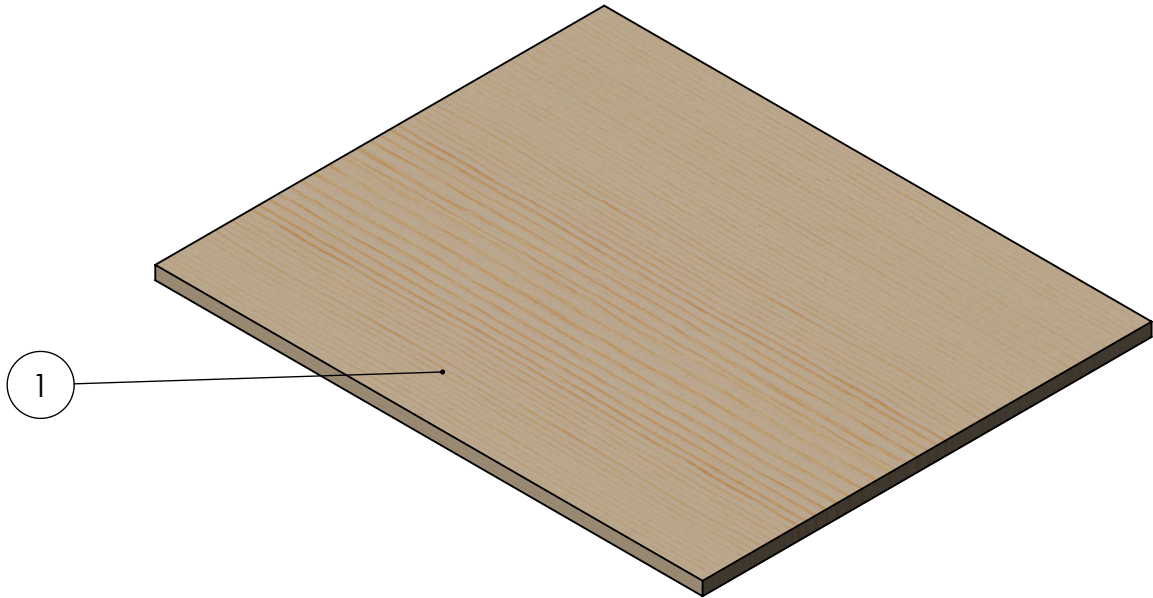
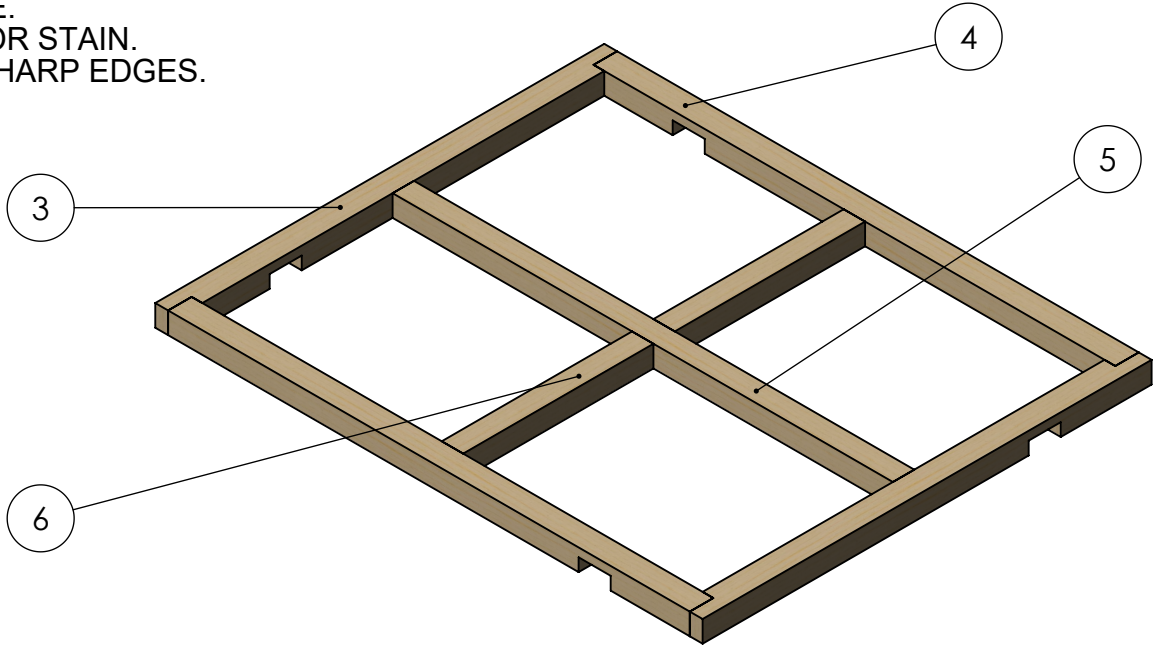
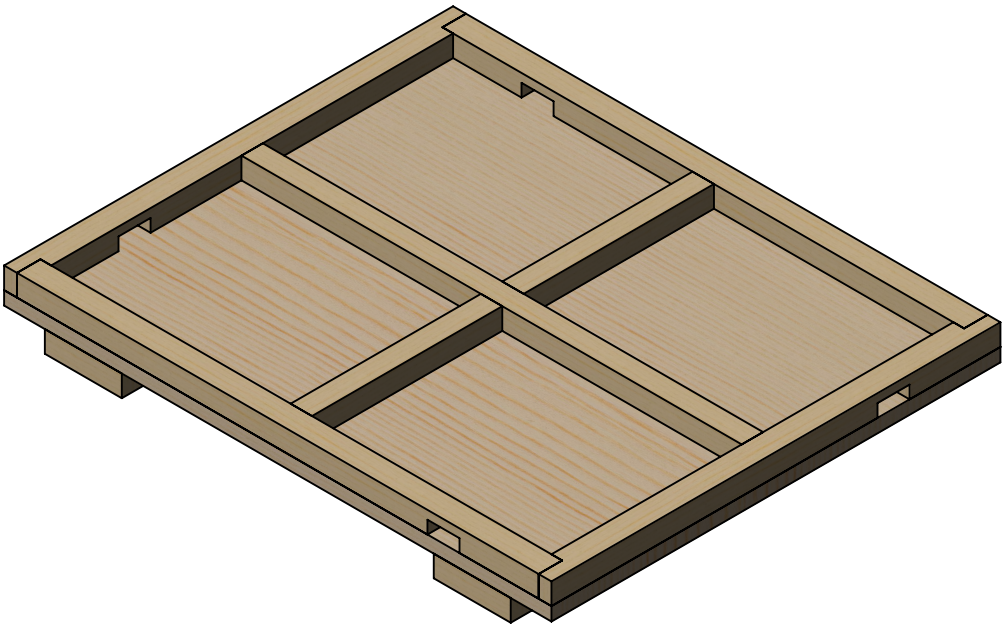


NOTES:
1. MATERIAL: PINE.
2. FINISH: PAINT OR STAIN.
3. REMOVE ALL SHARP EDGES.



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	1136M	BOTTOM BOARD	1
2	1135M	FOOT	2
3	1137M	FRONT_BACK ENTERANCE	2
4	1138M	SIDE ENTERANCE	2
5	1139M	LONG CENTER	1
6	1140M	SHORT CENTER	2



10033M	-	FOUR WAY NUC BOTTOM BOARD
PART NUMBER	REV	DESCRIPTION

UNLESS OTHERWISE SPECIFIED
DO NOT SCALE DRAWING
INTERPRET DIMENSIONS AND TOLERANCES
PER ASME Y14.5-2018
DIMENSIONS ARE IN MILLIMETERS

THIRD ANGLE PROJECTION



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CUSTOMER BEE KEEPERS	
PROJECT HIVE PRODUCTS	
DRAWN BY F. FULKERSON	DATE 2/22/2024
CHECKED BY P.G. KELLY	DATE 2/22/2024
APPROVED P.G. KELLY	DATE 2/22/2024



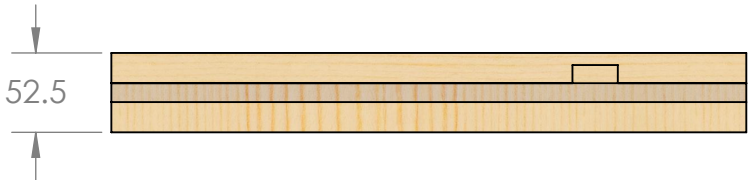
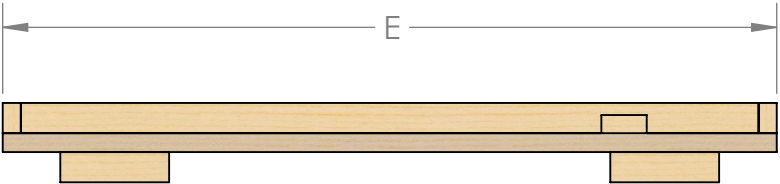
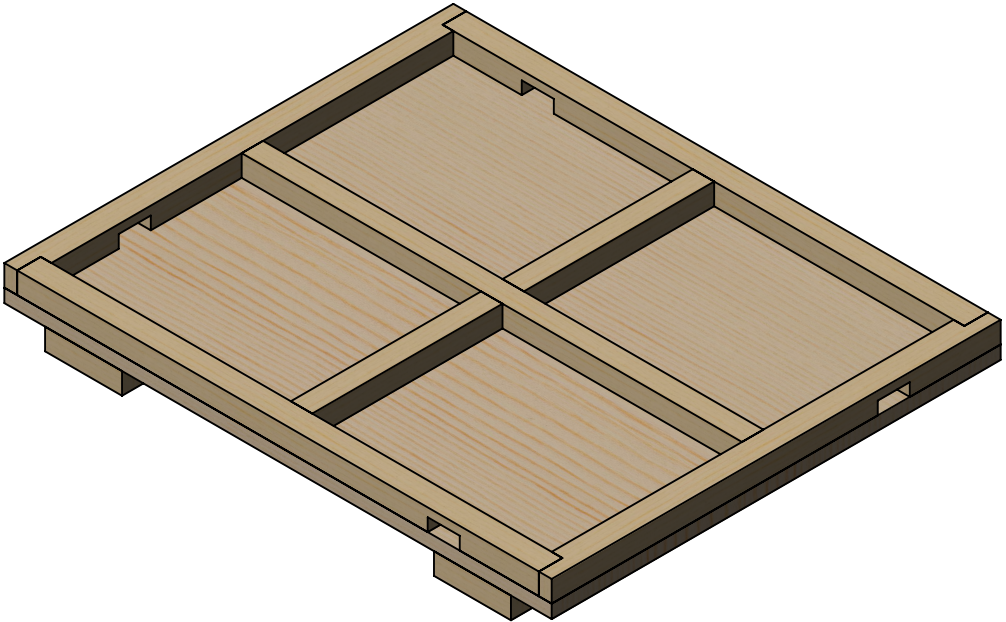
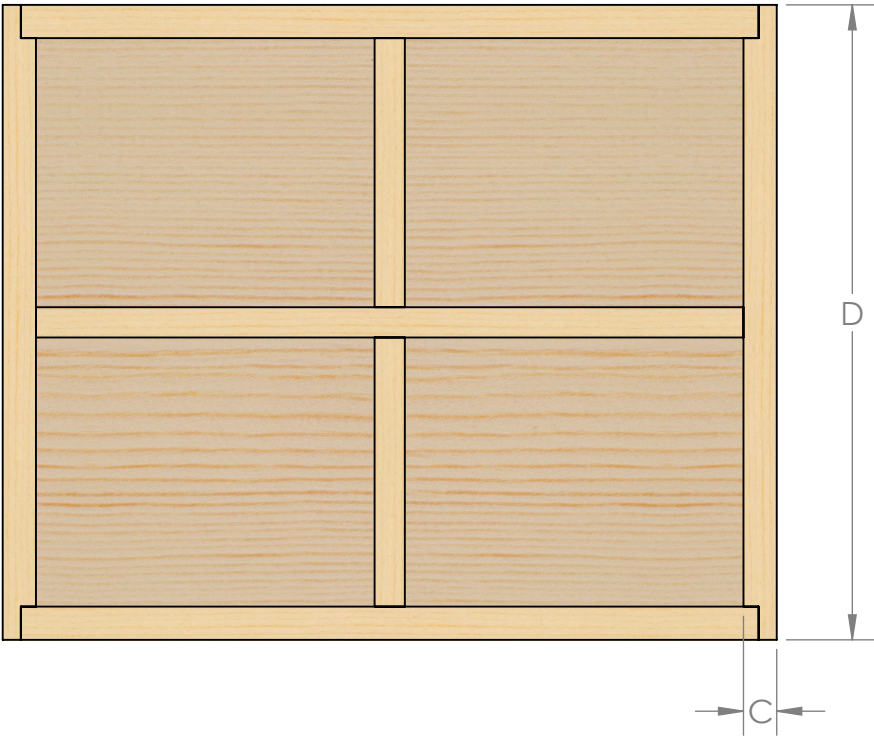
HONEY BEE RESEARCH CENTRE
THE UNIVERSITY OF GUELPH

FOUR WAY NUC BOTTOM BOARD



SIZE B	DRAWING NO.	REVISION
SCALE 1:5	WEIGHT 1692.17 g	10033M - SHEET 1 OF 7

NOTES:
1. MATERIAL: PINE.
2. FINISH: PAINT OR STAIN.
3. REMOVE ALL SHARP EDGES.

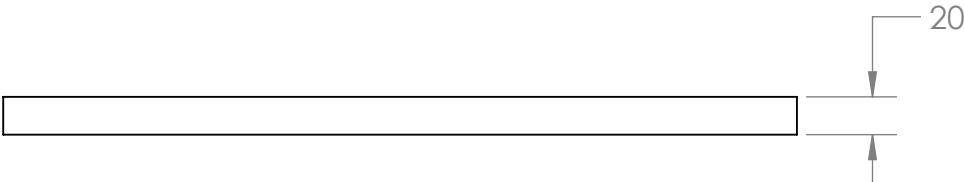
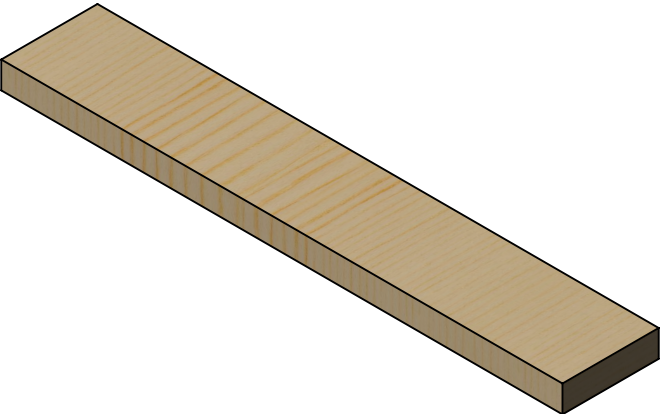
FEATURE	C = 19 mm	C = 20 mm	C = 22 mm	c = 24 mm	C = 25 mm
D (mm)	414	416	420	424	426
E (mm)	506	508	512	516	518



10033M	-	FOUR WAY NUC BOTTOM BOARD
PART NUMBER	REV	DESCRIPTION

<div>UNLESS OTHERWISE SPECIFIED</div> <div>DO NOT SCALE DRAWING</div> <div>INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5-2018</div> <div>DIMENSIONS ARE IN MILLIMETERS</div>		SolidWorks MAINTAINED DATA CHANGES SHALL BE INCORPORATED ELECTRONICALLY BY THE DESIGN ACTIVITY		<div></div> <div>HONEY BEE RESEARCH CENTRE THE UNIVERSITY OF GUELPH</div>		
		PROPRIETARY NO PART OF THIS DOCUMENT MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM, OR TRANSMITTED IN ANY FORM, WITHOUT WRITTEN PERMISSION.				
		CUSTOMER BEE KEEPERS				
<div>THIRD ANGLE PROJECTION</div> <div></div>		PROJECT HIVE PRODUCTS		<div>TITLE</div> <div>FOUR WAY NUC BOTTOM BOARD</div>		
		DRAWN BY F. FULKERSON				DATE 2/22/2024
		CHECKED BY P.G. KELLY				DATE 2/22/2024
		APPROVED P.G. KELLY				DATE 2/22/2024
		SIZE	DRAWING NO	REVISION		
		B		10033M -		
		SCALE	1:5	WEIGHT	1692.17 g	
				SHEET 2 OF 7		

- NOTES:
- 1. MATERIAL: Pine.
 - 2. FINISH: PAINT OR STAIN.
 - 3. REMOVE ALL SHARP EDGES.



1135M		FOOT
PART NUMBER	REV	DESCRIPTION

UNLESS OTHERWISE SPECIFIED

DO NOT SCALE DRAWING

INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5-2018

DIMENSIONS ARE IN MILLIMETERS

THIRD ANGLE PROJECTION

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CUSTOMER	BEE KEEPERS		
PROJECT	HIVE PRODUCTS		
DRAWN BY	F. FULKERSON	DATE	2/22/2024
CHECKED BY	P.G. KELLY	DATE	2/22/2024
APPROVED	P.G. KELLY	DATE	2/22/2024

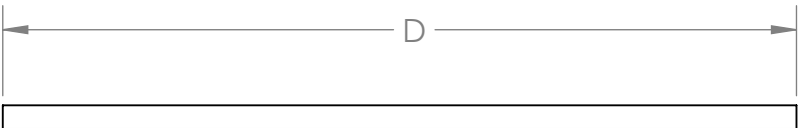
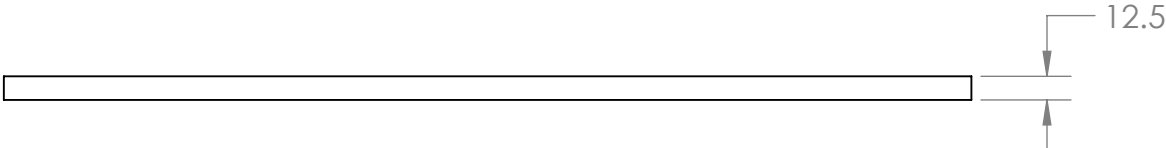
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THE UNIVERSITY OF GUELPH

TITLE

FOOT

SIZE	DRAWING NO		REVISION
B			10033M -
SCALE	1:4	WEIGHT	205.63 g
SHEET 3 OF 7			

- NOTES:
- 1. MATERIAL: Plywood.
 - 2. FINISH: PAINT OR STAIN.
 - 3. REMOVE ALL SHARP EDGES.



1136M		BOTTOM BOARD
PART NUMBER	REV	DESCRIPTION

UNLESS OTHERWISE SPECIFIED

DO NOT SCALE DRAWING

INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5-2018

DIMENSIONS ARE IN MILLIMETERS

THIRD ANGLE PROJECTION

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CUSTOMER	BEE KEEPERS		
PROJECT	HIVE PRODUCTS		
DRAWN BY	F. FULKERSON	DATE	2/22/2024
CHECKED BY	P.G. KELLY	DATE	2/22/2024
APPROVED	P.G. KELLY	DATE	2/22/2024

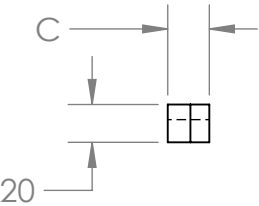
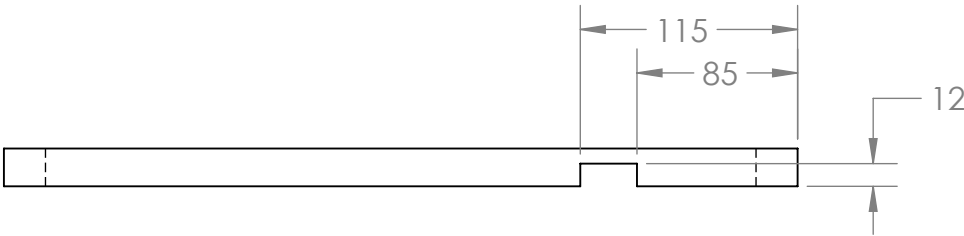
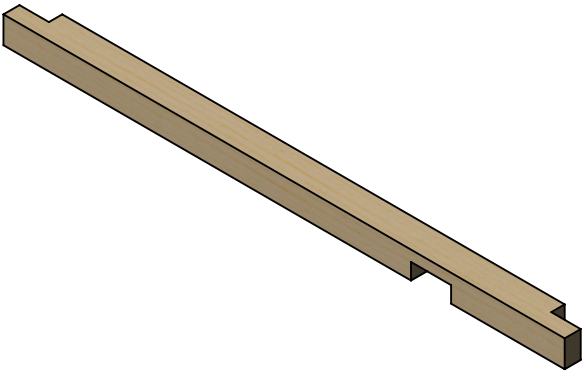
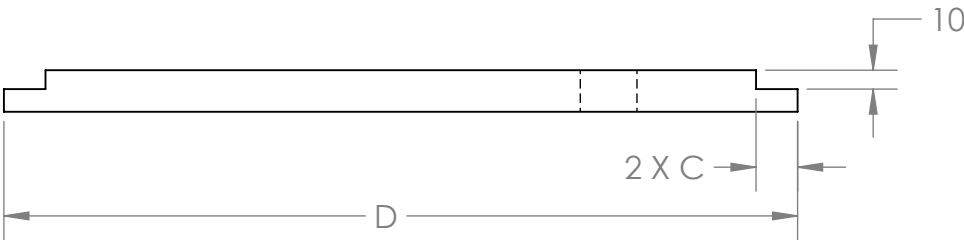
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TITLE

BOTTOM BOARD

SIZE	DRAWING NO	REVISION
B		10033M -
SCALE	1:4	WEIGHT 913.92 g
SHEET 4 OF 7		

- NOTES:
- 1. MATERIAL: Pine.
 - 2. FINISH: PAINT OR STAIN.
 - 3. REMOVE ALL SHARP EDGES.



1137M	-	FRONT_BACK ENTERANCE
PART NUMBER	REV	DESCRIPTION

UNLESS OTHERWISE SPECIFIED

DO NOT SCALE DRAWING

INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5-2018

DIMENSIONS ARE IN MILLIMETERS

THIRD ANGLE PROJECTION

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CUSTOMER
BEE KEEPERS

PROJECT
HIVE PRODUCTS

DRAWN BY F. FULKERSON	DATE 2/22/2024
CHECKED BY P.G. KELLY	DATE 2/22/2024
APPROVED P.G. KELLY	DATE 2/22/2024

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THE UNIVERSITY OF GUELPH

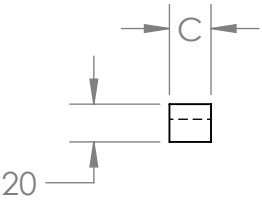
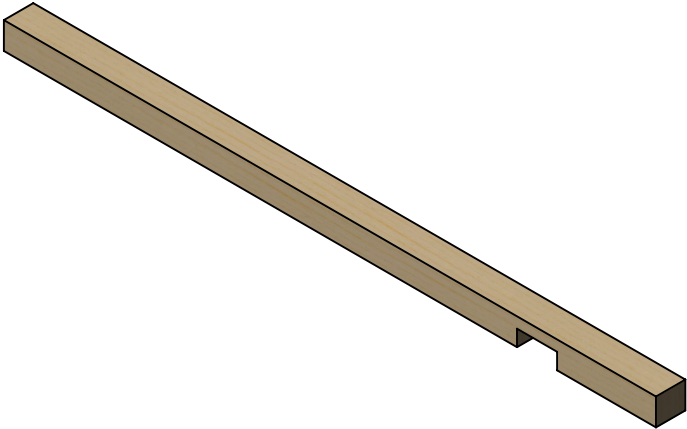
TITLE

FRONT_BACK ENTERANCE

SIZE B	DRAWING NO	REVISION
SCALE 1:4	WEIGHT 57.15 g	10033M -

SHEET 5 OF 7

- NOTES:
- 1. MATERIAL: Pine.
 - 2. FINISH: PAINT OR STAIN.
 - 3. REMOVE ALL SHARP EDGES.



1138M	-	SIDE ENTERANCE
PART NUMBER	REV	DESCRIPTION

UNLESS OTHERWISE SPECIFIED

DO NOT SCALE DRAWING

INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5-2018

DIMENSIONS ARE IN MILLIMETERS

THIRD ANGLE PROJECTION

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CUSTOMER
BEE KEEPERS

PROJECT
HIVE PRODUCTS

DRAWN BY F. FULKERSON	DATE 2/22/2024
CHECKED BY P.G. KELLY	DATE 2/22/2024
APPROVED P.G. KELLY	DATE 2/22/2024

HONEY BEE RESEARCH CENTRE
THE UNIVERSITY OF GUELPH

TITLE

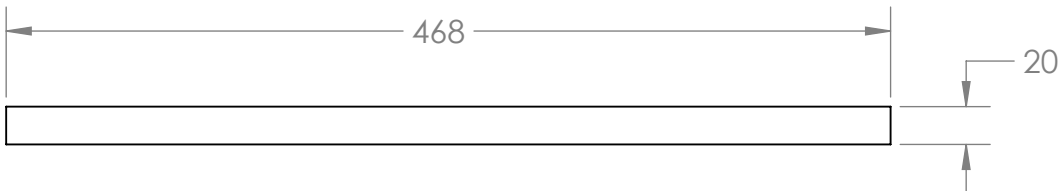
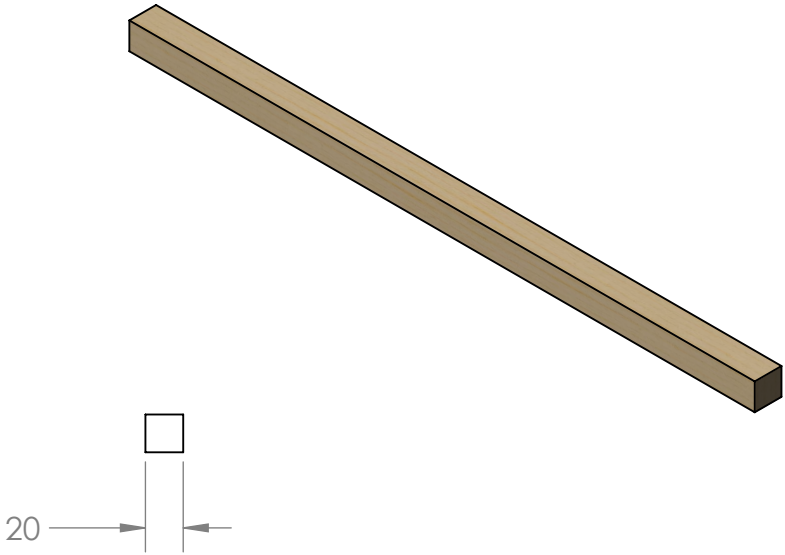
SIDE ENTERANCE

SIZE B	DRAWING NO.	REVISION
SCALE 1:4	WEIGHT 70.31 g	10033M -
SHEET 6 OF 7		

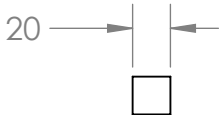
- NOTES:
- 1. MATERIAL: Pine.
 - 2. FINISH: PAINT OR STAIN.
 - 3. REMOVE ALL SHARP EDGES.



SHORT CENTER



LONG CENTER




1139M	-	LONG CENTER
PART NUMBER	REV	DESCRIPTION

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THIRD ANGLE PROJECTION



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CUSTOMER BEE KEEPERS	
PROJECT HIVE PRODUCTS	
DRAWN BY F. FULKERSON	DATE 2/22/2024
CHECKED BY P.G. KELLY	DATE 2/22/2024
APPROVED P.G. KELLY	DATE 2/22/2024

		HONEY BEE RESEARCH CENTRE THE UNIVERSITY OF GUELPH	
TITLE		LONG CENTER	
SIZE	DRAWING NO	REVISION	
B		10033M	-
SCALE	1:4	WEIGHT	63.65 g
SHEET 7 OF 7			