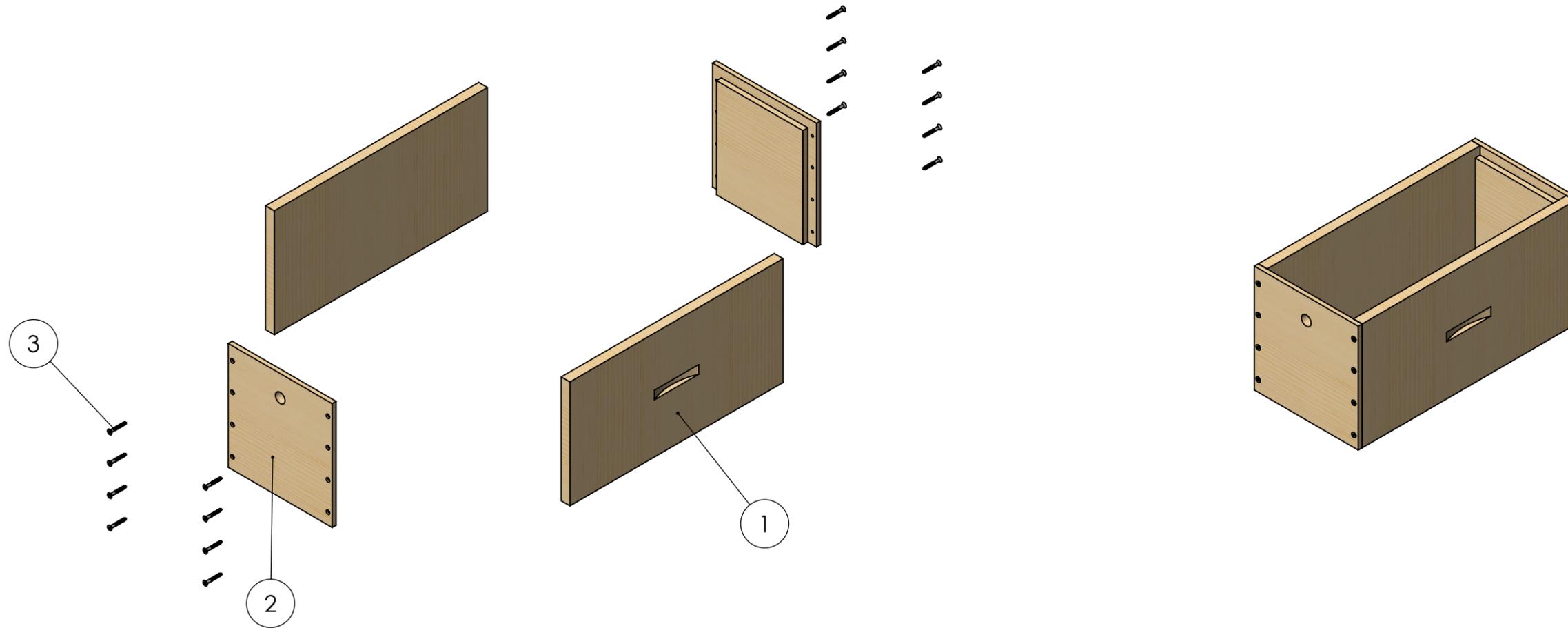


- NOTES:
 1. GLUE AND CLAMP BOARDS SQUARE.
 2. PREDRILL ALL HOLES.
 3. ADD SCREWS.
 4. REMOVE ALL SHARP EDGES.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	1099M	NUC SIDE	2
2	1098M	NUC FRONT/BACK	2
3	90610A727	Square-Drive Flat Head Screws for Wood	16

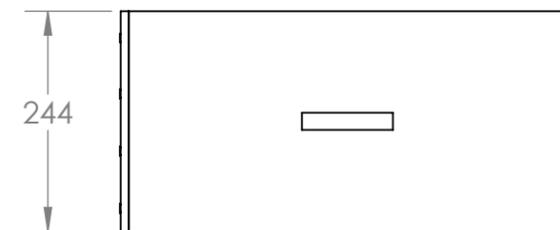
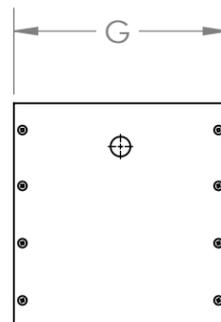
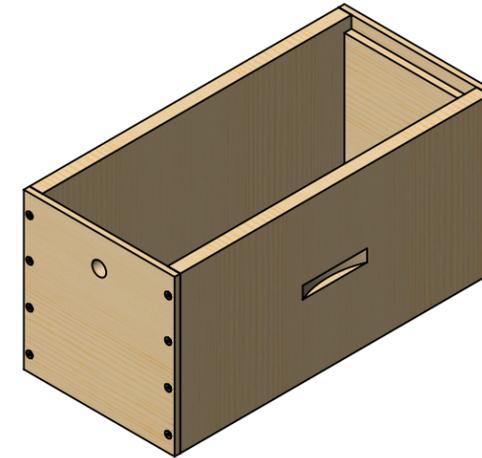
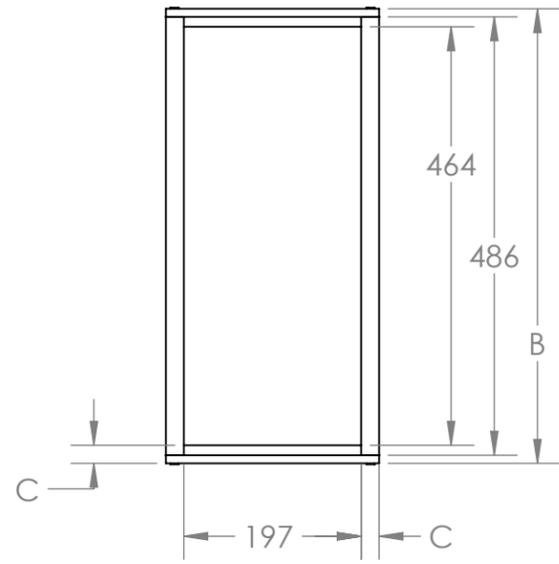


10024M		FIVE FRAME NUC
PART NUMBER	REV	DESCRIPTION

UNLESS OTHERWISE SPECIFIED DO NOT SCALE DRAWING INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5-2018 DIMENSIONS ARE IN MILLIMETERS		SolidWorks MAINTAINED DATA CHANGES SHALL BE INCORPORATED ELECTRONICALLY BY THE DESIGN ACTIVITY PROPRIETARY NO PART OF THIS DOCUMENT MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM, OR TRANSMITTED IN ANY FORM, WITHOUT WRITTEN PERMISSION.		 HONEY BEE RESEARCH CENTRE THE UNIVERSITY OF GUELPH	
THIRD ANGLE PROJECTION 		CUSTOMER BEE KEEPERS PROJECT HIVE PRODUCTS		FIVE FRAME NUC	
DRAWN BY F. FULKERSON CHECKED BY P.G. KELLY APPROVED P.G. KELLY		DATE 2/23/2024 DATE 2/23/2024 DATE 2/23/2024		TITLE 10024M	
SCALE 1:8		WEIGHT 2294.267 g		SHEET 1 OF 5	

- NOTES:
 1. GLUE AND CLAMP BOARDS SQUARE.
 2. PREDRILL ALL HOLES.
 3. ADD SCREWS.
 4. REMOVE ALL SHARP EDGES.

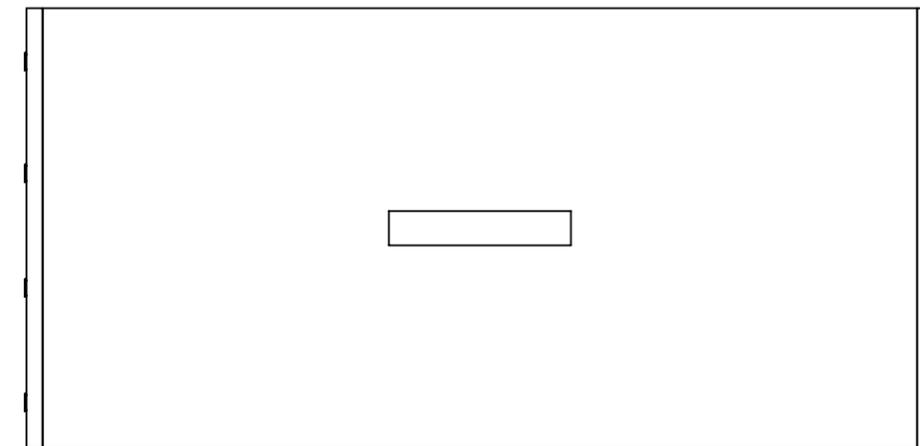
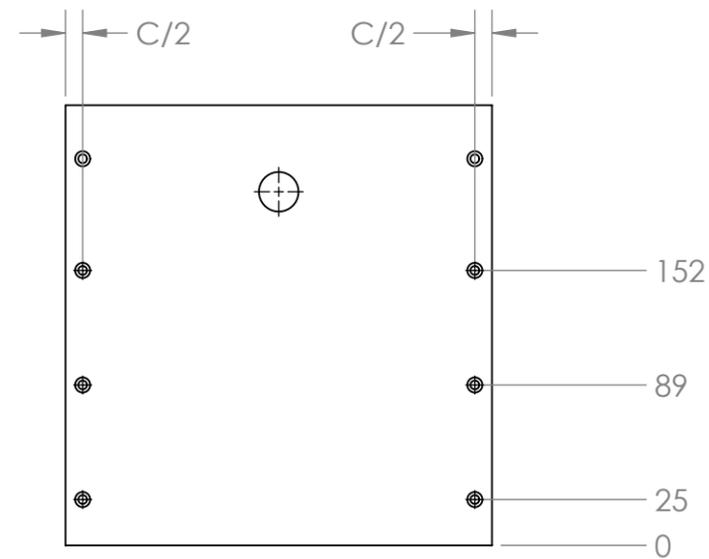
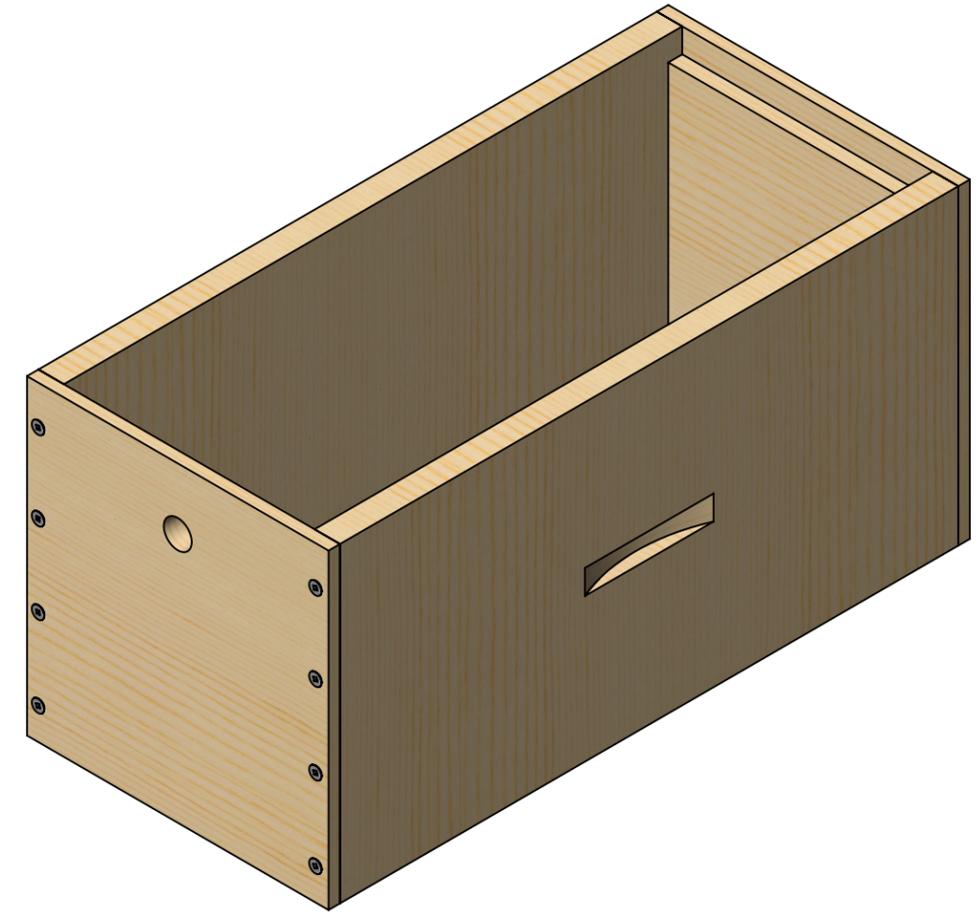
FEATIUERE	C = 19 mm	C = 20 mm	C = 22 mm	C = 24 mm	C = 25 mm
G (mm)	235	237	241	245	247
B (mm)	502	504	508	512	514



10024M		FIVE FRAME NUC
PART NUMBER	REV	DESCRIPTION

UNLESS OTHERWISE SPECIFIED DO NOT SCALE DRAWING INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5-2018 DIMENSIONS ARE IN MILLIMETERS	SolidWorks MAINTAINED DATA CHANGES SHALL BE INCORPORATED ELECTRONICALLY BY THE DESIGN ACTIVITY	 HONEY BEE RESEARCH CENTRE THE UNIVERSITY OF GUELPH
	PROPRIETARY NO PART OF THIS DOCUMENT MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM, OR TRANSMITTED IN ANY FORM, WITHOUT WRITTEN PERMISSION.	
THIRD ANGLE PROJECTION 	CUSTOMER BEE KEEPERS PROJECT HIVE PRODUCTS	TITLE FIVE FRAME NUC
DRAWN BY F. FULKERSON CHECKED BY P.G. KELLY APPROVED P.G. KELLY	DATE 2/23/2024 DATE 2/23/2024 DATE 2/23/2024	SIZE B DRAWING NO 10024M
SCALE 1:8		WEIGHT 2294.267 g
		SHEET 2 OF 5

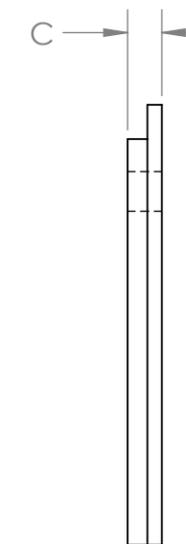
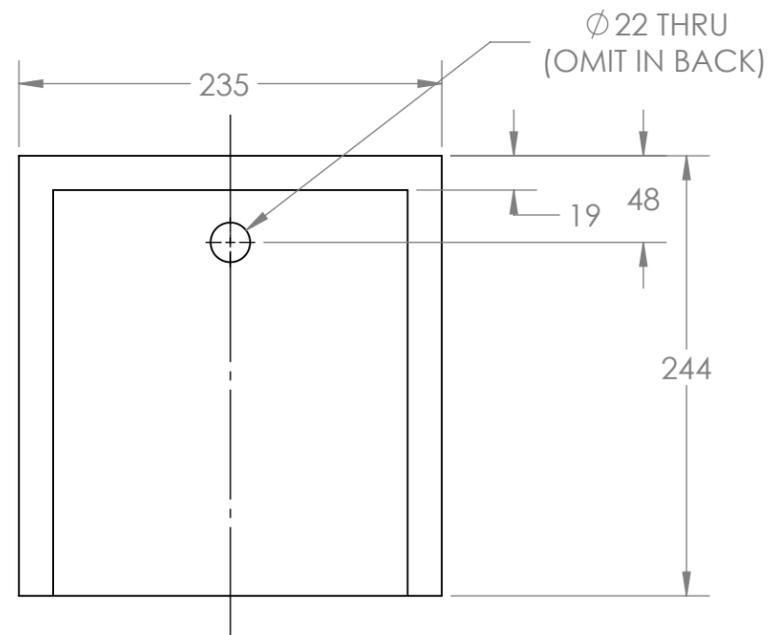
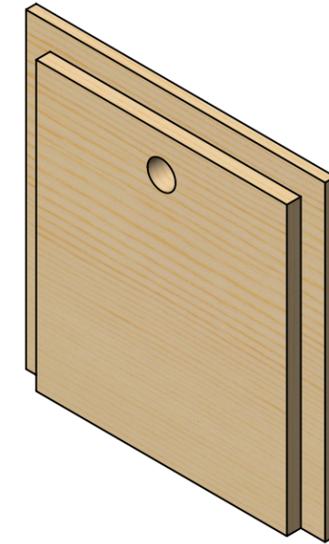
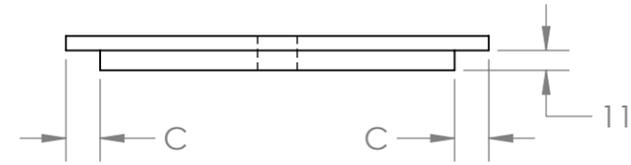
- NOTES:
 1. GLUE AND CLAMP BOARDS SQUARE.
 2. PREDRILL ALL HOLES.
 3. ADD SCREWS.
 4. REMOVE ALL SHARP EDGES.



10024M		FIVE FRAME NUC
PART NUMBER	REV	DESCRIPTION

UNLESS OTHERWISE SPECIFIED DO NOT SCALE DRAWING INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5-2018 DIMENSIONS ARE IN MILLIMETERS		SolidWorks MAINTAINED DATA CHANGES SHALL BE INCORPORATED ELECTRONICALLY BY THE DESIGN ACTIVITY PROPRIETARY NO PART OF THIS DOCUMENT MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM, OR TRANSMITTED IN ANY FORM, WITHOUT WRITTEN PERMISSION.		 HONEY BEE RESEARCH CENTRE THE UNIVERSITY OF GUELPH	
THIRD ANGLE PROJECTION 		CUSTOMER BEE KEEPERS PROJECT HIVE PRODUCTS		FIVE FRAME NUC	
DRAWN BY F. FULKERSON CHECKED BY P.G. KELLY APPROVED P.G. KELLY		DATE 2/23/2024 DATE 2/23/2024 DATE 2/23/2024		SIZE B DRAWING NO. 10024M -	
		SCALE 1:4		WEIGHT 2294.267 g	
				SHEET 3 OF 5	

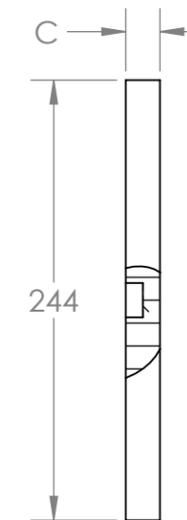
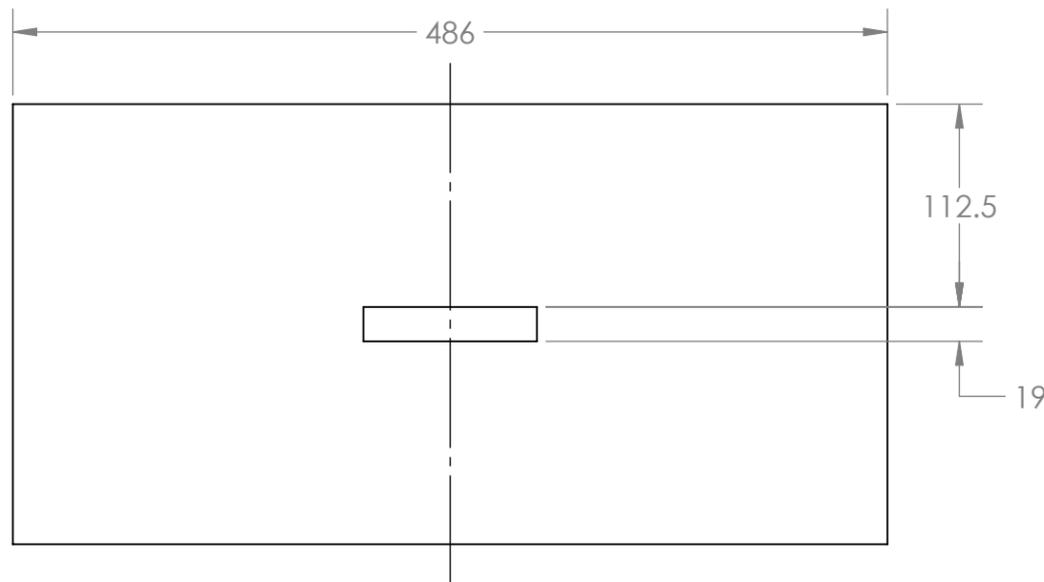
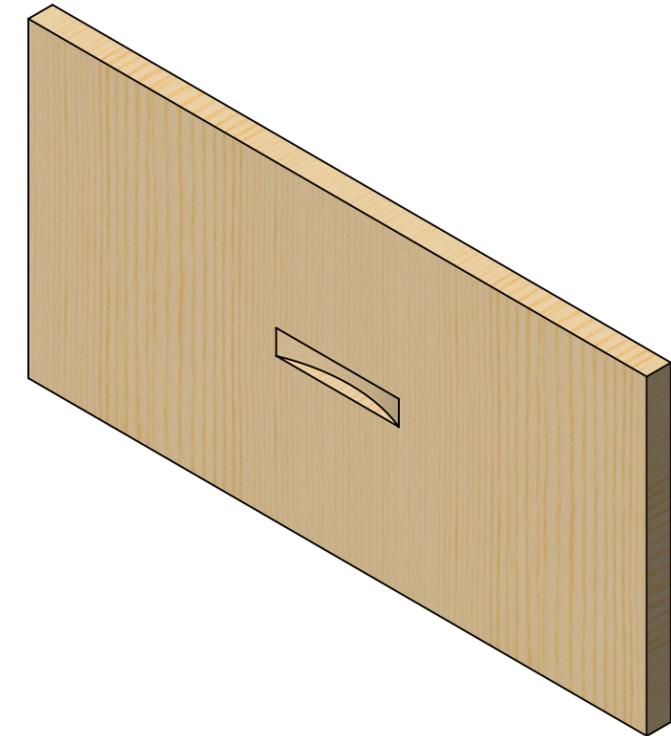
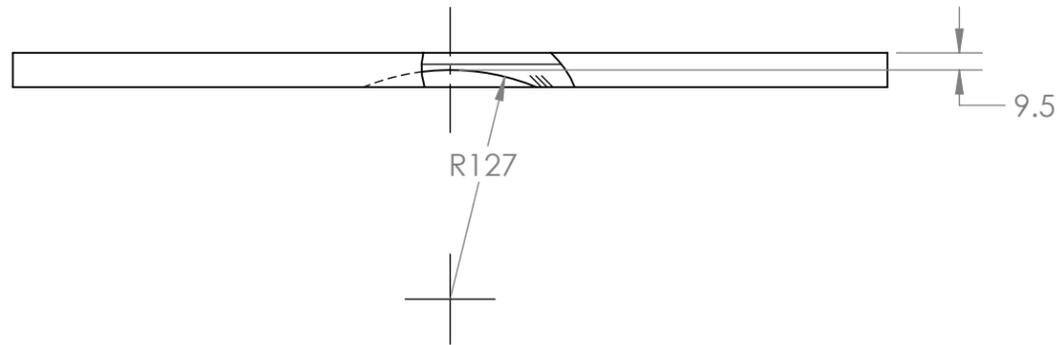
- NOTES:
 1. MATERIAL: Pine.
 2. FINISH: PAINT OR STAIN.
 3. REMOVE ALL SHARP EDGES.



1098M		NUC FRONT/BACK
PART NUMBER	REV	DESCRIPTION

UNLESS OTHERWISE SPECIFIED DO NOT SCALE DRAWING INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5-2018 DIMENSIONS ARE IN MILLIMETERS	SolidWorks MAINTAINED DATA CHANGES SHALL BE INCORPORATED ELECTRONICALLY BY THE DESIGN ACTIVITY	 HONEY BEE RESEARCH CENTRE THE UNIVERSITY OF GUELPH	TITLE <h1>NUC FRONT/BACK</h1>	REVISION 10024M -
	PROPRIETARY NO PART OF THIS DOCUMENT MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM, OR TRANSMITTED IN ANY FORM, WITHOUT WRITTEN PERMISSION.			
THIRD ANGLE PROJECTION 	PROJECT HIVE PRODUCTS	SIZE B	DRAWING NO.	SCALE 1:4
	DRAWN BY F. FULKERSON	DATE 2/23/2024	WEIGHT 319.285 g	
	CHECKED BY P.G. KELLY	DATE 2/23/2024	SHEET 4 OF 5	
APPROVED P.G. KELLY	DATE 2/23/2024			

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



1099M		NUC SIDE
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



SolidWorks MAINTAINED DATA
 CHANGES SHALL BE INCORPORATED
 ELECTRONICALLY BY THE DESIGN ACTIVITY

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
 PROJECT
 HIVE PRODUCTS

DRAWN BY F. FULKERSON	DATE 2/23/2024
CHECKED BY P.G. KELLY	DATE 2/23/2024
APPROVED P.G. KELLY	DATE 2/23/2024



HONEY BEE RESEARCH CENTRE
 THE UNIVERSITY OF GUELPH

TITLE

NUC SIDE

SIZE DRAWING NO

B

SCALE 1:4

WEIGHT 762.079 g

10024M -

SHEET 5 OF 5