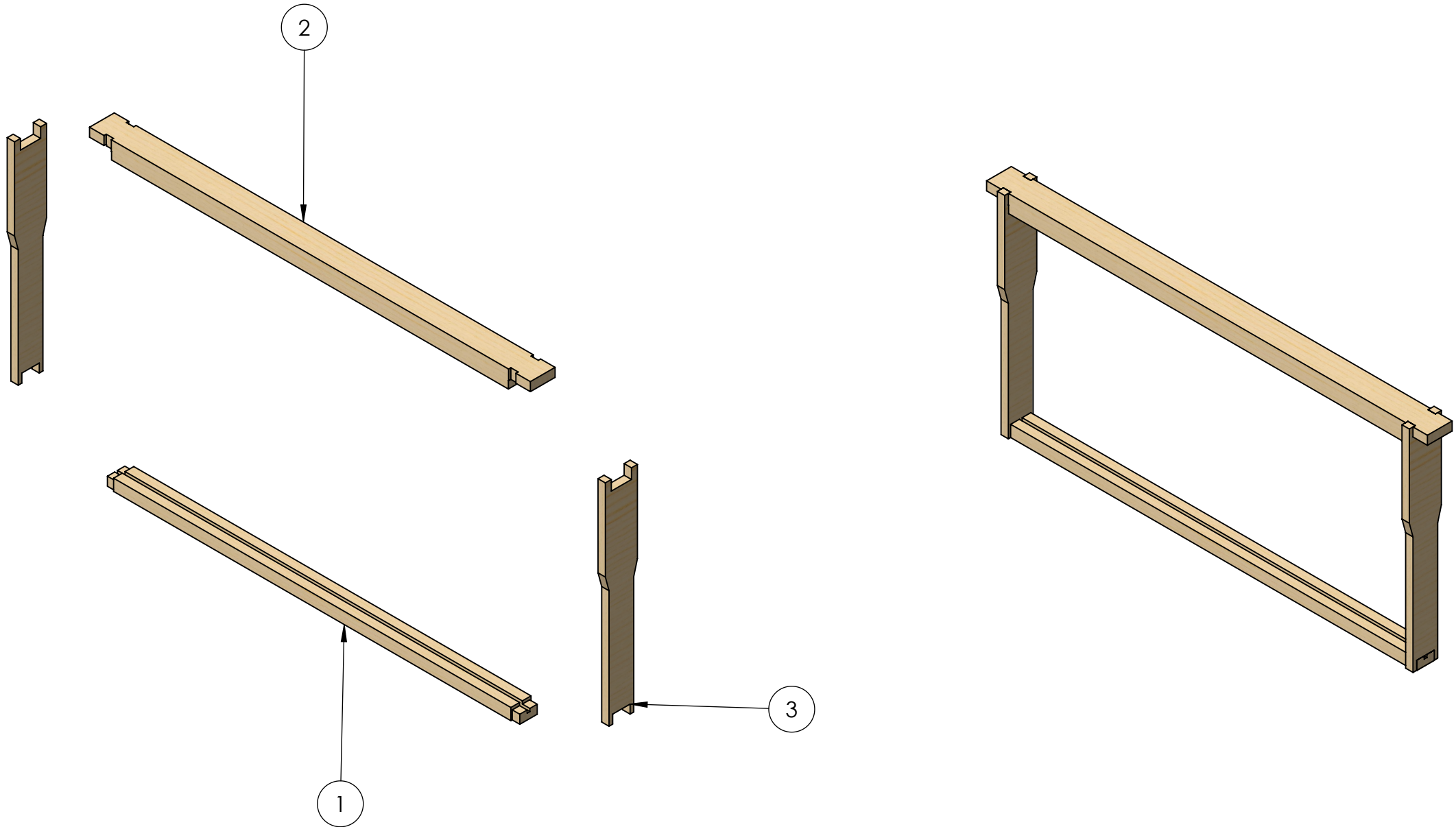


NOTES:  
1. GLUE AND STAPLE OR NAIL TOGETHER.  
2. FINISH: NONE.  
3. REMOVE ALL SHARP EDGES.

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	1042M	BOTTOM BAR	1
2	1041M	TOP BAR	1
3	1043M	DEEP - SIDE	2



10013M	-	FRAME
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 3/2/2024
CHECKED BY P.G. KELLY	DATE 3/2/2024
APPROVED P.G. KELLY	DATE 3/2/2024

HONEY BEE RESEARCH CENTRE  
THE UNIVERSITY OF GUELPH

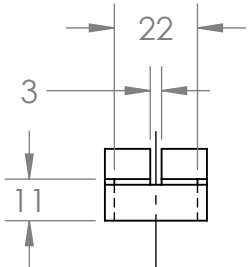
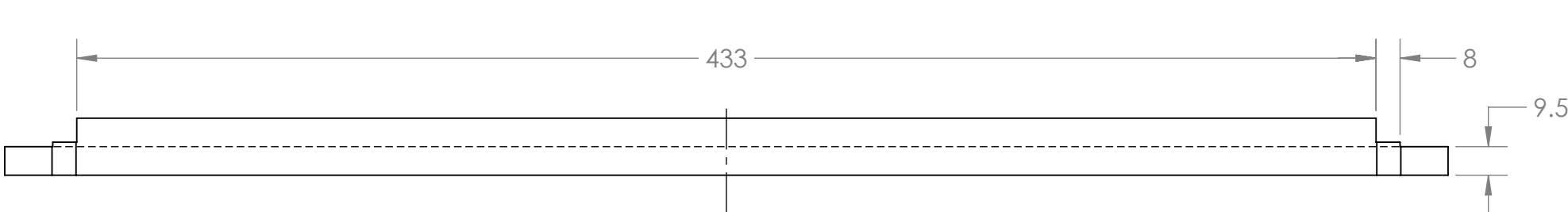
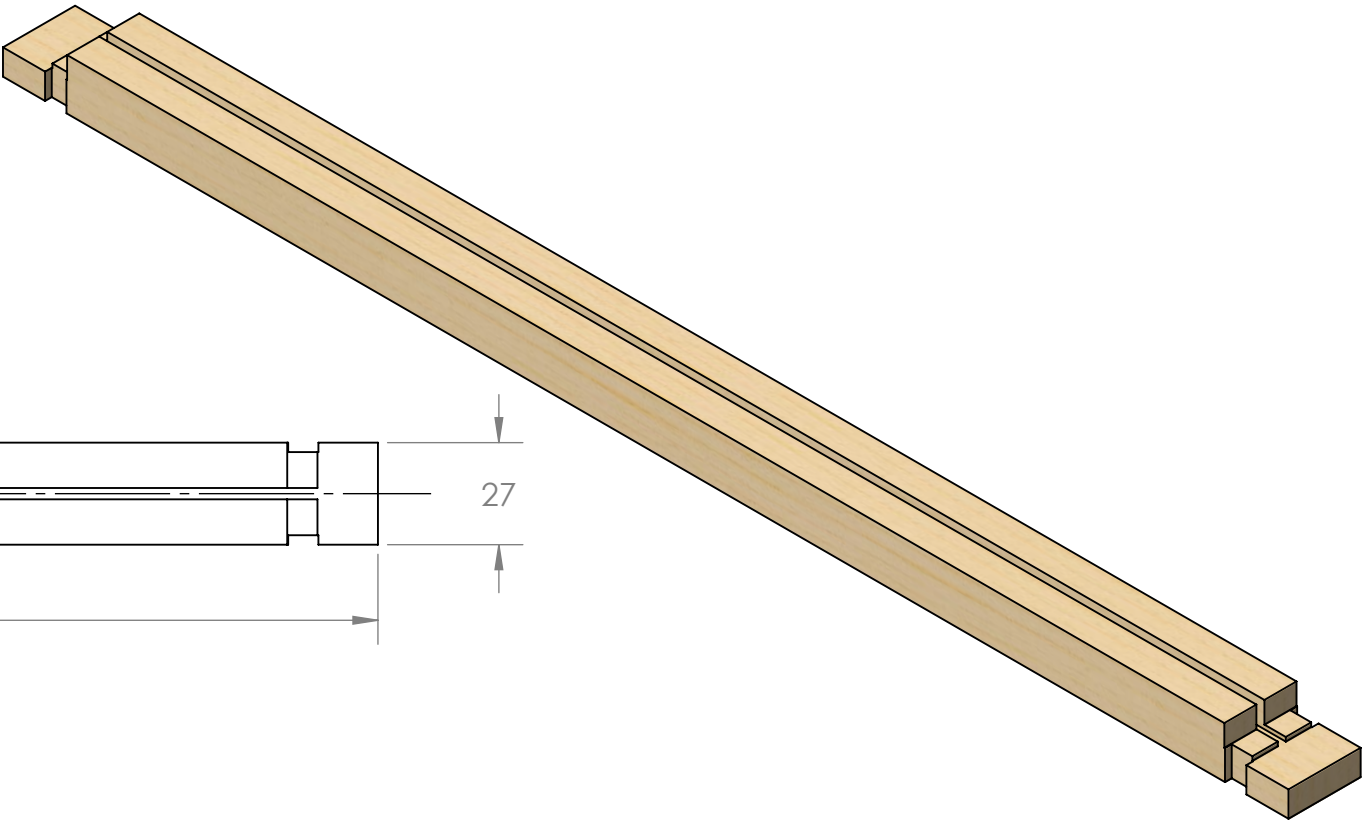
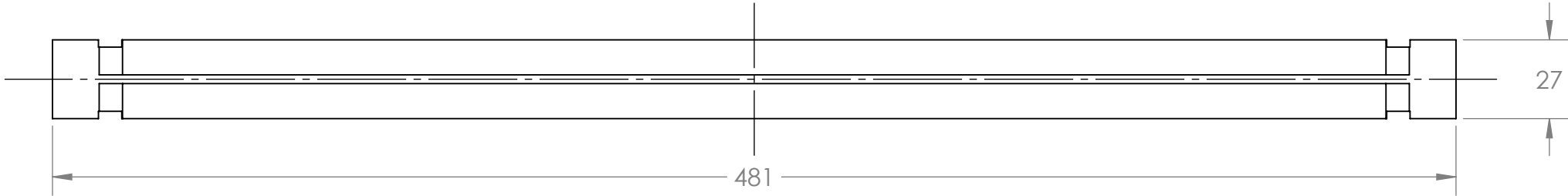
TITLE

**FRAME**

SIZE	DRAWING NO	REVISION
<b>B</b>		<b>10013M -</b>
SCALE	1:4	WEIGHT 150.23 g

SHEET 1 OF 5

- NOTES:
- 1. MATERIAL: Pine.
  - 2. FINISH: NONE.
  - 3. REMOVE ALL SHARP EDGES.



1041M	-	TOP BAR
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 3/2/2024
CHECKED BY P.G. KELLY	DATE 3/2/2024
APPROVED P.G. KELLY	DATE 3/2/2024

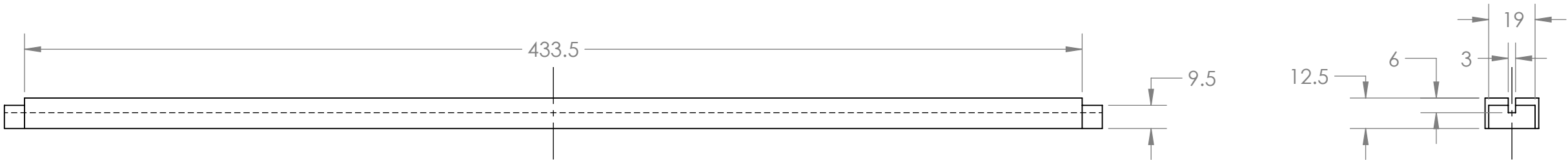
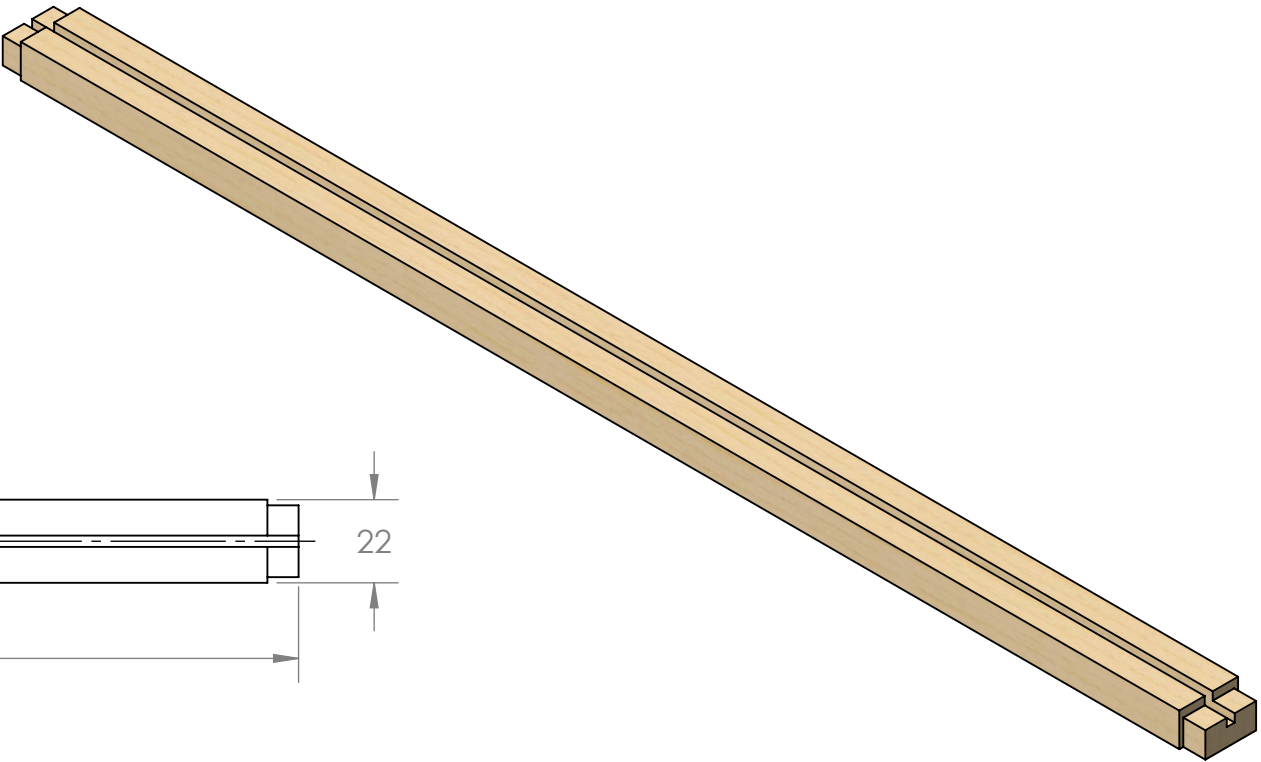
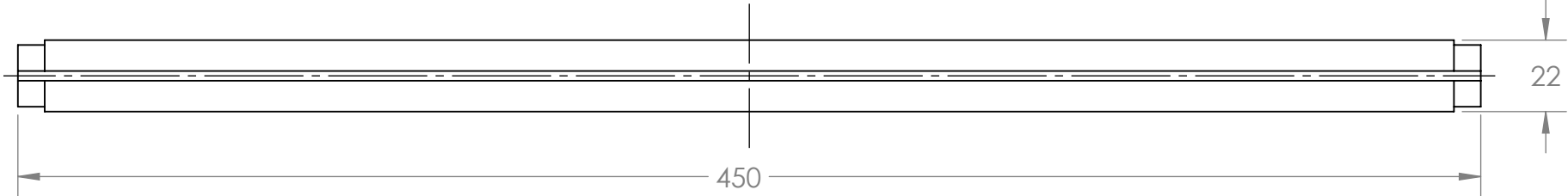
HONEY BEE RESEARCH CENTRE  
THE UNIVERSITY OF GUELPH

TITLE

**TOP BAR**

SIZE	DRAWING NO	REVISION
<b>B</b>		<b>10013M -</b>
SCALE	1:2	WEIGHT 75.41 g
SHEET 2 OF 5		

NOTES:  
1. MATERIAL: Pine.  
2. FINISH: NONE.  
3. REMOVE ALL SHARP EDGES.



1042M	-	BOTTOM BAR
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 2022-03-23
CHECKED BY P.G. KELLY	DATE 2022-03-23
APPROVED P.G. KELLY	DATE 2022-03-23

HONEY BEE RESEARCH CENTRE  
THE UNIVERSITY OF GUELPH

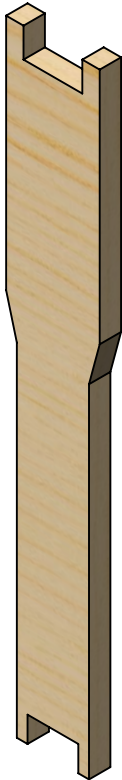
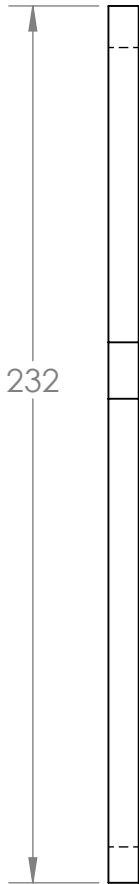
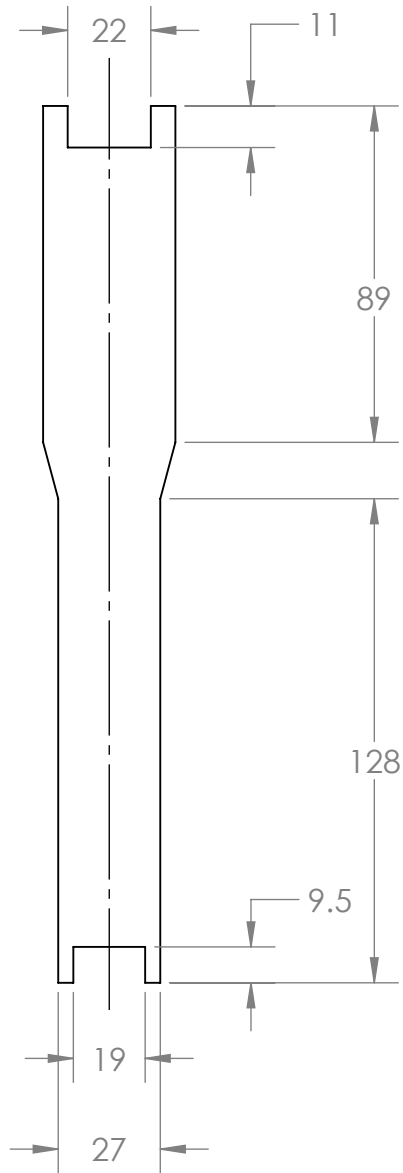
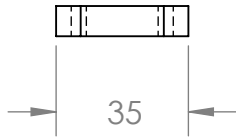
TITLE

**BOTTOM BAR**

SIZE	DRAWING NO	REVISION
<b>B</b>		<b>10013M -</b>
SCALE	1:2	WEIGHT 38.84 g

SHEET 3 OF 5

- NOTES:
- 1. MATERIAL: Pine.
  - 2. FINISH: NONE.
  - 3. REMOVE ALL SHARP EDGES.



1043M	-	DEEP - 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 2022-03-23
CHECKED BY P.G. KELLY	DATE 2022-03-23
APPROVED P.G. KELLY	DATE 2022-03-23

HONEY BEE RESEARCH CENTRE  
THE UNIVERSITY OF GUELPH

TITLE

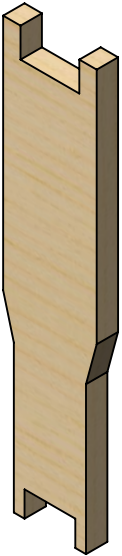
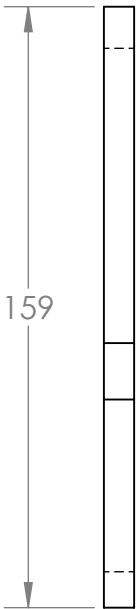
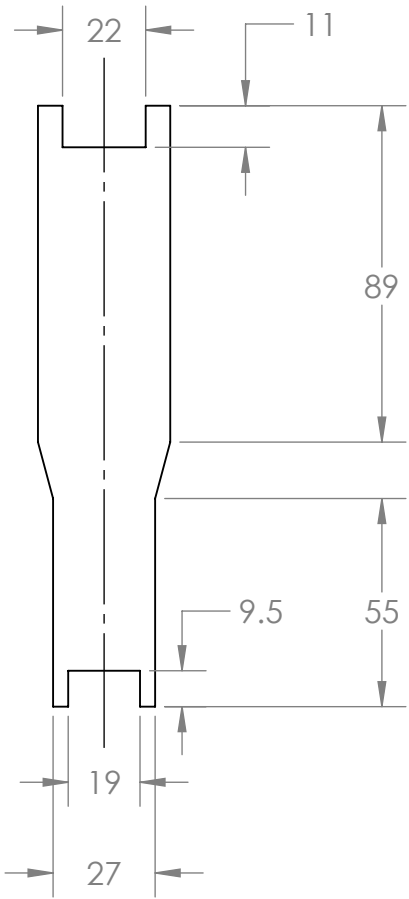
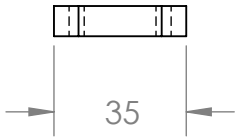
**DEEP - SIDE**

SIZE	DRAWING NO	REVISION
<b>B</b>		<b>10013M -</b>
SCALE	1:2	WEIGHT 17.99 g

SHEET 4 OF 5



- NOTES:
- 1. MATERIAL: Pine.
  - 2. FINISH: NONE.
  - 3. REMOVE ALL SHARP EDGES.



1043M	-	MEDIUM - 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 2022-03-23
CHECKED BY P.G. KELLY	DATE 2022-03-23
APPROVED P.G. KELLY	DATE 2022-03-23

HONEY BEE RESEARCH CENTRE  
THE UNIVERSITY OF GUELPH

TITLE

**MEDIUM - SIDE**

SIZE	DRAWING NO	REVISION
<b>B</b>		<b>10013M -</b>
SCALE	1:2	WEIGHT 12.63 g

SHEET 5 OF 5