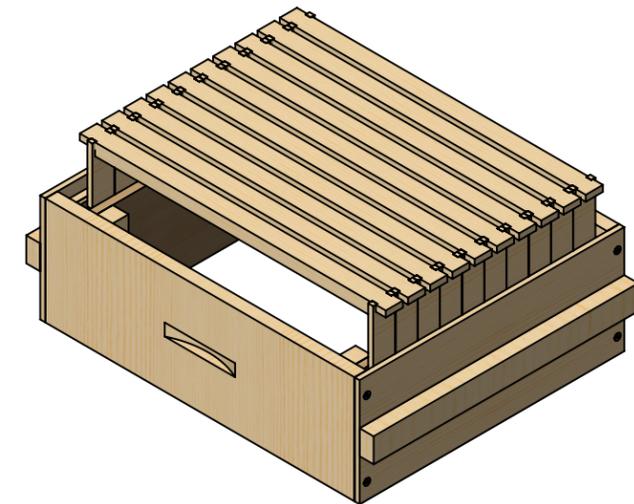
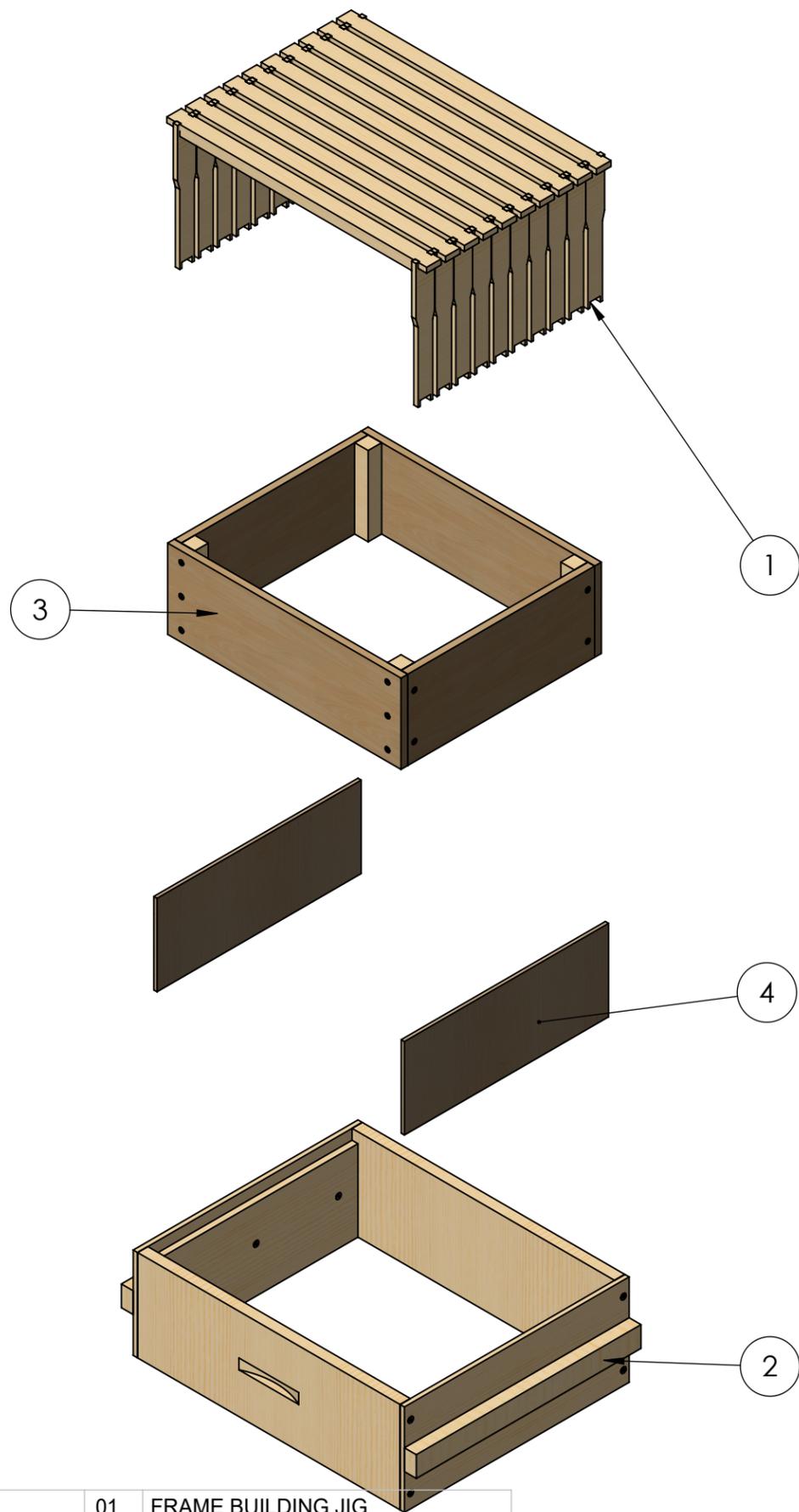


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	10013M	FRAME	10
2	10007M	MEDIUM HONEY SUPER	1
3	10015M	INNER FRAME	1
4	2008M	GAP REDUCER	2



10014M	01	FRAME BUILDING JIG
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
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ANY FORM, WITHOUT WRITTEN PERMISSION.

CUSTOMER
BEE KEEPERS
PROJECT
HIVE PRODUCTS

DRAWN BY F. FULKERSON	DATE 3/4/2024
CHECKED BY P.G. KELLY	DATE 3/4/2024
APPROVED P.G. KELLY	DATE 3/4/2024



HONEY BEE RESEARCH CENTRE
THE UNIVERSITY OF GUELPH

TITLE

FRAME BUILDING JIG

SIZE DRAWING NO

B

SCALE 1:8

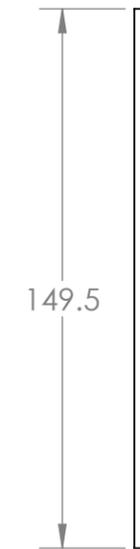
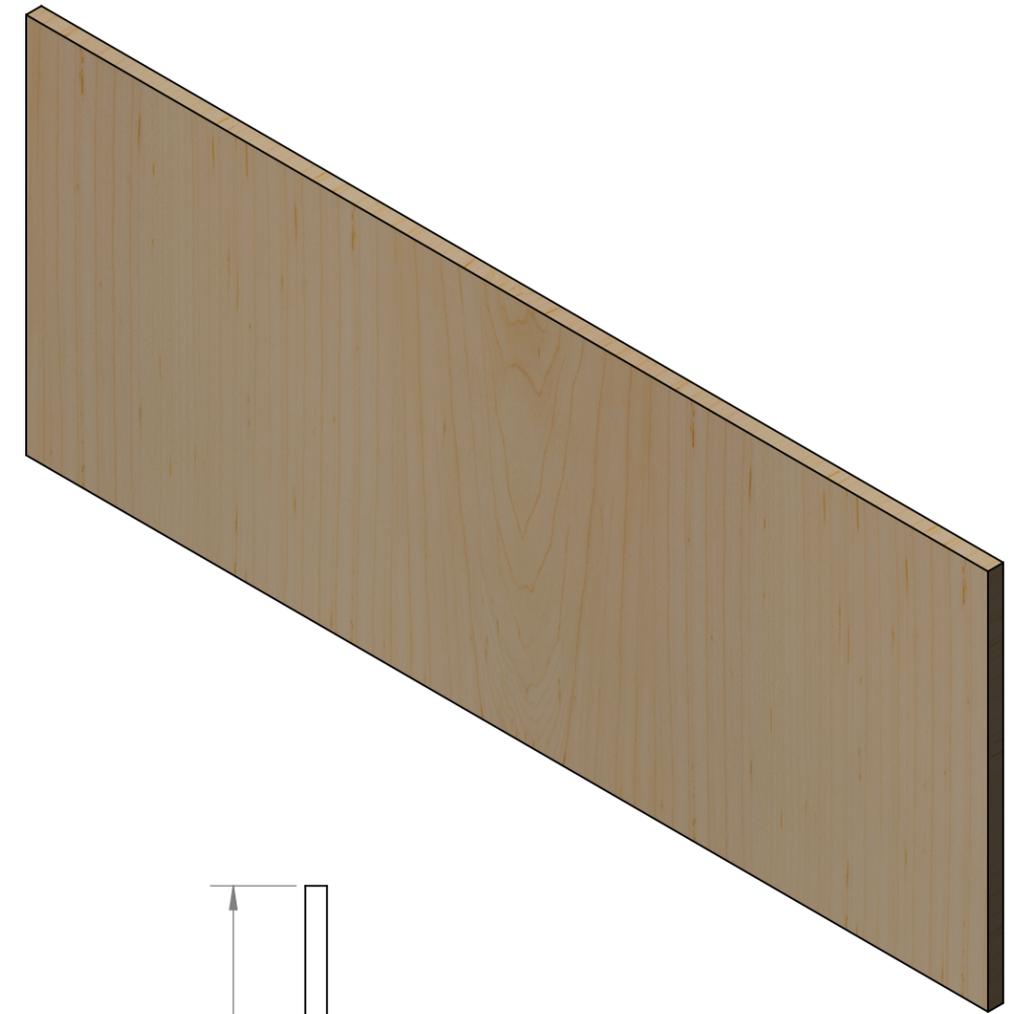
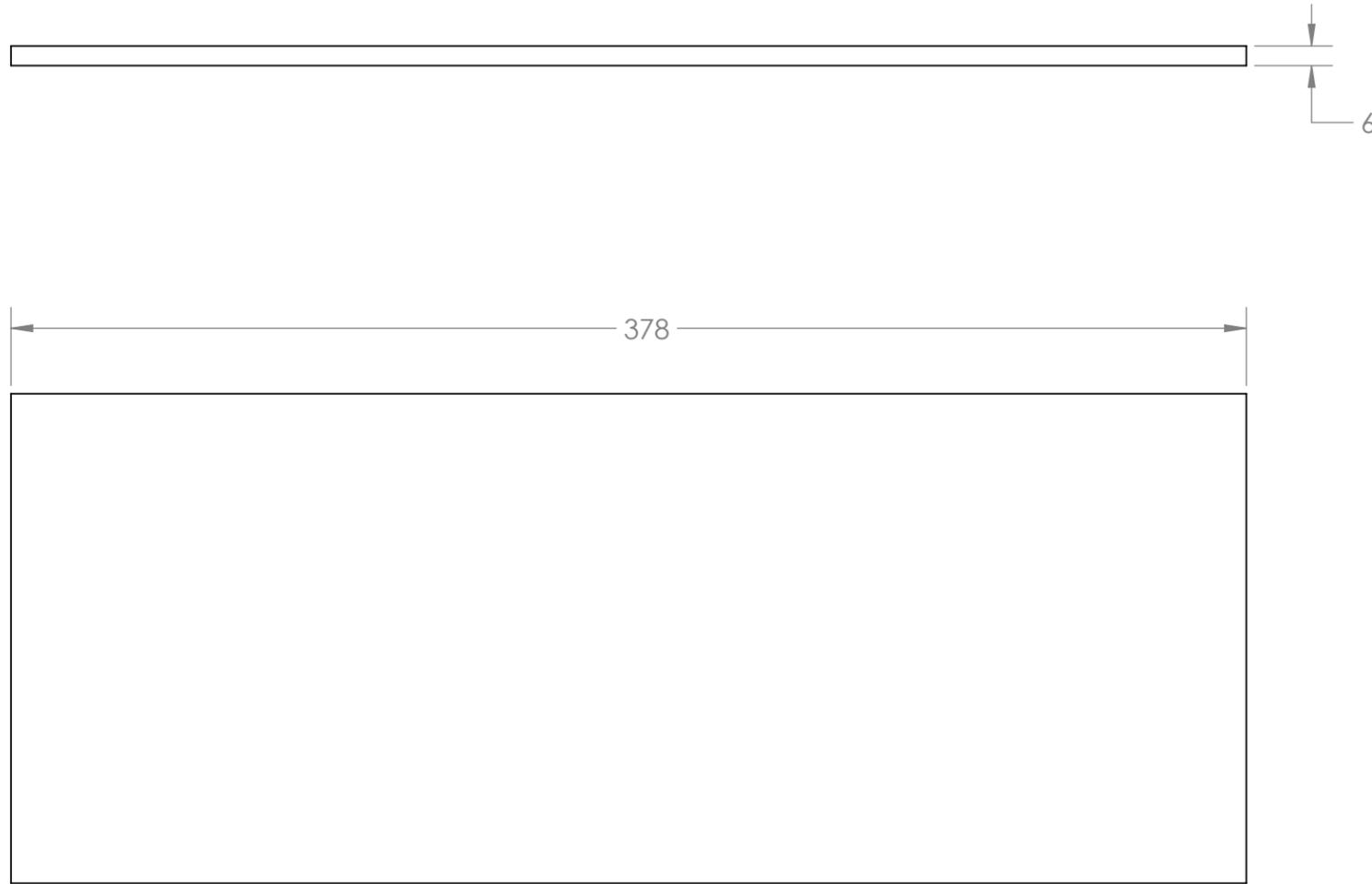
WEIGHT 4520.403 g

10014M -

REVISION

SHEET 1 OF 5

- NOTES:
 1. MATERIAL: Plywood
 2. GLUE AND/OR NAIL TO INSIDE OF AN OLD MEDIUM HONEY SUPER.
 3. 2 PCS REQ'D.
 4. REMOVE ALL SHARP EDGES.



2008M	01	GAP REDUCER
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 3/4/2024
CHECKED BY P.G. KELLY	DATE 3/4/2024
APPROVED P.G. KELLY	DATE 3/4/2024

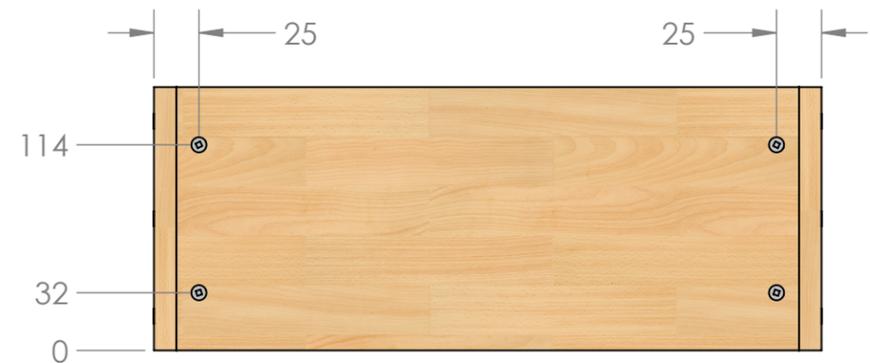
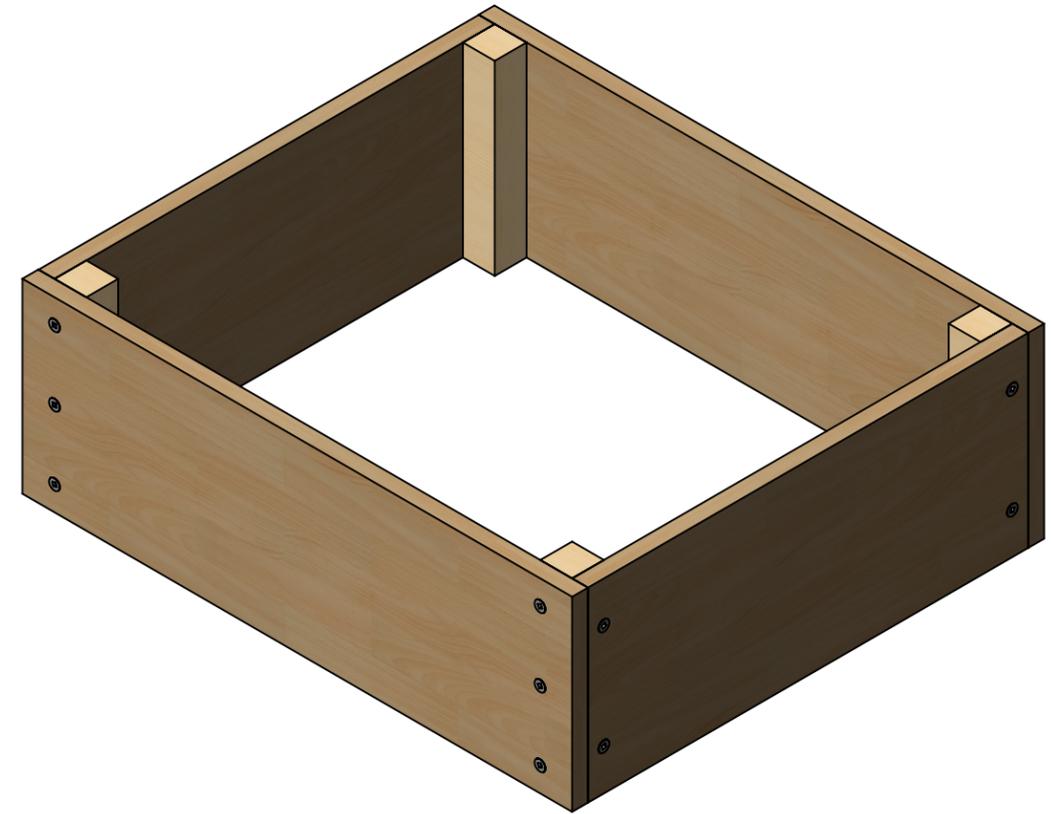
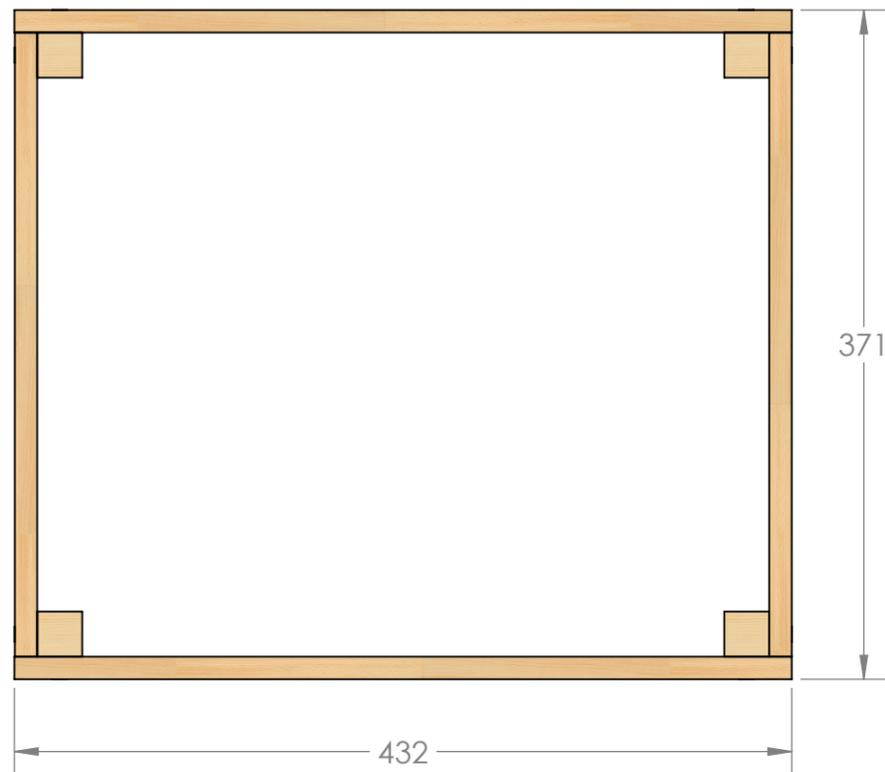


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GAP REDUCER

TITLE	SIZE	DRAWING NO	REVISION
	B		10014M -
SCALE	WEIGHT	SHEET 2 OF 5	
1:2	115.282 g		

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



10015M	01	INNER 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



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CUSTOMER
 BEE KEEPERS
 PROJECT
 HIVE PRODUCTS

DRAWN BY
 F. FULKERSON
 CHECKED BY
 P.G. KELLY
 APPROVED
 P.G. KELLY

DATE
 3/4/2024
 DATE
 3/4/2024
 DATE
 3/4/2024



HONEY BEE RESEARCH CENTRE
 THE UNIVERSITY OF GUELPH

INNER FRAME

SIZE
B

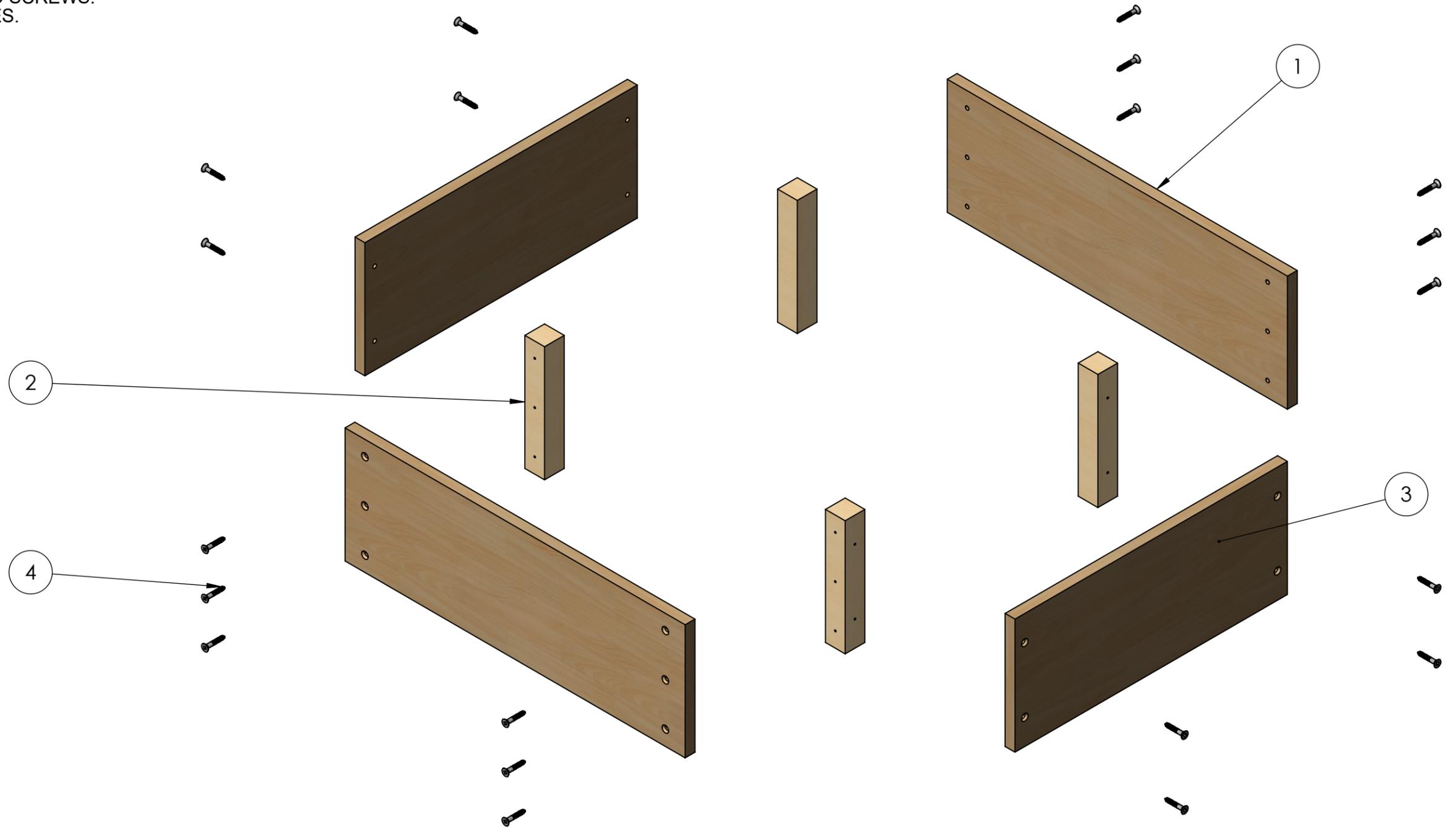
SCALE
 1:4

WEIGHT
 1093.176 g

10014M -

SHEET 3 OF 5

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

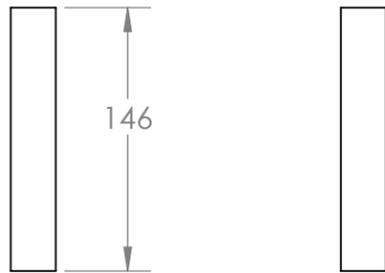
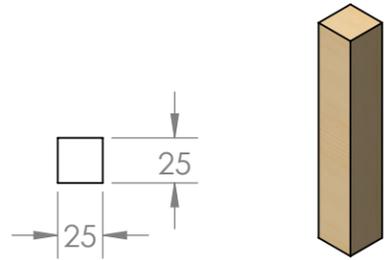


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	1045M	SIDE	2
2	1044M	POST	4
3	1046M	END	2
4	90610A718	Square-Drive Flat Head Screws for Wood	20

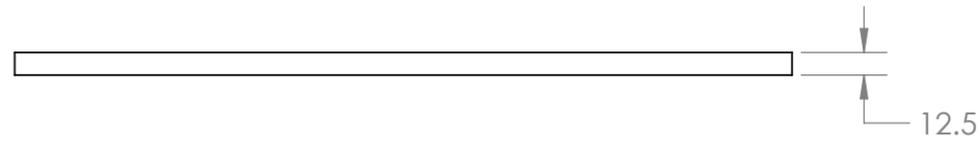
10015M	01	INNER FRAME
PART NUMBER	REV	DESCRIPTION

UNLESS OTHERWISE SPECIFIED DO NOT SCALE DRAWING INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5-2018 DIMENSIONS ARE IN MILLIMETERS		SolidWorks MAINTAINED DATA CHANGES SHALL BE INCORPORATED ELECTRONICALLY BY THE DESIGN ACTIVITY		 HONEY BEE RESEARCH CENTRE THE UNIVERSITY OF GUELPH	
THIRD ANGLE PROJECTION 		PROPRIETARY NO PART OF THIS DOCUMENT MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM, OR TRANSMITTED IN ANY FORM, WITHOUT WRITTEN PERMISSION.		INNER FRAME	
DRAWN BY F. FULKERSON		DATE 3/4/2024		B	
CHECKED BY P.G. KELLY		DATE 3/4/2024		10014M	
APPROVED P.G. KELLY		DATE 3/4/2024		SCALE 1:4 WEIGHT 1093.176 g SHEET 4 OF 5	

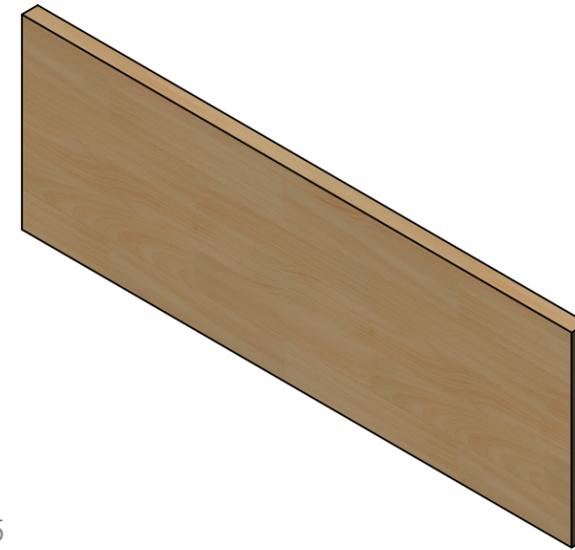
- NOTES:
 1. MATERIAL: AS NOTED.
 2. FINISH: NONE.
 3. REMOVE ALL SHARP EDGES.



CORNER POST
4 PCS REQ'D
PINE



END BOARD
2 PCS REQ'D
PLYWOOD



SIDE BOARD
2 PCS REQ'D
PLYWOOD

10014M	01	FRAME BUILDING JIG
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	FRAME BUILDING JIG
	PROJECT HIVE PRODUCTS	
DRAWN BY F. FULKERSON	DATE 3/4/2024	SIZE B
CHECKED BY P.G. KELLY	DATE 3/4/2024	DRAWING NO.
APPROVED P.G. KELLY	DATE 3/4/2024	SCALE 1:4
		WEIGHT 4520.403 g
		SHEET 5 OF 5
		10014M -