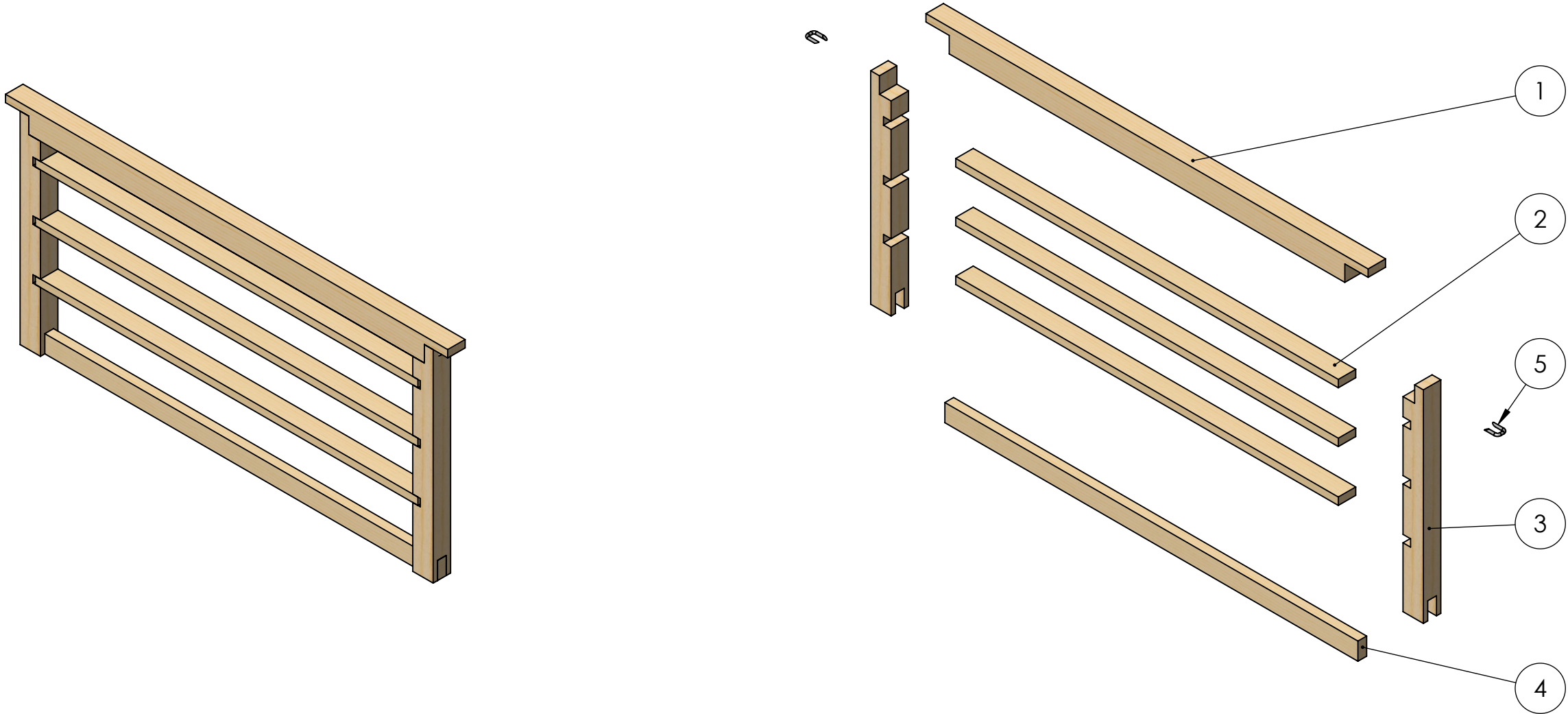


- NOTES:
- 1. GLUE AND ASSEMBLE FRAME SQUARE.
 - 2. DO NOT GLUE GRAFT BARS.
 - 3. ADD TWO STAPLES AND CLAMP.
 - 4. REMOLVE ALL SHARP EDGES

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	1029	GRAFT FRAME TOP	1
2	1028	GRAFT BAR	3
3	1030	GRAFT FRAME SIDE	2
4	1031	GRAFT FRAME BOTTOM	1
5	97900A210	STAPLE	2



10009	-	QUEEN GRAFT FRAME
PART NUMBER	REV	DESCRIPTION

UNLESS OTHERWISE SPECIFIED

DO NOT SCALE DRAWING

INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5-2018

DIMENSIONS ARE IN INCHES

THIRD ANGLE PROJECTION

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

PROPRIETARY

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CUSTOMER
BEE KEEPERS

PROJECT
HIVE PRODUCTS

DRAWN BY F. FULKERSON	DATE 2022-01-01
CHECKED BY P.G. KELLY	DATE 2022-01-01
APPROVED P.G. KELLY	DATE 2022-01-01

HONEY BEE RESEARCH CENTRE
THE UNIVERSITY OF GUELPH

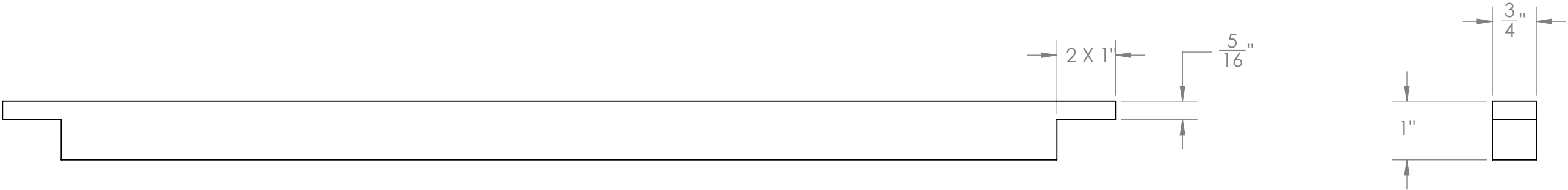
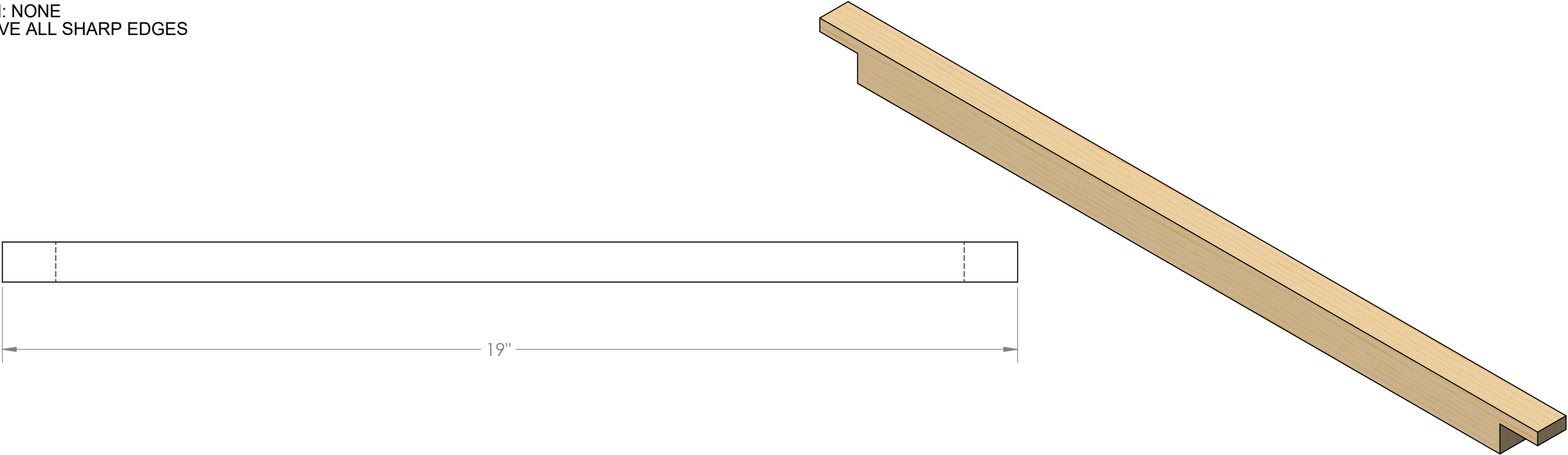
TITLE

QUEEN GRAFT FRAME

SIZE	DRAWING NO	REVISION
B		10009 -
SCALE	1:4	WEIGHT 0.488 lbs

SHEET 1 OF 5

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



1029	-	GRAFT FRAME TOP
PART NUMBER	REV	DESCRIPTION

UNLESS OTHERWISE SPECIFIED

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CUSTOMER BEE KEEPERS	
PROJECT HIVE PRODUCTS	
DRAWN BY F. FULKERSON	DATE 2022-01-01
CHECKED BY P.G. KELLY	DATE 2022-01-01
APPROVED P.G. KELLY	DATE 2022-01-01



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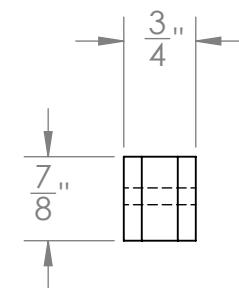
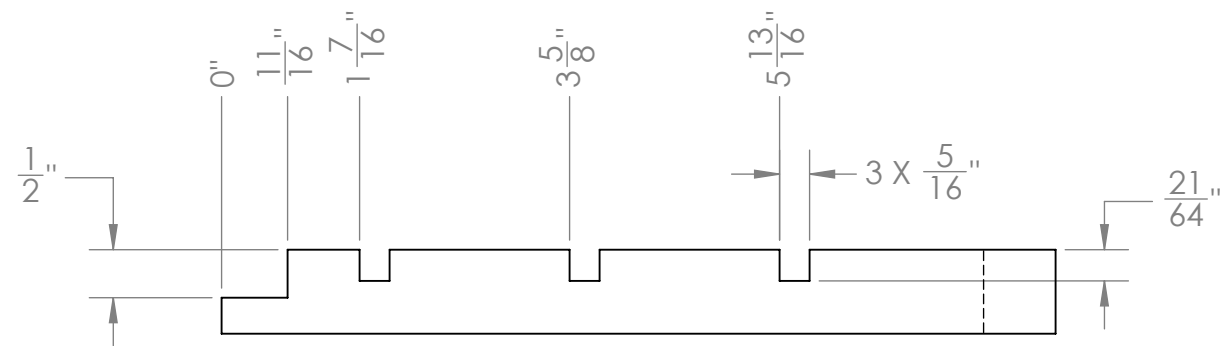
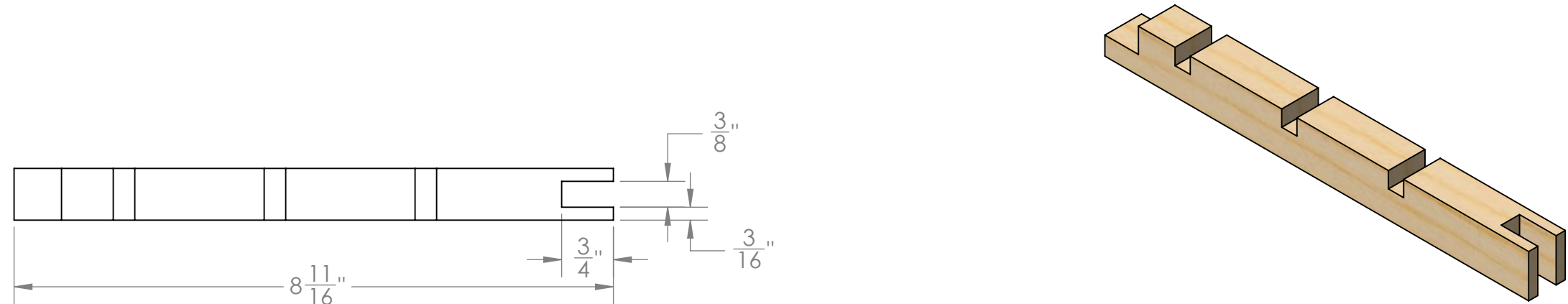
TITLE

GRAFT FRAME TOP

SIZE	DRAWING NO	REVISION
B		10009 -
SCALE	1:2	WEIGHT 0.162 lbs

SHEET 2 OF 5

- NOTES:
- 1. MATERIAL: Pine
 - 2. FINISH: NONE
 - 3. REMOVE ALL SHARP EDGES
 - 4. 2 PCS REQ'D



1030	-	GRAFT FRAME SIDE
PART NUMBER	REV	DESCRIPTION

UNLESS OTHERWISE SPECIFIED

DO NOT SCALE DRAWING

INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5-2018

DIMENSIONS ARE IN INCHES

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CUSTOMER
BEE KEEPERS

PROJECT
HIVE PRODUCTS

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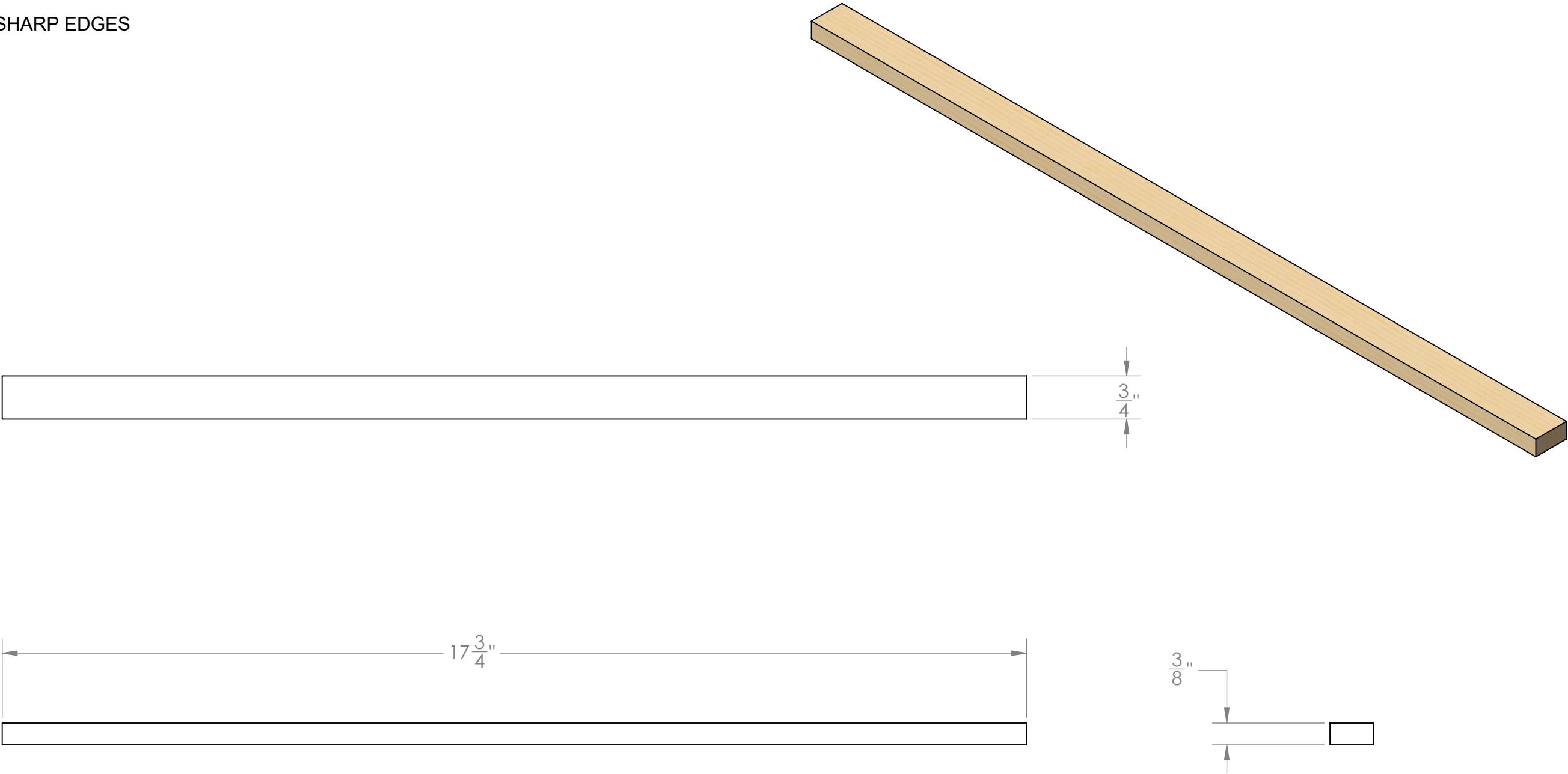
TITLE

GRAFT FRAME SIDE

SIZE	DRAWING NO	REVISION
B		10009 -
SCALE	1:2	WEIGHT 0.061 lbs

SHEET 3 OF 5

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



1031	-	GRAFT FRAME BOTTOM
PART NUMBER	REV	DESCRIPTION

UNLESS OTHERWISE SPECIFIED

DO NOT SCALE DRAWING

INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5-2018

DIMENSIONS ARE IN INCHES

THIRD ANGLE PROJECTION

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CUSTOMER BEE KEEPERS	
PROJECT HIVE PRODUCTS	
DRAWN BY F. FULKERSON	DATE 2022-01-01
CHECKED BY P.G. KELLY	DATE 2022-01-01
APPROVED P.G. KELLY	DATE 2022-01-01

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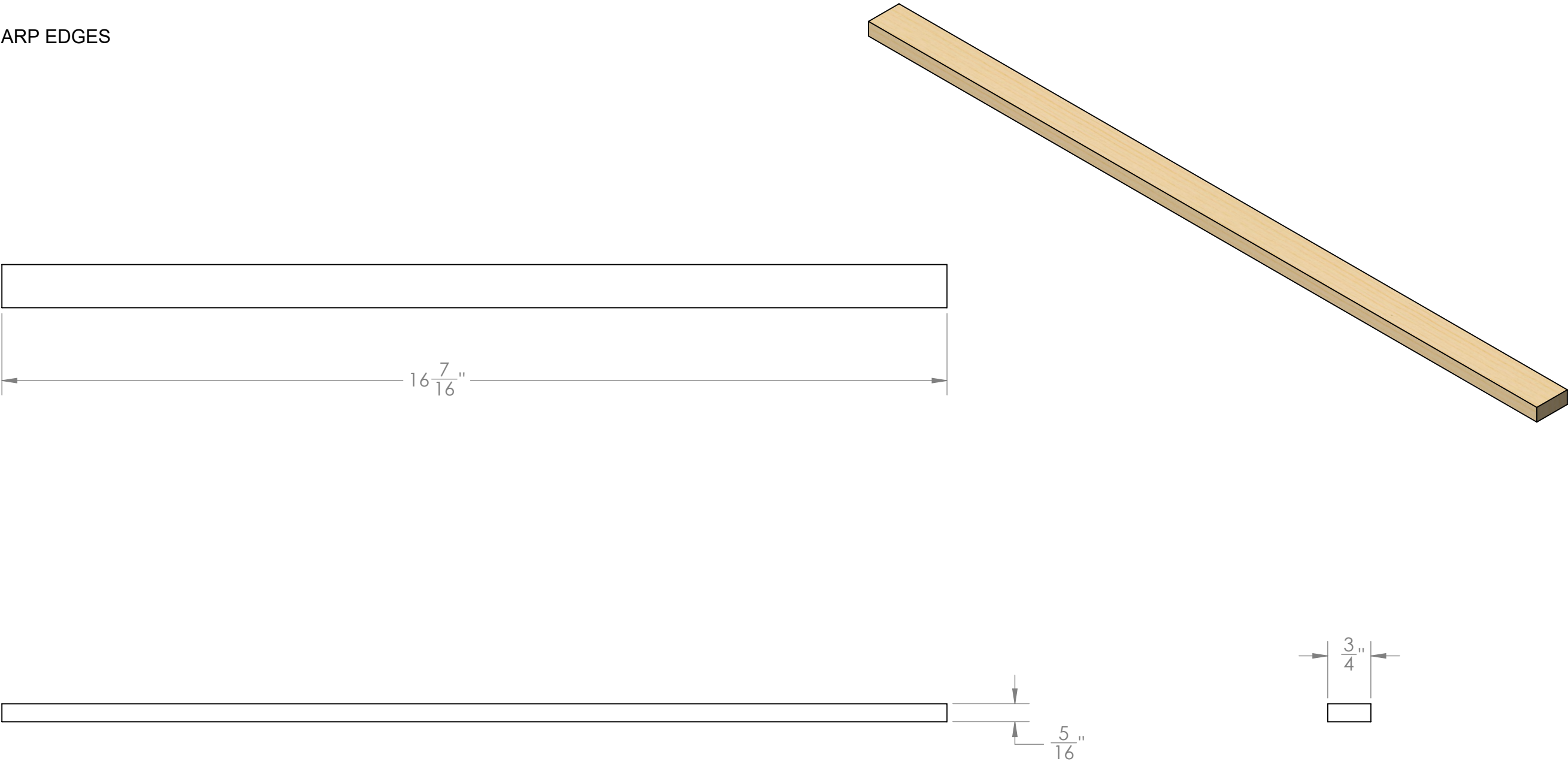
TITLE

GRAFT FRAME BOTTOM

SIZE	DRAWING NO	REVISION
B		10009 -
SCALE	1:2	WEIGHT 0.061 lbs

SHEET 4 OF 5

- NOTES:
- 1. MATERIAL: Pine
 - 2. FINISH: NONE
 - 3. REMOVE ALL SHARP EDGES
 - 4. 3 PCS REQ'D



1028	-	GRAFT BAR
PART NUMBER	REV	DESCRIPTION

UNLESS OTHERWISE SPECIFIED

DO NOT SCALE DRAWING

INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5-2018

DIMENSIONS ARE IN INCHES

THIRD ANGLE PROJECTION

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CUSTOMER

BEE KEEPERS

PROJECT

HIVE PRODUCTS

DRAWN BY

F. FULKERSON

DATE

2022-01-01

CHECKED BY

P.G. KELLY

DATE

2022-01-01

APPROVED

P.G. KELLY

DATE

2022-01-01

HONEY BEE RESEARCH CENTRE
THE UNIVERSITY OF GUELPH

TITLE

GRAFT BAR

SIZE

DRAWING NO

10009

-

SCALE

1:2

WEIGHT

0.047 lbs

SHEET 5 OF 5