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## Multi Door Cabinet

Thanks for purchasing my plans for the Multi Door Cabinet. When I built it I had no idea there would be so much interest in it. Our FB page has had hundreds of requests for plans from mechanics, artist, crafters, woodworkers, fishermen, hunters and more. I hope the plans work well for you and you get your cabinet built quickly so you can begin to enjoy the ability to find what you need when you need it. I have not included shelves or hangers or anything like that, just the basic multi door cabinet. I am sure if you have the ability to build this cabinet you also have the ability to customize it to your specific needs.

I do want to go over a few things that may not be spelled out well in the instructions.

I used standard 2x4s, 1x12 (3/4"x 11-1/4") pine shelving and 23/32 x 4 x 8 plywood good 2 sides. I was a little concerned about using plywood as it tends to be a little warped but it worked just fine. Make sure to glue and screw all components together. I used drywall 1-5/8" drywall screws on my cabinet. Also, I found all my hinges at a Habitat Restore for .50 each.

### MATERIALS REQUIRED TO BUILD THIS CABINET

4PCS 4 x 8 x 23/32" Plywood good two sides (flat as available)  
3PCS 1 x 12 x 8' Pine Shelving  
1PC 1 x 12 x 12' Pine Shelving  
3PC 2 x 4 x 8'  
Scrap pieces 1/4" thick  
24 3-1/2 x 3-1/2 Door Hinges  
1-5/8 Drywall or Deck Screws

### Cabinet Outer Frame

Find a place to assembly the Outer Frame. It needs to be flat but not necessary level. You can use sawhorses by attaching 2x4s about 5' long to the top of each horse. Pay close attention to which boards get screwed to which otherwise the dimensions will not work out correctly. In the case of the Outer Frame the sides get screwed to the top and bottom.

### Cabinet Frame Back

Attach thru the back into the frame with your screws.

### Right and Left Door Frame

Unlike the back the shorter top and bottom are attached to the sides. Notice that the long side being placed near the angled end of the top and bottom is set in a little. Have it start at the short side of the angle and be inset on the long side. If you want to increase the depth of the door feel free to do so, it won't change any of the other dimensions but it will make the cabinet deeper overall.

### Right and Left Door skin

When attaching these please be sure they are on the proper side so that when you close the doors the skins are on the outside. I say this because of the angle cut. They need to interlock when the close

### Cabinet Base

The height of the base cannot be determined until you have your wheels. I used swivel wheels but I think a fixed caster would be better. Measure the height from the bottom of the caster to the top of the plate as shown. The base height will be 1/4" less WITHOUT the 1/4" spacer. The spacer allows the doors to close without hitting the base. They do not need to rest on the base as the casters will take the weight.

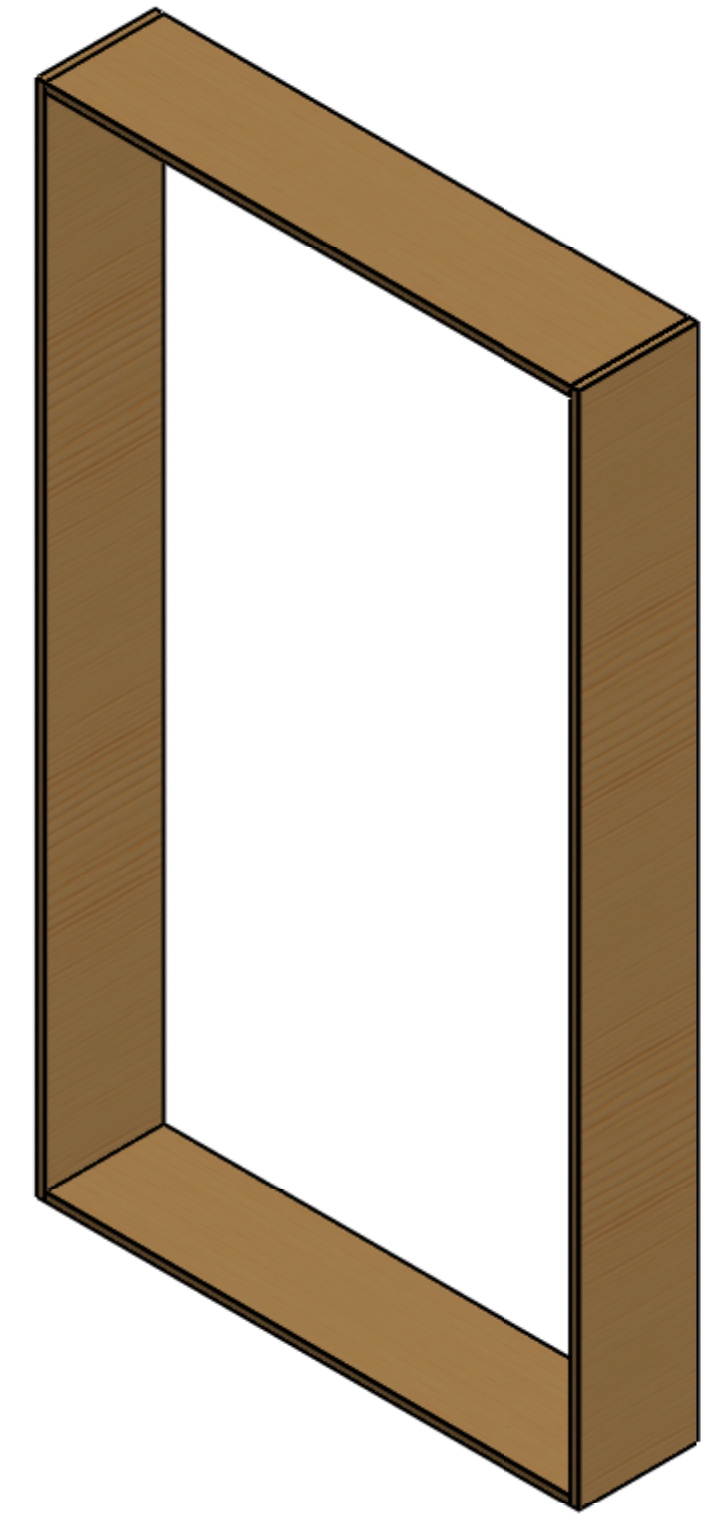
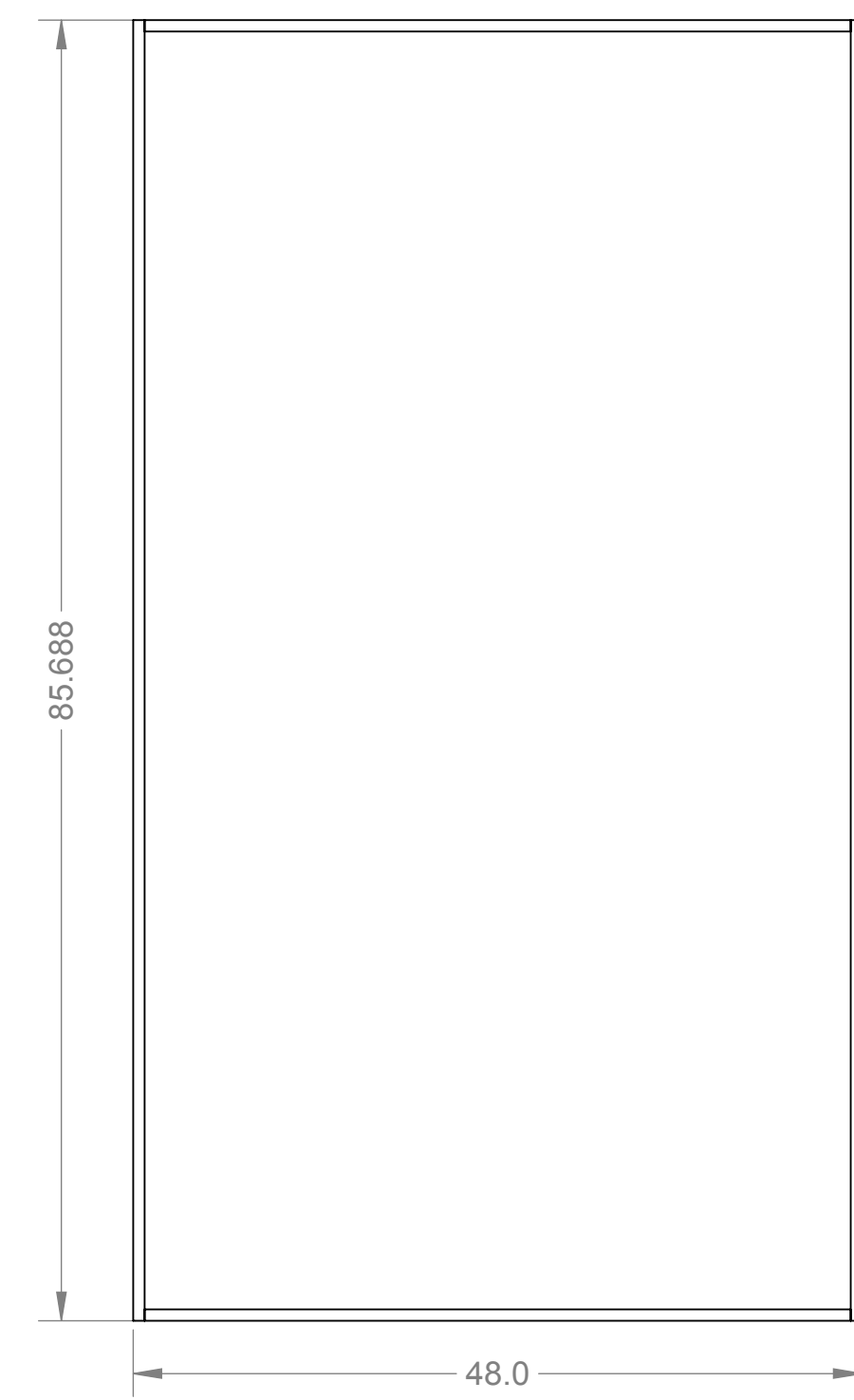
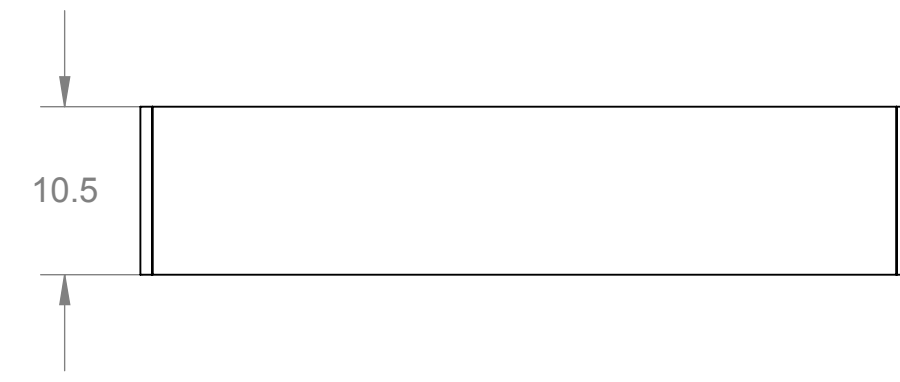
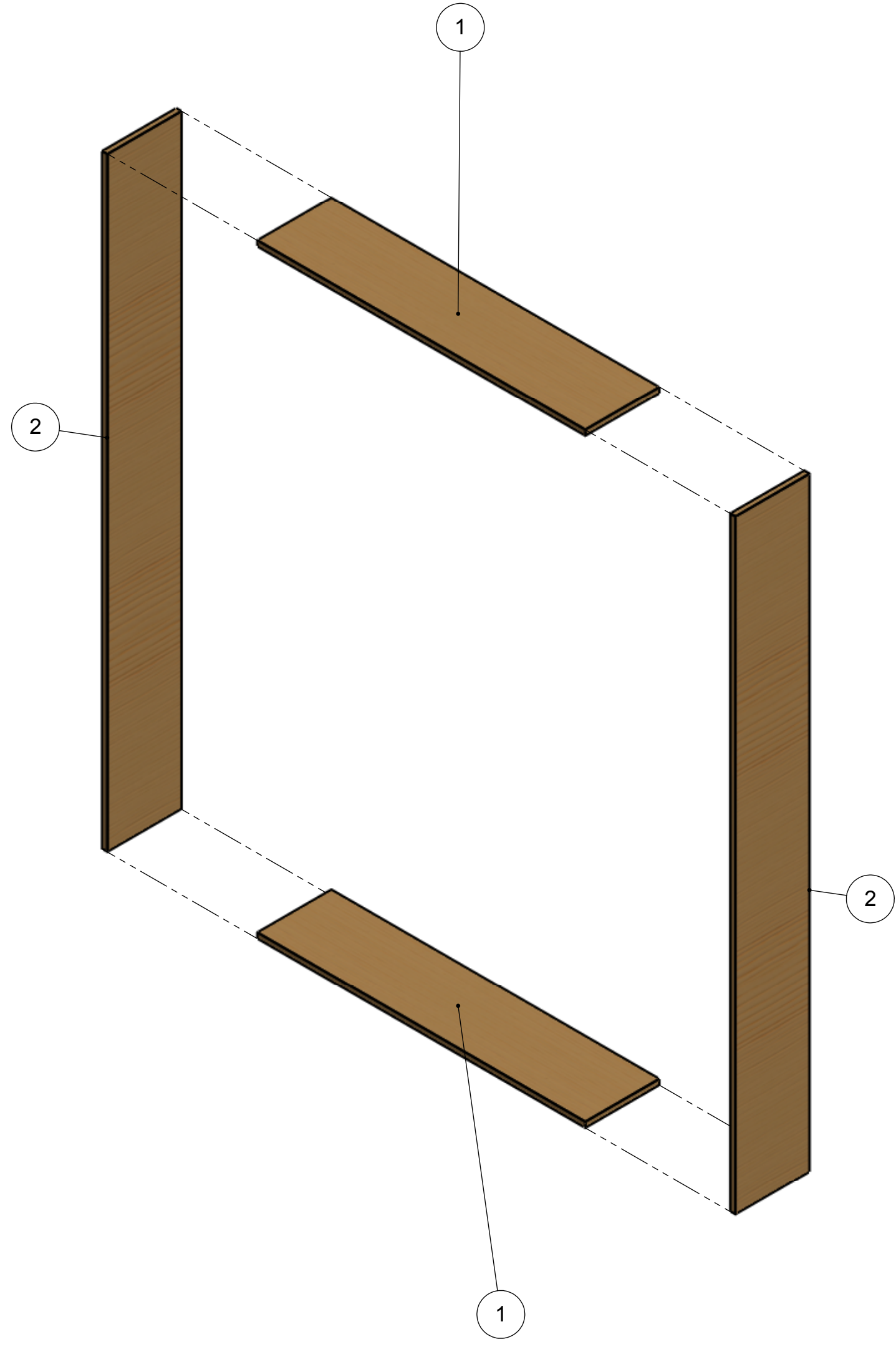
I really hope you take the time to build your cabinet. If you do and it comes out nice send me a picture and I will put it up on our FB page to share with others.

Thank you


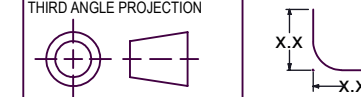
John Michaels  
Specialtytools.com

ITEM NO.	DESCRIPTION	QTY.
1	1" X 10-1/2" X 46-1/2" PINE BOARD	2
2	1" X 10-1/2" X 85-11/16" PINE BOARD	2

REVISION HISTORY					
REV.	DESCRIPTION	DATE	BY	APPROVED	ECN/ECO#
A	CREATED	2/23/2016	J.RAY	J.RAY	

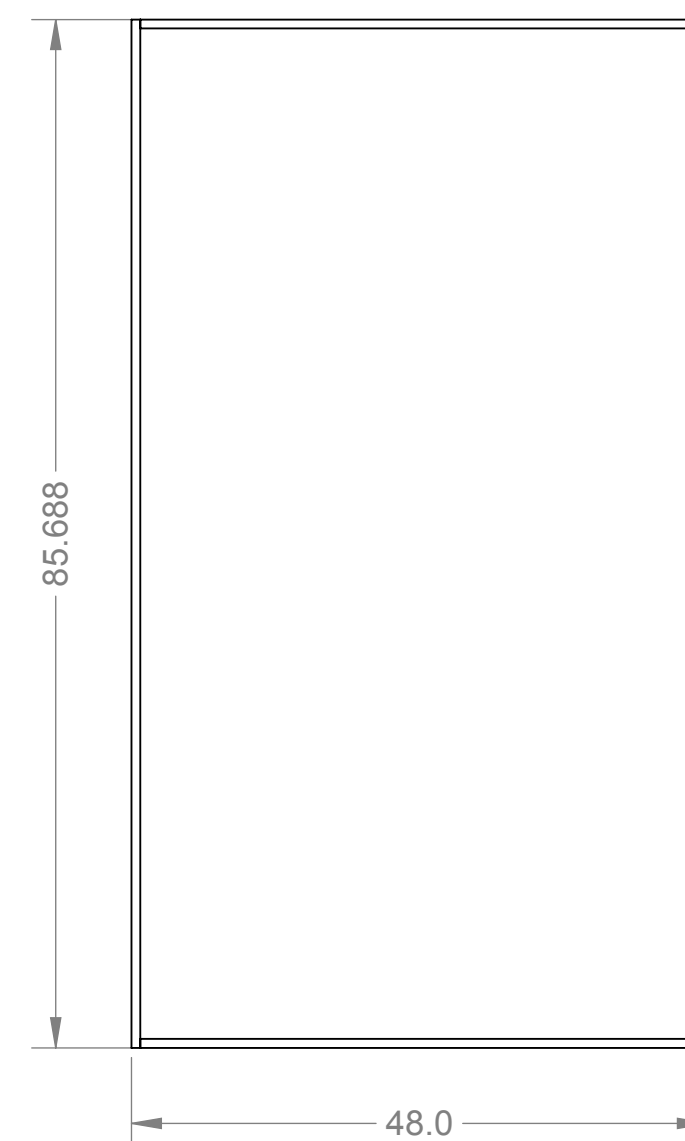
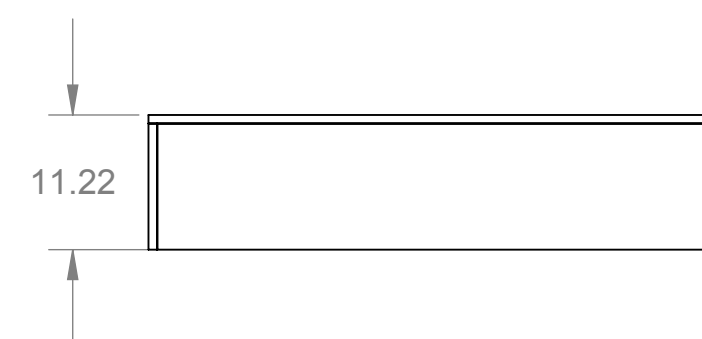
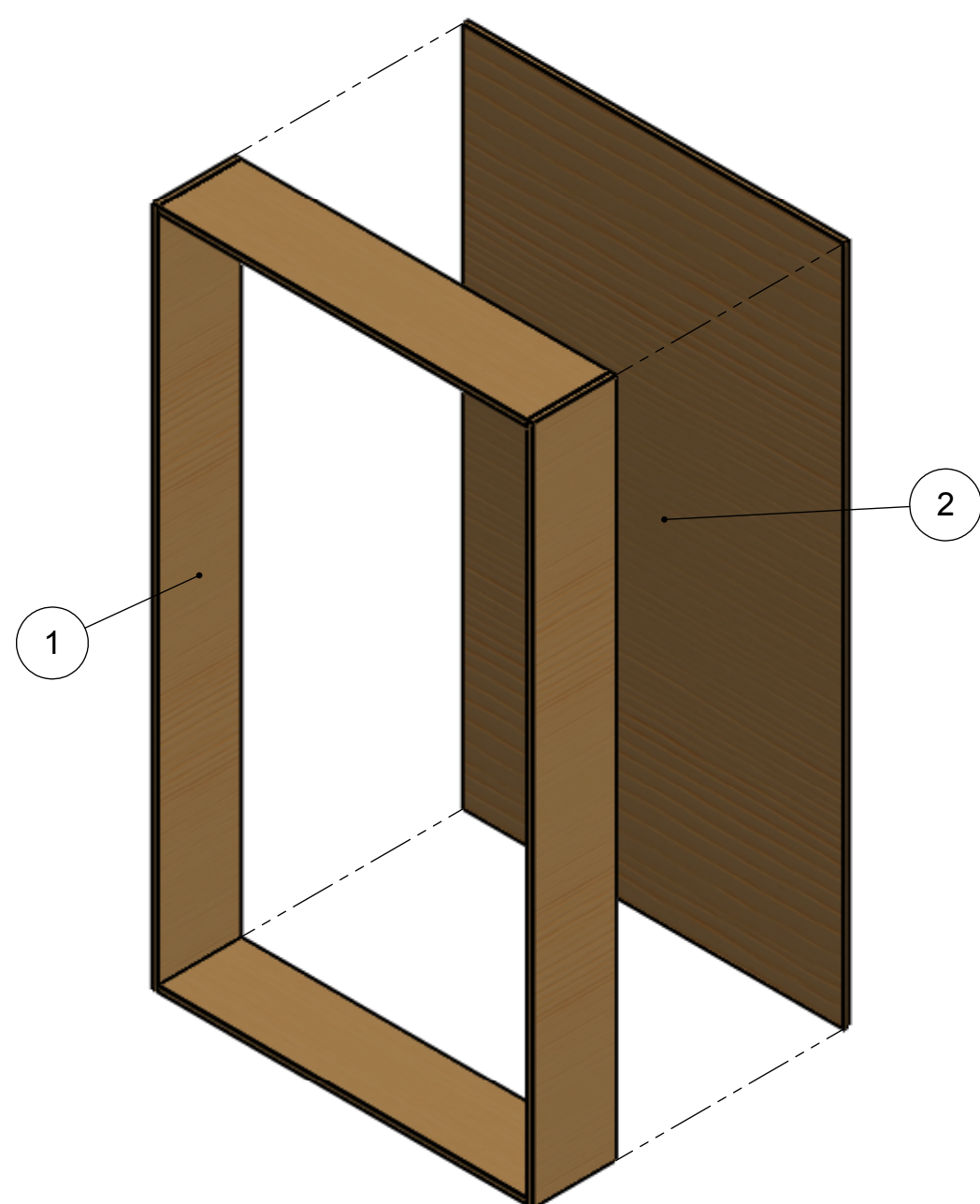


NOTES:  
 1. THE USE OF DRY WALL SCREWS IS RECOMMENDED FOR ASSEMBLY OF THE COMPONENTS.


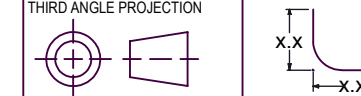
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ANGLES	ALL	±1.0						
REFER TO THE ABOVE DOCS. FOR RELEVANT MFG. TECHNIQUES.	THIRD ANGLE PROJECTION  <b>THIS IS AN ELECTRONIC CAD DRAWING. DO NOT REVISE MANUALLY.</b> <b>DO NOT SCALE DRAWING</b>	SCALE: 1:12   WT:   VOL:	SIZE: DWG NO: <b>A2</b> IC-Cabinet Outer Frame	REV. <b>A</b> SHEET 1 OF 1				

ITEM NO.	DESCRIPTION	QTY.
1	CABINET OUTER FRAME	1
2	48" X 85-11/16" X 23/32" PLYWOOD	1

REVISION HISTORY					
REV.	DESCRIPTION	DATE	BY	APPROVED	ECN/ECO#
A	CREATED	2/23/2016	J.RAY	J.RAY	



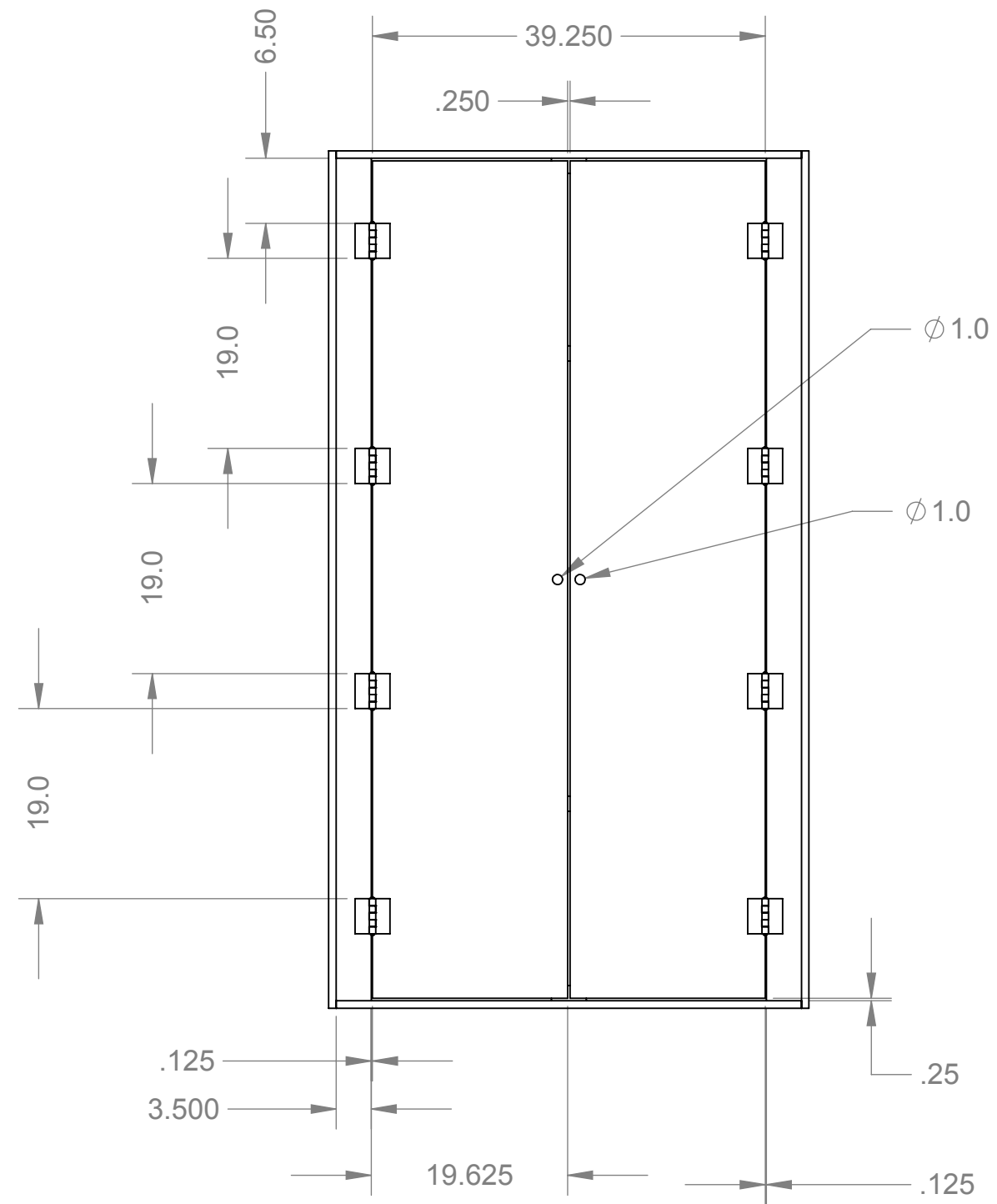
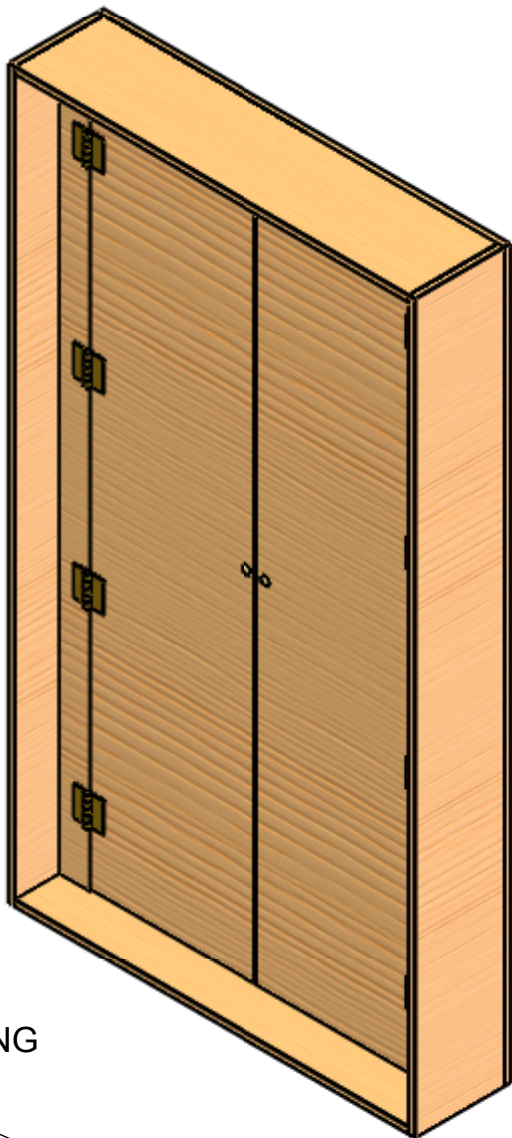
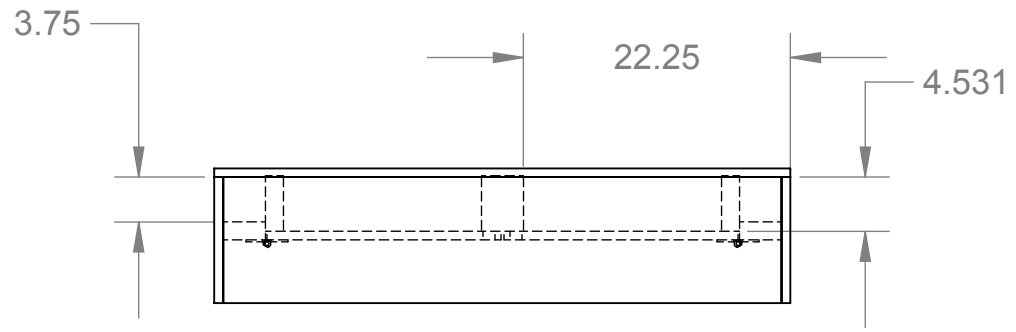
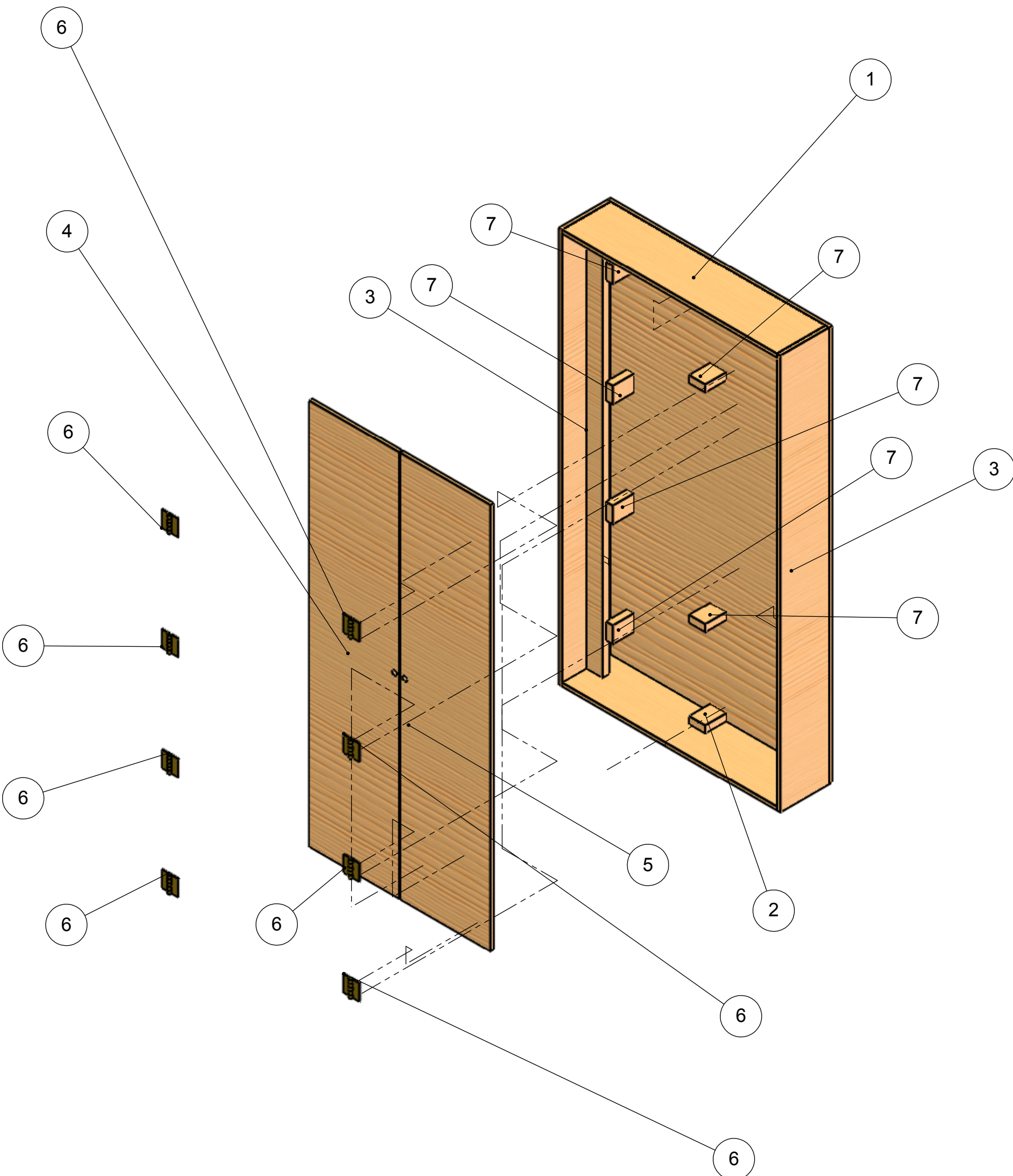
NOTES:  
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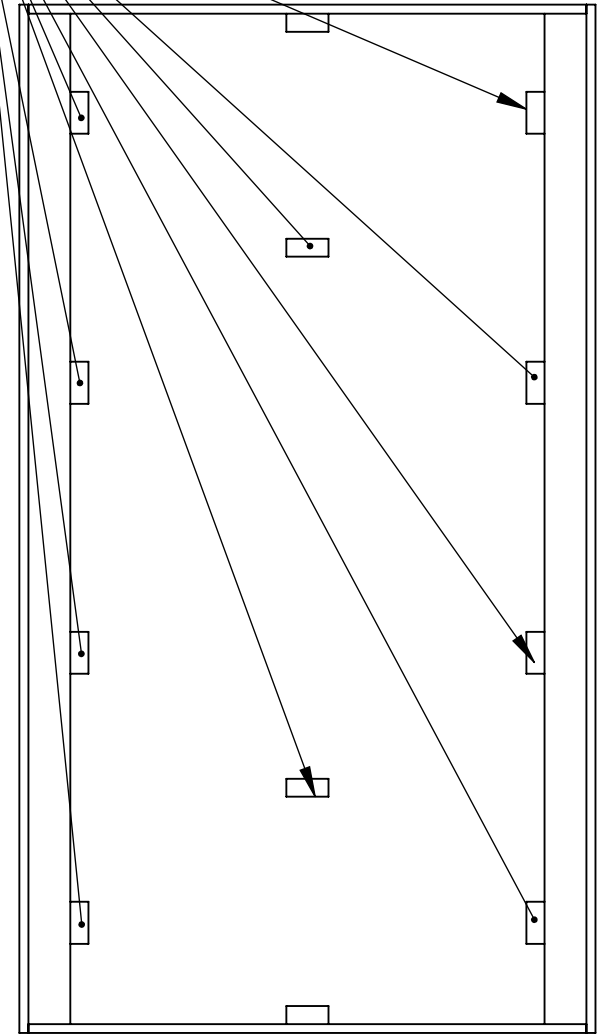


ITEM NO.	DESCRIPTION	QTY.
1	CABINET FRAME	1
2	2" X 4" X 4-5/8" PINE BOARD	2
3	2" X 4" X 84-3/16" PINE BOARD	2
4	19-1/2" X 83-11/16" X 23/32 PLYWOOD	1
5	19-1/2" X 83-11/16" X 23/32 PLYWOOD	1
6	3-1/2" X 3-1/2" HINGE	8
7	2" X 4" X 4-5/8" PINE BOARD (TEMPORARY SPACER FOR DOOR INSTALLATION)	10

REVISION HISTORY					
REV.	DESCRIPTION	DATE	BY	APPROVED	ECN/ECO#
A	CREATED	2/24/2016	J.RAY	J.RAY	





ITEM 10  
TEMPORARILY  
USED WHILE INSTALLING  
ITEMS 4 & 5



DOOR INSTALLATION SPACER LAYOUT

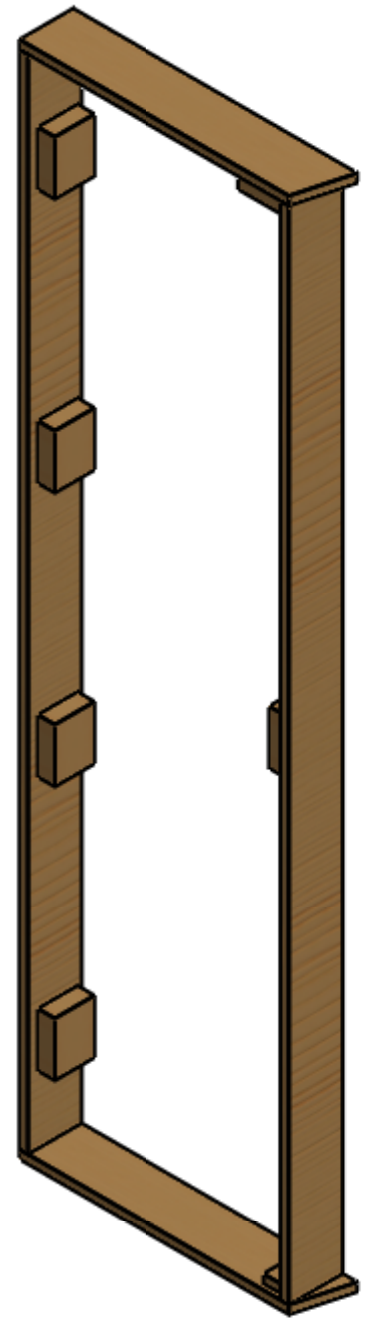
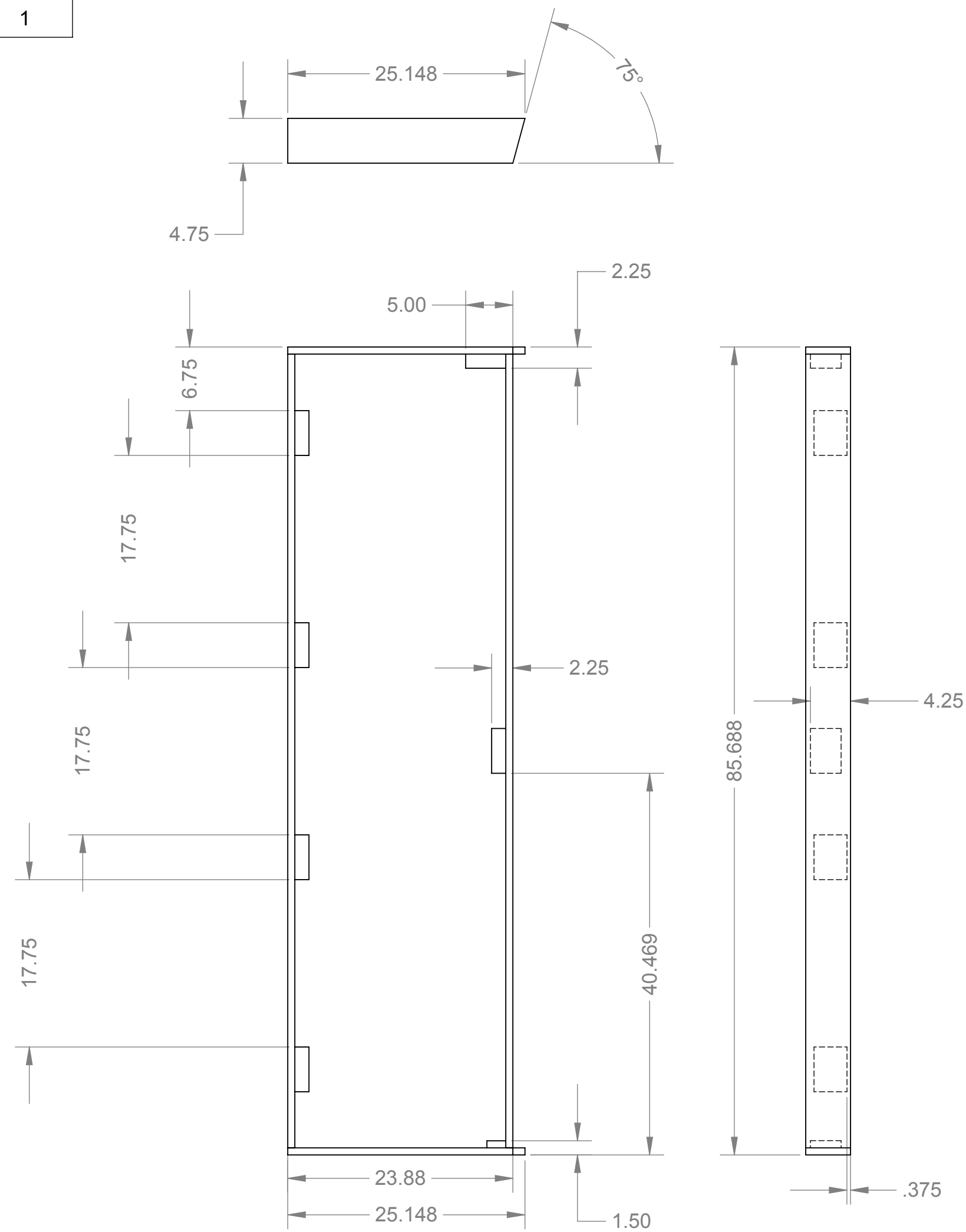
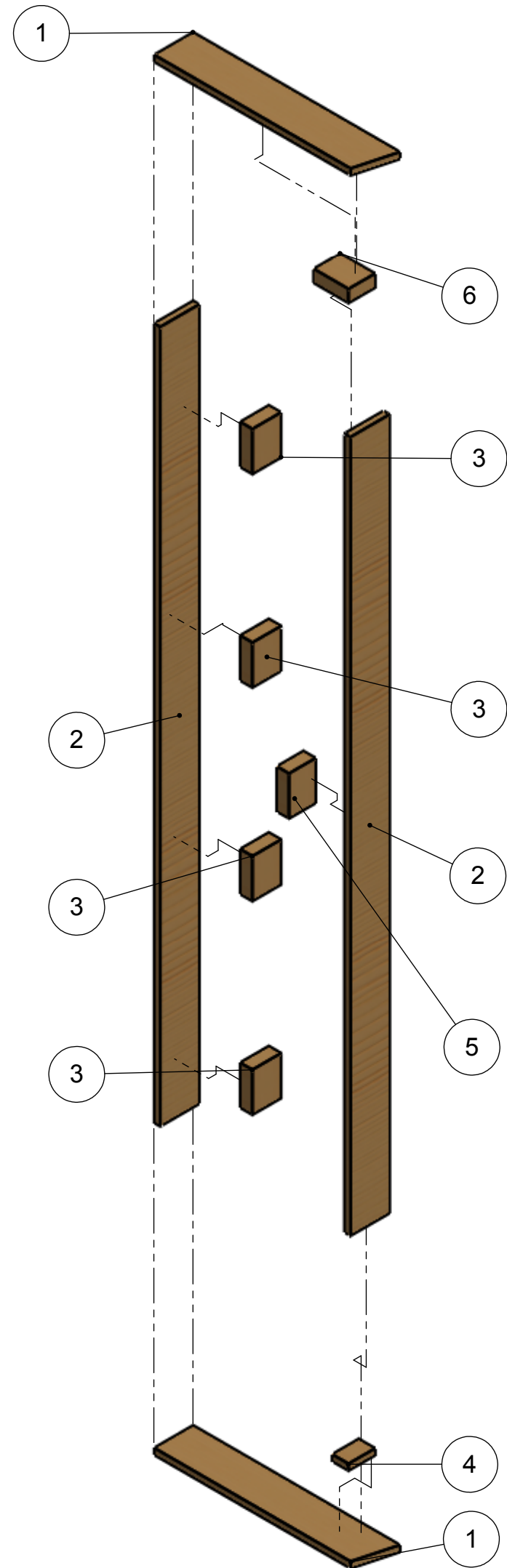
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REFER TO THE ABOVE DOCS. FOR RELEVANT MFG. TECHNIQUES.			REV. <b>A</b>														





ITEM NO.	DESCRIPTION	QTY.
1	1" X 4-3/4" X 25-1/4" PINE BOARD	2
2	1" X 4-3/4" X 84-3/16" PINE BOARD	2
3	2" X 4" X 4-3/4" PINE BOARD	4
4	1" X 2" X 3-1/4" PINE BOARD	1
5	2" X 3-1/4" X 4-3/4" PINE BOARD	1
6	2" X 3-1/4" X 4-1/4" PINE BOARD	1

REVISION HISTORY					
REV.	DESCRIPTION	DATE	BY	APPROVED	ECN/ECO#
A	CREATED	2/23/2016	J.RAY	J.RAY	

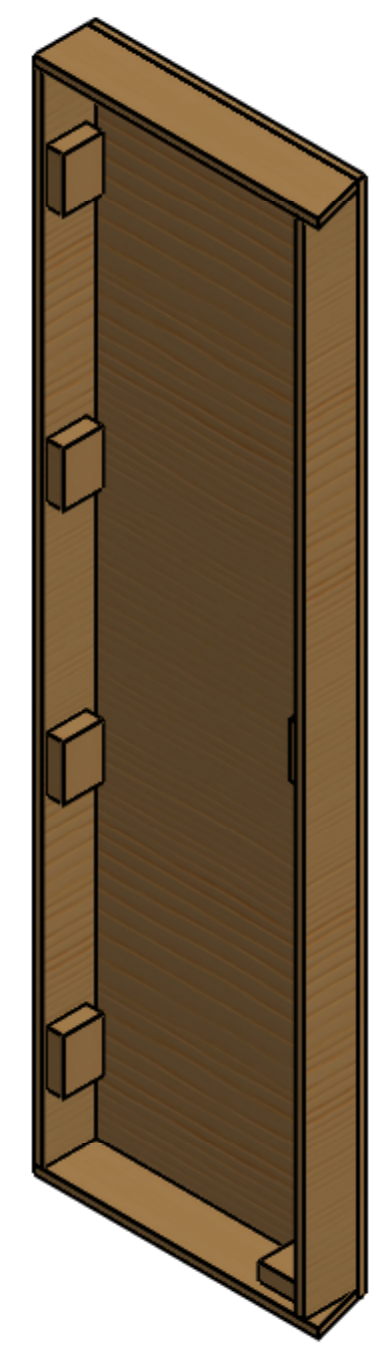
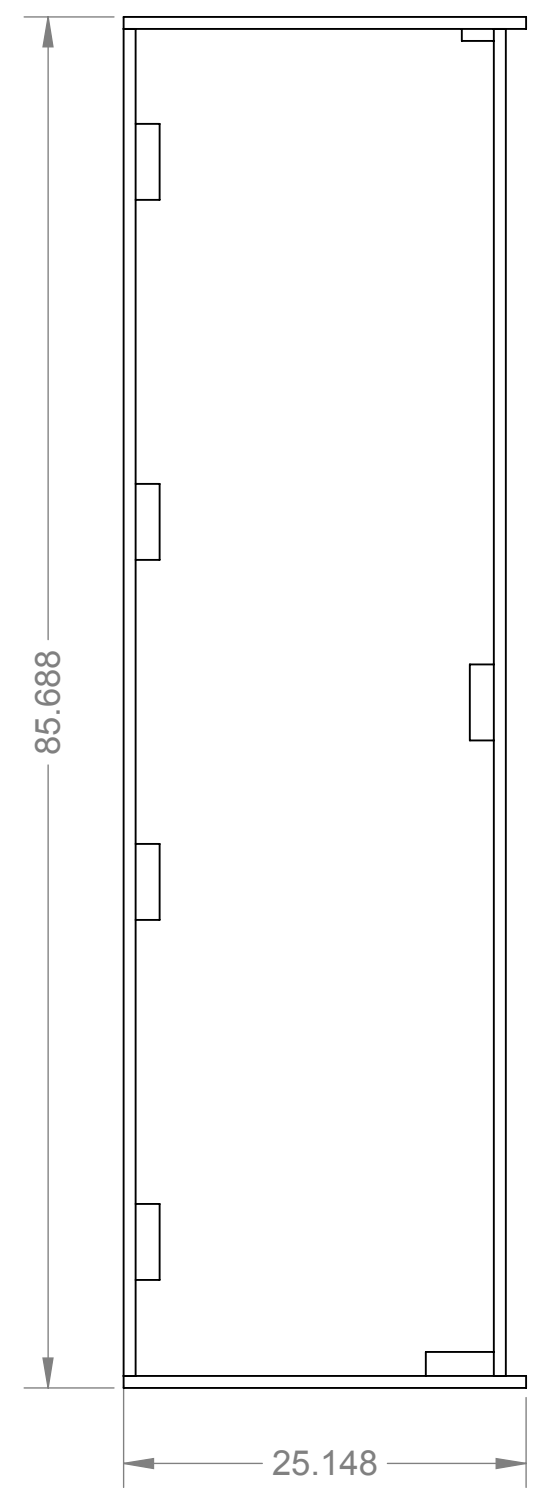
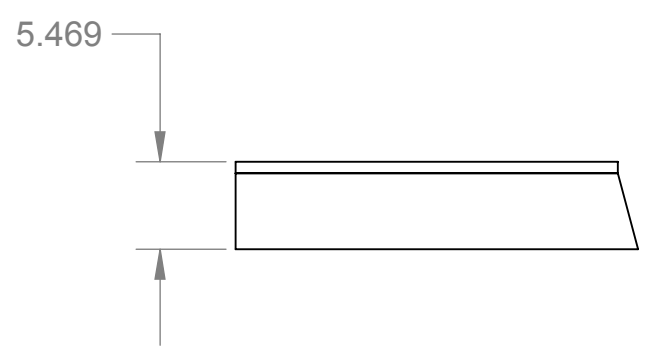
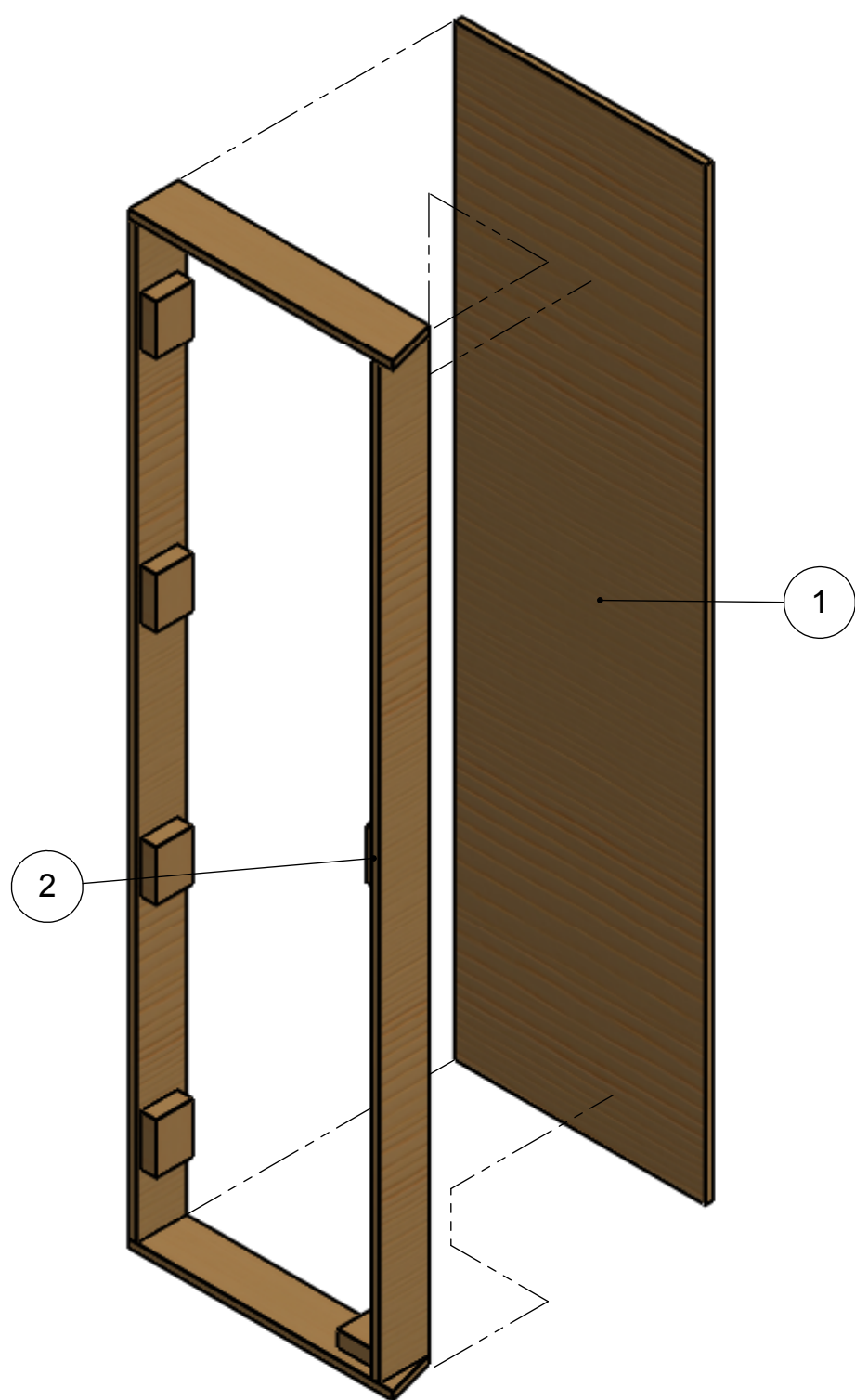


NOTES:  
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REFER TO THE ABOVE DOCS. FOR RELEVANT MFG. TECHNIQUES.				REV. <b>A</b>										

ITEM NO.	DESCRIPTION	QTY.
1	23-7/8" X 85-11/16" X 23/32" PLYWOOD	1
2	RIGHT DOOR OUTSIDE SHELL	1

REVISION HISTORY					
REV.	DESCRIPTION	DATE	BY	APPROVED	ECN/ECO#
A	CREATED	2/23/2016	J.RAY	J.RAY	



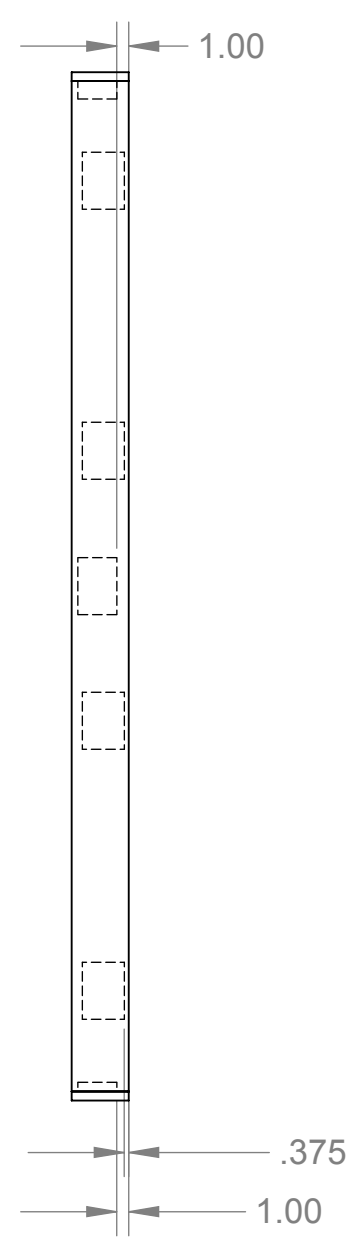
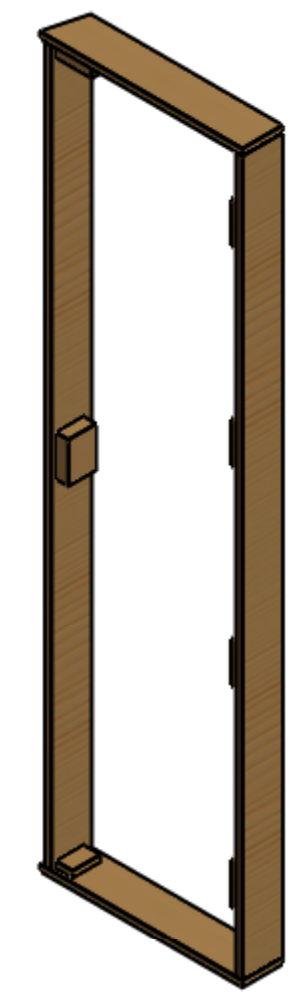
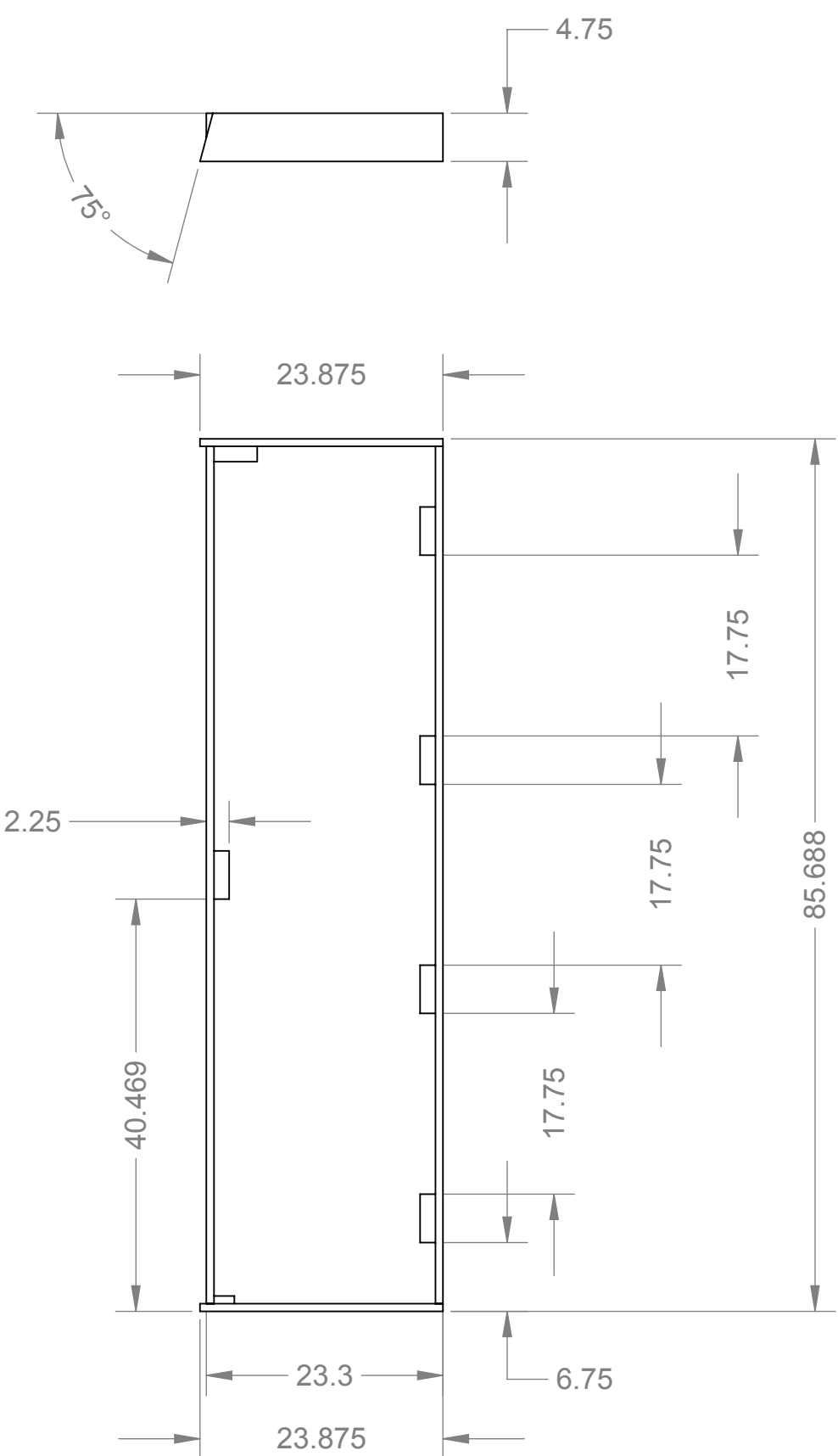
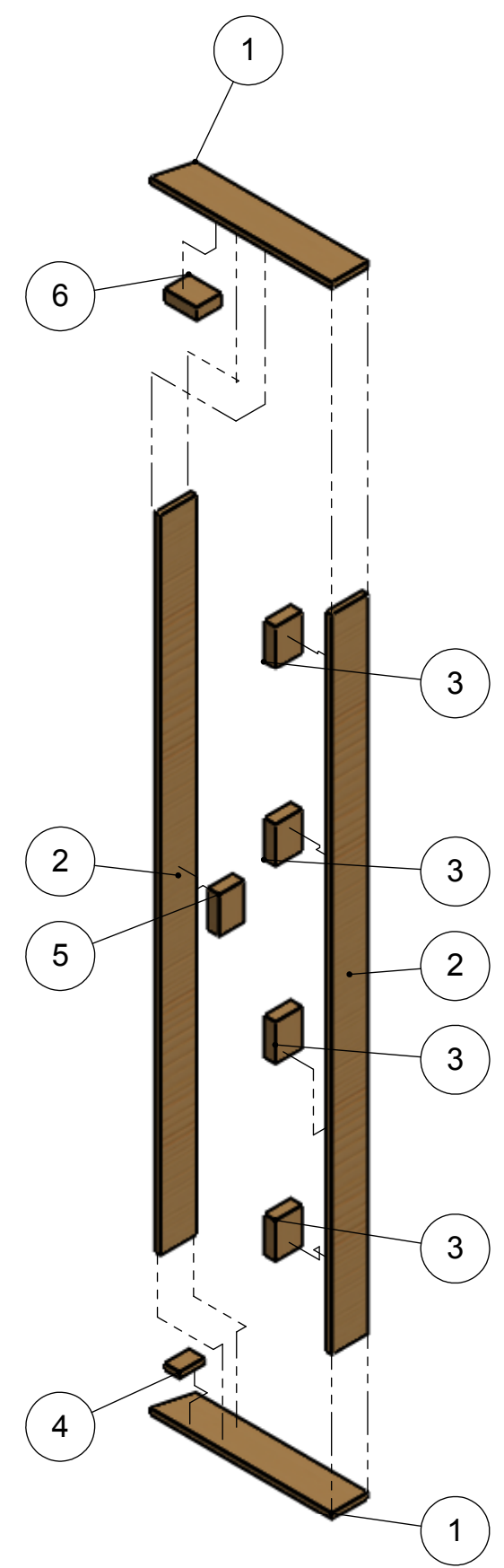
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REFER TO THE ABOVE DOCS. FOR RELEVANT MFG. TECHNIQUES.		SIZE: DWG NO: A2 IC-Right Door Outside Frame	REV. A											
		SCALE: 1:12 WT:	VOL: SHEET 1 OF 1											



ITEM NO.	DESCRIPTION	QTY.
1	1" X 4-3/4" X 23-7/8" PINE BOARD	2
2	1" X 4-3/4" X 84-3/16" PINE BOARD	2
3	2" X 4" X 4-3/4" PINE BOARD	4
4	1" X 2" X 3-1/4" PINE BOARD	1
5	2" X 3-1/4" X 4-3/4" PINE BOARD	1
6	2" X 3-1/4" X 4-1/4" PINE BOARD	1

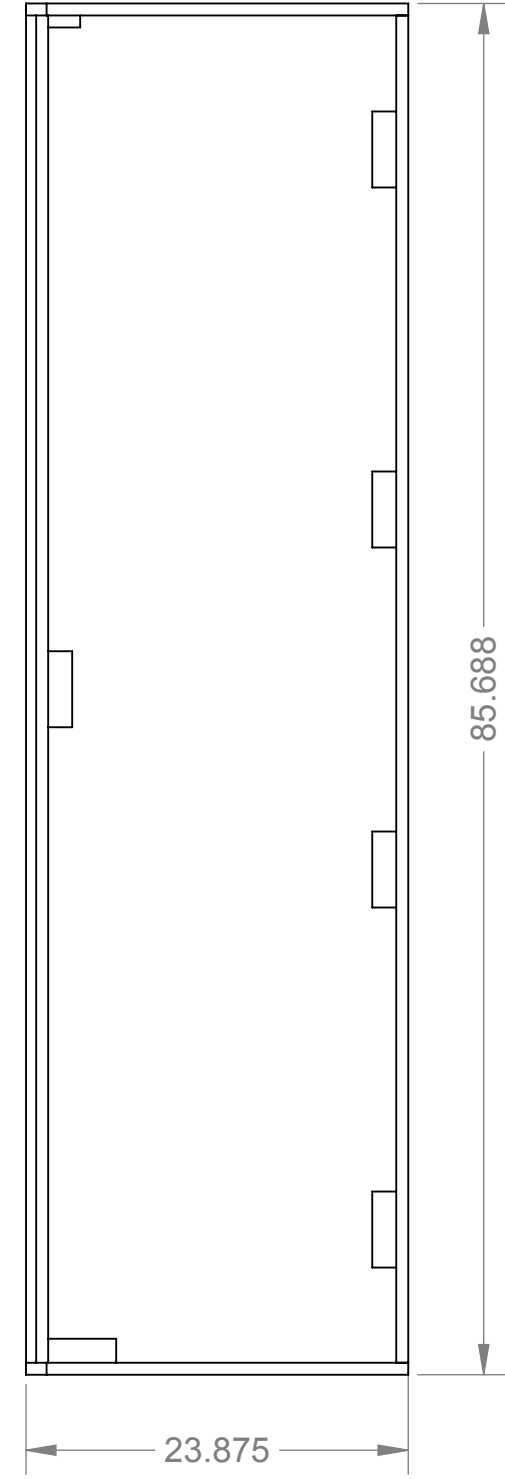
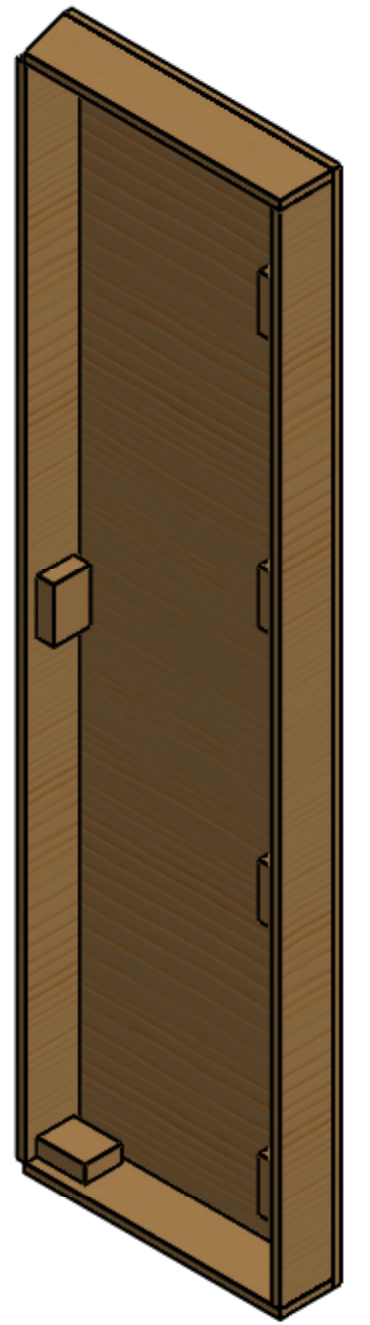
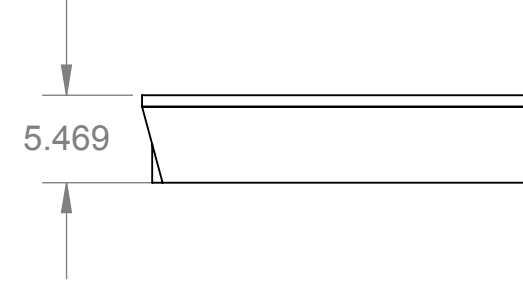
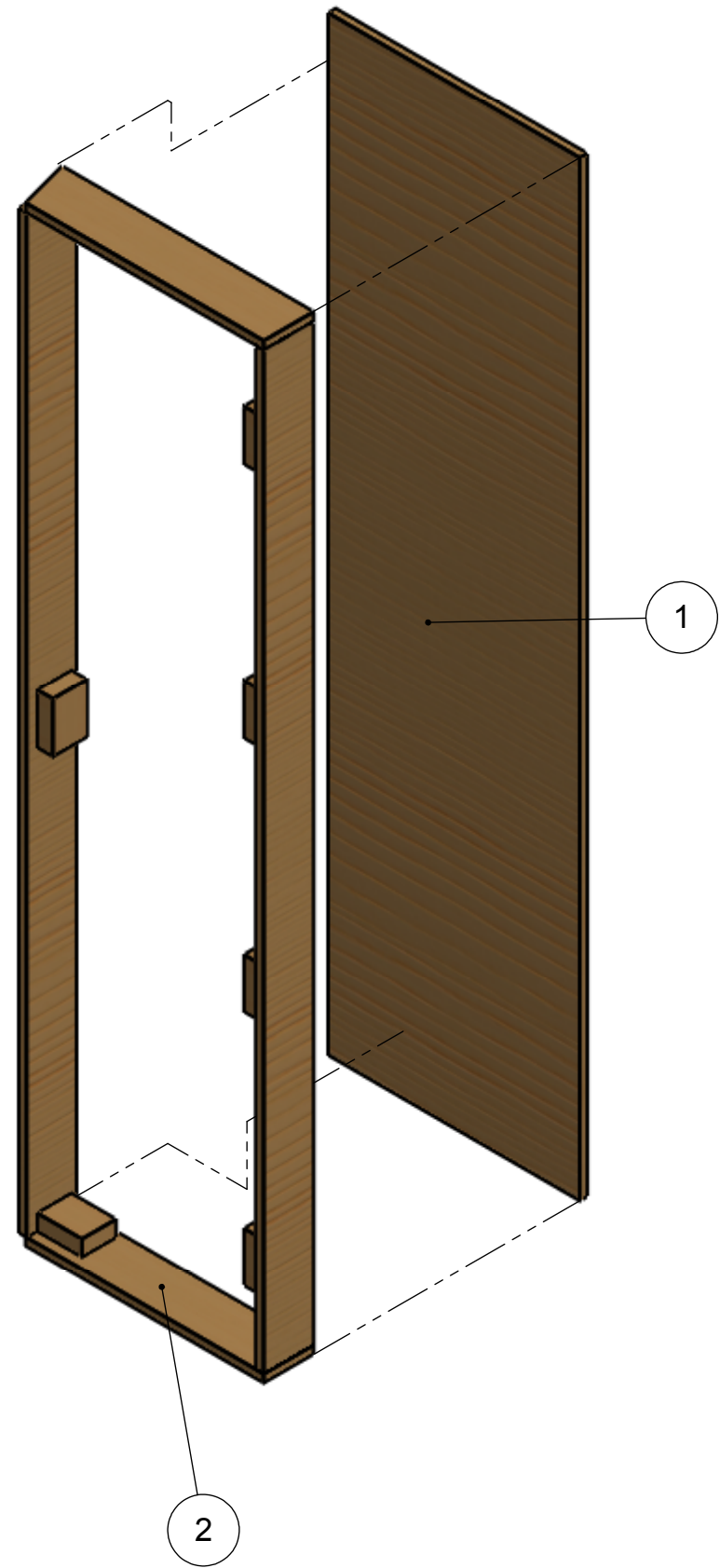
REVISION HISTORY					
REV.	DESCRIPTION	DATE	BY	APPROVED	ECN/ECO#
A	CREATED	2/23/2016	J.RAY	J.RAY	





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REFER TO THE ABOVE DOCS. FOR RELEVANT MFG. TECHNIQUES.		SIZE: DWG NO: A2 IC-Left Door Outside Shell	REV. A					
		SCALE: 1:16 WT:	VOL: SHEET 1 OF 1					

ITEM NO.	DESCRIPTION	QTY.
1	23-7/8" X 85-11/16" X 23/32" PLYWOOD	1
2	LEFT DOOR OUTSIDE SHELL	1

REVISION HISTORY					
REV.	DESCRIPTION	DATE	BY	APPROVED	ECN/ECO#
A	CREATED	2/23/2016	J.RAY	J.RAY	



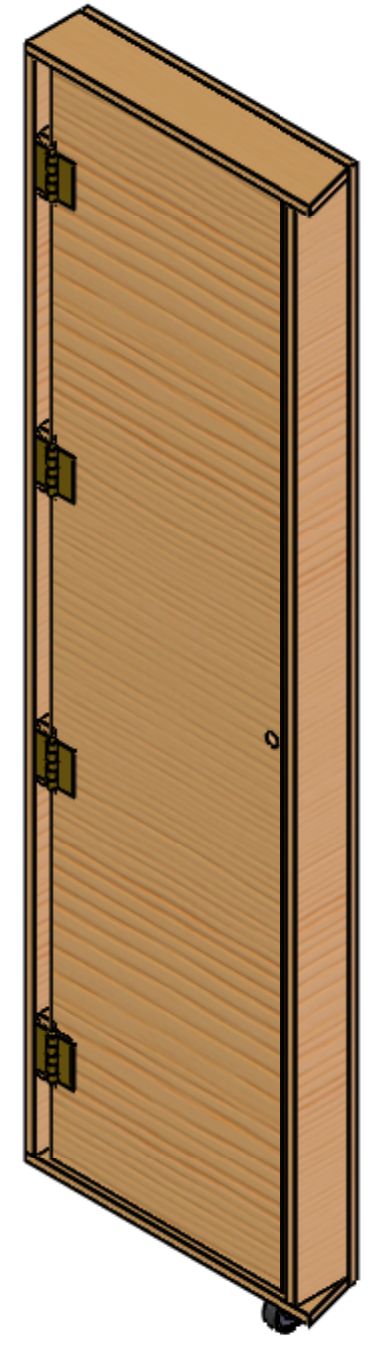
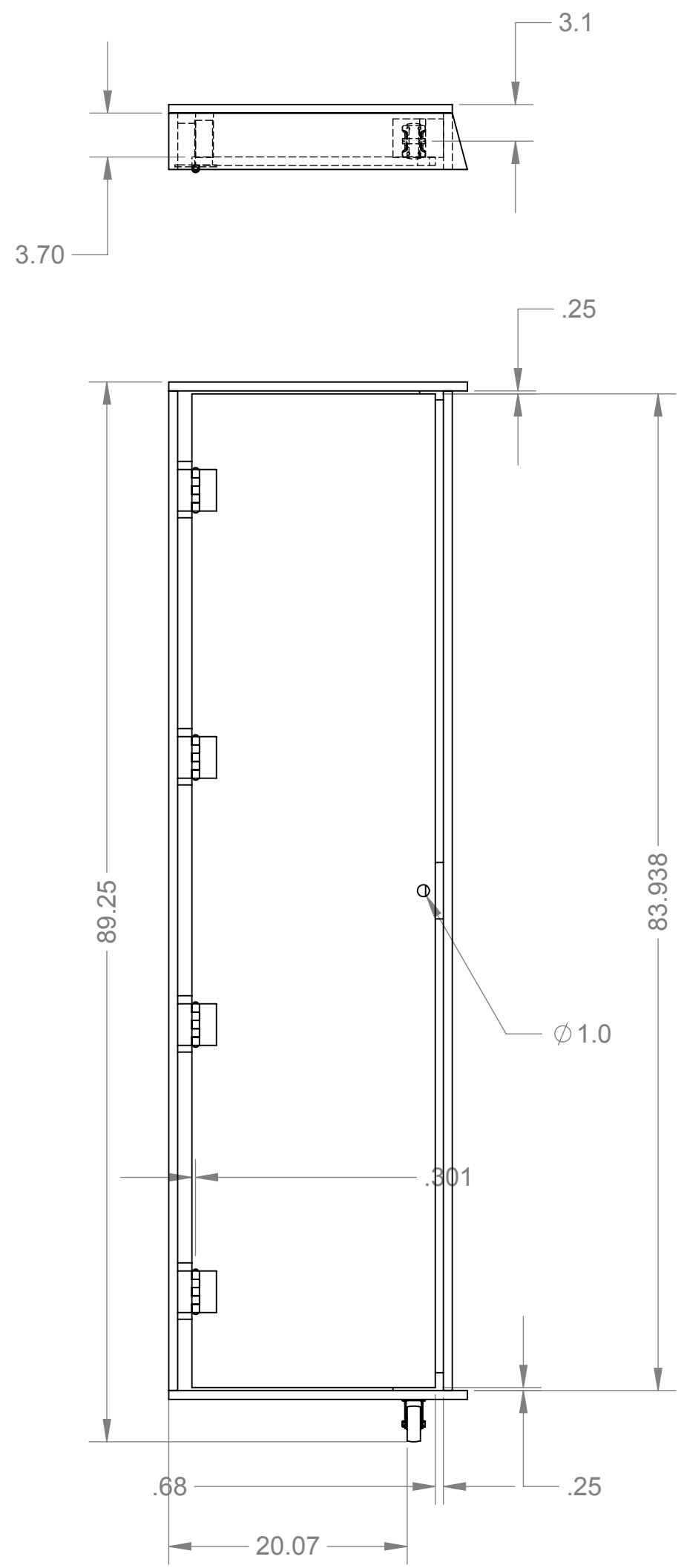
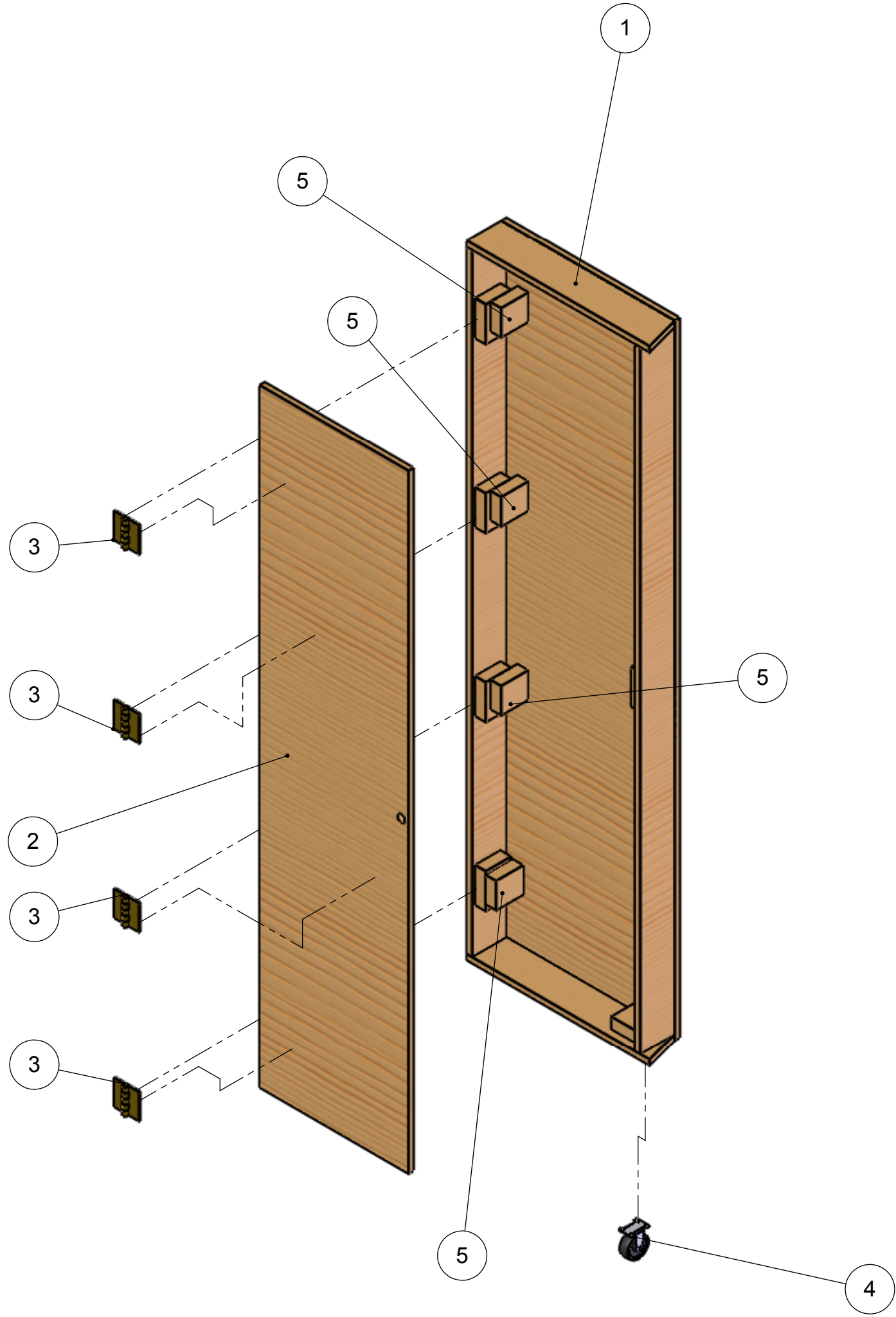
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		SCALE: 1:12 WT:	VOL: SHEET 1 OF 1					





ITEM NO.	DESCRIPTION	QTY.
1	RIGHT DOOR OUTSIDE FRAME	1
2	20-1/2" X 83-11/16" X 23/32" PLYWOOD	1
3	3-1/2" X 3-1/2" HINGE	4
4	3" RIGID CASTER	1
5	2" X 4" X 3-3/4" PINE BOARD (TEMPORARY SPACER FOR INSTALLATION OF DOOR)	4

REVISION HISTORY					
REV.	DESCRIPTION	DATE	BY	APPROVED	ECN/ECO#
A	CREATED	2/23/2016	J.RAY	J.RAY	



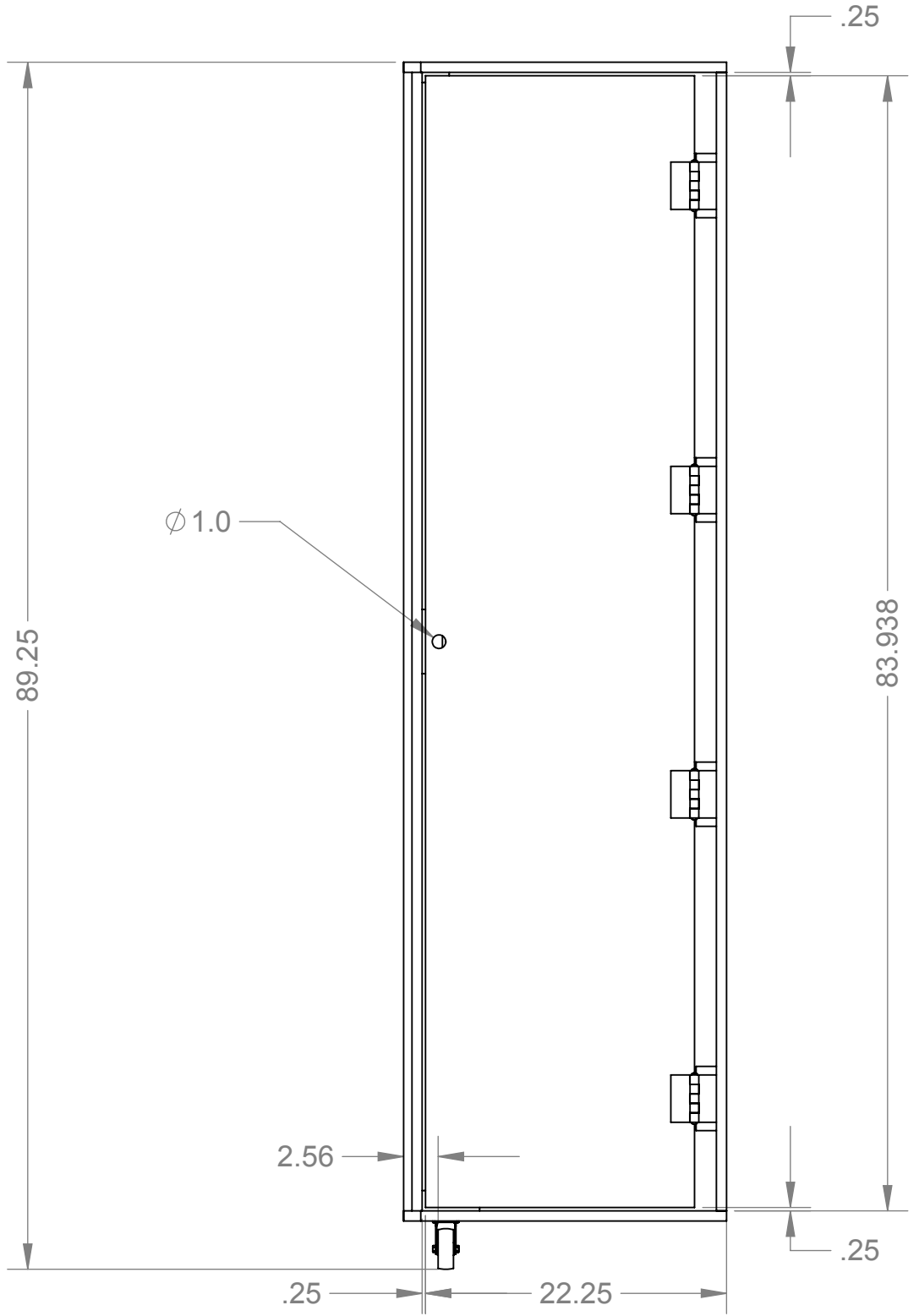
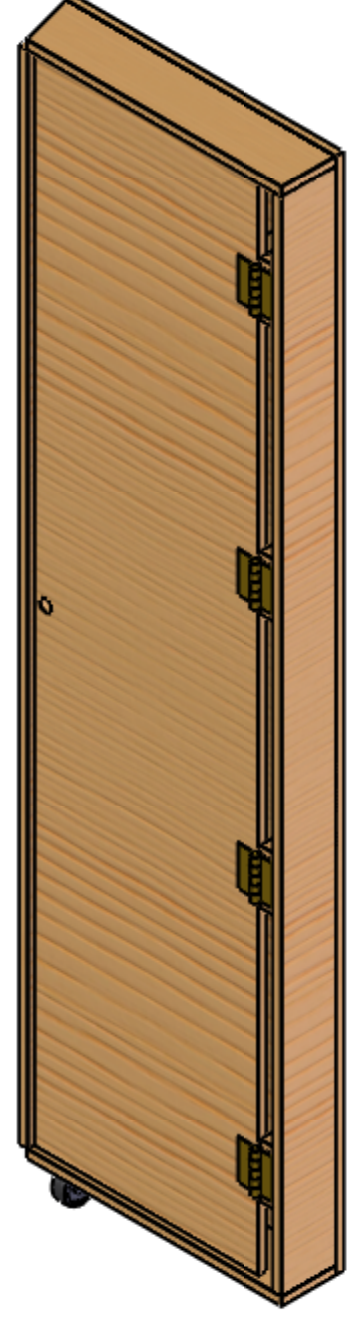
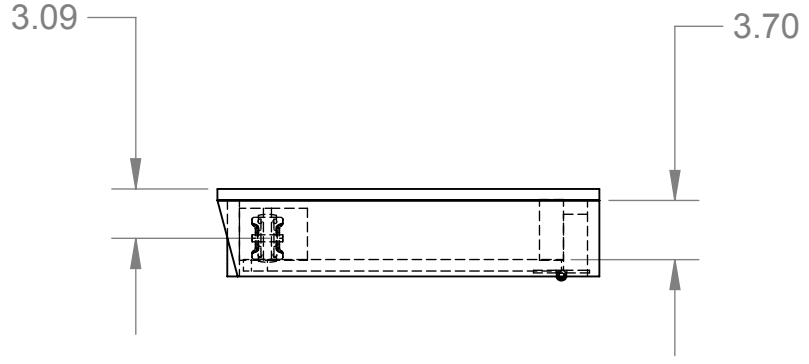
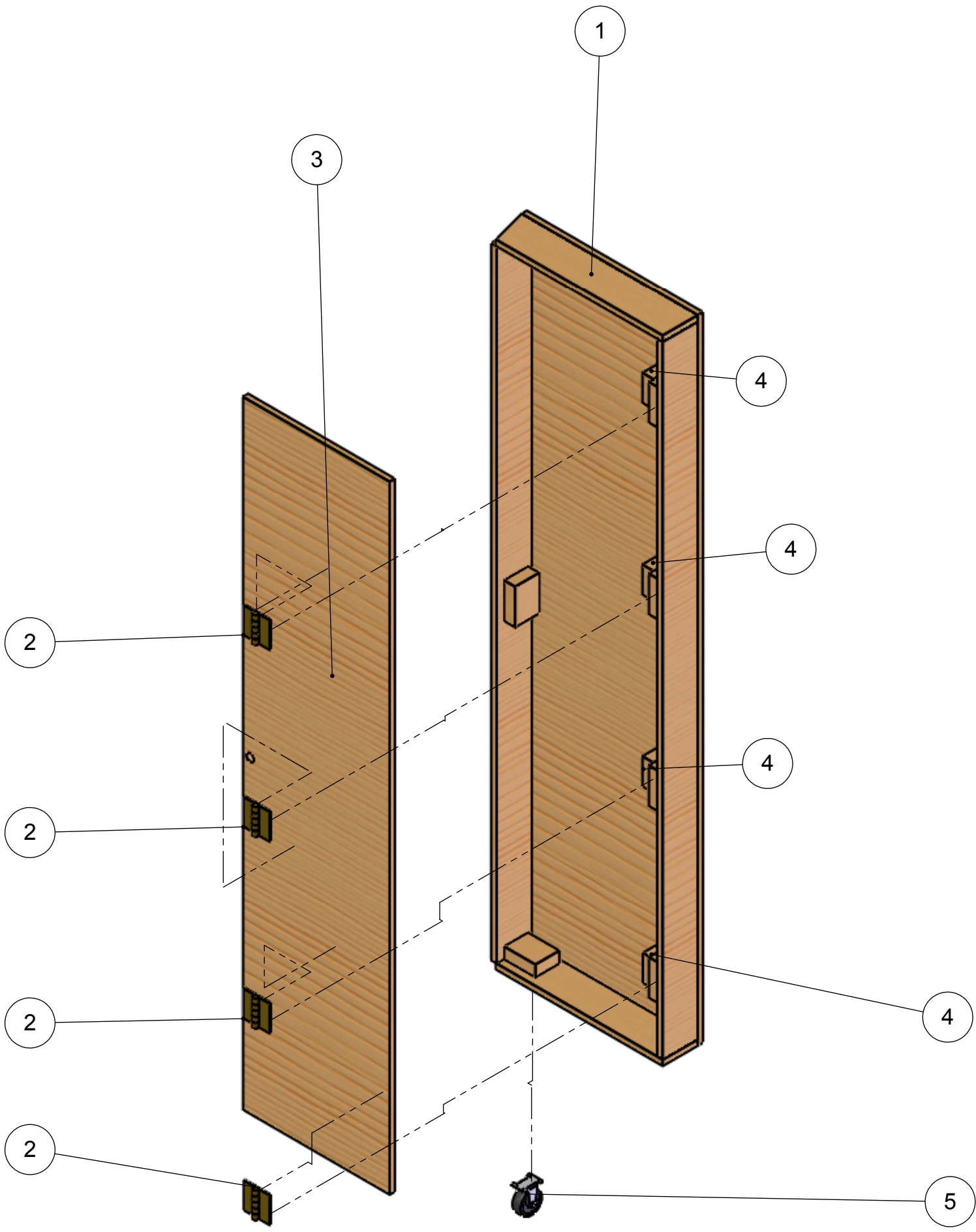
NOTES:  
1. THE USE OF DRY WALL SCREWS FOR ASSEMBLY IS RECOMMENDED.

References:	DIMENSIONS ARE IN INCHES DIMENSIONS IN [ ] ARE IN MM	MATERIAL: N/A	 <b>SPECIALTY TOOLS</b> <small>your one stop source for tools</small>										
	<table border="1"> <tr> <td>ENGLISH (IN)</td> <td>0</td> <td>+0.030</td> </tr> <tr> <td></td> <td>.000</td> <td>+0.015</td> </tr> <tr> <td>METRIC (MM)</td> <td>0</td> <td>+0.8</td> </tr> <tr> <td></td> <td>.000</td> <td>+0.1</td> </tr> </table>	ENGLISH (IN)		0	+0.030		.000	+0.015	METRIC (MM)	0	+0.8		.000
ENGLISH (IN)	0	+0.030											
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	.000	+0.1											
	<table border="1"> <tr> <td>ANGLES</td> <td>ALL</td> <td>±1.0</td> </tr> </table>	ANGLES	ALL	±1.0	<p><b>DIMENSIONS ENCLOSED WITH AN OVAL DENOTE CRITICAL DIMENSIONS SUBJECT TO GREATER INSPECTION.</b></p>								
ANGLES	ALL	±1.0											
	<p>THIRD ANGLE PROJECTION</p> 	<p>DRAFTED BY: Jonathan Ray jonathanrayeng@gmail.com</p>	<p>TITLE: CABINET INTERIOR RIGHT DOOR</p>										
REFER TO THE ABOVE DOCS. FOR RELEVANT MFG. TECHNIQUES.	<p><b>THIS IS AN ELECTRONIC CAD DRAWING. DO NOT REVISE MANUALLY. DO NOT SCALE DRAWING</b></p>	<p>SIZE: DWG NO: A2 IC-Cabinet Right Door</p>	<p>SCALE: 1:12 WT: 131.69 LBS VOL: 3645.21 IN3 SHEET 1 OF 1</p>										



REV. A

ITEM NO.	DESCRIPTION	QTY.
1	LEFT DOOR OUTSIDE FRAME	1
2	3-1/2" X 3-1/2" HINGE	4
3	19-7/8" X 83-11/16" X 23/32" PLYWOOD	1
4	2" X 4" X 3-3/4" PINE BOARD (TEMPORARY SPACER FOR INSTALLATION OF DOOR)	4
5	3" RIGID CASTER	1

REVISION HISTORY					
REV.	DESCRIPTION	DATE	BY	APPROVED	ECN/ECO#
A	CREATED	2/23/2016	J.RAY	J.RAY	



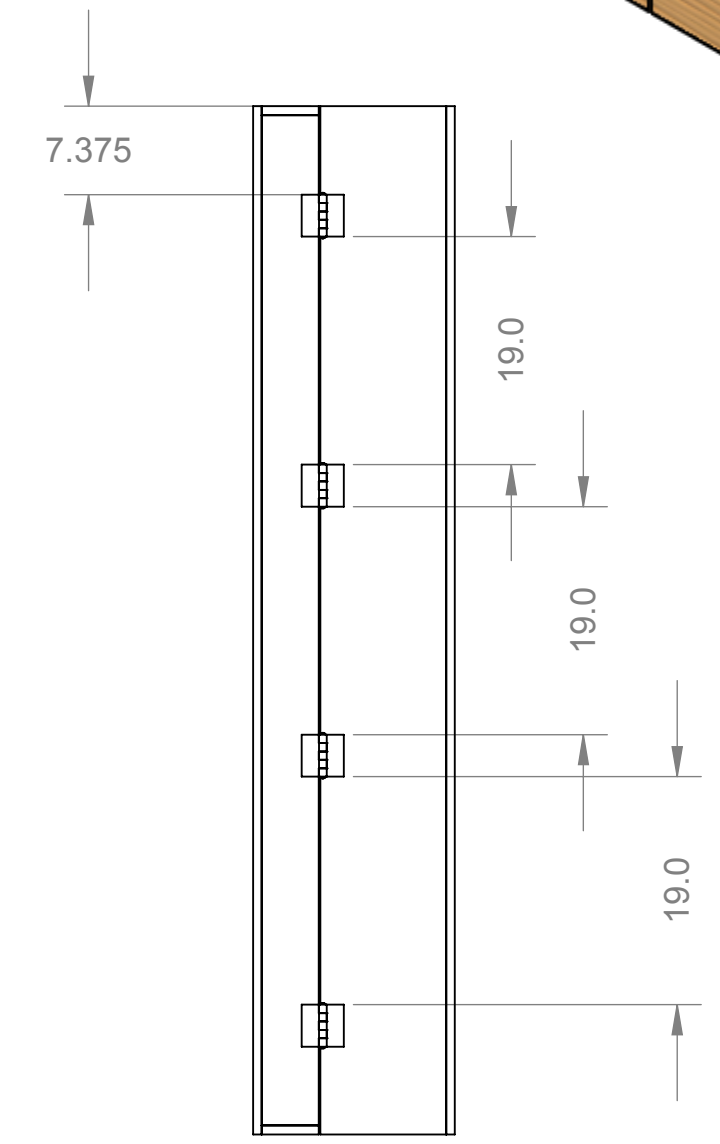
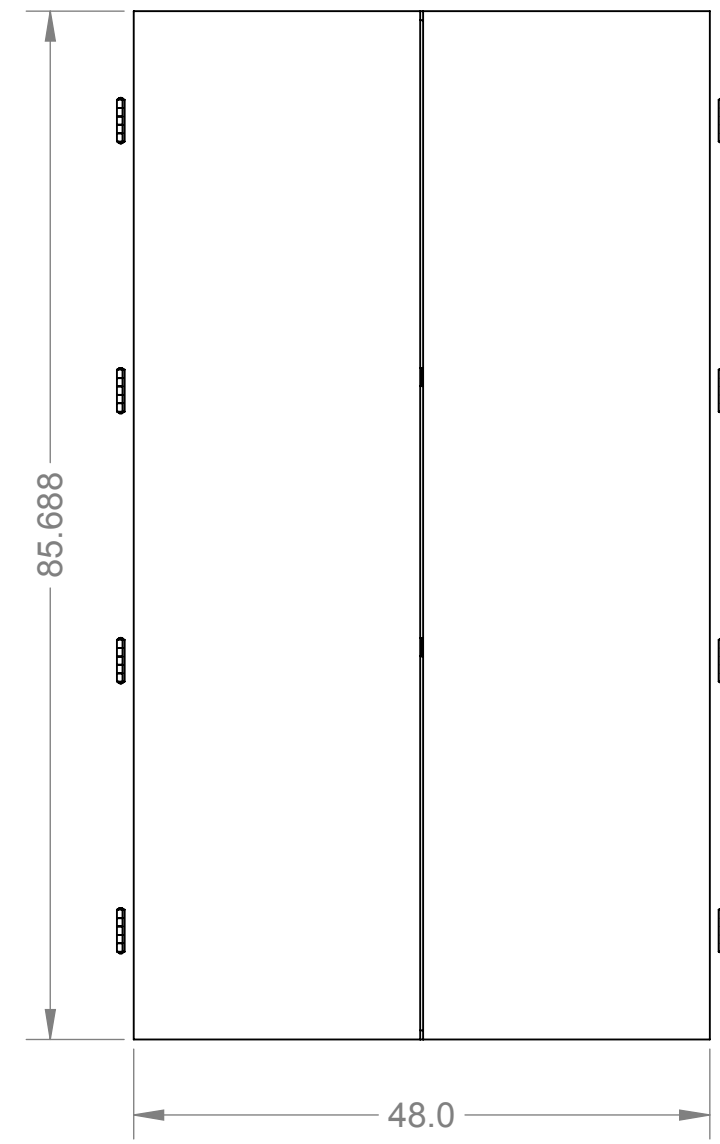
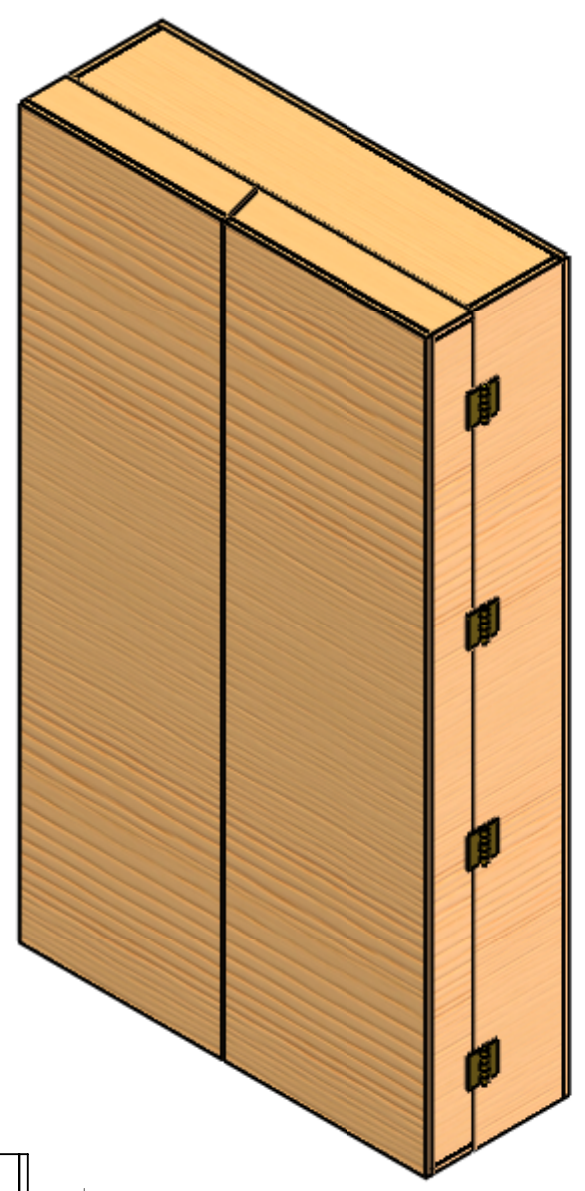
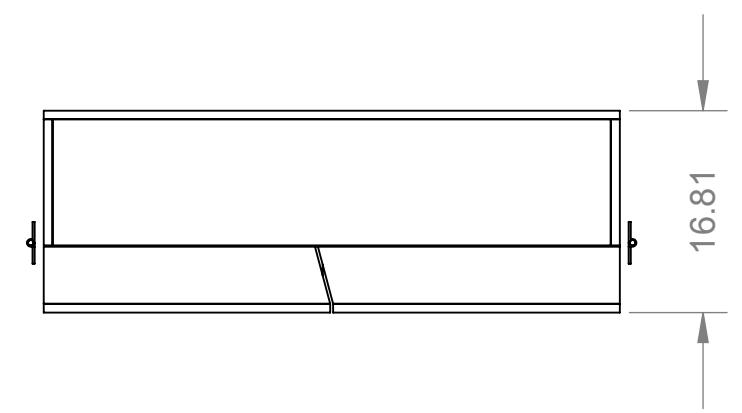
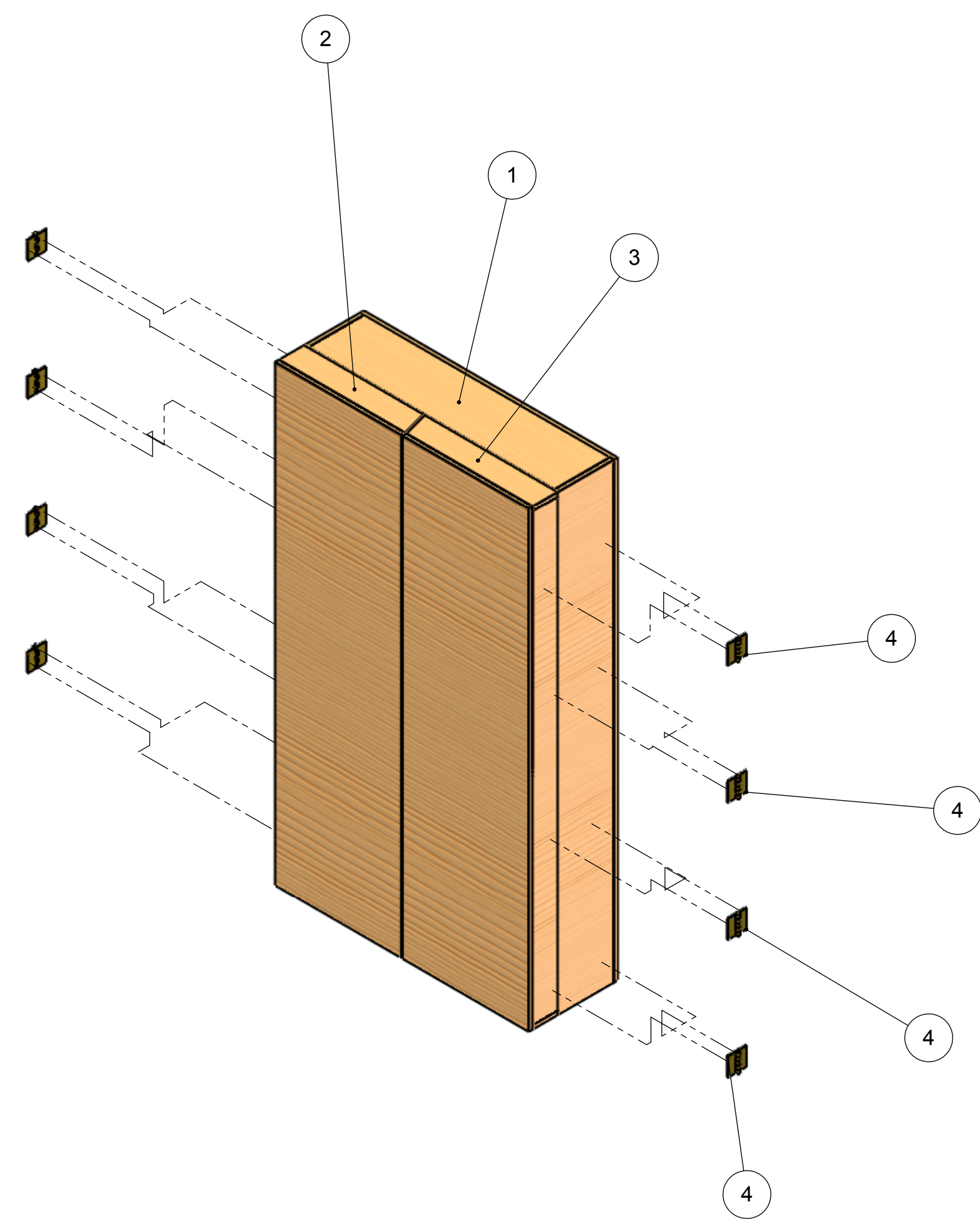
NOTES:  
 1. THE USE OF DRY WALL SCREWS IS RECOMMENDED FOR ASSEMBLY.

References:	DIMENSIONS ARE IN INCHES DIMENSIONS IN [ ] ARE IN MM	MATERIAL: N/A																
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ENGLISH (IN)	0	+0.00	+0.030															
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	.00	.00	±0.05															
DIMENSIONS ENCLOSED WITH AN OVAL DENOTE CRITICAL DIMENSIONS SUBJECT TO GREATER INSPECTION.  DRAFTED BY: Jonathan Ray jonathanrayeng@gmail.com	DIMENSIONS ENCLOSED WITH AN OVAL DENOTE CRITICAL DIMENSIONS SUBJECT TO GREATER INSPECTION.  <b>THIS IS AN ELECTRONIC CAD DRAWING. DO NOT REVISE MANUALLY. DO NOT SCALE DRAWING</b>	DIMENSIONS ENCLOSED WITH AN OVAL DENOTE CRITICAL DIMENSIONS SUBJECT TO GREATER INSPECTION.  THIRD ANGLE PROJECTION 	REV. <b>A</b>															





ITEM NO.	DESCRIPTION	QTY.
1	CABINET FRAME	1
2	LEFT DOOR OUTSIDE FRAME	1
3	RIGHT DOOR OUTSIDE FRAME	1
4	3-1/2" X 3-1/2" HINGE	8

REVISION HISTORY					
REV.	DESCRIPTION	DATE	BY	APPROVED	ECN/ECO#
A	CREATED	2/23/2016	J.RAY	J.RAY	



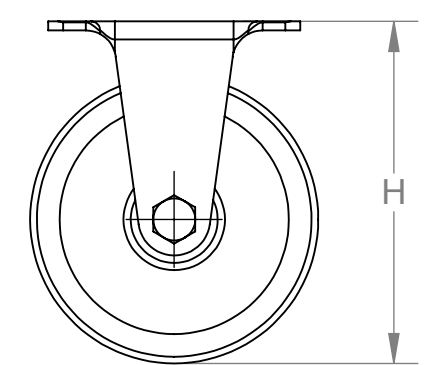
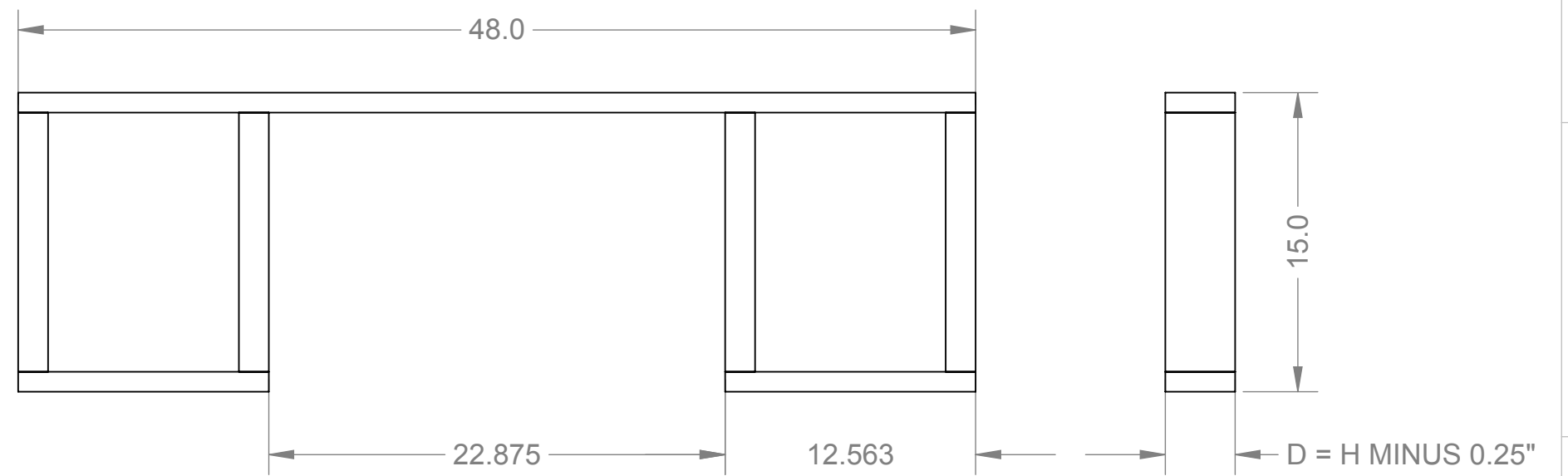
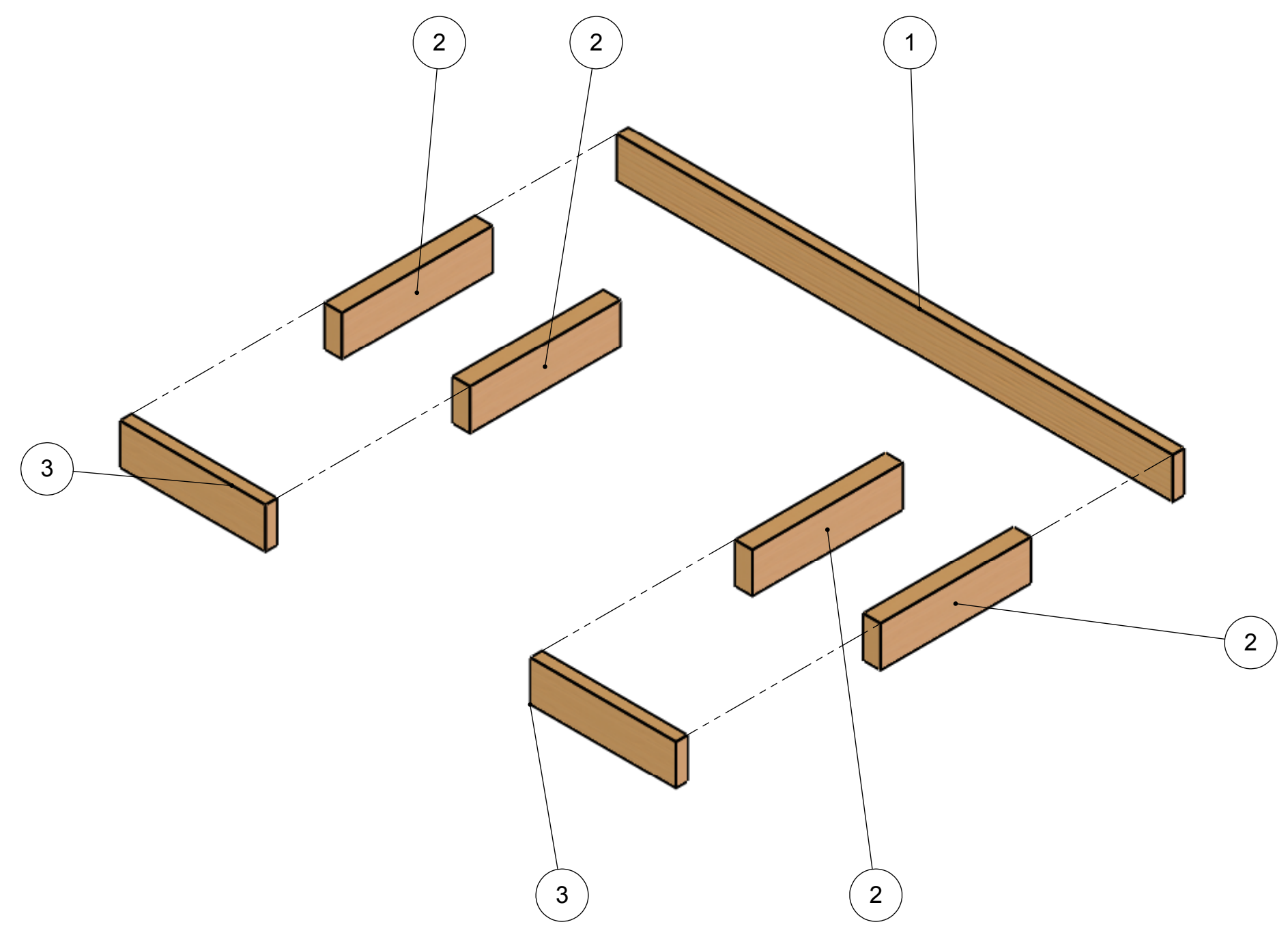
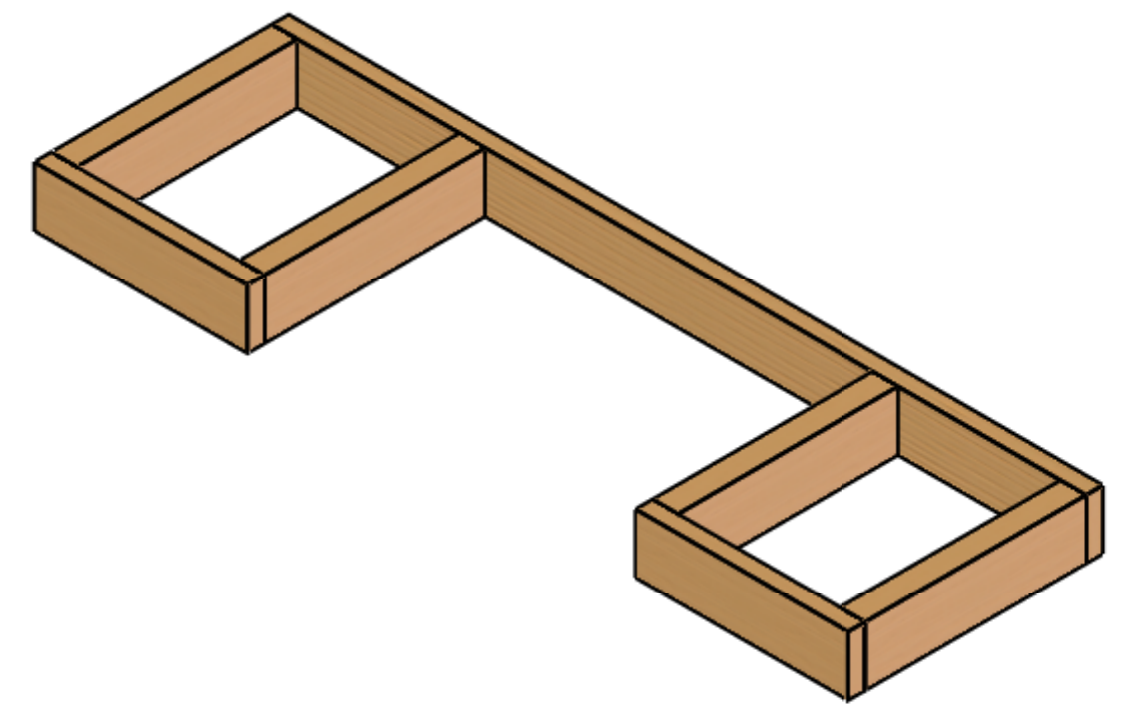
NOTES:  
 1. THE USE OF DRY WALL SCREWS IS RECOMMENDED FOR ASSEMBLY.

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	.000	+0.1												
ANGLES ALL ±1.0 THIRD ANGLE PROJECTION  <b>THIS IS AN ELECTRONIC CAD DRAWING. DO NOT REVISE MANUALLY. DO NOT SCALE DRAWING</b>	DIMENSIONS ENCLOSED WITH AN OVAL DENOTE CRITICAL DIMENSIONS SUBJECT TO GREATER INSPECTION.		SIZE: DWG NO: <b>A2</b> IC-Cabinet Outside Door Installation SCALE: 1:16 WT: 446.73 LBS VOL: 15799.85 IN3 SHEET 1 OF 1											

REV. **A**


ITEM NO.	DESCRIPTION	QTY.
1	1-1/4" X 4" X 48" PINE BOARD	1
2	2" X 4" X 13" PINE BOARD	4
3	1-1/4" X 4" X 12-9/16" PINE BOARD	2

REVISION HISTORY					
REV.	DESCRIPTION	DATE	BY	APPROVED	ECN/ECO#
A	CREATED	2/23/2016	J.RAY	J.RAY	



DETAIL A  
WHEEL CASTER

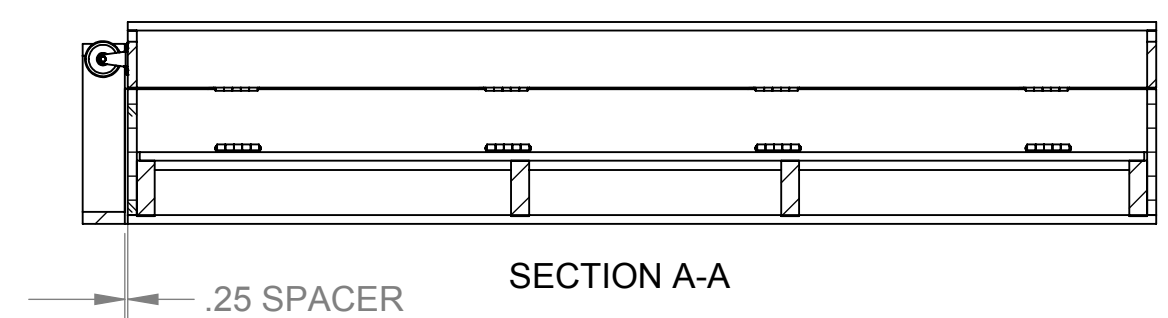
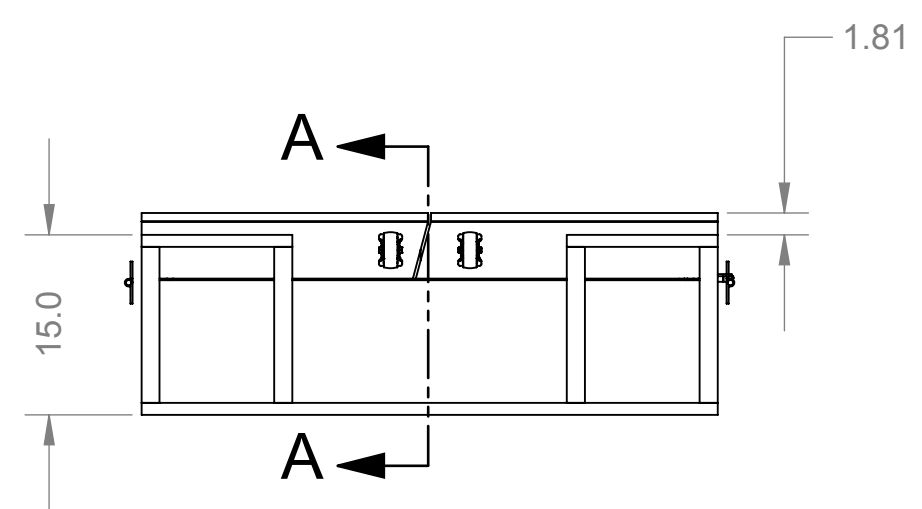
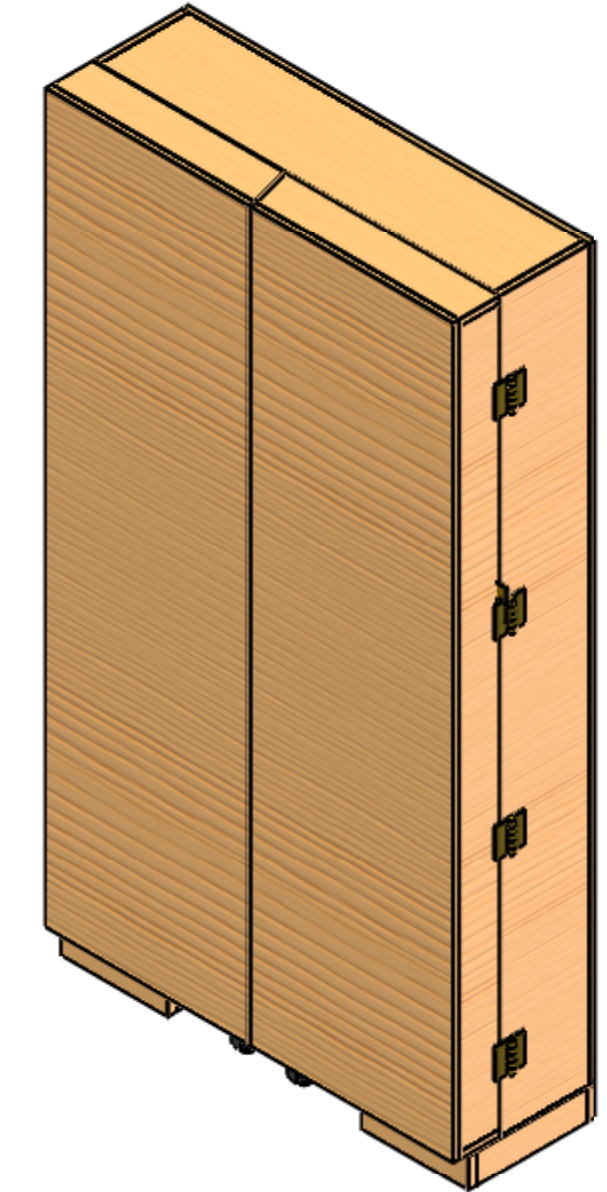
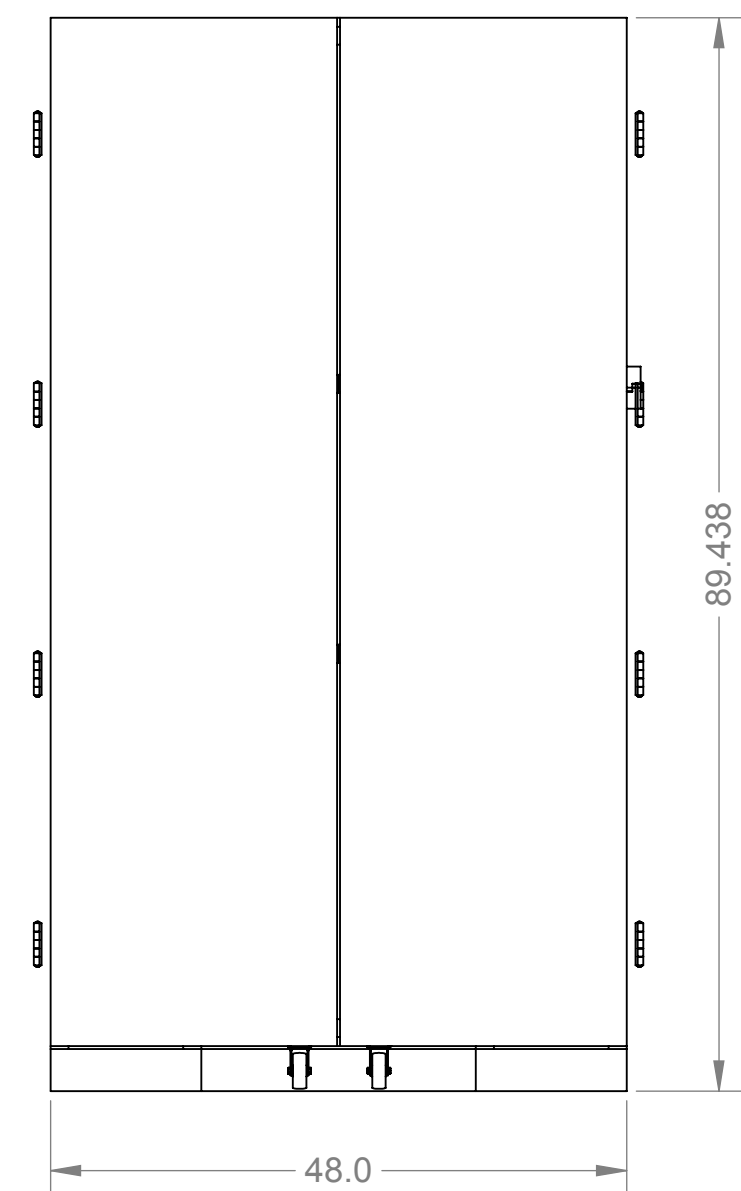
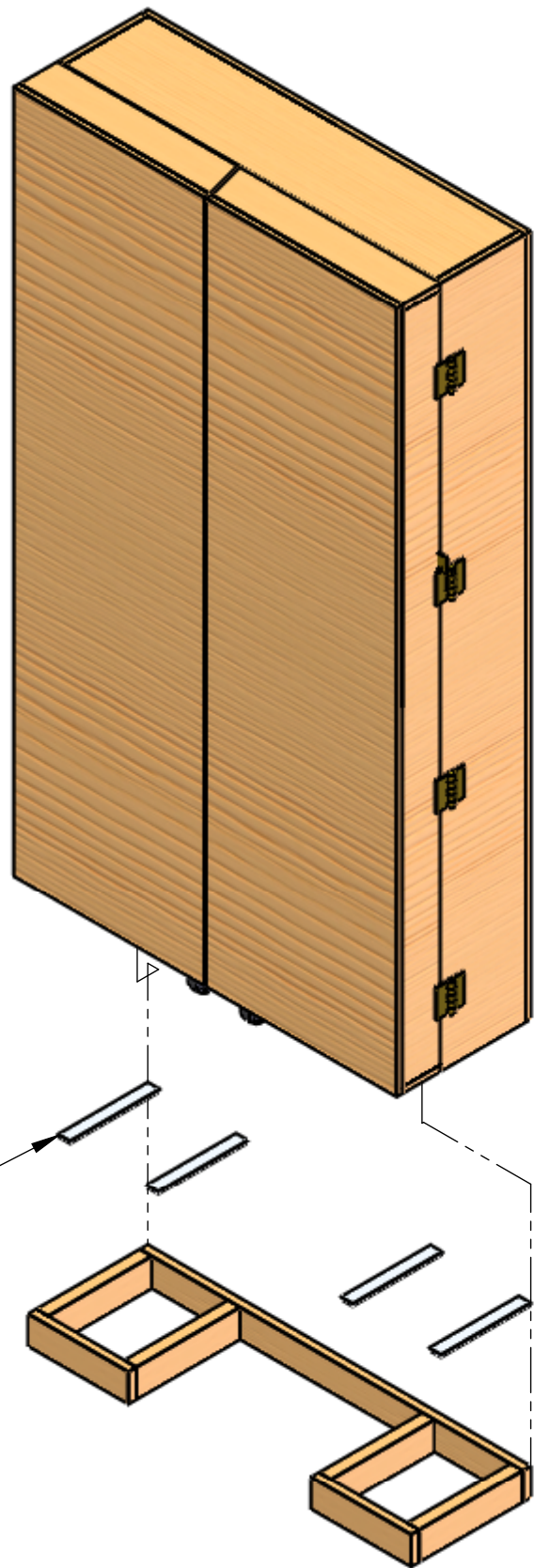
NOTES:  
1. THE USE OF DRY WALL SCREWS IS RECOMMENDED FOR ASSEMBLY.



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ANGLES	ALL	±1.0															
SIZE:	DWG NO:	REV.															
A2	IC-Base	A															
REFER TO THE ABOVE DOCS. FOR RELEVANT MFG. TECHNIQUES.	THIS IS AN ELECTRONIC CAD DRAWING. DO NOT REVISE MANUALLY. DO NOT SCALE DRAWING		SCALE: 1:8   WT: 19.11 LBS   VOL: 528.94 IN3   SHEET 1 OF 1														



ITEM NO.	DESCRIPTION	QTY.
1	CABINET WITH OUTSIDE DOORS	1
2	CABINET BASE	1
3	1/4" THICK X 1-1/2" WIDE CABINET BASE SPACER STRIP	4

REVISION HISTORY					
REV.	DESCRIPTION	DATE	BY	APPROVED	ECN/ECO#
A	CREATED	2/23/2016	J.RAY	J.RAY	



References:	DIMENSIONS ARE IN INCHES DIMENSIONS IN [ ] ARE IN MM	MATERIAL: N/A	 <b>SPECIALTY TOOLS</b> <small>your one stop source for tools</small>														
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REFER TO THE ABOVE DOCS. FOR RELEVANT MFG. TECHNIQUES.	<b>THIS IS AN ELECTRONIC CAD DRAWING. DO NOT REVISE MANUALLY. DO NOT SCALE DRAWING</b>	SIZE: DWG NO: <b>A2</b> IC-Cabinet	SCALE: 1:16 WT: 466.45 LBS VOL: 16345.66 IN3 SHEET 1 OF 1														



















