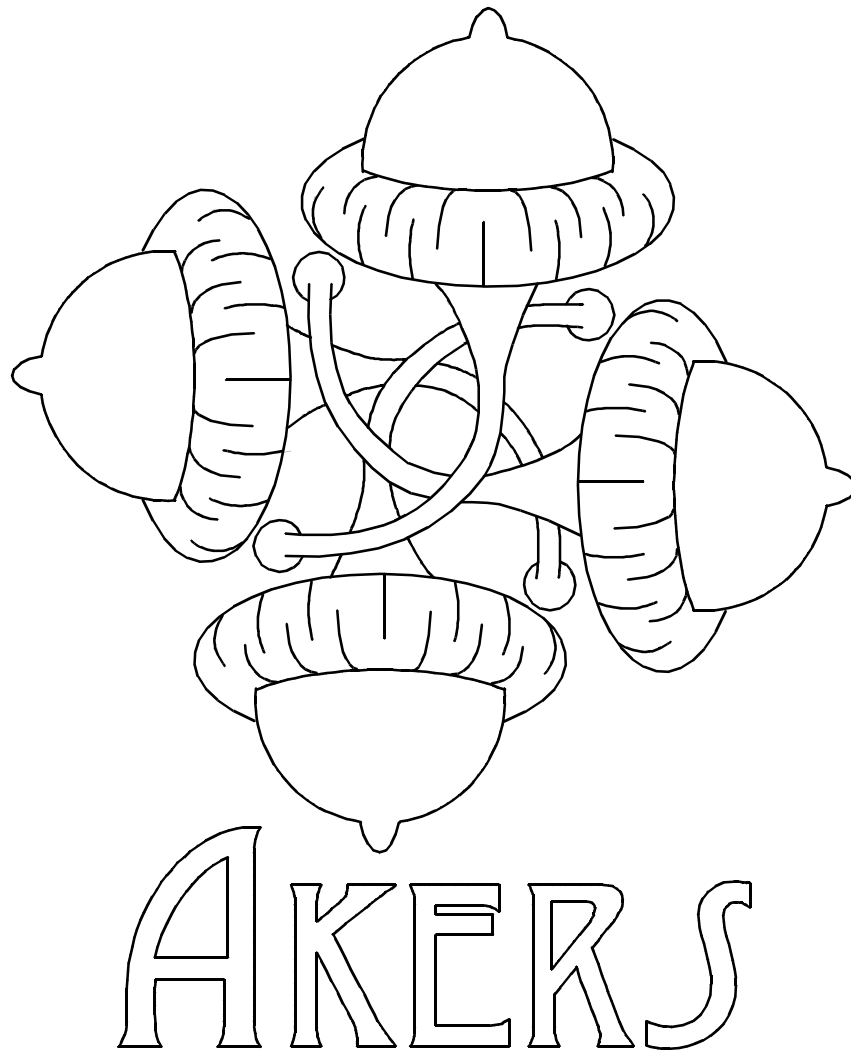




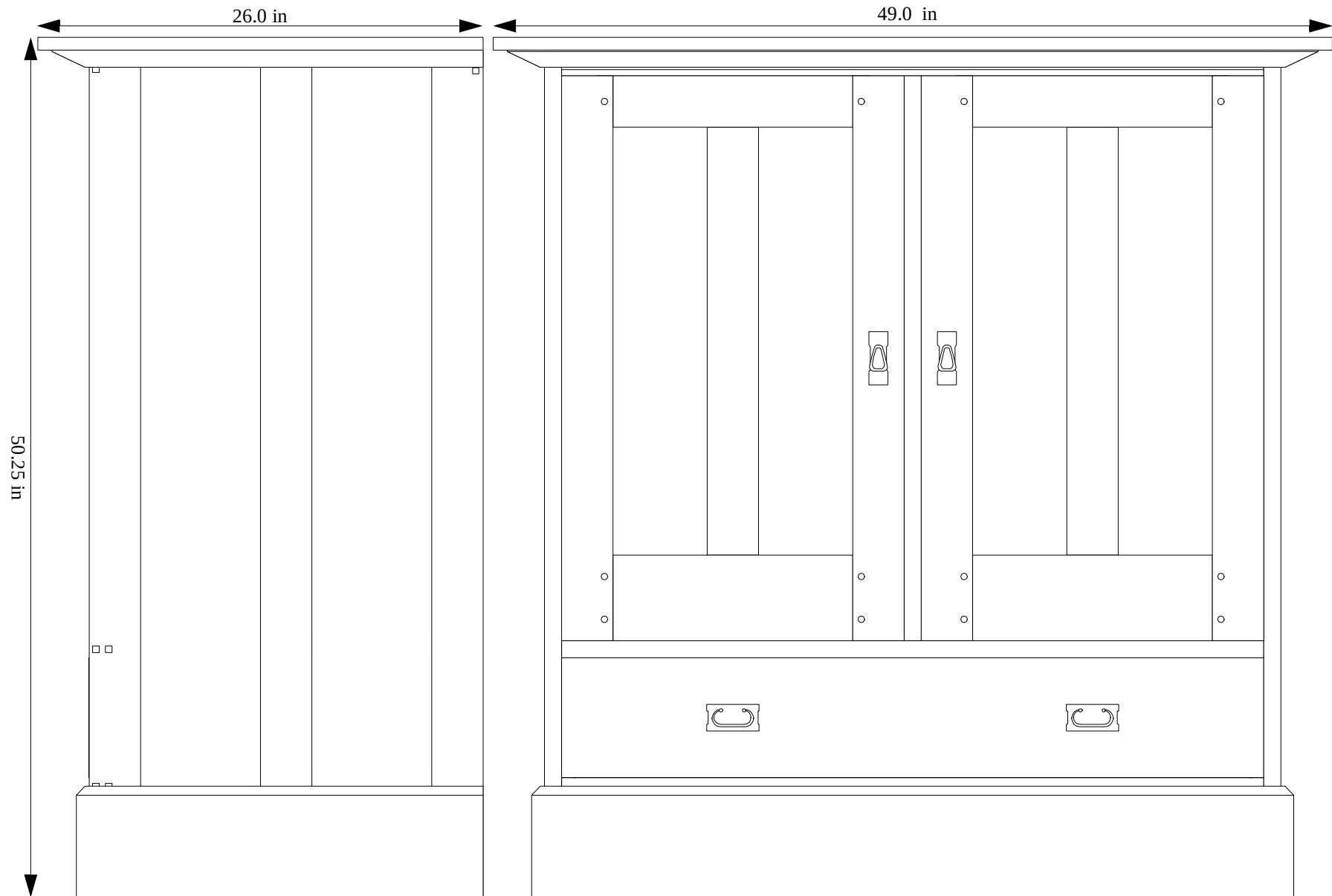
Technical Drawings for the Mission Video Cabinet

Walt Akers - 1998

Table 1: Cabinet Components, Dimensions and Materials

<i>Component / Location</i>	<i>Req</i>	<i>Length</i>	<i>Width</i>	<i>Thickness</i>	<i>Material</i>
Cabinet Top Plank / Top	4	49	6.5	3/4	White Oak
Side Crown Molde / Crown	2	25 1/2	2 3/8	3/4	White Oak
Front Crown Molde / Crown	1	47 3/4	2 3/8	3/4	White Oak
Stretcher / Carcasse Top - Shelf Fronts	4	41	1.5	1	White Oak
Shelves / Carcasse	2	41.75	21.75	3/4	Oak Plywood
Side Rails / Carcasse	6	49.5	1.5	1	White Oak
Side Panels / Carcasse	8	49.5	5 1/8	3/4	White Oak
Side Base Mould / Base	2	23.75	6.5	3/4	White Oak
Front Base Mould / Base	1	44.5	6.5	3/4	White Oak
Door Rail / Door	4	33	3	3/4	White Oak
Door Center Rail / Door	2	25	3	3/4	White Oak
Door Top Stile / Door	2	16	3	3/4	White Oak
Door Bottom Stile / Door	2	16	5	3/4	White Oak
Door Panel / Door	4	24.75	6.75	1/2	White Oak
Door Spacer Bar / Left Door	1	33	1.0	3/4	White Oak
Door Spacer Backing / Left Door	1	33	2.25	1/2	White Oak
Drawer Front / Drawer	1	41	7	3/4	White Oak
Drawer Side / Drawer	2	22	6	1/2	Oak Plywood
Drawer Back / Drawer	1	39.5	5 3/8	1/2	Oak Plywood
Drawer Bottom / Drawer	1	39.5	21.75	1/4	Oak Plywood
Cabinet Back / Carcasse	1	41 3/4	42 3/8	1/4	Oak Plywood

Assembled Entertainment Cabinet



Components of the Cabinet Top - Option 2



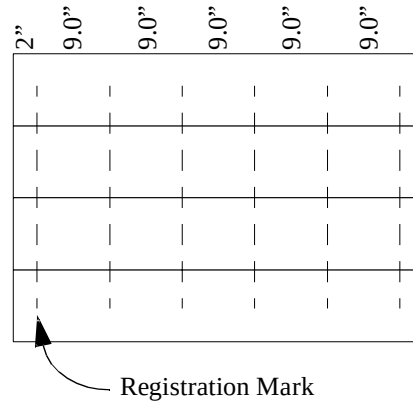
Construction of the Cabinet Top

Millwork:

- 1 Cut, plane and joint four boards to the following dimensions.
A One (1) at 49" x 6 1/2" x 3/4".

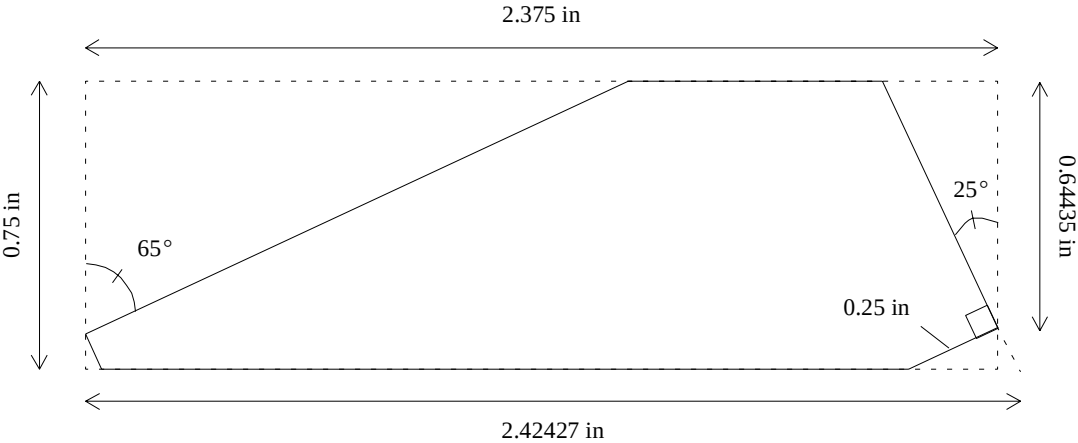
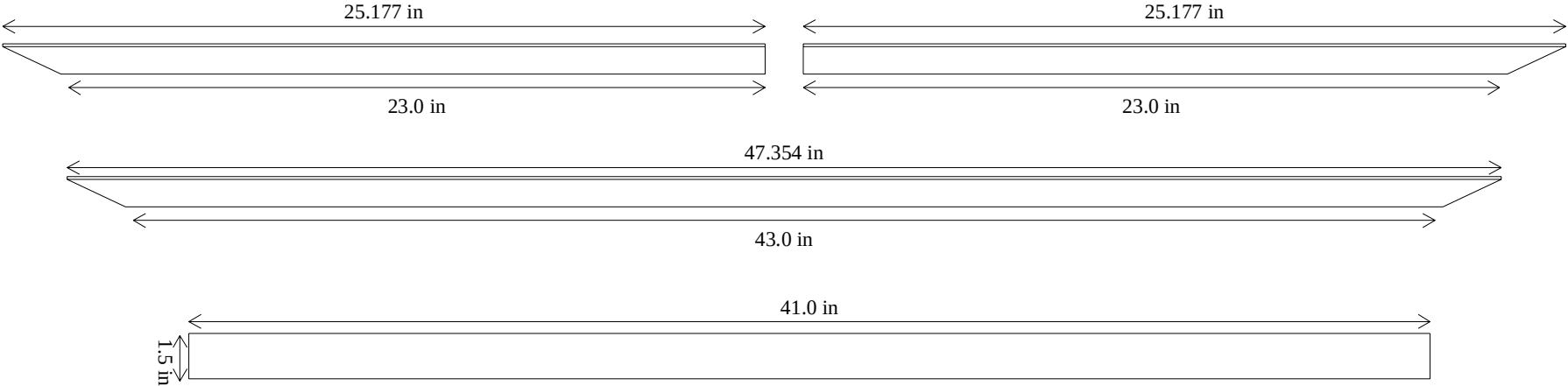
Assembly:

- 1 Lay boards side by side, and rotate them to alternate their growth rings.
- 2 Align the left edge of all four boards and draw a registration mark at 2 inches from this edge.



- 3 Repeat 5 additional registration marks every 9 inches. These marks indicate where the biscuit slots will be cut.
- 4 Using the biscuit cutter, install number twenty biscuits slots at each registration point.
- 5 Install biscuits and glue and clamp work piece together.

Crown Molding and Cabinet Top Stiles



Construction of the Crown Molding

Millwork:

- 1 Cut, plane and joint three sections of white oak to the following dimensions.
 - A Two (2) at $25\frac{1}{2}" \times 2\frac{3}{8}" \times \frac{3}{4}"$
 - B One (1) at $48" \times 2\frac{3}{8}" \times \frac{3}{4}"$
- 2 Set the tablesaw bevel to 25 degrees.
- 3 Position the fence $2\frac{7}{16}"$ to the left of the blade.
- 4 Placing the $2\frac{3}{8}"$ side of each board against the table, rip the $\frac{3}{4}"$ side to 25 degrees.
- 5 Position the fence $\frac{1}{8}"$ to the right of the blade.
- 6 Placing the uncut $\frac{3}{4}"$ side of each board against the table, bevel the $2\frac{3}{8}"$ side. Use featherboards as necessary to keep the board tight against the fence.
- 7 Return the blade to 0 degrees bevel.
- 8 Attach a sacrificial strip to the tablesaw fence and position the fence against the blade.
- 9 Cut the remaining edges of the workpiece.
- 10 Do not cut the 45 degree angles on these pieces until the carcass has been completed and measured.

Assembly:

No independent assembly is required of these components.

Construction of the Cabinet Top Stretchers

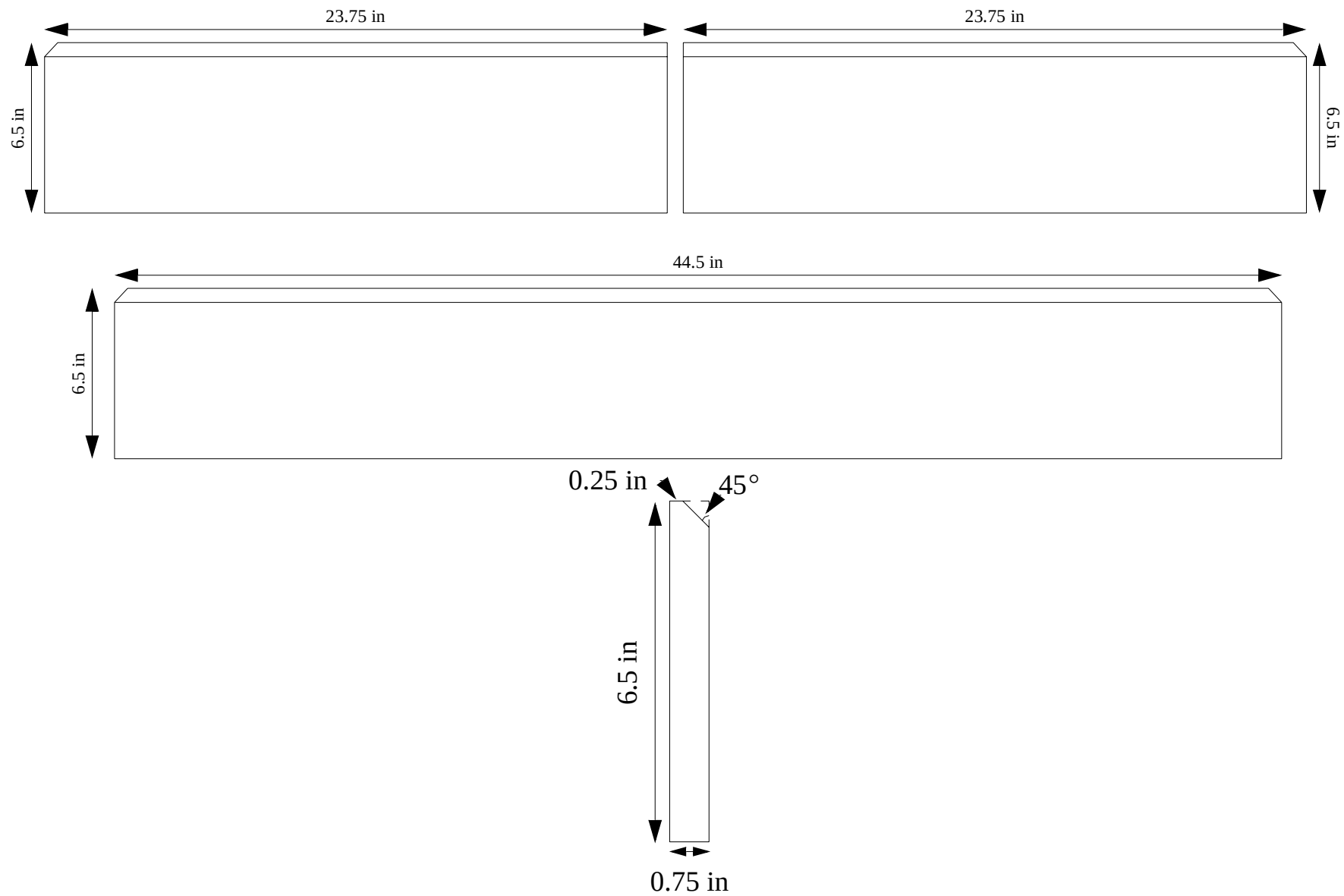
Millwork:

- 1 Cut, plane and joint two sections of white oak to the following dimensions.
 - A Two (2) at $41" \times 1\frac{1}{2}" \times \frac{3}{4}"$

Assembly:

No independent assembly is required of these components.

Components of the Cabinet Base



Construction of the Base Molding

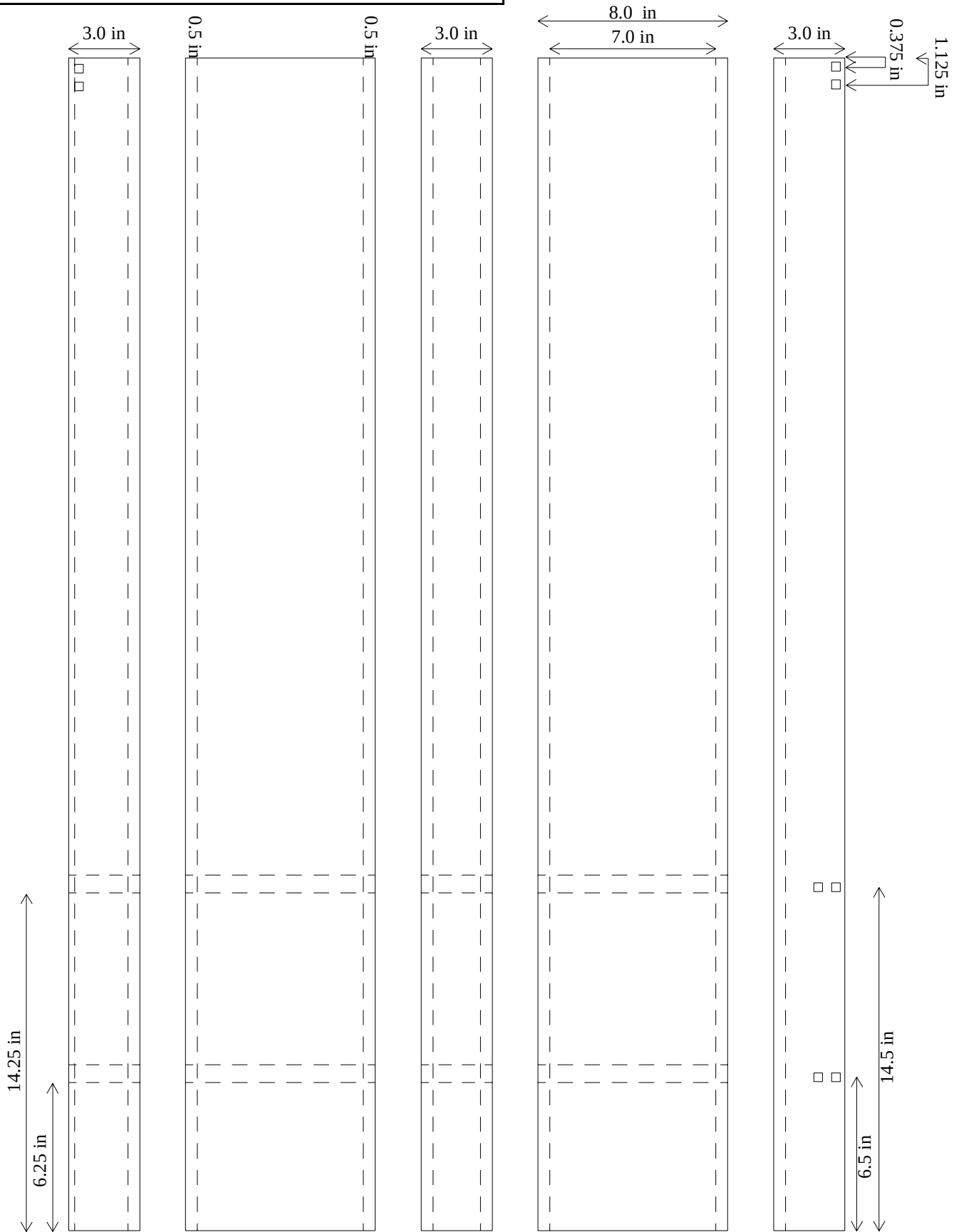
Millwork:

- 1 Cut, plane and joint three sections of white oak to the following dimensions.
 - A Two (2) at $24\frac{1}{2}'' \times 6\frac{1}{2}'' \times \frac{3}{4}''$
 - B One (1) at $45\frac{1}{2}'' \times 6\frac{1}{2}'' \times \frac{3}{4}''$
- 2 Set the tablesaw bevel to 45 degrees.
- 3 Position the fence 6'' to the right of the blade.
- 4 Placing the 6.5'' side of the board against the table, chamfer one edge of each board.
- 5 Do not cut the 45 degree joint angles on these pieces until the carcass has been completed and measured.

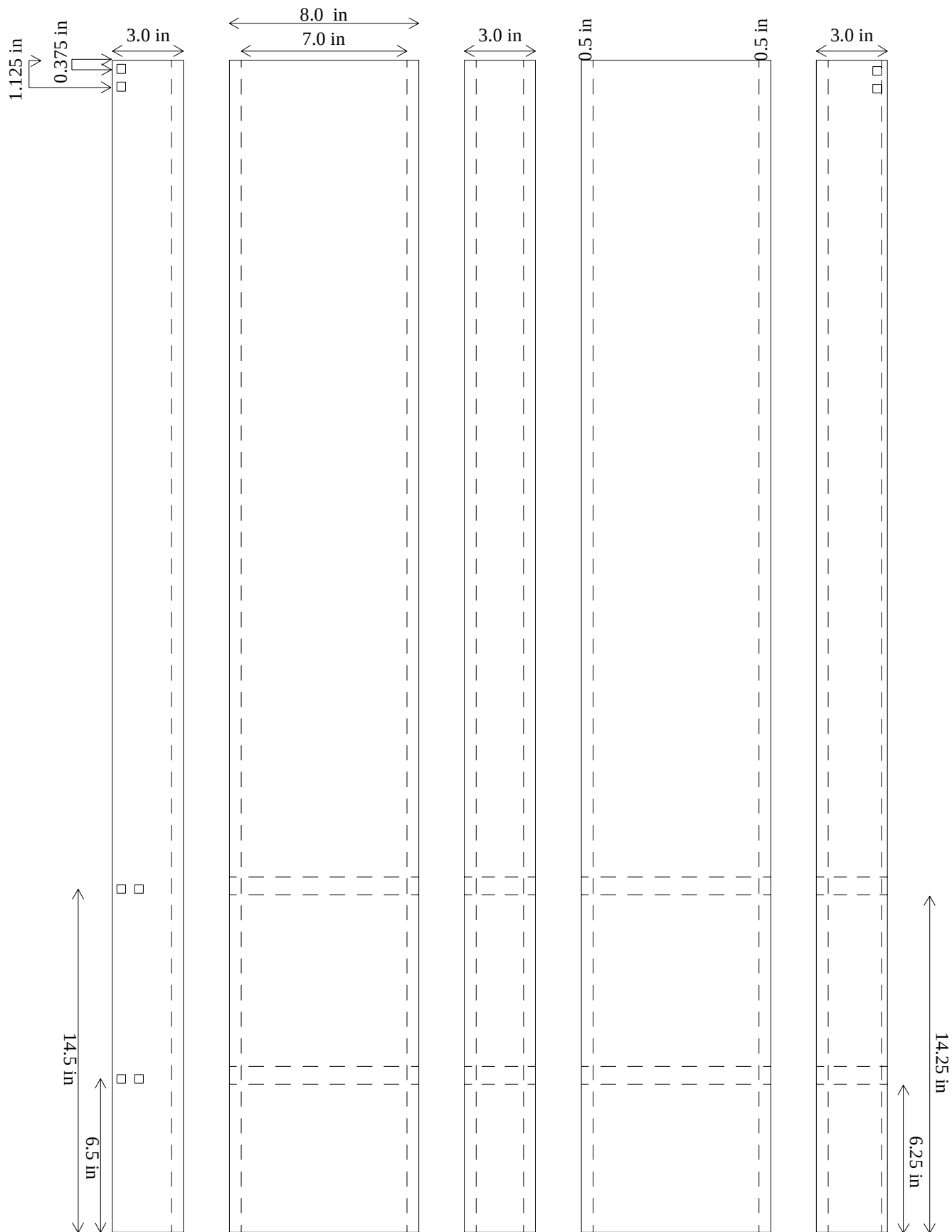
Assembly:

No independent assembly is required of these components.

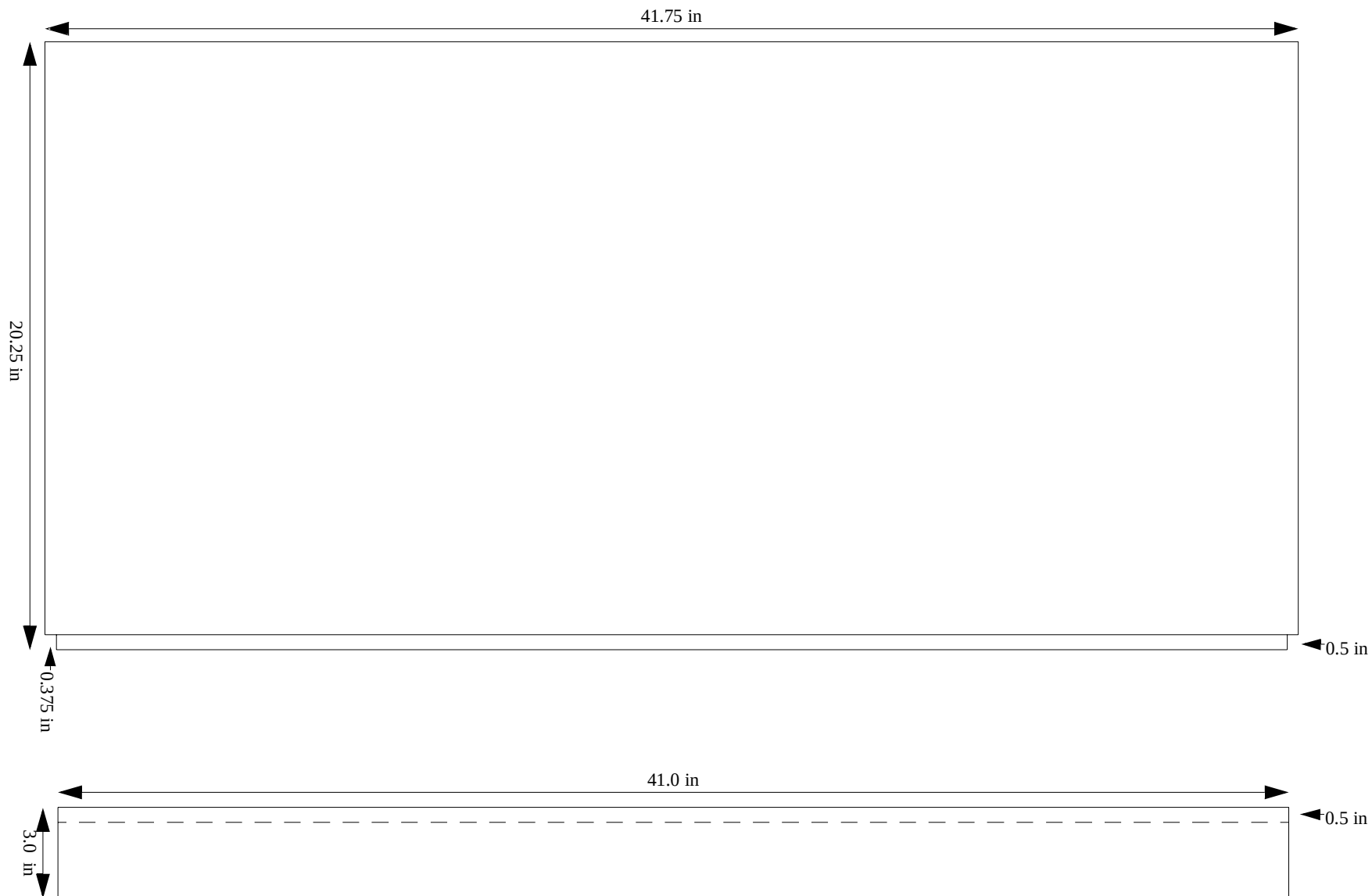
Components of Right Cabinet Side



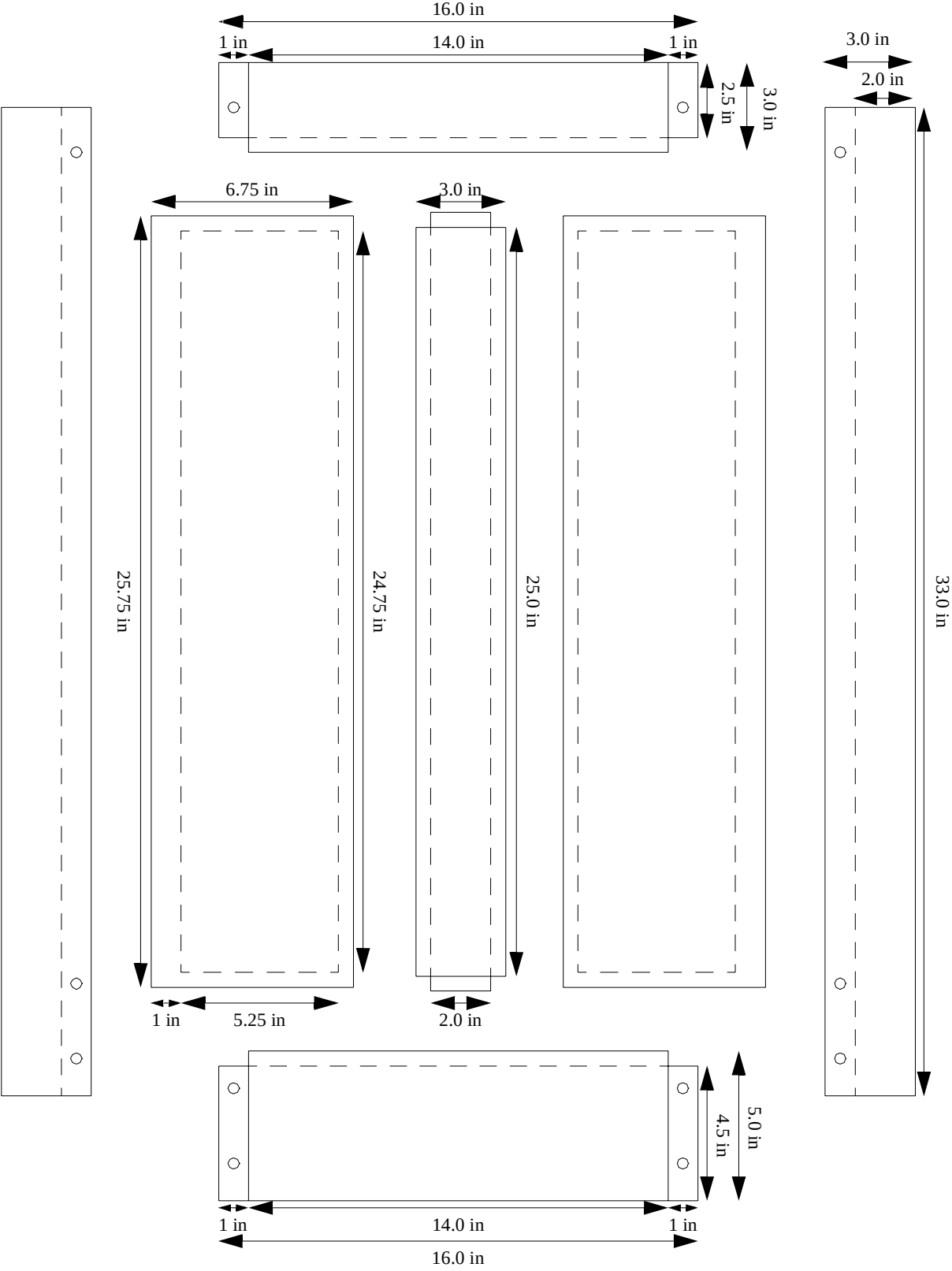
Components of Left Cabinet Side



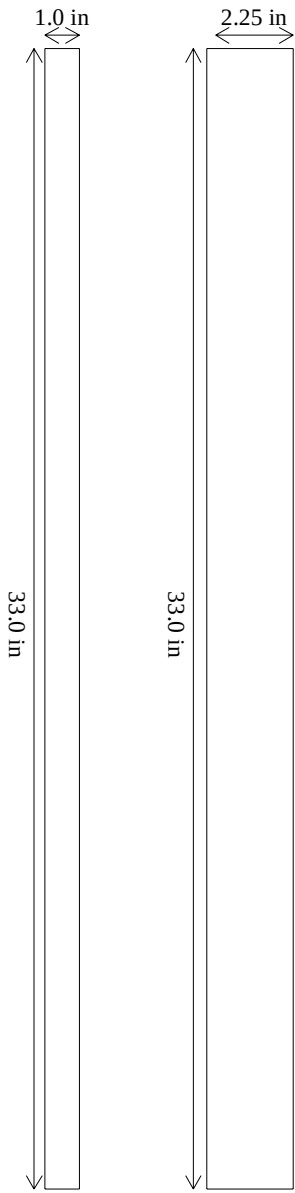
Components of the Cabinet Shelves



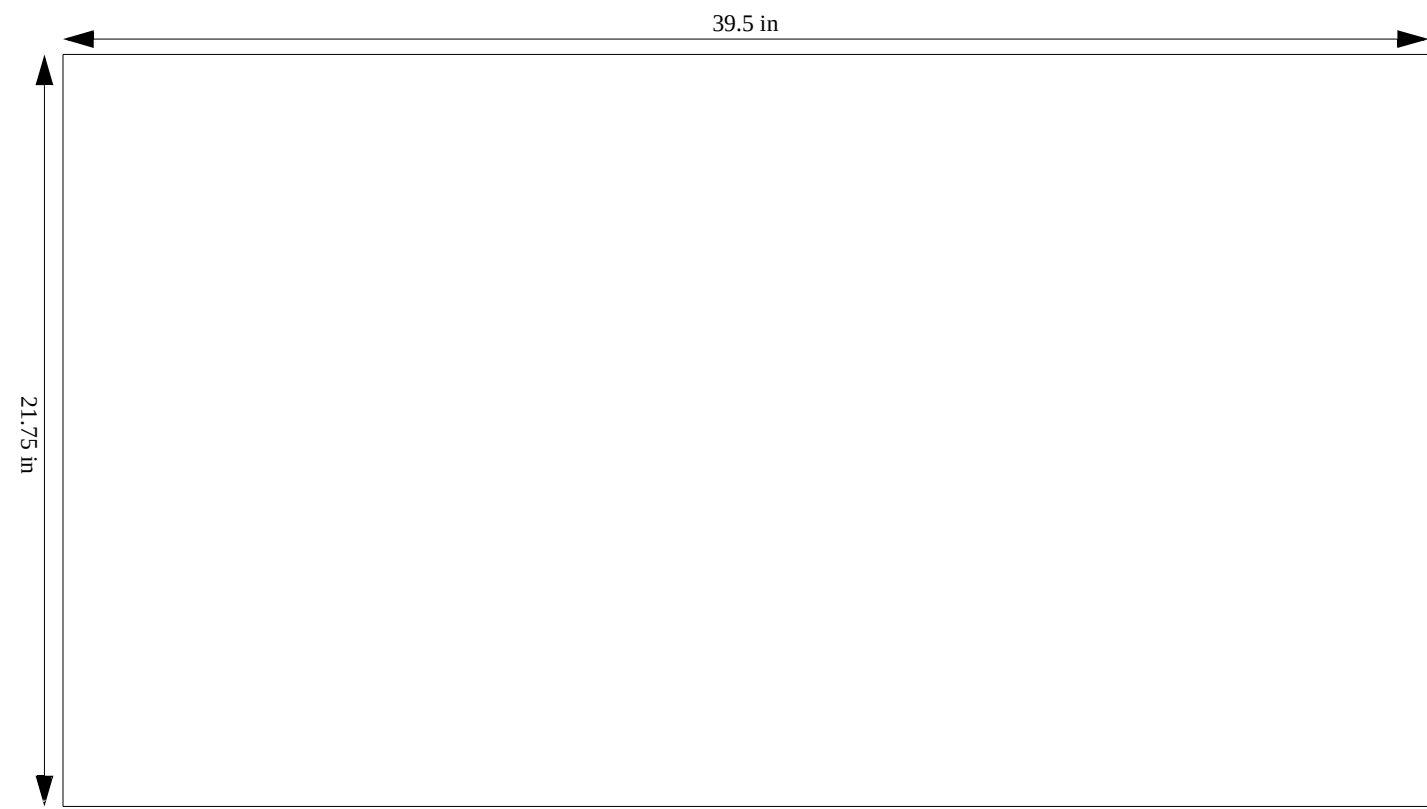
Cabinet Door Assembly



Door Spacer Assembly



Drawer Bottom



Drawer Sides and Front

