

Live Edge Wood and Epoxy Cabinet / Bathroom Vanity / River Table Style Vanity

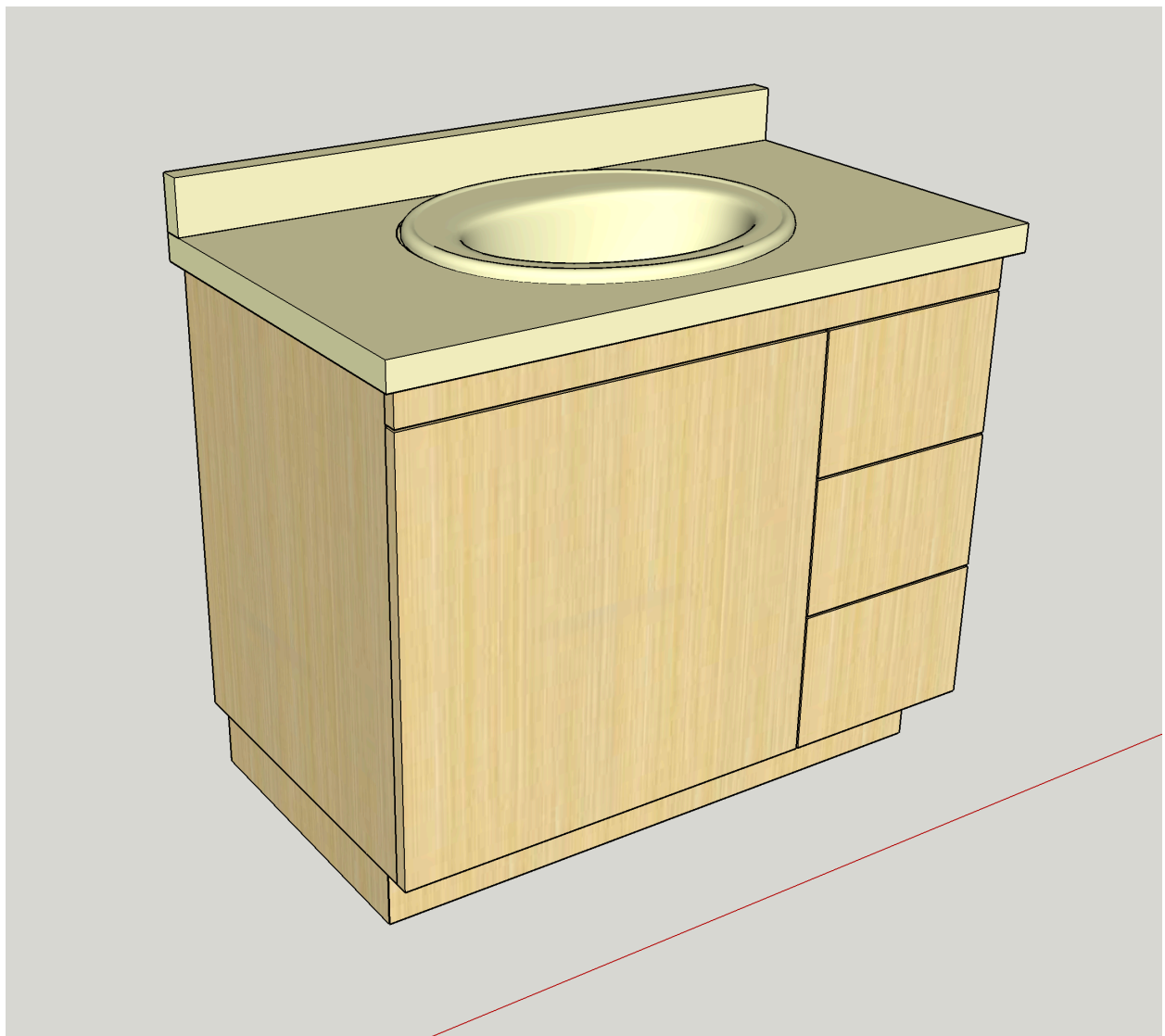
Corbin Dunn

Redwood Monkey Workshop

<https://www.corbinstreehouse.com> && <https://www.redwoodmonkey.com>

Materials list: <https://www.corbinstreehouse.com/blog/2020/06/epoxy-river-table-style-bathroom-vanity-cabinet/>

Instructional making video on YouTube under Corbin Dunn.



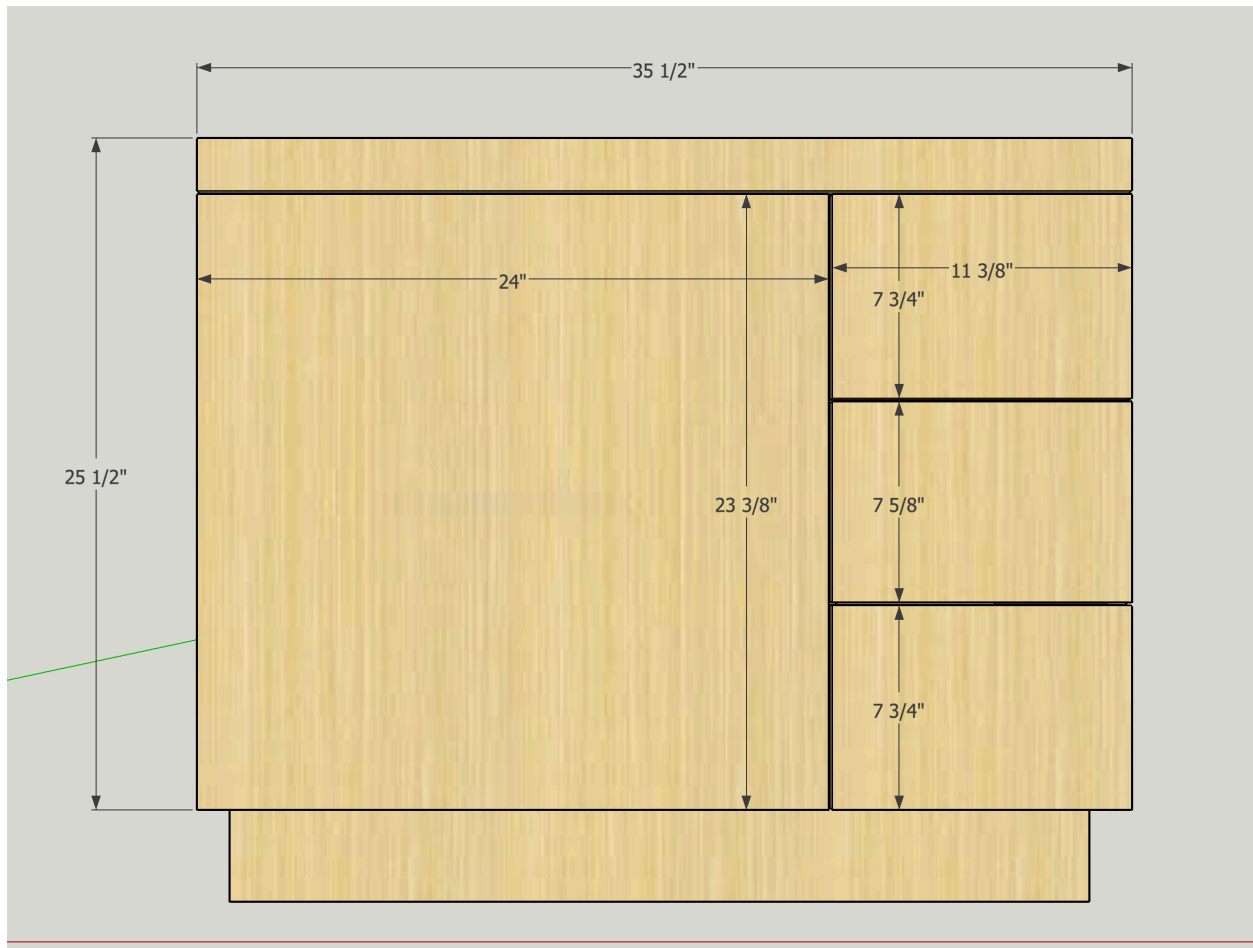
Front dimensions. NOTE: Create the mold 1/2" larger on each size

Material: Live edge pieces and epoxy, or plywood.

Gap is 1/8"; my table saw blade kerf. Generally I prefer 3/32" gaps.

Top piece is 2" tall; forgot to indicate it on the plans below.

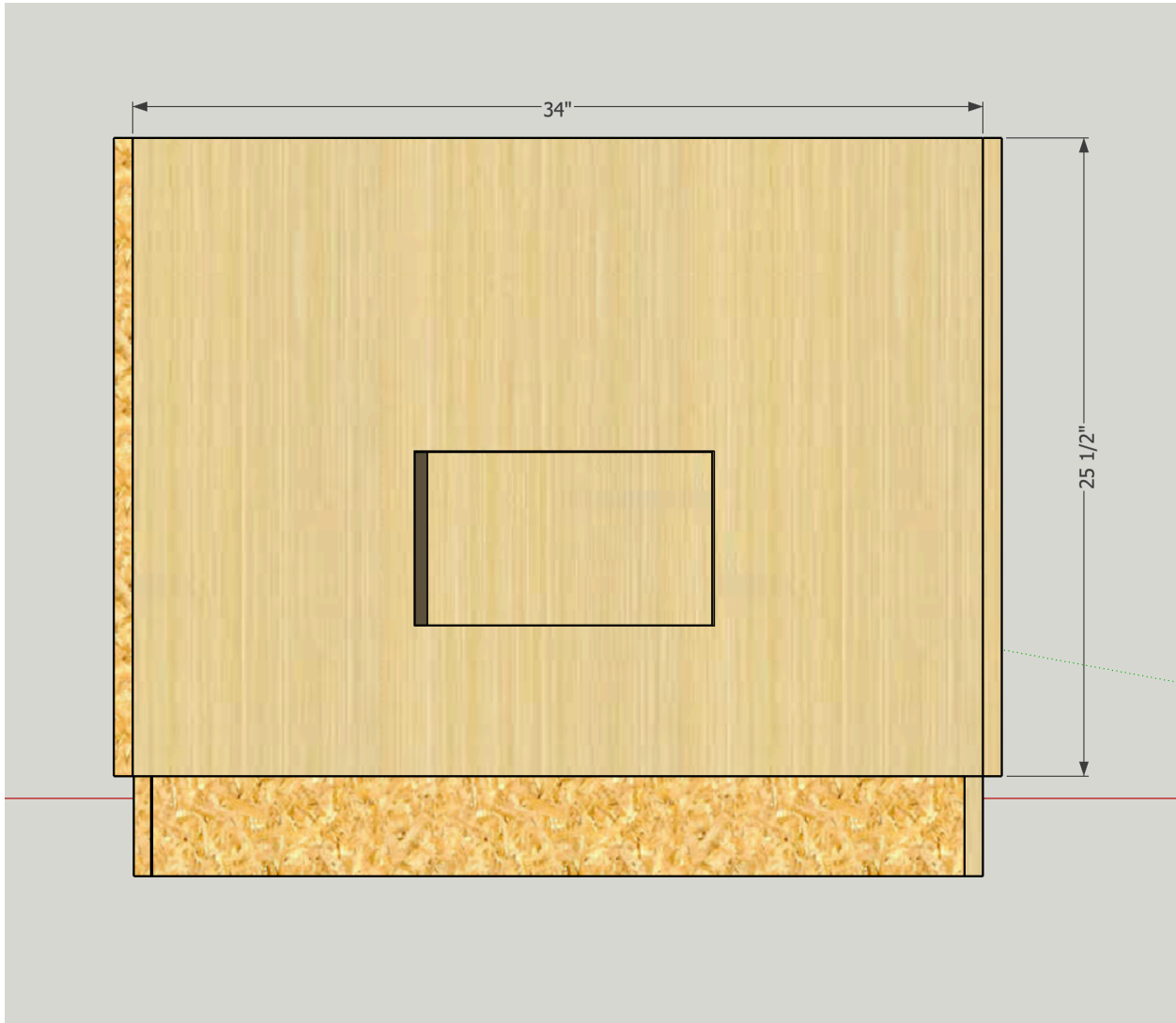
The middle drawer face size is slightly smaller due to my saw kerf of 1/8"



Back dimensions; all wood is plywood, and 3/4" thick.

Cut the plumbing hole to your specific location.

Material: maple plywood; non-visible pieces can be cheaper plywood.



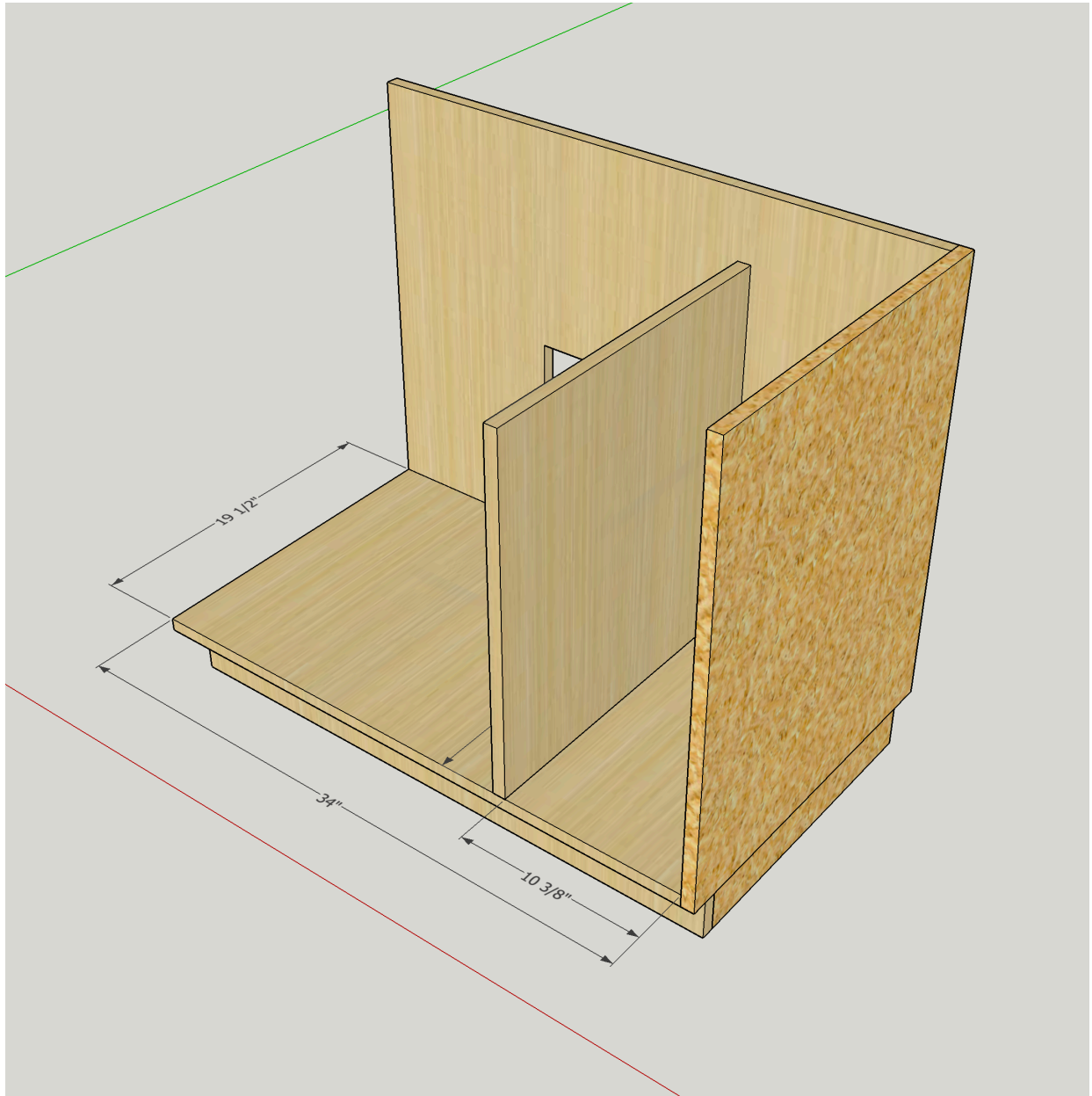
Bottom and divider dimensions

Material: maple plywood; non-visible pieces can be cheaper plywood.



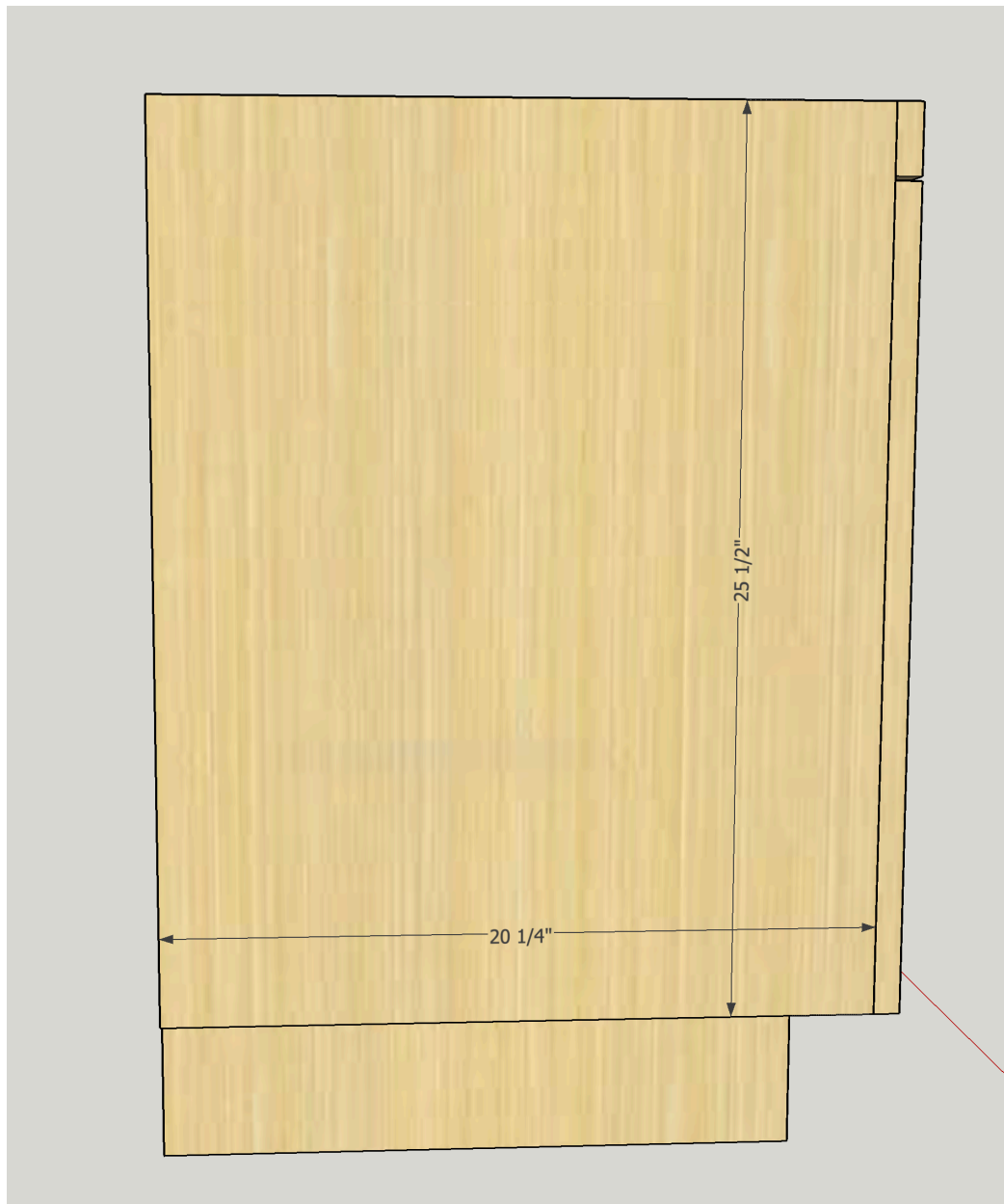
Divider offset location

Material: maple plywood



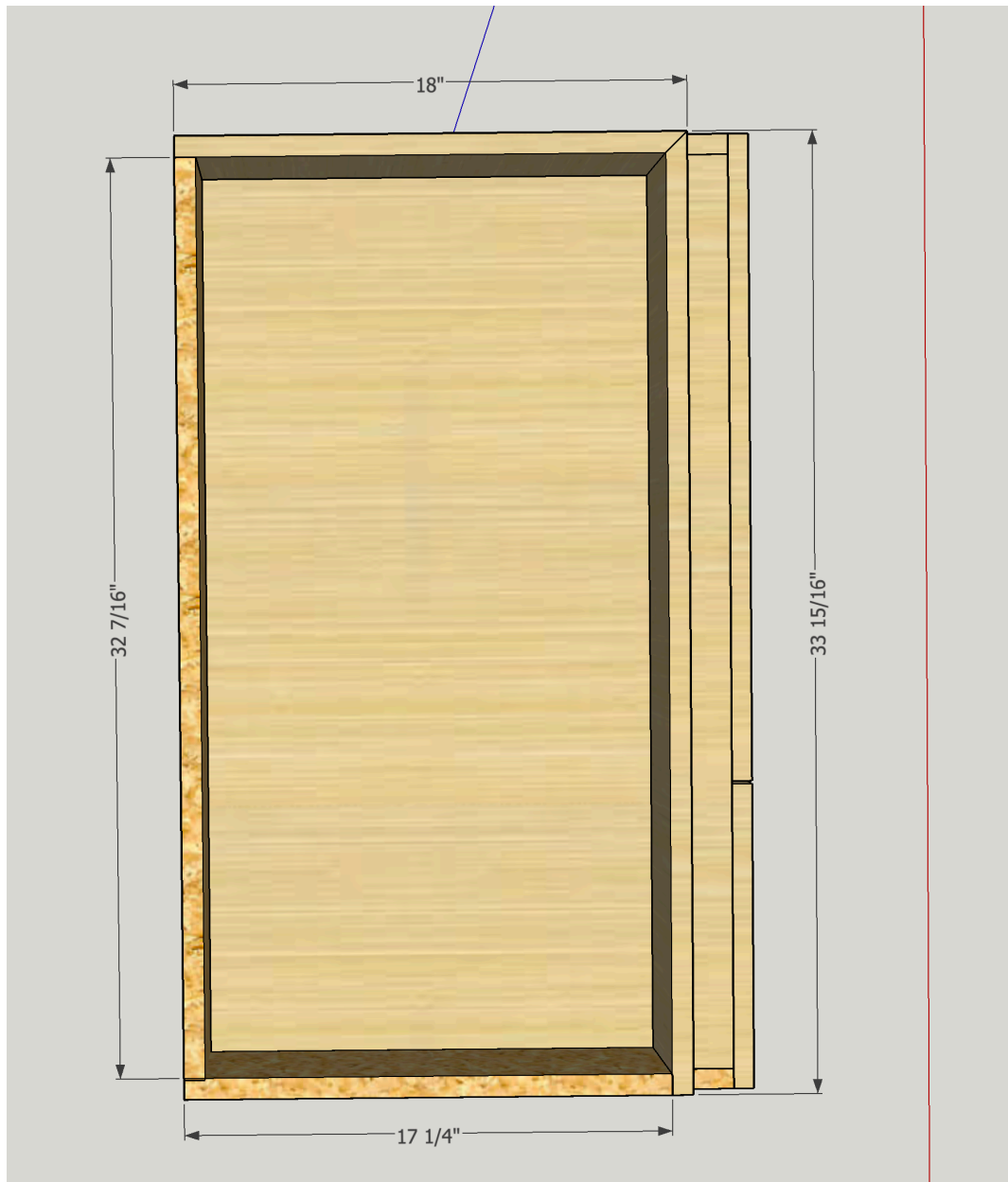
Side dimensions (need two of these)

Materials: maple plywood



Bottom dimensions, as seen from the bottom; all pieces are 4" tall. The 45 is only on one side because of where I put the vanity.

Materials: maple plywood

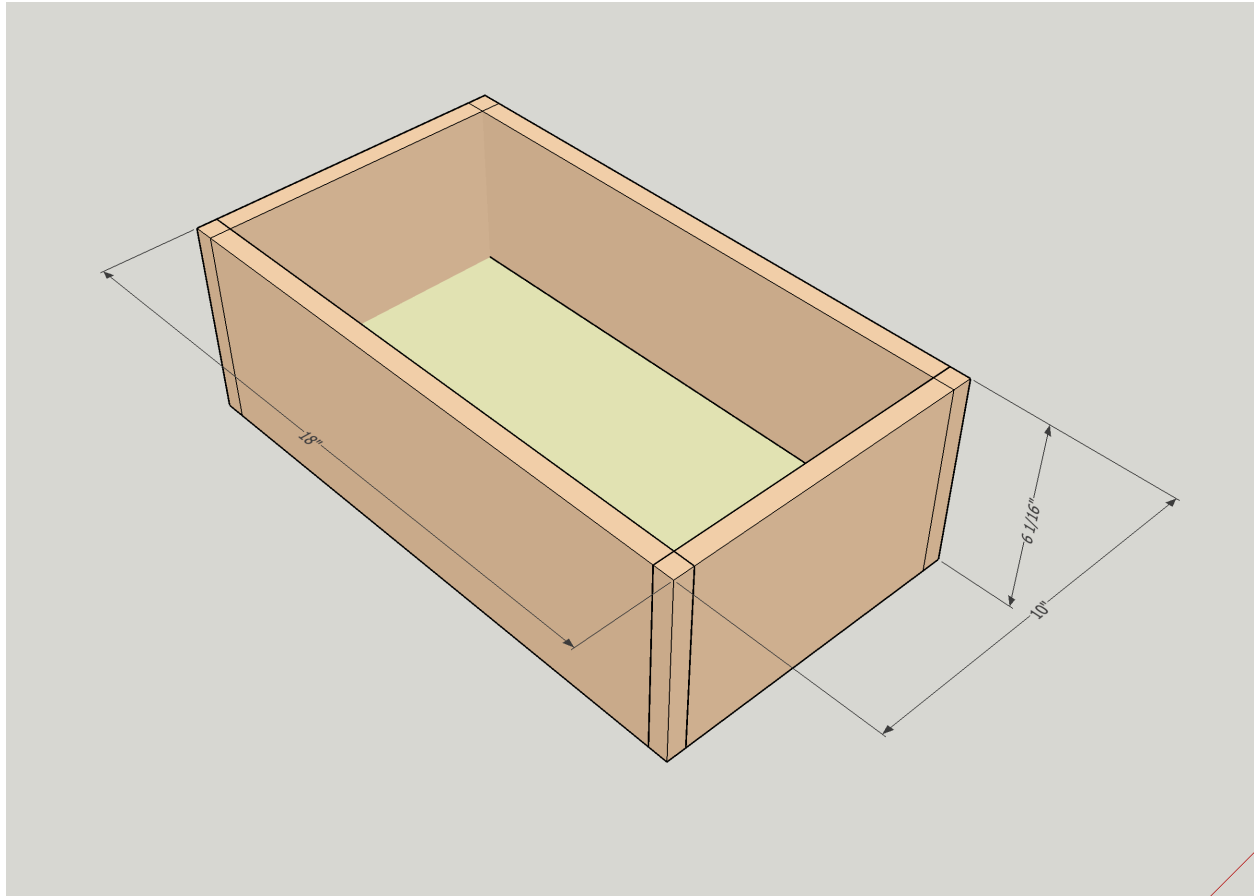


Drawer dimensions.

Notes: 5/8" thick solid maple. **Bottom:** 1/2" thick maple plywood or 1/4"

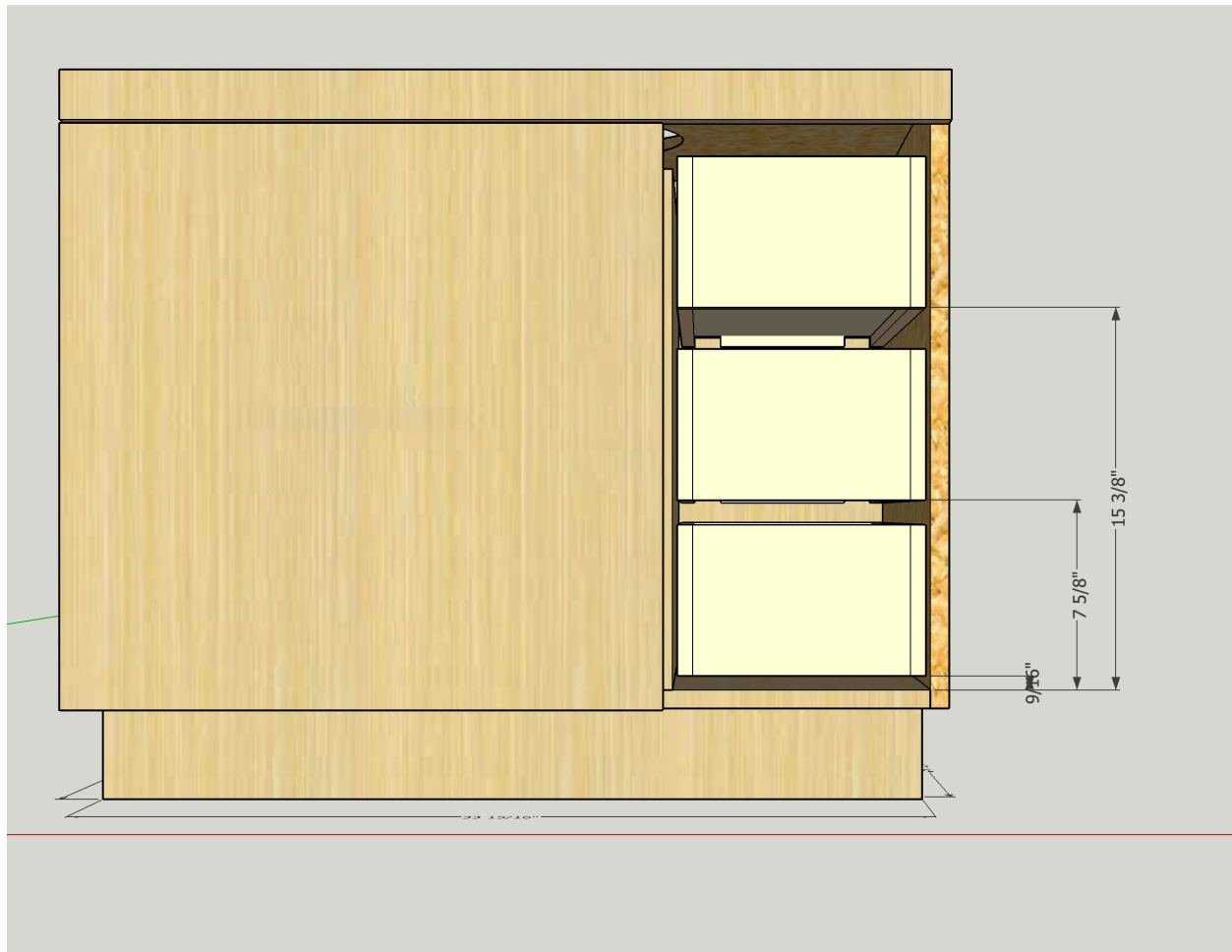
Half blind dovetails require the 18" to be reduced by 1/4" for the half-blind portion.

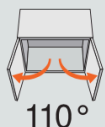
The bottom plywood is offset 1/2" from the bottom of the pieces.



Drawer locations

Note: The bottom of the blum hardware runners is $\frac{9}{16}$ " below the drawer bottoms!





CLIP top BLUMOTION 110°+

Hinges



Features

- BLUMOTION integrated into the hinge cup
- Deactivation switch for small/light doors
- For door thicknesses up to 26 (1")
- Overload safety feature
- For door overlays up to 22 mm
- 86° angle restriction clip available (70T3553)
- Compatible with existing CLIP mounting plates and hinge arm cover caps

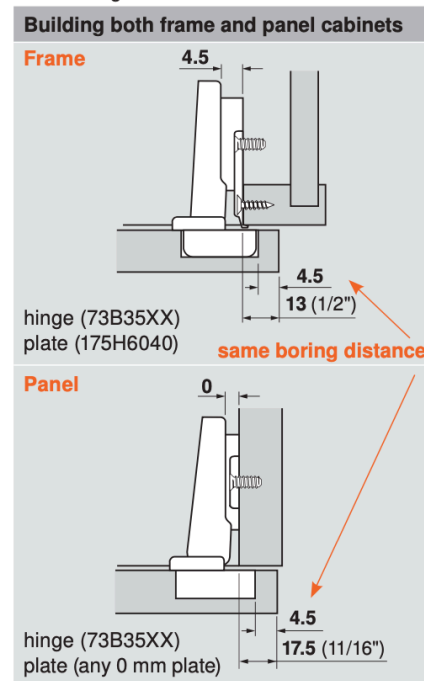
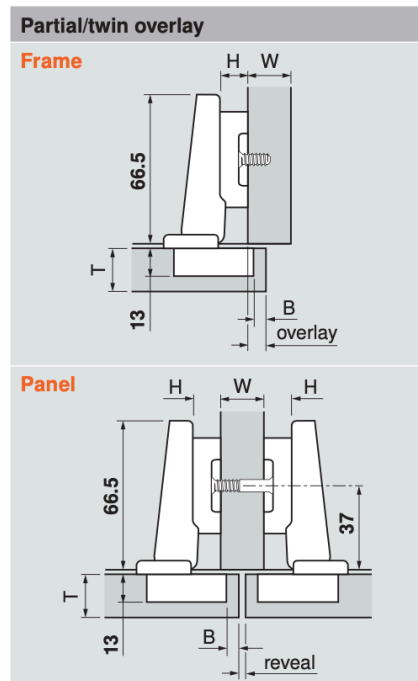
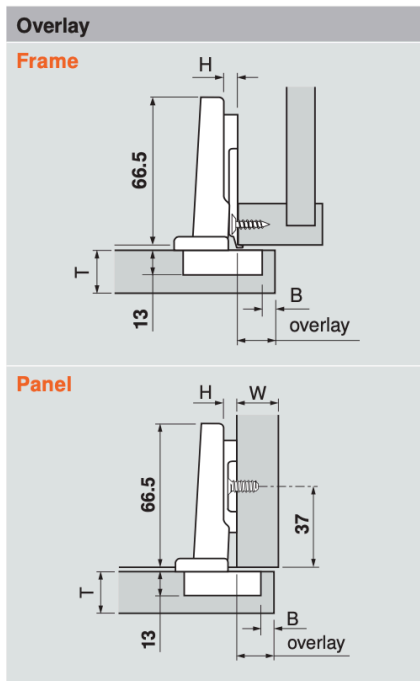


*Available in Onyx Black

Minimum reveal table					
3	0.5	1.0	1.8	2.7	4.3
4	0.5	1.0	1.7	2.5	3.8
4.5	0.5	1.0	1.7	2.5	3.6
5	0.5	0.9	1.7	2.4	3.4
6	0.5	0.9	1.6	2.3	3.2
7	0.5	0.9	1.6	2.2	3.0
B = boring distance	16	19	22	24	26

T = door thickness

Thickness greater than 26 trial recommended



H	Overlay						P	S
0	16	17	17.5	18	19	20	10	20
3	13	14	14.5	15	16	17	13	23
4.5	11.5	12.5	13	13.5	14.5	15.5	14.5	24.5
6	10	11	11.5	12	13	14	16	26
9	7	8	8.5	9	10	11	19	29
	3	4	4.5	5	6	7	Fixed distance = 13	
	B = boring distance							

NOTE: 4.5 plate is only for use in frame cabinets, 9 plate is only for panel cabinets

H	Overlay						P	S	
9	7	8	8.5	9	10	11	19	29	
	3	4	4.5	5	6	7	Fixed distance = 13		
	B = boring distance								
H	Reveal						W	P	S
9	2	–	–	–	–	–	16	19	29
	5	3	2	–	–	–	19		
	8	6	5	4	–	–	22		
	3	4	4.5	5	6	7			
	B = boring distance								

The most common overlays for frame and panel cabinets can be achieved by using the same machine setting for hinge cup boring.

Bore all doors at 4.5 mm to achieve:

- 13 (1/2") overlay on frame cabinets
- 17.5 (11/16") overlay on panel cabinets

Advantages:

- One machine setting for boring all doors
- Same hinge used for both applications

Straight-arm	Self close
Screw-on*	73B3550
Press-in	73B3580
INSERTA*	73B3590
EXPANDO	73B358E

Straight-arm	Self close
Screw-on*	73B3550
Press-in	73B3580
INSERTA*	73B3590
EXPANDO	73B358E

Abbreviations	
H	= Plate height
P	= Door protrusion
S	= Side arm protrusion
W	= Side panel width

Blum offers many on-line tools to help you with your kitchen planning and ordering. Planning tools allow the selection of components based on your cabinet construction and size. Additional components can be selected as needed. Once complete, they provide an easy-to-follow order form.

Blum has downloadable Excel® spreadsheets that help determine the hinge that is right for your application.

A person wearing an orange long-sleeved shirt is sitting on a light-colored floor. They are using a black laptop with their right hand on the trackpad and a tablet with their left hand. The laptop screen displays a webpage with orange and white graphics. The tablet also shows a similar interface. In the background, there is a white shelf with several oranges.

Or simply scan the quick reference code below



A bar chart titled "Hinges required per door" showing the number of hinges required based on cabinet height and weight. The y-axis represents "Cabinet height" in inches, with markings at 20", 40", 60", 80", and 100". The x-axis represents "Hinges required per door" with markings at 2, 3, 4, and 5. Four bars represent different weight ranges: "<15 lb", "15-30 lb", "30-45 lb", and "45-60 lb". The number of hinges required increases with both cabinet height and weight.

Cabinet Height (inches)	<15 lb	15-30 lb	30-45 lb	45-60 lb
20"	2	3	4	5
40"	2	3	4	5
60"	2	3	4	5
80"	2	3	4	5
100"	2	3	4	5

Technical drawing of the 1000 Series Base Mount. The drawing includes two views: a side view on the left and a front view on the right. Dimensions are indicated as follows:

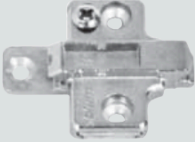
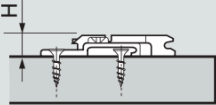
- Side View (Left):**
 - Overall height: 66.5
 - Top flange height: H
 - Base thickness: T
 - Base width: B
 - Mounting hole offset from base center: OL
 - Mounting hole offset from side center: R
 - Base width at mounting hole: 13
- Front View (Right):**
 - Overall width: W
 - Top flange width: S
 - Mounting hole offset from front center: P

mm	inch	
1	1/32	.031
1.5	1/16	.063
2	3/32	.094
3	1/8	.125
4	5/32	.156
5	3/16	.188
5.5	7/32	.219
6	1/4	.25
7	9/32	.281
8	5/16	.313
9	11/32	.344
9.5	3/8	.375
10	13/32	.406
11	7/16	.438
12	15/32	.469
13	1/2	.5
13.5	17/32	.531
14	9/16	.563
15	19/32	.594
16	5/8	.625
17	21/32	.656
17.5	11/16	.688
18	23/32	.719
19	3/4	.75
20	25/32	.781
20.5	13/16	.813
21	27/32	.844
22	7/8	.875
23	29/32	.906
24	15/16	.938
24.5	31/32	.969
25.4	1	1

The distance that the cup overlays the cabinet side panel when a hinge is attached to a 0 mm mounting plate.
This is used to calculate hinge overlay with the formula **X + B minus H = OL**
(Fixed distance + boring distance minus plate height = overlay)

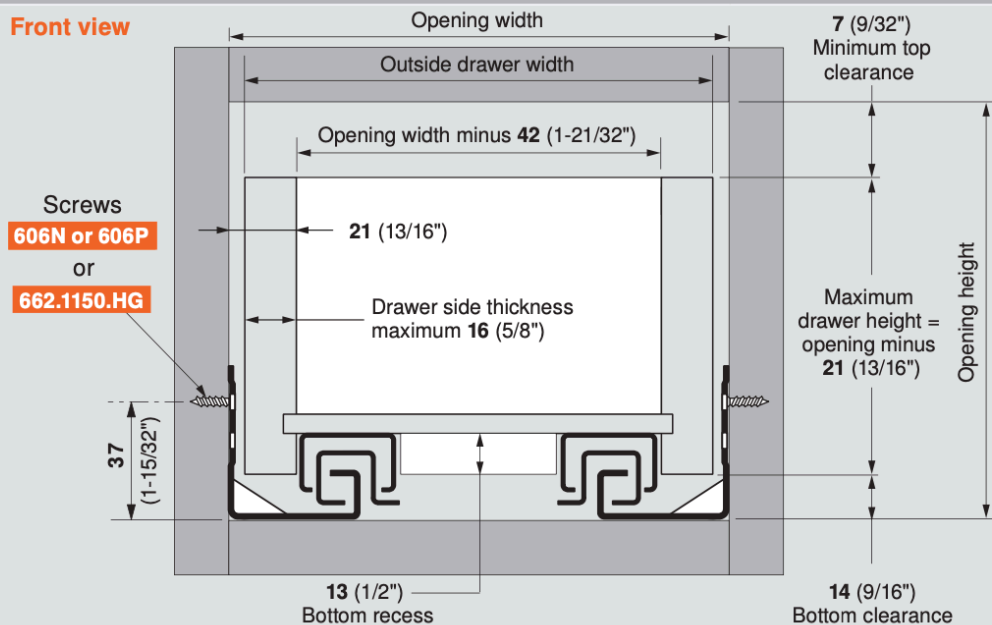
Hinges

CLIP Mounting Plates

Standard two-piece wing mounting plates			
Wood screw 	 	Zinc die-cast, nickel-plated Attached with #6 x 5/8" wood screws Height adjustment ± 2 mm	
			Part no.
		0 plate height (H)	175H7100
		3 plate height (H)	175H7130
System screw		9 plate height (H)	175H7190
		Zinc die-cast, nickel-plated	

Drawer box specifications

Front view



NOTE: Drawer side material thickness may vary. Accurate measurement of drawer side material thickness should be used when calculating outside drawer width using the table below. Inside drawer width **must** equal opening width minus 42 (1-21/32") for TANDEM to align and function optimally.

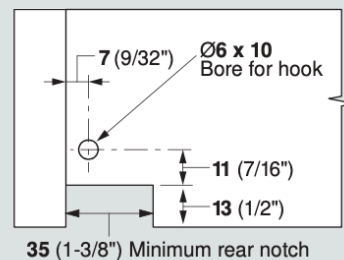
Calculating outside drawer width

For drawer side thickness	16 (5/8")	15 (19/32")	14 (9/16")	13 (1/2")	12 (15/32")
Deduct from opening width	10 (13/32")	12 (15/32")	14 (9/16")	16 (5/8")	18 (23/32")

Example: For 21" opening width and a 5/8" thick drawer, 21" minus 13/32" = 20-19/32" drawer width

Drawer back preparation

Rear view



Runner comparison

Side view

563.



563H



NOTE: Same hole pattern as the 563H