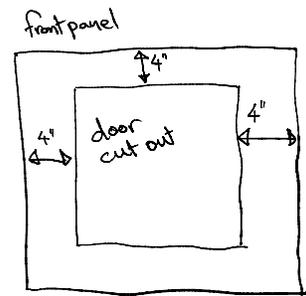
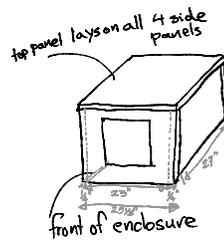


### Panels

6 acrylic sheets to make a small enclosure with an open bottom. The pieces are 1/4" thick acrylic sheets.

1. 25.5" x 21"
2. 27" x 21"
3. 27" x 21"
4. 25.5" x 27.5"
5. 25.5" x 21" with cut out 4" from sides for door (see attached image)
6. 13" x 17.5" - door to go in panel 5



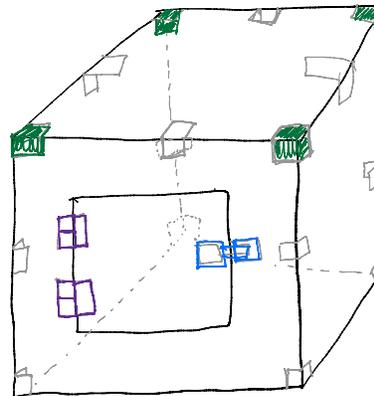
The top panel lays on all side panels for support. The inner dimensions are 25" w x 27" l x 21" h. So I had to account for the thickness of the acrylic, for The measurements so that the corners would meet flush. The outer dims are 25.5 x 27.5 x 21.25.

### Brackets (printed in 70% ABS)

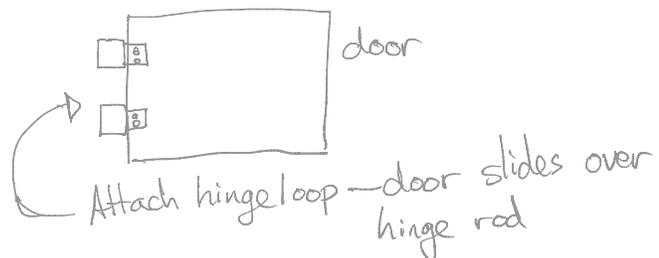
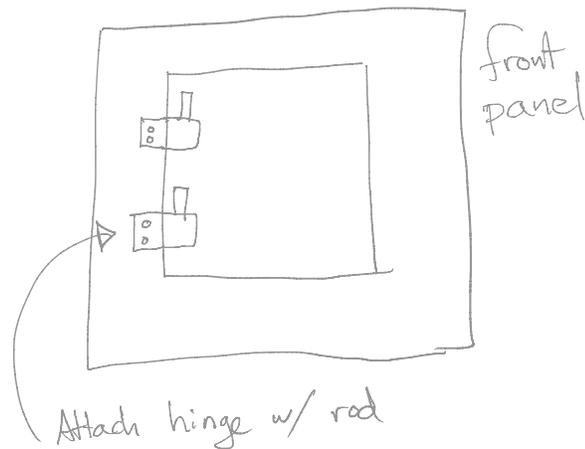
- 12 x L brackets (4x top, 4x side middle, 4x side bottom)
- 4x corner brackets that go on top
- 2x hinge for door
- 1x lock hinge for door

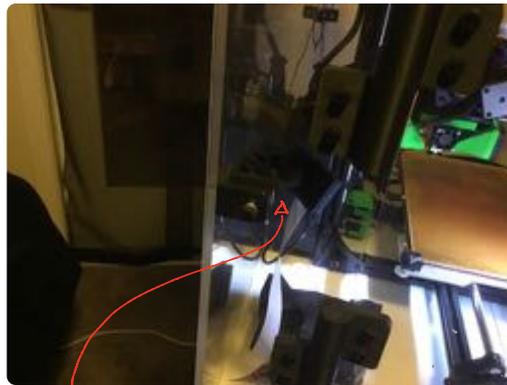
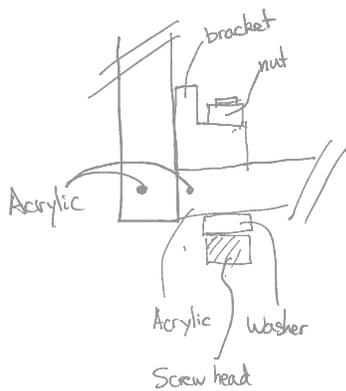
I fastened the brackets with M5 x14 screws with M5 washer and M5 nut, keeping the bracket inside the enclosure so the outside has smooth corners and edges. You will need to drill holes for the M5 screws in the acrylic panels. Before drilling dry fit the panels and then make your drill marks.

### Brackets



Close up of the hinge



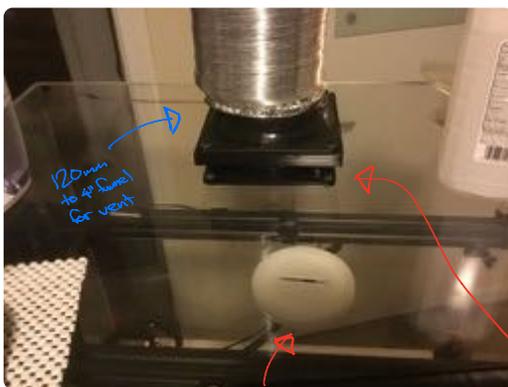


Camera Mount screws into bracket, will need M5x18 screws RPi Camera Mount

### Holes

- 2x 100mm or 4" holes for the 120mm enclosure case fans. I have one fan at the top of the enclosure to vent the fumes and heat and the other at the side where the TAZ electronics board is so it can blow in cool air from the outside to cool off the board electronics. Fans are mounted to the enclosure, so you have to disconnect them when removing the enclosure. You will also need 4 screw holes to attach the fans to the enclosure. Before cutting place the fan over your hole and mark the screw holes to make sure they line up. Also make sure your screw holes doesn't overlap with your 4" fan hole, if it does make the hole 3.75".

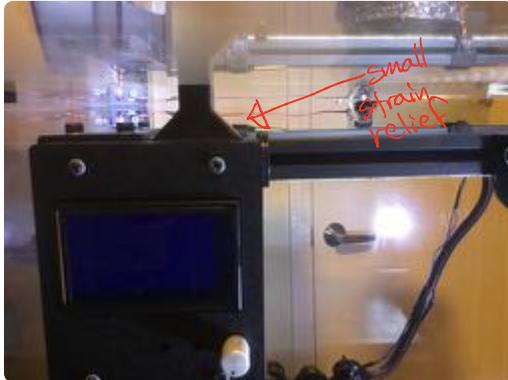
opening for wires (USB, power, fan cables, LED cables)



opening for filament.

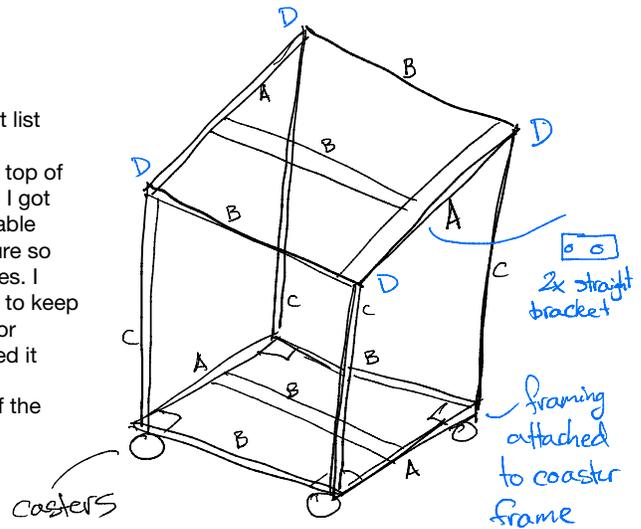
120mm intake fan (located outside) with grill and air filter

- Cables hole - you'll need about a 1/2" to 1" hole in the side back of the case to run your printers power, use, fan power, and led power cables through. Another option is to cut a hole in the wood base and feed it through the bottom.
- Filament feed hole - I made mine round about 2" and printed a cap to go over it. I think cutting a thin wide slot may work better, it's your choice. I printed a simple spool holder and place my filament outside, on top of the enclosure.

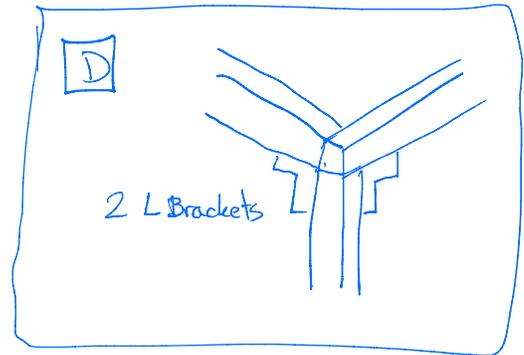


Small strain relief that I placed on my printer's 2020 frame to give the acrylic top a little more support

- There are 14 aluminum frames from misumi.
- 4x 658mm A
- 4x 635mm C
- 6x 607mm B
- 4 casters
- Various L brackets, nuts and M5 x8 screws (see part list excel)
- I used 2 pieces of wood that I attached to make the top of the table (they didn't have a single 28x26" piece, so I got two pieces to make those dimensions. I made the table slightly bigger than the outline of the acrylic enclosure so that the edges wouldn't hang off due to off tolerances. I used 4 corner bumper attached with mounting tape to keep the acrylic top from sliding off. Note I added holes for screws but didn't end up using it since I just mounted it with mounting tape.
- I printed stability brackets in 70% abs for stability of the frame.



Casters have metal plate to attach to frame. I also added 2 red brackets to each bottom corner to stabilize the frame

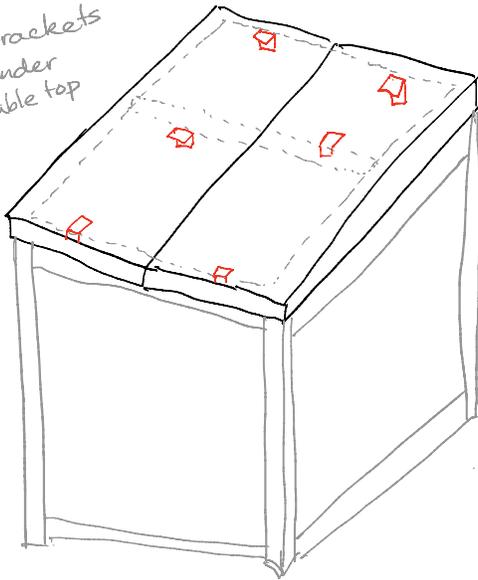


Underside of table showing framing beam to support the two pieces of wood.



Bumpers attached to corner with ninja flex bumper between to keep the acrylic case from falling, also two sided bracket at each top corner for stability.

Note: brackets  
are under  
the table top



### Table Top Attachment

The table top is attached with 6 L brackets to the frame. You could probably design and print your own L bracket and save some money since it's not really going to be used to hold up the table top, just prevent the wood from sliding. You don't have to use 2 pieces of wood, you can use just one if you can find it. Or many smaller pieces, but then you'll need more brackets and have more small gaps on your table top.

The same configuration of brackets are used on the bottom wood shelf.