



2020 Extrusion Half-Rack Cart Enclosure



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Summary

General plan of my enclosure riding on a 1/2 rack mount cart. Used 2020 extrusion to create a space frame.

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I created this design using aluminum extrusion to fit on top of a 1/2 cabinet rack. I put a cement paver on top of the rack and created dowel holes through the bottom of the extrusion rail into the cement block. T-slot angle brackets and door brackets formed the frame corners, and corner gusset plates were 3d printed to add rigidity. Acrylic panels on the sides and polycarbonate on the top keep the dust out. I also added my BTT octopi display enclosure that is on my profile.

Model files



[full_plan.stl](#)

Other files



full_plan.pdf

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