Faraday Cage

Jul 3–5, 2018

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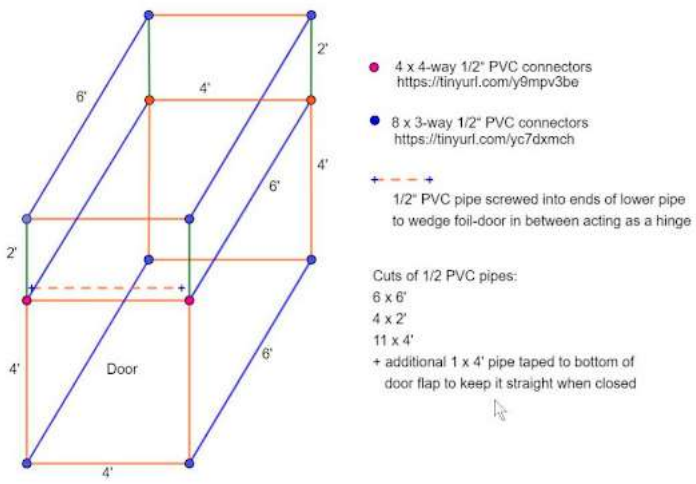
This faraday cage was built using PVC pipes and connectors and 60 inch wide aluminum foil from AtticFoil (https://atticfoil.com/index.php/products/60-wide-super-wide/).
Although an 8 foot long cage is preferable, a 6 foot long cage was built due to limited space. This was also the reason for the 6 foot height. This cage sits at ground level.
A U-frame was built using three 4' pieces of 1/4" thick poplar wood planks. L-shaped metal brackets with screws keep them together. Ends of the screws were sawed off. 4' zinc metal strips were screwed to the L-frame. The frame is part of the support structure for the aluminum foil door flap.



The U-frame is attached to the PVC pipes above, below and to its sides using plastic cable ties, looped through holes drilled into the U-frame wood.



Two sheets of 5' wide aluminum foil were laid out on the floor and taped to each other using copper tape with approximately a 6 inch overlap. It was then laid out underneath the cage structure and wrapped all around, length-wise, till the ends met each other with a significant enough overlap of 12 inches or so.