

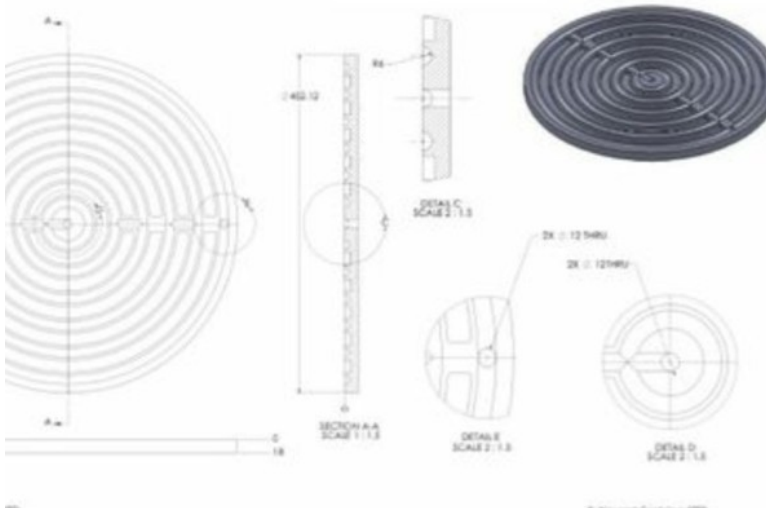
## Abstraction to magnetic cooling-

Electricity is the main part of innovation which we bring forward. Metamaterial manufacturing has been a large barrier to Entry, and one which mechanical innovation only lives in a revolving door of formability issues with exotic ergonomics and costs; next generations parle a device layer at the board whenever randomized magnetic absorption properties propagate dispersion entropy, at a rate. Other considerations lay on the basis of compensation to the field of matter which rotates the necessary refrigeration.

## Physics

I am going to use sheaves/sprocket/pulley under each FF1 module driven by a belt that will raise and lower the insulator. One motor will be on floor turning primary shaft that has sprockets with belt that drives individual insulators in each FF1 module. I was going to just mount tiny motors on top of FF1 and drive insulator plates with that, but don't

want motor s near FF1 for possible heat concerns and who wants to run harnesses/cabbling.



The magnetic fridge WIP is in the 2nd module (cylinder from ground). What is needed is the magnet, shown. The heat exchange fluid, (that's what all the piping is about) the Magnetocaloric material Gd, in the pockets of cylinder shown. Pumps

and things just exchange the heat and provide a Low Temperature Heat Reservoir for a moment, which is isolated from the fridge material when the magnetic field is slowly mimized to zero. (this is when the cooling takes place, while the field is decreasing in strength)