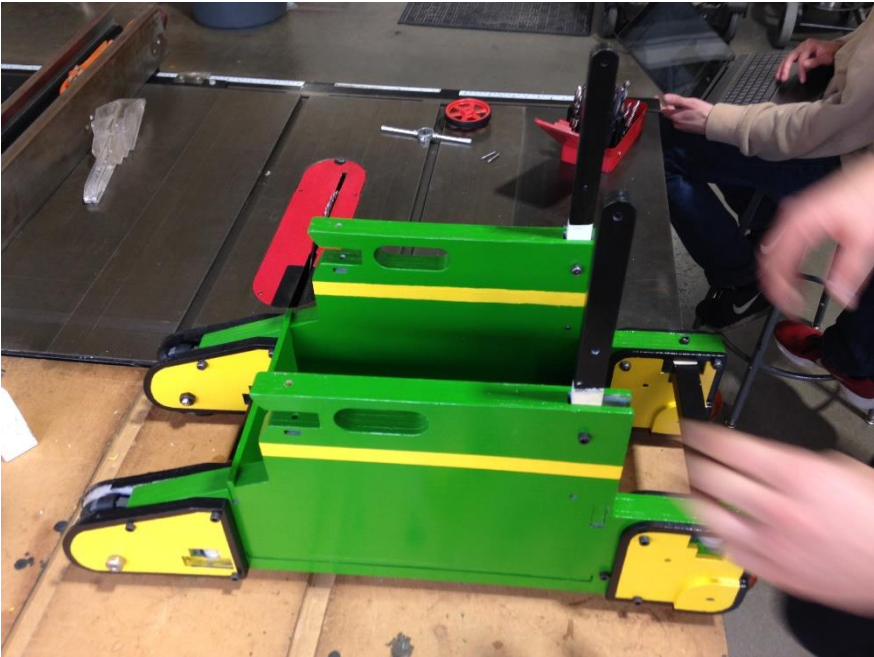
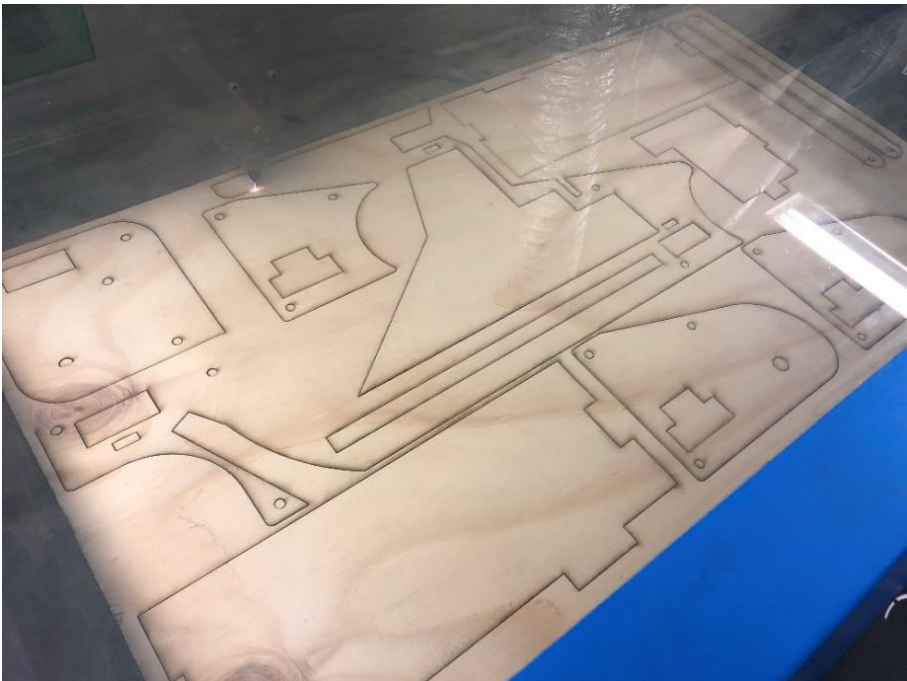
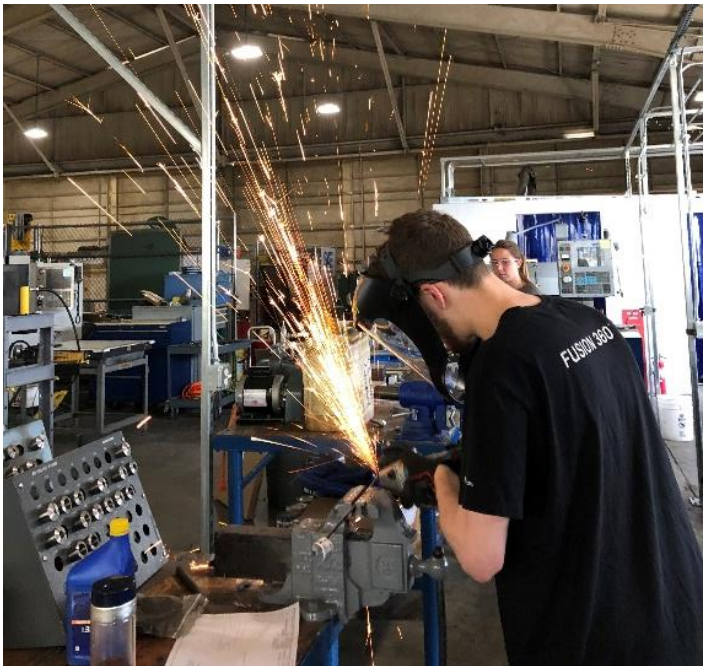
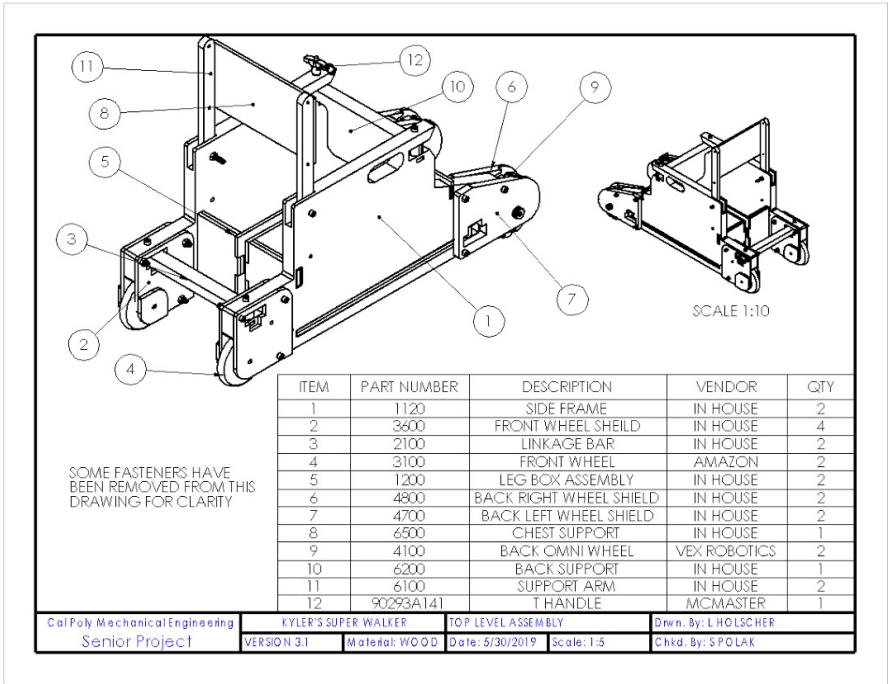
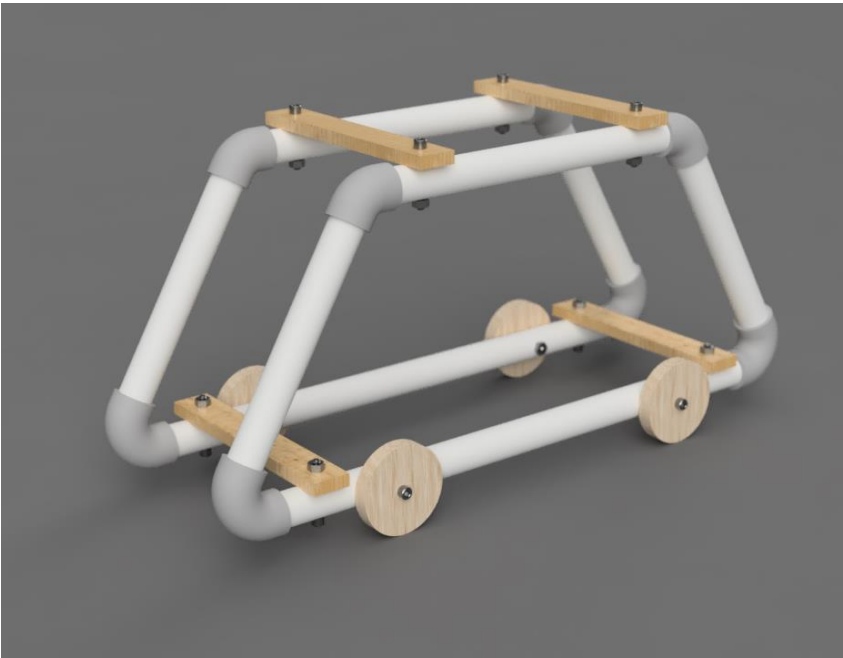


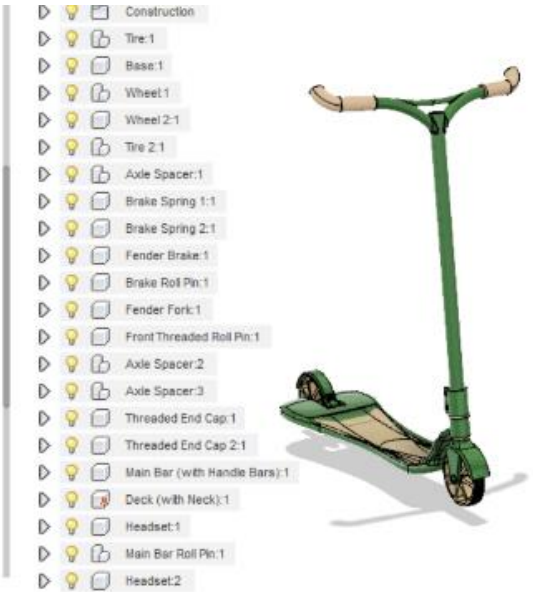
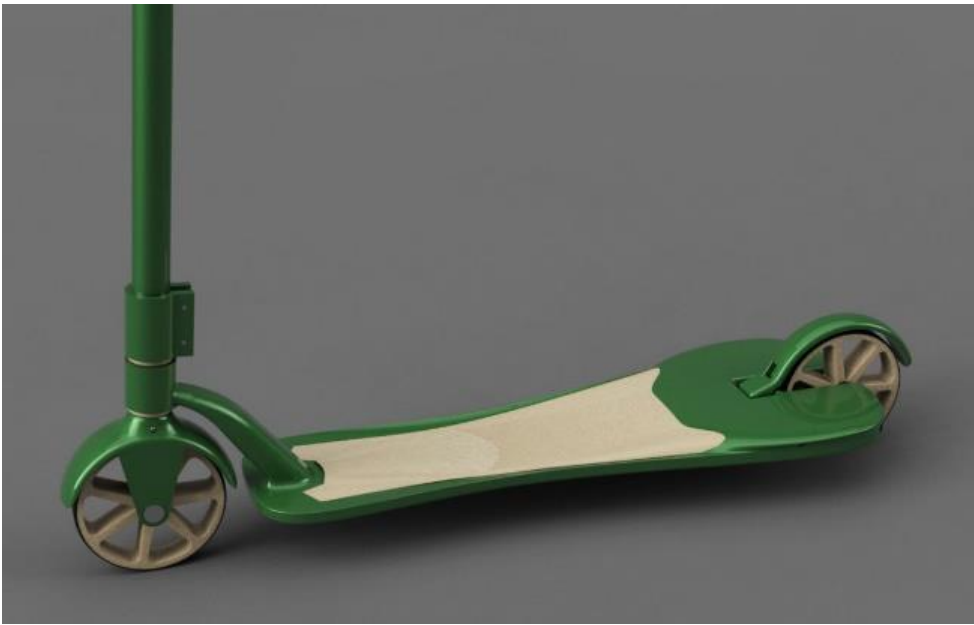
Shown below are pictures related to my Senior Design Project, where our team designed a walker for a user with limited joint mobility. Duties included CAD modeling, mechanical assembly, and interacting with our sponsor.



Shown below are select CAD projects and engineering drawings designed using either SolidWorks or Fusion 360.
All renderings produced in Fusion 360.

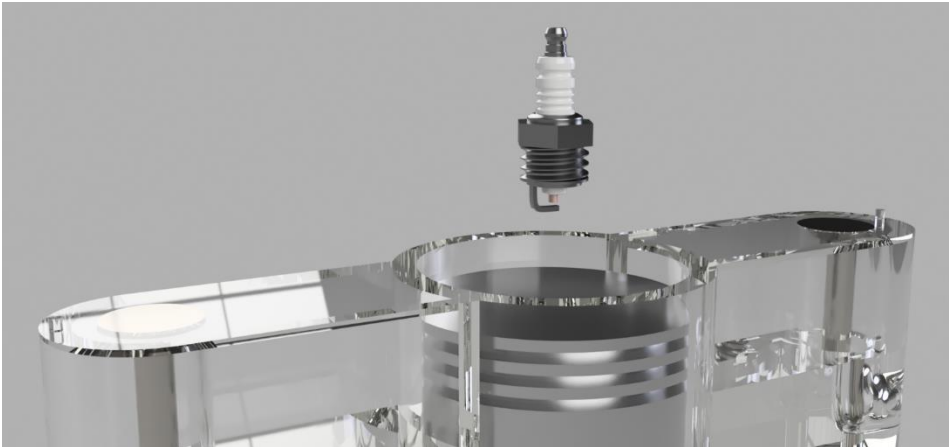
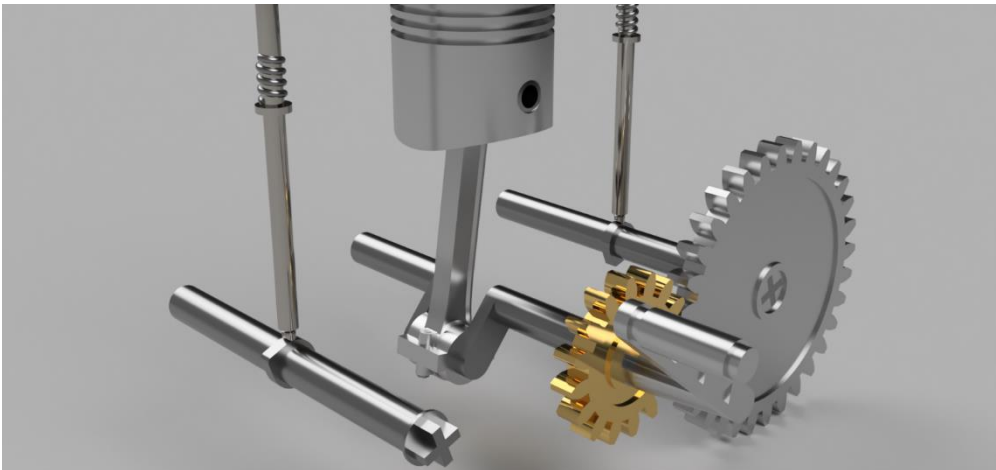
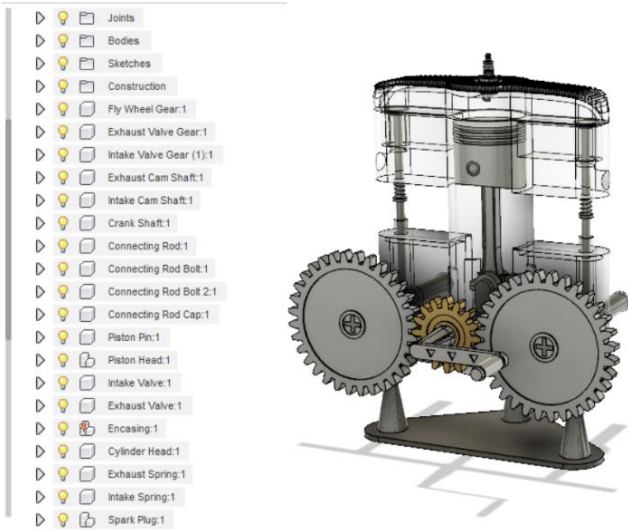
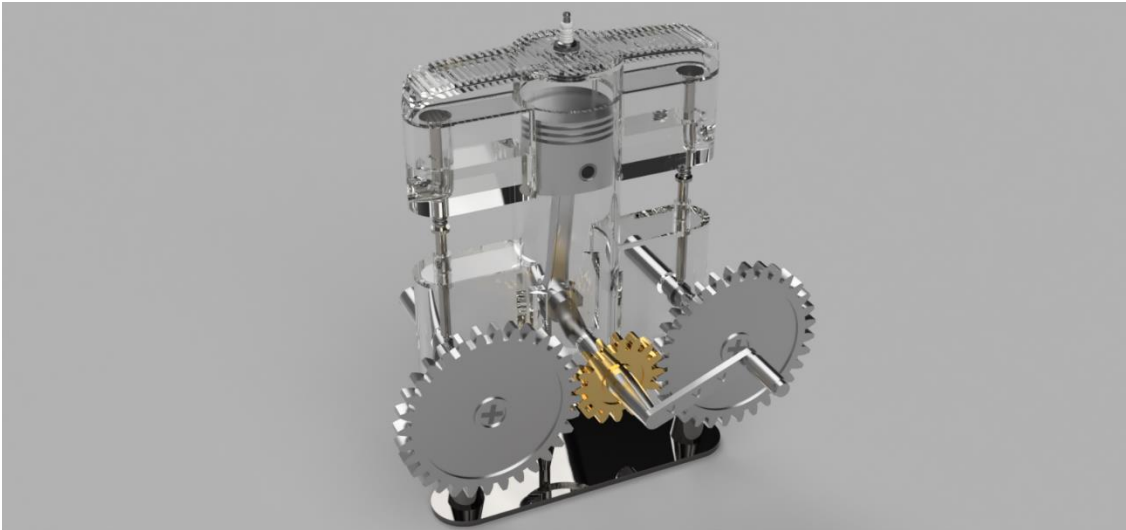
Scooter – Fusion 360

Assembly features functional brake system, rotating slide tube, and organically-designed deck



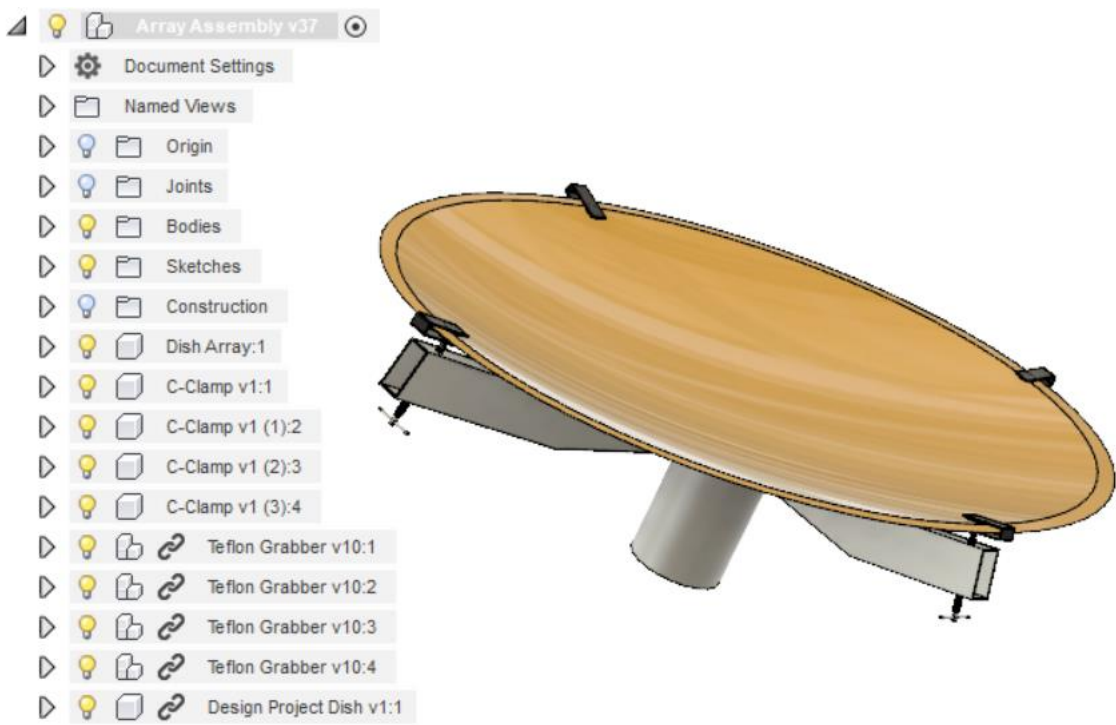
Model Four-Stroke Engine – Fusion 360

When the crank is spun, the piston and valves replicate intake, compression, combustion, and exhaust strokes of the engine cycle



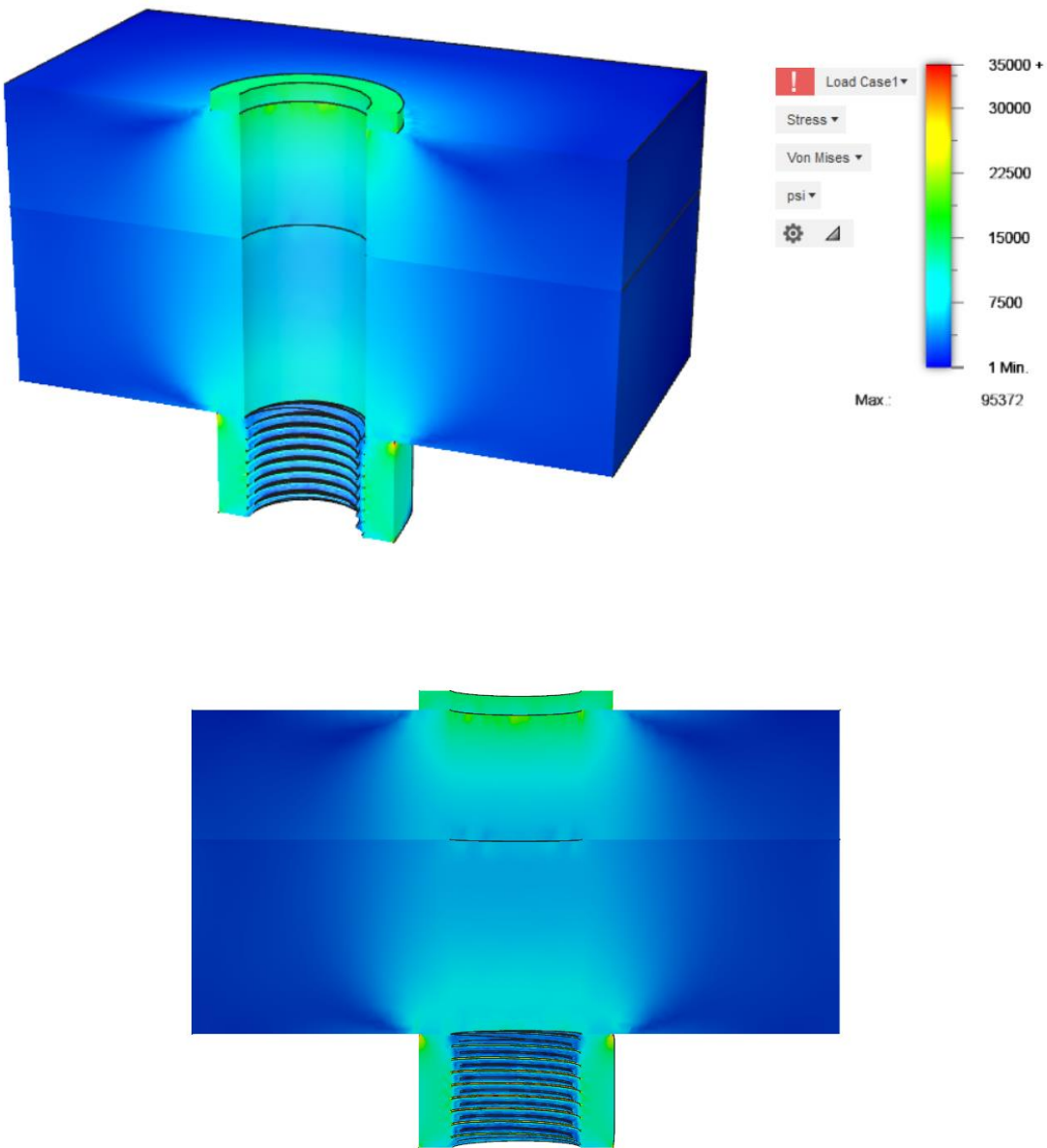
Solar Dish Concentrator – SolidWorks

Concentrator array configuration features custom design to clamp and orientate the dish to reflect sunlight

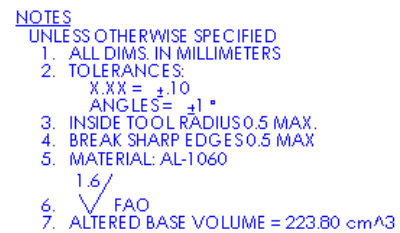


Bolted Joint FEA – Fusion 360

Study simulates a bolt and nut clamping two plates in order to analyze the shape of the stress distribution frustum



Engineering drawing of base component completed as university coursework



Engineering drawing of rotor completed as university coursework

