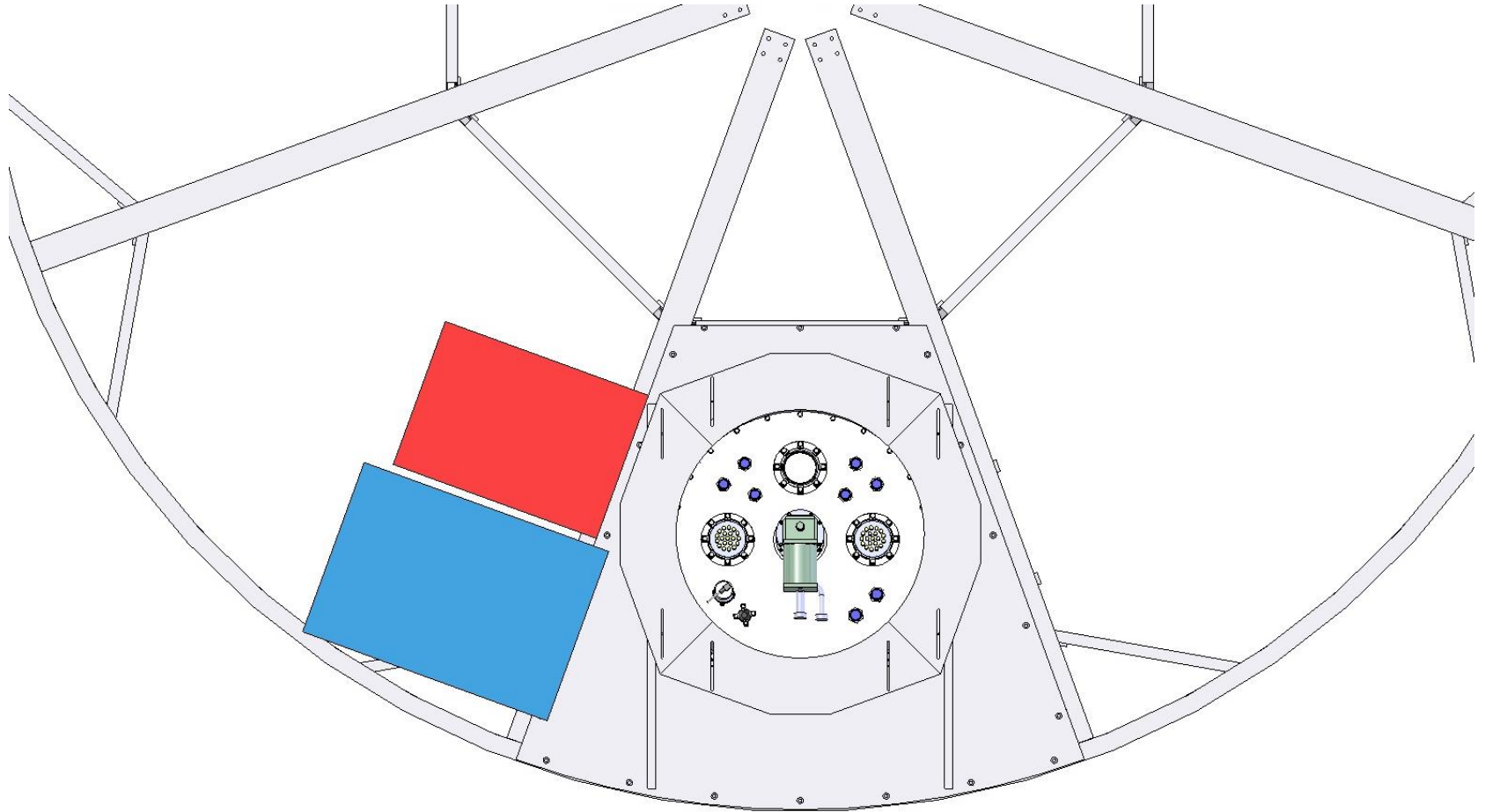


BYU
rack

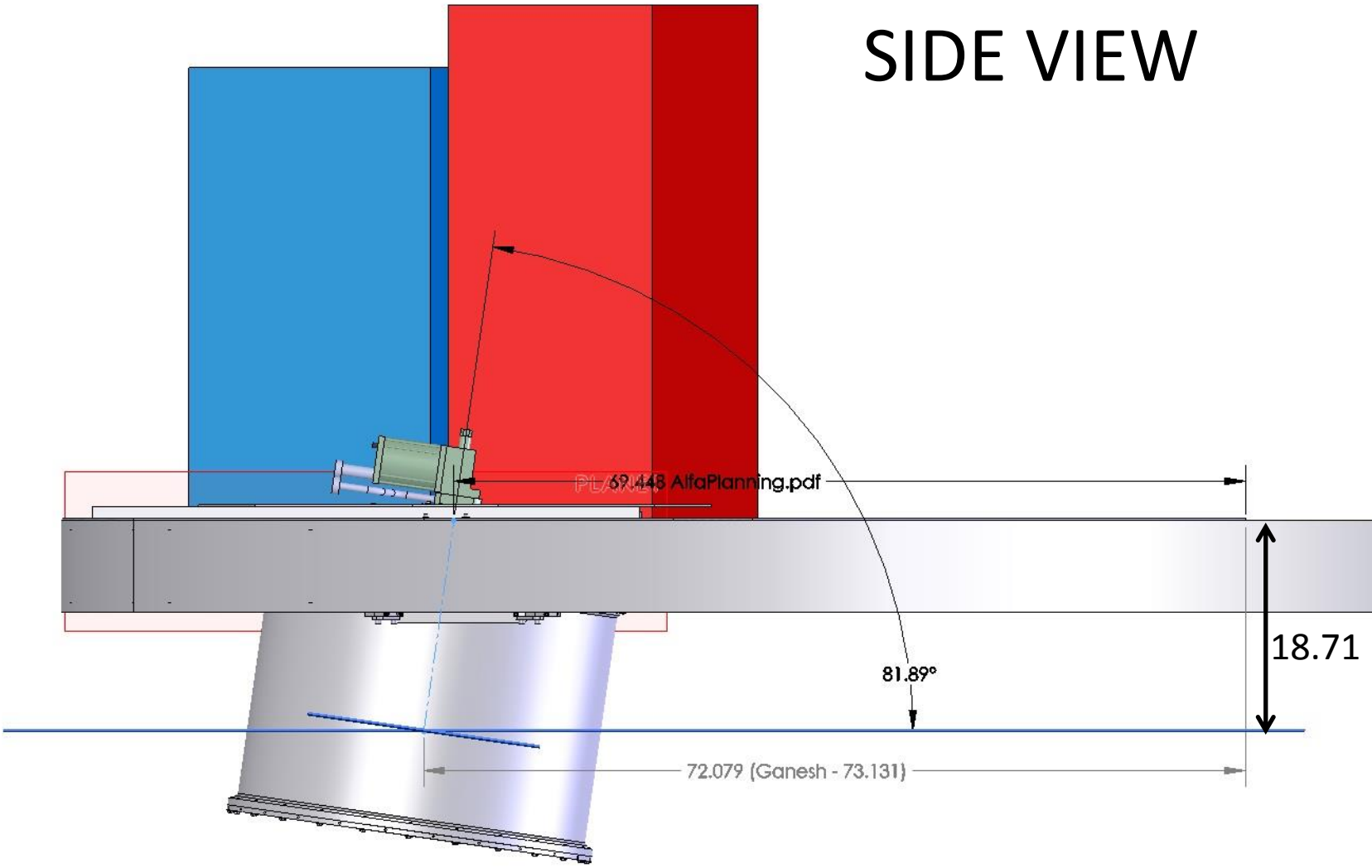
Cornell
rack

environmental shielding
(seals hole in rotary floor)

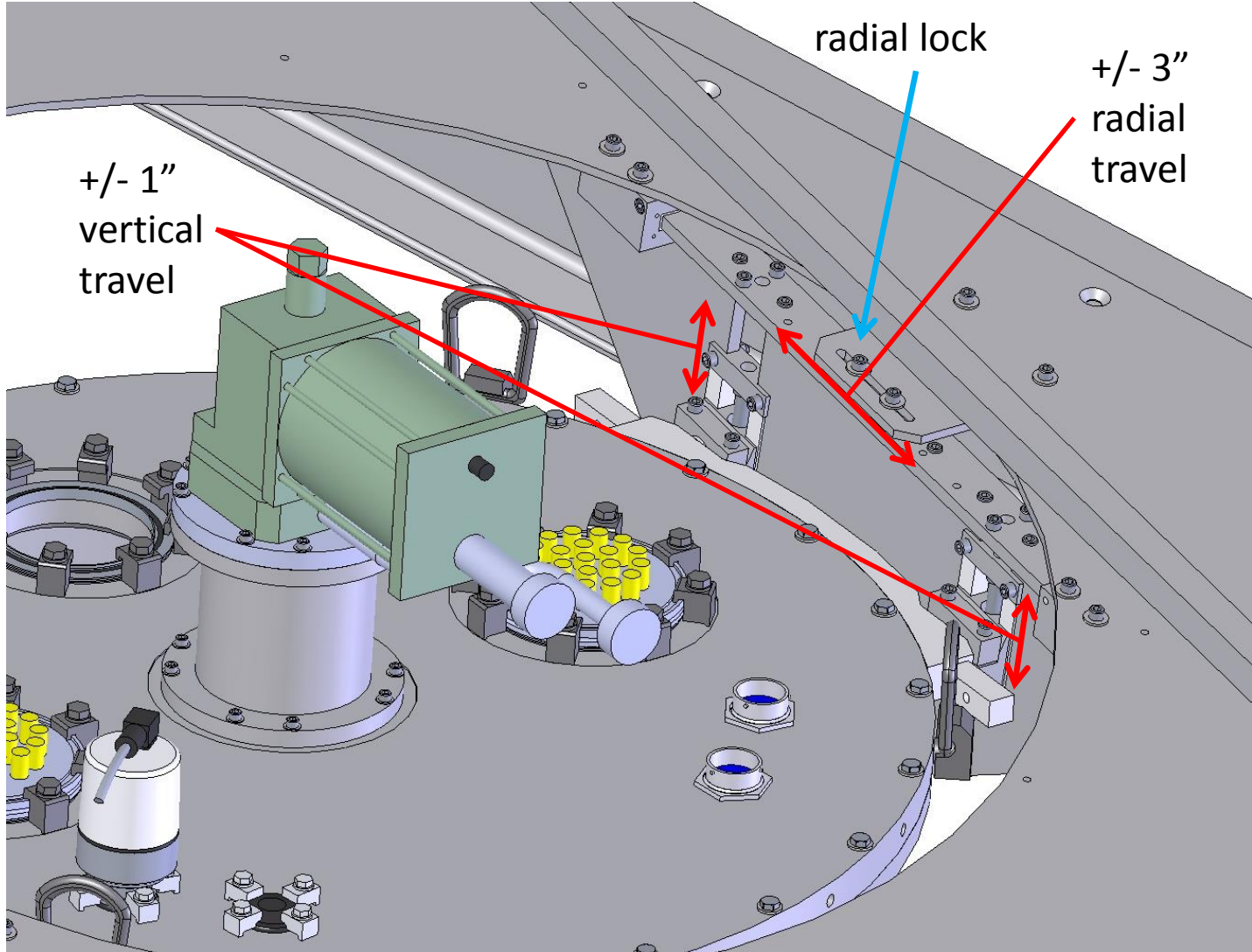
Top view



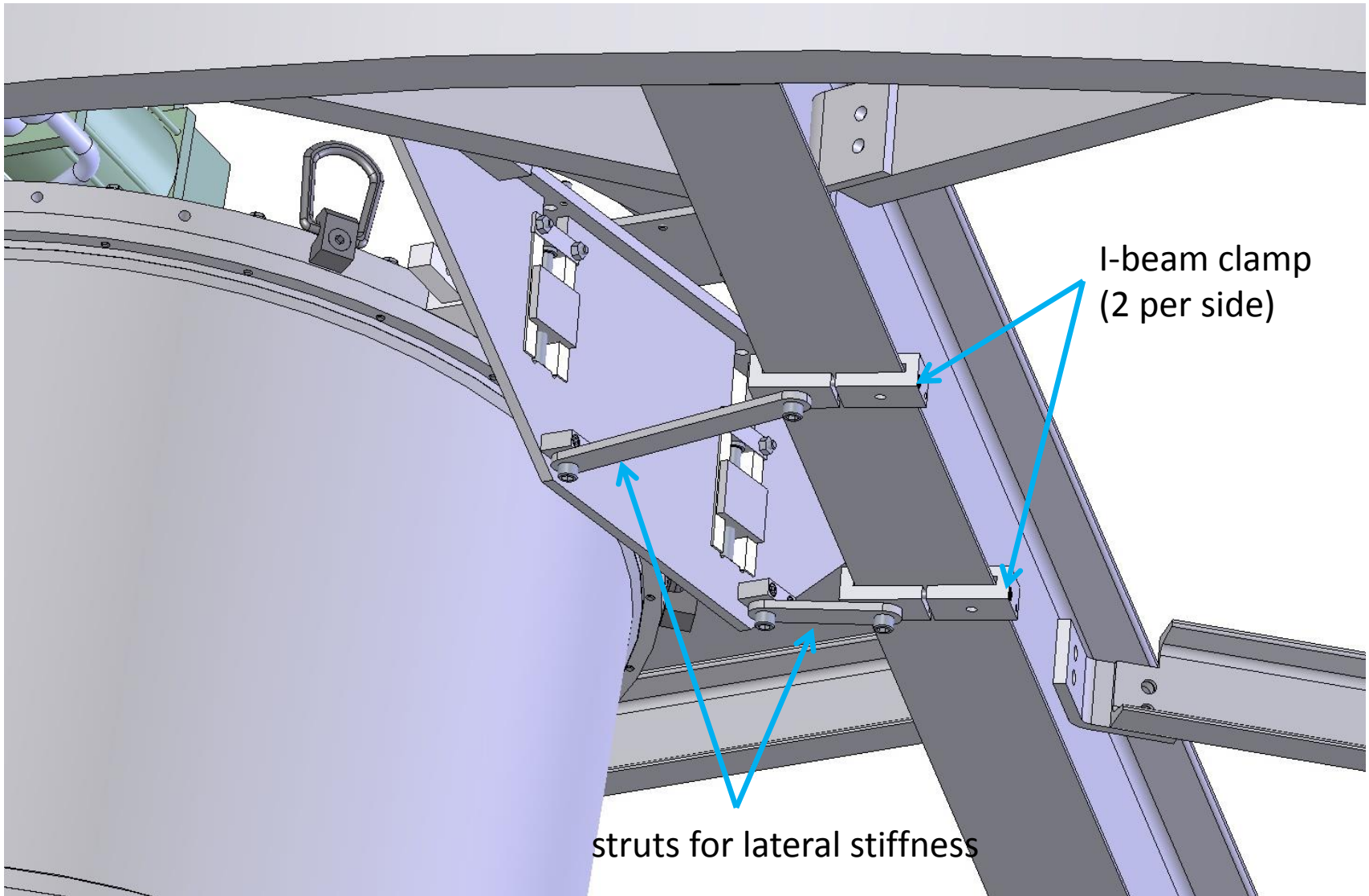
SIDE VIEW



mount detail top

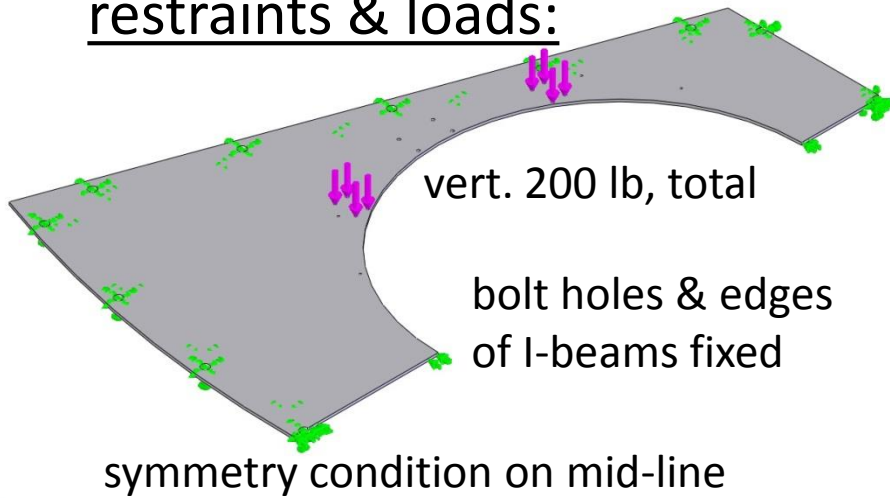


mount detail - bottom



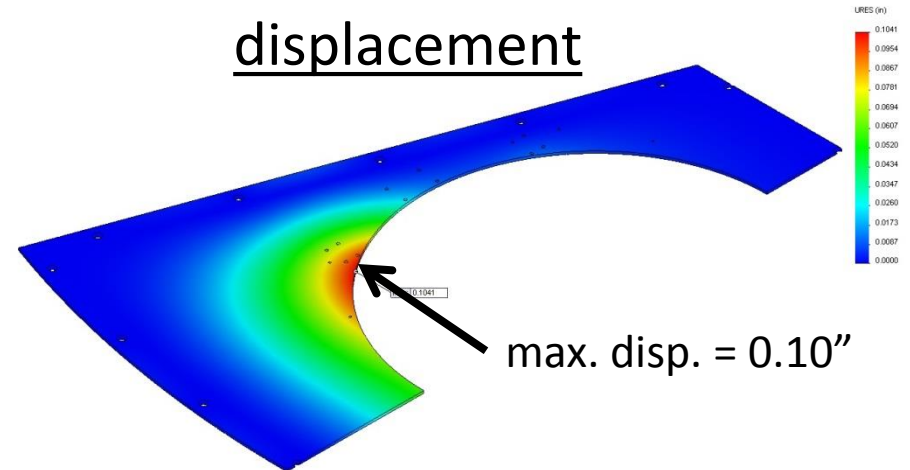
FEA of plate*

restraints & loads:

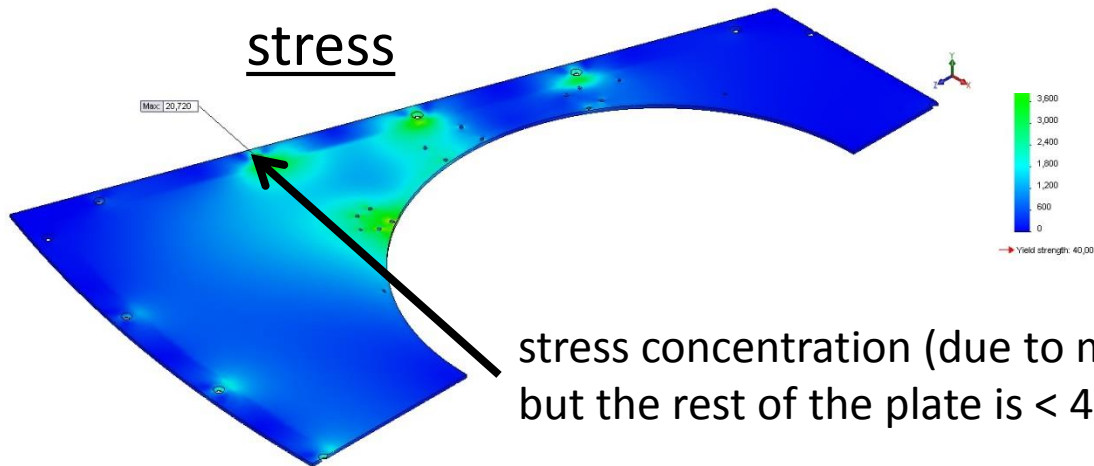


* 1/4" plate, 6061-T6

displacement



stress



Seems OK but disp. has me a little worried – re-running with sq. bar overlay

stress concentration (due to meshing), ~20,000 psi, but the rest of the plate is < 4000 psi