

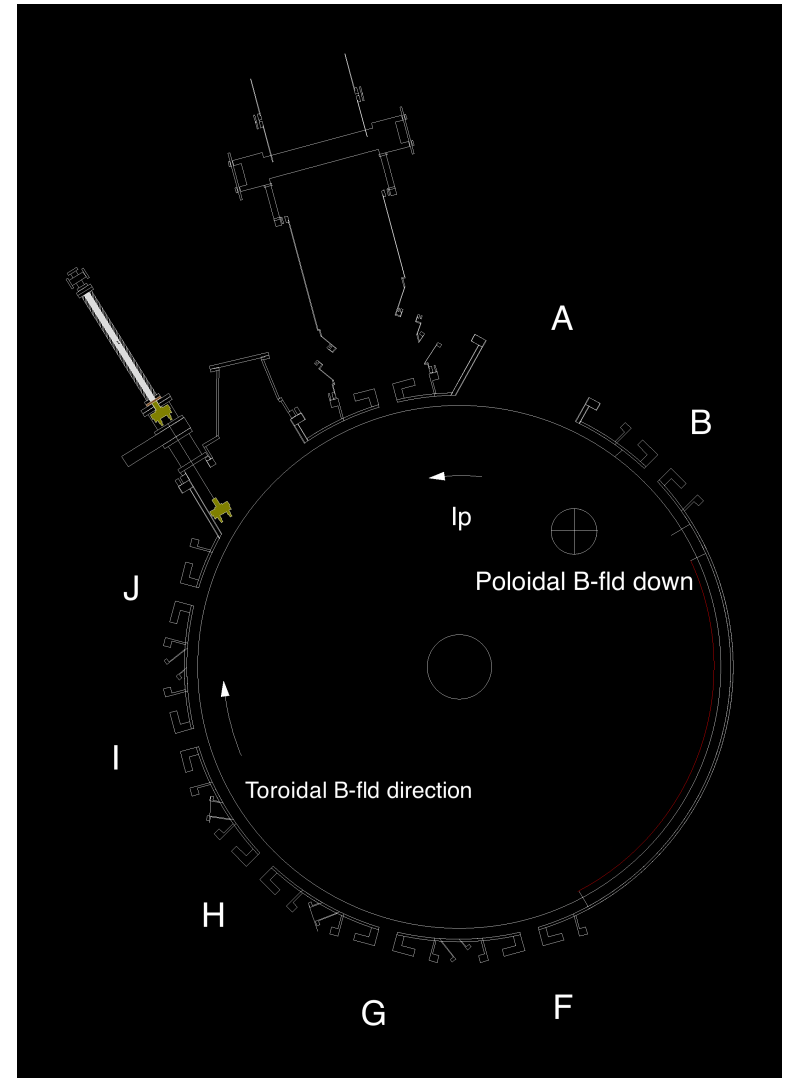
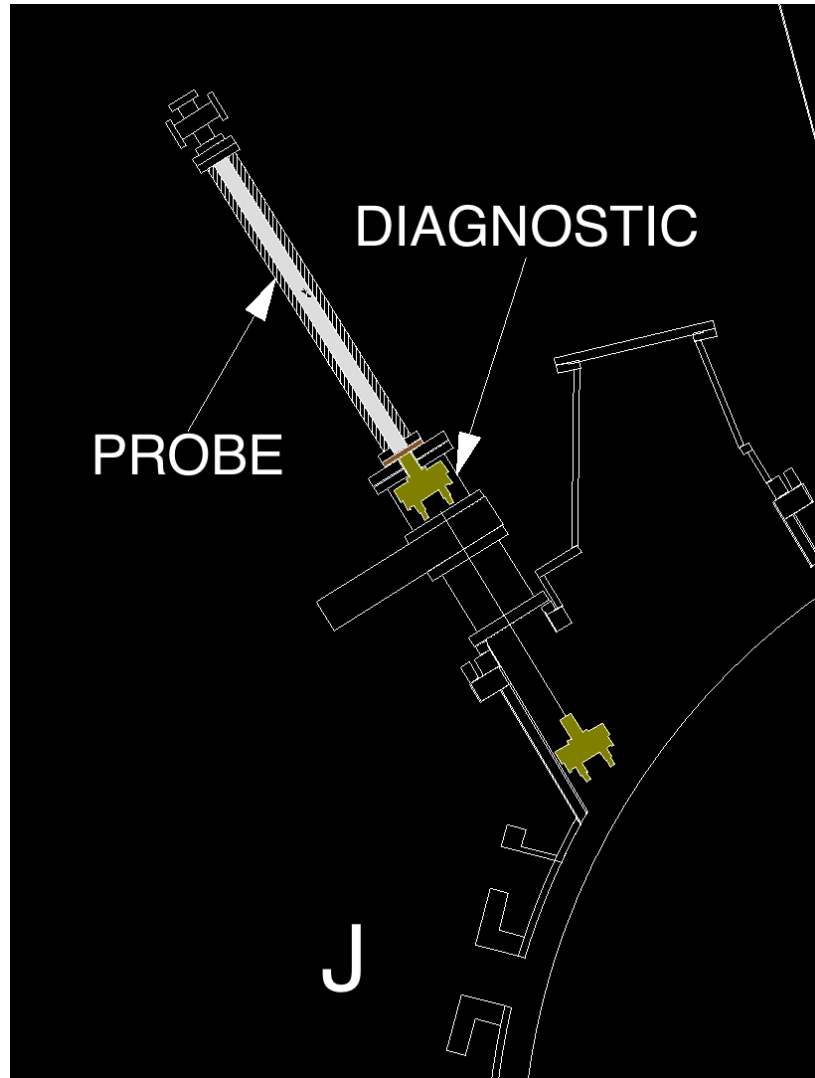
DIAGNOSTIC DESIGN

Preliminary Design Review

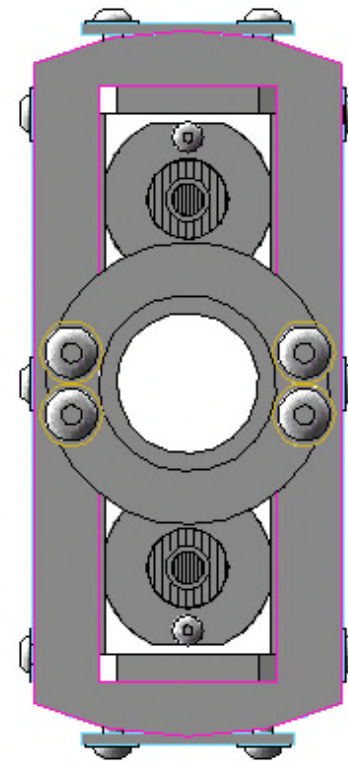
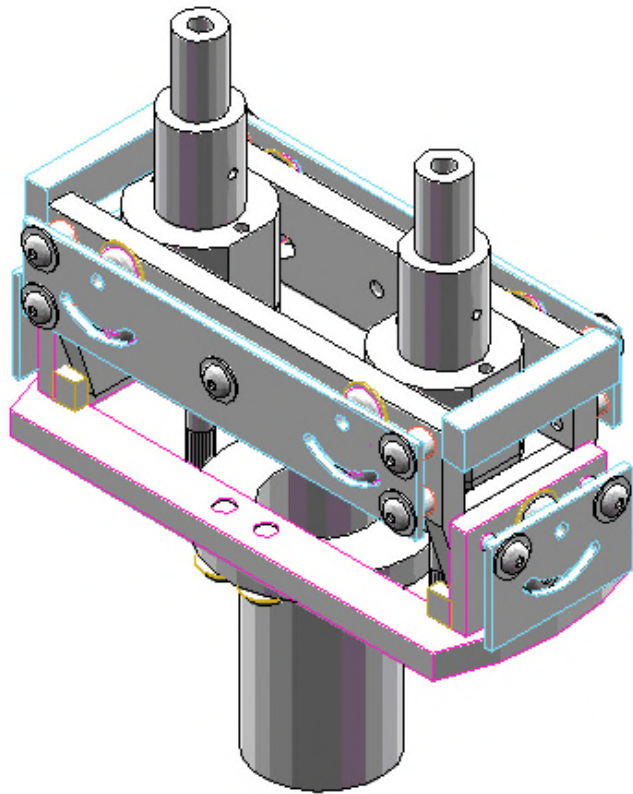
Materials

- 316 stainless steel
- PPPL will silver plate all screws
- Parts will be darkened
- Screws to be secured by spot-welding silver wire

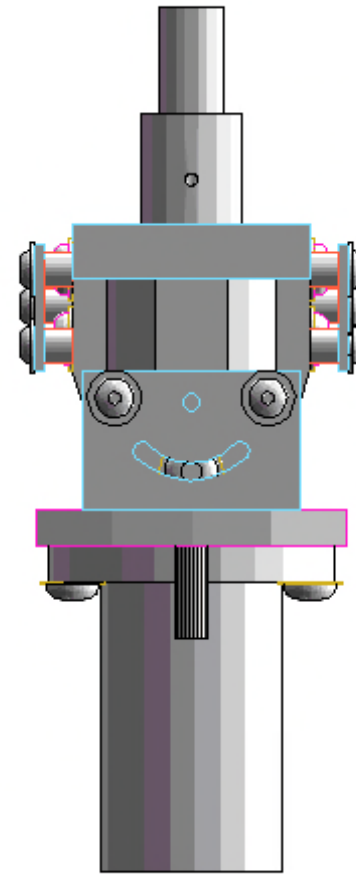
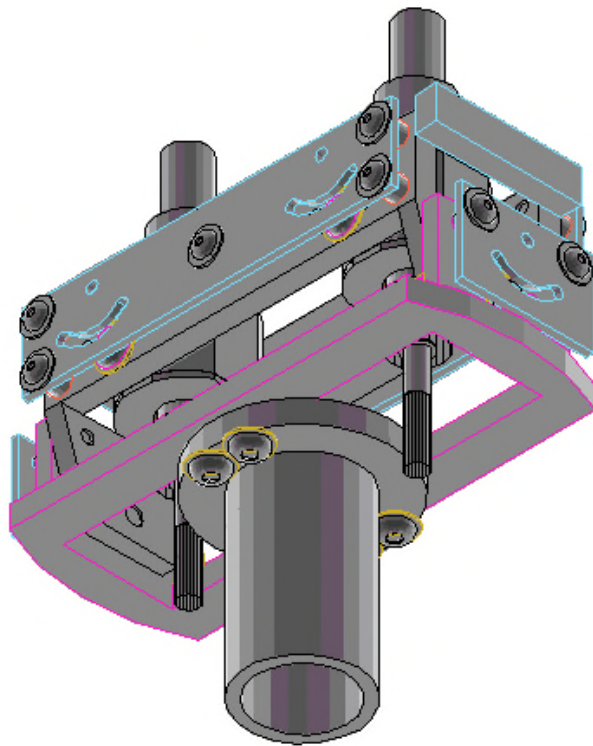
Total Assembled View 1



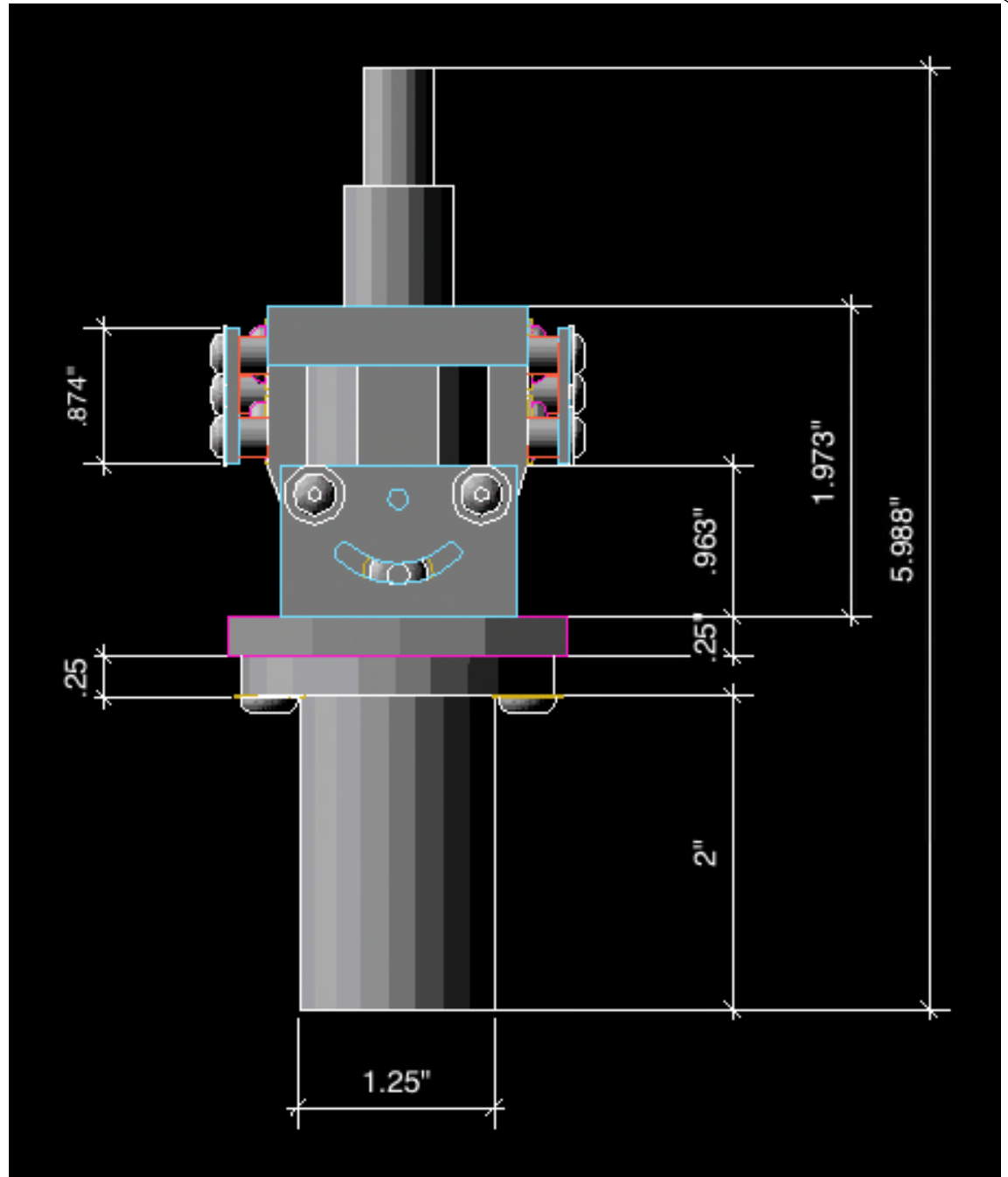
Total Assembled View 2



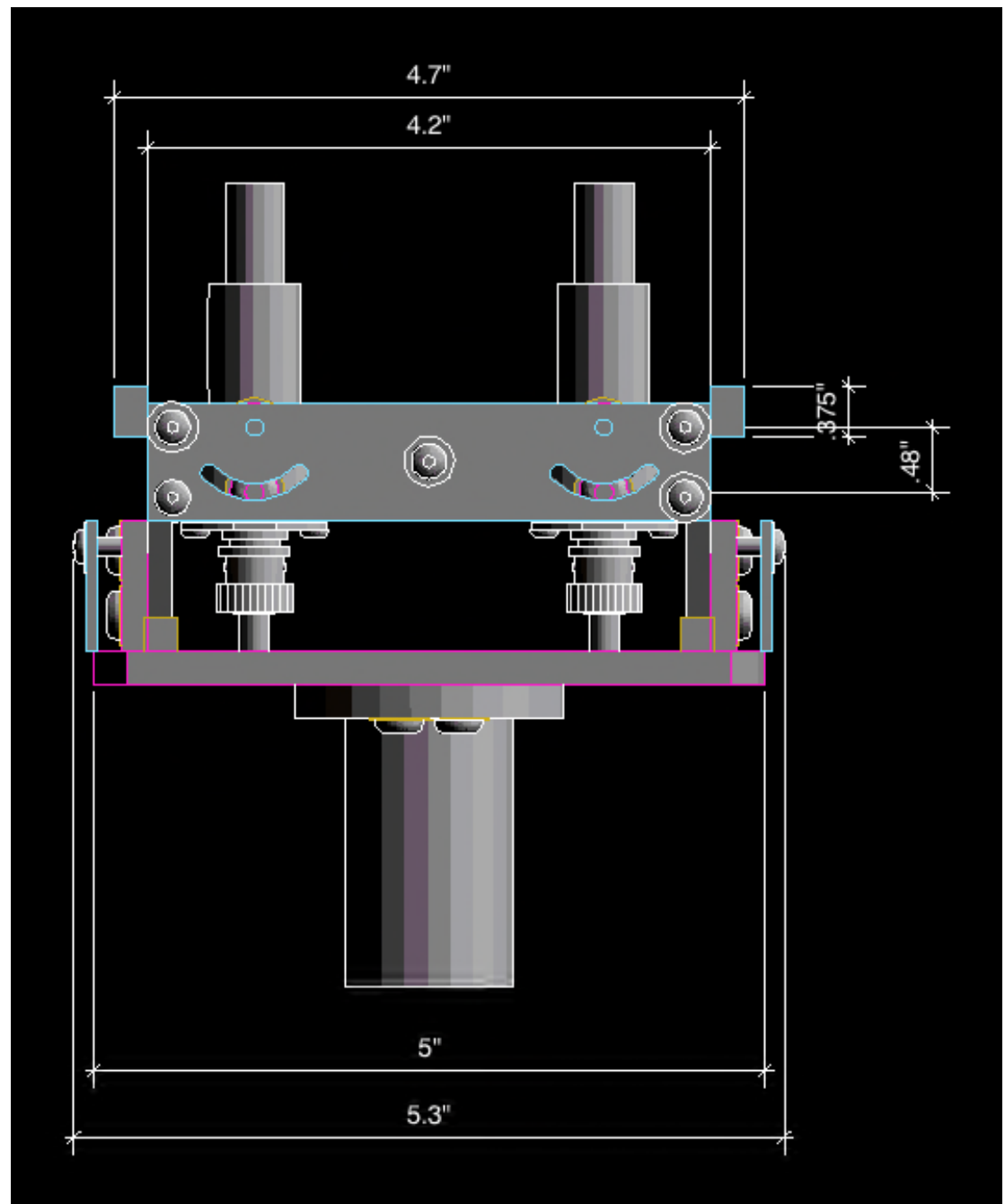
Total Assembled View 2



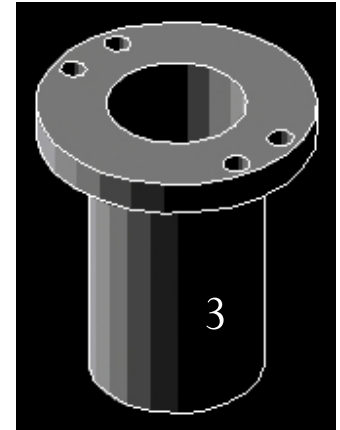
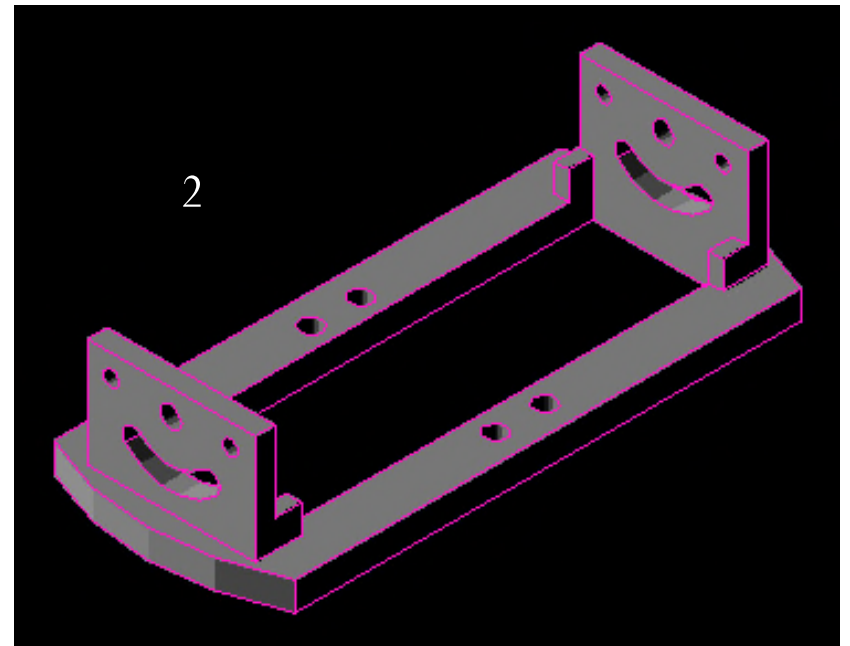
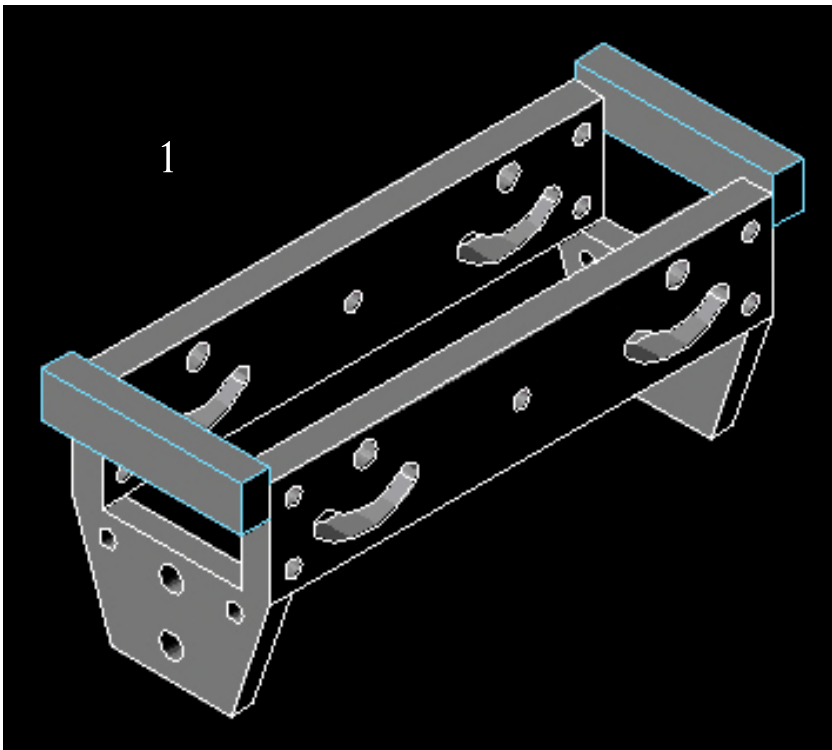
Total Assembled View 2



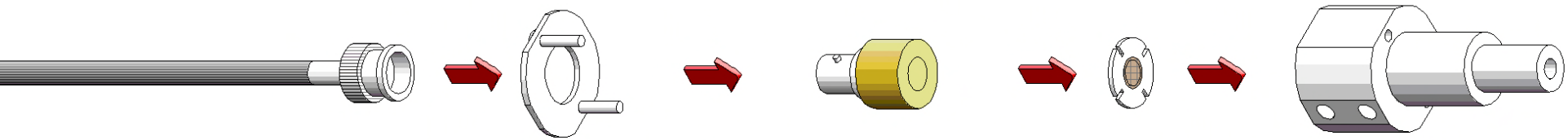
Total Assembled View 2



Mounts 1, 2, 3



Module Assembled View 1



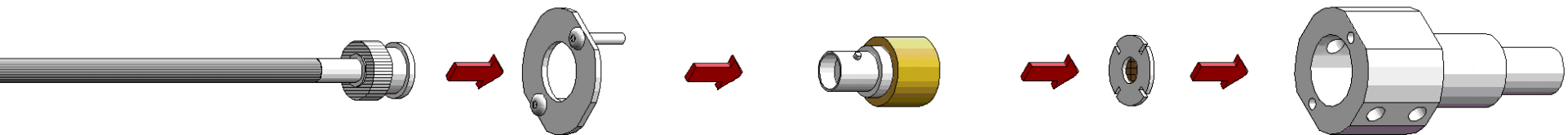
Cable

Base

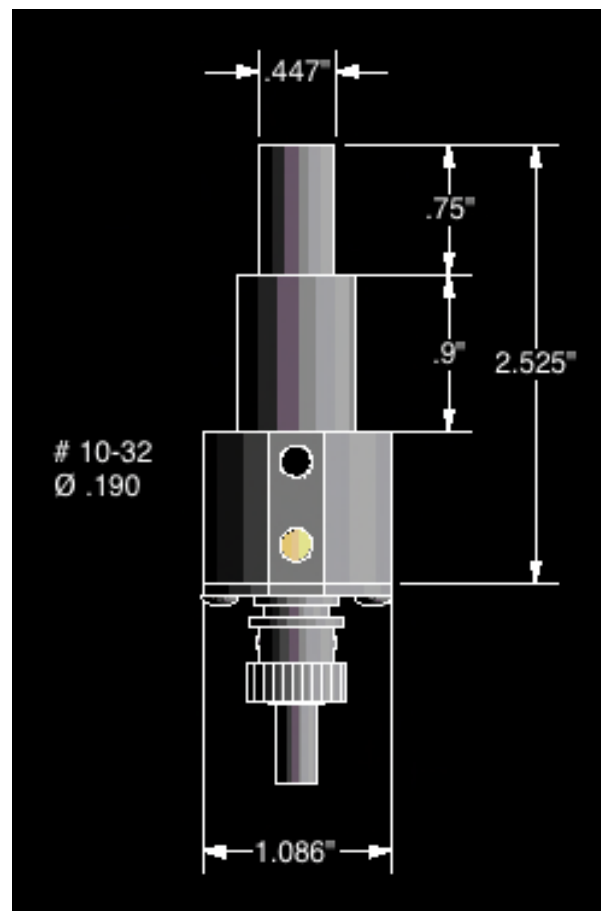
Detector

Washer

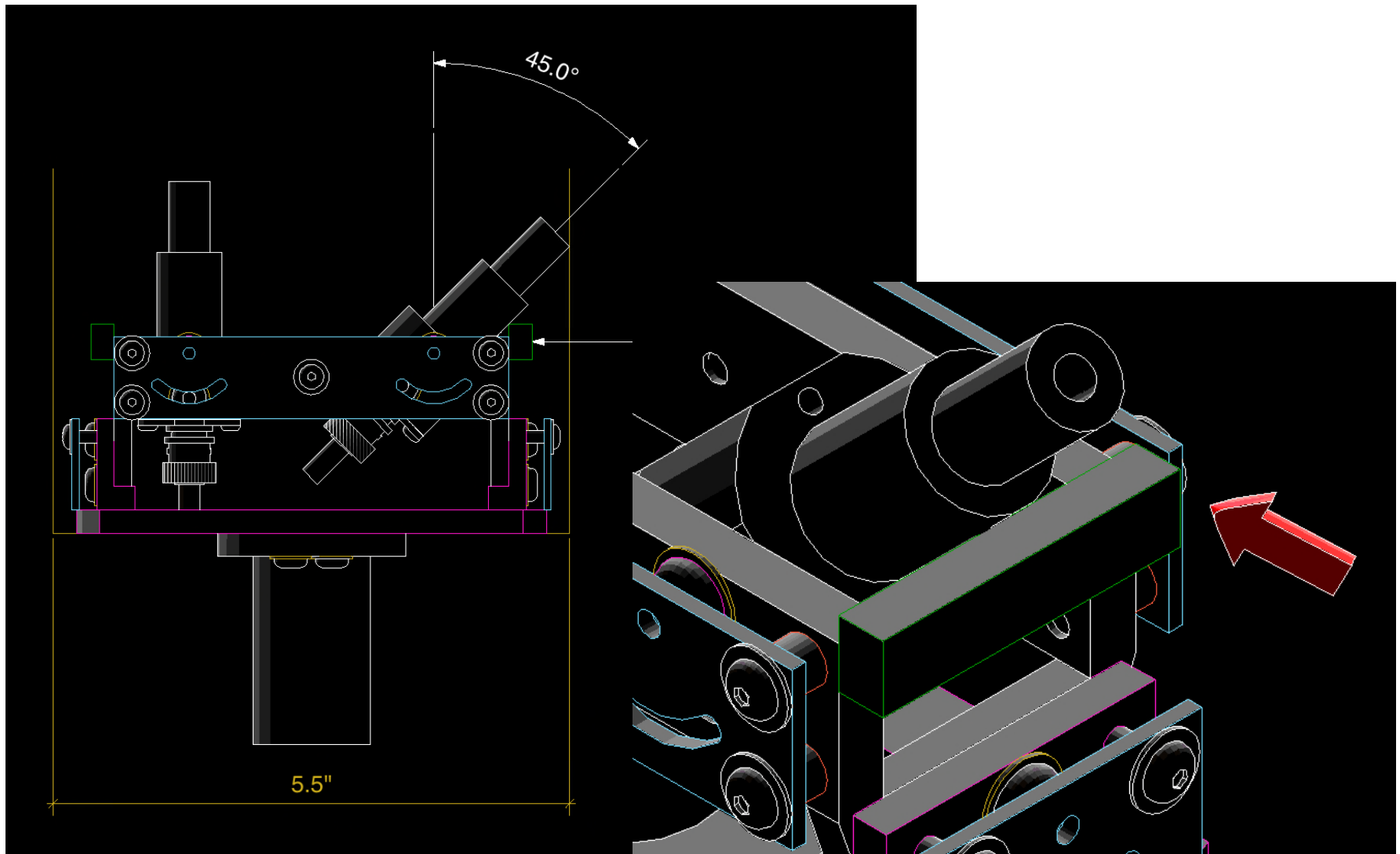
Module



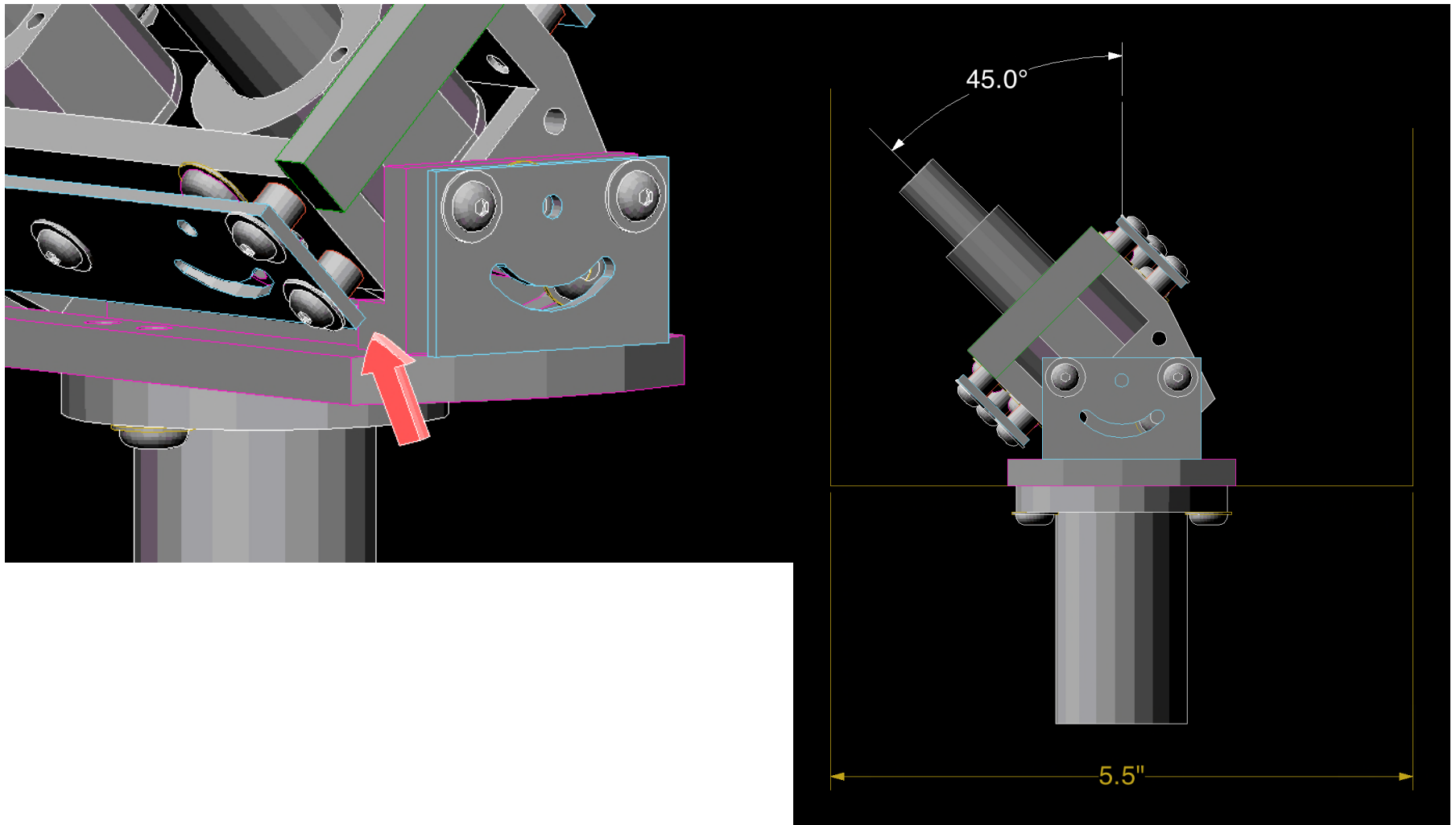
Module Assembled View 2



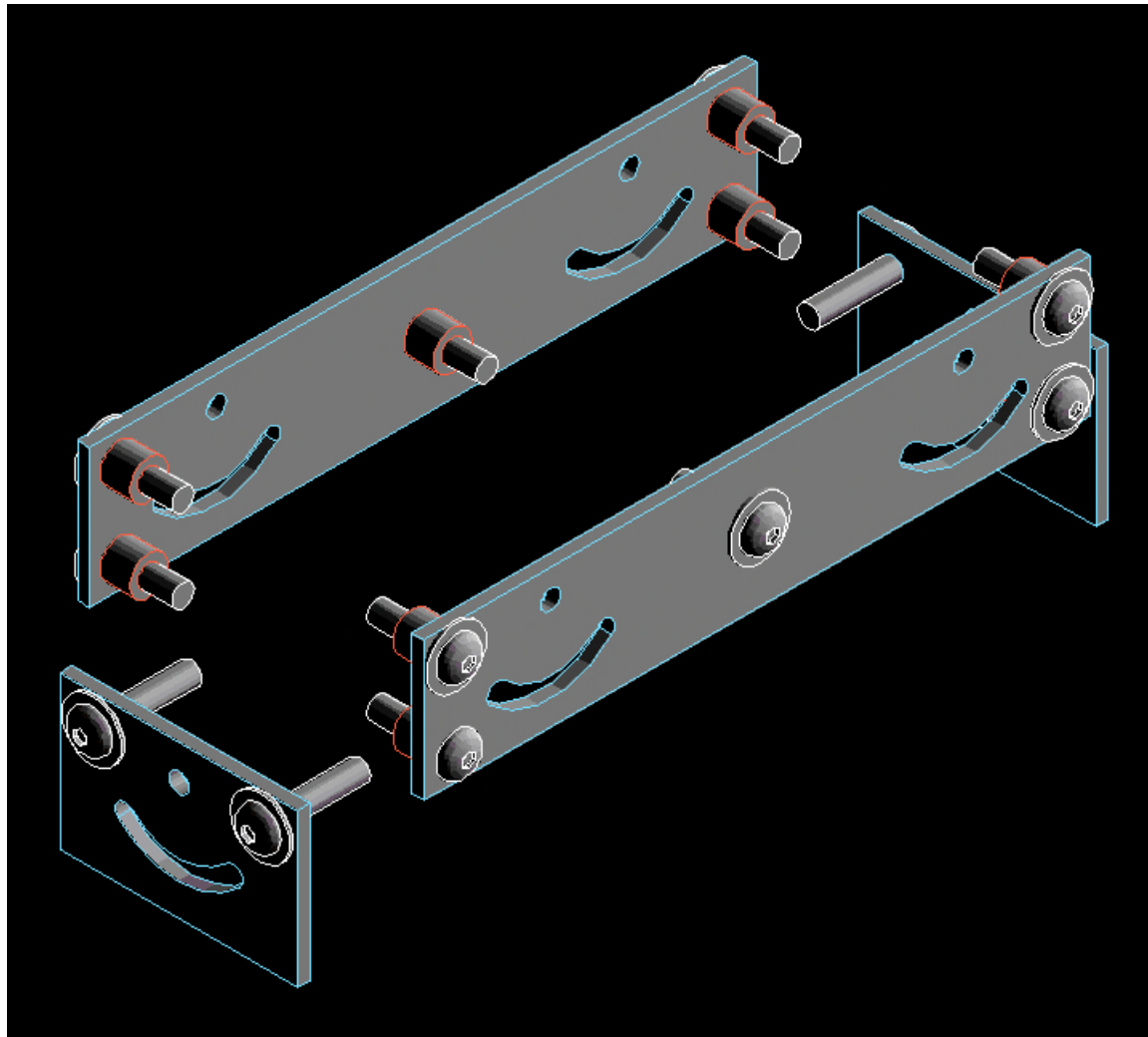
Module Rotation



Mount 1 Rotation



Covers



Covers

- Practical for changing module and mount rotation angle
- Holes are large enough for Allen Key to fit, but not for the socket cap screw to fall out
- Screws securing cover are spot-welded

