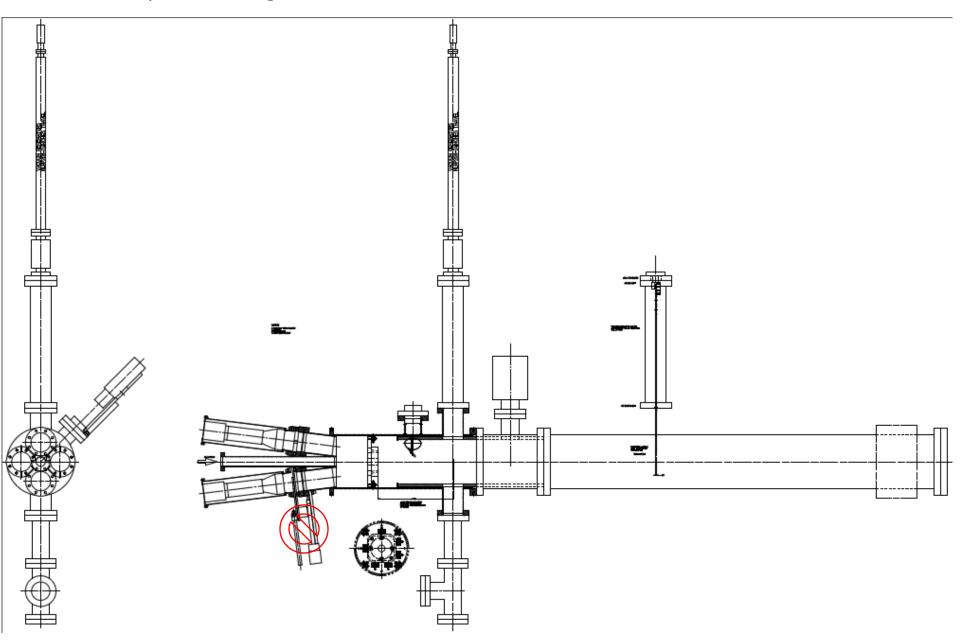
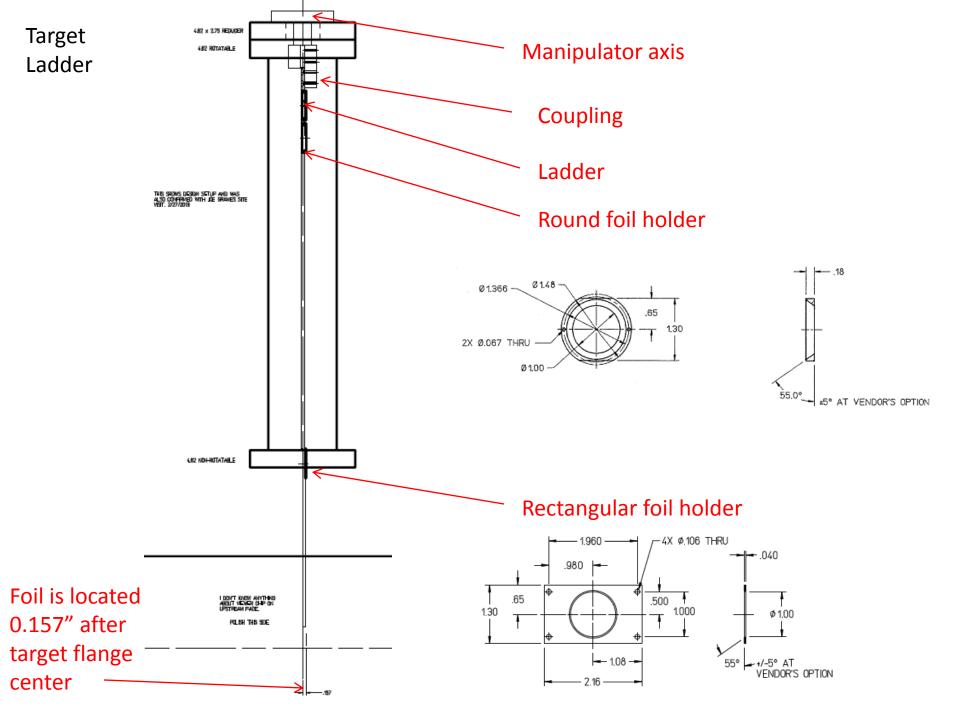
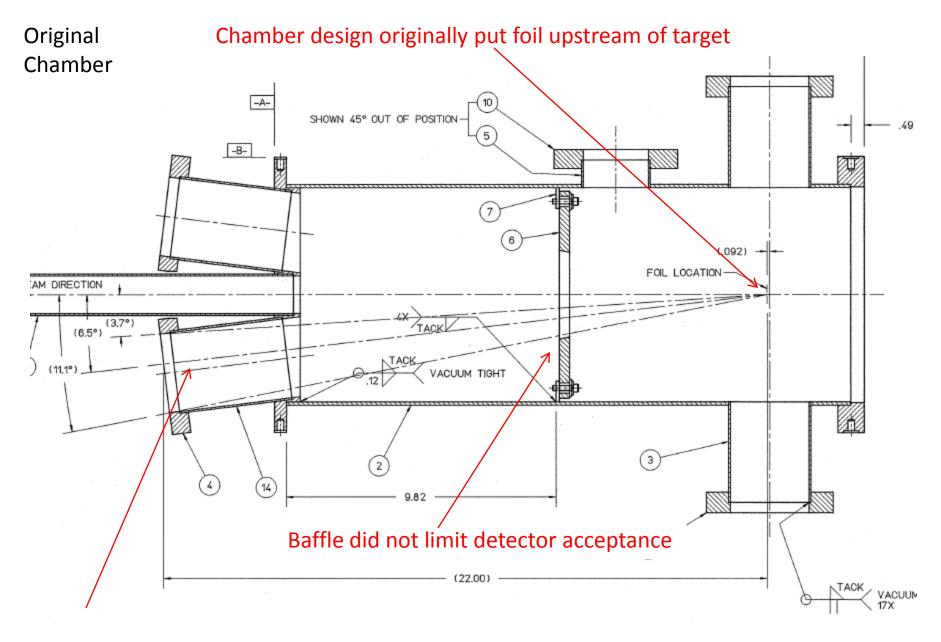
New Mott layout evolving ... almost there.

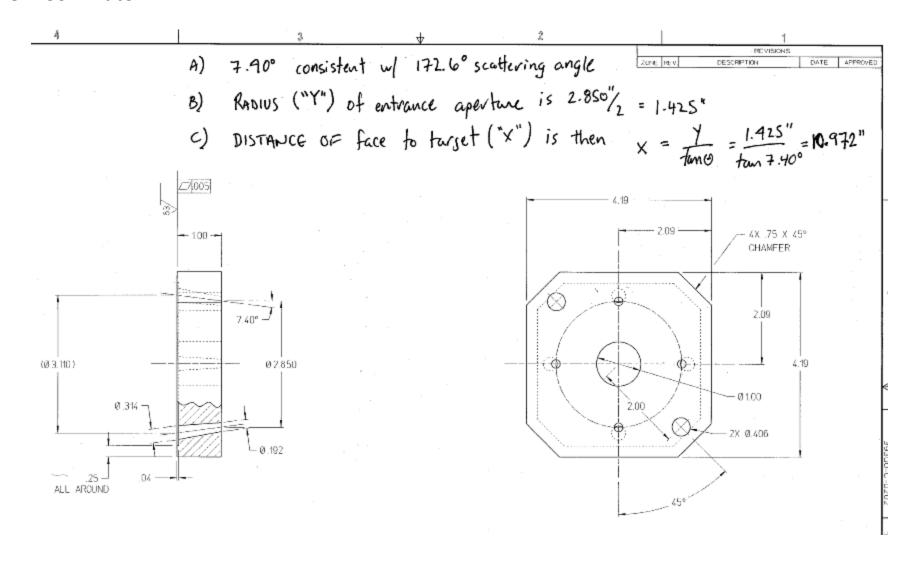




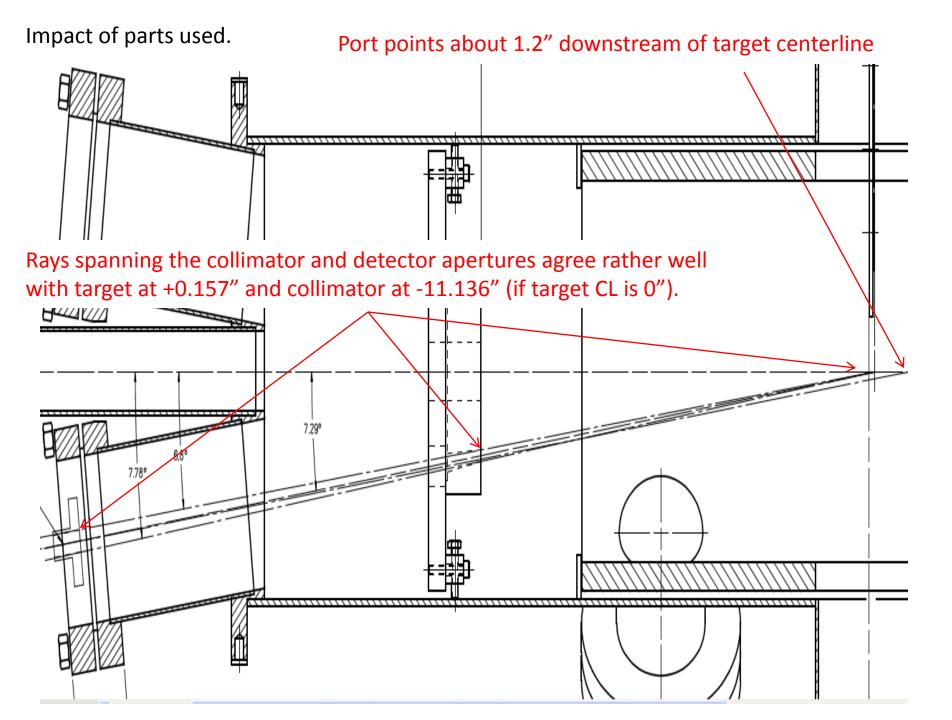


And, detector port centerline is welded onto vessel at 7.0 deg (173 deg) and the slits were position for <7 deg (>173 deg).

## **New Collimator**



- Baffle is now a collimator. Geometry indicates ideal location is 10.972" upstream of target
- Designer has two different values: 10.972" and 11.136" (these differ by 0.164")
- I suspect the two dimensions are wrt to target flange center and target foil itself



## Conclusions

- ✓ Target ladder parts and dimensions appear well understood.
- ✓ One scenario appears to be converging:
  - ☐ Targets at 0.157"
  - ☐ Detector acceptance centered on 7.0 deg port defines a 7.29 deg line to target
  - □ Collimator with 7.4 deg design positioned on 7.29 deg line at -11.136"
- ✓ Designer to demonstrate rays with collimator at -10.792" for comparison.
- ✓ I have asked alignment group for collimator and target positions.