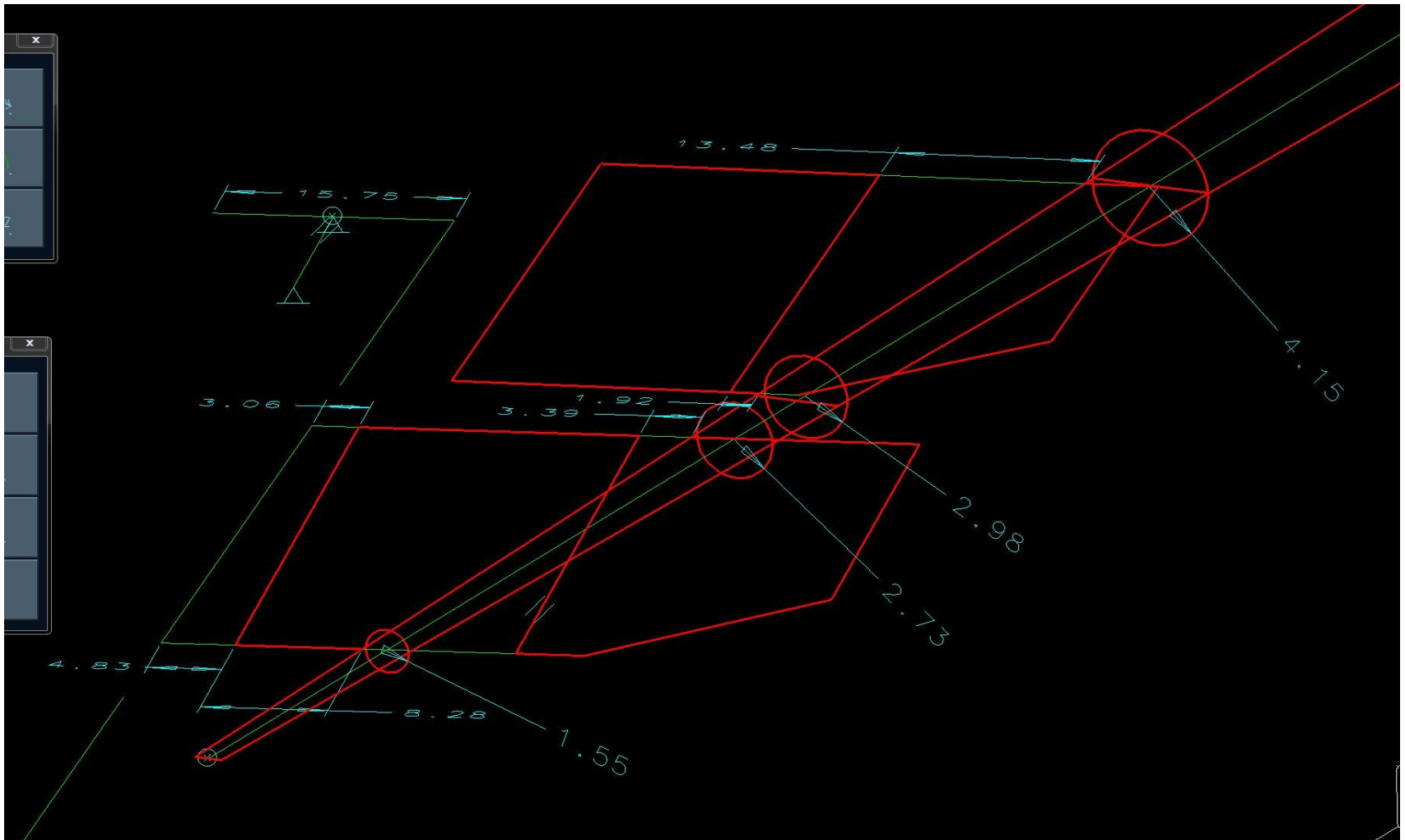


SBS Design Status

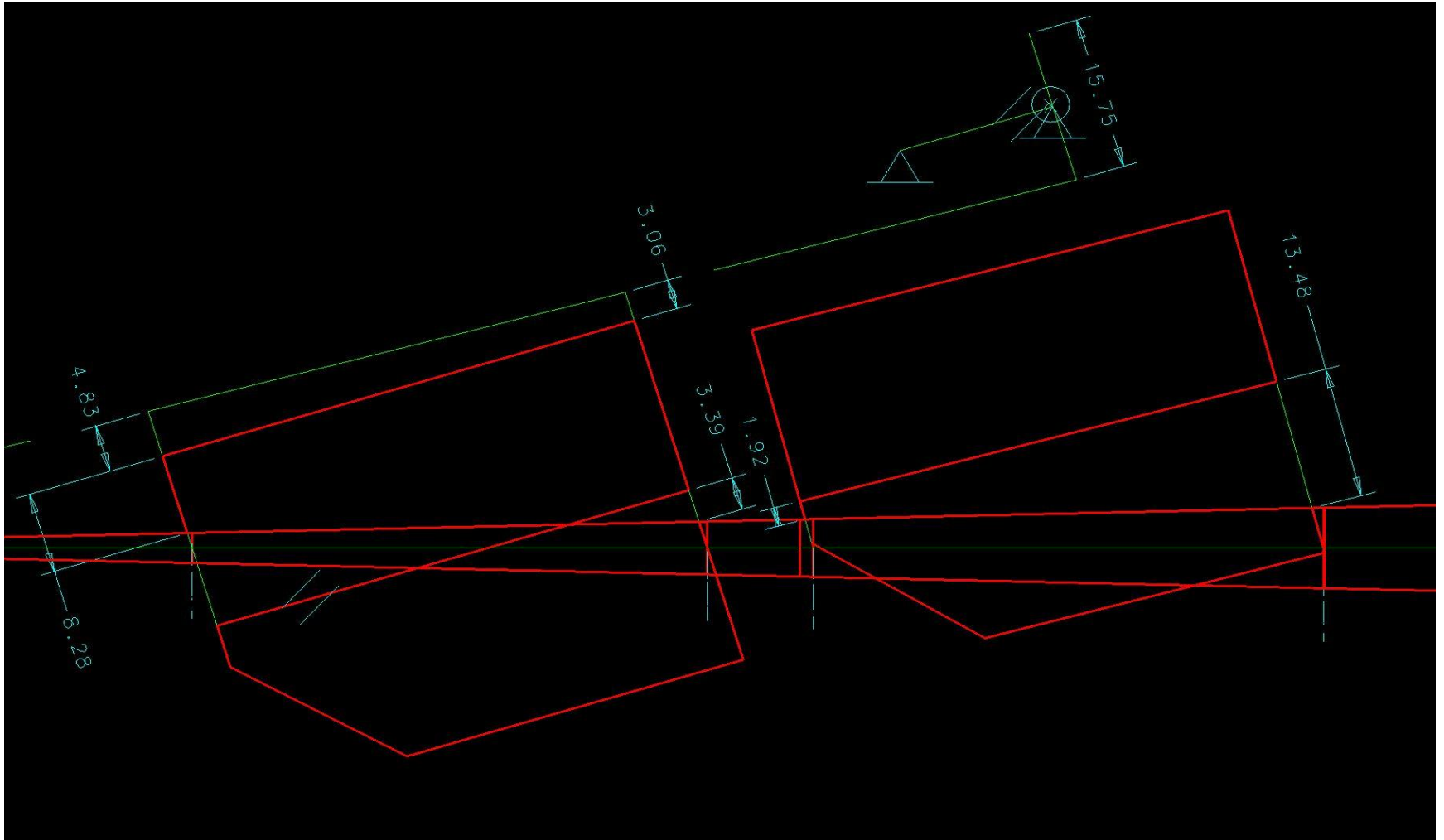
R. Wines

- Tosca magnet analysis with Bogdan
- Beampipe aperture determined
- Magnet iron cutouts for beamline clearance determined
- Starting drawings for new coil design
- Magnet iron cutouts modeled, after confirmed by Tosca analysis, drawings will be started.
- Continuing details of magnet support structure as counterweight.

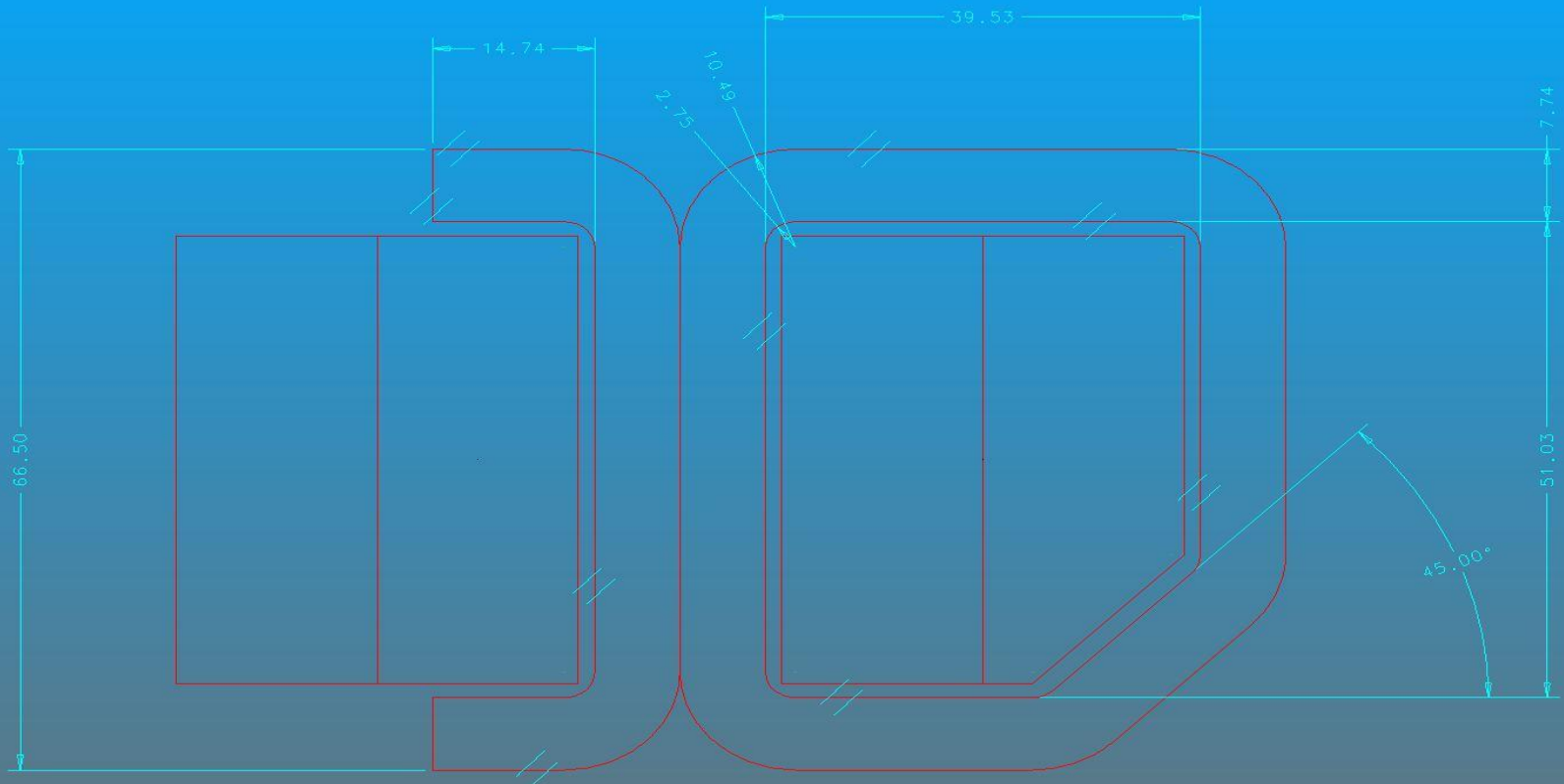
Beamline Diameter



Beamline cutout



New Coils



120 turns, 1.8 cm square conductor with 1.1 cm dia. Hole
1 saddle coil, 2 racetrack coils
0.127 cm turn-to-turn and ground insulation, 8.7 A/mm²