



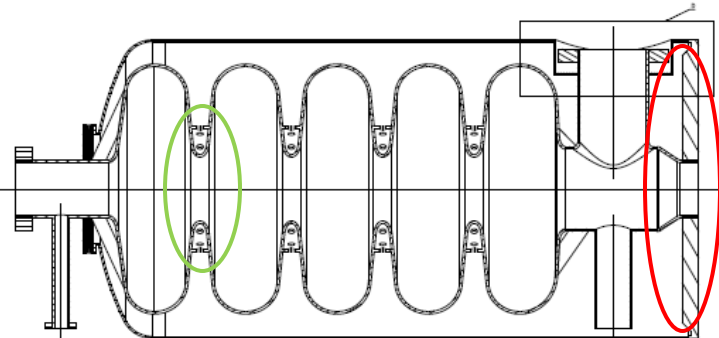
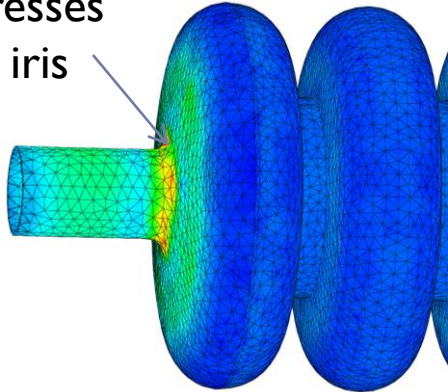
Cavity & helium vessel preliminary technical drawings

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Version 1

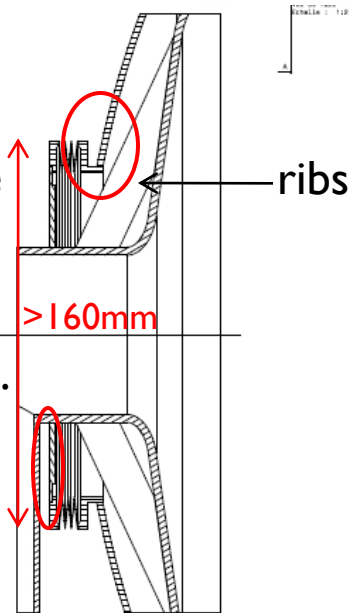
- Stiffening rings → OK
- Ribs on end cells → NO
- RF coupler integrated inside He vessel → NO

Stresses
on iris

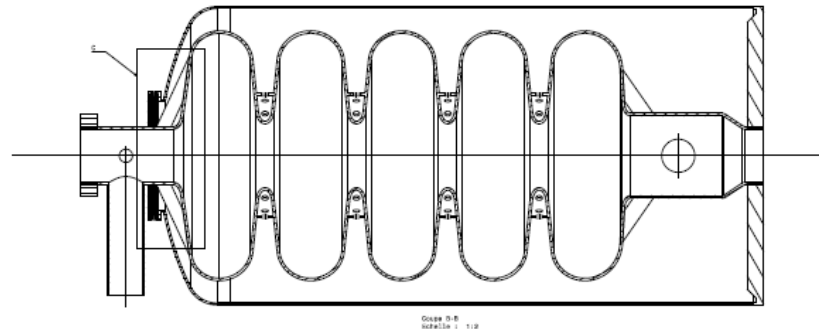
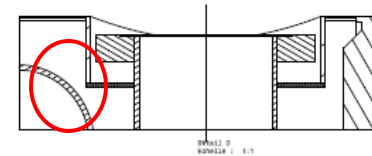


“Ultra”
thick flange

Not enough
space for the
bellows!

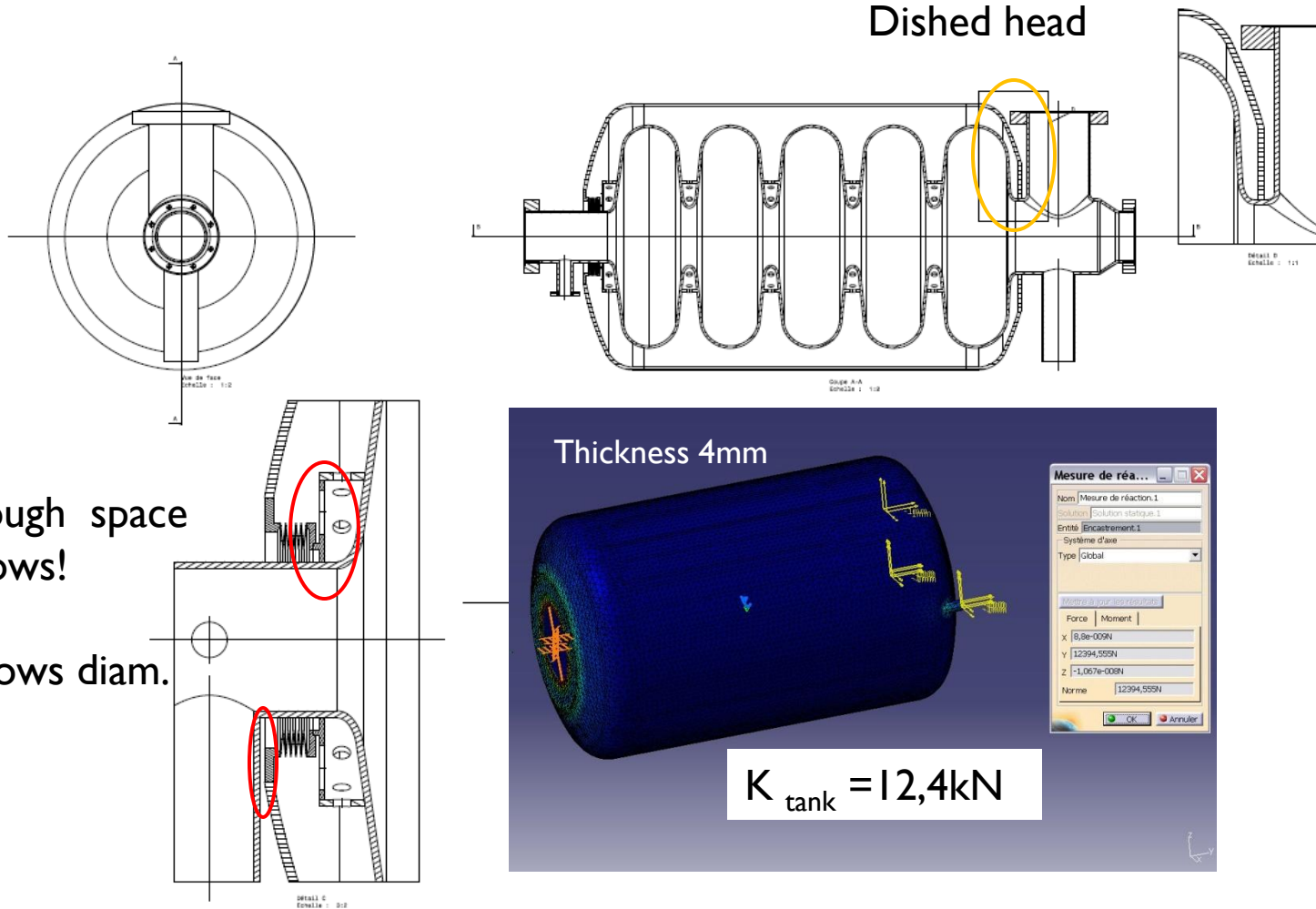


Bellows diam.
Too big!



Version 2

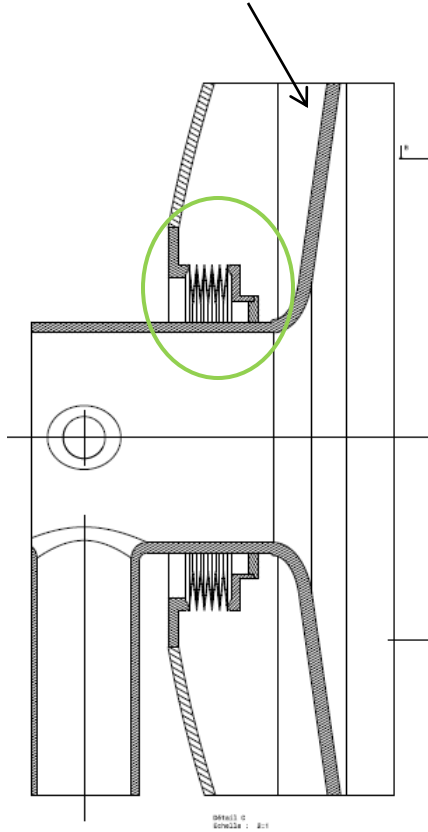
- New rib on end cell → NO
- RF coupler not integrated inside He vessel → OK but...not stiff enough



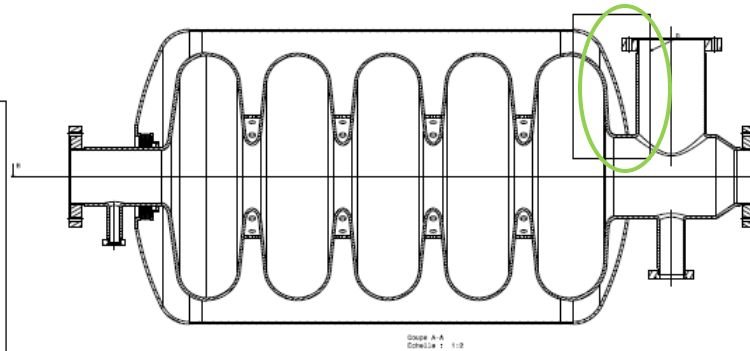
Version 3

- No rib on end cell but thickness 4mm to 5mm → OK
- RF coupler port shifted away 15 mm → OK
- HOM & pick-up ports + Tuning system fixing points → OK

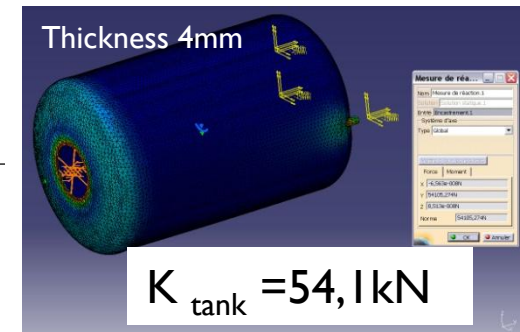
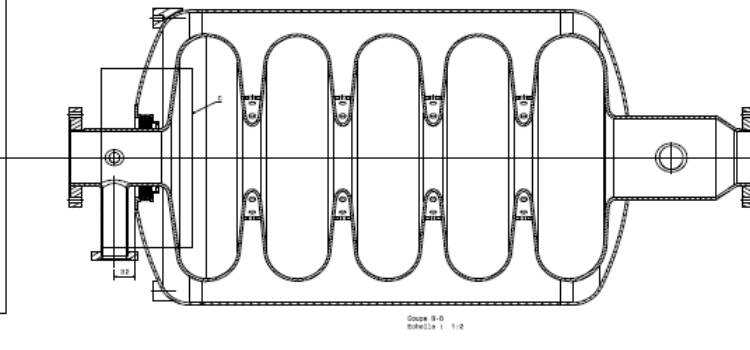
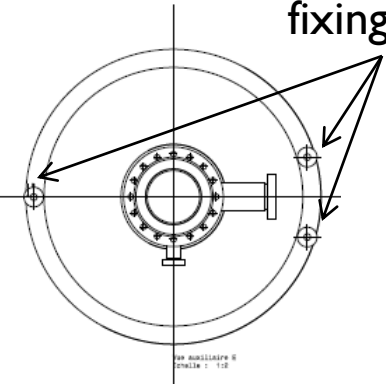
Nb thickness 4mm → 5mm



Lcavity + 15mm



Tuning system fixing points



échelle : 2:1

Qext

