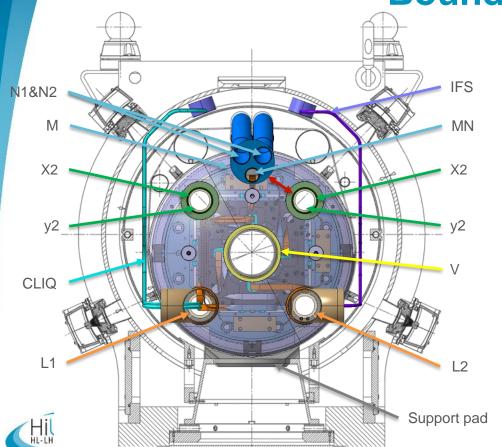


Cold mass interface specification proposal



LMQFXB Cold Mass Layout Boundary



N1 & N2 Auxiliary lines for Trim and Correctors Busbars
 M Aperture for the cold mass busbars
 MN Busbars Interconnection line

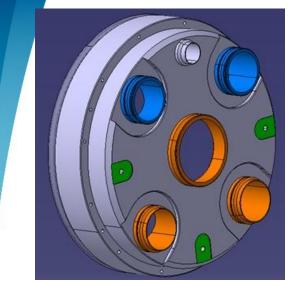
X1 & X2 Heat exchanger tubes v1 & v2 Helium inlets

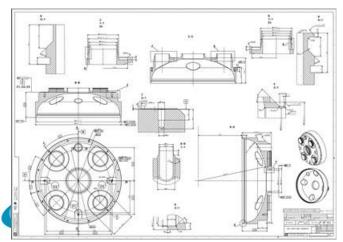
V Beam pipe

L1 & L2 Conduction path for HeII (2x75cm²)

IFS Instrumentation feethroughs capillary

CLIQ CLIQ feedthroughs current leads

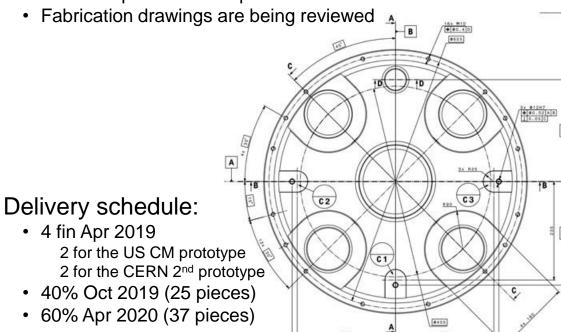




End covers

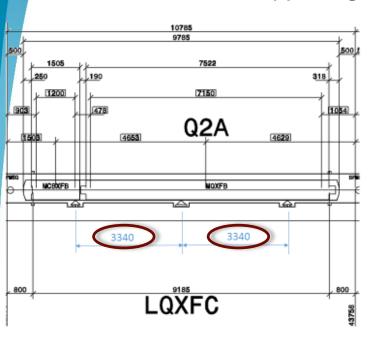
Divisional Request under preparation

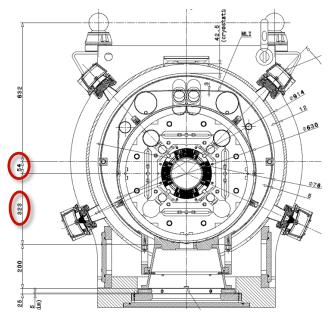
- On going studies to machine the end covers from a forged blank
- Material specification in process

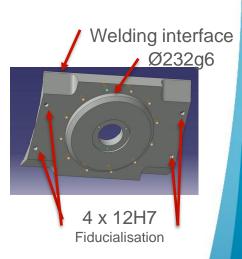


LMQFXB Cold Mass Layout Supporting System

Identical supporting configuration used for Q1/Q3 and Q2A/B



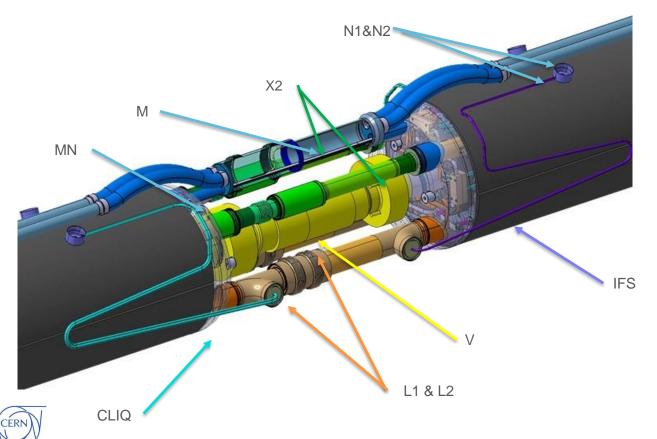








Cold masses interconnections





Cold masses extremities Interface proposal for the delivery at CERN

