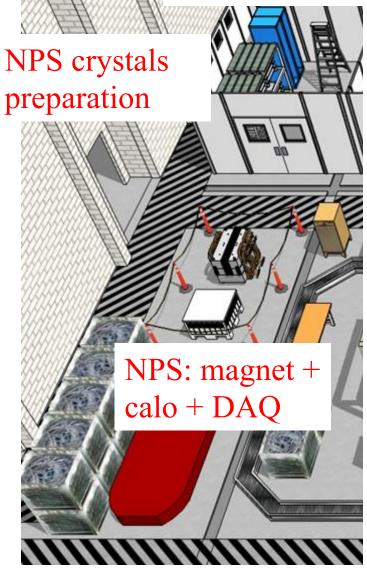
Space and other items needed for commissioning/testing Small Angle Magnet

Test Lab area configuration



Stage #1, October-December 2017

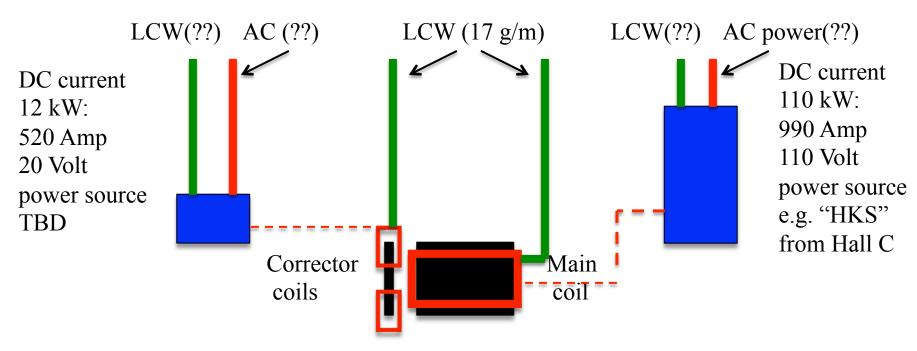
- Assemble magnet with cooling connection
- Power sources installation/connection
- Magnet-to-DC connection
- Magnet + corrector field test

Test Lab area configuration

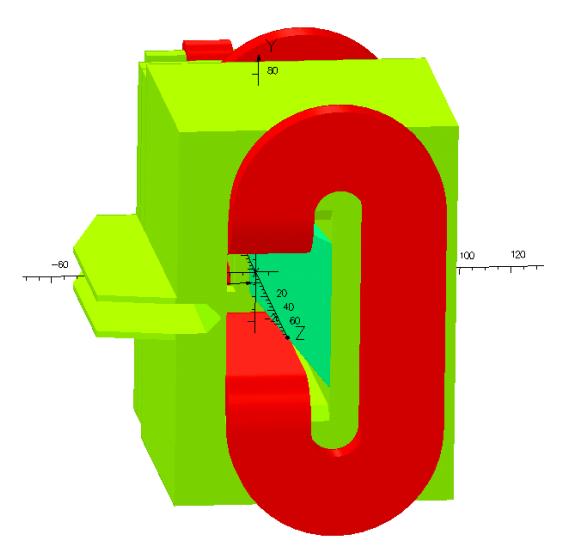


Stage #1, October-December 2017

- Assemble magnet with cooling connection
- Power sources installation/connection
- Magnet-to-DC connection
- Magnet + corrector field test

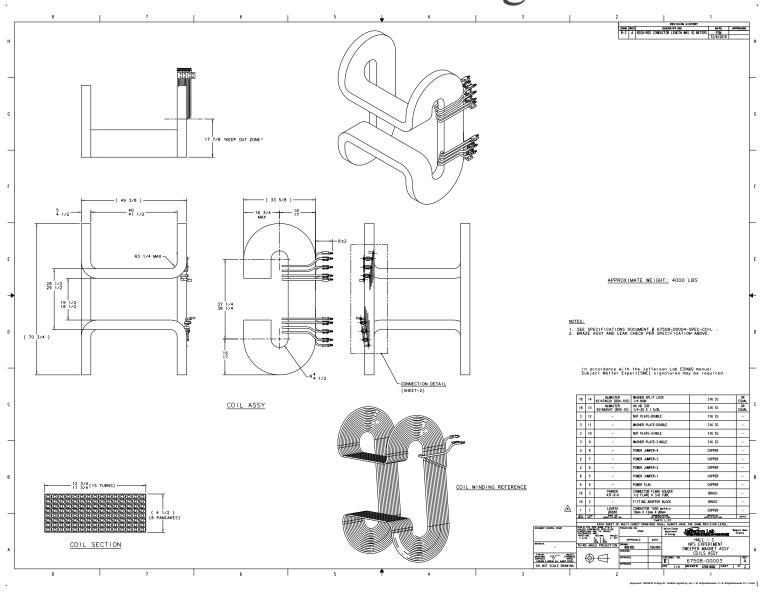


Revised magnetic design

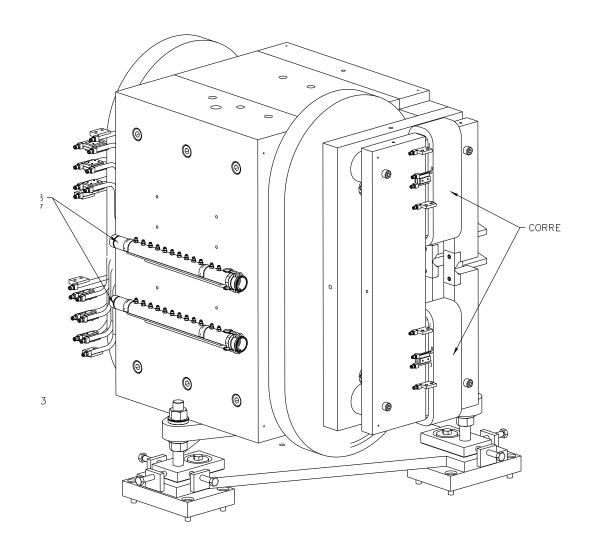


Non-uniform field but only
1-2% uniform integral Bdl
The same power and coil,
larger radius for the coil.

Main coil design



Magnet design





Hall C NPS Sweeper Magnet Yoke TECHNICAL SPECIFICATION # 67508-00004-SPEC

November 5, 2016

Written By Mike Fowler - Hall C Enginee	Date_//-/5-/6
Approved Paul Brindza -Hall C SPEngi	Date_1/15/18
Approved Bogdan Wojtsekhowski- NPS	Date 11/17/16

Weight	19 tons	need 20 t crane
Vertical size	80 inches	
Horizontal size	62" × 60"	
Mail coil power	990 Amp x 110 Volt	
Corrector power	520 Amp x 20 Volt	
Cooling water	Flow 17 gallons/min	Pressure 130 psi
Access space	3-4 feet around	
Total space	12 feet x 12 feet	