

DSG-SoLID R&D Meeting Minutes

Date: January 21, 2022

Time: 11:00 – 12:00

Attendees: Mary Ann Antoniol, Peter Bonneau, Aaron Brown, Pablo Campero, Brian Eng, George Jacobs, Mindy Leffel, Tyler Lemon, and Marc McMullen

1. Rack wiring and cable fabrication

Pablo Campero and Mindy Leffel

1. Fabricated a total of 153 of 215 cables
 - Completed termination of one end of ten 100' cables that will connect temperature sensors in the magnet
 - Completed termination of one end of two 100' cables that will connect temperature sensors in the Cryo Control Reservoir (CCR)
2. Wiring of rack A front 96% completed
 - Need to label electric valve panel, install signal conditioning modules, and complete wiring of key switch used for local and remote control of valves
3. Wiring of rack A rear 75% completed
 - Completed wiring of PLC hardware watchdog (timer and relay)
 - Installing jumper wires and jumper bars in PLC terminal block groups, as needed
 - Need to connect cables for instrumentation in magnet and CCR
4. Wiring of rack B front 97% completed
 - Completed wiring of the 24 and 5 VDC power supplies
 - Completed wiring of breakers
 - Need to install signal conditioning modules
5. Wiring of rack B rear 95% completed
 - Received communication module, adapter and power supply; preparing DIN rail to install

2. Received instrumentation

Pablo Campero and Mindy Leffel

1. Five 2 A breakers
2. Four power cords for 24 and 5 VDC power supplies
3. Dataforth signal conditioning modules
4. Two power strips
5. Power extension cord