

# DSG-SoLID Magnet Controls Meeting Minutes

**Date:** October 27, 2021

**Time:** 11:00 – 12:00

*Attendees: Aaron Brown, Peter Bonneau, Pablo Campero, Brian Eng, George Jacobs, Steven Lassiter, and Marc McMullen*

## **1. Completed modifications of drawings**

*Mary Ann Antonioli and Pablo Campero*

1. A00000-16-03-0050 SoLID Magnet Interconnect System Diagram
  - Numbers for cables between PSU and instrumentation racks will be labeled later, once magnet's power supply is defined
  - Added Ethernet connection for the PLC controller
2. A00000-16-03-306 *PLC IO Remote A, Slot 6 Wiring Diagram*
3. A00000-16-03-0281 *Power Supply M-panel Connections*
4. A00000-16-03-0291 *ASCII Communication System Diagram*

## **2. Drawings in progress**

*Mary Ann Antonioli and Pablo Campero*

1. A00000-16-03-0300 *Remote A - PLC Chassis Layout*
2. A00000-16-03-0310 *Remote B - PLC Chassis Layout*
3. Drawing A00000-16-03-0200 *Energy Dump System Wire Diagram* will be put on hold until magnet is moved to Hall A to run at full current
4. Drawing A00000-16-03-0251 *Potential Voltage Taps Non – Monitored* is not required
5. Reviewed *Drawing List* status
  - 80% of the drawings are completed (51/63)

## **3. Instrumentation cabling**

*Mary Ann Antonioli, Pablo Campero, Brian Eng, Mindy Leffel, and Marc McMullen*

1. Completed 53 cables
2. Re-organized and installed 3-level and 1-level terminal blocks as shown in rack layout drawings
3. End barriers for 1-level terminal blocks were left next to the racks
4. One Dataforth breakout board in rack #2 was missing; located in room 1544
5. Breakers and power supplies (5 and 24 VDC) are in hand
6. DIN rails to install breakers and power supplies are cut and located in room 1544
7. Fifty 2-level terminal blocks will be ordered

## **4. Cable and connector procurement**

*Marc McMullen*

1. Cable needed to connect magnet power supply from terminal strip to PLC I/O terminal strips and quench detector are available and can be used from the already ordered cables