

## DSG-SoLID Magnet Controls Meeting Minutes

**Date:** February 16, 2022

**Time:** 11:00 – 12:00

*Attendees: Peter Bonneau, Pablo Campero, George Jacobs, Tyler Lemon, and Marc McMullen*

### **1. Cable fabrication**

*Pablo Campero and Mindy Leffel*

1. Cut and crimped ferrules on one end of 64, 100' cables; completed other end on nine

### **2. Instrumentation rack debugging**

*Pablo Campero, Mindy Leffel, and Marc McMullen*

1. For connections on MCR boards with two wires, removed single ferrules and combined wires into one ferrule.
2. Configured PLC hardware timer and relay
  - Set operation mode and time of the hardware timer
  - Tested relay opening and closing operations
  - Re-assigned PLC channels to match electrical wiring diagram
3. Replaced six signal conditioning modules scm5b30-01D used for diode sensor readout with scm5b43-05D
4. Connected PLC channel to key switch to allow monitoring of valve operation modes
5. Debugged issues with constant current source boards #3 and #6
  - Replaced #3 with a spare
  - Replaced resistors on #6; testing in progress

### **3. Calibration of signal conditioning modules to be done in PLC code**

*Pablo Campero*

1. Calibration sheets for signal conditioning modules were not in the package provided to DSG; received only modules

### **4. PLC tag list of cryogenic variables requested; need to determine what variable types to provide**

*Pablo Campero and Steven Lassiter*

1. Reviewed current list available