

# SoLID Magnet Controls System Meeting Minutes

**Date:** May 12, 2021

**Time:** 11:00 – 12:00

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

## **1. Reviewed markups for drawings**

*Pablo Campero*

1. A000000-16-03-0250 *Voltage Taps Wiring Diagram*
  - Modified internal connector labels and wire colors for FL-2 voltage tap
  - Will change label for terminal strip group from MAG-TS-03 to MAG-TS-09
2. A000000-16-03-0309 *Analog Input PLC I/O Module Wiring Diagram*
  - Numbers used in the PLC I/O terminal strips need to be updated on *Controls-CLEO* spreadsheet to match drawing
3. A000000-16-03-0252 *Quench Detector Wiring Diagram*
  - Combined three cables into one cable to wire quench detector to PLC input module
  - Will remove transformer shown in drawing
  - Will add note to clarify that quench detector does not need an external transformer to be powered if the MPS is connected

## **2. Electrical drawings completed**

*Mary Ann Antonioli and Pablo Campero*

1. A000000-16-03-0212 *PT-102 Temperature Sensors Wiring Diagram*
2. A000000-16-03-0213 *Diode Temperature Sensors Wiring Diagram*
3. A000000-16-03-0214 *CCS Board Wiring Diagram*
4. A000000-16-03-0311 *PLC I/O Remote B, Slot 1 Wiring Diagram*

## **3. Electrical drawings in progress**

*Mary Ann Antonioli and Pablo Campero*

1. A000000-16-03-0210 *Magnet Temperature Sensors Wiring Diagram*
  - Combining multiple cables into single cable to connect terminal strip to CCS boards and to connect terminal strip to signal conditioning modules
  - Adding notes on cables that appear on multiple sheets
  - Changing labels for vacuum feedthroughs
  - Adding terminal strips to wire two- and three-wire sensors
2. A000000-16-03-0401 *Voltage Tap Cable Diagram*
  - Will add description of selected cable
  - Will check that actual cable colors match cable colors shown in drawing
  - Will add specifications of selected connector (to be used at resistor box end) in the drawing
3. A000000-16-03-0406 *Diode & PT-102 Sensors Cable Diagram*
  - Will add description of selected cable
  - Will check that actual cable colors match cable colors shown in drawing

#### **4. Cables and connector research**

*Pablo Campero, Brian Eng, and Marc McMullen*

1. Ordered voltage tap cable
2. Ordered CPC connectors for the voltage tap resistor box end
3. Discussed options for multi-conductor cables required for temperature sensors located in the CCR

#### **5. Motor Controlled Board**

*Pablo Campero, Mindy Leffel, and Marc McMullen*

1. Assembled one of two boards; being tested
2. Second board will be assembled after completion of testing of first board