

DSG-SoLID R&D Meeting Minutes

Date: July 8, 2021

Time: 11:00 – 12:00

Attendees: Mary Ann Antonioli, Peter Bonneau, Pablo Campero, Brian Eng, Tyler Lemon, Marc McMullen, and Amrit Yegneswaran

1. Reviewed DSG-SoLID Magnet Control System meeting minutes from July 7, 2021

DSG

1. Link for details: [2021-07-07 DSG-SoLID Magnet System Meeting Minutes](#)
2. Modifying five drawings
3. Delivered cable for LVDTs, valve motor drives, and temperature sensors and tools to the physics storage area
4. Discussed procurement and specifications of cables required for voltage taps, macro sensors, and signal conditioning modules

2. Drawing Status

Mary Ann Antonioli and Pablo Campero

1. Completed modifications for drawings A00000-16-03-0402 *JT and EB Valve Cable Diagram* and A00000-16-03-0406 *PT-102 and Diode Temperature Sensors Cable Diagram*

3. Updated Cable List spreadsheet

Pablo Campero

- 3.1. Added specifications for cables that connect temperature sensors to signal conditioning modules, CCS boards, and PLC terminals

4. PLC Programming and documentation

Mary Ann Antonioli and Pablo Campero

1. Verified configurations, conditions and parameters used in the Proportional Integral Derivative Enhanced (PIDE) PLC instruction for the JT valves
2. Generated flow chart to show PID controls over JTV4 LHe Top Fill valve

