DSG-SoLID R&D Meeting Minutes

Date: September 30, 2022
Time: 11:00 – 12:00

Attendees: Mary Ann Antonioli, Peter Bonneau, Aaron Brown, Pablo Campero, and Mindy Leffel

1. ## HMI screens development
    Pablo Campero
    1. Will modify text on *Solenoid Valve Setup* screen to describe valve settings more clearly
    2. Numeric input for heat exchanger liquid nitrogen valve set point will be added to *Solenoid Cooldown* screen
    3. Need to develop screen to control and monitor mass flow controllers

2. ## PLC programming
    Pablo Campero and Steven Lassiter
    1. Reviewed modifications to PLC code that controls the aperture of the heat exchanger valves in PLC automatic control mode
    2. Reviewed code that determines if heat exchanger is enabled
    3. Reviewed PLC code that compares the strain gauges and load cell readout against the set limits
       - Maximum and minimum thresholds will be added

3. ## Electrical Drawings
    Mary Ann Antonioli and Pablo Campero
    1. Completed modifications to drawings
       - A00000-16-03-0212 – PT-102 Temperature Sensor Wiring Diagram
       - A00000-16-03-0213 – Diode Temperature Sensor Wiring Diagram
       - A00000-16-03-0406 – CCR Temperature Sensor Cable Diagram
       - A00000-16-03-0241 – Load Cells Measurement Wiring Diagram
    2. Reviewing modified drawings