

DSG-SoLID R&D Meeting Minutes

Date: December 10, 2021

Time: 11:00 – 12:00

Attendees: Mary Ann Antonioli, Peter Bonneau, Aaron Brown, Pablo Campero, George Jacobs, Tyler Lemon, and Marc McMullen

1. Drawings status

Mary Ann Antonioli and Pablo Campero

1. Checking drawings before posting
2. Creating pdfs of reviewed drawings, combining pages, rotating views, and posting to the DSG website
3. Eighteen drawings posted

2. Racks wiring and cable fabrication

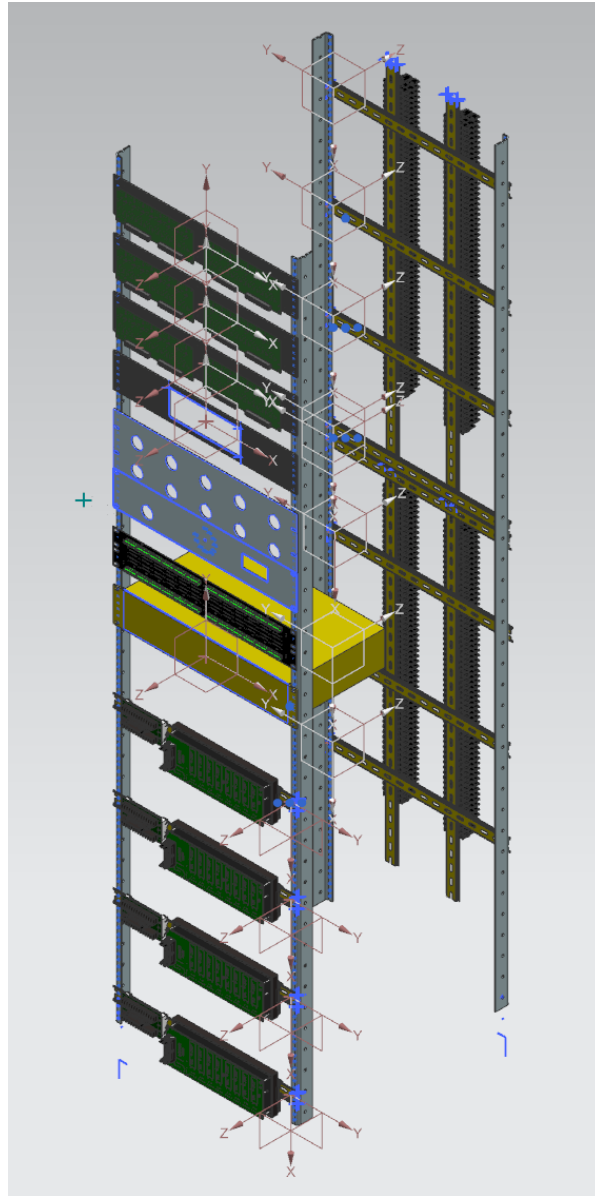
Pablo Campero, Brian Eng, Mindy Leffel, and Marc McMullen

1. Updated *SoLID Cable Information* spreadsheet with information needed for cable fabrication
2. Fabricated 127 of 210 cables for instrumentation connections
3. Wiring of rack A front
 - Four of four signal conditioners
 - Six CCS boards
 - Partial of MCR board
 - Partial of valve control panels
 - Partial of quench detector
 - Rack A front status: 80% completed
4. Wiring of rack A rear
 - Ten of 13 PLC terminal strip groups
 - Partially wired ten of 14 instrumentation terminal strip groups
 - Rack A rear status: 47% completed
5. Wiring of rack B front
 - Nine of nine LVC macro sensors for valve position readouts
 - Six of seven signal conditioners (breakout boards and backplanes)
 - Partial of terminal strips used for 24 and 5 VDC power connections
 - Partial of breakers and power supply connections
 - Rack B front status: 90% completed
6. Wiring of rack C (PLC rack)
 - Thirteen of thirteen PLC modules' terminal blocks wired
 - PLC chassis were moved to rack B rear panel
 - Installing PLC terminal blocks to PLC chassis

3. 3D Model development of the SoLID Instrumentation Racks in progress

Marc McMullen

1. Placing control devices and valve control panels in the front side of Rack A
2. Generating 3D models for one, two and three-level terminal blocks since these parts are not available from the manufacturer
 - Dimensions used will be from specification sheet provided by manufacturer



Instrumentation Rack A under development