

DSG Engineering Meeting Minutes

Date: February 27, 2024

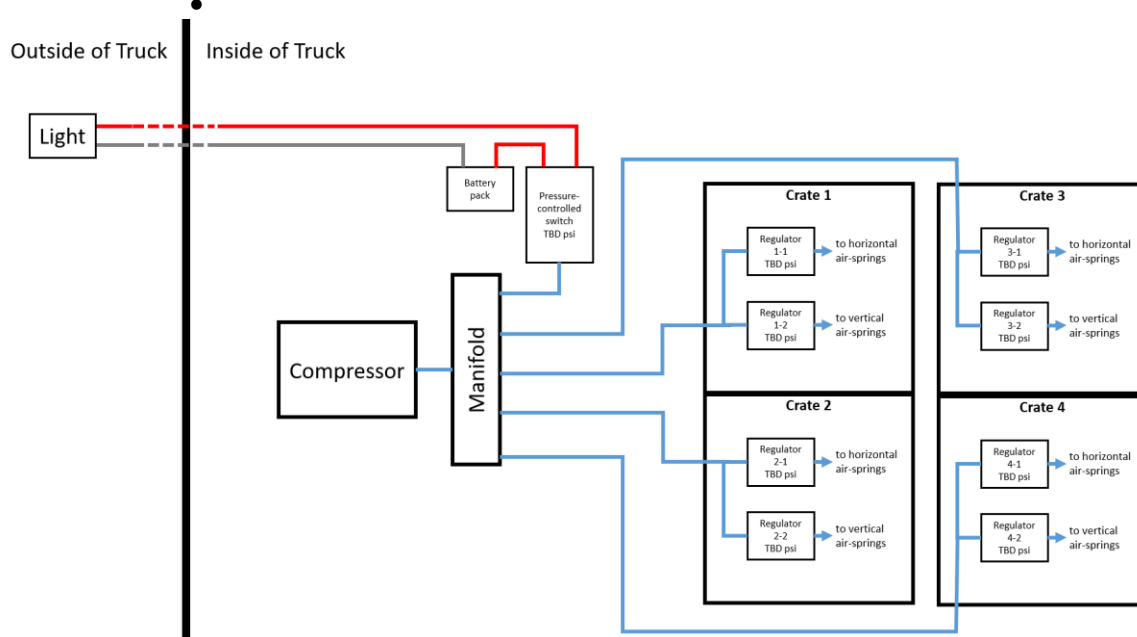
Time: 02:00PM – 03:30PM

Attendees: Mary Ann Antonioli, Aaron Brown, Pablo Campero, Brian Eng, George Jacobs, Tyler Lemon, Marc McMullen, and Amrit Yegneswaran

1. EIC – DIRC

Tyler Lemon

1. Discussed shipping crate pressure monitoring system
 - The pressure at the manifold that disperses the air for the suspension system from the compressor to the crates will be monitored by a pressure switch that will toggle at a setpoint of 14–24 psi
 - When the pressure in the manifold drops below the pressure switch's setpoint, it closes the contacts and completes the circuit to power a light that can be seen from outside of the truck
 - Each crate will have two pressure regulators—one for the horizontal springs and one for the vertical springs



Schematic of shipping crate pressure monitoring system

2. Hall A – ECAL

Marc McMullen

1. Completed software migration to the new cRIO and expansion chassis
2. Reviewed updated control and monitoring GUI installed on dedicated Hall A laptop

3. Hall A – LAPPD

Pablo Campero

1. Reviewed travel distance of gantry over dark box
2. Discussed signal generator used to control LED brightness; current signal generator is obsolete and will be replaced by new signal generator recommended by the manufacturer Keysight