

MSD Team P17453

Meeting Notes

2/23/17

Meeting Accomplishments:

- Carvey continued work on L-brackets to hold the solenoid valves
- A few problems with our drawings were discovered
 - The pin holes were not called out deep enough on the valve seat block
 - The solution is to drill the holes in the valve housing deeper
 - Alex drilled and pressed in one pin so far
 - The NPT thread callout was on the wrong side of the pressure collector
 - The solution is to redrill the hole bigger and use a $\frac{1}{2}$ " - $\frac{3}{8}$ " barb adapter
- Successful demonstration to our customer and guide using Signal Express to actuate the solenoid valves
- Talked with Dr. Kolodziej about grounding issues with the pressure transducer
 - Discovered that both the power and signal negative terminals need to be grounded
- Tested activating a solenoid valve while connected to the shop air
- Talked with Dr. Kolodziej about the pressure relief valve not hold air at 40 psi without flow and he said it should be ok, that's similar to how the actual compressor works