



(P-SE-2618)

Step 1: Close valves that feed reclaim pillar.

Step 2: Drain water in pillar. This can be done by removing the plug at the bottom of the pillar.

Step 3: Remove ASCO valve stacks highlighted below in Figure 1.

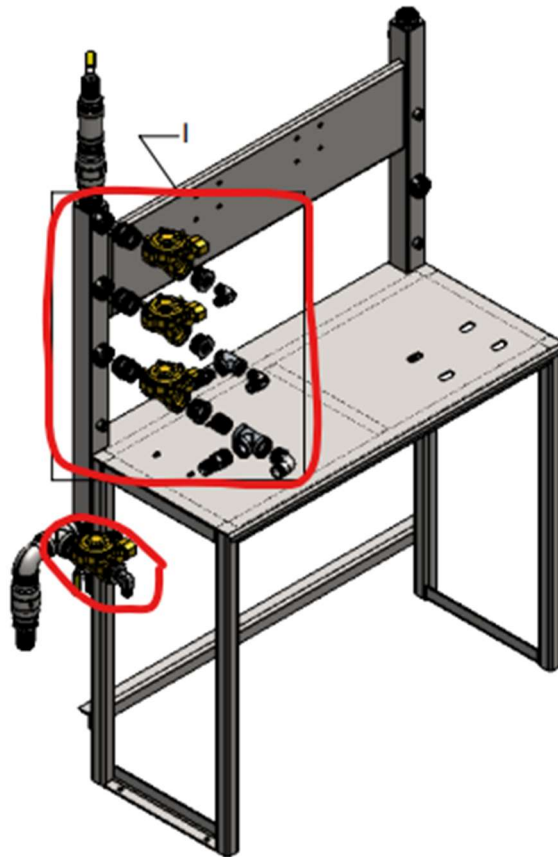


Figure 1. ASCO Valve Stacks to Remove

Step 4: Install Pre-blast, Belt Flush, HPP, and Underbody valve stacks from top to bottom on the reclaim pillar, respectively. See Figures 2-6 for specific valve stack assembly. All threaded connections must have tape and thread sealant.

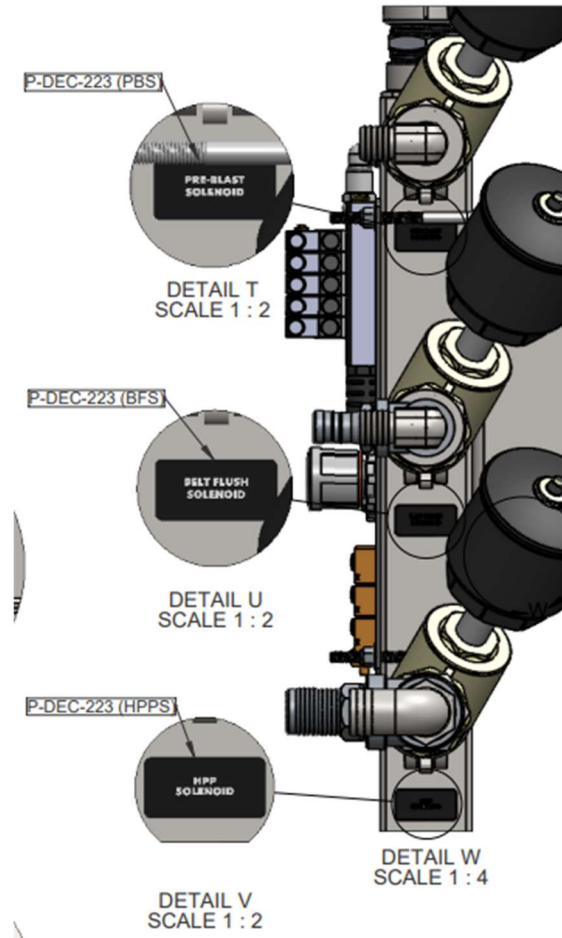


Figure 2. Angle Body Valve Stack Locations

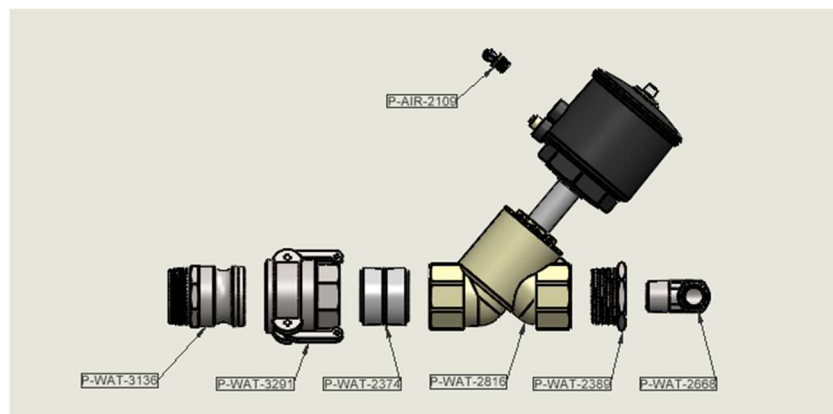


Figure 3. Pre-Blast Valve Stack

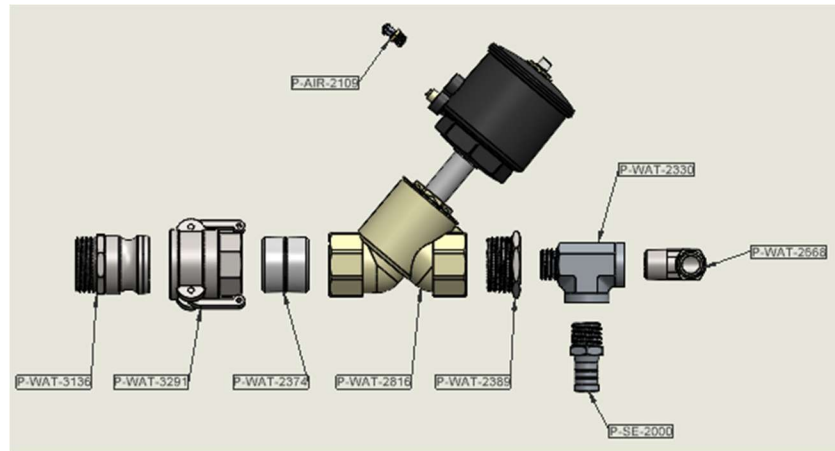


Figure 4. Belt Flush Valve Stack

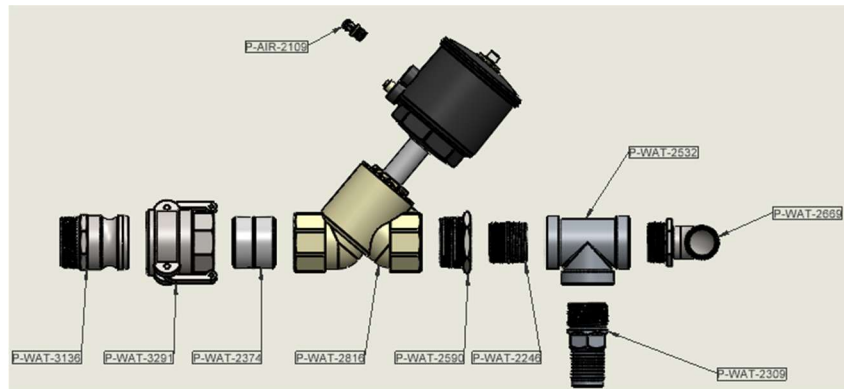


Figure 5. High Pressure Pump Valve Stack

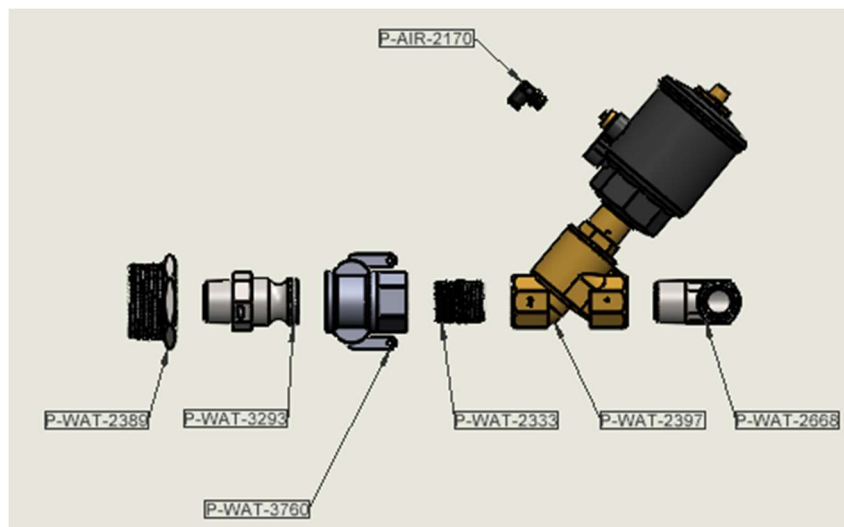


Figure 6. Underbody Valve Stack

Step 5: Install the control plate on the reclaim pillar as shown in Figure 7 below.

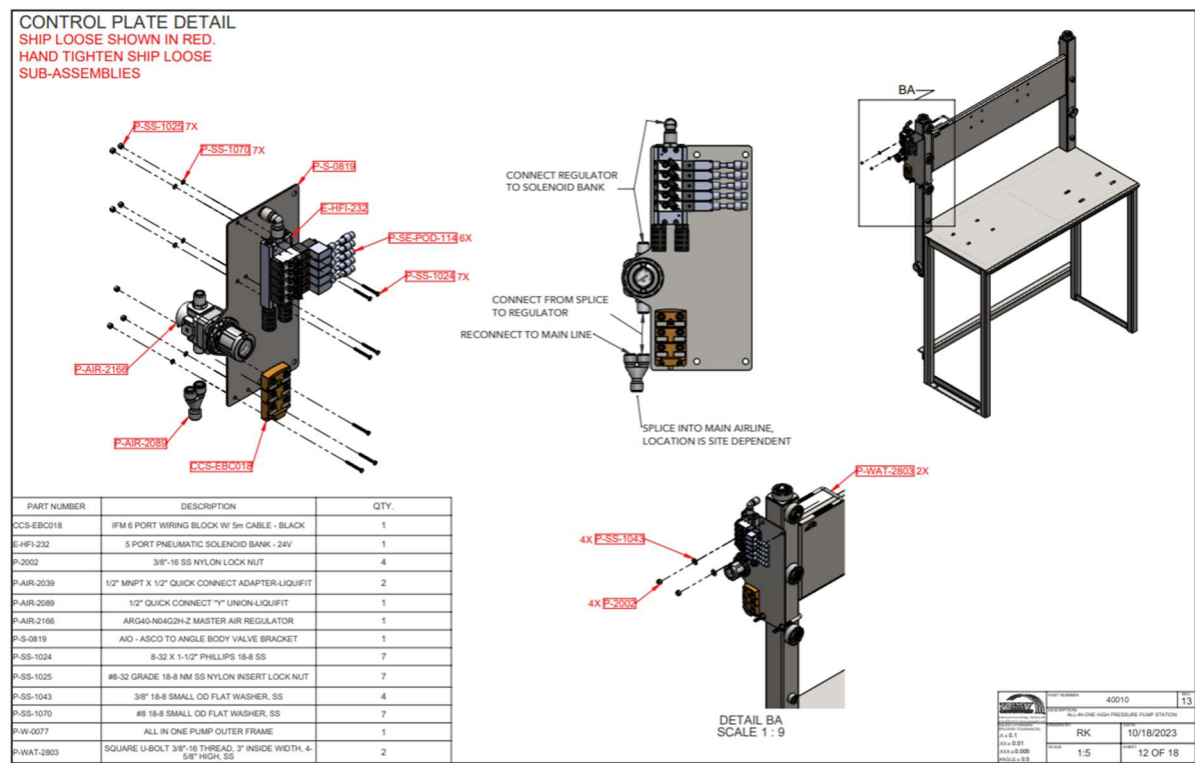


Figure 7. Control Plate Install Instructions, larger image in appendix

Step 6: Wire the provided IFM block to Solenoid as described below and as shown in Figure 8 below.

IFM block cable is to be routed back to panel and connected to desired output blocks. Ensure that you are using signal B conductors as shown in the pin list for the desired outputs. Check function number before disconnecting existing output wiring from the MCP and replace the signal wires from the new IFM block. Connect IFM block blue conductor to (-)24vdc, green/yellow conductor to ground, and "SIG xB" conductors (color coding in Figure 8 Below) to desired outputs. Coil and tape unused conductors from IFM Block.

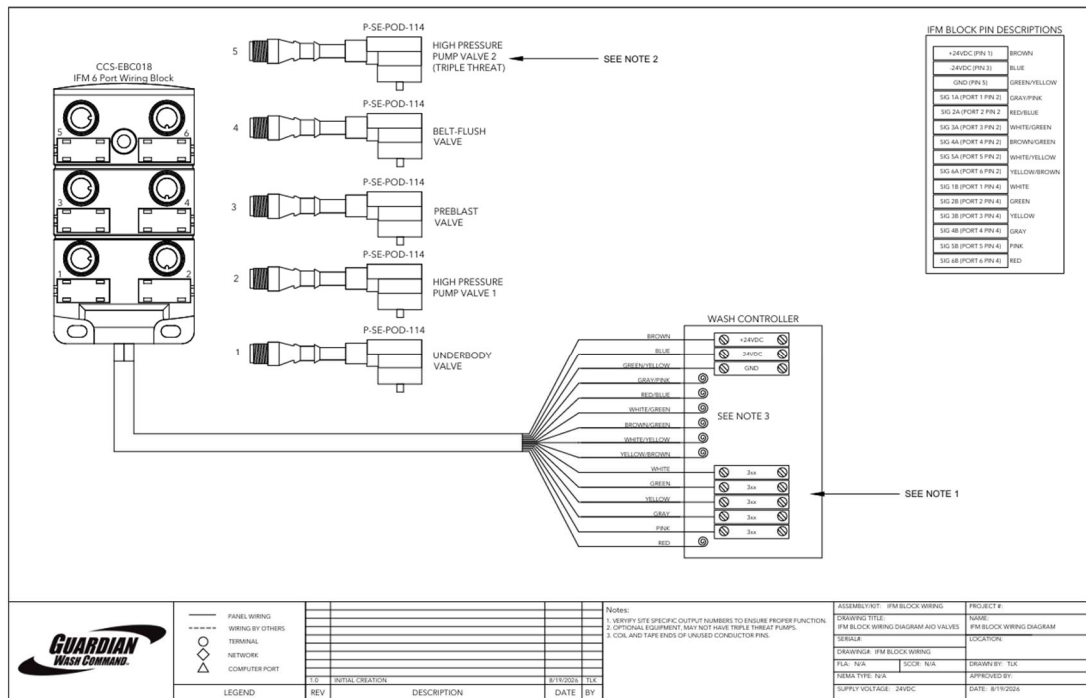


Figure 8. IFM block Pinout, larger image in appendix

Step 7: Attach 1" hose provided to underbody valve stack hose barb as seen in Figure 9 below. If site has reclaim underbody already, attach the previously used 1" hose to the new hose barb. If reclaim underbody valve stack is not installed, proceed to step 11.

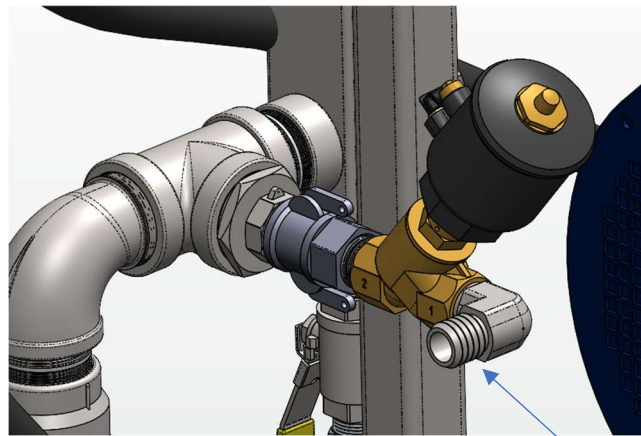


Figure 9. Reclaim Underbody

Step 8: Run the provided 1" hose from the hose barb on the valve through the trench drain and into the conveyor pit from the entrance side. Route the hose down the length of the conveyor pit towards the entrance, using the routing clamps to hold the hose off from the pit floor using the Unistrut already in place on the conveyor frame legs.

Step 9: The underbody manifold will need to be repositioned in front of Combo 1 and under the Rainbow Coat Arch to prevent reclaim water from spraying into the mitter cloths. Pit grating will need to be shifted to accommodate this. Do not cut pit grating, but get the manifold as close to Rainbow Coat Arch as possible. See Figure 10 below.

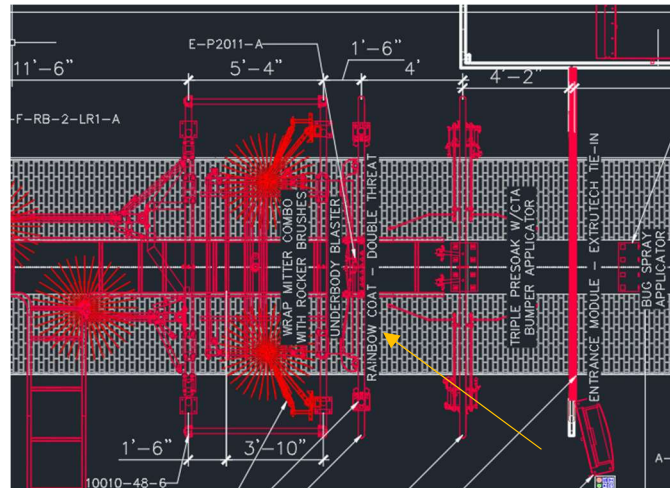


Figure 10. Underbody Manifold Location.

Step 10: Assemble the hose splitter as shown and connect ½" poly lines to manifold. Use thread tape on all threaded connections. See Figure 11 below.

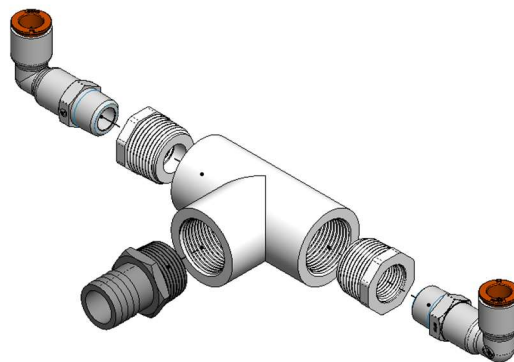


Figure 11. Reclaim Underbody Hose Splitter

Step 11: For initial reclaim underbody programming, set 'Start' pulse 36. Set 'Stop' pulse at 37. Set 'LB Pulse' to 0. Timing may need to be adjusted depending on where exactly underbody manifold is relocated. Timing for the other valve stacks should remain the same.

Step 12: Open valve on the reject tank to fill the reclaim pillar.

Step 13: Turn off the Preblast pump and HPP 1 and 2 using the I-Pad

Step 14: Use I-Pad to open valve functions in the tunnel that use Preblast, belt flush, and HPPs

Step 15: Let the water run for 20-30 seconds. The nozzles may “spit” a bit from air escaping the lines

Step 16: Leaving the valves open, restart the reclaim system to pressurize the lines

Step 17: Watch the new valve assemblies for leaks. If something does start to leak, close down all of the valves and try tightening the fittings further

Step 18: If there are no leaks after a min, turn the Preblast, belt flush, and HPPs back on to ensure they are running correctly.

Step 19: Run test car through the tunnel to ensure all functions are operating as expected

If you have any questions, please reach out to either Client Services or Equipment Support

Client Services – 616-795-4893

clientservices@tommycarwash.com

Equipment Support – 616-795-4893

support@tommycarwash.com

Appendix

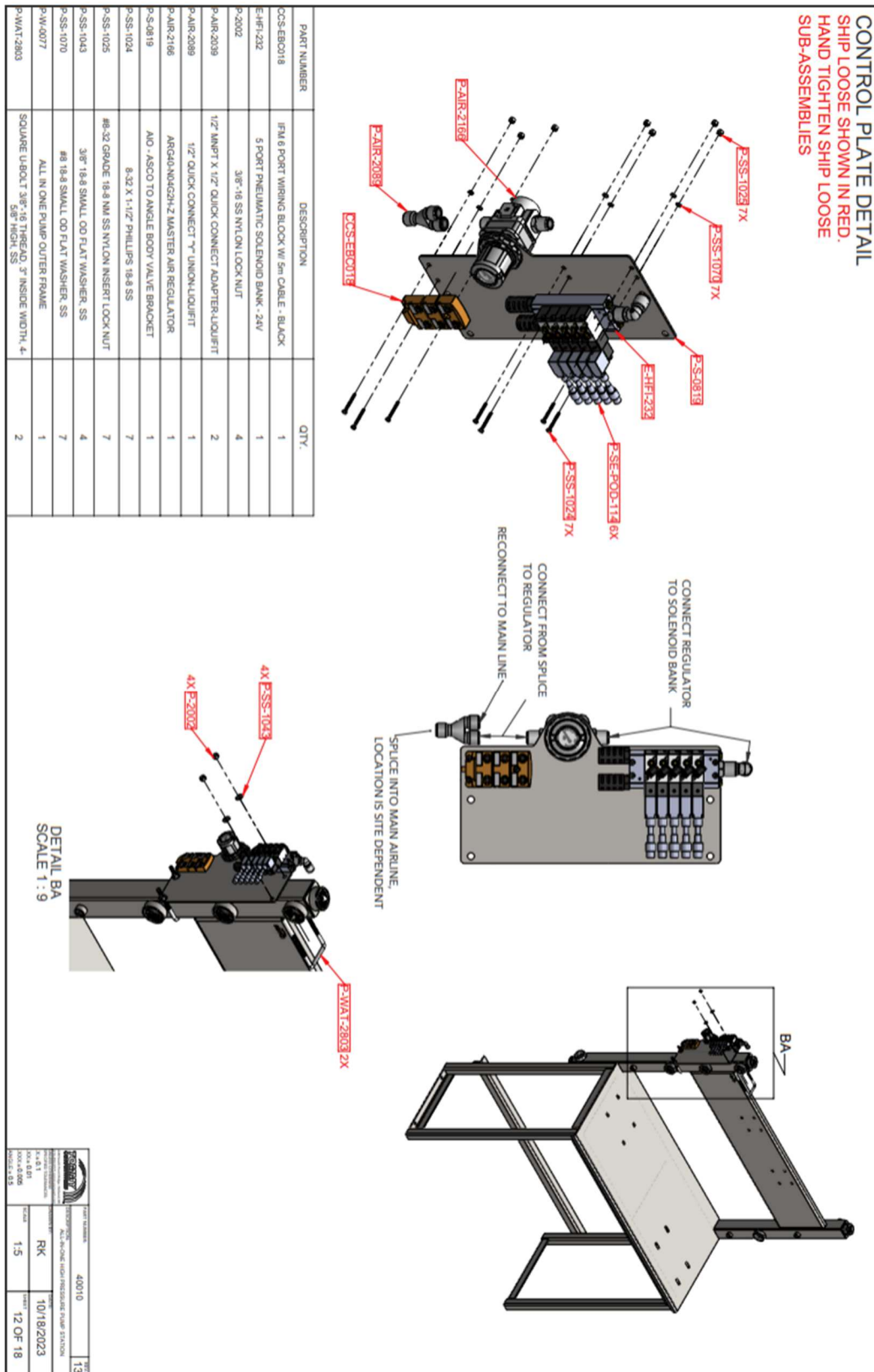


Figure A.1 Control Plate Detail

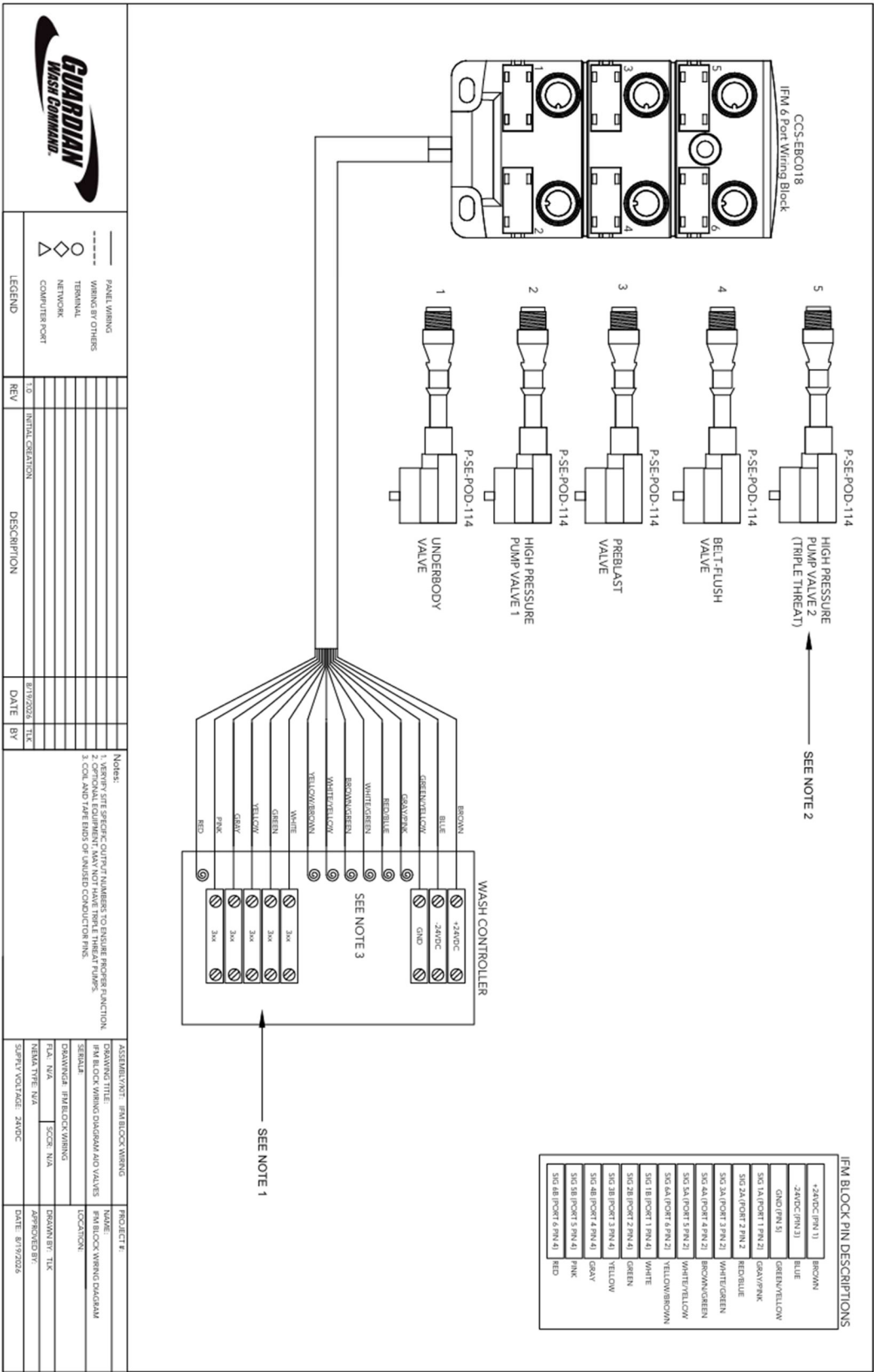


Figure A.2 IFM Block Pinout