

### **NJ DOT, EWING MPR RTU Revisit Summary**

Below is a summary of the changes made to the RTU serving the Multipurpose room during the TAB/Trane Revisit.

First completed was verification of the Maximum 100% fan speed setpoint. TRANE forced the unit to 100% fan, it was found that the max fan speed setpoint was too low and the Maximum fan rpm was increased to 1202RPM for 6,051CFM at this new speed.

Once the Maximum fan RPM was set The OA setpoints needed to be found at the various fan speeds. These fan Speeds are 50%/66%/100%. At 50% fan the OA setpoint was 30% for 734CFM. At 66% Fan speed the Damper setpoint was 14% for 741CFM, and at 100% the OA damper setpoint was 8% for 723CFM.

Due to concerns of room pressurization/Barometric relief functionality room pressure was also recorded at 100% fan and at damper setpoint. Room pressure was found to be +0.002" which is very normal. Room pressure concerns start to occur at 0.02" and greater.