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LAFAYETTE
REGIONAL SCHOOL

Outside Airflow Verification
Lafayette Regional School
Franconia, NH
2020

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Overview of Services Provided

In an effort to mitigate COVID-19 risks, we have taken the following steps to ensure proper airflow in buildings.

1. Increase outdoor airflow because it dilutes the concentration of virus particles by disabling any CO^2/demand control and confirming minimum ventilation airflow is similar to originally designed.
2. Change occupancy schedule to allow for a greater amount of air changes, which helps to dilute air in classrooms and offices. 24/7 occupancy would be ideal, but will increase energy costs.
3. Confirm operation of all outside air dampers by ensuring dampers mechanically open and close as intended and verifying that equipment controller setpoints correspond with original program sequence and design. Considerations for outside airflow are:
    a. ASHRAE 62 ventilation requirements.
    b. Building pressurization (normal building pressurization requires approximately 0.05-0.1cfm/ft^2).
    c. Mixed air temperatures on design days (to avoid coil freeze-ups).
    d. Reference to original balance reports if available.

We have provided copies of test sheets confirming proper operation of outside air dampers. Only one issue was discovered and it is highlighted on the Deficiency Summary page at the end of the report. It is recommended that a repair is scheduled as soon as possible to ensure proper outside airflow. Any questions can be answered by your Client Service Manager, Tyler Daigler.

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Job Name: Lafayette Elementary
Description: HV and UV Checks

Device Name	Field Panel	Application	Equipment Type	OA Damper	Date	Initials	Comments
HV1	7101BLRRM		Air Handling Unit	PASS	9/2/2020	SA/PV	
HV2	7101BLRRM		Air Handling Unit	PASS	9/2/2020	SA/PV	
RM44	7101BLRRM	2281	Unit Ventilator	PASS	9/2/2020	SA/PV	
RM47	7101BLRRM	2281	Unit Ventilator	PASS	9/2/2020	SA/PV	
RM72	7101BLRRM	2281	Unit Ventilator	PASS	9/2/2020	SA/PV	
RM05	7101BLRRM	2281	Unit Ventilator	PASS	9/2/2020	SA/PV	
RM08	7101BLRRM	2281	Unit Ventilator	PASS	9/2/2020	SA/PV	
RM14	7101BLRRM	2281	Unit Ventilator	PASS	9/2/2020	SA/PV	
RM15	7101BLRRM	2281	Unit Ventilator	PASS	9/2/2020	SA/PV	
RM16	7101BLRRM	2281	Unit Ventilator	PASS	9/2/2020	SA/PV	
RM18	7101BLRRM	2281	Unit Ventilator	PASS	9/2/2020	SA/PV	
RM19	7101BLRRM	2281	Unit Ventilator	PASS	9/2/2020	SA/PV	
RM20	7101BLRRM	2281	Unit Ventilator	FAIL	9/2/2020	SA/PV	Failed TEC was replaced. The OA damper needs to be replaced as it will not respond to the 0-10V signal and is locked in the 100% open position. Belimo PN:NM24-SR
RM21	7101BLRRM	2281	Unit Ventilator	PASS	9/2/2020	SA/PV	
RM22	7101BLRRM	2281	Unit Ventilator	PASS	9/2/2020	SA/PV	
RM25	7101BLRRM	2281	Unit Ventilator	PASS	9/2/2020	SA/PV	
RM27	7101BLRRM	2281	Unit Ventilator	PASS	9/2/2020	SA/PV	
RM28	7101BLRRM	2281	Unit Ventilator	PASS	9/2/2020	SA/PV	
RM29	7101BLRRM	2281	Unit Ventilator	PASS	9/2/2020	SA/PV	

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