



**ALLANA BUICK & BERS**  
Making Buildings Perform Better

## FREE WEBINAR

December 8th  
11am-12pm PST

Webinar For Facility Managers

# HVAC Modifications to Combat COVID-19 in Education Facilities

## Why Education Facilities are At Risk

As schools are reopening for in person classes, facility managers need to be aware of potential deficiencies in the HVAC and ventilation system that can spread COVID-19.

## Air Quality: The Most Common Risk Factor

HVAC systems are designed to maintain indoor air quality. **Not only does poor ventilation fail to prevent diseases from spreading, it can actively spread them through airborne means.** Though COVID-19 is not predominantly an airborne disease, a study conducted by Princeton University, the University of California-Los Angeles and the National Institutes of Health found that “viable virus could be detected in aerosols **up to 3 hours post-aerosolization.**”

When an infected person coughs or sneezes, the larger droplets fall rapidly however, smaller particles travel longer, and very small particles behave as aerosols. Aerosols remain airborne for hours and can be inhaled by people nearby or transferred through a building’s HVAC system.

## Keep Students, Teachers, and Administrative Staff Safe

Our webinar will review the functionality HVAC systems, building ventilation codes, and the importance of incorporating pressurization zones into your virus mitigation strategy. We will also discuss new technologies to combat disease spread specifically in school settings, like air ionization and UV light treatment. A proper understanding of these factors will enhance your ability to keep students and teachers safe.

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**WEBINAR:**

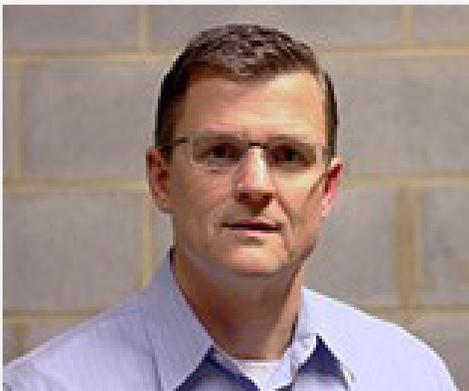
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## Learning Objectives

- Review the evidence of COVID-19 spread through ventilation systems.
- Understand the CDC recommendations to reduce disease transmission.
- Understand the functionality of HVAC systems.
- Recognize the importance of making sure HVAC system filters are inspected.
- Identify the process of augmenting HVAC systems with ionization and ultraviolet (UV) technology.



## Presenters



**JOHN WILLIAMS**

Division Manager | Principal

Mr. Williams is a Division Manager and Principal at Allana Buick & Bers (ABB), responsible for the operations and oversight of all the North Carolina Division's projects. He specializes in managing multi-million dollar capital expansions and national capital equipment replacement programs. Mr. Williams has over 24 years of industry experience and has successfully executed over 2,000 projects.

Mr. Williams is a member of the American Society of Heating, Refrigerating and Air Conditioning Engineering (ASHRAE).



**PETERSEN LAMBERT,  
PE, BECxP, CxA+BE**

Division Manager | Principal

Mr. Lambert is the Seattle Division Manager and a Principal at Allana Buick & Bers (ABB). He is responsible for all projects in the Pacific Northwest. Mr. Lambert provides building envelope, roofing, waterproofing, and exterior wall systems expertise for both existing buildings and new construction. He also oversees project planning, production, and team and client management for the region.

Mr. Lambert is also the lead technical member for the Seattle office, providing quality control/quality assurance and construction administration services.

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