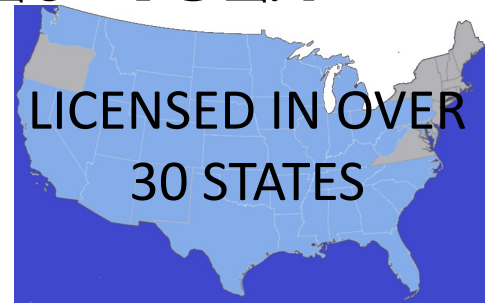


# NEWSLETTER 2020 VOL. I

## BOYT ENGINEERING

WE DESIGN BUILDINGS TO MEET CLIENTS' NEEDS AND NOT OUR EGOS



LICENSED IN OVER 30 STATES

**Sausage Egg Brunch**  
**This meal can be prepped the night before and refrigerated then put in the oven in the morning.**  
**Ingredients :** 1 8 oz. pkg brown and serve sausage links, cut in fourths. 5 slices bread, pulled in small pieces. 1 cup shredded cheddar cheese. 15 eggs slightly beaten, 2 cups milk, 1 tsp. dry mustard.  
**Prep:** Place bread pieces on bottom of a buttered 1 1/2 qt. shallow baking dish. Place sausage on top of bread and sprinkle with cheese. Combine eggs, milk and mustard. Pour evenly over cheese. Refrigerate overnight..  
**Cook:** Bake uncovered in a 350 degree F oven for 50 to 55 minutes.

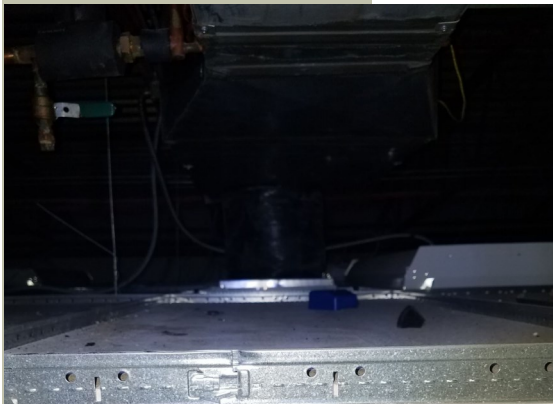
### USE HVAC TO REDUCE INDOOR CONTAMINANTS:

THERE ARE 2 MAIN COMMERCIAL TECHNOLOGIES TO REDUCE BIO-CONTAMINANTS IN CIRCULATED AIR: ULTRAVIOLET "C" BANDWIDTH LAMPS, AND ELECTRICAL IONIZATION.

UV-C LIGHT SOURCES CAN BE INSTALLED INSIDE OF HVAC EQUIPMENT. THEY CAN BE PLACED TO IRRADIATE SURFACES MOST VULNERABLE TO BUILDUP OF BIO MOLECULES. THE PERFORMANCE HAS SEVERAL CAVEATS INCLUDING: AIR VELOCITY, LAMP MAINTENANCE, AND PLACEMENT.

ELECTRICAL IONIZATION IS A METHOD THAT USES AN ELECTRONIC CHARGE TO GENERATE A HIGH CONCENTRATIONS OF POSITIVE OR NEGATIVE IONS. THESE IONS ATTRACT CONTAMINANTS AND BREAK DOWN TOXINS AND VOLATILE ORGANIC COMPOUNDS (VOCs). THESE IONS SPREAD THROUGH THE SPACE SPREAD BY THE HVAC SYSTEM AND ATTACH TO PARTICLES AND MOLECULES. THESE PARTICLES ATTRACT ONE ANOTHER AND BECOME LARGER SO THAT THEY ARE MORE EASILY ELIMINATED BY AIR FILTRATION. THE IONS ALSO ACT AS AN ANTI-MICROBIAL.

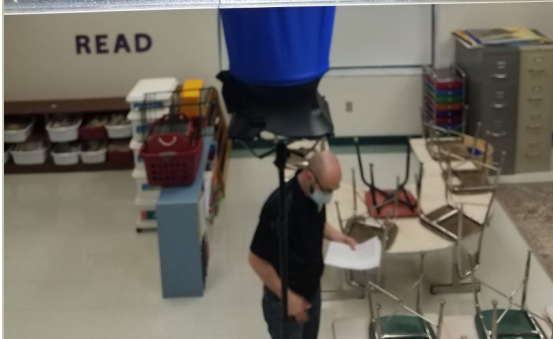
CURRENT REALITIES MAKE THE USE OF THESE TECHNOLOGIES A BENEFIT TO THE HEALTH LIFE SAFETY OF OCCUPANTS IN THE BUILT ENVIRONMENT.



## FLOW TESTING

### A New Capability Inhouse

Boyt Engineering recently made the investment in an Alnor flow hood. This allows us to check flow and be able to confirm the efficacy of Test and Balance reports if necessary or if included as a commissioning action by our firm.



## REVIT

### A PUSH IN BOYT ENGINEERING

Boyt Engineering recently made the acquisition of additional seats of REVIT. This is part of a push to offer more capabilities to our clients. It is anticipated that REVIT will be an area we will look to work on larger projects. The additional seats and the training program currently procured will allow us to offer full REVIT Mechanical, Electrical and Plumbing on projects with our clients.

ROB JOHNSON USING FLOW HOOD  
PHOTO BY RICHARD SANDERS

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