



## LOCATION

**Grateful Heads  
Beauty Salon**  
Monroe,  
North Carolina

## Challenge

When April and Sam Kuhn set out to open Grateful Heads, a beauty salon, they needed to renovate the property they bought to local codes. Ventilation was a key area to consider given typical salon activities and chemicals that can lead to poor indoor air quality (IAQ) issues. Add a pandemic and the efficient displacement of indoor air with outdoor air became extra vital.

Contractor solutions for the building were presented but knocked down by the Kuhn's local permit office every time. So, Sam decided to research ventilation on his own. After finding Building Performance Equipment, Inc. (BPE), he explained the needs of the space to CEO and ventilation designer, Klas Haglid, P.E., R.A.

## Solution



“One call to BPE, and I was able to get permit approval,” says Sam.

BPE determined that the salon required approximately 900 cfm of air exchange. Consequently, he recommended the BPE-XE-MIR-1000 energy recovery ventilator (ERV) for providing enough outdoor air. The unit was set up in the cellar.

Anyone who has experienced a keratin hair treatment knows the chemicals can smell terrible and cause headaches, dizziness, and breathing problems. The process was the perfect test for superior air exchange.

Everyone was surprised with the results. “When the unit is on, there are no remnants of smell, and it happens almost instantaneously,” says Sam.

With the addition of an easy-to-use set of controls for adjusting air flow and temperature, this beauty salon is all set to welcome clientele. Not only can they offer a relaxing experience without fumes, but the air displacement also reduces the threat of virus in the air. One high-performance ERV allows Grateful Heads to meet and exceed ASHRAE Standard 62.1 Ventilation Rates for Acceptable indoor air quality.