

Historic Building Renovation - Asheboro, NC



ENRG Blanket reduces utility bills and provides enhanced comfort to employees and patrons.

Application Overview

This historic Asheboro, NC hosiery manufacturing building was being renovated to house a boutique restaurant.

The renovation was subject to strict guidelines for historic preservation and the building needed a solution to heating and cooling challenges.

ENRG Blanket™ installed into the roof design as a means of reducing energy consumption and improve thermal comfort

1. The Project

A long vacant office building that, started its life as hosiery manufacturing facility, was being renovated to become a boutique bakery and café. The owner needed to improve the comfort in the space while reducing energy consumption.

2. The Challenge

The challenge to this renovation was installing ENRG Blanket in a space where the walls, ceilings and floors were off-limits in terms of modifying the original look of the space. The renovation was also subject to strict construction guidelines for historic preservation.



3. The Solution

The building's roof had to be replaced as part of the renovation. Phase Change Solutions worked with one of the nation's largest suppliers of foam board to engineer a sandwiched roof design for the building. The design incorporated ENRG Blanket inside the roof structure. The addition of ENRG Blanket allowed the roof to manage the thermal/solar heat load and improve the comfort in the building.

4. The Results

This creative solution reduced the heat gain and loss and decreased the heating and cooling loads for the business. The entire facility, including the kitchen, is comfortable and the historical society is elated that the structure retained its original character and charm.

To learn more or discuss your project, please call us at: **800-283-7887**
or e-mail us @ info@phasechange.com