

Hoffmann Beverage: Chesapeake, Virginia

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PROJECT DESCRIPTION

Client: Hoffmann Beverage
Project: Hoffmann Beverage, Chesapeake, Virginia
General Contractor: ABCO Beverage Group
Floor Area: 217,102 sq ft
Construction Schedule: 2017

PROJECT APPROACH

Design/Build

PROJECT SCOPE

We engineered and phased this \$18 million design/build project to enable Hoffmann Beverage, a large distributor of beer and non-alcoholic products, to continue operating with minimal downtime during construction.

Worked on existing warehouse (CW) and a new 12,800-square-foot warehouse. The energy efficient (EER) system we designed reliably maintains the temperatures required by beer suppliers as product moves through the space. Phase 2 involved the expansion and renovation of existing office space. During Phase 3, the existing 81,237-square-foot warehouse was renovated and additional new office space was constructed.

The project received a 2017 Design/Build Award from Contracting Business.

PROJECT CHALLENGE/SOLUTION

The HVAC systems and building automation system (BAS) controls needed to condition air in several very diverse indoor environments, ranging from 26,000 square feet of office space to a CW warehouse with 22-foot ceilings and a 32,000-square-foot, low-temperature refrigeration dough plant.

Existing refrigeration units were relocated twice – first within the existing building to allow for construction of the new warehouse, then later to the roof of the new warehouse.

ENERGY SAVINGS

Energy efficiency upgrades included variable frequency drives (VFD) on the rooftop unit fans to save energy and prolong motor and mechanical component life, and variable air volume (VAV) boxes and fan terminals, units (FTU) for zone control in the office space.