

LifeScience Logistics: Columbia, MD

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PROJECT DESCRIPTION

Client: LifeScience Logistics

Project: Conditioned Warehouse HVAC Renovation

General Contractor: Lauth Construction LLC

Floor Area: 291,000 sf

Construction Schedule: Four months

PROJECT APPROACH

Design/Build

ROLE

Engineer of Record

Mechanical Construction Manager

PROJECT CHALLENGE/SOLUTION

The LifeScience Logistics facility houses stockpiles of medicine and drugs for the Center for Disease Control and Prevention (CDC). The CDC requires uniform temperatures and they ensure compliance by measuring temperatures throughout their facilities. The temperature must be set at 72F plus or minus 2F, year-round, wall-to-wall and floor-to-ceiling.

In high bay storage areas, it is difficult to maintain the adequate air distribution necessary to achieve temperature uniformity. Because this facility was built in an existing building with less-than-optimal insulation in the walls and roof, obtaining temperature consistency was even more challenging. Wiegmann's solutions included packaged rooftop units and an extensive duct distribution system. We also installed a Delta Controls Building Automation System. Because the project construction schedule was very short, we coordinated upfront with the general contractor, subcontractors and equipment vendors to meet the deadlines. This project was conducted concurrently with a LifeScience Logistics facility in Atlanta.

PROJECT SCOPE

Furnished and installed:

- 15 packaged rooftop units
- 15 emergency smoke exhaust fans (high pile storage requirements) and 4 general exhaust fans
- Smoke exhaust make-up air system for heating OA during winter
- VVT system for 6,000 sf office area
- Delta Controls Building Automation System

