

CLIENT

**LARGEST US
INSURANCE/
INVESTMENT CO.**

LOCATION:

Dresher, PA



CONSTRUCTION VALUE:
\$15 Million

DESIGN START:
1999

DESIGN COMPLETE:
2000

**CONSTRUCTION
COMPLETE:**
2002

SCOPE OF WORK

Design upgrade of Mechanical, Electrical & Plumbing Systems.

PROJECT DESCRIPTION

The existing HVAC System for this 550,000 sf. office building in Dresher, Pennsylvania building was designed as a Constant Air Volume System (CAV System).

A&J Consulting Engineering Services, P.C. was hired to replace existing CAV System to new Variable Air Volume System (VAV System). Upgrade from CAV to VAV system provided more zones and better control of space temperature for each zones across the building. Additional zones are favorable to reconfigure spaces in future since each zone is independent. As a part of this upgrade, existing CAV AHUs were replaced with new AHU with VFD for VAV System. A new Cooling Tower was designed to replace existing Cooling Tower. All associated Electrical & Plumbing Systems were also upgraded.