BDA Engineering, Inc.

CURRICULUM VITAE
SUSAN M. COOPER, P.E.
PRINCIPAL

Areas of Specialization

Manage client satisfaction. Actively facilitate communication among project teams toward a coordinated goal of exceeding Owner expectations.

Lead the entire MEP team to progress total project on schedule.

Design mechanical, plumbing, and fire protection systems for new and infrastructure improvement projects for higher educational, commercial, and manufacturing clients. Engineer of record for many projects within Pennsylvania.

Supervise and mentor less experienced designers.

Analyze existing systems for potential operational and/or efficiency upgrades.

Educate owners on mechanical issues specific to their application to assist in final decision-making.

Perform energy use analysis of existing and proposed buildings to maximize return on investment for various construction options as well as to quantify building performance for LEED certification, or in lieu of ComCheck compliance.

Provide all Commissioning related review and documentation based on specific project attributes. Field verify installations and operation as part of the commissioning process. Author final commissioning reports to meet IECC or LEED requirements.

Sample Projects

Commissioning Projects

Pitt Ohio Harmer, LEED Gold
Pittsburgh Public Schools (Faison-Retro Cx) (Clayton-Retro Cx)
Midwife Center, LEED Silver
Forbes Ave Apts., LEED Gold

Design Projects

PPS Obama 6-12 – Gym AC/Lighting Upgrades
Steel Valley - New Elementary School, MS/HS – HVAC Upgrade
Gill Hall Elementary, W. Jefferson Hills
West Allegheny Middle School – full renovation and additions
Pitt Ohio Terminals – Multiple Locations
Gabes Retail Sites-Multiple Locations
Form Energy
Powdermill Avian Research Facility
CCAC KLI Science Ctr

Energy Analysis

2400 Market St, Phila (Residential Highrise-in lieu of ComCheck)
One Franklin Plaza, Phila (Residential Highrise-in lieu of ComCheck)
One Water St, Phila (Residential Highrise-LEED Certified)
Pitt Ohio, Parma, OH-LEED Gold

Professional Registration

2000 P.E.–State of Pennsylvania

Educational Background

1993 B.S.A.E. – Pennsylvania State University
with Honors, Architectural Engineering HVAC