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Ahmad A. Mahmud, P.E., LEED A.P., Principal

EXPERIENCE: Mr. Mahmud is a principal of BSEG, LLC with over 11 years of experience in the consulting engineering field. Ahmad has extensive experience as a project manager, as well as project engineer on a vast array of projects ranging from educational facilities, transportation facilities, corporate headquarters, high-rise, mid-rise and low-rise office buildings, tenant fit-outs, dormitories, historic renovations, and central plants. His background lies in the design of Heating, Ventilation and Air Conditioning Systems, including Chilled Water Plants, Boiler Plants, Air Distribution Systems, and Hydronic Systems. Mr. Mahmud also has extensive experience in “Green Design”, performing condition assessment studies, conducting life-cycle cost analysis, and reviewing and developing construction documents. His strengths lie in his ability to understand the needs of the client, as well as provide a service that meets the client’s financial and operational expectations.

EDUCATION: BS Mechanical Engineering, 1997, Manhattan College
MBA Management/ Finance, 2002, New York University

PROFESSIONAL REGISTRATION: Professional Engineer PA, NY, NJ, CT, CO, DE, IL, VA, NC
National Council of Examiners for Engineering and Surveying (NCEES) registration
LEED Accredited Professional

SELECTED PROJECT EXPERIENCE:

SAUDI ELECTRIC COMPANY- CENTRAL REGION BRANCH, HEAD OFFICE BUILDING, Riyadh, Saudi Arabia – The schematic design for a new 30-story, 600,000 SF high rise office building with an eight-story garage.

LATVIAN NATIONAL LIBRARY, Riga, Latvia – The schematic design of a new 12-story, 450,000 SF national library.

INDIANA UNIVERSITY THEATER/CULTURAL CENTER, Bloomington, IN – A 120,000 SF theater and education center. The building includes 2 state-of-the-art performance theaters, a dance studio, wood shops among other specialty spaces.

UNIVERSITY OF THE ARTS NEW DORMITORY BUILDING, Philadelphia, PA – A new 110,000 SF, 15-story dormitory building.

TEACHERS COLLEGE NEW STUDENT HOUSING BUILDING, New York, NY – The design of a new dormitory facility, which included two towers, one 19-story tower and one 11-story tower linked through a common lobby walkway.

MONTGOMERY COUNTY COMMUNITY COLLEGE, Blue Bell, PA – Conversion of 5,000 SF of existing computer labs into a black box theater with support space and music practice rooms.

BRANDYWINE ENDOSCOPY CENTER, Downingtown, PA - A fit-out of a 3,100 SF endoscopy center. The endoscopy center included two procedure rooms, a processing room and six recovery rooms.

LOWER BUCKS PEDIATRICS, Lower Makefield, PA – A new 12,000 SF two-story pediatrics clinic. The clinic includes 20 exam rooms, a triage center, two lab areas and over 7,000 SF of doctor’s office space.

MERCY SUBURBAN, East Norriton, PA – The fit-out of 2,700 SF medical office space. The medical office includes six exam rooms and a lab.

MONTGOMERY ORTHOPEDICS, East Norriton, PA – The fit-out of 7,100 SF orthopedics clinic. The clinic includes a lab, X-ray area, 10 exam rooms and a physical therapy area.

Ahmad A. Mahmud, P.E., LEED A.P., Principal, continued

HARSHAW DENTAL, Bryn Mawr, PA – The fit-out of 4,800 SF dental suite, which includes six treatment rooms, six hygiene stations, X-ray room, lab and sterilization room.

BRANDYWINE HEALTH AND HOUSING CENTER, Coatesville, PA - A 52,000 SF four-story mixed use facility, which included a 1st floor medical clinic and dental suite, the 2nd and 3rd floors contained senior housing and the 4th floor included medical and counseling offices.

HCR MANORCARE, Parma, OH – A 55,000 SF, 120 bed assisted living and skilled nursing facility.

WEST MIDTOWN FERRY TERMINAL, New York, NY - A 32,000 SF, 30' high, all glass, ferry terminal with office support space.

COLUMBIA UNIVERSITY, 615 West 131st Street, New York, NY – The phased core and shell renovation of an six-story, 210,000 SF old manufacturing plant to Columbia University's administration office building.

TEACHERS COLLEGE MILBANK CHAPEL RENOVATION, New York, NY – The renovation and historic restoration of a 200-seat Lecture Hall.

LONG ISLAND UNIVERSITY – CW POST, TILLES CENTER EXPANSION/RENOVATION, Brookville, New York, A 20,000 SF expansion/renovation to the performing arts center.

FASHION INSTITUTE OF TECHNOLOGY ADDITION, New York, NY – A 3-story addition to the school of art.

HAVERFORD COLLEGE PRESIDENT'S RESIDENCE, Haverford, PA – Renovations and additions to historic 3-story mansion including air conditioning and fire protection upgrades.

124 MARKET STREET, West Chester, PA - A 216,600 SF, eight-story, mixed-use building, which includes 60 luxury condominiums over one level of retail and two levels of parking.

HOPEWELL MANOR, Elverson, PA - A 70,000 SF, 3-story, 72-unit senior housing project. The project also entails the demolition of an existing fire station and renovation of an existing banquet hall into a new community center.

SUMMIT PLACE, Summit, NJ - A six building mixed use development on a 3-acre site. Our involvement includes the design of the Parmley Building and Euclid Building. Parmley is a 67,000 SF 4-story, 26-unit luxury condominium building over one level of parking. Euclid is a 33,000 SF 4-story, 11 luxury condominium building over one level of parking.

WESTMINSTER PLACE AT PARKESBURG, Parkesburg, PA – A 84,000 SF four-story senior housing building.

LUTRON CB-4, Coopersburg, PA – A four-story, 28,000 SF addition to an existing research and development facility.

BOSTIK RESEARCH AND DEVELOPMENT FACILITY, Warminster, PA - A 35,000 SF research lab and corporate office building. The facility a 20,000 SF lab wing with seven lab rooms.

NEW YORK BOTANICAL GARDEN GLASSHOUSES FOR LIVING COLLECTION, Bronx, NY – A 36,000 SF , eight structure greenhouse facility to promote the propagation and production for the support of diverse horticultural collections at the New York Botanical Garden.

GLOBAL CROSSING CORPORATION, Madison, NJ – A 130,000 SF tenant fit-out for Global Crossing Corporation North East Corporate Headquarters.

IBM CORPORATION NORTH CASTLE FIT-UP, Armonk, NY – Renovation and fit-out 400,000 SF of office space at the IBM North Castle Facility.

ESSEX COUNTY COURTHOUSE, Newark, NJ – The renovation and historical restoration of a five-story, 250,000 SF courthouse.

THE INN AT CHARLES TOWN, Charles Town, WV – A 92,000 SF four-story, 150 room hotel.

THE FAVORITES AT TOMS RIVER, Toms River, PA – A conversion of a 28,000 SF supermarket to a restaurant, lounge, bar and off track wagering facility.