

Sam Davati, PE,
19522 Club House Road
Montgomery Village, Maryland 20886

(301) 208- 9576

PROFESSIONAL OBJECTIVE : Senior Electrical Engineer working on Power Distribution and Lighting System

MAJOR SKILLS (More than 24 years of electrical engineering experience)

Experienced in design of electrical power distribution, emergency generator system, Generator Parallel system, UPS Redundant System, fire alarm, security, PMCS/Monitoring, lightning protection, special grounding, telephone and public address systems for 24X7X365 computer room and telecommunication facilities, industrial, commercial, institutional, federal, military, clinical, laboratory, hazardous area, and residential buildings. Experienced in Design Reviews, Facility Surveys, Project Management, Construction Administration, Construction Inspection, Utilization Studies, Site Evaluations and Quality Control. Building Life Cycle Cost Analysis (BLCC), Energy Audits, ASEAM and FEDS-2 Energy program by DOE. Experienced in design, evaluation, and conduit routing and planning for Telco Hotels.

ENGINEERING EXPERIENCE

7/01 to present: SENIOR ELECTRICAL ENGINEER AND PRESIDENT with D2 Engineering. Responsible for the overall electrical design for variety of new construction and renovation work. Designed 24X7 computer facility with electrical redundancy levels for critical and essential electrical equipment.

4/99 to 7/01: SENIOR ELECTRICAL ENGINEER AND PROJECT MANAGER with Encompass Global Technology in Beltsville, Maryland. Responsible for overall electrical portion of the Design/Build computer room projects for the mission critical facilities.

6/98 to 4/99: PROJECT ELECTRICAL ENGINEER AND PROJECT MANAGER with WEDGCO Engineering in Rockville, Maryland. Complete electrical design for variety of new construction, renovation and alteration work.

11/91 to 6/98t: PROJECT MANAGER AND SENIOR ELECTRICAL ENGINEER with DMJM in Arlington, Virginia. Electrical engineering design reviews, facility surveys, construction administration, inspection, utilization studies, architectural/engineering firm selections and design reviews for Department Of Labor, Job Corps Centers through out the nation.

12/90 to 11/91: PROJECT ELECTRICAL ENGINEER with Sheladia Associates, Rockville, Maryland. Complete electrical design, construction inspection and construction administration on very large projects.

8/87 to 12/90: PROJECT ELECTRICAL ENGINEER with The Benham Group East,

Vienna, Virginia. Complete electrical design for variety of new construction, renovation and alteration work.

5/87 to 8/87: ELECTRICAL ENGINEER with Schlenger & Pitz Associates, Baltimore, Maryland. Designed electrical distribution system for variety of buildings.

9/86 to 2/87: ELECTRICAL ENGINEER with VSE Corporation, Alexandria, Virginia. Designed electrical distribution and lighting for RF shielded Army shelters and buildings.

8/85 to 8/86: ELECTRICAL ENGINEER with Wiseman and Associates, Athens, Ohio. Complete electrical design for variety of buildings.

COMPUTER SKILLS

Familiar with **ACAD 2010** drafting, **Microsoft Word, Excel, Access, Project, Outlook, WordPerfect** computer programs. Invented various electrical programs for short circuit analysis, lighting foot candle, Grounding, and demand load calculation. I have written a special program that provides essential information for the mission critical and computer room designs, considering the size, weights and dimensions for various equipment.

ACADEMIC BACKGROUND

- o Master of Science in Electrical Engineering, Ohio University, Athens, Ohio, 6/86.
- o Bachelor of Science in Electrical Engineering, Ohio University, Athens, Ohio, 6/83.

REGISTRATION

Registered Professional Engineer: **(PE)** States of Virginia, D.C. , Maryland, Vermont and New Hampshire.

HONORS, MEMBERSHIP, PERSONAL BACKGROUND AND REFERENCES

- o Dean's List 1981, 1982, 1983. Paul Stocker Engineering Scholarship 1982, 1983. ETA KAPPA NU Engineering Honor Society 1982, 1983.
- o Aggressive and creative in projects and programs.
- o Member of 24X7 Exchange.com.
- o U.S. Citizen. References available upon your request.

OFFICE/COMMERCIAL/HIGH RISE

- INTELSAT II Headquarters Building, Washington, D.C.- 280,000 SF, two 3000 amp services, 1000 KW generator, 125 KVA UPS.
- DATATEL Office Building, Fairfax, Virginia, Main Building Electrical Service.
- DATATEL Office Building, Fairfax, Virginia, Tenant Engineering Services, DATATEL, M-Tech, Winchester Homes, Snytex Laboratories, and Mobil Corporation.
- International Association of Machinists and Aerospace Workers Headquarters (IAMAW), Rockville, Maryland, 114,000 SF, 2500 amp service, 500 KW generator, 125 KVA UPS, 125 KVA PDU.
- Pender Pointe Office Building, Fairfax, Virginia.
- Hyatt Regency Hotel, Baltimore, Maryland, 232,000 SF.
- Sun Motel Inn, Pomeroy, Ohio.
- U.S. Post Office Building, Glen Allen, Virginia.
- U.S. Post Office Building, Stafford, Virginia.
- Cloverleaf Office Complex
- Crown Point Corporate Center

MEDICAL/LABORATORIES

- Walter Reed Army Medical Center, Washington, D.C.- AIDS Laboratory 47000 SF.
- Walter Reed Army Medical Center, Washington, D.C. - Renovations/Alterations, Building 52.
- Walter Reed Army Medical Center, Washington, D.C. - Building 508, 42000 SF.
- Walter Reed Army Medical Center, Washington, D.C. - Chiller/Freezer Addition Building 162.
- Walter Reed Army Medical Center, Washington, D.C. - Generator Exhaust Addition, Building 2.
- Walter Reed Army Medical Center, Washington, D.C. - Building 511.
- Walter Reed Army Medical Center, Washington, D.C. - Building 512.
- Drug and Alcohol Treatment Center, Baltimore, Maryland - Renovations/Alterations, the Tuerk House
- Pleasant View Retirement Community

COMPUTER FACILITIES

- Gibson Dunn & Crutcher Law Firm, Washington, D.C., Electrical Design for Renovation/Expansion, third and ninth Floors, 37,000 SF.
- TRW Federal Systems Group, Fairfax, Virginia, 5,400 SF, 125 KVA PCU, computer facility.
- Times Journal Company, Springfield, Virginia, Computer Room Expansion, 7,200 SF.
- DSCSOC Facility, Fort Belvoir, Virginia. Computer Room expansion, 4,500 SF, RF shielded satellite computer facility. Special satellite configuration control element ground system.

GOVERNMENT

- Federal Bureau of Investigation, Quantico, Virginia - Replacement of five PCB transformers.
- Federal Bureau of Investigation, Quantico, Virginia - Vehicle Storage Building.
- Federal Bureau of Investigation, Quantico, Virginia - Replacement of cooling Tower.
- Federal Bureau of Investigation, Quantico, Virginia - Dining Hall Renovation.
- Social Security Administration, Metro West Building Complex, Baltimore, Maryland.
- P.G. County, Clinton Fringe Parking Lot, Clinton, Maryland.
- P.G. County, South Laurel Fringe Parking Lot, Laurel, Maryland.
- P.G. County, Fort Washington Fringe Parking Lot, Fort Washington, Maryland.
- Ft. A.P. Hill military base, Virginia, Cold Storage and General Purpose Warehouse, 54,000 SF.
- Federal Reserve Board, Washington, D.C., Replacement of fire Alarm System.
- Ft. Belvoir military base, Virginia, Dining Hall Renovation.
- Naval Surface Weapons Center, Submarine Launched Ballistic Missile Targeting Facility.
- Jones Point, Chiller Addition, Alexandria, Virginia - 43,000 SF.

INSTITUTIONAL

- College of Business and Management Building, University of Maryland, College park, Maryland.
- Carver Hall, University of Maryland, Princess Ann, Maryland.
- 600 Bed Dormitory, Morgan State University, Baltimore, Maryland.
- New Academic Building, Salisbury State University, Salisbury, Maryland.
- Farmville, Virginia, Grainger Hall Renovation.
- Ellis Hall Renovation, Athens, Ohio, English Department.
- Davis Hall Renovation, Athens, Ohio, 49,000 SF.
- Wilson Hall, Pomeroy, Ohio, 43,000 SF.
- Public Library, Ashville, Ohio.
- Barnesville School , Barnesville, Maryland (Renovation/Addition)
- Gaithersburg High School (Renovation), Montgomery Co., Maryland
- Catocin High School Additions/Alterations, Catocin, Maryland

INDUSTRIAL

- 3M Company, Chemical Department Expansion, Middleway, West Virginia, hazardous area.
- Lock and Dam No. 9, Arkansas River, Arkansas, 34 Megga Watt hydro power plant.
- A.P. Green Refractors, St. Louis, Missouri.
- City Industries, Winter Park, Florida, Electrical design for underground utilities and pumps in hazardous areas. .
- Palmetto Wood Industries, Palmetto Wood, South Carolina, Electrical design for underground utilities and pumps in hazardous area. .