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**EXPERIENCE SUMMARY:** Low voltage electrical design for power plant, commercial and residential projects including power & lighting, one line riser diagrams & schedules, in accordance with the National Electrical Code. Perform site survey for new and existing electrical distribution. Produce all associated electrical drawings. Provide engineering support for contractor throughout construction, and documentation of as-built conditions.

Short circuit studies, voltage drop analysis, battery sizing, grounding & lighting calc. Load studies for service, transformers, main, panel, UPS and emergency generator. Breaker coordination study. Preparation of specs, startup, test & maintenance procedures. Nuclear Environmental Qualification for electrical equipment, Commercial Grade Dedication & safety analyses.

Installation of Programmable Logic Controllers and preparation of associated ladder networks. Use of computer spreadsheet & database management to support calculations. Proficiency in AutoCAD, Basic, Dbase, Excel, Focus, Fortran, Lotus 123, PC-Write, & Word. Telemarketing of computer software & hardware products for various platforms of Apple, DOS, OS/2 & Windows.

**WORK HISTORY:** 1991 July to present: Consultant Electrical Engineer: Engineering Excellence, Hollywood, FL; Bechtel at FPL Turkey Point Nuclear Power Plant, Homestead, FL; Quantum Resources at FPL Engineering Offices, Juno Beach, FL for Year 2000 (Y2k) Analysis. JALRW Engineering Group, Miami, FL; Bailey Engineering, Fort Lauderdale, FL for water treatment design; QED Engineering Consultants, Davie, FL; Motorola Facility Engineering, Plantation, FL; S.Feller Consulting, Oakland Park, FL; Engineering Design Associates, Deerfield Beach, FL; DeRose & Slopey Consulting, Miami, FL; Florida Engineering Services, North Miami, FL. Carolina Power & Light at Brunswick Nuclear Power Plant, Southport, NC; Bechtel at TVA Browns Ferry Nuclear Power Plant, Athens, AL; Pacific Gas & Electric Company, San Francisco, CA for Diablo Canyon Nuclear Power Plant; Gilbert at TVA Sequoyah Nuclear Power Plant, Soddy Daisy, TN.

1987 Dec to 1991 Jun: Florida Power & Light, Juno Beach office & power plants.

1987 Aug to 1987 Nov: NorthEast Utilities, Berlin, Connecticut office.

1985 September to 1987 July, & 1978 June to 1981 January: Ebasco Services: New York offices. Field assigned to nuclear power plants TVA Browns Ferry, Con Ed Indian Point, FPL Turkey Point, FPL St. Lucie & LPL Waterford, and NYSEG Fossil & Hydro Power Plants. NY office work for nuclear power plants CP&L Shearon Harris & Mexico CFE Laguna Verde, and fossil plants Ebasco Reference & GPU Seward.

Jan 84 to Aug 85: Vesta: Jackson, Michigan. Assigned to Cooper Nuclear Station Brownville, Nebraska, and Beaver Valley Nuclear Power Plant Shippingport, Pennsylvania.

Apr 81 to Nov 83: New York Power Authority: Oswego NY, FitzPatrick Nuclear Power Plant

**EDUCATION:** 1994 Aug: Professional Engineer, State of Florida License 79192  
1993 Aug: National Council Engineering Record 11797  
1990 Aug: Professional Engineer, State of New York License 67556  
1978 Jun: City College of New York, B.E. Electrical Engineering

**ORGANIZATIONS:** Alumni Association of the City College of New York  
Institute of Electrical & Electronics Engineers  
High School Science & Math Teacher  
PADI Certified Open Water Diver