

Summary: Mr. Swan has over 30 years of professional experience in the electrical consulting industry. He has practiced electrical engineering for new and remodeled residential, commercial, institutional, light industrial and public projects for over three decades.

His responsibilities now include: forensic investigations, insurance claims, lightning and fire investigations, equipment failure analysis, litigation support, accidents, injuries, fatalities, shock and electrocutions, arc flash, illumination level analysis, construction cost disputes, condition and life safety surveys, arc flash studies, power quality, equipment evaluations, code reviews, peer reviews, engineering studies, and other engineering services.

Education: NORTHEASTERN UNIVERSITY 1994
Power Systems Analysis I, II, III
Analytical Analysis of Power Distribution Systems

FRANKLIN INSTITUTE OF BOSTON 1984
Associate Degree (Evenings) in Electrical Engineering
National Electrical Code, Electrical Theory, Design and Layout,
Power Distribution, Installation and Estimating

DON BOSCO TECHNICAL HIGH SCHOOL 1980
National Electrical Code, Electrical Theory and Installation Practices
Diploma and Certificate, 1800 Hours in Electrical Training, MA State Approved

CEU's: See the Attached Expanded List
Specialized Training Electrical Safety NFPA 70E and Arc Flash Hazard Analysis
Litigation Support, Construction Law and Product Liability
National Electrical Code and Massachusetts Electrical Code Updates
Power Systems Analysis, Power Quality, Critical Power Systems

Registrations: Registered Professional Electrical Engineer, Massachusetts #40178
Registered Professional Electrical Engineer, North Carolina #27656
Registered Professional Electrical Engineer, New Hampshire #14537
Registered Professional Electrical Engineer, Connecticut #32210
Registered Professional Electrical Engineer, New York #098183-1

Experience: PRINCIPAL ELECTRICAL ENGINEER (1989 - PRESENT)
Swan Engineering, Inc. – Serving New England
Private Consulting Practice

DESIGN ENGINEER (1986 - 1989)
S.B. Sager & Associates, Inc. - Stoughton, MA
Electrical Consulting Engineers

ELECTRICAL DESIGN (1979 - 1986)
Ganteaume and McMullen, Inc. - Boston, MA
Engineers and Architects

Memberships: Founder, Electrical Engineers Network of Greater Boston
Associate Member of the International Electrical Inspectors Association
Member of the IEEE, Institute of Electrical and Electronics Engineers
Member of the NFPA, National Fire Protection Association

2017	NEC 2017 Code Changes – Generators International Association of Electrical Inspectors, 2.0 Hours
2017	Professional Licensing, Standard of Care, Indemnity, etc... Donovan Hatem LLP, 1.0 Hour
2017	NEC 2017 Code Changes – Hazardous Locations International Association of Electrical Inspectors, 1.0 Hour
2017	NEC 2017 PV Best Practices and MA Fire Code Solar Energy Business Association of New England, 6.0 Hours
2016	NEC 2017 Code Update – Short Circuit Current Ratings International Association of Electrical Inspectors, 2.0 Hours
2016	NEC 2017 Code Changes Massachusetts Electrical Contractors Association, 0.1 CEU
2016	Electrical Safety, Risk Assessment, Safety in Manufacturing, Dust Explosions American Society of Safety Engineers, 4.5 Hours
2016	Solar System Inverters International Association of Electrical Inspectors, 1.0 Hour
2016	Design Build Case Studies Donovan Hatem, LLP, Counselors at Law, 1.5 Hours
2016	OSHA 30 Construction IBEW Local 103 Joint Apprentice Training Center, 30 Hours
2015	Electrical Safety IAEI International Association of Electrical Inspectors, 1.5 Hours
2015	Electrical Safety Audits, Voltage Testing, Safety Certifications ASSE American Society of Safety Engineers, 4.0 Hours
2015	Arc Flash Calculations and Mitigation ElectroLearn, 2.5 Hours
2014	Intellectual Property IEEE Institute of Electrical and Electronics Engineers, 2.0 Course Hours
2014	Fire Protection and Life Safety Seminar Society of Fire Protection Engineers. 5.5 Course Hours
2013	Ground Resistance Testing AEMC Instruments, 8.0 Contact Hours
2013	National Electrical Code Update 2014 NEC IAEI International Association of Electrical Inspectors, 0.65 CEU
2013	Bussmann – Selective Coordination IAEI International Association of Electrical Inspectors, 2.0 Course Hours

- 2011 **Focus Achieving Your Highest Priorities**
Franklin Covey, 7 PDH
- 2011 **Advanced Power*Tools for Windows Course #202**
SKM System Analysis Inc, 3 Days, 2.0 CEU / 20 PDH
- 2010 **Fire Alarm and Emergency Signal Systems**
System Sensor Honeywell 0.8 CEU
- 2010 **Thermography and Power Quality**
Flir & Dranetz 4.0 Course Hours
- 2009 **Fundamentals of Expert Witnessing**
Seak, Inc. 0.7 CEU
- 2008 **Distributed Generation Interconnection**
NSTAR & National Grid 0.2 CEU
- 2007 **Analysis of the 2008 National Electrical Code**
International Association of Electrical Inspectors IAEE/NFPA
- 2006 **Harmonics and Power Quality Conference**
Electrical Construction and Maintenance 16 Hours
- 2006 **NFPA 70E Electrical Safety in the Workplace**
Square D Group Schneider 1.0 CEU
- 2005 **Power Factor Correction and Harmonics**
Eaton Cutler Hammer 0.2 CEU
- 2005 **Arc Flash Hazard Analysis I**
Technical Training Group 0.8 CEU
- 2005 **Arc Flash Hazard Analysis II**
Technical Training Group 0.8 CEU
- 2004 **Power Quality & Non Linear Loads**
Power Quality International, Inc. 1.0 CEU
- 2004 **Coordination of Electrical Power Systems**
SKM Systems Analysis, Inc. 4.0 CEU
- 2003 **Electrical Preventative Maintenance**
American Trainco 0.7 CEU
- 2003 **How to Be an Effective Expert Witness**
Donovan & Hatem, LLC 0.3 CEU
- 2003 **Fundamentals of Finance and Accounting**
Fred Prior Seminars 0.6 CEU
- 2002 **Microsoft Office**
Career Track 0.7 CEU

- 2002 **Massachusetts Electrical Code Update**
William F. Laidler 1.5 CEU

- 2000 **Franklin Covey 7 Habits**
Franklin Covey 6.4 CEU

- 2000 **Control Systems Design**
Technical Training Group 0.8 CEU

- 1999 **Construction Law**
Northeastern University 2.5 CEU

- 1999 **Problems and Solutions of Electric Power Delivery**
Cooper Power Systems 0.5 CEU

- 1999 **Massachusetts Electrical Code Update**
Richard M. Boudreau 1.5 CEU

- 1998 **Product Liability, Legal Implications for Engineers**
Northeastern University 0.8 CEU

- 1996 **Electrical Power Systems II**
Technical Training Group 0.7 CEU

- 1995 **Digital Electronics**
Northeastern University 4.0 QH

- 1995 **Power System Protection**
Institute of Electrical and Electronics Engineers 1.5 CEU

- 1994 **Power Systems Analysis I, II, III**
Northeastern University 12 QH

- 1994 **Protective Device Coordination Studies**
Technical Training Group 0.7 CEU

- 1990 **Power Quality and Emergency Standby Power Systems**
Institute of Electrical and Electronics Engineers 1.2 CEU

COLD STORAGE, FOOD DISTRIBUTION CENTERS

- NASH FINCH CO., OMAHA, NE
- MILFORD FREEZER DEVELOPMENT, NEW HAVEN, CT
- WEST TERMINAL, NEW BEDFORD, MA

COMPUTER ROOMS

- ARMY CORPS OF ENGINEERS, MORSE MISSION TRAINING CENTER, FORT DEVENS
- DIGITAL EQUIPMENT CORPORATION, DIGITAL DRIVE, WESTMINSTER, MA
- PUTNAM, 1 POST OFFICE SQUARE, BOSTON, MA
- WANG LABORATORIES, DVX COMPUTER ROOM, LOWELL, MA
- BOSTON GLOBE DATA CENTER, SOUTH BOSTON, MA
- STARWOOD HOTELS, DATA CENTER, BRAINTREE, MA
- BJ's WHOLESALE CLUB, INC., COMPUTER LAB, NATICK, MA

CONDITION SURVEYS AND REPORTS

- CHRIST CHURCH EPISCOPAL, QUINCY, MA
- HARVARD UNIVERSITY / DOUBLE TREE GUEST SUITES HOTEL, CAMBRIDGE, MA
- ONE KENDALL SQUARE, BIOTECHNOLOGY CENTER, CAMBRIDGE, MA
- FARGO BUILDING, SOUTH BOSTON, MA
- NORTHEASTERN UNIVERSITY, MARINE SCIENCE CENTER, NAHANT, MA
- NORTHEASTERN UNIVERSITY, MATTHEWS ARENA, BOSTON, MA
- CITY STREET/STATE STREET, OFFICES AND DATA CENTER, QUINCY, MA
- MUSEUM TOWERS, TWIN HIGH RISE TOWERS AND PARKING GARAGE, CAMBRIDGE, MA
- MERCANTILE WHARF, RESIDENTIAL/RETAIL, BOSTON, MA
- PROCTOR & GAMBLE/GILLETTE LABORATORIES, 37A STREET, NEEDHAM, MA
- JOE'S BAR AND GRILLE, WATERFRONT, 100 ATLANTIC AVE, BOSTON, MA
- RIVER STREET PUMPING STATION, BOSTON, MA
- BEST WESTERN HOTEL, CONCORD, MA

CORRECTIONAL FACILITIES

- ESSEX COUNTY HOUSE OF CORRECTION, ADMINISTRATION BLDG., MIDDLETON, MA
- ESSEX COUNTY HOUSE OF CORRECTION, LIBRARY/PROGRAMS BLDG., MIDDLETON, MA
- ESSEX COUNTY HOUSE OF CORRECTION, HEALTH/FOOD SERVICES BLDG., MIDDLETON, MA

CRITICAL POWER SYSTEMS

- NORTHEASTERN UNIVERSITY, WEST VILLAGE H - GENERATOR EVALUATIONS, BOSTON, MA
- BOSTON GLOBE DATA CENTER, GENERATOR UPS EVALUATIONS, SOUTH BOSTON, MA
- STARWOOD HOTELS, DATA CENTER, UPS & GENERATING SYSTEMS, BRAINTREE, MA
- BETH ISRAEL DEACONESS HOSPITAL, GENERATOR EVALUATIONS, NEEDHAM, MA
- LIBERTY MUTUAL, WORLD HEADQUARTERS, GENERATOR INVESTIGATIONS, BOSTON, MA
- NORTHEASTERN UNIVERSITY, DATA CENTER, UPS AND GENERATION, BOSTON, MA
- CITY STREET & STATE STREET, GENERATOR LOAD STUDY, QUINCY, MA
- NORTHEASTERN UNIVERSITY GENERATOR FAILURE, EGAN SCIENCE CENTER, BOSTON, MA
- NORTHEASTERN UNIVERSITY, EMERGENCY GENERATION STUDY, MATTHEWS ARENA
- TOWN OF LEXINGTON, FIRE HEADQUARTERS, UPS & GENERATION, LEXINGTON, MA
- BANK OF AMERICA, CALL IN CENTER, PARALLEL GENERATOR STUDY, EAST PROVIDENCE, RI
- FOXWOODS, RAIN MAKER ADDITION, PARALLEL GENERATOR STUDY, MASHANTUCKET, CT
- NORTHEASTERN UNIVERSITY, WEST VILLAGE H - DATA CENTER, BOSTON, MA
- ENTERGY NUCLEAR TEST FACILITY, FIRE PUMP FAILURE, NEW DESIGN, PLYMOUTH, MA
- NORTHEASTERN, WEST VILLAGE G & H, MASTER EMERGENCY ONE-LINE DIAGRAM

CUSTOM ROOF TOP UNITS AND ENCLOSURES

- ONE KENDALL SQUARE, BIOTECHNOLOGY CENTER, HIGH RISE, CAMBRIDGE, MA
- BOSTON INVITRO FERTILIZATION, MASS GENERAL HOSPITALS, WATHAM, MA

EDUCATIONAL

- GLASTONBURY ABBEY, HINGHAM, MA
- MASSACHUSETTS HORTICULTURAL SOCIETY, EDUCATION CENTER
- NORTHEASTERN UNIVERSITY, SHILLMAN HALL, BOSTON, MA

ENERGY ANALYSIS AND POWER RECORDING

- R & S PRINTERS, MORRISSEY BOULEVARD, DORCHESTER, MA
- BETH ISRAEL DEACONESS HOSPITAL, NEEDHAM, MA
- LIBERTY MUTUAL GROUP, WORLD HEADQUARTERS, BOSTON, MA
- DEXTER STREET HIGH RISE LUXURY APARTMENTS, BROOKLINE, MA
- BOSTON GLOBE, DATA CENTER, DORCHESTER, MA
- NORTHEASTERN UNIVERSITY, DATA CENTER, BOSTON, MA
- NORTHEASTERN UNIVERSITY, MARINE SCIENCE FACILITY, NAHANT, MA
- CITY STREET/STATE STREET, OFFICES AND DATA CENTER, QUINCY, MA
- NORTHEASTERN UNIVERSITY, WEST VILLAGE H - HIGH RISE DORMS, BOSTON, MA
- BOSTON GLOBE, CELL TOWERS, DORCHESTER, MA
- NORTHEASTERN UNIVERSITY, WILLIS HALL, ELEVATORS, BOSTON, MA
- NORTHEASTERN UNIVERSITY, LAKE HALL, LOAD ANALYSIS, BOSTON, MA
- NORTHEASTERN UNIVERSITY, SCHOOL OF MARINE SCIENCE, NAHANT, MA
- HARRISON SPECIALTY COMPANY INC., CANTON, MA
- BOSTON GLOBE, ANALYZE ENERGY REDUCTION PROPOSAL, BOSTON, MA

FIRE ALARM SYSTEMS (HIGH RISE AND MID RISE BUILDINGS)

- CHARLES RIVER PARK, BOSTON, MA
- FIDELITY PROPERTIES, 19 CONGRESS STREET, BOSTON, MA
- FIDELITY PROPERTIES, 68 DEVONSHIRE STREET, BOSTON, MA
- FIDELITY PROPERTIES, 82 DEVONSHIRE STREET, BOSTON, MA
- OMNI PARKER HOUSE, BOSTON, MA
- NORTHEASTERN UNIVERSITY, SNELL ENGINEERING CENTER, BOSTON, MA
- NORTHEASTERN UNIVERSITY, KARIOTIS HALL, BOSTON, MA
- NORTHEASTERN UNIVERSITY, HEMENWAY APARTMENTS, BOSTON, MA

FIRE PROTECTION SYSTEM REPORTS

- THE PUTNAM COMPANIES, 1 ADAMS PLACE, BRAINTREE, MA

FOOD PROCESSING FACILITIES

- GOOD HARBOR FILLET, GLOUCESTER, MA
- NASOYA FOODS, INC., AYER, MA

LITIGATION SUPPORT, INSURANCE CLAIMS, AND INVESTIGATIONS

- RENAISSANCE GATEWAY HOTEL, CONSTRUCTION COST DISPUTE, SAINT LOUIS, MO
- TACO BELL FIRE, FAST FOOD RESTAURANT, LEOMINSTER, MA
- HINGHAM WOODS LIGHTNING DAMAGE, CONDOMINIUM DEVELOPMENT, HINGHAM, MA
- NORTHEASTERN GENERATOR BREAKER TRIPPING, EGAN RESEARCH CENTER, BOSTON, MA
- LIBERTY MUTUAL GROUP LIGHTING MALFUNCTION, WORLD HEADQUARTERS, BOSTON, MA
- NORTHEASTERN GENERATOR ANNUNCIATOR MALFUNCTION, WEST VILLAGE A, BOSTON, MA
- NORTHEASTERN SHORT CIRCUIT FAILURE SHUTDOWN, DATA CENTER, BOSTON, MA
- HELICOS BIOSCIENCES LAB, EQUIPMENT OVERHEATING, 1 KENDALL SQ., CAMBRIDGE, MA
- LINCOLN MALL OF RHODE ISLAND LIGHTNING DAMAGE, LINCOLN, RI
- NORTHEASTERN EMERGENCY LIGHTING MALFUNCTION, MATTHEWS ARENA, BOSTON, MA
- MARIO RESIDENCE, CONSTRUCTION COST PRICING DISPUTE, MILFORD, CT
- APPLE BRIAR APARTMENTS LIGHTNING DAMAGE, MARLBOROUGH, MA
- SPICKET COMMONS CONDOMINIUMS, FIRE INVESTIGATION, METHUEN, MA
- GEORGE WASHINGTON HIGH SCHOOL ELECTROCUTION, NEW YORK, NY
- GARCIA vs. BIG G FATALITY, NEW BEDFORD, MA
- ROSEMONT ENGINEERING FIRE PUMP CONTROLLER EXPLOSION FAILURE, BOSTON, MA
- FORTIS PROPERTY GROUP, BUSWAY EXPLOSION FAILURE, BOSTON, MA
- PIEDMONT REALTY TRUST, STATE STREET BANK, LIGHTNING DAMAGE, QUINCY, MA
- JET BLUE AIRWAYS ELECTROCUTION, LOGAN INTERNATIONAL AIRPORT, EAST BOSTON, MA
- LOUIS BRUM vs. SASSO CONSTRUCTION, INC., ELECTRIC SHOCK, WOBURN, MA
- MIDEA DEHUMIDIFIER, FIRE INVESTIGATION, PROVIDENCE, RI
- CHINESE DRYWALL, SULFURIC ACID AND CORRODED COPPER WIRING, HERNANDEZ RES.
- NORTHEASTERN UNIVERSITY, STATIC TRANSFER SWITCH FAILURE, BOSTON, MA
- AMERICAN PRINTING, LIGHTNING DAMAGE, RUMFORD, RI
- MICROWAVE DEVELOPMENT LABORATORIES, POWER TRANSFORMER FIRE, NEEDHAM, MA
- ELECTRIC SHOCK FROM INCOMPLETE CONSTRUCTION WIRING, BOOTHBAY HARBOR, ME
- WENDY'S RESTAURANT, ARC FLASH, BURN, SHOCK, BOSTON, MA
- BOSTON YACHT HAVEN, FIRE, ELECTRICAL SCOPE ASSESSMENT, BOSTON, MA
- MEMORIAL DRIVE, FIRE AND WATER DAMAGE, ELEVATORS, CAMBRIDGE, MA
- WOODMAN'S OF ESSEX, POWER QUALITY INVESTIGATION, ESSEX, MA
- SPRINGFIELD COLLEGE, HURRICANE DAMAGE, SPRINGFIELD MA
- STOUGHTON HOUSING AUTHORITY, FIRE ALARM SYSTEM DAMAGE, STOUGHTON, MA
- BIOMED REALTY TRUST, LIGHTNING DAMAGE, CAMBRIDGE, MA
- BROOKSIDE HOMEOWNERS ASSOCIATION, UG CABLE DAMAGE, NORTH ANDOVER, MA
- DEERFIELD FOREST CONDOMINIUMS, POWER QUALITY SURVEY, NATICK, MA
- WATER TREATMENT FACILITY, LIGHTNING DAMAGE, NORTH RAYNHAM, MA
- WHITMAN HOUSING AUTHORITY, LIGHTNING DAMAGE, WHITMAN, MA
- VINEYARD GOLF CLUB, LIGHTNING DAMAGE, MARTHA'S VINEYARD, MA
- VINEYARD REGIONAL HIGH SCHOOL, LIGHTNING DAMAGE, MARTHA'S VINEYARD, MA
- BELMONT COUNTRY CLUB, LIGHTNING DAMAGE, BELMONT, MA
- GIBSON RESIDENCE, POWER QUALITY SURVEY, WOODS HOLE, MA
- ATLANTIC BOUNTY BOAT FIRE, WARWICK, RI
- ROCKWELL DATA CENTER LITIGATION, OKLAHOMA CITY, OK
- ADMIRALTY INN FIRE, FALMOUTH, MA
- BARRETT'S ALEHOUSE FIRE INVESTIGATION, BRIDGEWATER, MA
- TECO-BLOC, REMEDIATION COST LITIGATION, NORTH BROOKFIELD, MA
- BLACK ROCK REALTY, EXTERIOR LIGHTING ANALYSIS, NORWOOD, MA
- FIRE HEADQUARTERS, EMI/RFI INVESTIGATION, LAKEVILLE, MA
- WOBURN HOUSING AUTHORITY, WATER DAMAGE EVALUATION, WOBURN, MA
- PENN PLAX, FIRE DAMAGE SUBROGATION, MANASSAS, VA

(CONTINUED ON NEXT PAGE)

- RDA CONSTRUCTION, LINE DAMAGE LITIGATION, SAUGUS, MA
- PINGREE SCHOOL, WATER DAMAGE ASSESSMENT, SOUTH HAMILTON, MA
- BEAVER LACE, LIGHTNING DAMAGE ASSESSMENT, BOSTON, MA
- GREYLAWN FOODS, POWER QUALITY DAMAGE ASSESSMENT, CRANSTON, RI
- GOLDEN YEARS NURSING HOME, FIRE INVESTIGATION, FAULTY WIRING, WESTERLY, RI
- BARNWELL NURSING HOME, EQUIPMENT FAILURE FIRE INVESTIGATION, VALATIE, NY
- GREEN MOUNTAIN COFFEE, DESTRUCTIVE TEST AND EXAMINATION, HYDEVILLE, VT
- ALBANY STREET, WATER DAMAGED BUS RISERS, BOSTON, MA
- RESIDENTIAL, POWER QUALITY DAMAGE, COHASSET, MA
- ADVANCED PRECISION ENGINEERING, LIGHTNING DAMAGE ASSESSMENT, IPSWITCH, MA
- GREEN MOUNTAIN COFFEE, FIRE INVESTIGATION, EAST HAMPTON, CT
- MGS2 LLC, THEFT/REPAIR COST REVIEW, BRIDGEPORT, CT
- TORAH ACADEMY, WATER DAMAGED ELEVATOR CONTROLLER, BROOKLINE, MA
- BOAT FIRE LOSS, OWNER'S REPRESENTATIVE, MARTHA'S VINEYARD, MA
- GREENFIELD COMMUNITY COLLEGE, ERRORS & OMISSIONS CLAIM, GREENFIELD, MA
- NANTUCKET BOAT BASIN, HURRICANE COST EVALUATION, NANTUCKET, MA
- FRAMINGHAM PUBLIC LIBRARY, FIRE ALARM PANEL WATER DAMAGE, FRAMINGHAM, MA
- APARTMENT FIRE, ELECTRICAL CITATION SCOPE ASSESSMENT, HARTFORD, CT
- HANCOCK STREET RETAIL, WATER DAMAGED SERVICE EQUIPMENT, QUINCY, MA
- YOUNG RESIDENCE, GOLF CART FIRE EXAMINATION, DELUTH, GA
- MIKE'S AUTOBODY, ENVIRONMENTAL CONTROLLER DAMAGE EVALUATION, FALL RIVER, MA
- TRIATOMIC ENVIRONMENTAL, FURNACE FIRE EXAMINATION, DAVIE, FL
- LAZAR RESIDENCE, FIRE INVESTIGATION, CONCORD, MA
- GOODWIN RESIDENCE, FIRE INVESTIGATION, STURBRIDGE, MA
- LIFOAM, FIRE INVESTIGATION, PEABODY, MA
- NORTHEASTERN UNIVERSITY, AUTOMATIC TRANSFER SWITCH FAILURES, BOSTON, MA
- MANN RESIDENCE, FURNACE FAILURE, SHARON, MA
- HYATT HOUSE, WATER DAMAGED WIRING AND EQUIPMENT, WALTHAM, MA
- WATER TREATMENT PLANT, FIRE INVESTIGATION SUPPORT, PEABODY, MA
- PICKERING WARF CONDOMINIUMS, FIRE INVESTIGATION, PEABODY, MA

GENERATING STATIONS

- BROOKHAVEN LANDFILL, BROOKHAVEN, NEW YORK
- MORRIS LANDFILL, MORRIS, ILLINOIS
- INGERSOL RAND / MERCK, RATHWAY, NEW JERSEY
- COVANTA ENERGY LANDFILL, HAVERHILL, MA

GENERATOR FEASIBILITY STUDIES

- CARITAS CARNEY HOSPITAL, DORCHESTER, MA
- BETH ISRAEL DEACONESS HOSPITAL, NEEDHAM, MA
- NORTHEASTERN UNIVERSITY, HENDERSON HOUSE, WESTON, MA
- LIBERTY MUTUAL GROUP, WORLD HEADQUARTER, BOSTON, MA
- THE BOSTON GLOBE - NEW YORK TIMES, BOSTON, MA
- FORBES RESIDENCE, WESTON, MA
- HARVARD PUBLIC LIBRARY, HARVARD, MA

HEALTHCARE

- BETH ISRAEL DEACONESS HOSPITAL, NEEDHAM, MA
- QUINCY CITY HOSPITAL, NURSERY, QUINCY, MA
- BRIGHAM AND WOMENS HOSPITAL, MRI & CT SUITE, BOSTON, MA

HIGH RISE OFFICES

- COOLIDGE BANK, DOWNTOWN BOSTON, BOSTON, MA
- JOHN HANCOCK, COPLEY PLACE, BOSTON, MA

HISTORIC

- NORTHEASTERN UNIVERSITY, HENDERSON HOUSE, WESTON, MA
- TOWN OF LEXINGTON, FIRE HEADQUARTERS, LEXINGTON, MA
- TOWN OF LEXINGTON, CARY HALL, LEXINGTON, MA
- TOWN OF LEXINGTON, POLICE STATION, LEXINGTON, MA

HOUSING

- CUSHING RESIDENCE, HANOVER, MA
- STONELEIGH CONDOMINIUM DEVELOPMENT, DEDHAM, MA
- THE BAUER HOUSE, ELDERLY HOUSING, QUINCY, MA
- CARLETON ARMS CONDOMINIUMS, SERVICE CALCULATIONS, BROOKLINE, MA

LABORATORIES

- GTE SYLVANIA, LIGHT LABORATORIES, SALEM, MA
- NEW ENGLAND DEACONESS HOSPITAL, RESEARCH LABORATORY, BOSTON, MA
- NORTHEASTERN UNIVERSITY, THERMAL FLUIDS LABORATORY, BOSTON, MA
- TAISEI CORPORATION, AIDS RESEARCH LABORATORY, BOSTON, MA

MANUFACTURING

- BARNES & JONES INDUSTRIAL PARK, RANDOLPH, MA
- HARRIS GRAPHICS, DOVER, NH
- POLAROID CORPORATION, NEWTON, MA

MARINAS

- CONSTITUTION MARINA, CHARLESTOWN, MA
- BAY POINT MARINA STUDY, QUINCY, MA
- KINGMAN MARINA, SITE DISTRIBUTION SOLAR PV EVALUATION, CAPE COD, MA

MEDIUM VOLTAGE SUBSTATIONS

- NORTHEASTERN UNIVERSITY, WHITE HALL, BOSTON, MA
- NORTHEASTERN UNIVERSITY, RICHARD'S HALL, BOSTON, MA
- NORTHEASTERN UNIVERSITY, FORSYTH BUILDING, BOSTON, MA
- NORTHEASTERN UNIVERSITY, ROBINSON HALL, BOSTON, MA
- RAYTHEON, SAMUELS ASSOCIATES, LOWES, WALTHAM, MA
- NORTHEASTERN UNIVERSITY, SNELL ENGINEERING, STUDY, BOSTON, MA
- GORTON'S SEAFOOD, FOOD PROCESSING PLANT, GLOUCESTER, MA

MISCELLANEOUS PROJECTS

- FISHER SCIENTIFIC, BOARD ROOM, HAMPTON, NH
 - BOSTON COLLEGE HIGH, CORCORAN LIBRARY, BOSTON, MA
- (CONTINUED ON NEXT PAGE)

- HARBORLIGHT MALL, THEATER ADDITION, WEYMOUTH, MA
- SACRED HEART RECTORY, WEYMOUTH, MA
- TAUNTON NATIONAL GUARD ARMORY, TAUNTON, MA
- TOWN OF LEXINGTON, POLICE HEADQUARTERS GENERATOR, LEXINGTON, MA
- PEABODY LANDFILL, CONTROL BUILDING DESIGN, PEABODY, MA
- 180 BEACON STREET, SERVICE EVALUATION, BOSTON, MA
- 939 BOYLSTON STREET, SERVICE EVALUATION, BOSTON, MA
- LAKEVILLE DPW GARAGE, SERVICE UPGRADE, LAKEVILLE, MA

MUSEUMS

- OUR WORLD CHILDRENS MUSEUM, COHASSET, MA

OFFICES

- AAA REGIONAL HEADQUARTERS, NORTH ANDOVER, MA
- EAGLE ELECTRIC, DISTRIBUTORS, NORWOOD, MA
- GILLETTE PRESIDENTIAL OFFICES & SECRETARIAL SUITE, BOSTON, MA
- JOHN HANCOCK, 27 DRYDOCK AVE., SOUTH BOSTON, MA

PEER REVIEWS

- MILTON LANDING, LUXURY CONDOMINIUMS, MILTON, MA
- TRINITY PLACE, HIGH RISE CONDOMINIUMS, BOSTON, MA
- CAPE COD MALL, SITE LIGHTING, HYANNIS, MA
- DOUGLAS ELEMENTARY AND MIDDLE SCHOOLS, DOUGLAS MA

POWER SYSTEMS

- BOSTON EDISON COMPANY, DC CONVERSIONS, BOSTON, MA
- J. BAKER, INC., CANTON, MA
- NORTHEASTERN UNIVERSITY, DATA CENTER, BOSTON, MA
- NORTHEASTERN UNIVERSITY, MASTER PLANNING, BOSTON, MA

RESTAURANT, BANQUET & DINING FACILITIES

- BANK OF BOSTON, EXECUTIVE DINING SUITE, BOSTON, MA
- BLADES AND BOARDS, THE FLEET CENTER, BOSTON, MA
- SEABROOK GREYHOUND RACE TRACK, SEABROOK, NH
- LONGMEADOW GOLF CLUB, TEWKSBURY, MA

RETAIL

- MERRIMAC PLAZA, METHUEN, MA
- SONG AIR LINES, THE PRUDENTIAL CENTER, BOSTON, MA

ROADWAY LIGHTING

- CITY OF BOSTON, STREET LIGHTING, ALSTON/BRIGHTON, MA
- ROUTE 24 OVERPASS, CONSTRUCTION LIGHTING CALCULATIONS, RANDOLPH, MA

SAFETY SURVEYS

- NORTHEASTERN UNIVERSITY, MARINE SCIENCE FACILITY, NAHANT, MA
- NORTHEASTERN UNIVERSITY, MATTHEWS ARENA, BOSTON, MA

SEWAGE AND WATER PUMPING STATIONS

- PARK SCHOOL, BROOKLINE, MA
- RIVER STREET PUMPING STATION, REWIRE, BOSTON, MA

SHORT CIRCUIT, COORDINATION & ARC FLASH STUDIES

- BRIGHAM AND WOMENS HOSPITAL, MRI & CT SUITE, BOSTON, MA
- HUDSON WASTE WATER TREATMENT PLANT, HUDSON, MA
- LOCKHEED MARTIN, MISSILE DIVISION, CHELMSFORD, MA
- BANK OF AMERICA, CALL IN CENTER, EAST PROVIDENCE, RI
- FOXWOODS, RAIN MAKER ADDITION, MASHANTUCKET, CT
- LIBERTY MUTUAL GROUP, TRAINING & RESEARCH CENTER, HOPKINTON, MA
- SOUTH SHORE HOSPITAL CAMPUS, WEYMOUTH, MA
- FAIRHAVEN WASTE WATER TREATMENT FACILITY, FAIRHAVEN, MA
- REEBOK WORLD HEADQUARTERS, CANTON, MA
- TIMKEN AEROSPACE, LABANON, NH
- TIMKEN PRECISION AUTOMOTIVE, KEENE, NH
- REEBOK, PARKING GARAGES, CANTON, MA
- REEBOK, CHILD CARE FACILITY, CANTON, MA
- REEBOK, CHASE HOUSE, CANTON, MA
- REEBOK, INSTRON, CANTON, MA

SOLAR PHOTOVOLTAIC SYSTEMS

- CHAPMAN CONSTRUCTION, NEWTON, MA
- SHERBORN RESIDENCE, SHERBORN, MA
- MARSTON MILLS RESIDENCE, MARSTON MILLS, MA
- THE MATH WORKS, NATICK, MA
- HEARTH RIDGE MANOR, HOPKINTON, MA
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