

# BRIAN K. WATTLEWORTH, PE, RCDD, LEED AP

## HOME ADDRESS

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### Profile

Electrical Engineering professional with twenty-five years of experience in the design and implementation of utility, site and building interior electrical systems, project management and team leadership. Expertise includes 15kV and 600V power systems, as well as low voltage control, network and communications systems.

### Licenses & Certifications

Licensed professional engineer in Illinois, Indiana, Wisconsin and six other states. Also LEED accredited professional with US Green Building Council. Accredited by BICSI as Registered Communications Distribution Designer (RCDD).

### Work Experience

**AbbVie Inc**, North Chicago, IL

5/13 – Present

Principal Electrical Engineer, Lake County Site Operations

- Report as subject matter expert for electrical systems to operations and maintenance, facilities, and central utility plant for production, research and administration functions at North Chicago company headquarters and at Abbott Park in Lake County, Illinois.
- Responsible for implementation of capital projects, including scoping, budgeting, procurement and documentation. Act as review authority for electrical construction scope for all projects in Lake County.
- Responsible for electrical safety program for safe electrical workplace practices, including training and permitting.
- Responsible for testing and preventative maintenance of existing electrical assets at Lake County locations. Includes power distribution equipment at 15kV, 5kV and 600V voltage levels, and all fire alarm and mass notification systems.

**Proteus Group**, Chicago, IL

2/03 – 5/13

Principal/Director of Engineering

- Project work primarily involves implementation of capital improvement projects at hospitals, whether revenue, compliance or infrastructure driven. Work includes determining scope, budgets and schedules, as well as design and construction oversight. Projects are additions, remodeling or equipment replacements or upgrades.
- Responsible for all aspects of engineering project deliverables, primarily for healthcare clients. Supervise staff of seven engineers and designers. Act as Project Manager.
- Primary engineering contact for clients, responsible for generating fees and proposals.
- Responsible for operational aspects of healthcare MEP engineering division of consulting firm, including project budgeting, performance tracking, staffing and employee review and mentoring.
- Work closely with marketing and sales team, including creating and performing presentations for existing and prospective clients.
- Notable clients include:

Rush University Medical Center – Chicago, IL  
University of Chicago – Chicago, IL  
Loyola University Medical Center – Maywood, IL  
Mercy Hospital & Medical Center – Chicago, IL  
M & M Mars Chocolate – Chicago, IL

**Teng and Associates, Inc.**, Chicago, IL

4/96 – 9/98, 12/01 – 2/03

Senior Electrical Engineer (12/01 – 2/03)

Project Electrical Engineer (4/96 – 9/98)

- Responsible for electrical design, specifications and QA/QC for commercial, industrial, and transportation projects involving power distribution, lighting, and fire alarms. Supervised staff of sub-consultants.
- Notable projects/clients include:

Equity Office Properties/Chicago Mercantile Exchange Life Safety System - Chicago, IL  
City of Chicago Dept. of General Services/City Hall Life Safety System  
Chicago Transit Authority Brown Line Renovation - Chicago, IL  
IDOT-Stevenson Expressway Reconstruction - Chicago, IL

ISHTA - Toll Booth Renovations and I-Pass Installations - Chicago, IL

**HLM Design**, Chicago, IL  
Senior Electrical Engineer

9/98 – 12/01

- Responsible for all electrical design and construction administration for Chicago office of nationwide firm. Supervised production staff of four and coordinated work effort for remodel and new building projects, including health care, justice, government and lab facilities.
- Notable projects/clients include:

Rush Presbyterian St. Luke's Medical Center - Chicago, IL  
Oak Park Medical Office Building at Oak Park Hospital - Oak Park, IL  
Methodist Hospital – Merrillville, IN  
Northwestern University - Chicago and Evanston, IL  
GSA - Chicago, IL

**Commonwealth Edison Co.**, Libertyville, IL  
Field Engineer/Project Manager

1/91 - 4/96

- Performed construction proposal preparation and on site contract inspection and negotiation.
- Developed plans and specified materials for construction of overhead, buried, and conduit / manhole type electrical distribution systems (4, 12, & 34 kV).
- Coordinated multiple utility relocation projects, budgets, and construction schedules.
- Designed distribution system additions and modifications for new commercial buildings and residential subdivisions, including coordination of utility easements and permits.

*Computer Skills* AutoCAD, Word, Excel, Access, Power Point

*Education* **University of Illinois**, Urbana-Champaign, IL  
Bachelor of Science, Electrical Engineering, December 1990

**Eastern Illinois University**, Charleston, IL  
Pre-Engineering, May 1988

*Professional Affiliations* Current Member IEEE, BICSI (Building Industry Consulting Services International) & AEE (Association of Energy Engineers)

*Teaching Engagements* Instructor for Algebra & Circuit Analysis courses at Commonwealth Edison, also led mathematics tutoring workshop at Eastern Illinois University

*Speaking Engagements* Healthcare Building Design Expo, Baltimore, MD, 8/26/05  
Expert Witness Testimony in Medical Malpractice Suit, 2008

*Community Involvement* Trustee of the Warren Waukegan Fire Protection District, 2011 to present  
President of local homeowners association, 2010 to 2014  
Board member and president of Warren Youth Football program.

*References* Available Upon Request