

# ERWIN & BIELINSKI

ARCHITECT AND ENGINEER, PLLC.

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## Ronald Edward Bielinski, P.E., AIA, PP, CIH, CSP

### Principal

#### Education

- ▶ B.S. in Chemical Engineering, Polytechnic Institute of New York, Brooklyn, New York, 1977

#### Registrations

- ▶ Registered Architect in New Jersey
- ▶ Licensed Professional Engineer in NY, NJ, CT, PA, DE, MO
- ▶ Licensed Interior Designer in Washington, D.C.
- ▶ Certified Interior Designer in New York
- ▶ Licensed Professional Planner in New Jersey
- ▶ National Council of Interior Design Qualification (NCIDQ) - Certified Interior Designer
- ▶ National Council on Qualifications in the Lighting Professions - Lighting Certified
- ▶ EPA "Green Lights" Surveyor Ally
- ▶ American Academy of Environmental Engineers - Diplomate Environmental Engineer in Industrial Hygiene
- ▶ American Board of Industrial Hygiene - Certified Industrial Hygienist in Comprehensive Practice
- ▶ Canadian Registration Board of Occupational Hygienists - Registered Occupational Hygienist
- ▶ Board of Certified Safety Professionals Certified Safety Professional in Comprehensive Practice
- ▶ New Jersey Dept. of Environmental Protection - Community Noise Measurement
- ▶ Asbestos Project Designer / Inspector, New York State DOL

*Mr. Bielinski is an Engineer/Architect with an environmental specialty. His experience includes more than 35 years of comprehensive site and facility investigation, design and project management. He has led investigations in commercial, governmental, industrial and residential settings for a myriad of mechanical, building envelope, and environmental conditions. His expertise includes chemical, physical and biological contaminant evaluation and quantification.*

#### Representative Projects

- **The Terrace Lounge at the Hillsboro Club**, Hillsboro Beach, Florida. Conditions Assessment Report: (Site inspection and report of water intrusion, high humidity and mold at an Oceanside country club. Evaluation include building envelope, site drainage, HVAC, and roof drainage)
- **The Primary Care Center at UMDNJ Stratford Campus**, Stratford, New Jersey. Conditions Assessment Report: (site inspection for water intrusion / moisture intrusion from plumbing, building envelope, HVAC and site water management)
- **Clinton Green**, New York, New York. LEED / Commissioning of the project with respect to Indoor Air Quality during Construction, Compliance with ASHRAE 62 (IAQ) as applicable to the project, and Fundamental Building Systems Commissioning.
- **Hurricane Damage Assessment**, Orlando Area, Florida. Facilities included hotels and nursing homes. Investigation included separation of pre-existing damage from hurricane damage. Photo documentation of inspection. Invasive probes of EIFS, walls, building envelope components (windows, doors, sealants, flashing, etc.).
- **Inn at Penn**, Philadelphia, Pennsylvania. Expert Services included evaluation of building envelope, mechanical systems, tracing of water / water vapor transport within the interstitial spaces of the facility, visualizing air movement within building cavities through the use of smoke tubes, invasive probes with observation "windows", determine relative pressures between interior spaces (positive space / negative space determination).
- **535 Third Ave**, New York, New York. Expert Services in a multiple Carbon Monoxide death / injury case. Effort included a tracer gas study using SF6 to track the pathway of the CO throughout this 6-story structure. Equipment included real-time detection equipment to map the

### **Professional Organizations**

- ▶ New York State Board of Interior Design, Member 1992 - 1998, Chair 1999 - 2000, Extended Member for Disciplinary Hearings 2000 - 2006
- ▶ National Council of Examiners in Engineering and Surveying, Examination Juror / Question Writer

### **Memberships**

- ▶ American Institute of Architects
- ▶ American Industrial Hygiene Association
- ▶ Institute of Noise Control Engineering

pathway, with an Electron Capture detector to determine relative concentrations in comparison to the release concentration. Smoke testing of the chimney, breeching and boiler. Photo documentation and video recording of the effort.

- **Christus St. Joseph Medical Center**, Houston, Texas. Exterior Wall evaluation (brickwork, interstitial drainage, weeps), sheathing, damproofing, sealants, fugitive air movement, moisture intrusion, mold, conditions assessment.

### **Employment History**

- 2003 - 2005  
**Thornton Tomasetti Engineers / LZA Technology**, *New York, NY*  
Vice President. A/E Design firm. As a forensic architect / environmental investigator, expert services were provided to insurance firms to determine the cause and origin of building-related claims; to law firms as an expert witness, and, to building management firms to determine building envelope, HVAC and safety/health issues.
  - 1990 - 2004  
**Ronald E. Bielinski, PE, PC**, *Binghamton, NY, New Rochelle, NY*  
President and Principal. A/E Design firm specializing in outdoor Swimming Pool siting, evaluation, repair design, new facility design and construction management, site lighting and town/city board submission and presentation. Community Noise assessment and attenuation design. Public School repair, rehabilitation and renovation projects. Clients included Yonkers Public Schools, Hawthorne Cedar Knolls CSD, Jericho CSD, Manursing Island Club, Apawamis Club, Purchase Community House, AT&T, YMCA Putnam Valley, Town/Village of Harrison, City of White Plains.
  - 1983 - 2003  
**Adelaide Associates, LLC**, *Binghamton, NY, White Plains, NY*  
President and Principal. Performed investigations to determine the cause and origin of accidents, fires, chemical releases; investigate injuries and determine responsibility / liability. Conducted training seminars in accident prevention, loss control, confined space safety, disaster planning and emergency response. Provided expert testimony concerning chemical, noise and biological exposure(s), their measurement, recognition, exposure and control. Consult on loss control, security, and safety to both Government and Industry. Clients include US General Services Administration, US Postal Service, Federal Bureau of Investigation, Library of Congress, NYS Attorney General's office, IBM Corp., General Electric Corp., Reckson Properties, Ashforth Properties, and others.
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- 1982 - 1983  
**Versar, Inc., Springfield, VA.**  
Environmental Engineer/Industrial Hygienist. Chief Engineer at the Binghamton State Office Bldg. Decontamination project. Designed wastewater treatment system to remove PCB's, Dioxin's and Furan's from the cleanup. Provided expert testimony to the City of Binghamton on behalf of the NYS Office of General Services. Chief Engineer at the EPA's Dioxin Combustion Research Facility in Pine Bluff, AK. Designed the effluent sampling systems to determine emission compliance. Interior Design of Pilot Plant Research Facility.
  
  - 1979 - 1982  
**Penick Corporation, Unit of CPC International, Lyndhurst, NJ**  
Environmental Engineer. Responsible for environmental monitoring, community noise monitoring, industrial hygiene monitoring, hazardous waste management, closure plans and regulatory compliance. Assisted in the investigation of several chemical accidents/ spills, including an explosion. Designed specialized production facilities for highly toxic drugs. Noise abatement of mechanical systems in a chemical plant. Interior Design of research laboratory facilities.
  
  - 1978 - 1979  
**Monsanto Company, Industrial Chemicals Division, Kearny, NJ**  
Process Engineer. Troubleshoot and design plant improvements to a detergents / phosphates plant.
  
  - 1977 - 1978  
**Monsanto Company, Enviro-Chem Systems, St. Louis, MO**  
Technical Services Engineer. Air pollution control systems design & testing, troubleshoot equipment failures, community noise monitoring, design of mechanical noise enclosures, environmental monitoring, stack testing.
  
  - 1976  
**U. S. Public Health Service, CDC, NIOSH, Cincinnati, OH**  
Public Health Service Officer, Grade O-1. Design and Testing of air sampling systems for occupational contaminants.
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