

**Edna Zdenek, BSME, PE****PROFESSIONAL ENGINEER**Credentials**Professional Engineer**

New Jersey License #19649    New York License #52140    PA License #22066-E

Education**Bachelor of Science in Mechanical Engineering, 1965**

Newark College of Engineering

**Continuing education** through programs offered by:

National Society of Professional Engineers	Newark College of Engineering
Superior Court of New Jersey	American Bar Association
American Society of Civil Engineers	NJ Society of Architects
American Society of Heating, Refrigeration and Air Conditioning Engineers	

Dispute Resolution

Superior Court of NJ - Community Dispute Resolution Program - Mediator

Professional Service Positions

NJ State Board of Professional Planners; Professional Member  
 NJ State Advisory Board of Carnival and Amusement Park Safety; Professional Member  
 Westfield Board of Construction Appeals; Professional Member  
 NJ Society of Architects; Chapter Board of Directors

Public Service Positions

National Society of Professional Engineers - Accreditation Board for Engineering & Technology in U.S. Universities and Colleges  
 NJ Society of Professional Engineers; Committee for Engineering Education  
 Newark College of Engineering Alumni Association; Board of Trustees  
 Worldreach - The Children's Foundation; Founding Vice President

Seminars and Publications

"Defining & Clarifying the Technical Issues of a Case" - presented at the National Forensic Center Annual Conference  
 "Insulation - Enough is Enough" Technical session presented on behalf of the United States Department of Energy  
 "Fire Safety, Sprinkler Systems and Recommended Code Modifications" - Chaired study committee, prepared & presented position paper for N.J. Society of Architects

**INSTITUTE FOR PRODUCTS, ENGINEERING & CONSTRUCTION**

Tel: 888-212-1155

Fax: 888-414-1155


  
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*Administrative office:*  
 34522 N. Scottsdale Rd.  
 Suite D-8 # 160  
 Scottsdale, AZ 85262

*Engineering offices:*  
 666 Fifth Ave., # 122  
 New York, NY 10103  
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231 North Ave. W, #134  
 Westfield, NJ 07090  
 Tel: 908-233-2973

1429 G St., NW, # 415  
 Washington, DC 20005  
 Tel: 202-822-9660

850 S. Rancho Rd, #4287  
 Las Vegas, NV 89106  
 Tel: 702-222-2481

**Edna Zdenek, BSME, PE****PROFESSIONAL ENGINEER**Areas of Concentration

Construction means & methods  
 Construction defects & delays  
 Contract administration  
 Project documentation  
 Industry standard practices  
 Complex Construction Litigation  
 Safety code compliance  
 Mechanical Engineering  
 Mechanical equipment, i.e. boilers,  
 portable heaters, bathroom fixtures

Mechanical systems & HVAC  
 equipment  
 Heating, Ventilating & Air  
 Conditioning systems & equipment.  
 Industrial Landlord-tenant issues  
 Heating systems & equipment  
 Ventilating systems & equipment  
 Air conditioning systems & equipment  
 Piping & duct systems  
 Sprinkler systems  
 Product defects/safety

Specific Experience & Interest

Condominiums  
 Residential developments  
 Train stations & terminals  
 U.S. Postal facilities  
 Municipal swimming pools  
 Motor vehicle repair facilities  
 Energy use, cost & conservation  
 Commercial/Industrial buildings

Landlord/Tenant Issues  
 University buildings & facilities  
 Code compliance reviews  
 Contract compliance review  
 Municipal buildings  
 Schools  
 Carnival & amusement park safety  
 Homeowner Associations - HOA's

Professional Associations

American Society of Heating, Refrigeration & Air Conditioning Engineers  
 National Society of Professional Engineers  
 National Fire Protection Association  
 NJ Society of Architects, American Institute of Architects  
 American Society of Civil Engineers  
 National Association of Amusement Ride Safety Officials  
 International Association of Amusement Parks and Attractions

Relevant Information

Who's Who in Engineering - Selected for inclusion by the Joint Engineering Council  
 Approved by the Department of Energy as a Technical Assistance Analyst  
 Union College, Math, Science and Engineering Dept. - Former Instructor  
 Who's Who in Professional Design Practice - Who's Who in Finance & Industry  
 Who's Who in the East

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Professional Experience**Institute for Products, Engineering and Construction** **1991-Present**

Provide consulting and forensic engineering services for attorneys and insurance companies in the fields of mechanical engineering and construction project management. Specialty is large-scale projects involving Heating, Ventilation and Air Conditioning (HVAC) design, construction and maintenance. Case types include complex construction litigation and industrial landlord-tenant issues. Projects include industrial/commercial buildings, municipal buildings, schools & university buildings, condominiums and residential developments. Clients include design professionals, contractors, developers, owners, lessees and condominium and homeowner associations.

**Professional Engineers & Planners - Principal** **1971-Present**

General management of the firm and technical supervision of all projects undertaken by the company. Services as prime consultant normally include planning, cost estimates, preparation of contract documents, production of project drawings and specifications, scheduling, construction observation and documentation. Projects include educational, institutional, commercial, residential and industrial facilities and complexes.

Mechanical consulting services to the construction industry include responsibility for heating, ventilating, air conditioning, plumbing and sprinkler systems and equipment with respect to project requirements, design, safety, installation and operation.

General consulting services involve the research, investigation and preparation of technical reports concerning contract compliance, building and safety code compliance, equipment performance, systems evaluation and construction defects.

**Uniplan - Project Manager** **1969 - 1971**

Responsible for field investigation, design, production of project drawings, specifications and equipment selection for heating, ventilating and air conditioning systems. Responsible for coordinating the mechanical, electrical, plumbing, fire alarm, sprinkler and architectural components of the project into an integrated building design.

**Worthington Pump Corp. - Application Engineer** **1966 - 1968**

Responsible for the application of specialized pumps for use on warships and submarines. Coordinated requirements of the government with the capability and production facilities of the company, provided cost estimates, obtained necessary approvals and followed up through installation and testing.

**Picatinny Arsenal - Engineer** **1965 - 1966**

Supervised the loading and testing of solid rocket propellants. Assisted in analyzing the trajectory and test data from the arsenal and from White Sands Proving Ground. Secret clearance rating from the Department of Defense.

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