

Licensed architect with 45 years professional experience, primarily in commercial and industrial building. Also provides non-traditional architectural services to Fortune 500, institutional and governmental clients, such as facilities strategies consulting, facilities needs forecasting, facilities and real estate databases, facility service life extension programs, assets inventories and strategic planning.

*Professional accomplishments include:*

- Programming, facility planning and design of two large commercial office projects cited as seminal work by peers, for innovative application of social and organizational research, furniture design and energy management.
- Real estate development control instruments for a high rise office tower and historic bank listed on the National Register of Historic Places.
- Management of a facilities planning and management support division providing facilities management software and consulting services, including assets inventory and tracking, space and lease management, space needs forecasting, inventory assessment, and furniture procurement and installation management.
- Design of a passive solar residence, built in 1982 and cited as the first passive solar structure in Southern New Jersey.
- Design of a 500,000 SF spacecraft design, manufacturing and assembly facility, encompassing SCIF offices, laminar flow prototyping and manufacturing clean rooms, vehicle assembly clean room, and environmental and dynamic test chambers.
- Coordination and management of an engineering joint venture for a five year utility infrastructure construction, pedestrian bridge and parking structures construction, for the planned overbuild in leased air rights above Amtrak Penn Coach Yard and Northeast Rail Corridor, 30<sup>th</sup> Street Station, Philadelphia, Pennsylvania.
- Adaptive reuse of 20 community bank buildings dating from 1890's to 1960's by converting them to multi-tenant structures. All work was designed so that required alterations and renovations could be done "of right" without requiring variances to zoning, building codes or historic encumbrances on the properties, and the retail banks could continue operations during the construction.



*Education:* Bachelor of Architecture (5 ½ year Professional Degree)  
The Pennsylvania State University, 1969  
  
Foreign Study  
Technical Institute of Delft, The Netherlands, 1968  
  
Passive Solar Architecture  
Massachusetts Institute of Technology, 1979  
  
Coursework in Painting and Print  
The Pennsylvania Academy of the Fine Arts, 1989 to 1995

*Associations:* The American Institute of Architects, Main Line Chamber of  
Commerce, Chester County Commercial/Industrial Investment  
Council, Main Line Art Center (Trustee)

*Licenses and Certifications:* Licensed Architect – Pennsylvania No. RA 7124 (since 1974)  
New Jersey No. AI 6951 (since 1976)  
Certificate in Passive Solar Design, MIT (1980)

*Awards and Distinctions:*

Institute of Business Designers Award (1974); Federal Energy Administration, Energy Conservation Award (1975); Office of the Year Award (1975); Architectural Woodwork Institute, Award for Excellence (1986); American Concrete Institute Award (2005); New York Association of Construction Managers Award (2006); AIA Philadelphia – Volunteer of the Year (2012)

*Projects have been published in 16 feature articles by 8 professional journals and business publications.*

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