

Robson Forensic

Engineers, Architects, Scientists & Fire Investigators

MARK E. WILLIAMS, AIA, NCARB
Architect

PROFESSIONAL EXPERIENCE

2002 to present **Robson Forensic, Inc.**
Associate

Provide technical investigations, analysis, reports, and testimony for failure analysis, and towards the resolution of commercial and personal injury litigation involving slip, trip, and fall injuries, code compliance issues, construction claims, property management issues, construction materials failures, and professional liability. Areas of expertise include:

Premises Liability: Walkway construction and safety; slip resistance, effectiveness of warnings, illumination, delineation of hazards in parking lots, stairs, ramps, corridors; platforms and level changes; walk-off mats; automatic doors.

Building Design and Planning: Building codes and standards; means of egress; unprotected floor openings, guardrails, glass and glazing

Site Design and Planning: Site planning; PUD submittals for zoning; grading and drainage; control of storm water; parking lot design.

Accessibility: Barrier-free standards; Americans with Disabilities Act (ADA); accessible routes; accessible building components, including ramps, entrances, toilet rooms, protruding objects, walking surfaces, curb ramps, signage, and detectable warnings.

Construction Defect Claims: Construction defects and delay claims, contractual obligations and disputes under various types of project delivery methods; standards and quality issues.

Construction Materials Failures: Water intrusion related issues; brick, stone, and concrete; gutter and flashing system failures; roofing system failures; expansion joint failures; sealant and caulk system failures, window system failures.

Security: Site and facility planning; Defensible Space, Crime Prevention Through Environmental Design (CPTED), lighting, CCTV, door hardware, territoriality and surveillance, and perimeter fencing.

Conspicuousness of Hazards: Placement, effectiveness, and illumination of warnings; signage; color and contrast of adjacent materials.

Retail Store Safety: falling merchandise, shelving and product display, improper material stacking and storage, display base hazards.

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Architectural Practice: Standard of Care, Owner-Architect Agreements, General Conditions, errors and omissions, change order analysis, construction phasing, punch lists, and interpreting contract performance.

2002 to present **Fournier, Robson & Associates, LLC**
Architect

Provide specialized architectural services for the evaluation and analysis of building envelope performance and periodic façade inspections including documentation for critical observation reports, local law requirements, historic tax-credit certification, and pre-purchase assessment. Perform arms-length tactile inspections of high-rise building cladding materials, curtain wall systems, and related appurtenances.

2000 to 2002 **Mark E. Williams, Architect, Columbus, Ohio**
Sole Proprietor

Architectural practice with emphasis on commercial and institutional renovation projects involving adaptive reuse. Specialized inspection services included evaluation and analysis of high-rise building façades from suspended scaffolding.

- Liberty Tower Critical Observation Report, Dayton, Ohio - Exterior survey and critical observation of historic 20-story office building. Scope of work involved façade inspection and documentation of conditions requiring repair of masonry and stone, replacement of control joints, caulking failure, mortar replacement, and water intrusion at window systems.
- LeVeque Tower Critical Observation Report, Columbus, Ohio - Exterior survey and critical observation of historic 44-story office building. Scope of work included emergency repairs to exterior terracotta façade and documentation of masonry repair, control joints, caulking failure, mortar replacement, and water intrusion at window systems.
- Highland Headstart, Community Action Organization of Scioto County, Portsmouth, Ohio - Renovation of 25,000 SF elementary school building constructed in 1956 for the City of Portsmouth school system. Scope of work included complete replacement of HVAC system, electric lighting and power distribution, plumbing fixtures and equipment, exterior aluminum windows, new interior doors and hardware, new interior finishes, new commercial kitchen, new fire alarm system, exterior parking lot design and landscaping, ADA compliance and playground equipment.
- Freedom Center Renovation, Ohio Department of Youth Services, Delaware, Ohio - Renovation of existing 12,000 SF pre-release center for juvenile girls located at Scioto Juvenile Correctional Center. Scope of work included complete replacement of HVAC system, electric lighting and power distribution, plumbing fixtures and equipment, new interior doors and hardware, new interior finishes, ADA compliance and mold remediation.

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- Automobile Sales Building, Kelly BMW, Columbus, Ohio – Programming, schematic planning, design development, construction documents, and construction administration for new 5,000 SF pre-owned BMW vehicle showroom and offices. Scope of work included demolition of existing structure, site preparation, concrete foundations, steel frame structure, metal studs, EPDM roof, doors and hardware, aluminum storefront system, EIFS cladding, interior finishes, bathrooms, HVAC system, plumbing fixtures and equipment, electrical lighting and power distribution.
- North Worthington Pet Clinic, Columbus, Ohio - Design and planning for new 5,000 SF veterinarian pet care facility. Scope of work included schematic design of building systems and construction methods, site planning, new topographic survey, zoning application, and evaluation of future growth potential.
- D & J Auto Service, Columbus, Ohio – New 5,000 SF pre-engineered metal building for secure storage of restored antique automobiles, race cars, and rare motorcycles by private collector. Scope of work included concrete foundations, pre-engineered metal building, hydraulic automobile racking system, overhead doors, interior casework and finishes, HVAC system, plumbing fixtures and equipment, electrical lighting and power distribution, and security fencing.
- Office Building, Scioto County Children’s Services, Portsmouth, Ohio – Site planning, schematic design, and feasibility study for new 10,000 SF service facility and administrative headquarters. Scope of work included programming requirements, code analysis, zoning research, site development, preliminary floor plans, exterior elevations and building sections.

1987 to
2001

Short North Development Company, Columbus, Ohio

Property Manager

Resident property manager for three-story 26,000 square foot historic masonry building with 16 residential units and first floor commercial retail space, including secure underground vehicle garage, and exterior parking area.

Responsible for maintaining the premises in a safe condition, enforcing tenant rules to ensure resident compliance with lease agreement, and coordination with contractors performing scheduled maintenance or minor improvements.

Duties included: periodic inspection and routine maintenance, 24-hour assistance for lockouts, towing of unauthorized vehicles, delivery of late notices from property owner, responding to resident complaints and disturbances, minor repairs of building hardware, replacement of interior and exterior lighting, monitoring security doors for proper operation, inspection of vacated apartments, and coordination with county sheriff’s office for evictions.

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1993 to **McKay Williams Architects, Ltd.**, Columbus, Ohio
2000 *Principal Partner*

Eight-person architectural firm; two registered architects, administrative, marketing, and production staff. Project types included correctional, multi-family residential, healthcare, commercial, and special investigation. Specific areas of professional practice included office QA policy and procedure, code research, construction drawings and specifications, cost estimating, scheduling, coordination with consulting engineers, and construction administration. Personal focus was construction documents and construction contract administration.

- Franklin County Courthouse, Exterior Analysis and Repairs, Columbus, Ohio - Exterior survey and critical observation report of 28-story high-rise government office building. Scope of work involved façade inspection and photographic documentation to determine conditions of pre-cast concrete panels, aluminum windows, and sealant joints between dissimilar materials.
- Franklin County Courthouse Annex, Exterior Analysis and Repairs, Columbus, Ohio - Exterior survey and critical observation report of historic 5-story office building. Scope of work involved façade inspection and photographic documentation to determine conditions of limestone and marble panels, aluminum windows, and sealant joints between dissimilar materials.
- Garden Manor Nursing Home, Middletown; Tri-County Nursing Home, Hamilton; Oak Creek Terrace Nursing Home, Kettering; Livingston Care Nursing Home, Dayton - Investigation of four Ohio skilled care nursing home facilities to conduct interior survey and code research in response to citation issued by the Office of State Fire Marshal regarding special locking arrangements for Alzheimer's patients. Scope of work included interviews with Ohio Department of Health supervisors, meetings with local fire department officials, collection of historical fire data, and expert testimony before the Ohio Board of Building Standards public hearing for appeals.
- Best Western Hotel & Conference Center, Springdale, Ohio - Exterior survey and analysis of EIFS façade failure due to water intrusion resulting in extensive interior property damage and mold growth. Scope of work included technical research and preparation of critical observation report for use in litigation.
- Lorain/Medina (50 bed) Community Based Correctional Facility, Elyria, Ohio; West Central (90 bed) Community Based Correctional Facility, Marysville, Ohio; Northwest (50 bed) Community Based Correctional Facility, Bowling Green, Ohio; Stark Regional (88 bed) Community Based Correctional Facility, Canton, Ohio; Eastern Ohio (20 bed) Community Based Correctional Facility, Lisbon, Ohio; STAR (120 bed) Community Justice Center, Franklin Furnace, Ohio.
- Thomas Hall Renovation for Mount Carmel Hospital, Columbus, Ohio; New Care Net Medical Offices for St. Ann's Hospital, Westerville, Ohio; Health Styles Medical Office for Mount Carmel Hospital, Columbus, Ohio; Golden Lifestyles Medical Office for Mount Carmel Hospital, Columbus, Ohio.

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- Canterbury Commons (90 unit) multi-family apartments, Middletown, Ohio; Jefferson Crossing (90 unit) multi-family apartments, Kokomo, Indiana; Chase Crossing (90 unit) multi-family apartments, Logansport, Indiana; Pine Crossing (68 unit) multi-family apartments, Decatur, Indiana; Cambridge Commons (40 unit) multi-family apartments, Cambridge, Ohio.
- New porte-cochere and multi-purpose wing with administration offices and library, Haven Heights Baptist Church, Wauseon, Ohio; Master Plan for 10,000 SF family life center and 1,000-seat worship auditorium with connecting breezeways, Heath, Ohio.
- Muncie 202 (3-story) elderly apartment building, Muncie, Indiana; Downtown Housing Building (5-story), Athens, Ohio; Riverby Condominiums (48-unit), Delaware, Ohio.
- New BMW showroom and sales offices for Kelly Motors, New Albany, Ohio; New home office building for Shared Resources, Columbus, Ohio; Hubbard Building renovation and adaptive-reuse, Sandusky, Ohio.
- Hillandale Care (100 bed) skilled care nursing home, Middletown, Ohio; The Meadows (100 bed) skilled care nursing home, Forest Park, Ohio; Meadow Wood (86 bed) skilled care nursing home, Georgetown, Ohio; Livingston Care (90 bed) skilled care nursing home, Dayton, Ohio.
- Pharmacy and Medical Clinic, Ohio Department of Youth Services, Delaware, Ohio – Renovation of existing classroom and office space to new pharmacy and medical clinic for juvenile boys located at Riverview Juvenile Correctional Center.
- Security Fence and Perimeter Lighting, Ohio Department of Youth Services, Delaware, Ohio – New security fence with proprietary First Defense system, perimeter access road and lighting, and CCTV equipment at Riverview Juvenile Correctional Center.

1989 to **URS Consultants, Inc.**, Columbus, Ohio

1993 *Project Architect*

Large Architectural/Engineering firm serving both corporate and government clients on various high profile project types. Supervised multi-disciplined team during production of construction documents and coordinated related activities throughout construction administration phase. Developed and implemented new company spreadsheets to streamline manpower forecasting, labor hour budget tracking, cost estimating and change order analysis.

- 100,000 gallon salt water aquarium and coral reef for the Columbus Zoo.
- \$3.2 million 35,000 SF medical office building for Grady Memorial Hospital.
- \$4.5 million 45,000 SF assisted living facility for Friendship Village of Dublin.
- Renovation of Scioto Juvenile Correctional Center for Ohio DYS.

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1986 to **John McKay & Associates**, Columbus, Ohio

1989 *Project Architect*

Medium size architectural firm with offices located in Columbus, Ohio and Louisville, Kentucky focusing on lakefront resort condominium design and the healthcare market. Responsible for overall project management including production of construction drawings and specifications, technical product literature, code research, quality control review of office standards, and construction administration phase.

- \$15 million, 195,000 SF lakefront resort hotel complex located in Sandusky.
- 45-unit, 5 story luxury condominium building for *The Harbour* development; 15-unit, 3 story luxury condominium building for *The Harbour* development; 6-unit luxury condominium building for *The Harbour* development.
- 50-room lakefront resort hotel for private development at Catawba Island.
- 60-unit retirement housing and assisted living for private development.

1985 to **Hughes Associated Architects**, Louisville, Kentucky

1986 *Project Architect*

Small boutique firm located in historic carriage house renovated by principal owner. Supervised production of construction documents on multi-unit residential developments and various commercial buildings for local private clients. Directed submission of completed plans to state and local code agencies in permitting phase.

- Renovation and new addition for Home of the Innocents, Louisville, Kentucky
- Numerous multi-family apartment buildings for U.S. Farmers Home Administration constructed across the Midwest and Southeast.

1982 to **U.S. Postal Service, Design & Construction Division**, Louisville, Kentucky

1985 *Architectural Project Coordinator*

Regional Field Real Estate and Building Office (FREBO) responsible for owned and leased facilities throughout Kentucky, Ohio, and Indiana. Performed architectural services as a contract employee for CDI Corporation based in Philadelphia, PA. Prepared construction documents for repairs, improvements, and modifications to existing WPA era buildings. Responsible to secure field measurements and document as-built conditions for preparation of working drawings, written specifications, and cost estimates. Performed management of construction administration phase.

- Overall redesign and production of base NCL documents, Chicago, Illinois.
- Prepared project investigations and site evaluation reports for construction of new owned facilities (NCO), including functional design floor plans and site utilization drawings.
- Design of new leased facilities (NCL) including preparation of working drawings from standard building plans, compiling written specifications, shop drawing review, and administration of the contract for construction.

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- New flashings and roof replacement for main post office, Columbus, Ohio.
- Design of freestanding self-service postal centers and detached post office box units for use in shopping malls. Prepared working drawings for fabrication, specifications, cost estimates, and coordinated work in field for delivery and installation.

1981 to **Godsey Associates Architects**, Louisville, Kentucky

1982 *Architectural Draftsman*

Small architectural firm concentrating on healthcare related projects and corporate restaurant clients. Provided architectural drafting and detailing, code research, and technical product specifications related to numerous light commercial projects.

- Renovation of Kentucky Fried Chicken Restaurant in Times Square, New York.

1976 to **Virginia Polytechnic Institute Learning Resource Center**, Blacksburg, Virginia

1981 *Intern*

College work-study program conducted through the Instructional Development Division of the University Learning Resource Center. Assisted with graphic design, layout and production of audio visual instructional materials for classroom presentation, including 35mm color slides, 16mm film, video/audio cassettes and visual transparencies.

- Cataloged and organized over 3,000 TV commercials for faculty thesis.

1972 to **Bechtel Petroleum Corporation**, Louisville, Kentucky

1976 *Assistant Draftsman*

Large worldwide engineering and architecture firm, preparing details for working drawings in various locations on multi-discipline assignments including architectural, civil, structural, HVAC, instrumentation, mechanical piping, and electrical power and lighting.

- Performed extensive field research, as-built documentation of structures and equipment, and drafting for B.F. Goodrich Plant in Louisville, Kentucky.
- Performed multi-discipline drafting for construction documents on numerous manufacturing plants and factories including Proctor & Gamble.

PROFESSIONAL CREDENTIALS

Registered Architect: Ohio, Indiana, Michigan, New Jersey, North Carolina, South Carolina, Georgia

Inactive status: Kentucky, New York, West Virginia

Certified by the National Council of Architectural Registration Boards (NCARB)

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EDUCATION

Bachelor of Architecture (5 year degree), Virginia Polytechnic Institute & State University, Blacksburg, Virginia, 1981

CONTINUING EDUCATION

“AIA Contracts,” Lorman Education Services, 2011
“Moisture Infiltration,” Titan Continuing Education, 2011
“Risk Management,” Titan Continuing Education, 2011
“Chinese Drywall,” Titan Continuing Education, 2011
“Change Orders,” Titan Continuing Education, 2011
“ADA Course III: Common Errors and Omissions,” Titan Continuing Education, 2011
“Professional Ethics in Design and Building,” Clemson University, Rutland Institute, 2011
“Building Codes in South Carolina,” Lorman Education Services, 2010
“Fundamentals of Construction Contracts: Understanding the Issues,” Lorman Education Services, 2010
“Building Envelope Performance,” Lorman Education Services, 2009
“Construction Law,” Defense Research Institute, 2009
“Building Codes,” Lorman Education Services, 2009
“CPM in Construction Management: Preventing and Measuring Delays,” Lorman Education Services, 2009
“Construction Law Fundamentals,” National Business Institute, 2009
“The Winds of Change? The ConsensusDOCS,” American Bar Association Forum on the Construction Industry, 2008
“Nursing Home/ALF Litigation Seminar,” Defense Research Institute, 2008
“Avoiding Building Code Violations,” National Business Institute, 2008
“Construction Project Management,” National Business Institute, 2008
“4TH Annual Top Gun Construction Claims Program,” Bricker & Eckler LLP, 2007
“Practicing Architecture in Ohio,” HMS Continuing Education, 2007
“What to Do when Construction Projects Go Bad,” Lorman Education Services, 2006
“Construction Claims In Ohio,” Lorman Education Services, 2006
“Building Envelope,” NCARB Monograph Series, 2005
“Forensic Architecture,” NCARB Joint Regional Meeting, 2005
“Curtain Wall Systems: Current Issues and Case Studies,” The Ornamental Metal Institute of New York, 2004
“Improving Building Performance,” NCARB Monograph Series, 2004
“AIA Contracts in Ohio,” Lorman Education Services, 2004
“How Design Documents Can Prevent or Cause Construction Claims,” Lorman Education Services, 2004
“Navigating the AIA Contract Documents,” Lorman Education Services, 1999
“Managing Construction Disputes,” The Cambridge Institute, 1998

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TRAINING

Safety Training for Suspended Scaffold Fall Protection, Eagle Scaffold Consultants, Inc., 2004

CONFERENCES

Symposium on Performance and Durability of the Window-Wall Interface, American Society for Testing and Materials, 2004

MEMBERSHIPS and AFFILIATIONS

American Bar Association Forum on the Construction Industry

American Institute of Architects (AIA)

AIA South Carolina

AIA Charleston

American Society for Testing and Materials (ASTM)

Committee E06: Performance of Buildings

Subcommittee E06.55: Exterior Building Wall Systems

Task Group E06.55.05: Façade Inspection

Committee F13: Pedestrian Walkway Safety and Footwear

Subcommittee F13.50: Walkway Surfaces

Defense Research Institute (DRI) Construction Law Committee

International Code Council (ICC) *formerly known as* Building Officials and Code Administrators International (BOCA)

Community Associations Institute (CAI) – Robson Forensic corporate membership

National Safety Council – Robson Forensic corporate membership

Past Member, Building Owners & Managers Association International (BOMA)

Past Member, Construction Specifications Institute (CSI)