

# 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, construction materials failures, and professional liability.

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.

2000 to 2002 **Mark E. Williams, Architect, Columbus, OH**  
*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 scaffold.

- 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 photographic documentation of conditions requiring repair of masonry and stone, replacement of control joints, caulking failure, mortar replacement, and water infiltration 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 other conditions involving masonry repair, control joints, caulking failure, mortar replacement, and water infiltration 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 paving 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

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equipment, new interior doors and hardware, new interior finishes, ADA compliance and mold remediation.

- 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 permanent and secure storage of restored antique automobiles, race cars, and rare motorcycles by private collector. Scope of work included concrete foundations, pre-engineered metal structure, hydraulic automobile racking system, overhead doors, interior 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, OH**  
*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 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, OH  
2000 *Principal Partner*

Architectural practice located in Grandview area of Columbus for eight years that included two registered architects, one administrative, one marketing and six production staff. Project types involved correctional, multi-family residential, healthcare, commercial, and special investigation. Specific areas of professional practice included office QA policy and procedure, code research, preparation of construction drawings and specifications, cost estimating, coordination with consulting engineers, and construction administration. Personal focus was administration of the contract for construction.

- 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 utilized digital photographic documentation to record 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 utilized digital photographic documentation to record 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 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, 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 moisture intrusion resulting in extensive interior damage and mold growth. Scope of work included industry specific technical research and preparation of critical observation report.
- 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.
- 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 lighting, perimeter access road and CCTV equipment for juvenile boys located at Riverview Juvenile Correctional Center.
- New BMW showroom and offices for Kelly Motors, Columbus, Ohio
- New home office building for Shared Resources, Inc., Columbus, Ohio.

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

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.

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

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.

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- 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 1986 **Hughes Associated Architects**, Louisville, KY  
*Project Architect*

Small boutique firm located in historic carriage house renovated by principal owner. Supervised overall 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, KY.
- Numerous multi-family apartment buildings for U.S. Farmers Home Administration constructed across the Midwest and Southeast.

1982 to 1985 **United States Postal Service, Design & Construction Division**, Louisville, KY  
*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, IL.
- Prepared preliminary 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.
- New flashings and roof replacement for main post office, Columbus, OH.
- 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.

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

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 for numerous light commercial projects.

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

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

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, KY

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.

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

## PROFESSIONAL CREDENTIALS

Registered Architect:

Ohio, Indiana, Kentucky, New York (inactive), West Virginia (inactive), Michigan, New Jersey, South Carolina, North Carolina

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

## EDUCATION

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

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## CONTINUING EDUCATION

- “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
- “4<sup>TH</sup> 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

## 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

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## **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

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)

EXPERT NOT RETAINED