

## PROFESSIONAL EXPERIENCE

2015 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, design-build, adaptive re-use, and professional liability. Areas of expertise include:

**Premises Safety:** Walkway construction and safety; conspicuousness of hazards, effectiveness of warnings, illumination levels, delineation of hazards in parking lots, stairs, ramps, corridors; platforms and level changes, vertical misalignments; walk-off mats; automatic doors; lighting and security; life safety.

**Building Design and Planning:** Building codes and standards; life safety; means of egress; unprotected floor openings, guardrails, stairs and handrails, glazing and storefronts, material selection, construction waste management, lightning protection; fire safety.

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

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

**Construction Materials Failures:** Water intrusion issues; brick, stone, and precast concrete, cast stone, steel lintels; gutter and flashing system failures; roofing system failures; expansion joint failures; sealant and caulk system failures, window system failures, glass and glazing; mitigation of construction defects; roof and wall collapses.

**Athletic Facilities:** Gymnasium; physical education equipment & supplies, health fitness equipment and sport facilities equipment, baseball, basketball, football, hockey, soccer, track and field, bleachers, grandstands, athletic flooring, athletic carpeting, sound absorbing wall units, abuse resistant wall panels, impact resistant glazing.

**Laboratory:** Fume hoods, epoxy countertops and sinks, biological safety cabinets and laminar airflow work stations, solution warming cabinets, washing and sterilizing equipment, manufactured casework; autoclaves, animal cages, nebulizers, centrifuges and burners, hematology systems and analyzers, blood collection and sedimentation tubes, pipettes, lancet devices, diagnostics for diabetes, and coagulation testing.

THOMAS J. LODGE, AIA, NCARB  
Architect

**Medical Facilities:** Renal Dialysis Clinic, biological isolation rooms, patient lifts, nursing stations, medical gases, dialysis systems, specialty mechanical, plumbing, electrical, biomedical and psychiatric spaces including isolation rooms, chemical and biological containment.

**Military Facilities:** Barracks, dining facilities, munitions storage, burn buildings, guard towers, tactical shooting ranges, blast protection, force protection, ammunition storage, defensive barriers, bunkers, detention and interrogation facilities.

**Performing Arts:** Auditorium and stage; orchestra, balcony, proscenium, lecture hall; lighting and sound equipment, fly tower, fly space, catwalks and metal grating, acoustics modeling, background noise, reverberation time, sound absorption of materials, audience comfort, sight lines, stadium seating, speech intelligibility.

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

**Road and Streetscape:** Retail kiosks, building storefronts, street cafes, site and street lighting, street furniture, bicycle racks, planters, traffic control, parking lots, cashier booths, pedestrian crosswalks, pedestrian traffic coatings, tactile markings, curbs, gutters, fencing, stone and brick paving, banners and awnings, storm-water control.

**Security:** Perimeter security fencing, site and security lighting and traffic control, entry and service gates, Sally ports, detention doors, sliding metal fire doors, access flooring, kennel enclosures, metal buildings, raceways, CCTV surveillance.

**Supply, Maintenance and Distribution Facilities:** Loading docks, dock levelers, work platforms, forklifts, scissor lifts, ship ladders, overhead doors, truck and vehicle turning radii, wire mesh partitions, demountable metal partitions.

**Sustainable Design:** Mineral fiber acoustical ceiling panels, pre-consumer and post-consumer recycled content, waterless urinals, rainwater harvesting, reclaimed lumber, Core-10 steel, vegetated roofs, sunshades, daylight harvesting, dimmable lighting, swamp cooler, evaporative cooling.

**Project Delivery Methods:** Design-Bid-Build, Construction Management Multi-Prime, Construction Management-at-Risk, Construction Management as Owner's Agent, Design-Build, Fast-Track, partnering, contractual obligations and disputes.

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

THE EXPERTS  
**Robson Forensic**

THOMAS J. LODGE, AIA, NCARB  
Architect

- 2015 to present     **Fournier, Robson & Associates, LLC**, Charleston, South Carolina  
*Associate*  
Provide specialized architectural services for the evaluation and analysis of architectural condition assessments of existing buildings, including, but not limited to, architectural design, building commissioning, building envelope performance, façade inspection and documentation, codes and standards compliance, and accessibility & facility safety.
- 2014 to 2015     **BES Design-Build, LLC**, Charleston, South Carolina  
*Senior Architect & Project Manager*
- Senior Architect and Project Manager; Manager of Architectural Services for Charleston area office specializing in A/E design services for Department of Veterans Affairs Medical Centers.
  - Architectural, civil, structural, mechanical, electrical, and plumbing work for renal dialysis, police and security deficiencies, bio-medical, outpatient clinics, abatement for asbestos and lead based paint, mechanical, electrical, and life safety upgrades.
  - Representative Projects include:
    - Ralph H. Johnson VA Medical Center, Charleston, South Carolina
    - Wm. Jennings Bryan Dorn VA Medical Center, Columbia, South Carolina
    - Carl Vinson VA Medical Center, Dublin, Georgia
    - Salem VA Medical Center, Salem, Virginia
    - Fayetteville VA Medical Center, Fayetteville, North Carolina
- 2012 to 2014     **Vavra Law, P.C.**, Charleston, South Carolina  
*Business Manager*  
Performed drafting and editing of client agreements, financial worksheets, and affidavits; implemented and managed IT infrastructure and software, business system set-up, billing and archiving systems, and marketing.
- 2008 to 2013     **Amec Foster Wheeler**, Kabul, Afghanistan  
*Senior Principal Architect & Master Planner*
- Community and Facility Architect with responsibility for coordinating Afghan National Police facilities including master planning and fielding projections, acquisition schedules, and cost estimates to serve new and expanded units.
  - Conducted Master Planning, facility programming, site facility studies, design and bid document development for site and building construction, and managed Afghan and U.S. engineering teams for projects and clients.
  - Representative Projects include:
    - Afghan National Police and Fire Training Academies, Kabul, Afghanistan
    - Ministry of Interiors HQ Compound, Kabul, Afghanistan
    - Ministry of Defense Headquarters Building, Kabul, Afghanistan
    - National and Regional Logistic Centers, Maydan Shahr, Afghanistan
    - Afghan National Police Surgical and Medical Clinics, Kabul, Afghanistan

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Architect

2007 to **Rhodes/Dahl, LLC**, Charleston, South Carolina

2008 *Project Manager & Owner's Representative*

- Partnered with Owner/Client to establish and advocate project goals, managed current and projected real property assets and developed site/building costs.
- Negotiated and prepared contracts. Managed bidding process, administered construction contracts and provided construction administration services.
- Representative Projects include:
  - David and Lucile Packard Foundation, Los Altos, California
  - International African American Museum, Charleston, South Carolina
  - Naples Botanical Garden, Naples, Florida

2006 to **The I'On Group, LLC**, Mount Pleasant, South Carolina

2007 *Director, I'On Design-Build*

- Established, staffed, and managed operations for in-house architectural design and production office for design-build developer. Managed construction administration and oversight including Design Review Board, construction documents review, and cost evaluations for new construction and renovations.
  - Neo-Traditional Planned Communities with Single-Family Residences; Covenants and restrictions, easements, vegetative buffers, common areas; community amenities, clock tower, gates, picket fencing, club house, pools, tennis and basketball courts; walking trails and service alleyways.
  - Materials: roof shingles; asphalt and slate, batten seam sheet metal roofing, wood windows, gypsum plastering, Portland cement plastering, ceramic tile, wood doors, lpe decking, preservative-treated wood framing and decking, decay-resistant wood subflooring, autoclave aerated concrete blocks, cementitious wood fiber decks, fiber cement clapboard siding and trim.

2003 to **Newman Architects, LLC**, New Haven, Connecticut

2006 *Senior Project Architect, Project Manager, Senior Associate*

- Directed and coordinated outside consultants and internal teams. Designed and organized project documents including drawings, specifications, and reports.
- Negotiated and prepared contracts. Managed bidding process, administered construction contracts and provided construction administration services.
- Representative Projects include:
  - New Dormitory, Trinity International University, Deerfield, Illinois.
  - Retail display casework, food service equipment, walk-in coolers and freezers, non-slip flooring, acoustical ceilings, rolling security grilles, unit kitchens, traction and hydraulic elevators, laundry chutes, trash compactors, fire-suppression, standpipes, glazed curtain walls, aluminum windows.
  - Yale University Bookstore, New Haven, Connecticut. Renovation and restoration for tenant fit-out; thermal and acoustic insulation, aluminum storefront, exterior insulation and finish systems (EIFS), fluid-applied membrane air barriers, overhead coiling doors and grilles.
  - Troup Pre-K-Grade 8 Public Magnet School, New/Renovation – New Haven, Connecticut

THOMAS J. LODGE, AIA, NCARB  
Architect

- 1997 to 2003     **Centerbrook Architects and Planners, LLC**, Centerbrook, Connecticut  
*Senior Architect & Project Manager*
- Directed and coordinated consultants and internal teams for projects including: master planning, higher education, medical clinics, laboratories and science buildings, high-end residential, business, life safety, and sustainable design.
  - Negotiated and prepared Contracts. Managed bidding process, administered construction contracts and provided construction administration services.
  - Representative Projects include:
    - Laboratory Plant-Genetics Research Center, Cold Spring Harbor, New York.
    - NOLS: National Outdoor Leadership School, Noble Hotel Renovation and New International Headquarters Administration Building, Lander, Wyoming.
    - Sports Center, Div-1 Hockey and Basketball Arenas, Quinnipiac University, Hamden, Connecticut.
- 1989 to 1997     **Newman Architects, LLC**, New Haven, Connecticut  
*Project Architect & Team Architect*
- Directed and coordinated consultants and internal teams for projects. Designed and organized project documents including drawings, reports, and specifications.
  - Representative Projects include:
    - Richard's Department Store, Greenwich, Connecticut.
    - Broadway District Rehabilitation, New Haven, Connecticut.
    - Greenwich Academy, Greenwich, Connecticut.
    - New Haven Veterans Memorial Coliseum, American Hockey League, New Haven, Connecticut

**PROFESSIONAL CREDENTIALS**

Registered Architect: Florida, South Carolina, North Carolina, Tennessee, Alabama, Arkansas, Georgia, Louisiana, Mississippi, Virginia

Inactive status: Connecticut

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

Green Globe Professional (GGP)

OSHA-10 Certified

U.S. Army Corps of Engineers Construction Quality Management Certified (CQM)

Certified Operator of the English XL Variable Incidence Tribometer (CXLT slipmeter)

Certified Playground Safety Inspector (CPSI)

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Architect

## EDUCATION

Masters of Business Administration, Barney School, University of Hartford, West Hartford, Connecticut, 2006

Bachelor of Architecture (5-year professional degree), Syracuse University, Syracuse, New York, 1989

Syracuse University International Study Programs:

Waseda University, Tokyo, Japan

Faculti di Architettura a Firenze, Florence, Italy

## REPRESENTATIVE CONTINUING EDUCATION

"A Second Look: Update on Visual Literacy," Campbell Institute and the National Safety Council, 2019

"The Rise of Temporary and Pop-Up Architecture," Architectural Record and Vectorworks, 2019

"Refresher Ethics: Steering Clear of Witness Minefields," ABA Webinar, 2018

"Formal Floor Inspections - Are They Worth It," Claims and Litigation Management Alliance (CLM) Webinar - Retail, Restaurant, & Hospitality Community, 2018

"2017 Advanced Florida Building Code - Building Changes Overview," Architects Parti, 2018

"2017 Advanced Florida Building Code - Residential Changes Overview," Architects Parti, 2018

"Serious Injury and Fatality Prevention: Perspectives and Practices," Campbell Institute and the National Safety Council, 2018

"Visual Literacy for Safety," Toledo Museum of Art, Campbell Institute, and the National Safety Council, 2018

"Designing Safe, Code-Compliant, Residential Stairways," Stairbuilders and Manufacturing Association, 2018

"Residential Balustrade Design and Specification Utilizing Common Stair Parts," Stairbuilders and Manufacturing Association, 2018

"Elements of Resilient Stair and Handrail Systems," Stairbuilders and Manufacturing Association, 2018

"Hazard Recognition," National Safety Council and the Health and Safety Institute, 2018

"One the Level: Walking and Working Surface Safety," National Safety Council and the Health and Safety Institute, 2018

"Slips Trips and Falls: Step up to Safety," National Safety Council and the Health and Safety Institute, 2018

"Slips, Trips, & Falls," National Safety Council and the Health and Safety Institute, 2018

"Why Buildings Fail - Errors During the Construction Phase," NCARB Professional Development Program, 2018

"Understanding the Architect's Standard of Care," NCARB Professional Development Program, 2018

"Bathroom Design - The Differentiating Factor," Architectural Record Continuing Education Center, 2018

"ADA, Building Codes, and Standards Relating to Handrails and Guards," Architectural Record Continuing Education Center, 2018

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"Flooring Design with Acoustics in Mind," Architectural Record Continuing Education Center, 2018

"Defining Performance in Flooring - Acoustics, Ergonomics, and Safety," Architectural Record Continuing Education Center, 2018

"Design by Law," Architects Parti, 2018

"ADA Accessibility Routes," Architects Parti, 2018

"Risk Management for Design Professionals," Carlock, Copeland & Stair, LLP, 2017

"Designing for Accessibility under ADA Standards and IBC," HalfMoon Education, 2017

"Extreme Building Solutions," Garland University, 2017

"2014 Advanced Florida Building Code," Architects Parti, 2016

Workshop on the Multifactorial Analysis of Slip and Fall Events - Implications for Forensic & Safety Professionals, ASTM F13 Pedestrian-Walkway Safety and Footwear Committee, American Society for Testing and Materials (ASTM), 2016

"Shopping for Trouble - Detecting and Mitigating Pedestrian Accident Risks in Retail Parking Lots," Claims and Litigation Management Alliance (CLM) Webinar - Retail, Restaurant, and Hospitality Community, 2016

ABA Forum on Construction Law - Conference, 2016

"Designing with Continuous Insulation for Thermal and Moisture," Architectural Record Continuing Education Center, 2016

"The Benefits of a Performance-Based Design Process," Architectural Record Continuing Education Center, 2016

"Risk Management for Design Professionals," Carlock, Copeland & Stair, LLP, 2016

"The Evolution of North American Playgrounds," Architectural Record Continuing Education Center, 2016

"How to Design Playgrounds for Optimal Sensory Development," Architectural Record Continuing Education Center, 2016

"Safety in the Gym - Specifying Equipment to Protect Users and Spectators," Architectural Record Continuing Education Center, 2016

"Creating Safer Spaces in Healthcare," Architectural Record Continuing Education Center, 2016

"Universal Design and Meeting the Needs of an Aging Population," Architectural Record Continuing Education Center, 2016

"The Intersection of Universal Design and Sustainable Living," Architectural Record Continuing Education Center, 2016

"The Leading Edge on Safety is Engineered from the Ground Up," Architectural Record Continuing Education Center, 2016

"Construction Quality and Safety- Reducing Rework While Achieving Zero Incidents and Accidents," Architectural Record Continuing Education Center, 2016

"Code-Compliance Conflicts in the Exterior Wall Assembly," Architectural Record Continuing Education Center

"Controlling Moisture in Masonry," Architectural Record Continuing Education Center

"Best Value Practices for the Building Envelopes," Garland University, 2016

"How to Work with an Expert in Mediation: Practice Tips from the Mediator, Expert, and Lawyer," ABA Alternative Dispute Resolution Committee, 2015

"Prevention Through Design: Promising or Perilous?" ABA Forum on Construction Law, T. Michael Toole, 2015

ABA Forum on Construction Law - Construction ADR (Alt Dispute Resolution) Summit, 2015

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Architect

“Understanding Construction Claims,” RedVector Continuing Education, 2015  
“Hurricane Damage: Wind vs. Water Determination,” RedVector Continuing Education, 2015  
“Countermeasure Strategies for Pedestrian Safety,” USDOT Federal Highway Administration, 2015  
“Floodplain Design: Construction and Impacts on Flood Insurance,” ICC-ES for Smart Vent Products, 2015  
“The Hidden Risk of Green Buildings: Avoiding Moisture and Mold Problems,” NCARB Professional Development Program, 2015  
“Building and Designing for Security,” NCARB Professional Development Program, 2015  
“Accommodations for Seniors,” NCARB Professional Development Program, 2015  
“Security Features in Revolving Doors,” Hanley Wood University, Architectural Record, 2015  
“Toxic Mold: Managing the Legal & Insurance Risks,” RedVector Continuing Education, 2015  
“Tort Liability & Risk Management - Bicycle and Pedestrian Design,” RedVector Continuing Education, 2015  
“Contractor Lawsuits Against Design Professionals,” RedVector Continuing Education, 2015  
“Design & Construction Claims,” RedVector Continuing Education, 2015  
“Professional Standard of Care - Proof & Defense,” RedVector Continuing Education, 2015  
“Sleuthing the Mundane and the Catastrophic,” Architectural Record Continuing Education Center, 2015  
“Seismic Activity in South Carolina,” College of Charleston, 2014  
“Hurricane Mitigation: Design and Construction Lessons,” RedVector Continuing Education, 2014  
“Post Disaster Recovery and Reconstruction,” RedVector Continuing Education, 2014  
“Green Globe Professional”, Green Building Initiative, 2014,” RedVector Continuing Education, 2014  
“LEED v4 for Healthcare Facilities,” RedVector Continuing Education, 2014  
“Coastal Engineering: Tsunami,” RedVector Continuing Education, 2014  
“Impacts of the 2010 ADA Guidelines,” RedVector Continuing Education, 2014  
“Fair Housing Accessibility V2,” RedVector Continuing Education, 2014  
“ADA Guidelines 2010: Recreational Facilities,” RedVector Continuing Education, 2014  
“ADA Guidelines 2010: Accessible Routes,” RedVector Continuing Education, 2014  
“ADA Guidelines 2010: General Site and Building Elements,” RedVector Continuing Education, 2014  
“ADA Guidelines 2010: Building Blocks,” RedVector Continuing Education, 2014  
“ADA Guidelines: Achievable Barrier Removal and Accessibility (B),” RedVector Continuing Education, 2014  
“OSHA 10-Hour Construction Program [V14.1],” RedVector Continuing Education, 2014  
“A Case Study for Contemporary Architecture in Charleston,” AIA-SC, 2013  
“Redefining Good Design,” AIA-SC, 2013  
“The Modern Modular,” AIA-SC, 2013  
“Architectural Education + ARCHITECTURE,” AIA-SC, 2013  
“Which One?,” AIA-SC, 2013  
“When Old is New Again: Reflections from the Left Coast,” AIA-SC, 2013  
“Disaster Assistance Evaluator Training,” AIA-SC, 2013  
“Multi-story Wood-frame Structures – How to Build Bigger and Taller,” Woodworks, Wood Products Council, 2013



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Architect

“Project Work Planning,” AIA, 2013  
“Understanding your Environment,” Woodworks, Wood Products Council, 2013  
“Project Delivery Methods,” AIA, 2013  
“Dynamics of Mixed-Income Communities,” AIA, 2013  
“Accounting 101 for Project Managers,” AIA, 2013  
“Connection Solutions for Wood Framed Structures,” Woodworks, Wood Products Council, 2013  
“Life Cycle Assessment of Building Products,” McGraw Hill Construction, Continuing Education Center, 2013  
“Seismic and Wind Restraints,” McGraw Hill Construction, Continuing Education Center, 2013  
“More Than One Way to Skin a Building,” McGraw Hill Construction, Continuing Education Center, 2013  
“Indoor Air Biofilters,” McGraw Hill Construction, Continuing Education Center, 2013  
“Operable Glass Walls,” McGraw Hill Construction, Continuing Education Center, 2013

#### **MEMBERSHIPS & AFFILIATIONS**

American Bar Association (ABA)  
Forum on Construction Law  
Litigation Section  
Construction Litigation Committee  
American Institute of Architects (AIA)  
AIA South Carolina  
AIA Charleston  
American Society for Testing and Materials (ASTM)  
Committee F13: Pedestrian Walkway Safety and Footwear  
Associated General Contractors of America (AGC) of America  
Carolinas AGC  
Claims and Litigation Management Alliance (CLM)  
Construction Committee  
National Safety Council – Robson Forensic corporate membership  
Stairbuilders and Manufacturing Association (SMA)

THOMAS J. LODGE, AIA, NCARB  
Architect

**GOVERNMENT, TASK FORCE, and ACADEMIC PARTICIPATION and EMPLOYMENT**

*South Carolina State Guard*, Assessment Officer, Engineering Detachment – Captain

*Atkins Global*, Berkeley County, South Carolina

Disaster Relief monitoring and FEMA documentation.

*Brickyard Plantation, Property-Owners' Association* – Mount Pleasant, South Carolina, and *The I'On Village, Property-Owners' Association* – Mount Pleasant, South Carolina

Architect for the Design Review Board; review and processing of design and construction applications, policies, procedures, and systems.

*Historic District Commission* – Guilford, Connecticut

Architect Commissioner for the Design Review Commission; review and processing of design and construction applications. Managed development of design standards and guidelines.

*Paier College of Art, Inc.*, Adjunct Professor; lecturer in building design, architectural planning, and computer drafting.