THE EXPERTS
Robson Forensic

WILLIAM E. J. MARTIN, AIA, NCARB
Architect

AREAS OF EXPERTISE

Premises Safety: slips, trips, falls; stairways, ramps, walkways; fall protection, guards and handrails; walkway safety, walk off mats; codes and standards, egress, accessibility; operations and maintenance; retail, restaurant, institutional; furniture, fixtures, equipment; parking lots and parking structures

Building Failures: water intrusion, above grade and below grade waterproofing; building systems design and execution; material selection, substitute materials; drainage, foundation settlement; maintenance related failures; walls, roofs, cladding; hazardous material contamination, fungus, insect damage; excavation, expansive soils

Building Systems and Equipment: design build systems, mechanical, electrical, plumbing systems; temporary and permanent elevators; sitework, site development, utilities and utility connections, soil treatments; pilings, underpinning, shoring, footings, foundations, structural fill; structural systems, post tensioned and cast-in-place concrete, steel, wood ; envelope systems, roofing, flashing, windows, storefronts; doors, windows, hardware; interior and exterior finishes; commercial kitchen equipment; alarms, security systems, facilities monitoring systems, mechanical controls

Construction: delays, claims analysis, CPM scheduling, cost analysis, quantity takeoffs; construction coordination, trade work; design errors and omissions, unforeseen and changed conditions; temporary facilities, temporary access, ladders, hoists, hatches, temporary railings, and scaffolds; subcontractor disputes; inspections and testing

Workplace Safety: construction site safety; material handling/equipment operation, forklifts; housekeeping; protection of the general public and adjacent property; industrial facilities safety; equipment access and maintenance; worker training, fall protection, confined space, trenching, shoring

Professional Practice: project and design coordination; design standards of care and code compliance; architectural practice, construction management, construction contracting; specifications, submittal reviews, construction administration; construction quality control; inspections, punch lists; permitting, agency inspections, certificates of occupancy

Code Compliance: building code analysis, Americans with Disabilities Act, zoning and land use codes, fire codes, electrical codes; coordination between applicable codes and other design standards; energy code requirements and their influence on weather resistance and envelope design

Identification of Hazards: safety plans, standards of care for maintenance of safe facilities and workplaces; warnings, standards for signage, colors, contrast between materials and conditions

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PROFESSIONAL EXPERIENCE

2009 to present **Robson Forensic, Inc.**
Associate
Provide technical investigations, analysis, reports, and testimony towards the resolution of commercial and personal injury litigation involving: workplace safety, maintenance, premises liability, construction in progress, completed construction, time and economic claims, workmanship, component failure, code compliance, and personal injury accidents.

2007 to present **Chipman & Martin LLC**
Managing Member; Construction Manager
Construction management consultant providing a complete range of construction management capabilities for project owners, architects, and contractors. Primary focus upon urban mixed-use projects with additional involvement in other commercial and public sector construction projects. Construction document review for constructability and schedule feasibility. Alternate structural system analysis for cost benefit and durability. Cost estimating and budget tracking. Scope change analysis and costing. Detailed schedule creation, analysis, and updates.

2004 to 2009 **Aecon Buildings Inc.**, Lynnwood, WA
Project Manager
Reviewed construction documents for constructability, produced and maintained detailed construction schedules, tracked costs against budgets, and managed ongoing contractual changes in scope. Led project site safety efforts including scheduling safety director and WSHA informational site visits. Suggested alternate design solutions in response to potential construction and durability issues.

2002 to 2004 **American Home Builders**, Bellevue, WA
Project Manager
Performed preconstruction, value engineering, conceptual and contract estimating, and project management. Detailed estimate preparation at all phases of design for budget tracking purposes. Reviewed contract documents for constructability and durability issues, and priced alternate construction methods for immediate review and owner decisions. Suggested and implemented soil stabilization techniques to allow ongoing construction in moisture sensitive soils during the rainy seasons. Reviewed technical submittals for conformance to applicable standards and contract documents. Created and maintained detailed project schedules.

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1999 to 2002 **Mego Construction**, Bellevue, WA
Senior Project Manager
Oversaw estimating and project management activities. Instituted project financial controls and coordinated project financial controls with ongoing budget and scope change management. Wrote estimating database coordinated with project managerial costing system, allowing accurate schematic estimates and simplifying accounting duties. Estimating database included technical and cost analyses for alternative building techniques and details. Drove the creation of a successful safety program including membership in ABC RETRO program. Reviewed project requirements and incorporated technical requirements into subcontracts. Created and maintained detailed project schedules.

1992 to 1999 **ECI General Contractors** (formerly Eberharter Construction), Seattle, WA
Estimator; Project Manager
Estimated and managed diverse public sector projects. Prepared detailed hard bids and tracked project costs against bid amounts. Managed ongoing scope change against the original bid and contract documents. Prepared detailed estimates and schedule analyses for project changes. Developed in-house computerized scheduling and estimating capacity. Analyzed technical submittals for conformance with contract documents and inspected ongoing construction as part of overall contract quality control management.

1990 to 1992 **Self-employed**
Designer/Contractor/Carpenter
Projects included residential remodels and public art (Fremont Troll). Performed all aspects of company management, architectural and interior design, rough and finish carpentry, and other construction trades work. Hired and coordinated specialty subcontractors.

1988 to 1990 **Soltner Group** and **Weisenbach Inc.**
Designer/Drafter
Design and drafting in an established architectural setting. Projects ranged from single-family houses to hospitals and Alzheimer's care facilities.

1985 to 1987 **Goshow Associates**, New York
Job Captain
Prepared detailed construction documents including technical detailing and specifications. Provided construction analysis for work within existing structures of various ages and construction types.

1983 to 1984 **Edward F. Knowles, AIA**, New York
Designer/Drafter
Responsible for producing contract documents for TI and residential projects.

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PROFESSIONAL CREDENTIALS

Registered Architect: Alaska, Arizona, Arkansas, California, Colorado, Delaware, Florida, Hawaii, Idaho, Illinois, Indiana, Kansas, Louisiana, Maryland, Massachusetts, Michigan, Missouri, Nevada, New Mexico, North Carolina, Oregon, South Dakota, Texas, Utah, Virginia, Washington
Certified by the National Council of Architectural Registration Boards (NCARB)
Certified XL Tribometrist
City of Tukwila (WA) Approved Rental Housing Inspector (approved 3/22/2012)
Credentialed Building Safety Assessment, Disaster Service Worker – FEMA Volunteer
Emergency Assessment Responder
EPA Certified Lead Renovator
Fall Protection and Scaffolding Competent Person
Washington Association of Building Officials (WABO), Building Safety Emergency Responder
Confined Space Competent Person
Certified Erosion and Sedimentation Control Lead, expired
Certified Playground Safety Inspector

EDUCATION

Master of Business Administration, University of Washington evening program, 1999
Master of Architecture, University of Washington, 1990
Bachelor of Arts, Yale University, 1982

Continuing Education
Design for Net-Zero Energy and Carbon, Part 4: Elemenets of Net-Zero Carbon Building
Design for Net-Zero Energy and Carbon, Part 3:" Elements of Net-Zero Energy Building, 2026
Design for Net-Zero Energy and Carbon, Part 2: What Does Net-Zero Mean?, 2026
Design for Net-Zero Energy and Carbon, Part 1: Defining Energy and Carbon, 2026
Understanding the Architect's Standard of Care, 2026
Designing to Model Nature: Applying the Concepts of Biomimicry, 2026
Barrier-Free Design and the 2010 ADA Standards, 2026
Building Envelope Materials, 2026
Subsurface Conditions Part 1: Basic Concerns, Design Information, & Division of Responsibilities, 2026
Subsurface Conditions Part 2: Soil Properties, Behaviors, Classification, & Identification, 2026
Subsurface Conditions Part 3: Foundations & General Site Development, 2026
Subsurface Conditions Part 4: Site Development Considerations & Management of Site Materials, 2026
Preventing Access Failures: 6 Tips for Construction Teams, 2026
Mold and Moisture Prevention Part 1: Key Issues Related to Mold and Moisture Intrusion, 2026
Mold and Moisture Prevention Part 2: Schematic Design, 2026
Mold and Moisture Prevention Part 3: Design Development, 2026

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Mold and Moisture Prevention Part 4: Final Design, Construction, Postconstruction, and Assessment, 2026
The History of the Building Envelope: An Archeology of Separation, 2026
Godzilla & King Kong: CA & the ADA in 2026. Volume 1: What You Must Know as..., 2026
Godzilla & King Kong: CA & the ADA in 2026. Volume 2: Accessible Routes, 2026
Godzilla & King Kong: CA & the ADA in 2026. Volume 3: Parking Spaces, 2026
Godzilla & King Kong: CA & the ADA in 2026. Volume 4: Toilet Rooms, 2026
Godzilla & King Kong: CA & the ADA in 2026. Volume 5: Doors, Protruding..., 2026
ASTM International F2508 Participant of the Super ILS (Independent Laboratory Study) for Slip Resistance Measurements, 2024
Designing to Mitigate Wildfire Damage to Residential and Commercial Buildings, 2024
Designing to Mitigate Flood Damage to Residential and Commercial Structures, 2024
Climate Action Part 2: Leading on Climate Action Through Adaptation and Mitigation, 2024
Climate Action Part 1: Leading on Climate Action for a Positive Future, 2024
Architecture for Disaster Relief, 2024
California Building Code Division 2: Accessibility, 2024
Moving Toward Net Zero, 2024
Florida Building Code 8th Edition: Advanced Course, 2024
Right to the City: Equity, Sustainability, and Single-Family Zoning, Part 2, 2023
Right to the City: Equity, Sustainability, and Single-Family Zoning, Part 1, 2023
Designing Adaptive Kitchens for Active Aging Clients, 2023
A Planning Guide for Accessible Restrooms, 2023
Considerations for Accessible and Inclusive Design in Commercial Restrooms, 2023
What's in your Tool Bag? 2023
Codes - ICC and the differences in each state, 2023
Personal Protection Safety! 2023
Codes – ICC and ANSI – how do they relate? 2023
How to spot and detect - Heat loss and Water Intrusion, 2023
What's behind the wall or in the pipe? 2023
Head Form – Equipment for Testing the Surface Under Playground Equipment That Can Cause Head Injuries, 2023
Slips - ASTM F2508 - ANSI/ASSE A-1264.3–2007, 2023
WAsafe BSE Refresher Course, 2023
SAP Online Evaluator Refresher Training, Cal OES, January 2023
Indoor Air Quality for Architects: Design Buildings to Promote Health and Wellness, Course 1: Indoor Air Quality Overview, December 2022
Building Envelopes Part VIII: Responsive Building Envelopes, December 2022
Building Envelopes Part VII: Building Envelope Case Studies, December 2022
Building Envelopes Part VI: Complex Geometry and Fluid Forms, December 2022
Building Envelopes Part V: Advanced Energy Strategies, December 2022
Florida Building Code 7th Edition: Advanced Course, November 2022
Coatings Issues: Corrosion of Metal, November 2022
Building Envelopes Part IV: Envelope Performance, November 2022
Building Envelopes Part III: Material Selection, November 2022

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Building Envelopes Part II: Design Perception and Construction Methods/Systems, November 2022
Building Envelopes Part I: History and Types, November 2022
Client Pressure and the Duty of the Architect, November 2022
Carbon Accounting: Terminology and Metrics Part 1, November 2022
8 Hour Refresher Training in Lead Renovator, August 2022
Where Your Steel Comes From, and Why it Matters, June 2022
Life Cycle Assessment of Concrete Buildings, June 2022
Wind Forces Part II: Wind Effects on Buildings/Procedures for Wind-Resistant Design in Practice, March 2022
Designing Healthy and Productive Workspaces and Buildings, December 2021
Accommodating Shrinkage in Multistory Wood-Frame Structures, December 2021
Energy Concerns: Roofs, Windows, Doors, and Skylights Architecture, December 2021
Barrier-Free Design and the 201- ADA Standards, December 2021
Starting from the Bottom, November 2021
Simplifying the ADA, November 2021
Integrated Security Access Solutions for Mixed-Use Properties, October 2021
Design Considerations for Security Glazing and Systems in Education, Retail, Institutions, and Beyond, October 2021
In Pursuit of Acoustical Equity (print course), October 2021
Rethinking Acoustics (print course), October 2021
Architectural Acoustics Illustrated Part IV: Noise Control: Sound Isolation Principles and Airborne Measures, October 2021
Architectural Acoustics Illustrated Part III: Room Acoustics, October 2021
Architectural Acoustics Illustrated Part II: Room Acoustics Qualities, October 2021
Architectural Acoustics Illustrated Part I: Basic Theory and Sound Absorption, October 2021
Window Code Fundamentals 20, January 2021
The Sustainability of Synthetic Materials used for Decking, Trim, and Patio Projects, December 2020
Roofing Options: Alternative Roofing Systems, December 2020
Reducing Fire Risk at the Perimeter of High Rise Structures, December 2020
Mineral Wool Insulation Application: Considerations and Specification Standards for Fire Performance, December 2020
Introduction to Metal Roofing Fundamentals, December 2020
Integral Hardening Admixture for Wear-resistant Concrete, December 2020
High-performing, Resilient Wood-framed Roofs, December 2020
Engineered Wood Siding: A Sustainable Selection that Stands the Test of Time, December 2020
Testing, Certification, and Installation of Commercial Roofing Products that Meet Thermal, Fire, Wind, and Impact Standards, December 2020
Building Acoustics: Making Architects Visions a Reality, December 2020
Pre-finished Steel Roofing for Residential and Light Commercial Buildings, May 2020
Texas Accessibility for Restrooms, PDH Academy, May 2020
Texas Accessibility Update, PDH Academy, May 2020

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Acoustic Considerations and Door Systems in Healthcare, Hospitality, Education, and Office Facilities, December 2019
CA Building Code Division 2: Accessibility, December 2019
Advanced Rainscreen Design for Moisture Management, November 2019
Texas Accessibility Update, December 2018
A Comparative Analysis of Residential Heating Systems, November 2018
Air Sealing for Architects: Tightening up Multifamily, November 2018
The Environmental Impacts of Building Materials: Comparing Concrete, Steel, Wood, and Asphalt, November 2018
Monolithic Acoustical Drywall Ceilings, November 2018
Security Planning and Design Part 7: Security and Emergency Operations, November 2018
The Anatomy of an Asphalt Shingle, November 2018
Solving Moisture Issues with Rapid Drying Concrete, November 2018
Integrated Air and Water Barrier System, November 2018
Architectural Acoustics Illustrated Part VII: Noise Control; Mechanical System Noise, November 2018, December 2020
Architectural Acoustics Illustrated Part VI: Noise Control; Impact Noise and Community Noise, November 2018, December 2020
Architectural Acoustics Illustrated Part V: Noise Control; Background Noise, Door and Window Sound Isolation, November 2018, December 2020
Architectural Acoustics Illustrated Part IV: Noise Control; Sound Insolation Principles and Airborne Measures, November 2018
High Performance Joint Sealants and Understanding the Technology and Specification Considerations, November 2018
Better and Best Moisture Management: Drainable Wraps and Rainscreens, November 2018
Floor Surface Treatments, November 2018
Waterproofing and Protection of Vehicular and Pedestrian Traffic Surfaces, November 2018
Waterproof Coatings for High Rise Construction, November 2018
Flooring: Design Considerations and Material Selection for Health, Safety and Welfare, September 2018
EPA Lead Renovator Certification, November 2017
Accessibility in the Public Realm - Spend a Day in My Wheelchair, November 2017
Observations from an Accessibility Inspector, November 2017
Universal Design in Single-Family Homes, November 2017
Universal Design in Multi-Family Homes, November 2017
The Evolution of Continuous Insulation, October 2017
Introduction to Architectural Acoustics, October 2017
Architectural Acoustics Illustrated Part III: Room Acoustics, October 2017
Intelligent Design for Code Compliant Bathing Facilities, October 2017
Sound Control in Architecture: Sound Transmission & Isolation for Wall, Ceiling & Floor Systems, October 2017
Architectural Acoustics Illustrated Part I: Basic Theory & Sound Absorption, October 2017
Architectural Acoustics Illustrated Part II: Room Acoustics Qualities, October 2017
Why Buildings Fail, October 2017

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A Holistic Examination of Wall Assembly Performance in Multi-Family Construction, October 2017
Complete Wall Systems: Maintaining Continuous Insulation and WRBs at Transitions, October 2017
Slips, Trips, and Falls International Conference, Toronto, Canada, June 2017
Sessions Completed:

- Demographic Risk Factors and Falls
- Characterizing Falls in Public Environments
- Current Issues in Tribometer Use and Validity
- Preventing Falls in Winter
- Assessing Environmental Risk of Slips and Falls
- Preventing Falls in Bathrooms and Other Wet Environments
- Considerations of Flooring, Surfaces, and Footwear in Fall Prevention
- Innovations in the Management of Falls in Advanced Dementia
- Preventing Falls in the Workplace
- Pushing the New Boundaries of Slip and Fall Investigations
- Updates from the UK Slip Resistance Group
- Fall Simulation to Improve Safety

OSHA's Final Rule on Walking-Working Surfaces and Personal Fall Protection Systems, December 2016
Emerging Building Envelope Solutions You Can Use Today, December 2016
Improving Building Performance Part I: Building Performance and Post Occupancy, NCARB, November 2016
Accommodations for Seniors, NCARB, November 2016
Improving Building Performance Part V: Investigative Post-Occupancy Evaluation Case Study, NCARB, November 2016
Designing and Constructing High-Performance, Low-Risk Building Envelopes, September 2016
California Architect Continuing Education Five Hour Disabled Access Course, August 2016
Labor Shortage Solution – Specifying a Factory-Made Roofing Membrane, June 2016
The Leading Edge on Safety is Engineered from the Ground Up, June 2016
Roofing and Waterproofing Forensics for the 21st Century, February 2016
Infrared Thermography, February 2016
Heavy Construction Equipment Basics – Lifting, November 2015
Titles II and III: Construction Compliance with the ADA, November 2015
More Than Mold - Health Effects Associated With Mold and Water Damage, November 2015
Seismic - Wood Diaphragm Design for Out of Plane Wall Anchorage, November 2015
Commissioning of Building Systems, November 2015
Introduction to ASHRAE 90.1-2010: Energy Standard for Buildings Except for Low Rise Residential Buildings, November 2015
ASHRAE 100: Energy Efficiency in Existing Buildings, November 2015
The Architect's Challenge – Designing the Best Wall for the Project, September 2015
Excavation and Trenching Competent Person and Confined Space Competent Person Training, June 2015

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ASTM Workshop on Impact of Moisture in the Built Environment: Prevention, Evaluation, Response and Due Diligence, April 2015
Managing Moisture with Breathable Membranes, March 2015
Cracking the Codes II, NCARB, November 2014
Cracking the Codes I, NCARB, November 2014
Performance of Buildings – Symposium on Exterior Insulation and finish Systems (EIFS): Performance, Progress and Innovation, ASTM, New Orleans, LA, October 2014
Bamboo Flooring and Beyond, 2013
Irrigation Practices for Commercial and Residential Sites, 2013
Wind Power Today, 2013
Ethical Decision Making for Design and Construction Professionals, 2013
Post Disaster Recovery and Reconstruction Webcast, 2013
Sustainable Urban Design: High Speed Rail, 2013
OSHA Concrete and Masonry Construction, 2013
OSHA Cranes, Derricks, Hoists, Elevators & Conveyors, 2013
Air Quality: U.S. Air Trends, 2013
Preventing and Investigating Accidents, 2013
OSHA Underground Construction, 2013
Building Performance, ASTM Seminar, 2013
Introduction to Incident Command System, FEMA ICS-100, Emergency Management Institute, 2012
The 50% Advanced Energy Design Guide for Small to Medium Office Buildings, AIA National Convention, 2012
Fundamentals of Construction Contracts: Understanding the Issues, 2012
Cold Regions Engineering, University of Washington, 2012
Sellen LEED Associate Workshop, 2012
USACE QCM Training, 2012

PROFESSIONAL ASSOCIATIONS AND AFFILIATIONS

American Institute of Architects (AIA)
American Society of Safety Professionals
ASTM committees
D08 Roofing and Waterproofing
E06 Building Performance
E34 Occupational Health and Safety
E60 Sustainability
F13 Pedestrian/Walkway Safety and Footwear
F15 Consumer Products
F1637 Standard Practice for Safe Walking Surfaces, technical contact 2017-2024
University of Alabama, Huntsville - STF International Conference, 2026
Slips, Trips, and Falls (STF) Abstract Reviewer
Bullfinch Fund Board of Directors
Technical Inspector, Washington Motorcycle Road Racing Association, 2009-2013
Licensed New York City taxi driver, 1982-1984

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PUBLICATIONS

"Construction Site-Adjacent: Hazards, Injuries, and Safety, Washington State Bar Association's Construction Law Newsletter, Volume 47, Spring 2018

Construction Site Adjacent Injuries; Trial News, Volume 49-9, May 2014 (Published by Washington State Association for Justice)

INVITED SPEAKER

Dissecting, Evaluating, and Resolving Construction Disasters, CLM Annual Conference, Palm Desert CA, March 24, 2022

DRI, Construction Law Litigation Trial Skills Demonstration, Plaintiff's Expert Witness, Las Vegas, Nevada, 2019

Air Barriers: What Are They, What Do They Do and How Do You Foul Them Up? WDTL Annual Construction Law Update, Presented with Stan Jaworski, P.E., Seattle, WA, March 4, 2016

Premises Security Standard of Care and Code Considerations, Nevada Justice Association, Las Vegas, NV, September 2015

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