

SYLVIA B. DEYE, AIA, NCARB, LEED AP
Architect, Safety Expert

PROFESSIONAL EXPERIENCE

2018 to present **Robson Forensic, Inc.**
Associate

Provide technical investigations, analysis, reports, and testimony toward the resolution of commercial and personal injury litigation. Areas of expertise include:

Building Design and Planning: Land development, facility planning, zoning, building codes and standards, accessibility, storm water management, means of egress, parking lots, pedestrian / bicycle infrastructure, and loading docks.

Building Failures: Foundation cracking, settling or failures, water intrusion, fungal growth, insect damage, roof and wall failures.

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

Building Systems: Plumbing, sprinklers, alarms, lighting, interior air quality, wood/coal stoves, chimneys & flues.

Building Safety: Codes and standards, lighting levels/uniformity, glass and glazing, floor & wall surfaces & openings, retail displays, food services, guard rails.

Security: Site and facility planning, fences and gates, lighting, hardware and devices, signage.

Trip and Stumble Accidents: Vertical misalignments, stairs, platforms and single risers, walking surfaces, walk-off mats, sloped areas and gratings.

Special User Requirements: Universal design for elderly, child and barrier-free standards for accessibility for persons with disabilities.

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

2003 to present **Dimensional Architecture P.C.**
Principal Architect

Providing architectural services for all phases from zoning and planning, master planning, facilities and building assessment maintenance reports, leading into design, permits and construction. Projects have ranged from retail centers, tenant fit out, school buildings with multiple primes, theaters, modular construction, single family homes and urban residential renovations, industrial facilities, bakeries, residential, restaurants, office renovations and facilities planning, private school campus wide renovations from the dormitories to the gymnasium, pharmacy, daycare centers, playground surface renovations, hair salons, and

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campground restrooms with showers. QCit – providing quality control review of construction documents for constructability and coordination.

2014 to
2015

Barton Partners

Project Manager

The review and team management of large scale multi-family housing in New Jersey and single family development projects in New York and Pennsylvania with club houses, gathering rooms, and offices. Work also encompassed restaurants and stand-alone fast food establishments on building out-lot pads.

2001 to
2004

Fedetz & Martin Associates

Architect

Lead Architect Designer and manager for the Reading Office. Responsible for all phases from zoning and planning, master planning, facilities and building assessment maintenance reports, feasibility studies including inspection and documentation of electrical, mechanical and plumbing systems creating complete as-built of the ADA compliance and security systems, leading into design, coordination of all engineering disciplines permits and construction. Projects have ranged from retail centers, tenant fit out, school buildings, banks, corporate facilities renovations, Elderly and skilled nursing centers, industrial and explosion outbuildings, housing authority renovations and code upgrades for elderly centers and multi-family housing, lift installations, public gym facilities for both managed and 24 hours non-managed use centers, public utility service centers, car rental centers, doctor offices, high rise housing renovations and code compliant upgrades. Onsite inspections for, facilities, flat and pitched roofs, lightning rod installations, sidewalk and curb cuts for housing authority complexes.

2001

McIntyre, Batchelor and Capron

Architect

Design and management of high end large custom homes, developer houses and 4-story multi-family housing complexes.

1998 to
2001

Oz Architecture

Architect

Lead Project Manager for large teams and fast track projects. Responsible for the implementation of the schematic design into design development, construction documentation design and coordination of all engineering disciplines and construction for ski resorts in Colorado and California including the site and master planning development of the exterior facility from parking to ski lifts, slope water and drainage run off and pedestrian/bicycling paths and circulation of the entire site. Low high-rise condominiums included below grade parking garages, retail, club rooms, hot tub areas indoor and outdoor, locker rooms, storage areas, restaurants, and pedestrian bridges. Construction detailing of a New York state park educational center. Responsible for the schematic design into design development for a vacation condominium resort with a multi floor parking garage, located in Florida.

THE EXPERTS Robson Forensic

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1993 to **CLC Associates**

1997 *Project Architect*

Lead architectural design and coordination of all engineering disciplines for large retail centers. Projects located in California, Washington, Oregon, Utah, Idaho, Montana, Kansas and Colorado. Involvement included site and master planning design, storm water mitigation and detention systems, out lot building pads and parking lot configurations. Schematic building design to construction documents and construction of core and shell and tenant fit outs for a variety of large retail establishments including small tenant fit outs from clothing stores, loading docks, trash removal systems, restaurants, offices, and banks. Corporate facilities upgrades and renovations, extended stay hotel franchise, Multi complex movie theater. Responsible for office files, library, and cad standard implementation.

1987 to **Fedetz & Martin Associates**

1993 *Designer Intern*

Responsible for the design and drafting of housing authority projects, juvenile detention center, women's detention center, auditorium renovations, Farm labor worker housing renovations in existing urban row homes renovations to meet code compliance.

Summer **Luis Rufo Construction, Pennsylvania**

1989 *Rough Framer*

Construction of two story homes with attached garage, decks, steps and railings. Framing and standing walls, nailing floor substrates, setting stairs, joist bridging installation, hangers and hurricane straps, rim boards, floor joists, added blocking where needed. Some finish work such as moldings and trim.

Summer **Port of Rock Hall Marina**

1987 *General Help*

Retail salesclerk, pool maintenance, restroom and locker room maintenance, boat fuel service for sailing boats and motor boats. Maintenance and rental of large sail boats while living on a sailboat.

PROFESSIONAL CREDENTIALS

Registered Architect: Colorado, Connecticut, Delaware, District of Columbia, Florida,
Maryland, New Jersey, Ohio, Pennsylvania, South Carolina, Texas, Virginia, West Virginia

LEED AP

Certified Safety Assessor

ASCA-C Professional

Certified XL Tribometrist

TRIAXTouch Surface Impact Tester

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PROFESSIONAL MEMBERSHIPS

American Institute of Architects (AIA) since 1987
National Council of Architectural Registration Boards (NCARB) since 1987
American Society of Safety Professionals (ASSP)
Past AIA Eastern PA President
American Society for Testing and Materials (ASTM)
 E-06 Performance of Buildings Committee
 F-12 Security Systems and Equipment
 F-13 Pedestrian Walkway Safety and Footwear
HOA Strawberry Village Colorado board member (past experience)
Daniel Boone School Board Member (Past experience)

CERTIFICATIONS

Certified Playground Safety Inspector
NICA Certified Level 3 Mountain Bike Coach
High School and Middle School Mountain Biking Team Director since 2016

EDUCATION

Master of Architecture with Honors, University of Illinois, Urban/Champagne, 1992
B.S. Architecture, Spring Garden College, Philadelphia, PA, 1990

CONTINUING EDUCATION

“Review of Structural Materials & Methods for Home Building in The U.S.”, PDH Academy, December 2021
“IBC Code Mapping for Architects”, PDH Academy, December 2021
“Phenolic Panels for Durable Wall Coverings and Cladding”, BNP Media, December 2021
“Improving Concrete Durability with Crystalline Technology”, BNP Media, December 2021
“Moisture Management Fundamentals”, BNP Media, December 2021
“Back to the Office: Making the Workspace Healthy and Appealing”, BNP Media, December 2021
“Making Passive House Standard”, AIAU, December 2021
“Stucco: Rainscreen, Codes and Standards”, BNP Media, December 2021
“Zinc as a Building Envelope”, BNP Media, December 2021
“Controlling Moisture Movement in Buildings: The Complete Approach”, AEC Daily Corporation, December 2020
“Inclusive Playgrounds: Designing Spaces to Bring Children & Communities Together”, AEC Daily Corporation, December 2020
“Making the ADA Accessible”, AIA CES, April 2020
“Preparing Code Compliant Construction Documents”, AIA Florida, April 2020
“Floodplain Design, Construction and Impacts on Flood Insurance”, AIA Florida, April 2020

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- “Life Safety Plans: Graphics and Codes”, AIA Florida, April 2020
- “How Artificial Intelligence can Enhance Life and Safety”, AIA, December 2019
- “The Evolution of Mid-Rise Design: Increasing Opportunities with Wood,” Woodworks, 2019
- “Design Considerations for Multi-Story Podium Projects,” Woodworks, April 2019
- “Roofing and Waterproofing Forensics,” BNP Media, February 2019
- “Advanced FBC, the 6th Edition (2017) Florida Building Code-Building (ADV) (HSW),” Pace PDH, December 2018
- “Under-Slab Vapor Retarders / Barriers: Restricting Moisture Infiltration,” AEC Daily Corporation, December 2018
- “Structural Design of ICP for Municipal Streets and Roadways,” AEC Daily Corporation, December 2018
- “Aluminum Composite Material (ACM): Sustainable Materials and Processes,” AEC Daily Corporation, December 2018
- “Polyiso CI for Code-Compliant Walls in Type V and Residential Construction,” AEC Daily Corporation, December 2018
- “Zinc Building Envelopes: Sustainable Architectural Metal,” AEC Daily Corporation, December 2018
- “Entrance Flooring Systems: Design with the Elements in Mind,” AEC Daily Corporation, December 2018
- “Green Building Entrances: Mats and Gratings that Perform,” AEC Daily Corporation, December 2018
- “Accessibility and Detectable Warning Systems: Complying with Current Government Guidelines,” AEC Daily Corporation, December 2018
- “Managing the Legal and Practice Issues of BIM,” Berkley Design Professional, April 2018
- “Synergy of Glass and Building Envelope,” Kolbe and Kolbe Millwork Co. Inc., February 2018
- “Sustainable Waterproofing Solutions/DE-A,” AEC Daily Corporation, December 2017
- “Performance Benefits of Insulated Metal Panels,” AEC Daily Corporation, December 2017
- “Cellulose Insulation: The Versatile and Sustainable Solution,” AEC Daily Corporation, December 2017
- “Acrylic Foam Tape for Structural Glazing and Architectural Panel Applications,” AEC Daily Corporation, December 2017
- “Commercial Restroom Design: Sanitary, Accessible, Durable, and Water-Efficient,” AEC Daily Corporation, December 2017
- “Elevated Outdoor Flooring Systems for Stone and Tile,” AEC Daily Corporation, December 2017
- “Color in Healthcare Environments: Evidence-Based Design Strategies,” AEC Daily Corporation, December 2017
- “Advanced Florida Building Code 5th Edition (2014) Accessibility,” The Media Factory, December 2016
- “Glass Performance for Today’s Building Codes and Designs,” Kolbe and Kolbe Millwork Co, Inc., August 2016
- “Tour of the Cardinal Float Glass Plant in Portage, Wisconsin,” Kolbe and Kolbe Millwork Co, Inc., August 2016

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- “Universal Design in a New Normal,” Kohler Co., August 2015
- “Hollow – Core Plank,” Oldcastle Precast, Inc., July 2015
- “Acoustics in Architecture,” InfoComm International, July 2015
- “Black or White Membrane. What is the Sustainable and Energy Efficient Choice?” Carlisle Construction Materials, June 2015
- “Crack Control in Concrete Masonry Walls,” National Concrete Masonry Association, July 2015
- “Architectural Anchoring Solutions,” Halfen USA Inc., May 2015
- “Prepainted Architectural/Structural Metal Roofing,” Englert, Inc., May 2015
- “ICC/IBC 2012 & A117.1-2009: Requirements for Type A and Type B Dwelling Units and Fair Housing Requirements,” AIA Philadelphia, March 2015
- “Fire Joint Framing and Protection,” ClarkDietrich Building Systems, March 2015
- “Designing for Residential and Light Commercial Project with Insulated Siding Technology,” Hughes and Associates, February 2015
- “Reinforced Brick Masonry,” Brick Industry Association, February 2015
- “Fiberglass Composite Windows in Multi-Family Housing,” Marvin Windows and Doors, January 2015
- “Florida Building Code 2010: Highlights and Changes,” PDH Academy, December 2014
- “Understanding and Evaluating Performance Characteristics of Wood, Fiberglass and Steel Entry Door Systems,” Hughes and Associates, November 2014
- “Aluminum Composite Material – Modern Architectural Cladding,” 3A Composites, November 2014
- “Landscape and the Development Process – Site Preservation Sustainment,” Langan Engineering and Environmental Services, Inc., November 2014
- “Continuous Insulation, New Model Energy Codes,” Parex USA, Inc., October 2014
- “Sustainable Site Development and Regenerative Design: The Role of the Site/Civil Engineer,” Langan Engineering and Environmental Services, Inc., October 2014
- “Continuous Wall Bracing by the 2009-2012 Code,” Weyehaeuser, October 2014
- “Residential Framing for Green Building Certification,” Weyehaeuser, October 2014
- “1-hr/Sliding Doors in a Means of Egress: Recent Changes,” Won-Door Corporation, September 2014
- “Accessibility Code Changes for Pennsylvania,” CSI Pennsylvania/Central Section, March 2013
- “Advanced FBC Water Intrusion Issues,” AIA Florida, February 2013
- “2012 IBC Significant Changes,” International Code Council (ICC), March 2012
- “Preventing Water Penetration,” Brick Industry Association, November 2011
- “Advancements in Modular Construction,” Modular Building Institute, June 2007
- “IBC 2006 Code Review Seminar,” AIA Eastern Pennsylvania, May 2007