

Robson Forensic

Engineers, Architects, Scientists & Fire Investigators

LAWRENCE C. DINOFF, A.I.A., NCARB
Architect

FACILITY FAILURES & PROPERTY DAMAGE EXPERIENCE

1989 to **Robson Forensic, Inc.**

present *Associate*

Provide technical investigations, analysis, reports, and testimony for failure analysis, and towards the resolution of commercial and personal injury litigation. Investigations at a wide variety of facility types of:

Design & Planning: Land development; Facility planning; Zoning; Building codes & standards; Stormwater controls; Parking lots; Loading docks; Accessibility.

Building Failures: Cracking/Settling/Collapse; Water intrusion; Fire/Smoke damage; Fungal growth; Insect damage; Roof/Wall failures; Heating System/Flue; Electrocutions, Fires, Noise control; Vibration damage.

Operations & Maintenance: Operating and Safety Programs; Inspections; Maintenance; Warnings and Signage; Floor Finishes & Traction; Spilled Materials; Snow & Ice Control; Fixtures & Furniture; Hazardous Material Abatement; Weed Control; Insect Control/Damage; Automated Control Systems.

Building Systems: Plumbing/Supply/Waste; Sprinklers; Alarms; Lighting; HVAC equipment & controls; Interior air quality; Wood/coal stoves; Chimneys & flues.

Building Safety: Codes and standards; Lighting levels/uniformity; Glass and glazing; Floor & wall surfaces & openings; Scaldings; Retail displays; Food services.

Security: Site and facility planning; Lighting; Mechanical controls; Hardware and devices; Signage.

Furniture and Equipment: Chairs; Tables; Electrical receptacles; Moving equipment; Playground equipment; Swimming pools; Dance floors; Material handling.

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PREMISES SAFETY EXPERIENCE

1989 to **Robson Forensic, Inc.**

present *Associate*

Provide technical investigations, analysis, reports, and testimony for failure analysis, and towards the resolution of commercial and personal injury litigation. Investigations at a wide variety of facility types of:

Slip Accidents: Characterization/measurement of anti-slip characteristics of wet and dry floor surfaces; Floor finishes and materials; Walkways; Parking lots; Stairs, Ramps, Pool surrounds, Footwear.

Trip, Stump and Stumble Accidents: Vertical misalignments, Stairs; Platforms and single risers, Gratings.

Kinesiology and Biomechanics: Body movements and imparted forces during walking, tripping, slipping and diving.

Special User Requirements: Elderly; Handicapped; Childproofing.

Building Safety: Codes and standards; Lighting levels/uniformity; Loading docks; Glass and glazing; Floor & wall surfaces & openings; Scaldings; Retail displays.

Security: Site and facility planning; lighting; mechanical controls; door hardware selection and maintenance.

Housekeeping and Maintenance: Wet floors; Warnings; Sweep logs; Floor finishes and application, Walk-off mats; Weed control; Repairs.

Conspicuousness of hazards: Effectiveness of warnings; Color; Placement; Illumination; Signage.

Furniture and Equipment: Chairs; tables; electrical receptacles; Moving Equipment; Playground equipment; Swimming Pools; Dance Floors.

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1985 to **Lawrence Dinoff Associates, Inc.**, architectural designers and consultants.
1993 *President*

Expertise in all phases of a wide variety of facility types including: restaurants; retail space; office buildings; industrial and research facilities; commercial properties of all types; single and multi-family residential; historic restoration; planned communities.

Wide range of post-construction services including energy auditing, analysis of structural, roofing, window, wall, and system failures, and forensic consulting.

1980 to **Haines Lundberg Waehler, Architects, Engineers, and Consultants, NYC**
1985 *Associate* involved in all phases of numerous projects involving design, planning, and post-construction consulting services.

1978 to **Pratt Institute Center for Community and Environmental Development** in
1979 Brooklyn, New York. Architectural and planning services.

EDUCATION

B.Architecture, Pratt Institute, 1979

B.S. Mechanical Engineering, Rensselaer Polytechnic Institute, 1970

“ASTM Workshop on Conducting Periodic Facade Inspections,” April 29, 2011

“The Solar Energy Course for Architects,” 2010

“IEBC Fundamentals,” 2009

“English XL Variable Incidence Certification,” (Equipment Calibrator), 2008

“IRC Fundamentals,” 2007

“How Design Documents Can Prevent or Cause Construction Claims,” 2006

“Contract Documents A201,” 2006

“Professional Licensing For Architects,” 2006

“AAADM Certified Inspection Program,” 2004; Certified AADM Inspector,
American Assn. of Automatic Door Manufacturers

“Fundamentals of the 2003 IBC,” 2004

“Biomechanics of Slips and Falls,” 2003

“Symposium on Metrology of Pedestrian Locomotion and Slip Resistance,” 2001

“English XL Variable Incidence Certification,” (proctor) 2001

“Managing Snow & Ice Control Operations,” University of Wisconsin, 1999

“The Role of Warnings and Instructions,” University of Wisconsin, 1999

“Security Glazing, Impact Resistant Windows and Systems,” BETEC, NIBS, 1998

“National Playground Safety Institute,” Playground Safety Inspector Course, 1997,
2000, 2001, 2005, 2009

“Human Factors and Ergonomics Society, Annual Meeting,” 1996

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- “International Symposium on Slip Resistance: Interaction of Man, Footwear, and Walking Surface,” ASTM, NIST, 1995
- “Fire Arson Detection,” Pittsburgh Department of Public Safety, 1995
- “Crime Prevention through Environmental Design,” American Institute of Architects, 1993
- “Parking Lot Design,” University of Wisconsin, 1993
- “Educational Workshop on Building Safety,” Georgia Institute of Technology, 1992

Additional Continuing Education (short-courses, on-line study and monographs):
Specifying Wood Windows and Doors; Maple Athletic Floors; Designing With Daylight; Maintaining Security; Wetlands for Managing Runoff; Gypsum Floor Underlayments; Urethane Millwork; Natural Ventilation; Curved Ceiling Systems; Key Spec Criteria for Walls/Ceilings/Floors; Specifying Abuse Resistant Wall Systems; Acoustical Privacy; Roofing ; Facade Engineering; Acrylic Block; Plumbing Sensor Technology; UL Directory: Fire-Resistant Assemblies; Unitized Systems: Curtain-Wall Design; Controlling Movement Stress in Partitions and Ceilings; Vinyl Windows; Acoustics in Architectural Design; Designing for Occupant Comfort; Building Parking Structures; Urban Infrastructure ; Daylighting; High Performance Windows & Doors; Why Buildings Fail; Cracking the Codes I and II; Building Envelope; Senior Living

PROFESSIONAL CREDENTIALS

Registered Architect: Pennsylvania, New Jersey, Massachusetts, Illinois (inactive), Maryland, New York (inactive), North Carolina, Delaware, District of Columbia, Virginia
Certified by the National Council of Architectural Registration Boards
Certified Playground Safety Inspector/National Recreation and Park Association
Certified XL Tribometrist

MEMBERSHIPS and AFFILIATIONS

American Institute of Architects
A.I.A. Liaison Member to American National Standards Institute (ANSI), 2000
Pennsylvania Society of Architects
National Institute of Building Sciences/Building Enclosure Technology and Environment Council (BETEC); RCC's: Heat Air and Moisture; Existing Building Enclosures
American Society for Testing and Materials Committees:
E-06 on Performance of Buildings

- E6.25 Whole Buildings and Facilities

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- E6.41 Air Leakage and Ventilation Performance
- E6.56 Performance of Railing Systems and Glass for Floors and Stairs
- Task group: Practice for Design and Performance of Supported Glass Walkways

F-12 on Security Systems and Equipment

F-13 on Pedestrian/Walkway Safety and Footwear (Officer)

- F13.10 Traction
- F13.50 Walkway Surfaces (Vice Chair)
- F13.90 Executive
- [F13.91](#) Editorial and Terminology (Chairman)
- Technical Contact for ASTM F1637, Standard Practice for Safe Walking Surfaces
- Technical Contact for ASTM F1646, Standard Terminology Relating to Safety and Traction for Footwear

F-15 on Consumer Products

- F15.09 Home Playground Equipment; F15.29 Playground Equipment for Public Use; F15.36 Soft-Contained Play Systems; F15.44 Play Equipment for Children Under Two
- F15.15 Wallcoverings
- F15.22 Toy Safety
- F15.23 Auditorium Seating
- F15.38 Window Fall Prevention
- F15.42 Furniture Safety
- F15.47 Fire Ladders
- F15.56 Shopping Carts

C-21 on Ceramic Whitewares and Related Products

- C21.01 Editorial and Terminology
- C21.06 Ceramic Tile

Human Factors and Ergonomics Society Technical Groups:

Environmental Design; Safety; and, Visual Performance

National Fire Protection Association (NFPA) International

American Society of Safety Engineers (ASSE)

National Safety Council – Robson Forensic corporate membership

Past Member, Lancaster County Land Use Advisory Committee; Design Task Force; and Housing Task Force

Past Chairman, Strasburg Borough Planning Commission

PRESENTATIONS and PUBLICATIONS

“Safety in Restored and Renovated Buildings” (Presenter), Central Pennsylvania Preservation Society, 2011

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Walking your property to prevent falls, “Hotel and Restaurant Loss Prevention & Risk Management Newsletter,” April 2011, Volume IV, Issue 2

“Architectural Best Practices for Preventing Slips Trips and Falls” (Presenter) ASSE Slips Trips and Falls Virtual Symposium, 2009

“IBC Seminar” (Moderator); “Life Safety and Egress Requirements” (Presenter), Lorman IBC Seminars, 2007, 2008, 2008, 2009

Display Hook Injuries to Children, “By Design,” American Society of Safety Engineers, 2007

EXPERT NOT RETAINED