



Jorge F. Porter

Architect

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EXPERIENCE

Mr. Porter contributes specialized knowledge and broad expertise in the fields of international architecture and construction management to the field of construction analysis. He is a licensed architect in California and Mexico. Mr. Porter had ten years of architectural and construction management experience in Mexico, and ten years of architectural and project management experience in southern California, before joining Bert L. Howe & Associates, Inc.

During his tenure at Grupo I.C.A. in Mexico, Mr. Porter provided construction management and supervision of two major public projects. He supervised the construction of the "Subway Metro Linea 4" in Mexico City, and was the project manager for bridge construction in Cancun.

As a licensed architect in Mexico, Mr. Porter was Director of Design and Planning for Grupo Mexicano de Proyectos, S.A. de C.V. In this capacity, he directed design and planning for residential, commercial, industrial, recreational, and cultural projects. Given consideration that architects in Mexico are typically empowered with broader jurisdictional and discretionary responsibilities, Mr. Porter was directly involved in comprehensive construction management activities, from inception to completion, and project close-out.

In addition to his architectural and construction management practice in Mexico, Mr. Porter held the position of Associate Professor of Design at the La Salle University, Mexico City.

In 1986, Mr. Porter continued his architectural career in the United States with MacLarand Vasquez & Partners, Inc. He was an associate in the commercial division of this firm, and coordinated the



preparation of construction documents for several projects. Subsequent to the MV&P experience, Mr. Porter assumed the position of land planner with Land/Plan Design Group. This firm specialized in providing residential planning services, as well as residential and commercial landscape design. He then became a job captain with Arakelian/Corstram Architects, and was involved in several projects, including school and commercial building projects.

In 1988, Mr. Porter attained his architectural license in the state of California, and became a senior project manager for Burke-Lester & Associates, Architects. He serviced and maintained the firm's largest commercial account, and assumed project responsibility for the design and construction coordination of several high-density residential planning and design projects. Working with a team of four to eight specialists, and a consultant team varying in size from six to sixteen, Mr. Porter spearheaded the planning, design, consultant coordination, and interagency coordination for approximately 1,500 residential units in Aliso Viejo, California. He was also a member of a specialized team that master-planned and designed the 1,200-unit One Park Place residential project in Irvine. This project consisted of a one million-square-foot, multi-level, subterranean parking garage with six residential buildings on top of a structural podium slab.

Mr. Porter continued his high-density residential specialty with Jones & Martinez, Architects, in Los Angeles, California. The design portfolio of this firm further refined the high-density product type through the design and development of several urban infill projects. These projects were underwritten with a federally-funded housing assistance program, and the design parameters of these projects dictated maximum product yield on highly restrictive lots. Further, this type of development typically dictated subterranean garages and multi-level unit configurations above grade. As Project Architect, Mr. Porter directed the land planning approval process; bidding, negotiation, and selection of the professional consultants; interagency approvals, including local, county, state, and federal agencies; project design; construction document preparation; and construction observation services.

AREAS OF SPECIALIZATION

At Bert L. Howe & Associates, Inc., Mr. Porter provides team leadership in the investigation, analysis, testimony, and related activities of construction defect investigation. He develops destructive testing protocol, and directs those activities when required. He provides thorough documentation of existing conditions and failure analysis. Mr. Porter attends and directs expert meetings, and provides extensive research as pertaining to building code interpretation and alternative repair scope. He provides analysis of architectural and related construction documents for code compliance verification and professional standard of care. Mr. Porter prepares repair scope and related backup documentation. He participates in mediation and provides expert testimony. He has been designated as an expert for international personal injury and construction defect cases.



AREAS OF SPECIALIZATION *(continued)*

Mr. Porter provides detailed design review and contractor performance studies that accurately reflect design intent, related details, and performance specifications for residential, commercial, and/or public construction projects. He also provides comparative analyses of design details vs. in-situ observed conditions. Mr. Porter reviews design professional contracts, general conditions of the contract, project specifications, architectural addenda, and supplemental instructions, as well as RFI processing, Change Order Request, and Product Submittal documentation.

During the pre-inspection phase, Mr. Porter reviews plaintiff defect allegation claims, and prepares detailed inspection checklists that accurately reflect the upcoming inspection protocol. Further, he directs BHA staff during onsite inspections, and monitors the progress of data collection and related photo and database observed condition documentation. Mr. Porter assumes a lead position in directing destructive testing protocols, and coordinates with the destructive testing contractor prior to, during, and up through finish restoration activities.

Mr. Porter prepares and updates observed occurrence database files, and inserts links to evidential photos that demonstrate the observed conditions pertaining to specific defect allegations. He also prepares rate of occurrence matrices and related inspection documentation.

Mr. Porter provides analyses of plaintiff-proposed repair protocols, and develops detailed alternate repair scope protocols that serve to effectuate a proper repair for the subject condition in a cost-effective manner. Further, he prepares logistical repair protocols that maximize the efficiency of the repair effort.

Mr. Porter is proficient in the preparation and development of specialized SB 800 evidence protocols and processing. He is also proficient in several different industry standard and proprietary software applications, including Microsoft Office, image databases, and others.

DESIGN, CONSTRUCTION TECHNOLOGY, AND FORENSIC EXPERIENCE

- ▣ Single Family Type V Residential Design and Construction
- ▣ Multi-Family Type I, II, III, IV, and V Design and Construction
- ▣ Commercial Type I, II, III, IV, and V Design and Construction
- ▣ Public Project Design and Construction
- ▣ Preparation and Analysis of Scope of Work Documents
- ▣ Construction Logistics Sequencing and Scheduling
- ▣ Project Monitoring Protocols



DESIGN, CONSTRUCTION TECHNOLOGY, AND FORENSIC EXPERIENCE *(continued)*

- ▣ Onsite Supervision and Oversight
- ▣ Comparison of Design Intent vs. As-Built Conditions
- ▣ Onsite Evidence Collection Protocols
- ▣ Photo Documentation of In-Situ Conditions
- ▣ Failure Analysis Documentation
- ▣ Repair Scope Preparation
- ▣ Visual Inspection Protocols
- ▣ Intrusive Inspection Protocols
- ▣ Destructive Testing Protocols
- ▣ Prepare Responses to Plaintiff Allegations
- ▣ Visual and Destructive Testing Leadership and Coordination
- ▣ Window Installation Standards
- ▣ Moisture Intrusion Analysis
- ▣ Sheet Metal Component Interface and Performance
- ▣ Interior Finishes Installation Standards
- ▣ Exterior Plaster Standards
- ▣ Ceramic Tile Installation Standards
- ▣ Window Performance Standards and Testing Protocol
- ▣ Curtainwall Performance Standards and Testing Protocol
- ▣ Product Liability/Methods and Materials Standards.
- ▣ BHA Working Document Maintenance
- ▣ Quantity Survey Preparation
- ▣ Rate of Occurrence Documentation
- ▣ Federal, State, and DoD Project Experience
- ▣ Public Utility Projects
- ▣ Infrastructure Development and Coordination
- ▣ Tenant Improvement Construction
- ▣ Owner's Representative and Client Coordination Services
- ▣ Professional Consulting Coordination
- ▣ Construction Management Forms and Applications
- ▣ Scope of Work Documentation
- ▣ Construction Schedule Preparation
- ▣ Monitor Subcontractor Performance



DESIGN, CONSTRUCTION TECHNOLOGY, AND FORENSIC EXPERIENCE *(continued)*

- ▣ Project Closeout Protocols
- ▣ Constructability Analysis
- ▣ Product Submittal Coordination
- ▣ Requests for Information Coordination
- ▣ Coordination with Architectural, Structural, and MEP Consultants
- ▣ Coordination with Governing Authorities
- ▣ Forward Planning and Entitlement Coordination
- ▣ Contract Document Preparation and Administration
- ▣ Alternative Construction Technology Applications
- ▣ Product Performance Criteria
- ▣ Analysis of Property Drainage Issues
- ▣ Standard of Care Analysis
- ▣ Water Damage and Mold Damage Analysis
- ▣ Building Code Compliance and Interpretation
- ▣ International Code Criteria
- ▣ ICBO, ASTM, and NER Product Performance Standards
- ▣ Construction Document Review and Analysis
- ▣ Construction Specification Analysis
- ▣ Construction Detail Coordination Analysis
- ▣ Comparison of Design Intent vs. As-Built Conditions
- ▣ Construction Specifications Analysis
- ▣ Properties of Materials Standards
- ▣ Software Development and Implementation
- ▣ Cost Analysis of Alternative Repair Protocols
- ▣ Subcontractor Analysis and Apportionment
- ▣ Flooring Systems and Tile Installation
- ▣ Below-Grade Waterproofing System Performance Standards
- ▣ Current Building Code Compliance and Safety Issues
- ▣ ADA Accessibility Compliance
- ▣ Occupancy and Exiting