



# Introduction to BC&E, LLC

## PROVIDING SPECIALIZED EXPERTISE FOR BUILDINGS AND STRUCTURES

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BC&E, LLC is an architectural and engineering firm with expertise in improving the condition of and extending the life of buildings and other structures by evaluating and designing repairs for building envelope, structural/foundation, and construction materials problems. For our clients and projects, BC&E brings more than 100 years of collective experience and specialized expertise developed through involvement with thousands of projects nationwide. Specialized services are tailored to suit the needs of specific projects.

The focus of BC&E's services includes the investigation and evaluation of existing buildings and structures, the design of repairs, and construction observation and administration services during the repairs. BC&E provides services to building owners, property managers, homeowner associations, insurance companies, as well as architects, engineers, and contractors.

BC&E also provides advisory consulting and design review services on new construction projects to architects, engineers, contractors, developers, and owners during both design and construction phases. In many cases, these services are aimed at reducing the risk of potential problems related to building envelope systems.

From time to time, BC&E provides litigation support services to attorneys, insurance companies, building owners, and other clients for building-related litigation.

## CONSULTING SERVICES

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### Buildings and Structures

- Structural investigation and evaluation
- Structural repair design and observation
- Prepurchase and due-diligence surveys
- Foundation systems
- Concrete slabs-on-grade and pavements
- Steel, concrete, and wood structures
- Building enclosure commissioning
- Rappelling and special climbing techniques to access building facades and other structures

### Exterior Building Walls

- Water leakage investigation and repair design
- Brick, CMU, and stone masonry
- Cementitious stucco and adhered stone veneer
- Exterior insulation and finish systems (EIFS)
- Wood, metal, and vinyl claddings
- Cast-in-place and precast concrete
- Windows and doors
- Storefronts and curtain walls
- Glass and glazing
- Paint, coatings, and sealants

### Parking Garages

- Structural investigation and evaluation
- Concrete deterioration
- Steel corrosion
- Water leakage problems
- Repair and maintenance design

### Roofing and Waterproofing

- Water leakage investigation and repair design
- Exterior plazas, rooftop terraces, and decks
- Foundation waterproofing and tanked structures
- Evaluation of snow-country roofing problems
- Cold roof and super-insulated roof design
- Evaluation of snow and ice management

### Services on New Construction

- Design Reviews
- Construction Observation

### Disputes

- Litigation consulting
- Expert witness services

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