



**Bert L. Howe & Associates, Inc.**

**Construction Consultants**

*Construction and Design Professionals*

www.berthowe.com  
800.482.1822

## Charles M. Miller

### General Contractor

ICC Residential Building Contractor

ICC Residential Building Inspector

AAPM Certified Project Manager

charlesmiller@berthowe.com

800.482.1822

Southeastern Community College, West Burlington, Iowa  
University of Iowa, Iowa City, Iowa



#### Memberships:

International Code Council  
Society of Manufacturing Engineers  
American Society of Mechanical Engineers  
Society of Manufacturing Engineers  
Construction Specification Institute  
Project Management Institute  
American Academy of Project Management  
Home Builders Association of Metro Denver  
Professional Photographers of America  
LEED® Certified Professional (Green Associate)  
Australia Building Services Authority Registered Contractor,  
Australia (inactive)  
Certificated Project Manager, Department of Energy/Rocky  
Flats Nuclear Weapons Plant

#### Southern California Corporate Offices

5415 E. La Palma Ave.  
Anaheim Hills, CA 92807  
714.701.9180

#### Sacramento

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Suite 300  
95834  
916.569.8400

#### San Antonio

17806 IH 10  
Suite 300  
78257  
210.540.9017

#### San Diego

402 W. Broadway  
Suite 400  
92101  
619.890.7782

#### Las Vegas

3960 Howard Hughes Parkway  
Suite 500  
89169  
800.928.1822

#### Phoenix

2375 East Camelback Road  
Suite 600  
85016  
800.305.6440

#### Salt Lake City

2150 South 1300 East  
Suite 500  
84106  
800.482.1822

#### Denver

4600 South Syracuse  
9th Floor  
80237-2719  
800.248.4096

#### Houston

800 Town and  
Country Boulevard  
Suite 300  
77024  
713.264.8221

#### Miami

1688 Meridian Avenue  
Suite 600 & 700  
33139  
800.783.1822

## EXPERIENCE

As a construction consultant for Bert L. Howe & Associates, Inc., Mr. Miller draws upon his experience and professional training to analyze and develop protocols for identification of appropriate standards by which issues and conditions pertaining to construction assemblies and processes should be evaluated. His extensive understanding of design, construction methods, project management, contract administration, and costing enables him to develop repair methodologies, as well as alternative repair scope responses, appropriate to the issues and conditions in question.

Mr. Miller's career experience encompasses over 38 years of experience in the construction industry, managing over 600 public and private projects. Along with his hands-on experience, he has obtained continuing education relative to construction and numerous accreditations from state and county building jurisdictions, accompanied with membership involvement in numerous professional affiliations. Mr. Miller is a published technical author, a Certificated Project Manager, and has developed expertise over a broad range of construction disciplines, with particular focus on specialty trades, including framing, flooring, fenestration, stucco systems, and stone veneers.

To the field of construction defects and dispute resolution, Mr. Miller brings extensive forensic expertise relating to conditions and standards applicable to a variety of general and specific construction practices. He participates in all manner of visual, invasive, and destructive testing activities, and devises protocols for testing and specialized investigative procedures. He is experienced with, develops, and coordinates subcontractor apportionment allocations, based on review of contract terms and industry standard of care. Mr. Miller provides repair scope analyses and cost estimation services for repair and remedial procedures appropriate to the conditions. He has par-



ticipated in mediations, mandatory settlement conferences, and arbitrations. He has been deposed numerous times, and has testified as a designated expert witness in construction defect matters, claims for equitable adjustment/delay, and personal injury matters in state and federal courts.

Prior to joining Bert L. Howe & Associates, Inc., Mr. Miller was a Senior Construction Associate with MC Consultants, with responsibilities including development of repair methods and cost estimating, building code analysis, delay analysis, resolution of contract and specification disputes, water intrusion, and mold investigation. In prior experience, he was a Senior Project Manager for Nautilus General Contractors, with responsibilities including construction forensic analysis and repair scope and cost estimating. He was also responsible for implementing a formal project management process for Nautilus' General Contracting division.

Prior to his forensic career experience, Mr. Miller spent over 25 years providing project management and construction process oversight for private entity and government agency projects. Residential projects under his supervision ranged from multi-million dollar, individual, custom single family projects to a 16-unit, \$46 million dollar, custom home development in Rancho Santa Fe, California. Commercial / industrial projects managed by Mr. Miller total over a billion dollars in value. As a project manager, he developed comprehensive knowledge of Primavera project management methods and schedule criteria, efficient sequencing, and construction execution practices—for all trades—to ensure quality results and timely completion of projects.

Mr. Miller's residential construction experience spans over three decades. In 1982, Mr. Miller formed his own company, North-Miller Construction. As president and senior partner, Mr. Miller was responsible for client relations, sales, project development, management, and construction of custom homes on projects in the Denver, Colorado, metropolitan area, Wyoming, Montana, and Iowa. In addition to his residential project experience, he has extensive experience managing complex public, local, state, and federal projects. Mr. Miller worked as a Senior Principle Mechanical Engineer for the United States Department of Energy at the Rocky Flats Nuclear Weapons Plant in Golden, Colorado.

While with the United States Navy, Mr. Miller served as a Facilities Project Engineer for the Navy Public Works Center under the Navy Region South West command in San Diego, California. His responsibilities included facilities construction project management and site supervision. Mr. Miller also conducted facilities condition assessments and repair cost analysis / reports for Naval operations and personnel residential facilities.

Over the course of 14 years as an engineer at the Department of Energy's Rocky Flats facility, Mr. Miller's projects included nuclear facilities construction, environmental remediation and mitigation, including managing the design process and installation of specialized air handling/HVAC systems and asbestos and lead abatement projects. He was also responsible for program management of a multi-year, multi-million dollar, production facilities and capital equipment relocation project, requiring the management of activities and tasks of over 300 project members, at weapons and research facilities



in multiple states. During the course of his career at Rocky Flats, Mr. Miller gained Department of Energy certification as a published technical author and Department of Energy facilities photographer. He also achieved certification as a Department of Energy Senior Project Manager.

## **AREAS OF SPECIALIZATION**

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- ▣ Personal Injury Claims / Contractor and Carrier Liability / Site Investigation Reports
- ▣ OSHA/CAL-OSHA Standards / Analysis and Applicability Assessment
- ▣ Jobsite Safety Analysis
- ▣ General Contractor Responsibilities and Standards of Care
- ▣ Sub-Contractor Responsibilities and Standards of Care
- ▣ Project Management / Schedule Compliance
- ▣ Project Delay Claims
- ▣ Contract Compliance / Disputes
- ▣ Project Permitting (Federal, State, Local) Analysis
- ▣ Federal Project Contract Administration / Contract Compliance / Performance Assessment

## **AREAS OF IN-DEPTH EXPERIENCE**

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- ▣ Construction Defect Mediation and Expert Testimony
- ▣ Expert Testimony
- ▣ Building Code Compliance Issues
- ▣ California Title 24 Energy Reports Compliance and Analysis
- ▣ LEED Project Design and Certification Analysis
- ▣ Asbestos Abatement Process Analysis
- ▣ Lead Abatement Process Analysis
- ▣ Residential & Commercial Facilities Inspection and Condition Assessment Reports
- ▣ Home Owner Association Issues
- ▣ Disputes with Contracted Work Compliance / Performance Assessment
- ▣ Construction Document Analysis
- ▣ Insurance Subrogation Claims
- ▣ Concrete and Moisture Through Slab Analysis
- ▣ Design Constructability Assessment
- ▣ Structure Framing Analysis
- ▣ Flooring Installation Analysis
- ▣ Structural Insulated Panel Construction
- ▣ Window Installation / Moisture Intrusion
- ▣ Finish Carpentry, Standards of Quality
- ▣ Factory Manufactured Homes and Modular Facilities



## **AREAS OF IN-DEPTH EXPERIENCE** *(continued)*

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- ▣ Automotive Manufacturing and Service Facilities/Operations
- ▣ Residential HVAC Systems Design Analysis
- ▣ Industrial HVAC Systems, including Clean Room Design and Construction
- ▣ Public and Private Aviation Facilities / Operations

## **CONSTRUCTION AND DESIGN PROJECT EXPERIENCE**

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- ▣ United States Department of Energy Nuclear Weapons Facilities Engineering and Construction Projects
- ▣ United States Navy, Naval Facilities Engineering Command Projects
- ▣ Army, Navy, and Marine Corps Facilities Condition Assessment
- ▣ FAA Aviation Facilities (Public and Private Airports and Associated Facilities)
- ▣ Federal, State, and Local Municipality Facilities Assessment and Analysis
- ▣ Commercial High-rise Structures
- ▣ Residential High-rise Structures
- ▣ Residential Condominiums Structures
- ▣ Apartment Conversions to Condos
- ▣ Multi-family Residential Structures
- ▣ Single Family Custom Residential Structures
- ▣ Single Family Tract Residential Structures
- ▣ Retail Facilities (Individual and Tract)
- ▣ Public, Charter, and Private Education Facilities
- ▣ Historic Preservation and Restoration
- ▣ Fire and Disaster Loss Analysis
- ▣ Mechanical Systems Root Cause Failure Analysis

## **EDUCATION**

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- ▣ Southeastern Community College, West Burlington, Iowa
- ▣ University of Iowa, Iowa City, Iowa
- ▣ Certified Project Manager, American Academy of Project Management.
- ▣ LEED Continuing Education Credit Courses
- ▣ International Code Council Continuing Education Credit Courses
- ▣ OSHA Continuing Education Credit Courses
- ▣ AEC Daily Continuing Education Credit Courses
- ▣ CSI Construction Documents Education Program (6 module)