

**Kathleen H. McCauley, PhD., P.E.**

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**Employment**

11/04 – Present	President (McCauley Mechanical Construction, Inc.)
2/03 – 11/04	Vice President HVAC/CFO (McCauley Mechanical Construction, Inc.)
2/97 – 2/03	Chief Financial Officer (McCauley Mechanical Construction, Inc.)
6/91 – 2/97	Project Manager (McCauley Mechanical Construction, Inc.)
9/89 – 6/91	Project Manager (ACR Mechanical, Orange, CA)
10/87 – 9/89	Project Engineer (Western Air & Refrigeration, Compton, CA)
1/87 – 7/87	Project Engineer (McCauley Mechanical Construction, Inc.)
5/86 – 1/87	Field Engineer (The Austin Co., Des Plaines, IL)
10/85 – 5/86	Project Engineer (The Austin Co., Des Plaines, IL)
9/84 – 10/85	Project Engineer (Schmidt, Garden & Erikson, Chicago, IL)

**License- Accreditation**

1991	Registered Professional Engineer, State of Illinois
1990-1992	Registered Professional Engineer, State of California
2004	USGBC – LEED AP

**Education**

2020	PhD in Technology Consortium Program – Construction Management Specialization Indiana State University
1990	Master of Science - Engineering, Construction Management California State University Long Beach
1984	Bachelor of Science - Mechanical Engineering Valparaiso University

**Professional**

	<b><u>Mechanical Contractors Association of Chicago</u></b>
4/17 – Present	Management Trustee – Pipe Fitters Local Union 597 – Taft Hartley Funds
06/17 – 06/24	Chairperson, Women in the Mechanical Industry (WiMI) Committee
6/06 – 6/13	Committee Member – Joint Apprenticeship Training Committee – Pipe Fitters Local Union 597
6/06 – 06/12	Committee Member, Green Building Committee
6/06 – 5/08	Board Member
6/04 – 5/06	President
6/02 – 5/04	Vice President
6/01 – 6/02	Board Member
9/98 – 11/02	Chairperson, Information Technology Committee
9/97 – 11/02	Committee Member, Management Methods Committee
9/95 – 9/98	Committee Member, Information Technology Committee

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**Professional (cont'd)**

**Mechanical Contractors Association of America**  
07/18 – Present Board of Directors  
01/24 – Present Member, John R. Gentile Foundation  
05/18 – 03/20 Representative on the Associated Schools of Construction Task Force on the Future of Construction Education  
12/17 – 3/23 Committee Member, Women in the Mechanical Industry  
3/15 – 3/24 Committee Member, Project Management Education Committee  
Instructor for Scheduling and Being a Professional sessions  
3/07 – 3/15 Committee Member, Career Development Committee  
3/04 – 3/05 Committee Member, Project Management Education Committee  
Fall 2015 Completed Advanced Leadership Institute, Babson College  
Fall 2017 Presented at MCAA Student Chapter Forum – “Company Culture”  
Fall 2013 Presented at MCAA Student Chapter Forum – “Watching the Details for Student Competition Proposals”  
Fall 2010 Presented at MCAA Student Chapter Forum – “Cost of Construction Labor”  
Fall, 2019 Presented at the MCAA/United Association Labor/Management Conference – “Expanding Apprenticeship for Our Collective Future”

**Mechanical Contractors Association of Milwaukee**  
Spring 2019 Project Management Series – presented on QA/QC and Change Orders

**Chicagoland Sheet Metal Contractors Association**  
9/98 – Present Member

**Women in HVAC/R**  
01/08 – 01/10 National Treasurer  
11/04 – 2012 Member  
2006 Named Woman of the Year in conjunction with Contracting Business Magazine  
9/08 Presented at National Conference – “Green, It’s the New Black”

**Windy City Women in HVAC**  
2012 – Present Member

**US Green Building Council – Chicago Chapter (Illinois Green Alliance)**  
2008 – Present Member

**ACE Tech Charter School**  
11/07 Served on Transition-to-Training Panel

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**Professional (cont'd)**

**Triton Community College**

01/04 – 06/07      Advisory Board Member – Construction Technology Department  
09/01- 12/02      Adjunct Faculty – Construction Technology Department  
Construction Estimating

**Illinois State University**

09/12 – 12/12      Adjunct Faculty – Construction Management Department – MEP Systems  
09/11 – Present      Advisory Board Member – Construction Technology Department –  
Curriculum Committee  
07/09 – 09/11      Advisory Board Chair – Construction Technology Department  
7/08 – 07/09      Advisory Board Vice Chair – Construction Technology Department  
9/04 – 7/08      Advisory Board Member – Construction Technology Department

**Indiana State University**

09/19 – 6/23      Adjunct Faculty – Built Environment Department – Environmental  
Control Systems

**Construction Employers Association of Chicago**

1994 – 1996      Peer Group Member, Construction: The Next Generation

**National Association of Women in Construction, Chicago Chapter**

6/91 – 9/93      Member

**National Association of Women in Construction, Los Angeles Chapter**

9/90 – 6/91      President-Elect  
9/89 – 9/90      Board of Directors  
9/98 – 9/90      Chairperson, Education Committee  
Presented Introduction to Construction, Intermediate Construction,  
Blueprint Reading and Estimating 8-hour seminars  
9/87 – 6/91      Member

**National Association of Women in Construction, Oak Brook Chapter**

9/85 – 6/87      Member

**American Society of Heating, Refrigeration and Air Conditioning  
Engineers (ASHRAE)**

1985 – Present      Member  
1996      Committee Member, HVAC Products & Services Directory

**Continuing Education**

**Northwestern University – Kellogg School of Business**

Fall 2014      Completed Women's Director Development Program

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## **Major Projects and Job Responsibilities**

### **McCauley Mechanical Construction, Inc. (President)**

- Overall responsibility for business functions including accounting, insurance, banking and legal matters
- Overall management of accounting and clerical staff
- Overall management of service and construction operations, including estimate review, job cost, productivity, and review of equipment and subcontractor purchasing
- Development of company website and other marketing media
- Continue Project Management duties for HVAC work
- Perform engineering for design-build HVAC work
- Oversight and update of all policies and procedures for the company

### **McCauley Mechanical Construction, Inc. (Vice President – HVAC)**

- Continue Project Management duties for HVAC work
- Review Estimating and Purchasing procedures
- Implement computerized estimating program
- Perform engineering for design-build HVAC work

### **McCauley Mechanical Construction, Inc. (Chief Financial Officer)**

- Overall responsibility for bookkeeping and clerical staff
- Work with outside CPA firm to produce quarterly financial statements
- Correspondence with outside legal counsel for contract review, payment issues, business strategies and employee agreements
- Incorporation of new service operations into construction operations
- Development of corporate brochure
- Establish company policies and procedures manual
- Management of business and Workers Compensation insurance
- Maintain and provide training for computer systems
- Assist President and CEO with estimate and job cost reviews

### **McCauley Mechanical Construction, Inc. (Project Manager)**

Mechanical construction project management for commercial/industrial/institutional HVAC installations

- Packaging Corporation of America – design assist office HVAC and ventilation for new corrugated paper plant
- Governors State University – design build energy conservation project for air handling units and steam and chilled water plants
- Brighton Park UNO Charter School – summer renovation of abandoned hospital into elementary school, LEED gold certified
- Leslie Hindman Auctioneers – design/build renovation of warehouse for arts and antiques auctioneer

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**Major Projects and Job Responsibilities (cont'd.)**

CITGO Refinery – design/build 2-story office building for consolidated Operations and Engineering departments

Chicago Indoor Soccer – design/build for new 5-field indoor soccer facility

Home Run Inn Restaurant – design/build for new restaurant

3150 Lake Shore Drive – replacement of fan coil piping branches in 30-story occupied building

School of the Art Institute of Chicago – prime contractor for 3-phase summer and winter break HVAC renovations for art studios

The Horton Group – design/build new construction of two 3-story office buildings, shell & core and all tenants

Illinois Institute of Technology – renovation of building for use by the Young Women's Leadership Charter School, mechanical room upgrades, survey to reactivate Engineering Research Building

Lakeside Technology Center – base building renovation of 1 million square foot building for internet “carrier hotel” use

Rehabilitation Institute of Chicago – replacement of 2,000-ton chiller plant equipment, renovation of 3,000-tons cooling towers

Hotel InterContinental – design/build consolidation of multiple refrigeration systems to central 1500-ton chilled water plant

Christ Hospital – renovations of specialty lab and procedure areas, mechanical room upgrades, patient room upgrades

College of DuPage – new construction of co-generation facility

Commonwealth Edison – design/build renovation of Swift/Ekrich plant to customer call center and corporate offices

Other duties:

Estimating

Engineering design for design/build projects

Incorporation of new sheet metal operations into primary piping operations

Hardware/software implementation

Transition into financial aspects of business

**ACR Mechanical (Project Manager)**

Mechanical construction project management for commercial/industrial/institutional HVAC installations

Ablestik Labs – new office and manufacturing facility for computer chip adhesive manufacturer

Whittier College – new stage performance auditorium

Pepsi-Cola – new distribution warehouse

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**Major Projects and Job Responsibilities (cont'd.)**

Crystal Cathedral, Family Life Center – new building for day school, offices, and video production

American Airlines, LAX Airport – ticketing area and offices renovation

Steelcase Furniture – design/build HVAC and process compressed air and steam renovation

Embassy Suites – new construction of 7-story hotel

3-story plan and spec office building

Kaiser Permanente – new construction of medical office building

Western Air & Refrigeration (Project Engineer)

On-site project management for new construction of 15-story, 156 unit condominium building

McCauley Mechanical Construction, Inc. (Project Engineer)

Design/build HVAC

Hydrosol, Inc. – offices, warehouse and aerosol filling facility

The Austin Company (Field Engineer)

Overall field responsibility for laborers and subcontractors

Renovation of Midway Airlines hanger, construction of new parking lot with new drainage system, construction of new baggage claim area in main terminal building

The Austin Company (Project Engineer)

Heating/cooling load calculations, feasibility studies (using Trane Tracer load calc and economic analysis software)

Northwestern University Technology Building – renovation of 500,000 square feet of teaching and research space and all mechanical infrastructure systems

The Rookery Building – base building renovation of 10-story office building

HVAC/Plumbing/Fire Protection Design

415 N. LaSalle Street – renovation of existing 6-story office building and new addition

HVAC Design

Renovation of commercial hanger at Midway Airport (formerly Midway Airlines) for pilot check-in, weather station, and corporate offices

Design Development

North Pier Terminal conversion of shipping terminal to commercial mixed use facility

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**Major Projects and Job Responsibilities (cont'd.)**

Schmidt, Garden & Erikson (Project Engineer)

Heating/cooling load calculations (manually and using Carrier e-20 software), equipment selections, preparation of bid drawings, review of contractor submittals and shop drawings

Ameritech – 6 floors of tenant build-out in the Mercantile Exchange Building

Riverside Hospital, Columbus, Ohio – Lithotripsy Clinic, Operating Suites

Fort Sheridan – New barracks building

Argonne National Labs – Renovations to Animal Research Building