



Experience:

James Raymond Baty II brings over three decades of expertise in the design and construction industry. He serves as the Executive Director of the Concrete Foundations Association (CFA), where he has been a driving force for over a decade. His leadership extends to previous roles with the Tilt-Up Concrete Association, and his contributions include providing industry and educational resources on concrete construction, design and energy performance.

JAMES RAYMOND BATY II, FACI, FTCA

EXECUTIVE DIRECTOR • CONCRETE FOUNDATIONS ASSOCIATION

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Background:

James has a distinguished career with an emphasis on thermal design, concrete performance and structural innovation. His accomplishments include:

- A decade of service at Composite Technologies Corporation (Thermomass), where he was responsible for integrating thermal efficiency into commercial construction projects.
- Development of thermal design tools and engineering programs to promote energy efficiency and mass construction referenced in ASHRAE 90.1.

James' contributions to research include:

- Thermal modeling of energy-efficient building designs utilizing VisualDOE and Physibel.
- Full-scale thermal testing of insulated concrete sandwich panels with the U.S. Department of Energy (DOE) at Oak Ridge National Laboratory (ORNL).
- Research into cold-weather curing behavior of concrete foundation walls.
- Blast resistance studies for insulated concrete sandwich panels.

His Role at AOE:

- Serving as Executive Director for the Concrete Foundations Association (CFA), advancing industry standards and fostering innovative construction practices.
- Educating professionals through presentations at events such as World of Concrete, state and national conventions, and engineering/code inspector workshops.
- Advocating for best practices in construction and energy performance to enhance durability and aesthetic creativity in building projects.

His Skills Include:

- Thermal design and energy modeling for building efficiency.
- Development of advanced engineering and construction tools.
- Leadership in industry research, focusing on structural integrity and energy performance.
- Expertise in cold-weather concrete performance and construction practices.
- Public speaking, with a proven track record of educating diverse audiences.

Education and Designations:

- Bachelor of Architecture, Iowa State University
- Fellow of the American Concrete Institute (FACI)
- Chair and voting member of ACI committees
- Fellow of the Tilt-Up Concrete Association (FTCA)
- Active participant in ASHRAE, PCI and CSI initiatives