

Roger Frechette, PE, LEED AP

Managing Principal, Lead Mechanical Engineer



Education

Bachelor of Science, Mechanical Engineering, Southeastern Massachusetts University

Registration

Mechanical PE: District of Columbia, Maryland, Virginia, West Virginia, New York, Illinois, Michigan, Indiana, Arkansas, Mississippi, Georgia, Colorado, Washington, and California
LEED Accredited Professional, US Green Building Council

Professional Affiliations

Council on Tall Buildings and Urban Habitat
American Society of Mechanical Engineers
American Society of Heating, Refrigeration and Air Conditioning Engineers
National Society of Professional Engineers
Society of American Military Engineers
U.S. Green Build Council
Senior Fellow, Design Future's Council
American Society of Plumbing Engineers
American Institute of Architects Professional Affiliate

With over 20 years of experience in the field of sustainable engineering and building design, Roger's international and domestic work encompasses building systems and master planning designs for new, existing, and historic buildings, ranging from high-rises and mixed-use facilities to government buildings, museums, laboratories, airports, hospitals, and academic buildings.

Roger is a Senior Fellow with the Design Futures Council, a global network of design community professionals, and a frequent lecturer and author on high-performance design and green engineering. In 2004, the United States Congress recognized him for his work in sustainability.

Wuhan Tower

Wuhan, China

» 141 story, 600-meter tall mixed-use tower features 58 office floors, 33 residential floors and 23 hotel floors.

Dancing Dragons

Seoul, South Korea

» Twin tower scheme 88- and 77-story towers that proposes a new paradigm for super tall residential typologies.

Qintai Center

Wuhan, China

» 47-story, 1.5 million sf high performance corporate headquarters tower; 5-star hotel and office. Roof panels and triple-glazed exterior wall with operable louver system.

Burj Khalifa

Dubai, United Arab Emirates

» At 270,000 sm and 160 stories, it is the world's tallest building and includes large scale mixed-use development with residential, commercial, hotel, entertainment, shopping, green spaces, water features, and pedestrian boulevards.

Kingdom Tower

Jeddah, Saudi Arabia

» At over 1,000 meters tall, the next tallest building in the world. Provided performance based analysis of smoke evaluation system and advanced CFD modeling.

Rolex Tower

Dubai, United Arab Emirates

» 60-story mixed-use project; market-rate rental apartments, office, commercial, retail and 12-story

505 Church Street

Nashville, Tennessee

» 40-story multi-use tower; office and hotel.

Icon Center At Midtown

Dallas, Texas

» 3.25 million sf mixed-use development with Class 'A' office space, 5-star hotel, private condominiums and retail.

Tyson's Central Building F

Tyson's Corner, Virginia

» New multi-story building comprised of 414 unit high rise residential building.

Las Vegas Tower

Las Vegas, Nevada

» 133-story, 4.3 million sf casino hotel tower with 3 vertically stacked hotels, 3,800 guest rooms. Public areas: lobbies, restaurants, bars, conference center facilities and observatory.

**Resume encompasses experience prior to Interface Engineering.*