

Marlene Melendez | Associate I



EXPERIENCE

Marlene Melendez contributes to projects involving building and fire code analysis, life safety analysis, and egress design.

Ms. Melendez was previously an intern designer for a sprinkler contractor in Texas. Her projects included the design of automatic sprinkler systems in residential and commercial occupancies, and the installation and final inspection of fire sprinkler systems. As an undergraduate, she also collaborated with Sandia National Labs with code review and alternative solutions to conflicting codes.

Building Assessment

- High-Rise Condominiums - Austin, TX: Visual assessment of fire protection system
- Fort Worth Farrington Stadium - TX: Visual assessment of life safety features of the historic stadium
- Veho - Flower Mound, TX: Visual assessment of life safety features, fire protection systems, and alarm systems for package sorting and shipping facility
- Chase Tower - Chicago, IL: Bid documents for repairs including fire resistance-rated assembly repairs and fire stopping

EDUCATION

- Oklahoma State University
 - Bachelor of Science, Fire Protection and Safety Engineering Technology, 2024

PRACTICE AREAS

- Code Consulting
- Building Assessment
- Life Safety
- Litigation Support

PROFESSIONAL AFFILIATIONS

- National Fire Protection Association
- Society of Fire Protection Engineers

CONTACT

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REPRESENTATIVE PROJECTS

Code Consulting

- 41-43 Mercer Street - New York, NY: Identification of high-rise requirements for two landmark residential buildings being converted into a single building
- Chevron Towers - Houston, TX: Life safety review and code consulting for renovation
- Dallas Fort Worth International Airport, 19th Street Cargo Facility - TX: Life safety and code consulting on mezzanines
- Exxon Baytown - Houston, TX: Document review and code consulting for existing facilities undergoing renovations and new additions
- Exxon Spring - Houston, TX: Life safety and code consulting for new construction
- University of Texas at San Antonio, San Pedro II Building: Document review of mechanical stair pressurization drawings
- Dallas Fort Worth International Airport baggage handling system- TX: Life safety review and code consulting for new bag handling building
- Charleston International Airport - SC: Life safety review and code consulting for terminal building

Life Safety

- Dallas Fort Worth International Airport - TX: Life safety review and consulting for C and D Terminals
- Denver Service Center, Lone Tree City Center - CO: Life safety review and code consulting of an office building undergoing renovations
- Omaha International Airport - NE: Life safety and code consulting on fire department access and pedestrian walkways for terminal modernization
- Nashville International Airport, Terminal A - TN: Life safety evaluation and code consulting on refuge areas

Litigation Support

- SR 520 Montlake Interchange - WA: Records review
- Laurel Cherry Creek Condominiums - Denver, CO: Records review