

BIO - NATE BIRMINGHAM, P.E. / PRINCIPAL

A principal at Code Red Consultants with more than a decade of project experience, Nate is equally skilled at performance-based code consulting and design as he is with construction inspection and fire protection commissioning. He has led projects involving integrated life safety systems testing, smoke control special inspections, code compliance alternatives and equivalencies, and third-party reviews and inspections. Nate particularly enjoys providing consulting services for the total life cycle of a building, from design and construction inspections to commissioning and re-commissioning life safety systems.

Nate has significant experience with using computer fire modeling to evaluate smoke control system designs protecting atria and large assembly spaces. Working with the design and construction team, his technical analyses are used to identify specific challenges and possible compliance strategies that are not offered prescriptively. Nate collaborates closely with clients to find solutions that balance their project goals with adherence to the core principles of safety and compliance. His project work includes high-rise buildings, atria, offices and corporate headquarters, science facilities utilizing hazardous materials, healthcare facilities, residential buildings, and large mixed-use developments.

As a member of Code Red Consultants' leadership team, Nate promotes a culture of learning, innovation, and technical excellence. He prides himself on being an attentive, hands-on principal focused on the professional development of Code Red Consultants' staff.

BIO - CHAD FARRELL, P.E. / CONSULTANT

Chad is an accomplished fire protection and life safety engineer with seven years of experience providing client-driven consulting services. He is skilled at negotiating with Authorities Having Jurisdiction to present alternative means and methods for achieving code compliance and collaborating with clients to offer solutions satisfactory to all stakeholders. Chad is proficient at developing in-depth, visual egress simulations for various facility types including high-rise and large assembly buildings. His portfolio includes projects for healthcare, higher education, transportation facilities, high-rise buildings, large

assembly spaces, and mixed-use buildings, storage warehouses, military installations, and government-owned facilities.

Committed to client satisfaction, Chad stays involved with his projects from design assistance and construction operations planning to the commissioning of fire alarm and smoke control systems. He enjoys – and excels at – the fast-paced environment of consulting and the ability to work on a variety of projects from different angles. His professional interests include designing fire alarm and protection systems, commissioning smoke control systems, and developing construction fire safety plans.