



Joshua Presnell
Fire Protection Consultant

Education

B.S., Industrial Engineering, University of Tennessee, Knoxville, TN, 2019

Professional Experience

June 2019 through Present - Performance Design Technologies, Inc.
Fire Protection Consultant

Mr. Presnell is a Fire Protection Consultant who supports a variety of fire protection projects. He is continuing to provide support for the fire detection and alarm system design at a DOE processing facility at the Y-12 National Security Complex in Oak Ridge, TN and a TVA commercial nuclear plant. He is evaluating specifications to develop design and interface requirements. He is supporting development of fire alarm control panel and device detail wiring diagrams. Mr. Presnell is performing battery calculations and voltage drop calculations for fire alarm control panels and booster power supplies.

Mr. Presnell has also supported walkdowns for a large retail/office/residential complex in Johnson City, TN to determine sprinkler coverage and requirements.

September 2018 – June 2019 – Performance Design Technologies, Inc.
Engineering Intern

During his internship, Mr. Presnell supported a life safety egress and ADAAG compliance evaluation at a local church. He was also involved in the development of cable and conduit schedules to support design of a fire detection and alarm system at a major DOE processing facility. Mr. Presnell also supported the design of a fire detection and alarm system at a commercial nuclear plant by developing battery calculations for 21 fire alarm control panels. Mr. Presnell is proficient with both MicroStation and AutoCAD software.

Areas of Specialization

Fire Alarm and Detection System Design
AutoCAD
MicroStation