

Fire Alarm Projects

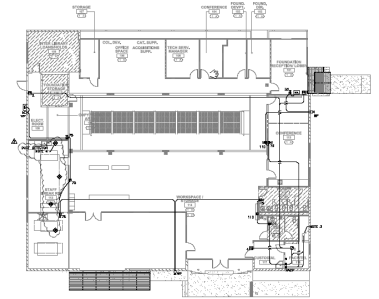
ArcSine Engineering has extensive experience in preparing Contract Documents for addressable and non-addressable fire alarm systems which address fire and life safety issues. Contract Documents can consist of two types of product submittals, which are performance specifications only or fire alarm system design and specifications.

Performance specifications enable the Owner to offset actual design costs, while still maintaining system performance requirements through the bidding process. A set of specifications is developed by the engineer (no drawings) requiring the installer to prepare fire alarm design documents and product submittals for engineer review, based on overall system performance and code requirements identified in the performance specification. This approach often requires a deferred submittal for fire alarm plan check.

Fire alarm design and specifications includes a full set of Contract Drawings and Specifications designed by the project engineer. These documents clearly identify all fire alarm components/equipment for all floor plans for the project. The Contract Documents will be designed around a specific product line which will be called out in the product specifications on the drawings. The documents will include all items necessary for plan-check review, bidding, and construction.

ArcSine Engineering is proficient at designing fire alarm systems for all types of buildings which include offices, schools (primary, elementary, and college campuses), medical/dental buildings, municipal facilities, and multifamily housing projects. ArcSine Engineering's fire alarm projects include the following:

- Selection of fire alarm control panel (FACP).
- Selection of remote annunciator panels.
- Selection of individual components (smoke/heat detectors, strobes/horns, etc.).
- Coordination with State Fire Marshals.
- Preparation of Contract Drawings:
 - ⇒ Fire alarm legend
 - ⇒ Fire alarm plans
 - ⇒ Fire alarm riser diagrams
 - ⇒ Fire alarm calculations
 - ⇒ Fire alarm details
 - ⇒ Fire alarm specifications
 - ⇒ Fire alarm cutsheets



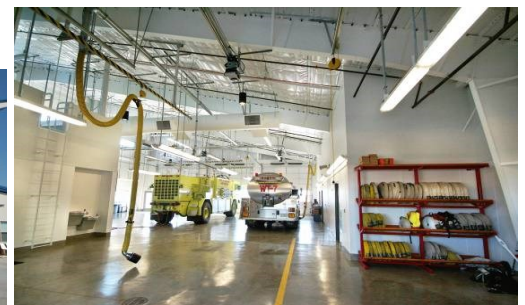
Campus Fire Alarm Design



Campus Fire Alarm Design



Multifamily Fire Alarm Design



Fire Station Fire Alarm Design

