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CODE CONSULTANTS, INC.

**The Fire Protection and
Life Safety Experts SM**

**Fire Protection
Design Services**



Qualifications

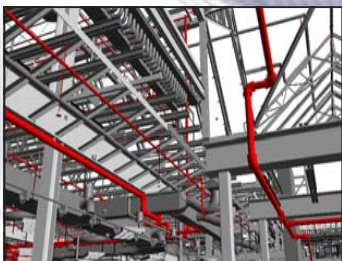
CCI's licensed Fire Protection Engineers are registered in all 48 contiguous states, plus the District of Columbia, Puerto Rico, and select Canadian provinces. CCI maintains Corporate Certificate of Authorization to practice engineering as required in all US states and Canadian provinces.

CCI's principals are technical committee members of NFPA 13 - Installation of Sprinkler Systems; and NFPA 72 - National Fire Alarm and Signaling Code.

CCI's principals and staff are members and actively participate in many associations.

CCI's design group is proficient in AutoCAD, Revit, SprinkCAD, HydraCAD, and HASS.

CCI has engineering design experience with projects in a wide range of market sectors including retail, mixed-use, corporate, high-rise, distribution centers, government, and military.



Section detail of a
3D Fire Sprinkler
Plan using Autodesk
Revit software

Design Services

CCI's fire protection design services include:

- Fire Sprinkler and Standpipe Systems
- Fire Alarm and Mass Notification Systems
- Development of prototype design documents
- Special Systems - Clean agent, AFFF foam, air sampling, linear heat detection, hazardous materials, and other systems
- Special Applications - Aircraft hangars, data centers, and other unique spaces
- High Piled Storage - Analysis and plans
- Corrosion Management - Consultation and solutions
- Risk Analysis
- Loss Prevention - Security and CCTV systems
- Third party plan review
- Construction administration
- Voice intelligibility testing
- Commissioning

BIM

CCI is a leader in developing fire protection systems design using Building Information Modeling (BIM).

CCI's fire protection systems BIM models include the following attributes:

- Specific elements which can assist the owner with facility management
- Design intent conveyed without weighing down the model with unnecessary information
- Properly coordinated with other building systems
- Utilize Navisworks® Manage to aid in coordination efforts

Benefits

CCI's fire protection design services provide the following client benefits:

- Typical construction cost savings of 15-25% over Design/Build delivery
- BIM / Revit clash detection
- Eliminate change orders during construction and project close-out
- Building and Fire Code compliance
- Compliance with State Engineering Licensing Regulations
- Detailed coordination with other disciplines during design phase
- Aesthetic considerations
- Comprehensive design package for bidding and construction administration
- Lower inspection, testing and maintenance costs
- Water conservation and corrosion prevention for sprinkler systems

CCI has LEED accredited professionals on staff and has developed a patent pending design for water conserving fire protection systems.



CCI's design scope of services can be customized to meet the project and client needs as follows:

- Performance specifications (includes Design/Build specification, supporting notes, installation details, and shop drawing review)
- Scope Documents (includes scope drawings, specifications and water supply analysis)
- Complete Engineering Design Documents (includes coordinated drawings, specifications and calculations)



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The Fire Protection and Life Safety Experts SM

- Fire Alarm Design
- Mass Notification Design
- Fire Sprinkler Design
- Code Consultation
- Fire and Egress Modeling
- Accessibility Consultation

FOR MORE INFORMATION, CONTACT:

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