



# TVA Project Design Services

## Smart Design Services for Your Project Needs

TVA's project design service has one purpose: to provide the right protection in the most efficient, cost-effective manner available.

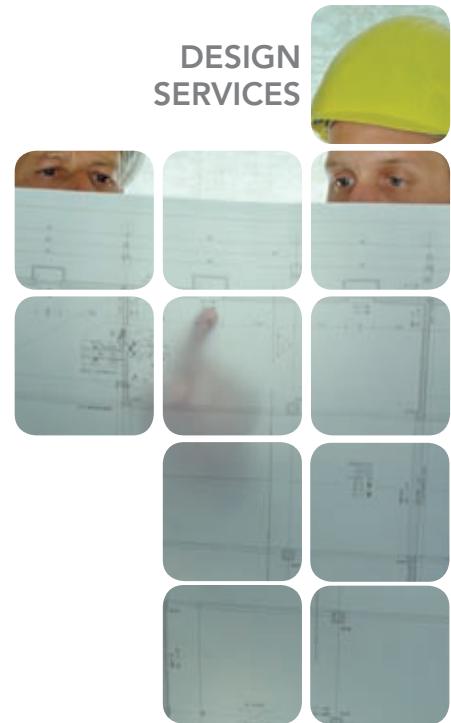
Our design professionals have years of experience in creating bid submittal, and full drawings that work in real settings. We provide accurate, cost-effective designs for virtually any type of active fire protection or notification system. Our scope of services ranges from bid drawings, to submittal drawings and installation-ready documents. We are knowledgeable about the latest tools, codes, and manufacturer's offerings, so we know how to design the most efficient and effective systems. Plus, our relationships with local jurisdictions and our company's reputation greatly improve the reception of drawings.

Whether you need a bid drawing to select the right subcontractor, a submittal drawing for timely review by a local jurisdiction, or the design of a comprehensive system, we can deliver a product that helps you be more efficient and reduce costs. Whatever your project requires, TVA will develop the appropriate solution.

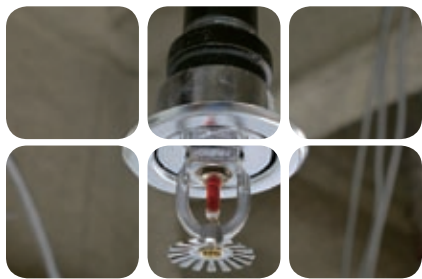
## Fire Protection Systems Design

The TVA design team has the expertise to handle any challenging situation that you are facing. Our automatic fire sprinkler system designs use the most current information and products available to develop sprinkler system designs that provide the highest benefit-to-cost ratio. Early system design allows for complete coordination of the sprinkler system with other design disciplines, limiting potential field issues and costly changes or delays. Our sprinkler system design services cover any facility occupancy, including residential, retail, institutional, commercial, and industrial.

DESIGN SERVICES



# TVA is Your One-Stop Shop for Design Services



## Fire Alarm System Design

By keeping abreast of new products, systems, and software, our designers ensure that you utilize the best technology available. Because TVA is an independent design firm, there is no proprietary interest in any manufacturer's products, allowing us to recommend the best and most cost-effective materials to meet your needs. We design systems with you in mind, and will work with all manufacturers to guarantee that you get the best results.

## Security System Design

TVA specializes in security system design - from hotels to large industrial or campus-wide integrated systems. Our areas of expertise include intrusion, video surveillance, and access control. Coordination of all functions, such as panic hardware, card access systems, and video surveillance, is crucial to security concerns. All of our systems designs are created with your operations and budget as the primary parameters.

In addition to the design services outlined, TVA offers these additional project-related services to streamline your projects and maximize their cost effectiveness.

### Project Budget Forecasting

TVA provides accurate cost estimates for fire and life safety systems with minimal project information. We can also identify potential areas for savings by using the latest technology, alternate materials and construction methods.

### Punch Walks

TVA inspects systems to confirm that they are installed in accordance with plans and proper installation methods. Early identification and correction of potential installation inadequacies improves the likelihood of acceptance by the jurisdiction at time of final inspection.

### Acceptance Testing and System Completion Inspection

TVA inspects and tests your systems to make sure that they are installed and operating correctly and are providing the promised coverage. This allows for the correction of identified deficiencies and reduces potential maintenance problems, ensuring that the building owner gets what they paid for in their protection systems.

### Special Hazard Design

Our designers and engineers have experience in protection design of virtually all types of special hazards, ranging from electrical substations, to offshore oil platforms. Whatever your needs, we have the knowledge and experience to do it right.

### Protection Plan Review

TVA provides a comprehensive, unbiased review of a contractor's proposed installation design, materials, and methods for compliance with owner's specifications and design criteria, minimizing potential construction delays due to design inadequacies. This allows for early identification and resolution of issues that could potentially delay the issuance of a permit.



## About TVA Fire & Life Safety, Inc.

TVA provides engineering, consulting, and project management services in the fire protection, security, and loss control fields. Clients include numerous Fortune 500 companies. The company currently has ten offices in the US and one in Europe: San Diego, CA (corporate headquarters); Los Angeles, CA; Atlanta, GA; Detroit, MI; Minneapolis, MN; St. Louis, MO; Mt. Arlington, NJ; Dallas, TX; Seattle, WA; Newark, DE; and London, UK. For more information, please call 858-795-1000 or visit our Web site at [www.tvafiresafety.com](http://www.tvafiresafety.com).

