

FIRM OVERVIEW AND SERVICES

Coffeen Fricke & Associates (CFA) is a full-service design firm. The firm began its acoustical consulting activities in 1964 with the formation of R.C. Coffeen & Associates. Since its beginning, CFA has participated in more than five thousand projects throughout the United States as well as projects in other countries including Canada, Germany, Iceland, Italy, Japan, Korea, and the Republic of China.

Projects involve all types of facilities where hearing conditions are important, where noise problems exist, where sound reinforcement or reproduction is necessary, and where information must be visually presented through projection and related facilities. CFA utilizes the latest technology to create our design and construction documents. This allows us to interact and collaborate with other members of the design team by sharing information electronically in a variety of file formats.

CFA has the capability to provide a variety of professional consulting services, which are available in whole, in part, or on an as needed basis, depending on the requirements expressed by the client. CFA believes that a good start in any project begins with a thorough understanding of project expectations and goals. We believe that communication is critical to defining the success of the project.



Consultants in Acoustics and Audio-Visual Communications

ROOM ACOUSTICS

Recommendations relating to the selection of interior surface shapes, finish materials, and seating to establish proper acoustical characteristics for a given space.

ARCHITECTURAL NOISE CONTROL

Recommendations relating to the construction of walls, floors, ceilings, and roofs, which establish suitable noise reduction between spaces.

MECHANICAL AND ELECTRICAL SYSTEM NOISE CONTROL

Recommendations relating to the noise control procedures necessary to limit the ambient noise to a suitable level.

VIBRATION AND STRESS ANALYSIS

Recommendations relating to the vibration and stress analysis of a given space to overcome and avoid potential problems.

THEATRICAL LIGHTING AND RIGGING

Recommendations that include conceptual studies, specification development, shop drawing review, and field services to establish an appropriate theatrical production environment.

SOUND REINFORCEMENT SYSTEMS

Detailed design of sound reinforcement and audio playback systems, including preparation of bidding documents, which will enable all patrons and participants to hear properly. As an alternative to traditional detailed design, CFA can furnish turn-key design-build solutions.

AUDIO-VISUAL SYSTEMS

Detailed design of audio-visual systems including capabilities for projection of video and computer graphics; and remote control of projectors, audio and video devices, lighting, and other environmental systems.

FINAL TESTS AND EQUALIZATION

On site direction of the final tests and adjustments for each sound reinforcement and audio-visual system designed by CFA.