

Newcomb & Boyd

Consultants and Engineers

Group Information

Consulting Engineering Group:

The Consulting Engineering Group provides services in mechanical, electrical, plumbing, fire protection, life safety, energy management, and building automation systems. Our practice is built on corporate, healthcare, laboratory/research, aviation, industrial and institutional projects. Services include studies and analyses, construction documents, construction management, commissioning and troubleshooting. Energy management is emphasized throughout all disciplines. Life cycle costs are balanced against first costs to maximize value. Features which we consider include energy recovery, variable delivery media, high efficiency equipment, utility/consumption rate management, optimum system/equipment selection and resource conservation.

Commissioning Group:

The Commissioning Group provides commissioning services and operational support to building owners and operators, assisting them in the construction and maintenance of efficient facilities. Commissioning is a process that extends through all phases of a project, from conceptual design to facility occupancy and operation. The ultimate goal of the commissioning process is to deliver a facility that meets the owner's requirements, realizes the designer's intentions, satisfies the occupant's expectations, and operates efficiently over its useful life. To reach this goal, the commissioning process begins with ensuring that the owner's program and expectations are communicated to and understood by the design team, and that the facility design meets these expectations. The process continues through construction by verifying that the systems are selected and installed in accordance with the design requirements. Training the facility's staff to operate and maintain the completed installation and to take advantage of the systems' capabilities is a final, though no less important, component of the commissioning process.

Lighting Design Group:

Effective lighting design challenges us to create a space that embraces both the aesthetic and functional aspects of architecture. Meeting this challenge requires a blend of aesthetic sensibility, extensive knowledge of light's subjective and psychological effects, and technical expertise; our award-winning Lighting Design Group is equal to the task. As light is arguably the most versatile medium of color and expression, it is a critical design element and should be an integral part of the entire design process. Light – as varied and dynamic as the architecture it illuminates – is a technical tool, but can also be an art form. Our lighting designers' sensitivity to and understanding of the subtleties involved in effective lighting design is evidence by more than fifteen years of successful contribution to the field. The importance of a superior lighting design cannot be underestimated; design can convey an image and enhance a project's identity. Ultimately, it is lighting that defines the visual encounter.

Special Technologies Group:

Newcomb & Boyd's Special Technologies Group provides services in security systems, communications systems, audio-visual systems, acoustics and noise control, theatrical systems, and court technology. Our innovative and versatile specialists provide services tailored to the unique requirements of each client and each project. Sensitive to the client's particular needs and resources, our specialists strive to deliver the best solution within established budget constraints. Services include master planning, programming, evaluation of existing needs and systems, noise and vibration measurement and analysis, acoustical modeling, system design and engineering, preparation of technical RFPs, evaluation of vendor proposals, preparation of construction documents, contract administration, systems commissioning, and troubleshooting.

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