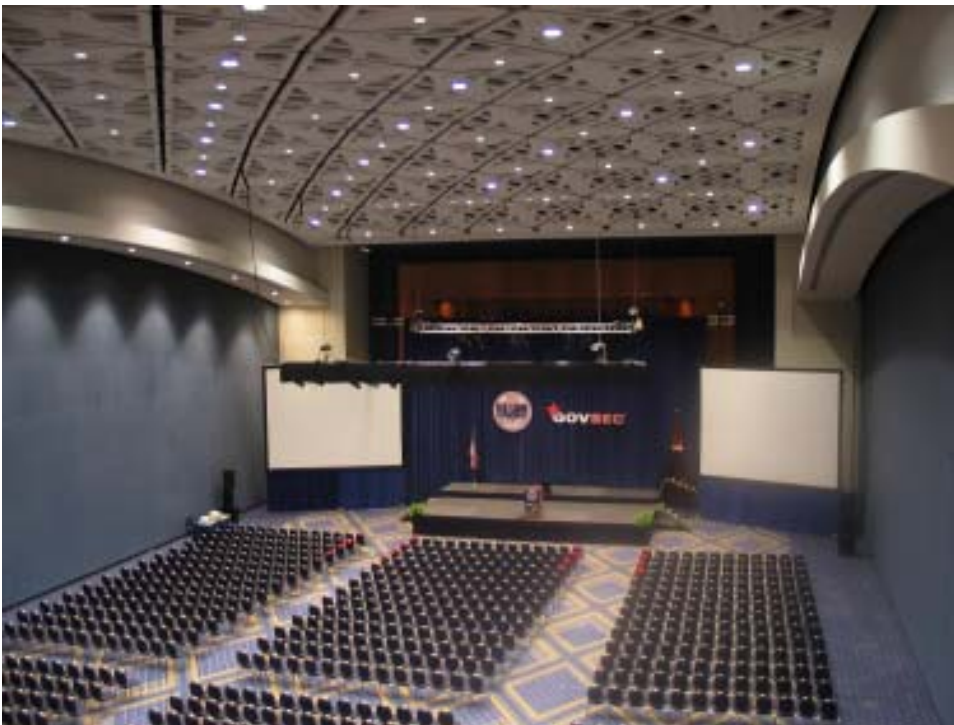


NEW WASHINGTON CONVENTION CENTER

Washington, DC



PROJECT DESCRIPTION

The New Washington Convention Center is ranked one of the top ten facilities in the United States for prime exhibit space. The total building area is slightly more than 2 million square feet including 725,000 square feet of prime exhibit space. Two thirds of this exhibit space, along with 40 truck loading berths, is constructed completely below grade to reduce the visual bulk of the center. The Grand Ballroom (pictured above) is located in the south block at the uppermost level offering spectacular views over the city and its monuments from the pre-function space.

Several factors were involved in Acentech's vibration control analysis – roadways and truck ramps within the convention center structure, close proximity to the Metro, and large span construction. Limited site space and substantial cooling requirements call for special attention to mechanical system noise and vibration control.

Acentech's designs for the sound and audiovisual systems integrated computer based digital signal processing audio computers with Ethernet audio distribution for an efficient, technologically advanced system.

Acentech

CONSULTING SERVICES

- Architectural acoustics
- Sound isolation
- Community noise analysis
- Structural vibration analysis
- Mechanical system noise and vibration analysis
- Audiovisual and sound system design

REFERENCES

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