



RPG DIFFUSOR SYSTEMS, INC.

RPG encourages the use of Acoustic Consultants that can provide a full scope of services including Room Acoustics, Sound Isolation, Noise Control, A/V System Design & Specifications, etc. To find an Acoustic Consultant in your area or one that specializes in a particular type of project, contact the National Council of Acoustic Consultants (www.ncac.com).

MEDIA CENTER



The acoustic goal in a Media Center (nonteaching) is to control overall loudness and reverberance and to create a low ambient noise level that encourages people to behave quietly. This can be accomplished with a sound absorptive ceiling, sound absorption on the upper walls and a carpeted floor.

Ceiling

Most of the ceiling (75% - 100%) should be constructed using a sound absorptive material with a moderate Noise Reduction Coefficient of NRC 0.65 – 0.80. This permits some use of other materials such as painted gypsum board to form soffits, coffers, etc. for visual interest. Consider RPG's linear, slotted *Topakustik* wood planks or tiles, which mount using a standard 15/16" T-bar ceiling grid. If another acoustically transparent material is used such as perforated metal, open grid or wood slats, the roof deck should be an *Acoustic Metal Deck* or a standard metal deck should be treated with *Spray-On* or *Plenum Liner*.

Walls

If the ceiling is 12' or lower, wall treatment is not necessary. However, high ceilings require upper wall treatment as well. Approximately 1/3 of the upper wall area should be treated with RPG *Absorber Panels* (fabric-covered, 2" thick).

Diffusor systems to enhance the acoustics of critical listening and performing environments

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