

PRODUCTION STUDIO HASBRO CORPORATION

Pawtucket, RI



PROJECT DESCRIPTION

The Hasbro toy company created a 2,800 sf video production studio within one of the existing facilities at their corporate headquarters in Pawtucket, RI. The studio is used to produce promotional pieces and in-house training videos.

Acentech worked with Hasbro and their architect, Bargmann Hendrie + Archetype, to define the acoustical design criteria which included sound isolation goals generated by specific noise-sensitive adjacencies, studio finishes aimed towards optimizing speech intelligibility, and very quiet background noise levels to optimize audio recording.

Based on these design criteria, Acentech made recommendations for sound isolation, studio finishes, and mechanical system noise and vibration control. Sound isolation recommendations included the detailing of double wall constructions, and acoustically-rated doors and windows to isolate the studio from adjacent office and production spaces. The roof/ceiling assembly was upgraded to control rain noise.

Acentech recommended fixed and moveable sound absorbing finishes for the studio ceiling and walls, to control the build-up of noise and reverberation.

Good recording conditions always depend on a suitably quiet background noise level. To achieve the project goals, Acentech advised the project's mechanical engineer on appropriate air flow velocities, duct sizing and layouts, the use of sound absorbing internal duct lining and silencers, and fan equipment selections.

Acentech

CONSULTING SERVICES

- Architectural acoustics
- Sound isolation and acoustical finish recommendations
- Mechanical systems noise and vibration control

REFERENCE

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