SECTION 09800C  ACOUSTICAL TREATMENT

PART 1. DESIGN CRITERIA

1.1 For all projects with HVAC work, acoustic design criteria shall be determined and expressed using RC(N), RC(R), RC(H), or RC(RV). Use of NC design criteria alone is not permitted.

1.2 Compliance with acoustic design criteria shall be calculated during design and verified in completed projects for performance, rehearsal, lecture, classroom, learning, audiovisual, research, animal care, and other areas where privacy and speech intelligibility impact user productivity.

1.3 Classroom and other learning spaces shall be designed in accordance with ANSI S12.60-2002, a set of recommended acoustical specifications for schools. The ANSI Standard covers:

A. Background noise from both inside and outside the building
B. Sound transmission of walls, floors, ceilings, and doors
C. Impact insulation of floor-ceiling assemblies above core learning spaces
D. Reverberation times or the length of time for sound to decay.

1.4 All plans, specifications, submittals, and product labels shall show detail necessary to ensure compliance with Rhode Island Fire Code requirements, and with Brown product requirements. See related Section 12000CP.

END OF SECTION