Case Study – Ru’s Pierogi

Architect: Schneider Design Architects, Buffalo, NY
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STC Hi-Sabin™ Panels were used to control a reverberant noise problem in the dining and final prep area of a new specialty restaurant in downtown Buffalo, NY, attached to the main kitchen.

The Problem: The dining area of the protected ordinary construction building (Type III-A) has a gypsum board ceiling to provide fire protection for the wooden floor construction above. The area, approximately 38’ long x 34’ wide x 10’-6” high, contains a dining area as well as a finish prep area with fryers and a large hooded exhaust fan that produces a constant background of 59 dBA. Brick and glass walls, concrete floor, and gypsum board ceiling produced an average reverberation time of 1.5 seconds. The noise and reverberation made conversation difficult.

The Solution: Approximately 192 sf of 2-inch-thick STC Hi-Sabin™ Panels were mounted with foam standoffs and adhesive onto the gypsum board ceiling. Reverberation time has been cut to 0.8 second and provides an ideal acoustical environment for dining.