

## Case Study – Ru’s Pierogi

Architect: Schneider Design Architects, Buffalo, NY  
 August 19, 2016



Figure 1: Gypsum board ceiling during installation



Figure 2: Dining and prep area after installation

**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.

