



CEILING GRID PANELS



Classroom Acoustics Upgrade in a Florida High School

A high school in **Tampa, Florida** needed a solution to control classroom noise and improve speech intelligibility for students. The existing **concrete walls and tiled floors** created excessive reverberation, making it difficult for students to hear teachers clearly. **All Noise Control** installed high-performance acoustical ceiling grid panels to address these issues.

CHALLENGES

- Poor speech clarity due to **excessive reverberation**.
- Need for **cost-effective, durable** panels for long-term use.
- **Fire safety and school compliance** requirements.

Solution

- **Product Used:** Perforated metal ceiling grid panels with an NRC rating of 0.92 for maximum sound absorption.
- **Fire Safety:** Panels met ASTM E84 Class A fire standards for educational facilities.
- **Durability:** Panels designed to be impact-resistant and easy to clean.

Results

- 40% improvement in speech clarity, making lessons more effective.
- Reduced background noise, creating a better learning environment.
- Long-lasting acoustic solution with minimal maintenance.

STC Rating: 40 – Provided excellent sound isolation between classrooms.

Lead Time: 2.5 weeks for delivery, 2-day installation.

Client Testimonial:

"The difference in classroom acoustics is night and day. Teachers no longer have to raise their voices, and students can concentrate better."