



# CEILING GRID PANELS

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## Soundproofing a Hotel Lobby with Ceiling Grid Panels

A luxury hotel in Orlando, Florida wanted to enhance its guest experience by reducing noise in the lobby. The high ceilings and marble floors caused excessive sound reverberation, creating a loud and echoey environment. **All Noise Control** installed **acoustical ceiling grid panels** to absorb noise while maintaining the hotel's elegant design.

### CHALLENGES

- **Strong echoes** due to high ceilings and reflective surfaces.
- Need for **sound control without disrupting aesthetics**.
- Compliance with **fire safety and commercial building standards**.

## Solution

- **Product Used:** Wood-finish acoustical ceiling grid panels with an NRC rating of 0.85.
- **Custom Design:** Panels installed in a geometric pattern to complement the luxury interior.
- **Fire Certification:** Panels met **ASTM E84 Class A fire-rating** for hotel compliance.

## Results

- 50% reduction in echo, creating a more peaceful atmosphere.
- Enhanced speech clarity at the reception desk.
- Aesthetic upgrade with wood-finish panels blending into the upscale design.

**STC Rating: 38 – Provided strong soundproofing to reduce lobby noise.**

**Lead Time: 3 weeks for delivery, 4-day installation.**

### *Client Testimonial:*

*"Our guests now enjoy a quieter, more welcoming environment. The ceiling panels not only improved acoustics but also elevated the overall design."*