Audiochuck Podcast Studio
Indianapolis, USA

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Case Study

Property Owner
Audiochuck

Main Contractor
Burnside Builders

Studio Designer
Soniplan

Structural Engineer
Todd Surinak, Surinak Engineering, LLC

Photographer
Hollyn Dahlquist

Stravilink QRC

"Quiet Resilient Clip", a high-performance acoustic isolation clip engineered for use in both low profile wall and ceiling constructions.

OVERVIEW

Audiochuck is a premier podcast production company and the creative force behind Crime Junkie, which consistently ranks as one of the top five podcasts on Apple Podcasts and Spotify.

As part of an expansion of their facility, the company is constructing a high-spec production suite featuring two podcast studios, a voiceover booth, a sound lock, and a machine room.

The centerpiece of the project is a state-of-the-art Dolby Atmos mix room designed to meet world-class technical standards for immersive audio production.

To ensure pristine recording environments, CDM Stravitec was chosen to deliver an isolation strategy for these rooms.

The project required extremely high levels of acoustic insulation to meet the stringent requirements of major international producers.

AT A GLANCE

CHALLENGES

- **Structural Load Constraints:** The building's lightweight wood construction lacked reinforced concrete, making it impossible to support the weight of 12-foot tall acoustic walls directly on the floor.
- **Initial Design Failure:** The original plan to decouple the newly built post-and-beam support structure itself was unsuccessful, requiring a rapid shift in the isolation strategy.
- **Intense Planning and Timeline Pressure:** The project faced extreme pressure on the planning schedule to stay on track for the May 2026 completion date

BENEFITS

- **Engineering Versatility:** The Stravilink QRC allowed for a pivot in design, successfully decoupling the gypsum board from the framing and transferring vertical loads to the overhead structure.
- **Rapid Response and Logistics:** CDM Stravitec delivered a quote within one to two days and had materials on-site within approximately one week, enabling the project to move forward quickly after previous vendor delays.
- **High-Performance Results:** The solution provided the necessary acoustic decoupling to maintain the integrity of the Dolby Atmos mix room and podcasting spaces within a challenging structural environment.

SOLUTION

The primary challenge of this project was the building's lightweight wood structure, which lacked reinforced concrete slabs to support traditional "box-in-box" construction.

Initially, the design team built a new post-and-beam support structure, spanning 8 m (26-1/4') between existing steel supports, with the intention of decoupling the entire structure itself. When this approach proved unsuccessful, the team pivoted to a more targeted decoupling strategy.

While identifying a hardware solution that respected the building's specific capacity constraints proved challenging, Stravilink QRC clips emerged as the ideal fit. By providing a specialized alternative to standard floor-supported systems, this solution successfully met the project's unique structural requirements.

Instead of attempting to decouple the heavy support structure, the team used Stravilink QRC clips to decouple the gypsum board layers directly from the new framing. Because these clips are uniquely engineered to support loads both horizontally and vertically, they allowed the 3.7 m (12-foot) tall wall linings to be suspended from the framing structure above rather than the floor below.

This specialized decoupling achieved total vibrational isolation while respecting the structural integrity of the lightweight building.

1523 pcs

Stravilink QRC

> The Audiochuck project presented one of the most complex structural isolation challenges I've encountered in years of studio design. The lightweight wood-frame building could not support traditional wall isolation systems, and after months of working with another vendor without a viable solution, CDM-Stravitec delivered a workable approach within days. Their Stravilink QRC clips allowed us to laterally isolate the wall faces from the framing in 12-foot (3.7 m) walls suspended from a custom post-and-beam structure. This redirected loads to areas the building could support while preserving full vibrational isolation. It is rare to find a solution that addresses both structural and acoustic challenges so effectively.
>
> - Tim Crossley,
> Founder and Principal, SoniPlan

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