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Rooftop Silent Protector installation quiets industrial noise emitted by generators

Custom sound wall design needed to accommodate structural issues

Up on a rooftop mezzanine, AIL Sound Walls are doing their part to keep the peace around the University of Michigan's new nursing school — although not quite as initially planned.



Project at a glance:

Name: University of Michigan Nursing School

Location: Ann Arbor, Michigan

Owner: University of Michigan

Engineer: RDG

Contractor: Turner Construction Company

Product: Silent Protector (Absorptive)

Sector: Healthcare

Application: Rooftop Mechanical

Dimensions: Height 14', Length 60'

Installation Time: One week

The sound barrier was originally designed to go around the rooftop mechanical equipment, but structural issues with the chiller platform and the roof deck necessitated a change of plans.

We worked closely with the engineer and the contractor to create an alternative solution by filling in the openings around the rooftop's mezzanine walls with our absorptive Silent Protector panels. To accomplish this, we developed a custom bent plate attachment for the existing openings to accept our panels.

Custom color to suit architectural design

Color was also a concern. The architect wanted a darker grey color to match the building so we provided a custom Slate Grey to meet their aesthetic requirements and keep the look of the building consistent.

Prescription for a healthy project outcome

The AIL Sound Walls team's open dialogue with our project partners helped everyone work through the issues quickly to provide solutions that kept their project on track and the mechanical equipment quiet. By attaching our panels to the existing mezzanine openings instead of using larger steel posts, we were able to save time and money on the project.



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