



November 16, 2022

Tuf-Barrier Plus XL delivers extra performance and value for NY logistics center noise barrier wall

This project — our first Tuf-Barrier Plus installation using our longer XL Series panels — packaged two AIL Sound Walls product upgrades together to deliver more performance and value for the Matrix Logistics Center in Newburgh in Orange County, NY.

Using our Tuf-Barrier Plus panels offered a higher Sound Transmission Class (STC) rating than our standard Tuf-Barrier reflective panels (36 vs 31), thanks to the addition of internal acoustical mineral wool batts and sound-absorbing backer boards.



Tuf-Barrier
STC 31

NEW Tuf-Barrier Plus
STC 36

Project at a glance:

Name: Matrix Logistics Center at Newburgh

Location: Orange County, NY

Owner: Matrix Development Group

Consultant: Langan Engineering

Contractor: Petillo, Inc.

Product: Tuf-Barrier (Reflective)

Sector: Commercial

Application: Depot & Loading Dock
Sound Walls

Dimensions: 550' long x 12' high

Installation Time: Two weeks

Plus, producing the panels in our longer XL Series lengths of 16' meant fewer panels, posts and foundations for the project, which lowered the overall installed cost.

The latest of many logistics center sound barrier wall projects

The AIL Sound Walls team is on its way to developing a niche market with our noise barrier wall solutions for distribution centers, with many notable projects in our portfolio. It seems more and more customers and project partners are turning away from concrete, wood and other sound walls when they understand the key benefits of our lightweight PVC systems:

- Sound mitigation performance
- Lower installed costs
- Durable and low maintenance
- Sustainable and environmentally friendly
- Enhanced aesthetics and design versatility

Noise barrier wall project was smooth sailing

There were no real hiccups with this project — we tracked daily production and evaluated the progress at the beginning of every week to mitigate any potential risks in completing the project on time and on budget.

We were familiar with the contractor team at Petillo, Inc. from another project and they were excellent collaborators all the way through this project. We maintained constant communication with them and held a pre-construction meeting to answer any questions and to provide an installation-guidelines document. They seemed very pleased with the product and installation.

Also, we were happy to reconnect with Langan Engineering again after our successful teamwork on the Weshampton Logistics Center sound barrier wall in New Jersey.

We hope to work with all of the stakeholders in this project again sometime soon.

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