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Sound wall protects Illinois neighborhood from distribution center noise

A 30-foot absorptive sound barrier wall connected two warehouses and enclosed the loading area at a major freight carrier distribution depot in Bolingbrook, Illinois. And, for the residents of an adjoining neighborhood, this tall, handsome peacekeeper arrived not a moment too soon.

Pressure from Mayor speeds up project

The owners of Fountain Square, a relatively new industrial park in the area, had received noise complaints about the trucking yard and even the Mayor had stepped up pressure to get the situation resolved quickly for the residents. Enter AIL Sound Walls.



Project at a glance:

Name: Fountain Square

Location: Bolingbrook, IL

Owner: Fountain Square

Sub-Contractor: Peerless Fence

Product: Silent Protector (Absorptive)

Sector: Commercial

Application: Depot & Loading Dock
Noise Walls

Dimensions: Height 30', Length 270'

Installation Time: Three weeks



Previous fencing offered no sound mitigation.

Silent Protector sound barrier wall lives up to name

The previous open-picket steel fencing on the site offered no sound break whatsoever. By using the Silent-Protector (Absorptive) system from AIL Sound Walls, the owner was able to maximize the sound mitigation properties of the new noise barrier.

The AIL Sound Walls Team worked closely with both the general contractor and their subcontractor, Peerless Fence, to come up with the optimal design, layout (including a few angles) and connections for the sound barrier wall. To close off the turning yard area, we had to design custom attachments to connect the sound barrier wall to the tilt-up precast concrete buildings at either end.

We met with them onsite during design and expedited our engineering, manufacturing and sequenced material delivery to meet the project's tight schedule. We also maintained constant contact during installation to ensure everything went smoothly.

Made from recycled and recyclable PVC perforated panels and filled with acoustical mineral wool, Silent Protector is one of the industry's top-performing sound walls, with a Sound Transmission Class (STC) rating of up to 39 and a Noise Reduction Coefficient (NRC) of .95.

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