



November 4, 2021

AIL Sound Walls' new Silent Protector Plus System creates two large equipment surrounds for San Antonio data center

This data center project for a global software company saw our new Silent Protector Plus (Absorptive) Sound Barrier Wall System used to create two large equipment surrounds for the center's massive mechanical yards in a phased approach.



Project at a glance:

Name: Data Center Equipment Enclosures

Location: San Antonio, TX

Sound Barrier Subcontractor: Foster Fence

Product: Silent Protector Plus (Absorptive)

Sector: Commercial

Application: Equipment Enclosures

Phase One Dimensions: 390' long, 30' high

Phase Two Dimensions: 280' long, 30' high

Installation Time: One month for each phase

Silent Protector Plus panels mitigated higher decibel levels

With a Sound Transmission Class (STC) rating of 39 and a Noise Reduction Coefficient (NRC) of 0.90, our new Silent Protector Plus panels were the obvious choice to mitigate the higher decibel levels of the equipment on this site

30'-tall noise barrier walls required larger posts and foundations

Due to the size of the equipment, the sound barrier enclosures needed to be 30' tall with larger posts and foundations to meet local wind load requirements. Our lightweight PVC sound barrier walls also had to navigate around existing underground utilities and adapt to various grade changes. In addition, the tight site offered very little storage area so our materials needed to be delivered sequentially, according to the installation schedule.

Equipment surround project leads to more data center projects

We were excited to be working with one of the nation's largest companies as the General Contractor on this project. And Foster Fence, out of Houston, did an excellent job as the Installation Subcontractor on the sound barrier walls.

We worked closely with the General Contractor's design team and Foster to work out the most cost-effective solutions to avoid the underground utilities and meet the other technical requirements. There was constant communication between all teams as further underground conflicts were encountered during the install.

Positive feedback was received from our project partners and other data center work for AIL Sound Walls has evolved from this opportunity — both in Texas and throughout the country.

[See all Project Profiles on ailsoundwalls.com](https://ailsoundwalls.com)



Silent Protector
STC 32



Silent Protector Plus
STC 39