

Case Study:

IAC Acoustics Sound Barrier

» Harris Teeter Food Market
Washington DC



IAC Acoustics and Harris Teeter Building a Better Community

Harris Teeter in Washington DC, a fresh food market, firmly believes in nourishing the communities they serve. They are pleased to be known as the company you would be proud to call "neighbor".

As a result of this standard and to make this location both aesthetically pleasing and acoustically friendly, Harris Teeter along with their architects, Bondurant Associates, joined forces with Benchmark Construction, Acoustical Design Collaborative, Ltd (ADC) and IAC Acoustics to construct a neighborhood friendly, unobtrusive IAC Acoustics Noishield® roof barrier and cladding panel system. The panel system is designed to protect the community against noise from air conditioners, pumps, compressors and fans without the creation of an eye-sore! Harris Teeter tasked Benchmark Construction to comply with the strict acoustic and aesthetic requirements of the new HT location. Analysis done by Neil Thompson Shade and ADC determined the extent of treatment required to minimize the noise problem.

Manufacturing Process

IAC Noishield® roof top barrier and cladding systems are designed and pre-engineered to include structural steel and support systems. These systems are manufactured with a 20 gauge perforated skin, and are rated at NRC 1.05. The panels are available in galvanized steel or aluminum materials and can be powder coated in more than 100 colors with smooth or textured finishes to satisfy a variety of architectural applications.

Installation

This installation consisted of panels and doors for required maintenance access. The factory finished panels utilized for HT are five inches thick and sound absorptive on one side. To this a powder coated perforated screen is applied to the wall to match the trim of the existing building. IAC Acoustics Noishield® cladding panels can be installed with horizontal or vertical reveals to satisfy aesthetic and architectural considerations.