

Case Study:

# IAC Acoustics Sound Barrier

» Pacific Gas & Electric  
San Francisco, California



## IAC Acoustics Scores with Noishield® FS/S Sound Barrier System at PG&E

IAC Acoustics supplied and installed a Noishield® FS/S sound barrier for PG&E in San Francisco, California. IAC Acoustics provided complete turn-key services including the design, engineering, foundations, structural support steel, panels, and installation.

The IAC Acoustics Noishield® FS/S barrier systems optimize sound transmission loss and sound absorbing properties in a durable and attractive wall system in harmony with the community. According to PG&E engineer John Dang (Ocean Avenue end user); "I think the green finish looks great! It seems to work so far; and no complaints from the neighbors...". The 16' high barrier is designed to protect the community from unwanted transformer noise.

PG&E presented the IAC Acoustics Architectural Team with an additional challenge; to control the run-off rain water from escaping into adjacent property prior to being filtered into the on-site water treatment area.

IAC Acoustics designed the foundation with an integrated curb to be both structurally sound and environmentally compliant.

## Manufacturing and Installation

IAC Acoustics barrier panels are manufactured from 14 gauge solid skin and 10 gauge perforated skin. The panels are roll-formed and cold formed button punched to form a 5" thick acoustical panel. The panels are factory finished using a polyester powder coating for exterior applications and are available in over 100 colors with smooth or textured finishes to satisfy a variety of applications. The Noishield® sound barrier panels can be installed with horizontal or vertical reveals to satisfy aesthetic and architectural considerations.

## Acoustic Performance

IAC Acoustics Noishield® FS/S sound barrier systems optimize sound transmission loss and sound transmission properties in a durable aesthetically pleasing wall system in harmony with the community. The 5" thick panel is self-draining and the absorptive side is rated NRC 1.05 with an STC 33 rating.

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