



OFFICE BUILDING COMPRESSOR NOISE



This five-story office building is the home to a law firm. With two new screw compressors on the way, the client called AVANT ACOUSTICS to analyze the existing conditions for noise control.

AVANT ACOUSTICS provided the following services:

- Mechanical/electrical noise control

Project Highlights:

AVANT ACOUSTICS visited the space and tested the partitions between the compressor room and all adjoining spaces. Based on the findings, AVANT recommended installing a specialty acoustical ceiling tile in the compressor room and sealing the numerous penetrations in the surrounding walls.

To mitigate potential noise issues caused by vibration, AVANT recommended installing restrained spring isolators beneath the compressor to isolate it from the building structure. In addition, flexible pipe connectors were recommended for all piping connected to the compressor.

AVANT ACOUSTICS also provided the client with additional good practice noise control recommendations to consider for the mechanical room doors.



Project Location:
Overland Park, Kansas

Facilities:
Compressor Room

Client:
Bear & Bear Associates, L.P.

Designer:
John M. Hodgson