

Packaged Rooftop Unit Application



Summit System™

Department Store

Seattle, WA

The building owner had replaced existing “problem” units with new rooftop equipment. After installation, the business received noise complaints from adjoining residential properties.

Project Design Constraints:

01

Equipment Weight Restrictions & Concerns.

02

Limiting the weight of a unit-supported sound control design to reach OEM approval.

03

Maintain sufficient attenuation while avoiding independent support or roof penetration.

01 Problem

The new equipment was relatively small in size/tonnage. Thus, the original equipment manufacturer could not approve unit support of a full-sized BRD solution.

02 Solution

Lighter-gauge constructed panels were used to limit the overall weight of each system, and Hush Guard™ end-panels were used to add additional unit attenuation where needed to achieve sufficient reduction.

03 Outcome

The sound control system achieved an 8 dB(A) reduction at the closest residential property line.

