

# Rooftop Unit Application

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## SUMMIT SYSTEM™

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Unit Supported Designs.  
Direct Coordination w/ Equipment Manufacturers.



# Major Retail Chain

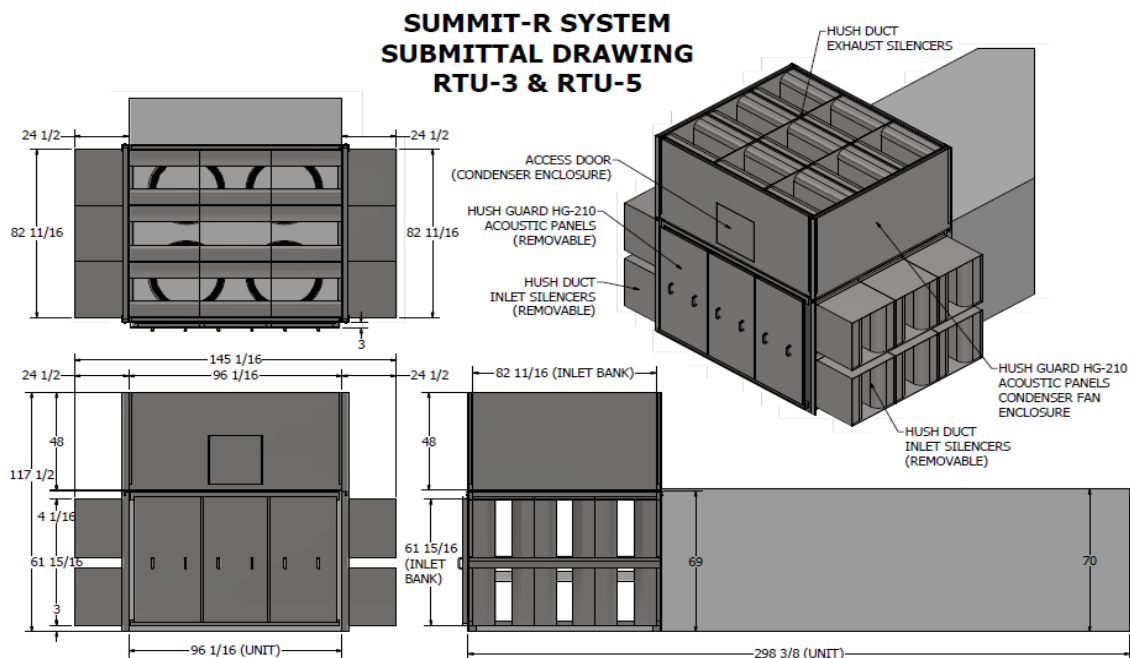
White Plains, NY

A popular retail chain located in the heart of a city plaza shopping center was operating (5) rooftop packaged air conditioner units and (2) dedicated air handling units.

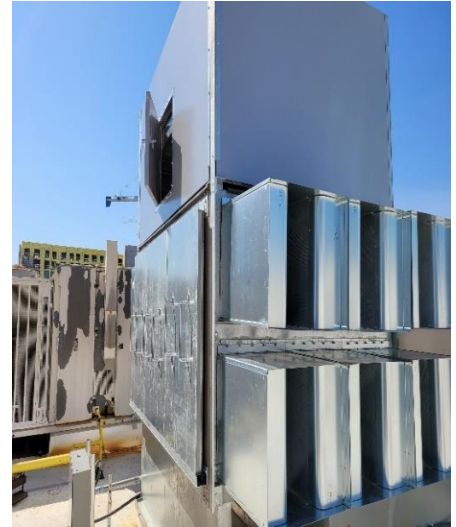
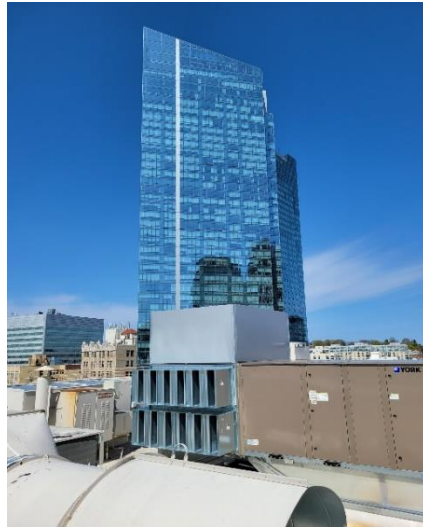
The city-mandated sound ordinance required no more than 55 dB(A) sound pressure at the property line. In order to achieve this, BRD performed acoustic modeling onsite to determine the total reduction necessary, a 10 dB(A) reduction to guarantee compliance.

***“BRD’s Hushcore® Summit System™ is a source-applied treatment that is designed to be unit-supported and provides significant dB reduction without roof penetration or independent support like a barrier wall.”***

Submittal drawing cut-away for 2 of the 5 RTU’s treated:



BRD Noise & Vibration Control, Inc. designed, manufactured and installed these Hushcore® Summit-R™ model HDE-212E System consisting of 2' intake silencers and 2' fan discharge stack sections to provide turn-key noise solutions for all (7) units.



The outcome was a removable solution that achieved the noise ordinance at the surrounding property lines.

**Just Right  
Acoustics®**



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