

Baystate Medical Center

Application: AHU Silencers (Centrifugal Fans)

! CHALLENGE

- > Limited Silencer Connection Sizes
- > Insufficient Straight Duct

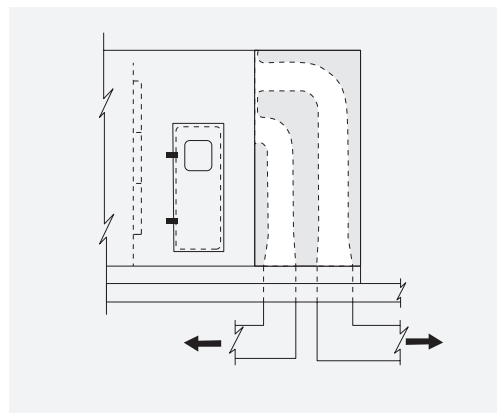
Limited space and no straight run of ductwork connected the 30,000 CFM air handling unit to the supply and return ductwork on the floor below.

Silencer sections aerodynamically connect air handling unit to distribution ductwork.

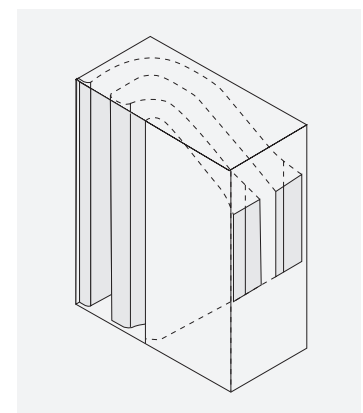
! SOLUTION

AHU SILENCER SECTIONS (CENTRIFUGAL FANS)

Both the supply and return silencer sections were designed with streamlined internal acoustic baffles and connections which matched the air handling unit's and the distribution ductwork. The resulting configuration was elbow/transitional silencing sections.



Elevation drawing of elbow/transitional silencing section connecting air handling unit to distribution ductwork.



Air handling unit supply silencing section above. Duct connections shown on the right, air handling connections on the left.