

PROJECT SOLUTIONS

Special silencing reduces environmental noise from cogeneration diesel ventilation system.

**PROBLEMS:** Low frequency noise  
Excessive pressure drop

Noise from the diesel room would radiate through the air louvers positioned at high level. Substantial low frequency noise reduction was required and very little pressure drop was permissible.

**SOLUTION:** Special elbow silencing

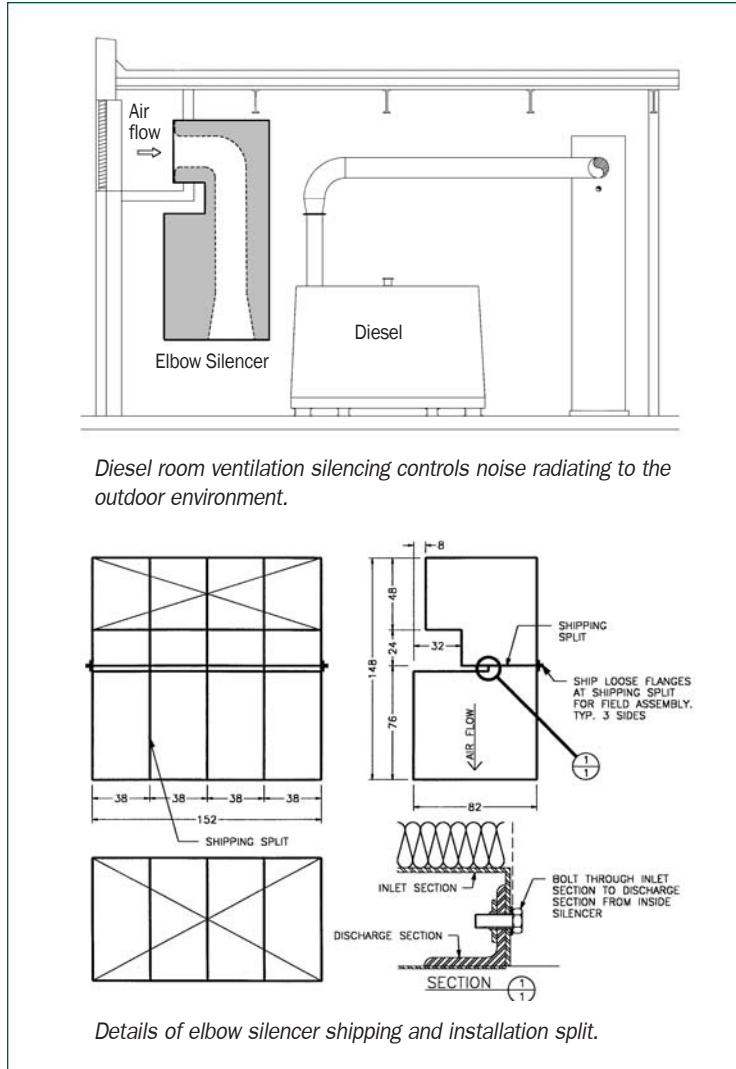
A special elbow silencer was designed having a much larger body size than the air inlet and outlet size. This design provided extra low frequency noise reduction while keeping pressure drop to a minimum.

**PROBLEM:** Oversize for shipment

The elbow silencer was very big to handle the very large CFM. It measured over 12'x 12'x 7' and could not be shipped nor installed in one piece.

**SOLUTION:** Sectional design

The silencer was shipped in 8 pieces. Loose flanges were provided for the bolted shipping split as shown.



Details of elbow silencer shipping and installation split.