

PROJECT SOLUTIONS

Project: 403/421 Bloor Office Building
Application: Cooling Towers / Outdoor Equipment

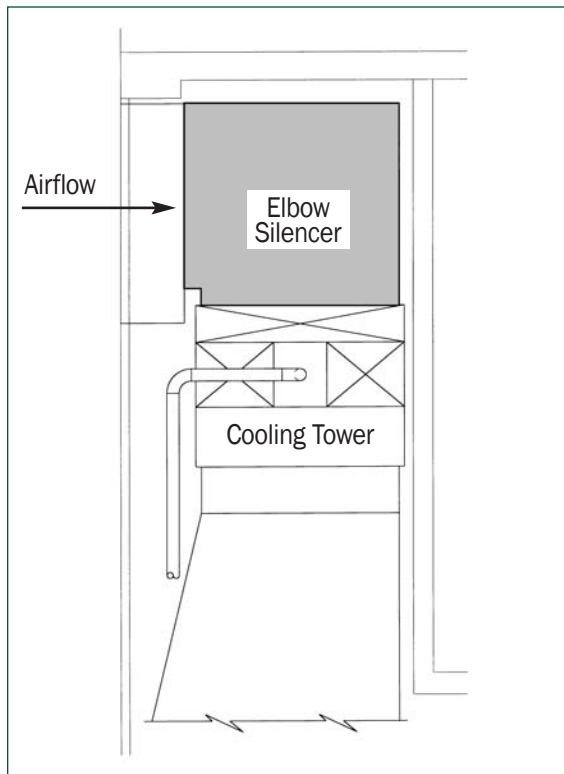
Outdoor noise problem from a cooling tower was solved by fitting an elbow silencer into a very limited space.

PROBLEMS: Environmental noise
 Insufficient straight duct

After the original installation, excessive noise radiated to the surrounding environment. There was no straight run of duct and very limited length for silencing between the architectural louver and the cooling tower inlet.

SOLUTION: Elbow silencer

A retrofit transitional elbow silencer, having a very large cross-sectional area (approx. 100"x100"), was supplied to connect to both the louver and the tower. The outside length of the elbow silencer was 222".



Cooling tower noise radiated from this louver to the neighbourhood and windows above.

Plan View: A large elbow silencer was designed and supplied to fit into the existing limited space.