

York Administration Center

Application: Cooling Towers/Outdoor Equipment

! CHALLENGE

- > Environmental Noise
- > Insufficient Duct Length
- > Excessive Pressure Drop

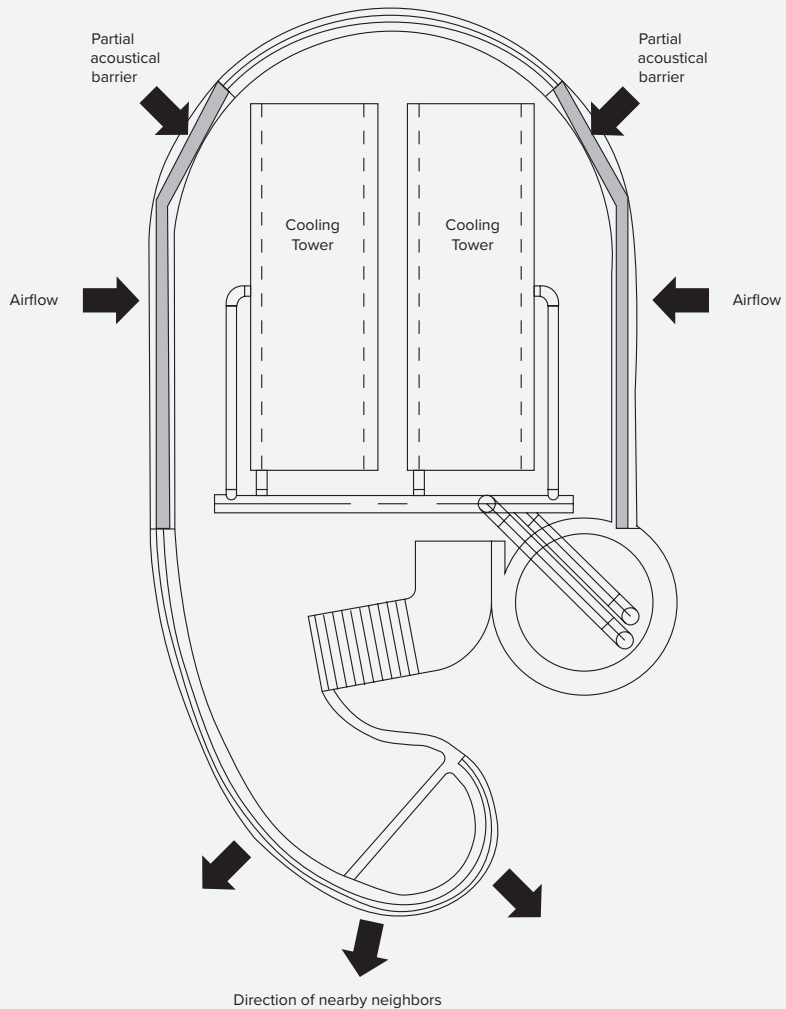
Two cooling towers on the roof of an office building radiated excessive noise to homes nearby. The brick wall partial barrier helped reduce the noise, but not enough. A solid barrier in front of the dominant noise source (air intakes) would cause excessive pressure drop and short circuiting of exhaust to the intake. There was insufficient length in front of the intakes for low pressure drop silencers.

✓ SOLUTION

ACOUSTICAL LOUVER BARRIER

Line of sight from the cooling tower intakes to the homes nearby was blocked by partial acoustical louver barriers on each side of the towers.

Retrofit partial acoustical louver barrier solves neighborhood noise problem.



Plan view