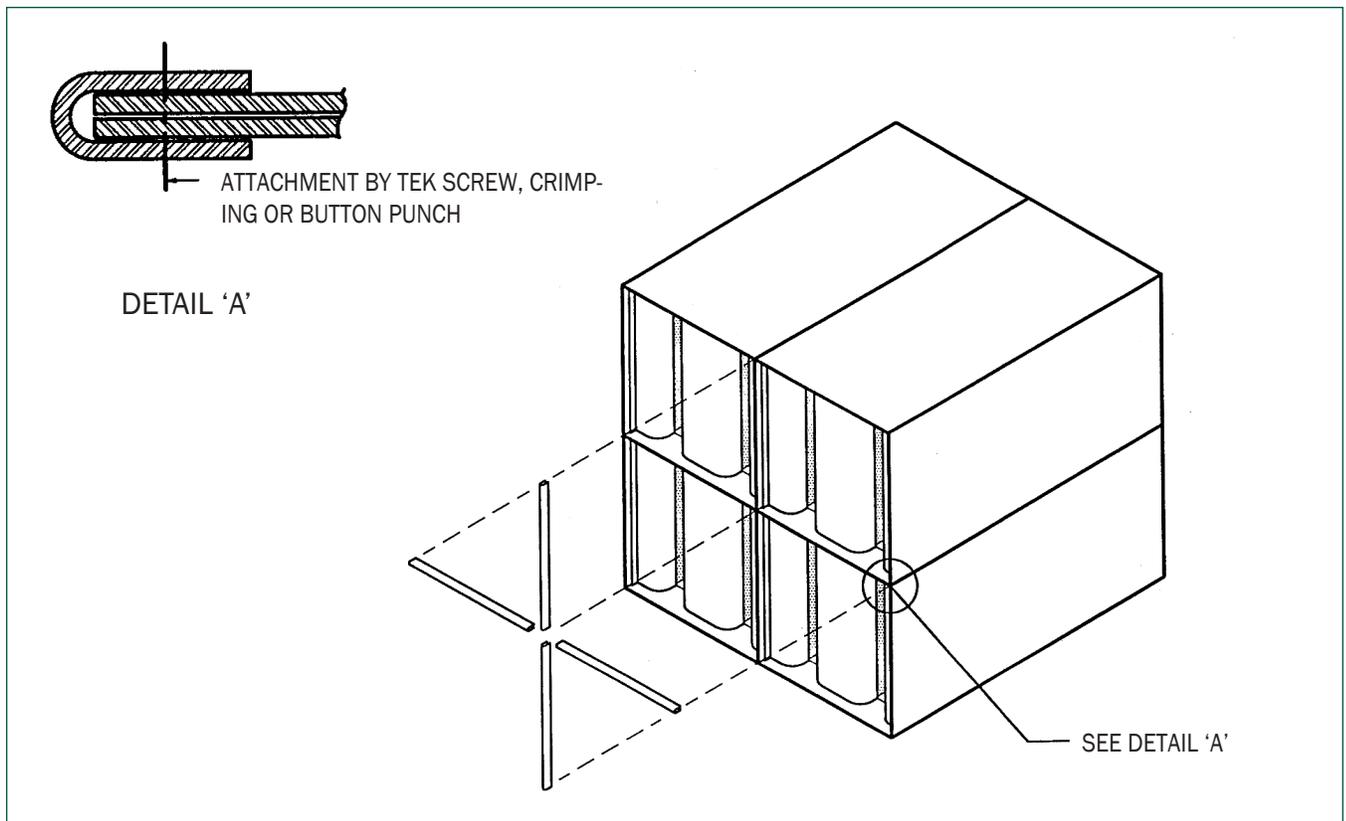


DUCT SILENCER INSTALLATION GUIDELINES

- ◆ Determine connection type from contract specifications or contractor's practice.
- ◆ Prepare inlet and outlet of duct silencer with the companion joint to be used.
- ◆ If the silencer is rectangular and has been supplied in more than one single component piece, unitize pieces as shown below. Refer to the silencer submittal to establish pieces required and overall silencer bank dimensions.
- ◆ Install silencer in duct system taking care that the direction of airflow indicated on the silencer is the direction of airflow in the duct system.
- ◆ In the case of reversible flow fan systems, the airflow arrow should align with the direction of "normal flow".
- ◆ Where possible, orient the splitters vertically to help provide structural rigidity.
- ◆ Support silencer as specified or as required.
- ◆ Use specified caulking or gasket materials at connection to duct system.

Note: Vibro-Acoustics silencer catalog and submittal data have been determined according to ASTM E-477 methods. This test standard requires a minimum of five (5) diameters of straight duct upstream of the silencer and ten (10) diameters of straight duct downstream of the silencer. Locating a silencer in a system with less favorable inlet and discharge conditions will result in increased pressure drops and generated noise due to system effects.



OPERATION AND MAINTENANCE GUIDELINES

- ◆ Vibro-Acoustics Silencers have no moving parts. Routine maintenance is not required.
- ◆ Silencer should be visually inspected at least once per year to insure that the airspace between the splitters is kept free from any obstruction.
- ◆ For silencers without access doors: Any dirt build-up on the perforated metal may be vacuum cleaned or wiped clean with a damp cloth.
- ◆ For silencers with access doors: When the access door is removed, the acoustical media is exposed and can be damaged if vacuumed. Use extreme caution to ensure only the perforated metal surface is cleaned and not the acoustical media. Any dirt build-up on the perforated metal may be vacuum cleaned or wiped clean with a damp cloth.
- ◆ Cleaning solutions which may affect the galvanized protection of the steel should not be used in any circumstance.
- ◆ If the silencer has been structurally damaged, contact your local Vibro-Acoustics Sales Representative or the factory direct at 1-800-565-8401.