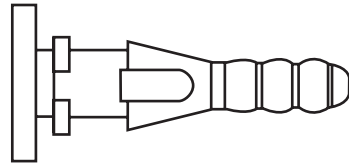


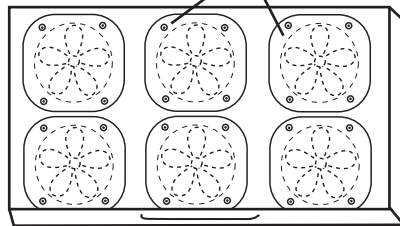
Noise Control Solutions For Cellular Network Base Station



Fan Bank

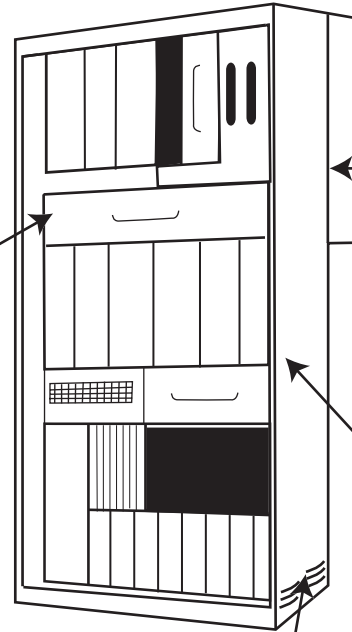
Many cooling fans are needed to maintain an acceptable operating temperature in a base station. When fastened to metal frames and cases, however, the fans cause surrounding structures to vibrate and generate noise. Using specially designed ISODAMP® fan mounts isolates the fans from the frame and damps and dissipates the vibrations. Highly damped E-A-R fan mounts are engineered for secure, tool-less installation.

ISODAMP C-1002 Fan Mounts



Exhaust Muffler Assembly

A muffler system employing E-A-R's TUFECOTE® acoustical absorption foam significantly reduces objectionable noise created by the numerous cooling fans required by base station electronic equipment. The flow of exhaust air must travel through a sheet-metal box containing a series of baffles covered with TUFECOTE H-100SM/PSA foam, a one-inch absorbing foam faced with aluminized polyester and back with a pressure-sensitive adhesive. The baffles form what is called a *tortuous path* for sound waves, which dissipates acoustic energy and reduces noise levels without excessively restricting airflow.



Air Intake Vents

Sheet Metal Panel Damping

When they enclose and support electromechanical equipment, light and rigid metal panels can broadcast the resulting structural vibrations as airborne noise. This energy is easily controlled, however, by applying ISODAMP C-2206-03PSA damping sheets—.03-inch highly damped vinyl with pressure-sensitive adhesive backing, for easy installation.

Baffles covered with TUFECOTE® H-100SM Foam

Air Intake

Exhaust

