

> C.E. Electronics – Acoustic Group

We were established to provide the vertical transportation industry a one-stop source of sound control solutions for many common and reoccurring issues related to elevator operational sounds generating noise disturbance complaints. CQuiet Sound Control Products offer solutions for both airborne and structure-borne sound for traction and hydraulic systems in either machine room or MRL installations.

CQuiet Sound Control Products..... CQuiet |'sē 'kwī-ət | verb: to have the ability to see quiet



C.E. Electronics Inc.
ACOUSTICS GROUP

CQuiet Rope Noise Boot



Reduces equipment sounds entering the hoistway through the open rope holes in the machine room floor by effectively closing these holes.

CQuiet Engineered Isolation



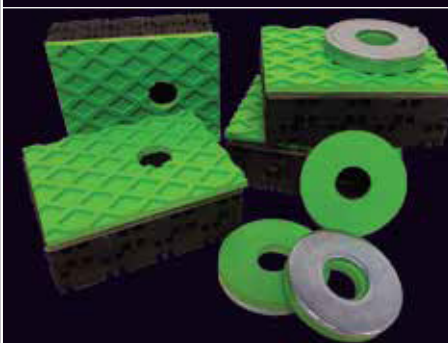
Effective equipment isolation requires the pad design to factor into account the driving critical frequencies, correct loading, and anchor isolation.

CQuiet Noise Liner



Virtually eliminating reflected sounds in the machine room reduces the overall sound level intensity and sound passing through the walls and ceiling.

CQuiet Hydro Power Unit Isolation



Specifically designed for hydraulic elevator power units. Isolates the critical driving frequencies of both dry and submersible system types.

CQuiet Pipe Noise Shield



Equipment-generated sounds radiate from the hydraulic pipe along its entire length. A simple wrap and cable tie installation contains the sounds at the pipe.

CQuiet Car Isolation Kit



Isolating the platen plate reduces the vibration levels entering the car frame, car guides and then becoming structure-borne through the rails.

CQuiet Pipe Isolation Product Series



Isolation of the pipe from its supports and the support itself from the building structure brings reductions to the second most significant migration point of structure-borne sound with hydraulic systems

CQuiet Noise Panels



High sound blocking and absorption properties in a framed panel. Ideal solution for MRL system noise complaints and adaptable for other applications.

Additional product solutions are available for other system sound migration points

To learn how the CQuiet Sound Control Products can improve your installations Phone - 419.633.3178 | Email - info@ceacoustics.com



Hydraulic System – Sound Control Treatment:

Noise disturbance complaints with modernizations from dry type to a submersible hydraulic system are a common industry complaint.

This project experienced disruptive equipment sound levels in a condominium adjacent with the machine room and hoistway. The two story high entry area was also affected due to the exposed hoistway walls in the two level open atrium.

This multi-point treatment included airborne and structure-borne sound control with CQuiet Noise Liner, CQuiet Hydro Noise Shield, CQuiet Pipe Noise Shield, CQuiet Car Isolation Pads, CQuiet 360 Pipe Isolation, and CQuiet FireStop Noise Putty products.

Condominium Owner:

"Thank you so much, we are able sleep through the night now!"

Overhead Traction System – Sound Control Treatment:

Penthouse owner experienced noise disturbance in the master suite, not only from the elevator operational sounds, but also reported hearing conversations from within the car, floor announcers, and the car doors opening and closing from a few floors down.

The hoistway vent duct has a large open area of 18 ft² with the duct being routed between the master suite ceiling and roof deck. Sounds from the vent migrated into the reverberant open space above the ceiling. To reduce the sounds entering the vent, sound control treatment was installed to absorb airborne sounds within the hoistway and block migrating sounds from the machine room through the rope holes.

This multi-point airborne sound control treatment included CQuiet Modular Hoistway Treatment, CQuiet Noise Panel, and CQuiet Rope Noise Boot.

Property Manager:

"After the treatment in the elevator shaft was completed, there has not been another single complaint from the penthouse owner. I can say that it is working for us!"

MRL Traction System – Sound Treatment:

Brake pics in this duplex elevator system generated multi-floor noise complaints. Affected areas were the private landing entrances of penthouse owners. Design of the residential entry landings provided no sound absorption or barrier into the residences of the equipment sounds migrating through the landing doors.

CQuiet Noise Panels were installed on the forward wall, ceiling and suspended on the sides of the motor to block and absorb the equipment operational sounds. The panels are configured for easy inspection and maintenance access. This installation achieved a 9 decibel reduction of the sound level within the hoistway, resulting in a perceived reduction of nearly 50% to the human ear.

Property Manager:

"The loud sharp crack sound of the brake before sounds like a faraway dull thud now....definitely achieved the reduction levels we hoped for!"

For complete details on these and other successful projects contact us at: Phone - 419.633.3178 | Email - info@ceacoustics.com