



Division 260548

Vibration Isolation for

Electrical Work

DESIGN GUIDE

1 General

1.1 Introduction

- A. This section applies to the following:
 - 1. Vibration Controls

1.2 Acoustician

- A. When project has an acoustician, the Acoustician shall develop space vibration and sound criteria. In this circumstance, the required vibration controls will be developed by the project acoustician and this section shall conform to the Acoustician's requirements.

2 Materials

2.1 Vibration Controls

- A. Typical materials for vibration controls include:
 - 1. Neoprene Isolators
 - 2. Neoprene Pads
 - 3. Spring Hangers



- B. Identify materials and types specific to the equipment and systems provided in the project and the project sound criteria.

3 Execution

3.1 General – Vibration Controls

- A. Isolate Electrical equipment from the building structure by means of vibration isolators.
- B. Verify that there are no rigid connections between equipment and building structure that degrade the vibration isolation systems specified herein.
- C. Do not use wall, floor, or ceiling penetrations to support conduit, wiring, or cable trays. Support conduit, wiring, or cable trays just prior to and just after the penetration, so that the penetrating element is centered in penetration.

3.2 Isolation of Equipment and Panels at partitions adjacent to occupied spaces

- A. In electrical, mechanical, and elevator equipment rooms, isolate electrical equipment, panels, and devices mounted to partitions (partitions are defined as walls, floors, and ceilings) adjacent to classrooms, offices, conference rooms, or other occupied spaces.

3.3 Electrical Equipment Isolation

- A. Transformer Isolation
 - 1. Isolate transformers from direct contact with the building structure, walls or ceilings.

3.4 Penetration Isolation

- A. Provide isolation of conduits at penetrations of acoustical walls, floors, and ceilings as required by the project acoustical requirements.



4 Appendix

4.1 Reserved for future.

