PART 1   GENERAL

1.01  SCOPE

A. This section specifies performance requirements for the design, furnishes, installation, supervision, and administration for all aspects of thermal expansion and contraction, vibration isolation, and seismic control of non-structural elements of the Project as shown on the drawings and/or specified in this and other Divisions for this non-essential facility. The Consultant shall provide a Specification 134800 for each project that is fully coordinated with all other disciplines.

B. It is the design intent to anchor, brace, and support the facility’s non-structural elements, including pre-engineered equipment, to the building’s structure. This includes mechanical and electrical equipment, system piping and conduit, tanks, vessels, equipment racks and cabinets.

C. Utilize the most current adopted IBC and ASCE 7 design requirements for all systems and reference the most current FEMA E-74,412,413, and 414 guidelines.

1.02  GENERAL REQUIREMENTS

A. Require the construction contractor to engage a Seismic Design Firm to provide any specialized designs and product selections. A single firm for any one discipline is required and it is preferred that a single firm be the seismic designer for all disciplines.

B. Pre-engineered and certified assemblies or pre-manufactured systems in accordance with the IBC with written certificates of compliance are acceptable.

C. Additional Vibration Control may be needed to isolate building systems from the building structure such as in specialized laboratories. Additional building structure design may be needed to accommodate highly sensitive equipment such as electron-microscopes.

PART 2  PRODUCTS (NOT USED)

PART 3  EXECUTION (NOT USED)

END OF SECTION