

Basis of Design

This section establishes minimum seismic design and installation criteria for Architectural and Electrical components that are permanently attached to the structure and for their supports and attachments.

Design Criteria

- The seismic design shall comply with the “Seismic Design Requirements for Nonstructural Components” of the latest edition of American Society of Civil Engineers Standard ASCE/SEI 7, “Minimum Design Loads for Buildings and Other Structures”.
- The design may be documented on the construction drawings or specified to be contractor designed.

Design Evaluation

The following information is required to evaluate the design:

- Design Development Phase: Draft specifications.
- Construction Document Phase: Complete design and specifications by project A/E. Structural calculations by a licensed structural engineer in the State of Washington.

Construction Submittals

- Shop drawings of anchoring and bracing system stamped by a licensed structural engineer in the State of Washington.
- All deferred structural calculation shall be submitted.
- Structural calculations stamped by a licensed structural engineer in the State of Washington.

Quality Assurance

- Provide inspection of all installation by an independent testing lab.

Related Sections

- Facilities Services Design Guide - General Requirements - Structural
- Facilities Services Design Guides - Architectural, Mechanical and Electrical

Products, Material and Equipment

- All steel exposed to the weather shall be hot dipped galvanized unless an acceptable alternate coating is specified.
- Powder driven fasteners are not allowable for use to resist seismic loads.

END OF DESIGN GUIDE SECTION