

Seismic Protection of non-structural components

General:

1. Seismic protection of non-structural components include: bracing and support of MEP, fire protection, and other critical building infrastructure, per IBC chapters 16 and 17, and ASCE 7 chapter 13.
2. The **Seismic Design Category (SDC)**, **Site Classification**, and the **Risk Category of the Building** shall be included on the code sheet of all construction drawings, whether the project scope of work includes structural work or not.
3. If the Site Classification cannot be determined via a geotechnical report, the code requires the Site Classification to be: “D”.
4. Online Seismic calculators can be used to determine the overall Seismic Design Category.
5. UM AHJ Code Determination #14 provides a tutorial for determining the SDC, applying importance factors per ASCE 7, and creating required seismic protection special inspection tables.
6. When seismic protection of non-structural components is required, ensure special inspection tables are included in the project drawings and insert specification 200800 in the project manual for bidding purposes and use by the seismic protection delegated designer.
7. Agreements for third party special inspectors shall include services for seismic protection special inspections as required.
8. Links for seismic calculators, UM Code Determination #14, and specification 200800 are provided below.

[ASCE Hazard Tool](#)

[U.S. Seismic Design Maps \(seismicmaps.org\)](http://seismicmaps.org)

[UM AHJ Code Determination #14](#)

[Seismic Protection spec 200800](#)

END OF SECTION