

SECTION 01 35 28

SEISMIC REQUIREMENTS NON-STRUCTURAL COMPONENTS

PART 1 GENERAL

1.1 PREFACE

- A. Nonstructural components that are permanently installed in or on the building shall be and installed to resist vertical loads and lateral forces stated in the IBC 2012/ ASCE 7-10 Chapter 13.
- B. Project is located on a site with the following Seismicity:

Structural Risk Category =	III	IBC 2012, Table 1604.5, page 336
Seismic Importance Factor, $I =$	1.25	ASCE 7-10 Table 1.5-2, page 5
Soil Site Class =	C	ASCE 7-10 Table 20.3-1 page 204, or as provided by Geotechnical Eng.
Spectral Acceleration, $S_s =$	0.260	ASCE 7-10 Figures 22-1 to 22-6, or USGS Seismic Maps
Spectral Acceleration, $S_1 =$	0.130	ASCE 7-10 Figures 22-2 to 22-6, or USGS Seismic Maps
$S_{DS} =$	0.206	$SDS = 2 \cdot SMS/3$, IBC 2012 Eqn. 16-39, page 367
$S_{D1} =$	0.145	$SD1 = 2 \cdot SM1/3$, IBC 2012 Eqn. 16-40, page 367
Seismic Design Category =	C	

1.2 RELATED WORK

- A. Division 01, Section 013300 – Submittal Procedures.

1.3 EQUIPMENT AND NON-STRUCTURAL ELEMENTS

- A. Equipment and non-structural elements shall comply with the requirements of the referenced codes above. Suppliers of equipment, assemblies, and systems shall be responsible for proper design and for furnishing adequate proof of proper design in accordance with the applicable building codes.
- B. Pieces of equipment are to be constructed so that seismic bracing items are concealed, as may be the case with transformers, vacuum systems, pumps, HVAC units and other mechanical equipment, and shall be installed, braced and anchored to meet the requirements of the applicable building codes.

PART 2 PRODUCTS

Not Used.

PART 3 EXECUTION

Not Used.

END OF SECTION