nVent CADDY Seismic Bracing

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WASHINGTON
OREGON
CALIFORNIA
NEVADA
IDAHO
MONTANA
WYOMING
UTAH
ARIZONA
COLORADO
NEW MEXICO
NORTH DAKOTA
SOUTH DAKOTA
NEBRASKA
KANSAS
OKLAHOMA
TEXAS
MINNESOTA
IOWA
MISSOURI
ARKANSAS
LOUISIANA
WISCONSIN
ILLINOIS
MICHIGAN
INDIANA
OHIO
KENTUCKY
TENNESSEE
MISSISSIPPI
ALABAMA
GEORGIA
FLORIDA
SOUTH CAROLINA
NORTH CAROLINA
VIRGINIA
WEST VIRGINIA
PENNSYLVANIA
NEW YORK
MARYLAND
DELAWARE
NEW JERSEY
RHODE ISLAND
CONNECTICUT
MASSACHUSETTS
VERMONT
NEW HAMPSHIRE
MAINE

ALASKA
ALEUTIAN ISLANDS
HAWAII
PUERTO RICO
150 %g
GUAM
100 %g
TUTUILA

NOTE: Qualification for general exemption from the anchorage and sway bracing requirements of the the Code is dependent on BOTH 0.2 sec and 1 second Spectral Response Acceleration criteria. Refer to the nVent CADDY Manual of Code Compliance Guidelines for instructions

EARTHQUAKE GROUND MOTION MAP

for

NEHRP Standard (FEMA)

(Related to Public Law 95-124 "Earthquake Hazards Reduction Act")

International Building Code (IBC)

and

ASCE 7

0.2 sec Spectral Response Acceleration (5% Critical Damping) Site Class B

CONTOUR INTERVALS, % g

The contour lines indicate the % g represented as an integer (S_S)

LEGEND OF CONTOUR INTERVAL RANGES

% g (S_S)	over	200	Very High
% g (S_S)	from	100 to 200	High
% g (S_S)	from	50 to 100	Moderately High
% g (S_S)	from	35 to 50	Moderate
% g (S_S)	from	15 to 35	Moderately Low
% g (S_S)	from	0 to 15	Low

The color coding of the contour interval ranges shown on this map are intended to give a graphic representation of the relative changes in the earthquake ground motion across the mapped areas. The break off points for these ranges are near some of the contour intervals, where the general requirements for earthquake bracing change based on the default Site Class D. Generally for Site Class D, earthquake bracing is required for Essential Facilities when the %g is above 15, and earthquake bracing is required in Essential Facilities & on Life Safety Systems in all buildings when the %g is above 33, and earthquake bracing is required for all non-structural building components of all buildings when the %g is above 54 (subject to all of the rules for exemption from bracing). Use the actual contour lines for determining the appropriate HLF in the nVent CADDY HLF Table, which determines the earthquake loads. Do not use the color coding of %g ranges for this purpose.

This unique Contour Map has been prepared at the direction of nVent CADDY based on maps indicating %g contour intervals for 0.2 sec Spectral Response Acceleration for Site Class B. This map is based on maps prepared by the USGS and distributed by the Building Seismic Safety Council (BSSC) for FEMA, maps prepared by the USGS which have been inserted in the International Building Code (IBC) and additional USGS data for County outlines and names. This unique Map was prepared in order to provide those required to comply with the International Building Code (IBC), the NEHRP Standard (FEMA) and ASCE 7 with a map that is large enough to be legible and includes clear outlines of Counties and their names.

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