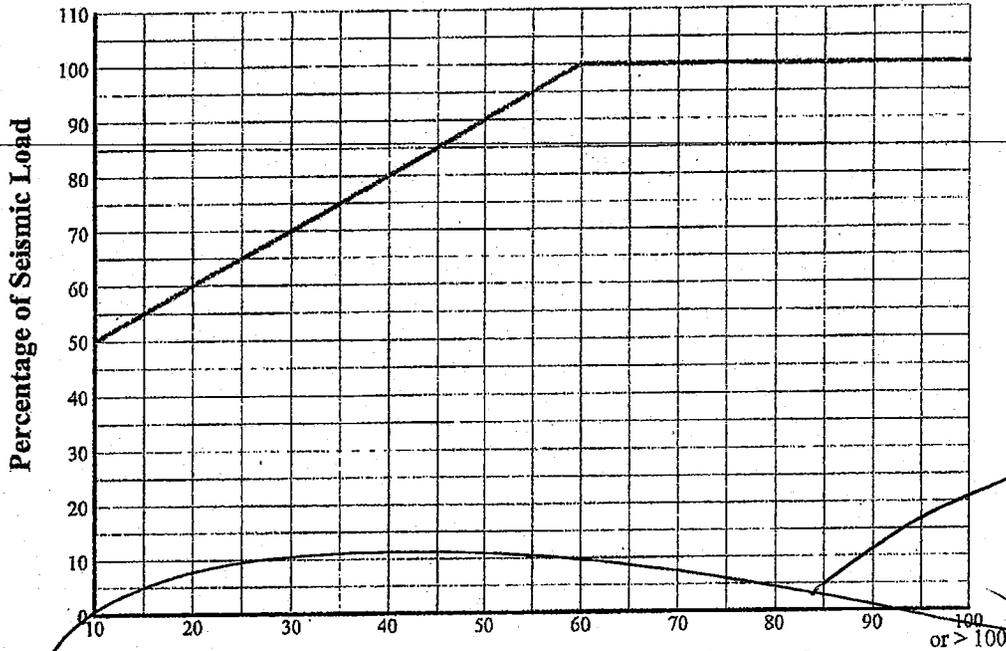


780 CMR 34.00 EXISTING STRUCTURES

780 CMR: STATE BOARD OF BUILDING REGULATIONS AND STANDARDS

EXISTING STRUCTURES

FIGURE 3408.1 PERCENTAGE OF THE SEISMIC LOAD SPECIFIED
IN 780 CMR 1614.0 AND 1615.0



LABELS
CUT OFF

3408.7.5.1 Buildings Designed for Additional Stories. For Post-1975 buildings which have been designed for additional stories, the seismic load and seismic criteria for new buildings of the basic code may be used in lieu of the criteria in 780 CMR 3408.7.5, Items 2. and 3., with the following conditions:

1. The building (or an addition for which provision was made for the additional stories) was constructed under a building permit whose date is not more than 15 years prior to the date of the application for a building permit for the additional stories.
2. The number of additional stories shall not be more than the number of additional stories provided for in the original design.
3. The size of any story shall not be larger than the footprint of the story immediately below. For partial stories, account shall be taken of torsion induced by the eccentricity.
4. For buildings whose basic code was prior to the 6th Edition of the State Building Code and have rigid or semi-rigid diaphragms, new shear walls or frames shall be located as necessary such that the eccentricity of the shear center at each level from the center of mass at that level is not more than 20% of the building width in each of two orthogonal directions. Alternatively, new shear walls or frames shall be located as necessary so that the building complies with ASCE 7, Section 9.5.5.5.2, as modified by 780 CMR 1615.0. The mass at any level

shall be all of the mass of the building at and above that level.

5. Buildings whose basic code was prior to the 6th Edition of the State Building Code and which have weak stories, as defined in ASCE 7, Table 9.5.2.3.3, shall be reinforced as necessary so that the building meets the criteria of ASCE 7, Section 9.5.2.6.2.4.

3408.7.6 Level 5 Work. For Level 5 work, each of the following lateral loads shall be applied to the building separately.

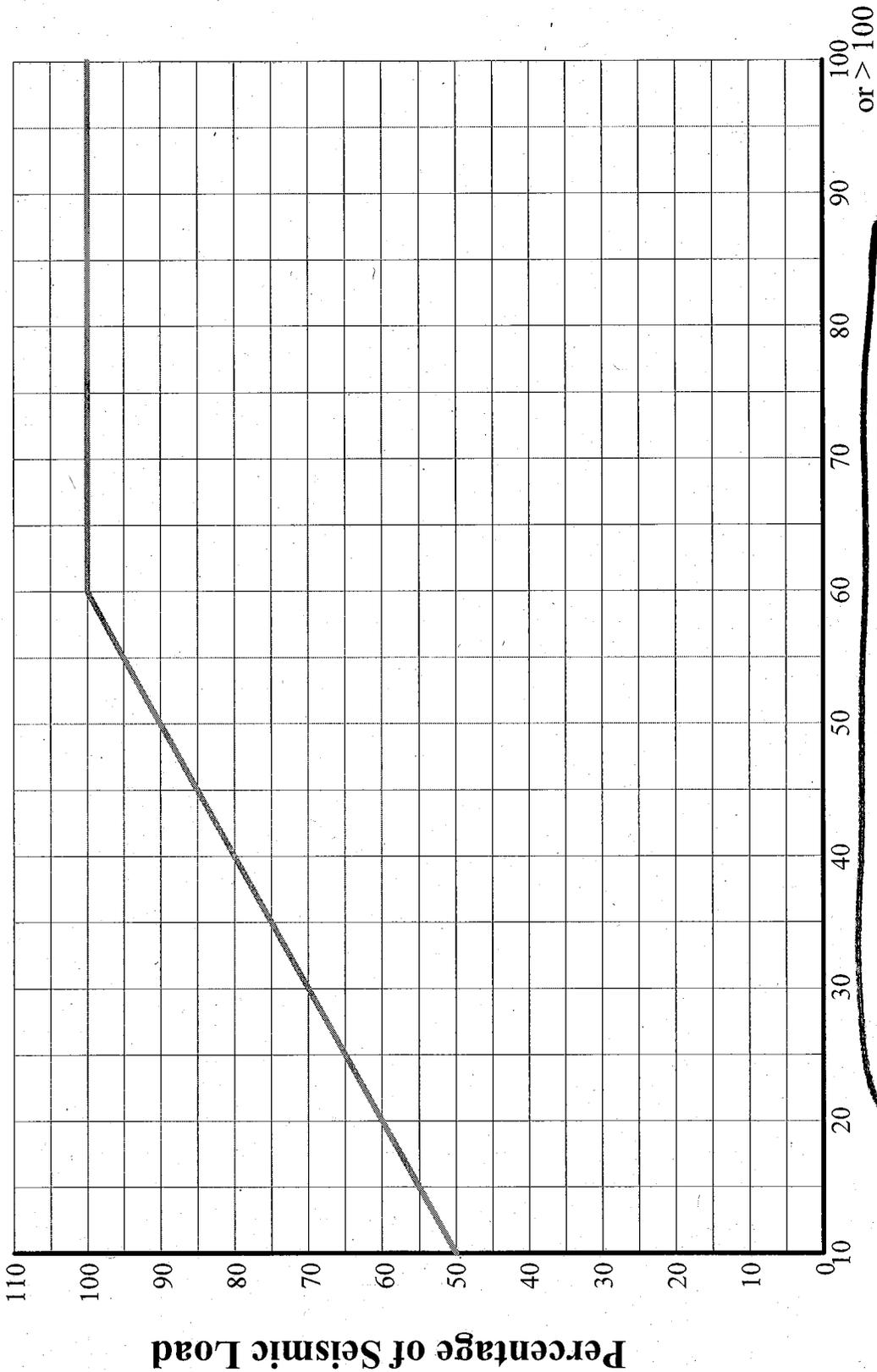
- 1 The wind load specified in 780 CMR 1609.0.
- 2 The seismic load specified in 780 CMR 1614.0 and 1615.0, in accordance with the seismic criteria of 780 CMR 1614.0 and 1615.0.

3408.7.7 Historic Buildings. House museums are exempt from the lateral load requirements of 780 CMR 3408.7. Preserved historic buildings shall meet all of the lateral load requirements of 780 CMR 3408.7.

3408.8 Gravity and Other Loads for Existing Buildings and Structurally Attached Additions.

3408.8.1 Live Load. Live load shall be in accordance with 780 CMR 1607.0, with the following exceptions:

3408.8.1.1 Reduced Live Load. Except for Use Groups, F, I, and S, wherever there is a new use in an existing building, and the new use requires a live load in accordance with



Percent Increase in Total Framed Floor and Roof Area or Effective Seismic Weight

Figure 3408-1
1-16-05

HERE'S MISSING LABEL