



City of Portland, Oregon
Bureau of Development Services
Plan Review Services
 FROM CONCEPT TO CONSTRUCTION

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**Meeting of the Structural Engineering Advisory Committee will be held At
 the Bureau of Development Services on July 31, 2018**

Room : BDS Conf Room 6(g) 2:00 PM – 3:00 PM

Agenda:

- 1) Introductions
- 2) Discuss possible recommendations for standards required for placarding of URM Buildings

Criteria under which building placards would not be required

1. Buildings have previously been retrofitted to Life Safety performance objective or better using FEMA-178, FEMA 310, ASCE 31, Life Safety performance level under BSE-1 and Collapse Prevention performance level under BSE-2 as defined in ASCE 41 or Oregon Structural Specialty Code, 1993 edition or later **OR**
2. An Engineer registered in Oregon can provide documentation showing that the structure meets or has been retrofitted to meet Life Safety performance level under BSE-1 and Collapse Prevention performance level under BSE-2 as defined in ASCE 41 **OR**
3. Documentation is provided which shows that the structure meets or has been retrofitted to meet all the following as a minimum:
 - a. Parapets, Chimneys, Cornices and other exterior architectural ornamentations are braced for out of plane loading
 - b. Exterior walls are attached to all floors and roof levels
 - c. The building has at-least a minimum of two lines of vertical elements of the lateral force resisting system parallel to each axis. Masonry walls shall have piers with a height to width ratio that does not exceed 2:1. Wall piers shall occupy not less than 40 percent of the wall’s length for the wall to be considered as providing a line of resistance
 Exception: If a design professional registered in Oregon can demonstrate that the flexural, shear and compressive strength Demand/Capacity ratio are equal to 2.0 or less for all walls when evaluated using ASCE 41
 - d. Exterior walls meet or exceed the following height to thickness ratios unless they have been retrofitted for out-of-plane loading

Wall types	Height to Thickness ratios
Walls of one-story buildings	13
First-story wall of multistory building	15
Walls in top story of multistory building	9
All other walls	13