6. Where continuous wood foundations in accordance with Section R404.2 are used, the force transfer shall have a capacity equal to or greater than the connections required by Section R602.11.1 or the braced wall panel shall be connected to the wood foundations in accordance with the braced wall panel-to-floor fastening requirements of Table R602.3(1).

R403.1.7 Footings on or adjacent to slopes. The placement of buildings and structures on or adjacent to slopes steeper than one unit vertical in three units horizontal (33.3-percent slope) shall conform to Sections R403.1.7.1 through R403.1.7.4.

R403.1.7.1 Building clearances from ascending slopes. In general, buildings below slopes shall be set a sufficient distance from the slope to provide protection from slope drainage, erosion and shallow failures. Except as provided in Section R403.1.7.4 and Figure R403.1.7.1, the following criteria will be assumed to provide this protection. Where the existing slope is steeper than one unit vertical in one unit horizontal (100-percent slope), the toe of the slope shall be assumed to be at the intersection of a horizontal plane drawn from the top of the foundation and a plane drawn tangent to the slope at an angle of 45 degrees (0.79 rad) to the horizontal. Where a retaining wall is constructed at the toe of the slope, the height of the slope shall be measured from the top of the wall to the top of the slope.

R403,1.7.2 Footing setback from descending slope, surfaces. Footings on or adjacent to slope surfaces shall be founded in material with an embedment and setback from the slope surface sufficient to provide vertical and lateral support for the footing without detrimental settlement. Except as provided for in Section R403,1.7.4 and Figure R403,1.7.1, the following setback is deemed adequate to meet the criteria. Where the slope is steeper than one unit vertical in one unit horizontal (100-percent slope), the required setback shall be

measured from an imaginary plane 45 degrees (0.7 rad) to the horizontal, projected upward from the toe the slope.

R403.1.7.3 Foundation elevation. On graded sites, top of any exterior foundation shall extend above elevation of the street gutter at point of discharge or inlet of an approved drainage device a minimum of inches (305 mm) plus 2 percent. Alternate elevation are permitted subject to the approval of the build official, provided it can be demonstrated that required that provided in the point of discharge and away from structure is provided at all locations on the site.

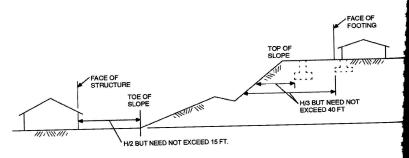
R403.1.7.4 Alternate setback and clearances. Al nate setbacks and clearances are permitted, subject the approval of the building official. The building cial is permitted to require an investigation and recomendation of a qualified engineer to demonstrate the intent of this section has been satisfied. Sudinvestigation shall include consideration of matchingth of slope, slope gradient, load intensity and sion characteristics of slope material.

R403.1.8 Foundations on expansive soils. Foundard floor slabs for buildings located on expansive shall be designed in accordance with Section 1808.6 International Building Code.

Exception: Slab-on-ground and other foundation tems which have performed adequately in soil or tions similar to those encountered at the building are permitted subject to the approval of the building official.

R403.1.8.1 Expansive soils classifications, meeting all four of the following provisions stronsidered expansive, except that tests to show cance with Items 1, 2 and 3 shall not be required test prescribed in Item 4 is conducted:

Plasticity Index (PI) of 15 or greater, determin accordance with ASTM D 4318.



For SI: 1 foot = 304.8 mm.

FIGURE R403.1.7.1
FOUNDATION CLEARANCE FROM SLOPES