CODE

COMMENTARY

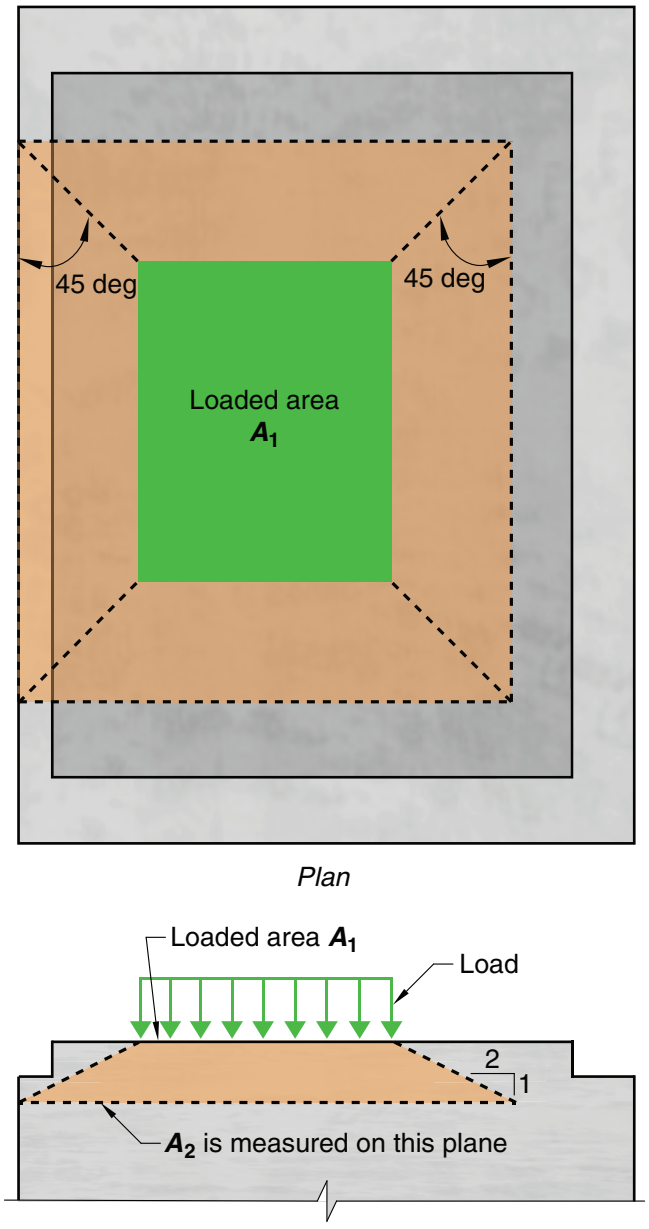

***Fig. R22.8.3.2**—Application of frustum to find A_2 in stepped or sloped supports.*

22.9—Shear friction

22.9.1 *General*

22.9.1.1 This section shall apply where it is appropriate to consider shear transfer across any given plane, such as an existing or potential crack, an interface between dissimilar materials, or an interface between two concretes cast at different times.

R22.9—Shear friction

R22.9.1 *General*

R22.9.1.1 The purpose of this section is to provide a design method to address possible failure by shear sliding on a plane. Such conditions include a plane formed by a crack in monolithic concrete, an interface between concrete and steel, and an interface between concretes cast at different times (Birkeland and Birkeland 1966; Mattock and Hawkins 1972).

Although uncracked concrete is relatively strong in direct shear, there is always the possibility that a crack will form in an unfavorable location. The shear-friction concept