



FIGURE 12.14-1 Notation Used in Torsion Check for Nonflexible Diaphragms

12.14.1.2 Reference Documents

The reference documents listed in Chapter 23 shall be used as indicated in Section 12.14.

12.14.1.3 Definitions

The definitions listed in Section 11.2 shall be used in addition to the following:

PRINCIPAL ORTHOGONAL HORIZONTAL DIRECTIONS: The orthogonal directions that overlay the majority of lateral force-resisting elements.

12.14.1.4 Notation

D = The effect of dead load
 E = The effect of horizontal and vertical earthquake-induced forces
 F_a = Acceleration-based site coefficient, see Section 12.14.8.1

F_i = The portion of the seismic base shear, V , induced at Level i
 F_p = The seismic design force applicable to a particular structural component
 F_x = See Section 12.14.8.2
 h_i = The height above the base to Level i
 h_x = The height above the base to Level x
 Level i = The building level referred to by the subscript i ; $i = 1$ designates the first level above the base
 Level n = The level that is uppermost in the main portion of the building
 Level x = See "Level i "
 Q_E = The effect of horizontal seismic forces
 R = The response modification coefficient as given in Table 12.14-1
 S_{DS} = See Section 12.14.8.1
 S_S = See Section 11.4.1