

CHAPTER 13—FOUNDATIONS

CODE

COMMENTARY

13.1—Scope

13.1.1 This chapter shall apply to the design of nonprestressed and prestressed foundations, including shallow foundations (a) through (f), deep foundations (g) through (i), and retaining walls (j) and (k):

- (a) Strip footings
- (b) Isolated footings
- (c) Combined footings
- (d) Mat foundations
- (e) Grade beams
- (f) Pile caps
- (g) Piles
- (h) Drilled piers
- (i) Caissons
- (j) Cantilever retaining walls
- (k) Counterfort and buttressed cantilever retaining walls

R13.1—Scope

While requirements applicable to foundations are provided in this chapter, the majority of requirements used for foundation design are found in other chapters of the Code. These other chapters are referenced in Chapter 13. However, the applicability of the specific provisions within these other chapters may not be explicitly defined for foundations.

R13.1.1 Examples of foundation types covered by this chapter are illustrated in Fig. R13.1.1. Stepped and sloped footings are considered to be subsets of other footing types.

The 2019 edition of the Code contains provisions for the design of deep foundations. These provisions are based in part on similar provisions that were previously included in **ASCE/SEI 7** and the **IBC**.