

780 CMR 18.00 FOUNDATIONS AND RETAINING WALLS

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1805.14 Footing seismic ties. Where a structure is assigned to Seismic Design Category D in accordance with Section ~~1615~~ ~~1616~~, individual spread footings founded on soil defined in Section 1615.1.1 as Site Class E or F shall be interconnected by ties. Ties shall be capable of carrying, in tension or compression, a force equal to the product of the larger footing load times the seismic coefficient S_{DS} divided by 10 unless it is demonstrated that equivalent restraint is provided by reinforced concrete beams within slabs on grade or reinforced concrete slabs on grade, by the lateral confinement provided by competent soil or rock surrounding the footing or by other approved means.

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1806.3.5 Seismic requirements. Tables 1806.3(1) through 1806.3(4) shall be subject to the following limitations in Sections 1806.3.5.1 and 1806.3.5.2 based on the seismic design category assigned to the structure as defined in Section ~~1615~~ ~~1616~~.

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1809.3.1 Materials. Structural steel piles, steel pipe and fully welded steel piles fabricated from plates shall conform to ASTM A 36, ~~A 242~~, A 252, A 283, ~~A 529~~, A 572, A 588, ~~or~~ A 913 ~~or~~ ~~A 992~~ as applicable.