

### **5.11.3.2.1 PILE ANCHORAGE INTO PILE CAP**

#### **Concrete-Filled Shell Piles**

Structures with concrete-filled shell piles in Seismic Zone 2 shall be anchored with steel dowels as specified in Article 5.12.9.1, with a minimum steel ratio of 0.01. Dowel embedment length shall not be less than the development length required for the reinforcement specified in Article 5.10.8.2.

#### **Steel Piles**

Structures with steel piles in Seismic Zone 2 shall be provided with anchoring devices to develop any uplift forces. The uplift force shall not be less than 10 percent of the factored axial compressive resistance of the pile.

#### **Revisions:**

Oct 2023

New article.