



DSA Structural Amendments under review are highlighted in GRAY

Template 18-12

2001 CBC - Chapter 18A

FOUNDATIONS AND RETAINING WALLS

**Section - 1809A - FOUNDATION CONSTRUCTION -
SEISMIC ZONES 3 AND 4**

Subsection(s) - 1809A.6 - 1809A.7.1

1 **1809A.6 Inspection of Piles.** *The installation of piles shall be*
2 *continuously observed by a qualified representative of the geo-*
3 *technical engineer responsible for that portion of the project. The*
4 *representative of the geotechnical engineer shall be examined by*
5 *the enforcement agency to determine his/her knowledge and expe-*
6 *rience in pile-driving operations. The enforcement agency shall*
7 *approve or reject the representative based on this examination*
8 *and his/her qualification record.*

9
10 *The representative of the geotechnical engineer shall make a re-*
11 *port of the pile-driving operation giving such pertinent data as the*
12 *physical characteristics of the pile-driving equipment, identifying*
13 *marks for each pile, the total depth of embedment for each pile;*
14 *and when the allowable pile loads are determined by a dynamic*
15 *load formula, the design formula used, and the permanent pene-*
16 *tration under the last 10 blows. One copy of the report shall be sent*
17 *to the enforcement agency.*

18
19 **1809A.7 Inspection of Caissons.**

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21 **1809A.7.1 Cast-in-place belled caissons.** *The provisions of Sec-*
22 *tion 1808A.2 shall apply to belled caissons. The belled base of*
23 *each pier shall be inspected by a qualified representative of the*
24 *geotechnical engineer to verify the bell size and foundation soil*
25 *classification. The sloped sides of the belled bases shall be limited*
26 *to a slope of 2 units vertical to 1 unit horizontal (200% slope) un-*
27 *less reinforced as for a concrete spread footing.*