



DSA Structural Amendments under review are highlighted in GRAY

Template 19-53

2001 CBC - Chapter 19A  
CONCRETE

Section - 1923A - ANCHORAGE TO CONCRETE

Subsection(s) - 1923A.3.5

1 1923A.3.5 Drilled-in expansion bolts or chemical-type anchors  
2 in concrete. When drilled-in expansion-type anchors are used in  
3 lieu of cast-in place bolts, the allowable shear and tension values  
4 and test loads shall be acceptable to the enforcement agency.  
5 When expansion-type anchors are listed for sill plate bolting  
6 applications, 10 percent of the anchors shall be tension tested.

7  
8 When expansion-type anchors are used for other structural  
9 applications, all such expansion anchors shall be tension tested.  
10 Expansion-type anchors shall not be used as hold-down bolts.

11  
12 When expansion-type anchors are used for nonstructural appli-  
13 cations such as equipment anchorage, 50 percent or alternate  
14 bolts in a group, including at least one-half the anchors in each  
15 group, shall be tension tested.

16  
17 The tension testing of the expansion anchors shall be done in the  
18 presence of the project inspector and a report of the test results  
19 shall be submitted to the enforcement agency. If any anchors fail  
20 the tension-testing requirements, the additional testing require-  
21 ments shall be acceptable to the enforcement agency. The above  
22 requirements shall also apply to bolts or anchors set in concrete  
23 with chemical if the long-term durability and stability of the chem-  
24 ical material and its resistance to loss of strength and chemical  
25 change at elevated temperatures are established to the satisfac-  
26 tion of the enforcement agency.

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