



DSA Structural Amendments under review are highlighted in GRAY

Template 23-30

2001 CBC - Chapter 23A  
WOOD

Section - 2320A - CONVENTIONAL LIGHT-FRAME  
CONSTRUCTION DESIGN PROVISIONS

Subsection(s) - 2320A.6

1 **2320A.6 Foundation Plates or Sills.** *Sills under bearing, exte-*  
2 *rior or shear walls shall be bolted to the masonry or concrete with*  
3 *not smaller than 5/8-inch by 12-inch (16 mm by 305 mm) bolts*  
4 *spaced not more than 4 feet (1219 mm) on center with a minimum*  
5 *of two bolts for each piece of sill plate. There shall be a bolt within*  
6 *9 inches (229 mm) of each end of each piece of sill. The effective*  
7 *embedment length in concrete of bolts designed to resist overturn-*  
8 *ing or uplift forces shall not include the embedment in 6-inch (152*  
9 *mm) or narrower concrete curbs. Where sills are bored or notched*  
10 *exceeding one third the sill width, extra bolts shall be required as*  
11 *given for ends of sill pieces. All sills shall bear on a level and com-*  
12 *petent concrete or masonry supporting surface.*

13  
14 *Sills under nonbearing interior partitions on concrete floor*  
15 *slabs shall be anchored at not more than 4 feet (1219 mm) on cen-*  
16 *ter to resist a shear of not less than 50 pounds per linear foot (0.7*  
17 *kN/m) acting either parallel or normal to the wall.*

18  
19 *The nominal thickness of the sills shall not be less than 3 inches*  
20 *(76 mm) when the wall is diagonally sheathed, and not less than*  
21 *2 inches (51 mm) in any event.*

22  
23 *Treated wood sills where cut, drilled or notched shall be treated*  
24 *with a preservative and approved by the architect and the enforce-*  
25 *ment agency on all exposed surfaces from which preservative*  
26 *treatment has been removed.*