



DSA Structural Amendments under review are highlighted in GRAY

**Template 23-32**

**2001 CBC - Chapter 23A**  
**WOOD**

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

**Subsection(s) - 2320A.11.1.1 - 2320A.11.2**

1 **2320A.11 Wall Framing.**

2

3 **2320A.11.1 Size, height and spacing. \* \* \***

4

5 *2320A.11.1.1 Size. Studs in exterior walls and interior bearing*  
6 *walls of buildings not more than two stories in height shall be not*  
7 *less than 2 inches by 4 inches (51 mm by 102 mm) in size. See Sec-*  
8 *tion 2308A. Interior nonbearing partitions may be framed with*  
9 *2-inch by 3-inch (51 mm by 76 mm) studs.*

10

11 *2320A.11.1.2 Height. Unless supported laterally by adequate*  
12 *framing, the maximum allowable height for studs shall be 10 feet*  
13 *(3048 mm) for 2-inch by 3-inch (51 mm by 76 mm) studs, 14 feet*  
14 *(4267 mm) for 2-inch by 4-inch (51 mm by 102 mm) and 3-inch by*  
15 *4-inch (76mmby 102 mm) studs, and 20 feet (6096 mm) for 2-inch*  
16 *by 6-inch (51 mm by 152 mm) studs.*

17

18 *When approved for use by the enforcement agency, the maxi-*  
19 *imum allowable height for utility studs shall be 8 feet (2438 mm)*  
20 *for load-bearing and for exterior wall studs, and 10 feet (3048*  
21 *mm) for interior nonload-bearing studs. When used in bearing*  
22 *walls, utility studs shall support not more than a roof and ceiling*  
23 *load.*

24

25 *2320A.11.1.3 Spacing. Studs supporting floors shall be spaced*  
26 *not more than 16 inches (406 mm) on center.*

27

28 **2320A.11.2 Framing details.** Studs shall be placed with their  
29 wide dimension perpendicular to the wall. Not less than three  
30 studs shall be installed at each corner of an exterior wall.

31

32 *Openings in stud walls or partitions shall have headers and a*  
33 *minimum of two studs at jambs, one stud of which may be cut to*  
34 *support the header in bearing.*

35  
36 **NOTE:** *See Section 2320A.11.6.*

37  
38 *Where wood and masonry or concrete walls intersect, the end*  
39 *stud shall be fastened with bolts or other devices at top, bottom*  
40 *and midheight, with at least the equivalent of one bolt of 1/2-inch*  
41 *(13 mm) diameter passing through the end stud and embedded in*  
42 *the masonry or concrete a minimum of 4 inches (102 mm). If the*  
43 *wall intersection is calculated to transfer loads greater than the*  
44 *capacity of the above requirement, the fastening shall be com-*  
45 *pletely detailed on the approved drawings. All studs shall be*  
46 *capped with double top plates, except at interior nonstructural*  
47 *partitions. End joints in double top plates shall be offset at least 48*  
48 *inches (1219 mm).*

49  
50 When bearing studs are spaced at 24-inch (610 mm) intervals  
51 and top plates are less than two 2-inch by 6-inch (51 mm by 152  
52 mm) or two 3-inch by 4-inch (76 mm by 102 mm) members and  
53 when the \* \* \* roof trusses which they support are spaced at  
54 more than 16-inch (406 mm) intervals, such joists or trusses shall  
55 bear within 5 inches (127 mm) of the studs beneath or a third plate  
56 shall be installed.

57  
58 Interior nonbearing partitions *not designed to resist shear* may  
59 be capped with a single top plate installed to provide overlapping  
60 at corners and at intersections with other walls and partitions. The  
61 plate shall be continuously tied at joints by solid blocking at least  
62 16 inches (406 mm) in length and equal in size to the plate or by  
63 1/8-inch by 1-1/2-inch (3.2 mm by 38 mm) metal ties with spliced  
64 sections fastened with two 16d nails on each side of the joint.

65  
66 Studs shall have full bearing on a plate or sill not less than 2 in-  
67 ches (51 mm) in thickness having a width not less than that of the  
68 wall studs.