

Table C3-1 (Continued)

Component						Load (psf)
Lightweight concrete, per inch						8
Sand, per inch						8
Stone concrete, per inch						12
FLOORS AND FLOOR FINISHES						
Asphalt block (2-in.), 1/2-in. mortar						30
Cement finish (1-in.) on stone-concrete fill						32
Ceramic or quarry tile (3/4-in.) on 1/2-in. mortar bed						16
Ceramic or quarry tile (3/4-in.) on 1-in. mortar bed						23
Concrete fill finish (per inch thickness)						12
Hardwood flooring, 7/7-in.						4
Linoleum or asphalt tile, 1/4-in.						1
Marble and mortar on stone-concrete fill						33
Slate (per mm thickness)						15
Solid flat tile on 1-in. mortar base						23
Subflooring, 3/4-in.						3
Terrazzo (1-1/2-in.) directly on slab						19
Terrazzo (1-in.) on stone-concrete fill						32
Terrazzo (1-in.), 2-in. stone concrete						32
Wood block (3-in.) on mastic, no fill						10
Wood block (3-in.) on 1/2-in. mortar base						16
FLOORS, WOOD-JOIST (NO PLASTER)						
DOUBLE WOOD FLOOR						
Joist sizes (in.)	12-in. spacing (1b/ft ²)	16-in. spacing (1b/ft ²)	24-in. spacing (1b/ft ²)			
2 × 6	6	5	5			
2 × 8	6	6	5			
2 × 10	7	6	6			
2 × 12	8	7	6			
FRAME PARTITIONS						
Movable steel partitions						4
Wood or steel studs, 1/2-in. gypsum board each side						8
Wood studs, 2 × 4, unplastered						4
Wood studs, 2 × 4, plastered one side						12
Wood studs, 2 × 4, plastered two sides						20
FRAME WALLS						
Exterior stud walls:						
2 × 4 @ 16-in., 5/8-in. gypsum, insulated, 3/8-in. siding						11
2 × 6 @ 16-in., 5/8-in. gypsum, insulated, 3/8-in. siding						12
Exterior stud walls with brick veneer						48
Windows, glass, frame, and sash						8
Clay brick wythes:						
4 in.						39
8 in.						79
12 in.						115
16 in.						155
Hollow concrete masonry unit wythes:						
Wythe thickness (in inches)		4	6	8	10	12
Density of unit (105 pcf)						
No grout		22	24	31	37	43
48 in. o.c.			29	38	47	55
40 in. o.c.	grout		30	40	49	57
32 in. o.c.	spacing		32	42	52	61
24 in. o.c.			34	46	57	67
16 in. o.c.			40	53	66	79
Full grout			55	75	95	115