

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					
Joint 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