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## NZS 3604:1990 Code of practice for light timber frame buildings not requiring specific design

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### Abbreviation

NZS 3604:1990

### Valid from

31/12/1990

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### Author

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### Description

Sets down construction requirements for light timber frame buildings not requiring specific design.

### Scope

This Standard sets down construction requirements for light timber frame buildings not requiring specific design within the limitations specified by 1.1.2,

Where by virtue of the ground topography, topographical and channelling effects as set out in 2.6 shall apply. This Standard applies only to buildings within the following limitations.

- (a) the floor load on suspended floors shall not exceed:
  - (i) 1.5 kPa or 2 kPa in balconies only, for buildings more than one storey in height;
  - (ii) 3 kPa for one storey in height only where the provisions of this Code are modified by Appendix H.
- (b) Buildings shall be Category IV buildings as described in table 2.3.1 of NZS 4203.
- (c) The total height from the lowest ground level to the highest point of the roof shall not exceed 10 m.
- (d) Single storey buildings which may include a storey height basement or a half storey floor area in the roof space to

comply with 4.1.2 shall be a building supported on any combination of the following foundation structures:

- (i) piles,
- (ii) foundation walls,
- (iii) concrete slab-on-ground.
- (e) Two storey buildings consisting of not more than two suspended timber floors shall be supported on foundation wall structures and piles or braced piles complying with section 4 or one suspended floor above a concrete slab-on-ground, or full storey height concrete masonry wall or including a foundation wall with an upper storey of timber.
- (f) Three storey buildings shall consist of no more than two storeys supported on timber framing, one of which shall be a part storey in a roof space, all supported on a full storey height on continuous reinforced masonry walls and foundation walls to the provisions of NZS 4229. The ground floor may be a concrete slab-on-ground or a suspended timber floor within the masonry walls.
- (g) The slope of any roof plane shall not be steeper than 60 degrees to the horizontal.
- (h) The design wind speed for buildings for different exposures are listed.
- (j) The snow load as specified by NZS4203 shall not exceed 0.5 kPa, provided that where the snow load exceeds 0.5 kPa but does not exceed 1.0 kPa, Appendix J shall apply.
- (k) Each part of the building shall be within the limitations stated or implied by the relevant clauses or tables of this Standard.
- (m) The plan floor area shall:
  - (i) be unlimited for buildings where all storeys are of timber frame,
  - (ii) not exceed 300 square metres for two storey buildings where the upper storey is of timber frame and the external walls of the lower storey are of reinforced concrete masonry,
  - (iii) 250 square metres for three storey buildings where the upper storeys are of timber frame and the lowest storey is of concrete masonry provided the top storey is contained within a roof space.

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