

Explanation of Rational Design (Refer to Part 1, Section 3, Table 1 and 2 of NHBRC Home Building Manual)

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| RD1 | Rational Design in respect of masonry walls, reinforced concrete roofs & floor slabs, retaining walls, beams and columns; reinforced masonry retaining walls, beams & columns; isolated timber or steel beams & columns; timber frames; timber trusses and steel roof trusses |
| RD2 | Foundation designs for homes of masonry construction designed in accordance with the SAICE/I.Struct.E Code of Practice for Foundations and Superstructures of Single Storey Residential Buildings of Masonry Construction |
| RD3 | Foundation designs for homes with foundations other than RD2 above or not founded on Class P (Dolomites/Limestone – D3) sites |
| RD4 | Design in respect of non-standardised construction systems or elements, which do not have an Agrément Board Certificate |
| RD5 | Nail-plated timber roof trusses |
| RD6 | Timber buildings |
| RD7 | Design in respect of non-standardised drainage construction, which does not have an Agrément Board Certificate |
| RD9 | Stormwater and Drainage installation in interconnected complexes |
| RD10 | Fire |
| RD11 | Glazing |
| RD12 | Basements/semi-basements |
| RD13 | Design of septic tanks below permanent or perched water tables; design of unlined VIP toilets |
| F3 | Placement of fills |
| F4 | Assess risk associated with areas underlain by dolomites and limestones |
| F5 | Mandatory precautions on sites underlain by dolomites/limestones on fully serviced sites |
| F6 | Removal of trees within building perimeter |
| F7 | Drainage in waterlogged areas |
| F8 | Departures from the provisions of Part 3 (Construction Standards) |