

NZwood Design Guides Road Map

Number	Group	Chapter #	Chapter
1.0	Forests and Wood	1.1	Introduction
		1.2	Trees, Timber Species, Properties
2.0	Sustainability	2.1	Timber, Carbon and the Environment
		2.2	Social and Economic Benefits of Timber Construction
3.0	Inspiration and Timber Forms	3.1	Structural Forms and Exemplars
		3.2	Safety in Design
4.0	Quantity Surveying	4.1	Costing Timber Buildings
5.0	Prefabrication	5.1	Prefabrication for Specifiers
		5.2	Prefabrication for Manufacturers
6.0	Consenting	6.1	Consenting Process for Timber Buildings
7.0	Construction	7.1	Construction Guidance and Considerations
8.0	Commentry on NZS1720	8.1	Timber Buildings and Earthquakes
9.0	Timber Systems	9.1	Trusses
		9.2	Portal Frames
		9.3	Pole Structures (Pole Sheds, Pole Houses, Retaining Walls, Foundations, Ground Stabilisation)
		9.4	Multi Residential Buildings
		9.5	Post and Beam Timber Buildings
		9.6	Panel Structures
		9.7	Timber Bridges
		9.8	Flooring and Cassette Systems
		9.9	Timber Concrete Composite Floors
		9.10	Resilience and Robustness of Structures
		9.11	Shear/Bracing walls
		9.12	Post tensioned Timber Structures
		9.13	Outdoor Structures (Decks, Pergolas, Carports, Verandas, Fences and Gates)
		9.14	Timber Arches
		9.15	Solid Wood and Log Houses
		9.16	Plywood Box Beams
		9.17	Sound Barriers
		9.18	Stairs, Balstrades and Handrails
		9.19	Windows, Doors, Joinery, Paneling
10.0	Wood Products	10.1	Sawn Timber
		10.2	Round Wood
		10.3	Structural Timber Composities (LVL, LSL, Parallam, I beams)
		10.4	Structural Panels (Plywood, OSB, SIPS, Triboard)
		10.5	Glulam, PLT
		10.6	CLT
		10.7	Composite Panels (MDF, Particle Board, Hardboard)
		10.8	Modified Wood Products (Thermal and Chemical)
11.0	Loads Member and System Design	11.1	Horizontal Beams (Rafter, Joists, Lintels, Purlins, Girts etc)
		11.2	Vertical Columns (Posts, Studs, Walls)
		11.3	Lateral Load Systems
		11.4	Diaphragms
12.0	Connections	12.1	Nails, Screws, Rivets and Staples
		12.2	Bolted and Dowel Connections
		12.3	Glued Connections
		12.4	Epoxied Steel Rods
		12.5	Standard Connection Details
		12.6	Holes, Notches and Cuts outs
13.0	Building Behaviour	13.1	Moisture
		13.2	Durability
		13.3	Treatments
		13.4	Timber Coatings
		13.5	Acoustics
		13.6	Fire Resistance and Spread of Flame
		13.7	Thermal Mass and Performance