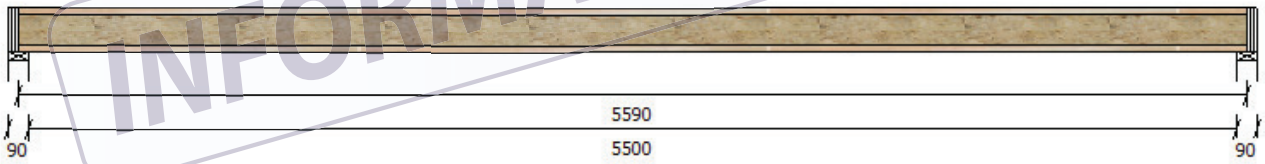
HYNE TIMBER Design 7.5

IBUILT™ Building Systems

Job Number: #1234
Job Description: New House
123 John Road
Town
NZ

Run by:
Licence: Trained User(Cert)
Company: I-Built Building Systems
Phone: 092686540

Certification Report



Section FJ1, Floor Joist Design
Use 300 LPI 70-T LPI-T - LP from LP Building Products
Min. end bearing length = 30mm

DIMENSIONAL DETAILS:

Span type is Single Span for a design length of 5590 mm
Theoretical spans are calculated as centrelines of supports, using the entered support widths and distances between supports.
Floor Joist spacing is 450mm centres

DESIGN DETAILS:

Flooring material of Particle Board (30)
Floor strength live load of 1.5 kPa
Floor deflection live load of 1.5 kPa
Wind Classification for this project is Ex-High

Ceiling material of 10mm P'Board (12)
Permanent Live Load of 0.6 kPa
Concentrated Live Load of 1.8 kN
Design ultimate wind pressure is 1.815 kPa
Design serviceability wind pressure is 1.270kPa

Snow Load Classification for this project is NoSnow (Snow load not required)

TIMBER DESIGN DETAILS (300 LPI 70-T LPI-T - LP)

k1 factors in accordance with NZS 3603-1993
Durability Class = 4
Creep Factor (j2) = 2
Creep Factor (j3) = 1 for tension members
k3 bearing factor for internal supports as per NZS 3603-1993
k5 grid factor in accordance with NZS 3603-1993
Capacity Factor = 0.90

Minimum Treatment Level None
Minimum Allowed j2 = 1
EMC (average moisture content) = 15%
k4/k6 laminating factors in accordance with NZS 3603-1993
k24 Size Factor if applicable built into section property data
For full loading data, see the engineering report

CERTIFICATION:

I hereby certify the I have carried out this design correctly, and that the input data for the design is correct. The above nominated section has only been designed for the loading and dimensional data stated above as having been used to generate this report.
I consider that I have adequate experience and training to calculate and input the required data for this design in the Hyne Design v7 Software. I am also familiar with the following codes, and the requirements of these codes and their application to the project I am designing:

AS/NZS 1170	Part 0: Structural design actions - General Principles 2002
	Part 1: Structural design actions - Permanent, imposed and other actions 2002
	Part 2: Structural design actions - Wind actions - 2011
	Part 3: Structural design actions - Snow and Ice Actions - 2003
NZS 3604	Timber Framed Buildings - 2011
NZS 3603	Timber Structures Standard - 1993

Wind design criertia is analysed and designed in accordance with AS/NZS 1170.2, and design wind velocities and descriptions

from NZS3604

EXCLUSION OF LIABILITY:

Hyne & Son Pty Ltd gives no warranties in relation to the use of the above mentioned section design and neither Hyne & Son Pty Ltd nor SUMMERMORE Pty Ltd will accept any liability for loss or damage, either direct or consequential, arising from the use of the above nominated section in an application not consistent with the input data used to generate this report or that requires additional data beyond the scope of the Hyne Design v7 Software.

Checked and certified by:

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I-Built Building Systems

Dated: .....