

Job Number: FCF1445 Badcock Residence

Job Description: Mid floor framing layout

Run by: Timber Design Solutions Ltd on 11/01/2005, at 11:55:15

Phone: 03 3486 880

Structural Timber Design in strict accordance with AS 1720.1-1997 and AS/NZS 1170.0 .. 1170.2-2002, AS/NZS 1170.3-2003, and modified to comply with requirements of NZS 4203-1992 where appropriate.

This project consists of the following design items:

FJ2(Joist span) - HI 30068 Origin® Hyne I-Beam by Hyne & Son Pty Ltd

Floor Joist: Single 1 m span, Spacing 0.4 m, Ply(30) flooring, P/Board(20) ceiling, 1.5kPa for strength, 1.5kPa for deflection, 1.8kN Point Load

FJ3(Joist span) - HI 30068 Origin® Hyne I-Beam by Hyne & Son Pty Ltd (Support at joint 3 indicates tie-down is required under gravity loads. This support requires special attention.)

Floor Joist: Continuous 4.67/0.72 m spans, Spacing 0.4 m, Ply(30) flooring, P/Board(20) ceiling, 2.0kPa for strength, 2.0kPa for deflection, 1.8kN Point Load

FJ4(Joist span) - HI 30068 Origin® Hyne I-Beam by Hyne & Son Pty Ltd

Floor Joist: Single 4.67 m span, Spacing 0.6 m, Ply(30) flooring, P/Board(20) ceiling, 1.5kPa for strength, 1.5kPa for deflection, 1.8kN Point Load

BR1(Beam supporting roof, ext wall, floor) - Origin® 2/300x45 Edgebeam by Hyne & Son Pty Ltd

Lower Storey Bearer: Single 1.59 m span, Joists at 0.4 m, Lower FLW 3 m + 3 m, RLW 3.02 m Pitch 27 deg, Sheet(20) roofing, P/Board(20) ceiling, Ply(30) flooring, P/Board(20) ceiling, 1.5kPa for strength, 1.5kPa for deflection, 1.8kN Point Load, High wind

L1(Beam supporting ext wall) - 2/HI 30068 Origin® Hyne I-Beam by Hyne & Son Pty Ltd

Lower Storey Lintel: Single 1.49 m span, Joists @ 0.6 m, FLW 0.3 m + 3 m, RLW 0 m, Pitch 0 deg, Ply(30) flooring, P/Board(20) ceiling, 1.5kPa for strength, 1.5kPa for deflection, 1.8kN Point Load, High wind

FJ6(Joist span) - HI 30068 Origin® Hyne I-Beam by Hyne & Son Pty Ltd

Floor Joist: Single 1.49 m span, Spacing 0.6 m, Ply(30) flooring, P/Board(20) ceiling, 1.5kPa for strength, 1.5kPa for deflection, 1.8kN Point Load

FJ7(Joist span) - HI 30068 Origin® Hyne I-Beam by Hyne & Son Pty Ltd

Floor Joist: Single 2 m span, Spacing 0.6 m, Ply(30) flooring, P/Board(20) ceiling, 2.0kPa for strength, 2.0kPa for deflection, 1.8kN Point Load

CERTIFICATION:

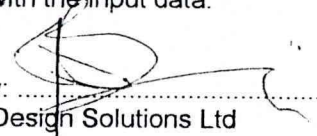
I hereby certify that above nominated section design have been designed applying the accepted principles of structural mechanics in accordance with the relevant building codes and industry standards as stated below:

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 - 2002
	Part 3: Structural design actions - Snow loads - 2003
AS 1720	Timber Structures - Part 1: Design - 1997
NZS 4203	Loadings Standard - 1992
GLTAA	Industry recommendations from the GLTAA - "Unified Design Criteria"

The design actions, methods, assumptions and other criteria used in these structural designs are precedent upon AS1720.1-1997 and AS1170-2002, in preference to other Standards listed above. Deflection limits recommended in AS1684.1-1999 are standard to the program, but may be varied by the operator.

The nominated section sizes have been designed for the loading and dimensional data stated above. Origin® Wood Solutions and Hunt Robinson Pty Ltd cannot accept liability for loss or damage, either direct or consequential, arising from the use of these products in an application not consistent with the input data.

HUNT ROBINSON Consulting Engineers
Stephen J Hunt BE(Civil)
(MIEAust #368737), (NPER),
(RPEQ #3731)

Checked by: 
for Timber Design Solutions Ltd

Date Checked: 11/1/05