

# AS 1684.3 C3 Supplement 5—2006

## **Residential timber-framed construction**

**Part 3: Cyclonic areas  
C3 Supplement 5: Timber framing span  
tables—Wind classification C3—  
Seasoned softwood—Stress Grade  
MGP 12  
(Supplement to AS 1684.3—2006)**



This Australian Standard Supplement was prepared by Committee TM-002, Timber Framing. It was approved on behalf of the Council of Standards Australia on 9 November 2005.  
This Supplement was published on 31 January 2006.

---

The following are represented on Committee TM-002:

A3P

Association of Consulting Engineers, Australia

Australian Building Codes Board

Building Research Association of New Zealand

CSIRO Manufacturing and infrastructures Technology

Engineered Wood Products Association of Australasia

Engineers Australia

Forest Industries Federation (WA)

Housing Industry Association

Master Builders, Australia

New Zealand Forest Industries Council

New Zealand Timber Industry Federation

Scion

South Australian Housing Trust

Structural Engineered Timber Manufactures Association, New Zealand

Timber and Building Materials Association, NSW

Timber Development Association, NSW

Timber Development Association of South Australia

Timber Queensland

---

### **Keeping Standards up-to-date**

Standards are living documents which reflect progress in science, technology and systems. To maintain their currency, all Standards are periodically reviewed, and new editions are published. Between editions, amendments may be issued. Standards may also be withdrawn. It is important that readers assure themselves they are using a current Standard, which should include any amendments which may have been published since the Standard was purchased.

Detailed information about Standards can be found by visiting the Standards Web Shop at [www.standards.com.au](http://www.standards.com.au) and looking up the relevant Standard in the on-line catalogue.

Alternatively, the printed Catalogue provides information current at 1 January each year, and the monthly magazine, *The Global Standard*, has a full listing of revisions and amendments published each month.

Australian Standards™ and other products and services developed by Standards Australia are published and distributed under contract by SAI Global, which operates the Standards Web Shop.

We also welcome suggestions for improvement in our Standards, and especially encourage readers to notify us immediately of any apparent inaccuracies or ambiguities. Contact us via email at [mail@standards.org.au](mailto:mail@standards.org.au), or write to the Chief Executive, Standards Australia, GPO Box 476, Sydney, NSW 2001.

# AS 1684.3 C3 Supplement 5—2006

## **Residential timber-framed construction**

### **Part 3: Cyclonic areas C3 Supplement 5: Timber framing span tables—Wind classification C3— Seasoned softwood—Stress Grade MGP 12 (Supplement to AS 1684.3—2006)**

First published as AS 1684.3 C3 Supp 5—1999.  
Second edition 2006.

#### **COPYRIGHT**

© Standards Australia

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of the publisher.

Published by Standards Australia GPO Box 476, Sydney, NSW 2001, Australia

ISBN 0 7337 7179 3

## LIST OF TABLES

### SINGLE OR UPPER STOREY

- 1 FLOOR BEARERS – Supporting single or upper storey loadbearing walls – FLW 1200
- 2 FLOOR BEARERS – Supporting single or upper storey loadbearing walls – FLW 2400
- 3 FLOOR BEARERS – Supporting single or upper storey loadbearing walls – FLW 3600
- 4 FLOOR BEARERS – Supporting single or upper storey loadbearing walls – FLW 4800
- 5 FLOOR BEARERS – Supporting floor load only
- 6 FLOORJOISTS
- 7 WALL STUDS – Not notched single or upper storey
- 8 WALL STUDS – Notched 20 mm single or upper storey
- 9 STUDS SUPPORTING CONCENTRATED LOADS – Not notched
- 10 STUDS SUPPORTING CONCENTRATED LOADS – Notched to 20 mm
- 11 JAMB STUDS – Single or upper storey
- 12 INTERNAL LOADBEARING WALL STUDS – Not notched single or upper storey
- 13 INTERNAL LOADBEARING WALL STUDS – Notched to 20 mm single or upper storey
- 14 BOTTOM PLATES - Supporting single or upper storey
- 15 TOP PLATES – Single or upper storey sheet roof
- 16 TOPPLATES- Single or upper storey tile roof
- 17 LINTELS – Sheet roof – Single or upper storey loadbearing walls
- 18 LINTELS – Tile roof – Single or upper storey loadbearing walls
- 19 LINTELS – Sheet roof – Supporting concentrated roof loads
- 20 LINTELS – Tile roof – Supporting concentrated roof loads
- 21 CEILING JOISTS – Supporting ceiling loads, no overbatten
- 22 CEILING JOISTS – Supporting ceiling loads with overbatten
- 23 HANGING BEAMS – Supporting ceiling loads
- 24 COUNTERBEAMS
- 25 STRUTTING/HANGING BEAMS – Supporting roof & ceiling loads
- 26 STRUTTING/COUNTER BEAMS – Supporting roof & ceiling loads
- 27 STRUTTINGBEAMS
- 28 UNDERPURLINS
- 29 RAFTERS OR PURLINS
- 30 RIDGE OR INTERMEDIATE BEAMS – Single span
- 31 RIDGE OR INTERMEDIATE BEAMS – Continuous span
- 32 ROOF BATTENS – Supporting roofing only

### LOWER STOREY OF TWO STOREY

- 33 FLOOR BEARERS – Supporting two storey loadbearing walls – FLW 1800
- 34 FLOOR BEARERS – Supporting two storey loadbearing walls – FLW 3600
- 35 FLOOR BEARERS – Lower Storey of two storey supporting upper and lower floor loads only
- 36 WALL STUDS – Not notched lower storey loadbearing walls
- 37 WALL STUDS - Notched to 20 mm lower storey loadbearing walls
- 38 STUDS – Not notched – Supporting concentrated floor loads
- 39 STUDS – Notched to 20 mm – Supporting concentrated floor loads
- 40 JAMB STUDS – Lower storey of two storey – FLW 1800
- 41 JAMB STUDS – Lower storey of two storey – FLW 3600
- 42 JAMB STUDS – Lower storey of two storey – FLW 4800
- 43 WALL STUDS - Not notched supporting floor loads only
- 44 WALL STUDS - Notched to 20 mm supporting floor loads only
- 45 BOTTOM PLATES – Lower storey of two storey
- 46 TOP PLATES – Lower storey of two storey
- 47 LINTELS – Lower storey loadbearing walls – Sheef roof
- 48 LINTELS – Lower storey loadbearing walls – Tile roof

### VERANDAHS, POSTS & DECKS

- 49 DECK BEARERS
- 50 DECK JOISTS
- 51 VERANDAH BEAMS – Single span
- 52 VERANDAH BEAMS – Continuous span
- 53 POSTS SUPPORTING ROOF AND/OR FLOOR LOADS