

# AS 1684.2 N3 Supplement 5—2010

## **Residential timber-framed construction**

**Part 2: Non-cyclonic areas  
N3 Supplement 5: Timber framing span  
tables—Wind classification N3—  
Seasoned softwood—Stress Grade  
MGP 12  
(Supplement to AS 1684.2—2010)**



This Australian Standard Supplement was prepared by Committee TM-002, Timber Framing. It was approved on behalf of the Council of Standards Australia on 21 December 2009. This Standard was published on 21 June 2010.

---

The following are represented on Committee TM-002:

- A3P
- Association of Consulting Engineers, Australia
- Australian Building Codes Board
- Australian Institute of Building
- Building Research Association of New Zealand
- CSIRO Manufacturing and Infrastructures Technology
- Engineered Wood Products Association of Australasia
- Engineers Australia
- Forest Industries Federation (WA)
- Frame and Truss Manufacturers Association Australia
- Housing Industry Association
- Master Builders, Australia
- New Zealand Timber Industry Federation
- Scion
- South Australian Housing Trust
- Timber and Building Materials Association, NSW
- Timber Development Association, NSW
- Timber Queensland

Additional Interests:

- Mr Peter Juniper
- 

Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Supplement through their representation on the Committee.

---

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

Australian Standards® are living documents that 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Standards may also be withdrawn.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 that may have been published since the Standard was published.

Detailed information about Australian Standards, drafts, amendments and new projects can be found by visiting [www.standards.org.au](http://www.standards.org.au)

Standards Australia welcomes suggestions for improvements, and encourages 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 Standards Australia, GPO Box 476, Sydney, NSW 2001.

---

# AS 1684.2 N3 Supplement 5—2010

## **Residential timber-framed construction**

### **Part 2: Non-cyclonic areas N3 Supplement 5: Timber framing span tables—Wind classification N3— Seasoned softwood—Stress Grade MGP 12 (Supplement to AS 1684.2—2010)**

First published as AS 1684.2 N3 Supp 5—1999.  
Second edition 2006.  
Third edition 2010.

#### **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 978 0 7337 9510 7

## 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 FLOOR JOISTS
- 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 TOP PLATES - 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 COUNTER BEAMS
- 25 STRUTTING/HANGING BEAMS – Supporting roof & ceiling loads
- 26 STRUTTING/COUNTER BEAMS – Supporting roof & ceiling loads
- 27 STRUTTING BEAMS
- 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 – Sheet 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