

Understanding the Timber Framing Code

SAA HB44--1993

Second edition 1992-93

A guide to
AS 1684--1992
The National Timber
Framing Code



TDA

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This Handbook is a joint publication by Standards Australia and The Timber Development Association of South Australia Incorporated. It was published on 31 May 1993.

It has been written by Brian Groves, the Association's Technical Manager and is based on the highly regarded South Australian edition.

The Handbook provides guidance on the use of the 1992 edition of *The National Timber Framing Code* and pays particular attention to the bracing and tie-down requirements.

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UNDERSTANDING THE TIMBER FRAMING CODE



By J. Brian Groves

A Guide to

**Australian Standard AS 1684 -1992
THE NATIONAL TIMBER FRAMING CODE.**

First published as SAA HB44—1993.

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Section One

INTRODUCTION

& INDEX

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**Amendment No. 1
to
SAA HB44—1993
Understanding the Timber Framing Code**

REVISED TEXT

The 1993 edition of SAA HB44 is amended as follows; the amendment should be inserted in the appropriate place.

SUMMARY: This Amendment applies to TFC Guide Nos. 002, 010, 027, 040, 067, 074, 075, 077, 088, 115 and 117.

Published on 5 June 1995.

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The contents of this document are co-ordinated with the sections of the Code, to create an explanatory flow system when using the Code.

Supplement No. 9 of AS 1684 for F5 Seasoned Softwood has been selected to prepare all technical guides and examples to explain the correct procedure when using the tables. However, all of the 22 supplements in the Code are based on the same format, the only variation being sizes and stress grades. The Guides can therefore be applied to any of the Supplements in the Code.

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P R E F A C E

In 1989, the Timber Development Association of South Australia published the first edition of a guide to the Timber Framing Code, AS1684.

The guide was produced in response to requests from people unfamiliar with the Code, for some information, which would provide an introduction to it and explain some of its finer points.

With the publication of the 1992 edition of the National Timber Framing Code, it became necessary to revise the guide.

This completely re-written and greatly expanded Second Edition has been published as a joint venture between Standards Australia and the Timber Development Association of South Australia. The guide may not be reproduced in part or as a whole without the prior permission of these two organisations.

The author gratefully acknowledges the assistance of the J. W. Gottstein Memorial Trust which awarded him a fellowship, to undertake the necessary research to prepare this edition of the guide.

The author also wishes to acknowledge the help and advice of the Timber Development Association of South Australia's Executive Director, Peter Llewellyn, and the expertise of Shaun Meers of Cowells Building Products, Port Adelaide, who used his word processing and CAD skills to convert the rough drafts into their final form.

J. BRIAN GROVES LFAIBS, MAIC

Technical Manager

Timber Development Association of South Australia Inc.

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J W GOTTSTEIN MEMORIAL TRUST FUND

The **Joseph William Gottstein Memorial Trust Fund** was established in 1971 as a national educational Trust for the benefit of Australia's forest products industries. The purpose of the fund is "to create opportunities for selected persons to acquire knowledge which will promote the interests which use forest products for the production of sawn timber, plywood, composite wood, pulp and paper and similar derived products."

Bill Gottstein was an outstanding forest products research scientist working with the Division of Forest Products of the Commonwealth Scientific Industrial Research Organisation (C.S.I.R.O.), when tragically he was killed in 1971, photographing a tree-felling operation in New Guinea. He was held in such high esteem, by the industry, that he had assisted for many years that substantial financial support to establish an Educational Trust Fund to perpetuate his name was promptly forthcoming.

The Trust has three major forms of activity :-

- (1) Fellowship – Each year applications are invited from eligible candidates to submit a study programme in an area considered to be of benefit to the Australian forestry and forest industries. Study tours undertaken by Fellows have usually been to overseas countries but several have been within Australia. Fellows are obliged to submit reports on completion of their programme. These are then distributed to industry if appropriate.
- (2) Study Tours – Industry group study tours are arranged periodically and have been well supported.
- (3) Seminars – The information gained by Fellows is often best disseminated by seminars as well as through the written reports.

Further information may be obtained by writing to:

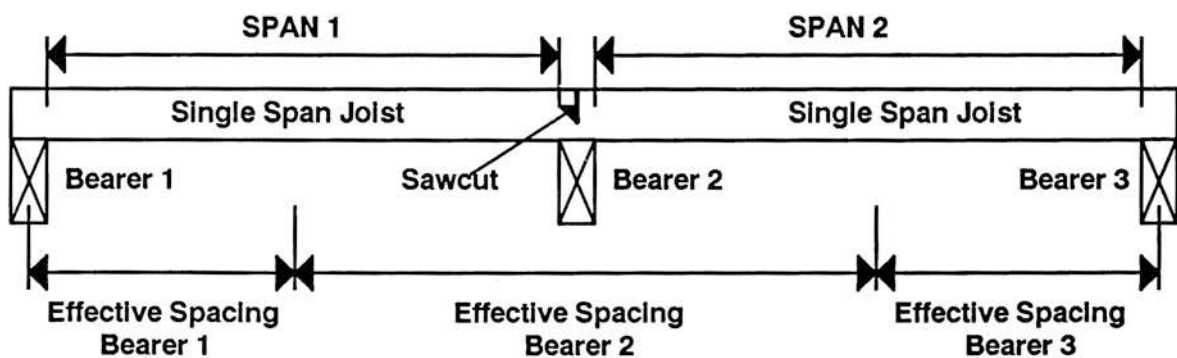
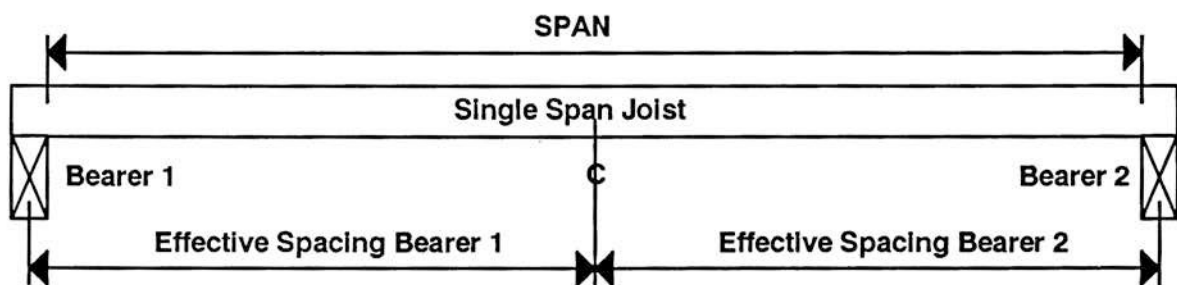
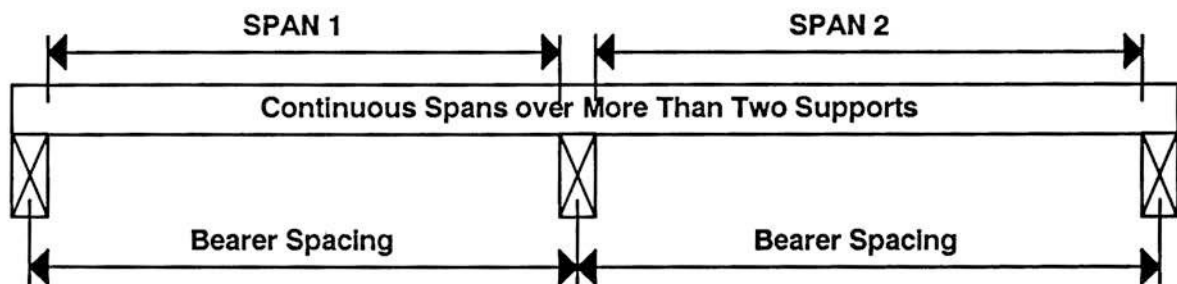
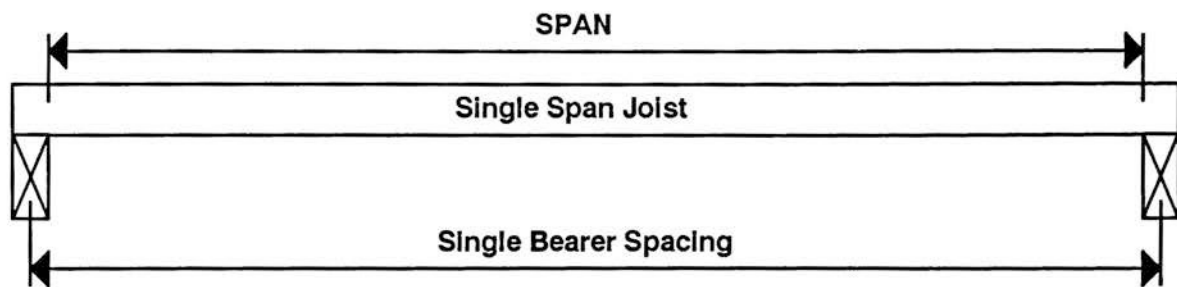
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Section Two
**BASIC
DEFINITIONS**



Necessary Information Required for the Selection of Single Spans, Continuous Spans, Spacing and Effective Spacings for Bearers & Joists.



NOTE:

Regardless of their length, if joists and bearers are partially cut through over supports to correct bow or spring, they shall be deemed to be supported at two points only.

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