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| Autore                  | Mindham C. N (Chris N.)   |
| Titolo                  | Roof construction and loft conversion [[electronic resource] /] / C.N. Mindham  |
| Pubbl/distr/stampa      | Oxford, : Blackwell, 2006   |
| ISBN                    | 1-280-74874-5<br>9786610748747<br>0-470-76399-X<br>0-470-75969-0<br>1-4051-7326-2   |
| Edizione                | [4th ed.]   |
| Descrizione fisica      | 1 online resource (258 p.)  |
| Disciplina              | 690.15<br>690/.15<br>695  |
| Soggetti                | Roofs - Design and construction<br>Framing (Building)<br>Lofts - Remodeling   |
| Lingua di pubblicazione | Inglese   |
| Formato                 | Materiale a stampa  |
| Livello bibliografico   | Monografia  |
| Note generali           | Description based upon print version of record.   |
| Nota di bibliografia    | Includes bibliographical references and index.  |
| Nota di contenuto       | Roof Construction and Loft Conversion; Contents; Preface; Acknowledgements; 1 The Development of the Pitched Roof; Primitive roof forms; The coupled roof; Stability; Ceilings; Trusses; Design for economy; Standard design roofs; Bolt and connector joints; Trussed rafters; Cost advantages; Legislation; 2 Roof Shapes and Terminology; Terminology; 3 The 'Traditional' or 'Cut' Roof; Design; The common rafter and purlin roof; The hip roof; The mono pitch roof truss; The valley structure; Attic roofs; Roof lights and roof windows; Additional design considerations<br>4 Attic Construction Using Modern Engineered Timber ComponentsThe floor; Attic construction using engineered timber components; 5 Bolted Truss Roof Construction; The joints; Truss assembly; The split-ring connector; Accuracy; Standard designs; The roof construction; Bolted truss hips; Valleys; Structural openings; Roof stability; 6 The Construction of Trussed Rafter Roofs; Performance in use; Design; |

Design information; Quality control; Inspection and quality assurance; The construction of a trussed rafter roof; Hip end roofs; Valleys and intersecting roofs; Trimmings for openings

Attic and loft roofs Openings for dormers, roof windows and stairwells in attic trussed rafter roofs; Bracing the attic trussed rafter roof;

Trussed rafter shapes; 7 Truss Plate Systems; Systems available; Computer programs; Training; Technical data; Metalwork; Hip roof construction; Valleys; Attic trusses; Raised tie trusses; Punched nail

plate joists, rafters and purlins; Future developments; 8 Roof Construction Detailing; General; Storage and handling of timber and timber components; Preservative treatment; Wall plates and fixings; Gable ends, ladders, gable restraints and separating walls

Water tank platforms Ventilation of roof voids; Bracing; Eaves details; Trimming small openings; Infill; 9 Loft Conversions; Development of

the loft; The early attic; Floors and ceilings; Cottages; Wasted space; The final blow; Examining conversion possibilities; Decision making

considerations; Typical roof types; Letting in light; Can we stand up?; Valley; Access to the attic; The last resort; 10 Obligations - Visual

Impact on Your Home; The planning application; The structural impact on the home; 11 The Conversion; Making a start; The survey; Plans and

specification

Writing the specification Impact on occupants during conversion;

Builders' stores and materials; 12 Solutions; Basic accommodation; The common roof; Bolted truss and trussed rafter roofs; Roof replacement;

Ventilating the roof void; Openings for dormers and roof windows;

Conclusions; Bibliography, Standards and Technical References; Index

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## Sommario/riassunto

Full of detailed construction drawings, this book covers cut roofs, bolted truss roofs, trussed rafter roofs, trimmed openings and ventilation. A major section deals with loft to attic room conversions, giving guidance on planning procedures, as well as dealing with structural matters and specifying conversion work. The Fourth Edition features a new chapter covering the growing number of engineered timber components available in the house building industry. The use of I beams and roof cassettes is detailed for roof and room-in-the-roof construction. The text has been fully update

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