

Flat Roof Construction Manual

Roof Construction ManualRoof Construction ManualFlat Roof Construction ManualFlat Roof Construction ManualFlat Roof Construction ManualDesign and Application Manual for New Roof ConstructionRoof Deck Construction ManualInstallation, Care, and Maintenance of Wood Shake and Shingle RoofsModern Construction EnvelopesConstruction Materials ManualCedar Shake and Shingle Bureau Design and Application Manual for New Roof ConstructionComplete Roofing HandbookRed Cedar Shingle and Shake Design and Application Manual for New Roof ConstructionThe Green Roof ManualBuilding Construction HandbookThe Roof Building ManualHandbook of Building ConstructionHandbook of Building ConstructionThe Roofing, Cornice and Skylight ManualThe Low-slope Membrane Roofing Construction Details Manual Eberhard Schunck Eberhard Schunck Klaus Sedlbauer Klaus Sedlbauer Klaus Sedlbauer Cedar Shake & Shingle Bureau, Bellevue, Wash Steel Deck Institute (U.S.) Andrew Watts Manfred Hegger Cedar Shake & Shingle Bureau James E. Brumbaugh Linda McIntyre Frederick S. Merritt Lloyd Hiddle George Albert Hool George A. Hool National Roofing Contractors' Association

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the roof construction manual is a comprehensive reference work on the construction of pitched roofs containing over 1800 plans and 220 photographs thirteen fundamental roof types and the relevant materials including thatch wood slate tile concrete fibrous cement bitumen glass metal membranes and synthetic materials are documented in detail essential topics such as ventilation vapour and wind seals insulation and drainage renovation and energy conservation are examined as with all the construction manuals some 38 built examples illustrate the theoretical details paying particular attention to important features such as the ridge hip eaves roof valley verge and penetration a compact presentation of the load bearing physics and structures as well as current norms and standards make this volume an indispensable standard work for all architects and engineers

this book is a vital reference work on the construction of pitched roofs it offers extensive and fundamental information on all common types of roofing and

provides practical details for their construction bookjacket

often described as the fifth façade the flat roof is extremely popular with architects its essential task is to shelter the space beneath it from the elements beyond this the use of flat roofs may be optimized by integrating them as green roofs roof terraces circulation areas and even productive solar roofs in practice however their correct and professional realization is a highly exacting task in addition to providing the planner with basic rules of construction and design the flat roof manual also supplies an overview of the use and construction types as well as the standard assemblies for flat roofs together with the most important standards and bodies of regulations construction drawings of the principal connection points round out the volume

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this article gives general guidelines for selection installation finishing and maintenance of wood shake and shingle roofs the authors have gathered information from a variety of sources research publications on wood finishing technical data sheets from paint manufacturers installation instructions for shake and shingle roofs and interviews with experts having decades of experience in constructing and inspecting shake and shingle roofs where possible recommendations are based on research results however some information is determined from practical experience installing shake and shingle roofs more detailed information is available from shake and shingle suppliers and the cedar shake and shingle bureau cssb note installation instructions contained herein are not intended to supercede local building codes

modern construction envelopes deals with the facade and roof as an integral part of the building allowing a holistic approach to the design of the building envelope and providing greater design freedom the book is aimed at readers who want to extend their knowledge of wall and roof construction beyond the information given in the modern construction handbook using state of the art construction principles of modern facade and roof systems the third edition of this classic has been fully brought up to date it contains new examples in all chapters and presents the projects in revised new 3d drawings and in 27 ar

applications that can be accessed free of charge via smartphone and tablet

the manual addresses fundamental questions of sustainability including life span environmental impact and material cycles while also presenting material innovations all of the principal conventional and innovative construction materials are documented with attention to their production treatment surfaces connections and characteristics

this text covers types of roofs roofing and reroofing roof and attic insulation and ventilation skylights and roof openings dormer construction roof flashing details and more it also contains information on code requirements underlaying and attic ventilation

green roofs the ultimate in sustainable building practices continue to generate enormous interest and enthusiasm among architects landscape designers and urban planners increasingly strict stormwater regulations and the appeal of leed related projects have also boosted the popularity and desirability of green roofs those who want to build green roofs however have few resources to guide them until now no book has taken a comprehensive look at how to effectively adapt green roof technology to the variable and extreme north american climate and how to design projects that will function and endure as successfully as those in germany switzerland and other european countries this book fills the gap by providing an overview of practices and techniques that have been effective in north america the authors offer options regarding structure function horticulture and logistics as well as surveys of actual projects and analyses of why they have or haven t succeeded approachable and reader friendly the manual clearly explains how these complex systems function and how to plan and carry out projects successfully from concept through construction and maintenance ideally suited to professionals including architects landscape architects engineers and designers and their clients it brings together key lessons from leaders in the field numerous photographs highlight the range of design possibilities and show green roofs both during construction and at various stages of maturity at last those seeking basic information about how to design and build green roofs have a concise authoritative guide to this exciting new technology

this step by step guide is full of easy to follow instructions an indispensable aid for teaching apprentices plus quick and easy to use tables and bevels for all roof pitches from 5 degrees to 75 degrees bevels are drawn on the page ready to transfer directly to the bevel tool inside back page

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