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das nachschlagewerk zur konstruktion mit holz und holzwerkstoffen mit einem ausführlichen kapitel zum thema Ökologie bauphysikalischen grundlagen mit den schwerpunkten wärme schall und brandschutz im bereich der tragwerksplanung spielen die neuen verbindungsmittel eine wichtige rolle facades they are the first feature of a building to be noticed they determine its distinctive appearance and are often the subject of controversial debate this new first edition of the facade construction manual provides a systematic survey of contemporary expertise in the application of new materials and energy efficient technologies in facade design and represents an invaluable addition to our series of construction manuals it surveys the facade design requirements made by various types of buildings as well as the most important materials from natural stone through to synthetics and documents a diversity of construction forms for a wide range of building types over 100 international case studies in large scale detailed drawings are presented in the comprehensive project section whether it be as translucent sheets broadly stretched membranes and inflated foil cushions or in graceful organic curves architecture today is utilizing plastics in the most disparate forms and for a wide variety of purposes innovative technical developments are constantly improving its material properties at the same time there is a growing new awareness of its potential as a construction material while plastics used to be employed primarily as an inexpensive variant on traditional building materials they are increasingly regarded in the construction world today as a serious and viable alternative be it as supporting structures roofs facades or elements of interior design and decoration thanks in large part to this inherent self sufficiency plastics are currently enjoying an unprecedented surge in popularity even among the international architectural avant garde as multiwall sheets or corrugated fiber reinforced panels or as filling between glass panes and the new generation of

ecological bioplastics also pays tribute to the debate on sustainability ridding plastics of their lingering reputation as environmental offenders from the history of plastics and membranes in architecture to their material properties and requirements in construction and design the plastics and membranes construction manual cuts to the chase providing the kind of solid and comprehensive overview of the subject that readers have come to expect from the im detail series selected project examples round off the reference work and make it indispensable for the day to day life of the professional planner and for every architecture library this manual is a comprehensive and indispensable reference work in the specialist literature on timber chapters cover the significance of timber with particular reference to ecology is also investigated timber as a load bearing material is considered and topics such as new methods of joining transport and montage are also documented cover das flachdach dieser bei architekten beliebte und gerne als fünfte fassade beschriebene gebäudeteil sollte im wesentlichen den darunter liegenden raum vor witterungseinflüssen schützen darüber hinaus optimiert die integration flacher dächer als gründach dachterrasse verkehrsfläche oder gar als ertragreiches solardach den nutzen die fachgerechte realisierung in der praxis ist jedoch anspruchsvoll der flachdach atlas verschafft dem planer neben grundsätzlichen konstruktionsregeln einen Überblick über die nutzungs und konstruktionsarten sowie die regelaufbauten für flachdächer zusammen mit den wichtigsten normen und regelwerken runden konstruktionsdarstellungen der wesentlichen anschlusspunkte die publikation ab publisher description glass offers a wide variety of possible applications for the realization of even the most ambitious designs in architecture and in the past two decades it has experienced an unparalleled burst of innovation for planners this means working constantly with this high performance material in compact and appealing form the completely revised glass construction manual presents the current state of the art on planning and building with glass from the history through the technical foundations all the way to the most innovative applications astonishing perspectives on thermal insulation and solar protection and the addition of thoughtfully selected new practical examples round off this comprehensive reference work 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 soccer stadiums airports theaters museums it falls to very few architects to tackle spectacular building tasks like these the everyday work of most architects is more often focused on manageable projects like the renovation remodeling or rebuilding of single and multi family houses schools and offices whatever the nature of the building task interior construction is always a significant design and qualitative challenge that calls for highly detailed technical expertise after all it affects the realm that will be brought to life and utilized by the user when the task is finished and whose aesthetic and functional serviceability will be put to the test each and every day the interior construction manual supports planners in their daily work as a practical planning aid and reference work with the relevant standards guidelines reference details and constructional solutions all illustrated by built example projects it brings together the crucial facts on all aspects of interior construction and presents the key fundamentals of building physics fire protection interior construction systems and openings in addition it offers concrete tips on integrated planning approaches energy and sustainability issues materials used in interior construction hazardous substances and dealing with building services and light planning

popularity of the single family house is undiminished perhaps more than any other field in

architecture the private house has witnessed tremendous changes in recent years and not only with regard to user needs rising energy and resource costs have emphasized the topicality of subjects such as multi functionality the use of innovative materials and sustainable building and increased their importance this fully revised and expanded second edition responds to these current developments the overall structure and layout of the volume as well as the clear and comprehensive project documentation are maintained as a guide to the topic the authors provide extensive comments on planning solutions in relation to current projects while at the same time offering an in depth introduction to single family house planning ranging from floor plan design to useful tips on execution these contributions are complemented by 22 international project documentations which provide insights for planners students and clients alike organized according to construction materials each house is presented in detail from the foundation to the roof illustrated with sequential sections in detail single family houses is a source of inspiration and a planning aid for everyone faced with the task of building a house book jacket 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 edition of the industry standard on architectural detailing includes new sections covering analysis and modification of existing details and design of new details both basic and advanced revised to address sustainability and to reflect the international building code architectural detailing continues to deliver reliable insightful information on how to design details that will be water and airtight control the flows of heat and water vapor adjust to all kinds of movement age gracefully be easy to construct and still look good conveniently organized by the three major concerns of the detailer function constructibility and aesthetics this edition features richly illustrated examples of detail design case studies and practical exercises new and revised patterns showing form constructibility and aesthetics everything you need whether a student or professional to design details that work order your copy today deals with the various forms of opening such as doors

roof have been painstakingly researched and the uniform presentation makes the information immediately accessible inviting comparison and analysis the authors provide explanatory introductions to the fundamental aspects of planning from the design of the floorplans to the realization and they set this type of building within the context of the 20th century pointing towards the potential developments of the single family house

Timber Construction Manual 2004-01-01

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Facade Construction Manual 2012-12-10

facades they are the first feature of a building to be noticed they determine its distinctive appearance and are often the subject of controversial debate this new first edition of the facade construction manual provides a systematic survey of contemporary expertise in the application of new materials and energy efficient technologies in facade design and represents an invaluable addition to our series of construction manuals it surveys the facade design requirements made by various types of buildings as well as the most important materials from natural stone through to synthetics and documents a diversity of construction forms for a wide range of building types over 100 international case studies in large scale detailed drawings are presented in the comprehensive project section

Construction Manual for Polymers + Membranes 2012-12-17

whether it be as translucent sheets broadly stretched membranes and inflated foil cushions or in graceful organic curves architecture today is utilizing plastics in the most disparate forms and for a wide variety of purposes innovative technical developments are constantly improving its material properties at the same time there is a growing new awareness of its potential as a construction material while plastics used to be employed primarily as an inexpensive variant on traditional building materials they are increasingly regarded in the construction world today as a serious and viable alternative be it as supporting structures roofs facades or elements of interior

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Timber Construction Manual 2004

this manual is a comprehensive and indispensable reference work in the specialist literature on timber chapters cover the significance of timber with particular reference to ecology is also investigated timber as a load bearing material is considered and topics such as new methods of joining transport and montage are also documented cover

Flat Roof Construction Manual 2012-12-17

das flachdach dieser bei architekten beliebte und gerne als fünfte fassade beschriebene gebäudeteil sollte im wesentlichen den darunter liegenden raum vor witterungseinflüssen schützen darüber hinaus optimiert die integration flacher dächer als gründach dachterrasse verkehrsfläche oder gar als ertragreiches solardach den nutzen die fachgerechte realisierung in der praxis ist jedoch anspruchsvoll der flachdach atlas verschafft dem planer neben grundsätzlichen konstruktionsregeln einen Überblick über die nutzungs und konstruktionsarten sowie die regelaufbauten für flachdächer zusammen mit den wichtigsten normen und regelwerken runden konstruktionsdarstellungen der wesentlichen anschlusspunkte die publikation

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Timber Construction Manual 2005

publisher description

Glass Construction Manual 2012-12-10

glass offers a wide variety of possible applications for the realization of even the most ambitious designs in architecture and in the past two decades it has experienced an unparalleled burst of innovation for planners this means working constantly with this high performance material in compact and appealing form the completely revised glass construction manual presents the current state of the art on planning and building with glass from the history through the technical foundations all the way to the most innovative applications astonishing perspectives on thermal insulation and solar protection and the addition of thoughtfully selected new practical examples round off this comprehensive reference work

Roof Construction Manual 2013-01-21

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

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Single Family Houses 2005

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

Construction Materials Manual 2006

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Architectural Detailing 2003-01

this edition of the industry standard on architectural detailing includes new sections covering analysis and modification of existing details and design of new details both basic and advanced revised to address sustainability and to reflect the international building code architectural detailing continues to deliver reliable insightful information on how to design details that will be water and airtight control the flows of heat and water vapor adjust to all kinds of movement age gracefully be easy to construct and still look good conveniently organized by the three major concerns of the detailer function constructibility and aesthetics this edition features richly illustrated examples of detail design case studies and practical exercises new and revised patterns showing form constructibility and aesthetics everything you need whether a student or professional to design details that work order your copy today

Ark 2005

deals with the various forms of opening such as doors windows ventilation elements and fixed glass panes and their materialization which also varies according to function special attention is give to the subject of edges

Das Schweizer Buch 2005

Das Schweizer Buch 2005 is a comprehensive guide to the Swiss architectural scene. It covers a wide range of topics, including architecture, urban planning, and landscape design. The book is written in German and is a valuable resource for anyone interested in Swiss architecture. It includes a detailed section on soc system on a chip basic application specific integrated circuit. The book is published by the Swiss architectural association and is available in both print and digital formats.

Architectural Detailing 2007

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Choice 2003

when looking for appropriate building solutions in tropical and subtropical regions the chief aim is saving energy and reducing pollutant emissions as much as possible natural ventilation passive and active use of solar energy use of rainwater and also the energy potential of the soil are the key issues here traditional urban and building structures described in an exemplary fashion by local architects for a wide variety of locations provide a stimulus for thinking about positive elements developed by master builders of the past as well alongside all the technical possibilities that exist today

American Book Publishing Record 2005

the external facades of a building are more than a protective mantle or an intelligent skin regulating temperature and light they also determine its very appearance by unusual choices of materials and the use of complex technology facades have become increasingly significant in recent years external surfaces are being perceived as an integral part of the building and are therefore being designed as such this volume focuses on the wide ranging aspects of facade design from the selection and use of materials to the advanced technical possibilities now open to the architect a wide array of carefully selected international examples show the theory in the practice all plans details and large scale sections of the facades have been researched with the high degree of competence typical of the editorial staff from the review detail expert authors provide the essential information needed to plan and design facades and elucidate on the latest developments in technology and materials

1937

Manual of Guitar Technology 1981

The New Schaff-Herzog Encyclopedia of Religious Knowledge

1911

The New Schaff-Herzog Encyclopedia of Religious Knowledge

1977

1949 New York Eviction and Rent Manual, Under Federal, State

and City Laws 1949

Single Family Houses 2000

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