

The Architecture of Glass: Shaping Light



The Architecture Of Glass Shaping Light

AN Whitehead



The Architecture Of Glass Shaping Light:

The Architecture of Glass Francisco Asensio Cervera, 1997 **Translucent Building Skins** Scott Murray, 2013-05-07

Exploring the design of innovative building enclosure systems or skins in contemporary architecture and their precedents in earlier twentieth century modern architecture this book examines the tectonics the history and the influence of translucency as a defining characteristic in architecture Highly illustrated throughout with drawings and full colour photographs the book shows that translucency has been and continues to be a fertile ground for architectural experimentation Each chapter presents a comparative analysis of two primary buildings a recent project paired with a historical precedent highlighting how architects in different eras have realized the distinctive effects of translucency The included buildings span a variety of program types ranging from a single family residence to a factory to a synagogue Whether it is Pierre Chareau s glass lens curtain wall at the Maison de Verre Frank Lloyd Wright s wall of stacked glass tubes at the Johnson Wax Research Tower or Peter Zumthor s use of acid etched glass in a double skin envelope at the Kunsthau Bregenz the included projects each offer an exemplary case study of innovations in materiality and fabrication techniques Today among many contemporary architects there is an engagement with new technologies new material assemblies and new priorities such as sustainability and energy efficiency A resurgent interest in translucency as a defining quality in buildings has been an important part of this recent dialogue and this book makes essential reading for any architect looking to incorporate aspects of translucency into their buildings

Materials for Design Victoria Ballard Bell, Patrick Rand, 2006-08-03 *Materials for Design* provides the foundation for a strong design sensibility intertwined with material knowledge Divided into five sections glass concrete wood metal and plastic *Materials for Design* makes a thorough study of each material s properties history permutations and production techniques Sixty case studies by today s most inventive architects from around the world including Baumschlager Eberle Sean Godsell Werner Sobek and ARO show these materials put to imaginative use illustrating how their application informed each building s ultimate form and structure

BOOK JACKET **Design-tech** Jason Alread, Thomas Leslie, 2007

Chapters are Introduction Basic Design Parameters Pre Design Circulation Materials Structural Design Buildings Components and Building Services **Rafael Viñoly** Rafael Viñoly, 2002-11-21 Rafael Viñoly became famous as the architect of the stunning Tokyo International Forum 1989 1996 In Japan where land is at a premium and public spaces are rare the Forum with its 2.7 hectares and unusual design of public space was widely admired Originating in Uruguay Viñoly heads an architectural office with an impressive list of projects in the areas of architecture urban planning and interior design including significant buildings such as the Philadelphia Regional Performing Arts Center which opened recently Princeton University Stadium the New Bronx Supreme Criminal Court Complex In 1969 Viñoly founded his first office in Buenos Aires which was influenced by the Modern Movement but also by the ideas and concepts of the 1960s reflected in the work of Buckminster Fuller Archigram and the Smithsons Due to the political situation he emigrated and opened an office in New

York in 1982 Despite the difficulties involved in starting over again in a new country where in the meantime post modernism was prevalent Vinoly stayed true to his style of architecture feeling bound to the ethical considerations of modernism yet constantly questioning it adapting it to changing conditions With offices in New York and Tokyo Rafael Vinoly Architects is now one of the most successful architectural offices worldwide This book documents a large number of Vinoly's most significant buildings and projects It also includes an essay by Joan Ockman one of the best known architecture theoreticians in the USA and texts by Rafael Vinoly on his career which has been marked by the difficult political situation in Argentina and the cultural exchange between S America Europe and the USA

Ten Years, Realized Works Erick van Egeraat, 2005 The work of EEA as presented in this retrospective of the past 10 years of its work covers the full architectural gamut including public educational residential interior design exhibition design and the design of furniture and objects

Light: The Shape of Space Lou Michel, 1995-10-27 *Light The Shape of Space* Designing with Space and Light Lou Michel Every design professional who touches a space shapes the light and the feeling of that space Architect lighting engineer interior designer lighting or home furnishing manufacturer each contributes an aesthetic layer sometimes yielding unexpected results All too often the best laid plans of one professional are unintentionally subverted by another Removing surprises and guess work from design Lou Michel honored architectural lighting educator has created *Light The Shape of Space* showing how to design with the effects of light rather than light itself The book is a revolutionary resource for all design professionals and manufacturers of surfacing materials Drawing on over fifteen years experience of research and teaching in the architectural Space and Light Laboratory at The University of Kansas Michel masterfully examines the interrelationship of lighting and the design of architectural space as perceived not in architectural photos or paint chips and fabric swatches but by human vision the gateway to emotional response The book was written for professionals who care about how people feel in the spaces they design and focuses on the humanization of architecture Taking a non stylistic approach to design Michel analyzes architecture from the perspective of how the users see their surroundings as they move through space The reader will learn what pleases and what disturbs people based on how the human visual system responds to color texture pattern and brightness The book features principles of design for the student and professional and is generously supported by illustrations and research Michel also provides a method for evaluating the visual effectiveness of building materials and lighting systems including those that will appear on the market long after this book is dog eared Michel unveils a groundbreaking luminance brightness rating system LBR and a nine zone brightness scale to aid designers in previsualizing the appearance of surfacing materials at every stage of the design process from schematics to development to refinement Among the topics treated are the interaction of lighting and spatial design color theory for space and light the luminance relationships between free standing objects and the surrounding spatial boundaries against which they are seen the appearance of building materials in color and brightness when modified by light and spatial location lighting spatial

connections including the perception of rooms adjacent to the observer lighting and perception of spaces screened by architectural grilles creating lighted space Designing with the effects of light is both an art and a science No other book on the market bridges that gap as successfully as *Light The Shape of Space* The Architectural Review ,1998 **American Handcrafts (Exploring Traditions Series)** Pasquale De Marco,2025-04-12 Embark on a captivating journey into the world of American handcrafts where creativity skill and cultural heritage intertwine *American Handcrafts Exploring Traditions and Techniques* is a comprehensive exploration of the rich tapestry of handmade treasures that have shaped the nation's artistic landscape From the intricate carvings of Native American artisans to the delicate porcelain of early European settlers this book delves into the diverse origins and influences that have contributed to the vibrant handcraft traditions of America Discover the techniques materials and inspirations behind exquisite creations that reflect the nation's multicultural heritage Join us as we visit the workshops and studios of master artisans across the country where passion and dedication breathe life into breathtaking works of art Learn the secrets behind the intricate patterns of Navajo rugs the vibrant colors of Amish quilts and the timeless beauty of Shaker furniture Meet the individuals who pour their hearts and souls into preserving centuries old traditions while embracing contemporary innovations As we traverse the diverse regions of America we uncover the unique handcraft traditions that have flourished in each corner of the country From the rustic charm of Appalachian dulcimers to the elegant silverwork of the Southwest each region boasts its own distinctive style and techniques Explore the influence of geography climate and available materials on the development of these diverse art forms resulting in a stunning array of artistic expression American handcrafts are not merely decorative objects they are vessels of history culture and personal expression They tell the stories of the people who created them the communities they lived in and the values they held dear Through the study of American handcrafts we gain a deeper understanding of the nation's past and present and the enduring spirit of creativity that continues to inspire and uplift *American Handcrafts Exploring Traditions and Techniques* is a celebration of the artistry skill and cultural significance of these handmade treasures From the humble beginnings of frontier crafts to the sophisticated creations of contemporary artisans American handcrafts continue to captivate and inspire serving as a testament to the enduring power of human creativity If you like this book write a review on google books Michigan Technic ,1926 The Civil engineer & [and] architect's journal ,1853 *The Gesamtkunstwerk in Design and Architecture* Anders V. Munch,2021-04-16 The history of modern design and architecture has seen many attempts to embrace and merge different art forms and to bring art into the framing of everyday life and the organisation of modern society in a process understood as total design or total architecture These attempts were historically based on the romanticist idea of merging all art forms into a uniting and transgressing work of art mostly associated with but certainly not limited to Richard Wagner's theoretical writings and musical dramas This utopian dream of the Gesamtkunstwerk or Total Work of Art was intended both to bring unity to the people and to bring art into the everyday life of their homes as well as

into factories cities and even modern media As a result the experiments ranged from music poetry and drama to architecture design visual communication and city planning These ideas of merging art forms into more immersive and transgressive installations or design interventions to change everyday life are widespread today but their complex and often problematic roots are mostly ignored Design and architecture have delivered some of the broadest and most influential experiments with the Gesamtkunstwerk from garden cities for workers and corporate identity design to the German AEG corporation

New Sacred Architecture Phyllis Richardson, 2004 This timely book reflects an awakening of interest in religious faiths and the emergence of a global exchange of architecture and culture While Spain's Rafael Moneo has recently completed a cathedral in Los Angeles Britain's Thomas Heatherwick is designing a Buddhist temple in Japan John Pawson is working on a Cistercian monastery in the Czech Republic and Richard Meier has completed his Jubilee Church in Rome It seems as one Wallpaper registered pundit commented religion is getting a redesign and the architect's faith is as unimportant as his or her nationality I Looking at ways in which contemporary architects are approaching religious or meditative space this book focuses on churches chapels temples synagogues and mosques that have been built in the last few years and that represent a late twentieth early twenty first century aesthetic

Architect and Engineer of California, 1923

Architecture - Comfort and Energy M. Sala, C. Gallo, A. A. M. Sayigh, 1999-02-22 In this book we seek to approach the architecture energy combination and its relationship to human comfort and the environment There are chapters on thermal comfort low energy architecture dealing with various criterion for comfort in different parts of the World The book also seeks to understand how previous generations lived in harsh climates and without abundant sources of energy yet managed to design and build appropriate dwellings providing both comfort and harmony with the environment Other chapters deal with the bioclimatic concept in Vernacular Architecture the major role which climate plays at different locations and how this can dictate the shape and form of the buildings and save energy the importance of micro climate and its various elements and usage ventilation and its importance in buildings and the technology for modern architecture

The Architect, 1892

The Architect and Contract Reporter, 1915

The British Architect, 1886

Smart Materials in Architecture, Interior Architecture and Design Axel Ritter, 2006-11-21 The use of smart materials in architecture is a dynamic and innovative area merging research development and use Smart materials with their reversible characteristics respond to stimuli such as light temperature and electrical field by changing their form color viscosity etc One of the most fascinating developments is the advent of Phase Change Materials These materials make it possible for example to develop self acting kinetic facades and wallpaper that changes its color and pattern based on temperature and light The book presents the development of these materials and also describes their use in the contexts of architecture design and art It offers a systematic overview with a detailed discussion of properties technologies products and projects based on twenty groups of smart materials

American Architect and Architecture, 1892

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