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## How to Build a Skyscraper

"45 skyscrapers are examined for their pioneering technology, sustainability, and other characteristics that set them apart. Each building is presented with a large photograph with cross-section drawings plus fact boxes listing location, year of completion, height, stories, primary functions, owner/developer, architect, structural engineer, and construction firm. The buildings examined are distributed over the world's most developed regions of North America, Europe, Asia, and Australia."--

## Building the Skyline

## The Birth and Growth of Manhattan's Skyscrapers

Oxford University Press The Manhattan skyline is one of the great wonders of the modern world. But how and why did it form? Much has been written about the city's architecture and its general history, but little work has explored the economic forces that created the skyline. In Building the Skyline, Jason Barr chronicles the economic history of the Manhattan skyline. In the process, he debunks some widely held misconceptions about the city's history. Starting with Manhattan's natural and geological history, Barr moves on to how these formations influenced early land use and the development of neighborhoods, including the dense tenement neighborhoods of Five Points and the Lower East Side, and how these early decisions eventually impacted the location of skyscrapers built during the Skyscraper Revolution at the end of the 19th century. Barr then explores the economic history of skyscrapers and the skyline, investigating the reasons for their heights, frequencies, locations, and shapes. He discusses why skyscrapers emerged downtown and why they appeared three miles to the north in midtown-but not in between the two areas. Contrary to popular belief, this was not due to the depths of Manhattan's bedrock, nor the presence of Grand Central Station. Rather, midtown's emergence was a response to the economic and demographic forces that were taking place north of 14th Street after the Civil War. Building the Skyline also presents the first rigorous investigation of the causes of the building boom during the Roaring Twenties. Contrary to conventional wisdom, the boom was largely a rational response to the economic growth of the nation and city. The last chapter investigates the value of Manhattan Island and the relationship between skyscrapers and land prices. Finally, an Epilogue offers policy recommendations for a resilient and robust future skyline.

## Design a Skyscraper

QEB Publishing Find out what it takes to build high in the sky. Follow each stage of the project and complete the math exercises to build one of the world's tallest buildings! We're counting on YOU to do the math! Featuring maths problems from addition and decimals to line graphs and pie charts, these books have different challenges to be solved with a varying range of difficulty.

## The Heights

### Anatomy of a Skyscraper

Penguin A gorgeous graphic tour of the inner workings of skyscrapers—from the author of *The Works Indispensable* and unforgettable, *The Heights* is the ultimate guide to the way skyscrapers work—from the bases of their foundations to the peaks of their spires. With skyscrapers becoming essential elements of urban life, there has never been a greater need for understanding and embracing these complex structures. Using innovative illustrations to tackle the vast complexity of these buildings, *The Heights* explores with remarkable insight every aspect of designing, building, and maintaining a modern skyscraper, as well as the individuals who build and maintain these architectural cathedrals. In the process, *The Heights* provides a remarkable snapshot of urban life at the dawn of the twenty-first century.

### The International Style

W. W. Norton & Company The most influential work of architectural criticism and history of the twentieth century, now available in a handsomely designed new edition.

### Supertall: How the World's Tallest Buildings Are Reshaping Our Cities and Our Lives

W. W. Norton & Company The global boom in skyscrapers—why it's happening now, how they're made, and what they do to cities and people. We are living in a new urban age, and its most tangible expression is the "supertall": megastructures that are dramatically bigger, higher, and more ambitious than any in history. Cities around the world are racing to build the first mile-high building, stretching the limits of engineering and design as never before. In this fascinating work of urban history and design, TED resident Stefan Al—himself an experienced architect—explores the factors that have led to this worldwide boom. He reveals the marvelous and underappreciated feats of engineering that make today's supertalls a reality, from double-decker elevators that silently move up to 50 miles per hour to the sophisticated blend of polymers and steel fibers that enables concrete to withstand 8,000 tons of pressure per square meter. Taking readers behind the scenes of the building and design of remarkable megastructures, both from the past (the Empire State Building, St. Paul's Cathedral, the Eiffel Tower) and the present (Dubai's Burj Khalifa, London's Shard, Shanghai Tower), Al demonstrates the impact of these innovations. Yet while the supertall is undoubtedly a testament to great technological victories, it can come at an environmental and social cost. Focusing on four global cities—London, New York, Hong Kong, and Singapore—Al examines the risks of wealth inequality, carbon emissions, and contagion that stem from supertalls. And he uncovers the latest innovations in sustainable building, from skyscrapers made of wood to tree-covered buildings, that promise to yield a better urban future. Featuring more than thirty architectural drawings, *Supertall* is both a fascinating exploration of our greatest accomplishments and a powerful argument for a more equitable way forward.

## Skyscrapers

Black Dog & Leventhal Pub Now, bigger than ever, this long-awaited revised edition of Judith Dupré's best-selling *Skyscrapers* is a giant celebration of today's most significant superstructures. It features an all-new design with full-color photographs, 10 new buildings, and informative updates throughout. Unique in scale and design, *Skyscrapers* explores in-depth more than 60 buildings, including One World Trade Center, Burj Dubai, the Shanghai World Financial Center, the Petronas Towers, the Tribune Tower, the Lipstick Building, and the Phare Tower. This completely revised and full-color edition presents 10 new buildings, among them The Shard in London (2012, Renzo Piano), the International Commerce Centre in Hong Kong (2010, Kohn Pedersen Fox), the Shanghai Tower (2014, Gensler Architects), and the Kingdom Tower in Jeddah (2018, Adrian Smith), which will be the tallest building in the world when completed. Arranged chronologically by date of building construction, each informative spread has photos of the featured building from various angles, building plans, diagrams, the building's historical background, and technological information. *Skyscrapers* also offers additional information on such topics as the ancient roots of skyscrapers and visionary cities of the future, as well as a fascinating interview with Philip Johnson, together with other profiles. New topics include the era of the megatall building, the building of a skyscraper, and the explosive growth of skyscrapers in Dubai and China. Also includes interview with Adrian Smith. Praise for *Skyscrapers*: "Drama. Treachery. Innovation. Massive buildings. Bigger egos. *Skyscrapers* has it all." -- Patrick J. Foye, Executive Director, Port Authority of New York & New Jersey "Dupré makes the most of a century of neck-craning architecture." -- The Washington Post "Breathtaking. Magnificent, unique, very special. Exquisite. One-of-a-kind. Well researched. Beautifully designed." -- Robert J. Bruss, Tribune Media Services Praise for *Bridges*: "Dupré captivates the eye, mind and imagination." -- The New York Times

## How to Read Skyscrapers

### A Crash Course in High-Rise Architecture

Throughout history, the story of the skyscraper has been defined by our desire for ascendance--politically, militarily, economically, religiously, culturally, and, of course, physically. These spectacular superstructures epitomise more than architectural aspiration, they excite the imagination and inspire awe. The scope of the book is deliberately broad with a thematic first section and a geographical second section. Conceptual chapters, introduce the origins of our desire to build high and explore the skyscraper's role in fuelling our imaginations through different modes of cultural expression. How To Read Skyscrapers offers a deep and rich understanding of the skyscraper by providing a comprehensive account of this unique and captivating building-type, from its origins in myth and legend to its future potential in satisfying humankind's needs and aspirations.

## Skyscrapers

### A Social History of the Very Tall Building in America

McFarland This history of skyscrapers examines how these tall buildings affected the cityscape and the people who worked in, lived in, and visited them. Much of the focus is rightly on the architects who had the vision to design and build America's skyscrapers, but attention is also given to the steelworkers who built them, the financiers who put up the money, and the daredevils who attempt to "conquer" them in some inexplicable pursuit of fame. The impact of the skyscraper on popular culture, particularly film and literature, is also explored.

## Skyscraper

Tarcher A companion to a five-part PBS series takes a behind-the-scenes look at the creation of New York City skyscraper Worldwide Plaza--from the architects who designed it, to the construction workers who built it, to the community it transformed

## Who Built That? Skyscrapers

### An Introduction to Skyscrapers and Their Architects

Princeton Architectural Press Nothing in the built world captures the imagination like the skyscraper. Behind every soaring tower stands a designer with courageous vision and enough engineering know-how to pull off incredible feats of architectural derring-do. Who Built That? Skyscrapers is a colorful tour of the world's tallest buildings and the larger-than-life personalities who built them. Beginning with a brief biographical sketch of each architect, illustrator Didier Cornille imaginatively depicts the construction of eight of the world's most impressive skyscrapers. From Gustave Eiffel's Eiffel Tower (1889) in Paris and Mies van der Rohe's Seagram Building (1958) in New York City to the tallest man-made structure in the world, Adrian Smith's Burj Khalifa (2010) in Dubai, this primer will introduce readers of all ages to new heights of architectural wonder.

## The Black Skyscraper

# Architecture and the Perception of Race

JHU Press A highly interdisciplinary work, *The Black Skyscraper* reclaims the influence of race on modern architectural design as well as the less-well-understood effects these designs had on the experience and perception of race.

## Skyscrapers

Metro Books From the moment the first skyscraper was erected in the late nineteenth century, it was on its way to becoming the preeminent urban structure. The skyscraper is an architectural phenomenon, which never ceases to fascinate and awe. *Skyscrapers* is a photographic and anecdotal tour of the world's most admired skyscrapers. -- Features a selection of skyscrapers, from the Woolworth Building in the United States to the Petronas Towers in Kuala Lumpur; from the Pirelli Tower in Italy to the Rialto Towers in Australia -- Contains more than 100 breathtaking photographs that display the magnificence of the world's skyscrapers

## Skyscraper Gothic

## Medieval Style and Modernist Buildings

University of Virginia Press Of all building types, the skyscraper strikes observers as the most modern, in terms not only of height but also of boldness, scale, ingenuity, and daring. As a phenomenon born in late nineteenth-century America, it quickly became emblematic of New York, Chicago, and other major cities. Previous studies of these structures have tended to foreground examples of more evincing modernist approaches, while those with styles reminiscent of the great Gothic cathedrals of Europe were initially disparaged as being antimodernist or were simply unacknowledged. *Skyscraper Gothic* brings together a group of renowned scholars to address the medievalist skyscraper—from flying buttresses to dizzying spires; from the Chicago Tribune Tower to the Woolworth Building in Manhattan. Drawing on archival evidence and period texts to uncover the ways in which patrons and architects came to understand the Gothic as a historic style, the authors explore what the appearance of Gothic forms on radically new buildings meant urbanistically, architecturally, and socially, not only for those who were involved in the actual conceptualization and execution of the projects but also for the critics and the general public who saw the buildings take shape. Contributors: Lisa Reilly on the Gothic skyscraper ● Kevin Murphy on the Trinity and U.S. Realty Buildings ● Gail Fenske on the Woolworth Building ● Joanna Merwood-Salisbury on the Chicago School ● Katherine M. Solomonson on the Tribune Tower ● Carrie Albee on Atlanta City Hall ● Anke Koeth on the Cathedral of Learning ● Christine G. O'Malley on the American Radiator Building

## Who Built That? Modern Houses

## An Introduction to Modern Houses and Their Architects

Princeton Architectural Press *Who Built That? Modern Houses* takes readers on a fun-filled tour through ten of the most important houses by the greatest architects of the twentieth and twenty-first centuries. Beginning with a brief biographical sketch of each architect, illustrator Didier Cornille uses a light touch to depict the various stages of construction, paying special attention to key design innovations and signature details. Cornille's charming drawings and accessible text unlock the secrets of modern classic houses, ranging from Le Corbusier's Villa Savoye (1931) and Frank Lloyd Wright's Fallingwater (1939) to Shigeru Ban's Cardboard House (1995) and Rem Koolhaas's Bordeaux House (1998). Readers of all ages will delight in this colorful introduction to modern architecture's most extraordinary homes.

## Skyscraper

### The Search for an American Style, 1891-1941 : Annotated Extracts from the First 50 Years of Architectural Record

McGraw-Hill Professional Publishing This work chronicles the skyscraper's emergence and architectural importance. It chronologically details the ascension of the skyscraper as an artform from 1891. It is broken down into six major time frames each characterized by the tallest building of the time. Subcategories tie the architecture to other themes of the time including materials, visionary architecture, commerce, style and philosophy. The text also examines each building in depth - how its inhabitants feel about its interior space, how they function as public cultural artefacts, how their designers conceived of their projects, and how they see them now.

## Skyscrapers

### A History of the World's Most Extraordinary Buildings -- Revised and Updated

Black Dog & Leventhal A landmark bestseller, *Skyscrapers* is the unique colossal celebration of the world's most significant and striking super-structures that "captivates the eye, mind and imagination," writes The New York Times. Uniquely designed to showcase the full color images of these tall buildings, *Skyscrapers* explores the architecture, engineering, and cultural impact of more than 60 skyline defining buildings, including One World Trade Center, Burj Dubai, the Empire State Building, the Shanghai World Financial Center, the Petronas Towers, the Tribune Tower, the Shard, and the Shanghai Tower. Arranged chronologically by date of building construction, each informative profile has stunning photos of the defining features, building plans, diagrams, the historical background, and technological information. Opening with a fascinating interview with master architect, Adrian Smith, *Skyscrapers* also includes in-depth looks at compelling topics in skyscraper design, including visionary cities and cutting-edge materials that help make these structures green.

## The Tall Buildings Reference Book

Routledge As the ever-changing skylines of cities all over the world show, tall buildings are an increasingly important solution to accommodating growth more sustainably in today's urban areas. Whether it is residential, a workplace or mixed use, the tower is both a statement of intent and the defining image for the new global city. *The Tall Buildings Reference Book* addresses all the issues of building tall, from the procurement stage through the design and construction process to new technologies and the building's contribution to the urban habitat. A case study section highlights the latest, the most innovative, the greenest and the most inspirational tall buildings being constructed today. A team of over fifty experts in all aspects of building tall have contributed to the making of the *Tall Buildings Reference Book*, creating an unparalleled source of information and inspiration for architects, engineers and developers.

## The Skyscraper Curse

### And How Austrian Economists Predicted Every Major Economic Crisis of the Last

## Century

Ludwig von Mises Institute The Skyscraper Curse is Dr. Mark Thornton's definitive work on booms and busts, and it explains why only Austrian economists really understand them. It makes business cycle theory accessible to a whole new 21st-century audience. And they need it, especially those under 40. Many of the brilliant quants working on Wall Street and at the Fed barely remember the Crash of 2008, much less understand it. But Mark Thornton does, and his book is a warning about overheated equity markets, over-inflated housing prices, and clueless central bankers. Given the shaky stock markets lately, 2018 may be the year the Fed's latest bubble bursts. And when it does, it will be even more painful than 10 years ago. In fact, US household and business debt is now one trillion dollars higher than 2008. Mark is well known as an expert on bubbles and Fed malfeasance. His work appears in outlets like Wall Street Journal, Bloomberg, Forbes, The Economist, Barron's, and Investor's Business Daily. His now-infamous Skyscraper Index theory draws the connection between loose monetary policy, artificially low interest rates, and vanity construction projects. Put the three together and it doesn't turn out well. And let's not forget that Dr. Thornton was among only a handful of economists to warn about the dangerous housing bubble in 2004, and again in 2006. Cabbies and waiters bought up condos with no money down in places like Las Vegas. Prices rose 25 percent or more every year in some coastal markets. Even people with terrible credit financed houses at five or seven times their annual income. All of it was made possible by the Fed and its mania for low interest rates. So when the experts said "Nobody could have seen this coming," the Mises Institute had Mark's articles and papers ready to go. The housing crash, and the meltdown in equity markets less than a year later, were thoroughly explained by Austrian business cycle theory. And Mark was the capable face of the Mises Institute during it all. Without a lay-friendly book like The Skyscraper Curse, millions more Americans will be duped by the next crash. Dr. Thornton's book tells the story that needs to be told. It will be among the only alternative explanations available when the next crisis comes.

## Building Big

Houghton Mifflin Harcourt Focusses on the connections between the planning and design problems and the solutions that are finally reached when building bridges, tunnels, skyscrapers, domes, and dams.

## 13 Skyscrapers Children Should Know

This newest addition to Prestel's acclaimed series, which introduces children to important works of art and architecture, takes young readers around the world to investigate how tall buildings are constructed and what makes them so appealing. There's something irresistible about a skyscraper. It can reshape an entire city skyline, and from the building's top floors, people can see the world from a different perspective. Travelling from New York City to Dubai, from London to Shanghai, and from Kuala Lumpur to Chicago, this colorful book features double-page spreads for each of the skyscrapers it profiles. Each chapter includes photographs, information on the building's architect and history, and interesting facts about its construction and use. For instance, why is the Chrysler Building so admired, even though it doesn't stand nearly as tall as other skyscrapers? How do you measure the height of a building and how do you make sure it doesn't topple over in strong winds? How has skyscraper technology changed from the steel frame skeletons that supported the earliest towers to the advanced computer programs that are now needed to design buildings more than 100 stories high? How has city life changed since the first skyscrapers were built? Written in a style that will draw in young readers, this fascinating tour of the world's tallest buildings will satisfy even the most curious minds.

## High-rise Security and Fire Life Safety

Butterworth-Heinemann This title provides the reader with complete coverage of high-rise security and safety issues. It includes comprehensive sample documentation, diagrams and photographs to aid in developing security and fire life safety programs

## First Skyscrapers | Skyscraper Firsts

The tall commercial building, commonly known as a "skyscraper," developed through an evolutionary process across numerous projects and technologies. From the very beginning, the prominence of these buildings on the skyline have made them potent corporate symbols of power, wealth and permanence. It has always been important to their proprietors to make superlative claims about the novelty of their technologies, their creature comforts, their height, and of course, their provenance. This laudatory inclination is reflected in the persistent claims of many buildings to have been the "first" of a particular type, long after their original developers-and in many cases, the buildings themselves-have disappeared. First Skyscrapers | Skyscraper Firsts assembles the leading architectural and real-estate historians of our time to clarify the definitions and parameters of skyscraper historical scholarship. It considers the many candidates for "first skyscraper," depending on differing criteria or categories of

innovation, as well as numerous "skyscraper firsts," technological innovations that propelled successive generations of buildings skyward, with greater safety, efficiency, and height. Rather than settle the issue of "what was the first skyscraper?" once and for all, it instead provides a rich account of the history of the typology through seminal developments over more than 100 years.[First Skyscrapers | Skyscraper Firsts](#) is a product of the Tall Building History Committee of the Council on Tall Buildings and Urban Habitat (CTBUH), and reflects the joint work between CTBUH and the Society of Architectural Historians (SAH), including a [First Skyscrapers | Skyscraper Firsts Symposium](#) held in conjunction with the Council's 10th World Congress and 50th Anniversary in Chicago, 2019. It is a seminal work of historical scholarship that will be of great use to future scholars, as well as of great interest to the general public.

## A History of New York in 27 Buildings

### The 400-Year Untold Story of an American Metropolis

Bloomsbury Publishing USA From the urban affairs correspondent of the New York Times--the story of a city through twenty-seven structures that define it. As New York is poised to celebrate its four hundredth anniversary, New York Times correspondent Sam Roberts tells the story of the city through bricks, glass, wood, and mortar, revealing why and how it evolved into the nation's biggest and most influential. From the seven hundred thousand or so buildings in New York, Roberts selects twenty-seven that, in the past four centuries, have been the most emblematic of the city's economic, social, and political evolution. He describes not only the buildings and how they came to be, but also their enduring impact on the city and its people and how the consequences of the construction often reverberated around the world. A few structures, such as the Empire State Building, are architectural icons, but Roberts goes beyond the familiar with intriguing stories of the personalities and exploits behind the unrivaled skyscraper's construction. Some stretch the definition of buildings, to include the city's oldest bridge and the landmark Coney Island Boardwalk. Others offer surprises: where the United Nations General Assembly first met; a hidden hub of global internet traffic; a nondescript factory that produced billions of dollars of currency in the poorest neighborhood in the country; and the buildings that triggered the Depression and launched the New Deal. With his deep knowledge of the city and penchant for fascinating facts, Roberts brings to light the brilliant architecture, remarkable history, and bright future of the greatest city in the world.

## The Sustainable Tall Building

### A Design Primer

Routledge The Sustainable Tall Building: A Design Primer is an accessible and highly illustrated guide, which primes those involved in the design and research of tall buildings to dramatically improve their performance. Using a mixture of original research and analysis, best-practice design thinking and a detailed look at exemplar case studies, author Philip Oldfield takes the reader through the architectural ideas, engineering strategies and cutting-edge technologies that are available to the tall building design team. The book takes a global perspective, examining high-rise design in different climates, cultures and contexts. It considers common functions such as high-rise housing and offices, to more radical designs such as vertical farming and vertical cemeteries. Innovation is provided by examining not only the environmental performance of tall buildings but also their social sustainability, guiding the reader through strategies to create successful communities at height. The book starts by critically appraising the sustainability of tall building architecture past and present, before demonstrating innovative ways for future tall buildings to be designed. These include themes such as climatically responsive architecture, siting a tall building in the city, zero-carbon towers, skygardens and community spaces at height, sustainable structural systems and novel façades. In doing so, the book provides essential reading for architects, engineers, consultants, developers, researchers and students engaged with sustainable design and high-rise architecture.

## The Metropolis of Tomorrow

Courier Corporation The metropolis of the future — as perceived by architect Hugh Ferriss in 1929 — was both generous and prophetic in vision. This illustrated essay on the modern city and its future features 59 illustrations.

## Skyscrapers

Prestel Pub The evolution of the skyscraper reveals a fascinating success story that began near the end of the 19th century. Not only have skyscrapers fundamentally transformed our cities, they have also drastically altered the way we perceive architecture. Alongside the ongoing contest to erect the world's tallest building, skyscrapers are associated with a large number of architectonic, technological, ecological, and urban aspects. Buildings by architects such as Ludwig Mies van der Rohe, I. M. Pei, Philip Johnson, or Norman Foster are genuine milestones, setting the standards according to which future high-rise buildings will be measured. No other form of construction can replace skyscrapers as a response to the exponentially increasing need for space in the centers of the world's metropolises. The present moment seems to be a well-chosen time to reconsider the developmental history of the high-rise, to examine its most significant specimens, and to venture a look into the future of this unique type of building.

## Form Follows Finance

### Skyscrapers and Skylines in New York and Chicago

Princeton Architectural Press In contrast to standard histories that counterpose the design philosophies of the Chicago and New York "schools," Form Follows Finance shows how market formulas produced characteristic forms in each city - "vernaculars of capitalism" - that resulted from local land-use patterns, municipal codes, and zoning. Refuting some common cliches of skyscraper history such as the equation of big buildings with big business and the idea of a "corporate skyline," this book emphasizes the importance of speculative development and the impact of real estate cycles on the forms of buildings.

## The Perfect \$100,000 House

### A Trip Across America and Back in Pursuit of a Place to Call Home

Penguin A home of one's own has always been a cornerstone of the American dream, fulfilling like nothing else the desire for comfort, financial security, independence, and with a little luck, even a touch of distinctive character, or even beauty. But what we have come to regard as almost a national birthright has recently begun to elude more and more prospective homebuyers. Where housing is concerned, affordable and well-crafted rarely exist together. Or do they? For years, founding editor-in-chief of Dwell magazine and noted architecture and design critic Karrie Jacobs had been confronting this question both professionally and personally. Finally, she decided to see for herself whether it was possible to build the home of her own dreams for a reasonable sum. The Perfect \$100,000 House is the story of that quest, a search that takes her from a two-week crash course in housebuilding in Vermont to a road trip of some 14,000 miles. In the course of her journey Jacobs encounters a group of intrepid and visionary architects and builders working to revolutionize the way Americans think about homes, about construction techniques, and about the very idea of community. By her trip's end Jacobs, has not only had a practical and sobering education in the economics, aesthetics, and politics of homebuilding, but has been spurred to challenge her own deeply held beliefs about what constitutes an ideal home. The Perfect \$100,000 House is a compelling and inspiring demonstration that we can live in homes that are sensible, modest, and beautiful.

## Gareth's Guide to Building a Skyscraper

Gareth Stevens Publishing LLLP If you've ever stood on the observation deck of the Empire State Building or viewed a photograph of the 163-storey-tall Burj Khalifa, you know what an extraordinary feat of engineering a skyscraper is. It isn't an easy task to design or build one. This authoritative volume delves into the career paths involved with constructing the gravity-defying structures called skyscrapers, including engineering and architecture. The valuable text, supported by photographs, sidebars, fact boxes, infographics, and graphic organizers, contains plenty of information on careers as well as STEM-related concepts relevant to the elementary science curriculum.

## How Skyscrapers are Made

[Facts on File](#) Explains how skyscrapers are built, from the preliminary designs through the floor by floor construction to the final building.

## Moscow Monumental

### Soviet Skyscrapers and Urban Life in Stalin's Capital

[Princeton University Press](#) An in-depth history of the Stalinist skyscraper In the early years of the Cold War, the skyline of Moscow was forever transformed by a citywide skyscraper building project. As the steel girders of the monumental towers went up, the centuries-old metropolis was reinvented to embody the greatness of Stalinist society. *Moscow Monumental* explores how the quintessential architectural works of the late Stalin era fundamentally reshaped daily life in the Soviet capital. Drawing on a wealth of original archival research, Katherine Zubovich examines the decisions and actions of Soviet elites—from top leaders to master architects—and describes the experiences of ordinary Muscovites who found their lives uprooted by the ambitious skyscraper project. She shows how the Stalin-era quest for monumentalism was rooted in the Soviet Union's engagement with Western trends in architecture and planning, and how the skyscrapers required the creation of a vast and complex infrastructure. As laborers flooded into the city, authorities evicted and rehoused tens of thousands of city residents living on the plots selected for development. When completed in the mid-1950s, these seven ornate neoclassical buildings served as elite apartment complexes, luxury hotels, and ministry and university headquarters. *Moscow Monumental* tells a story that is both local and broadly transnational, taking readers from the streets of interwar Moscow and New York to the marble-clad halls of the bombastic postwar structures that continue to define the Russian capital today.

## 100 of the World's Tallest Buildings

[Chartwell Books](#) Upon the release of *100 of the World's Tallest Buildings*, the first 100 of the world's tallest buildings will be more than 985 feet (300 meters) for the first time. This book will showcase many of the new tall buildings across Asia and the Middle East, in particular. Compiled by the Council on Tall Buildings and Urban Habitat (CTBUH), the book begins with insightful introductory essays by renowned tall buildings expert, Georges Binder, on key trends in the skyscraper typology (a preview of the future) and on the history of the world's tallest buildings by decade. This ambitious and comprehensive text provides in-depth descriptions of the buildings' design and significance, accompanied by stunning images, detailed drawings, and plans. Towering structures are often the subject of admiration merely for their sheer height or skyline silhouette and criticized for their poor environmental performance (not without justification). This book aims to change that impression by showing innovations that are particular to this group of tall buildings, in addition to generally good architectural design and engineering prowess. The CTBUH's Awards series draws from the multi-disciplinary expertise of the practitioners directly involved in bringing these buildings to life. This guide is intended for anyone working on the design and operation of tall buildings at both the building and urban scales.

## 21st-Century Skyscrapers

[Enslow Publishing, LLC](#) The modern skylines of major cities around the globe are both majestic and awe-inspiring. Since the turn of the century, ever more impressive and innovative skyscrapers have been built. This resource features the tallest and most famous buildings standing, and inspires young aspiring architects and engineers to dream of ever taller buildings. The sky's the limit for readers, who will gain valuable insights into engineering basics while their imaginations are stirred by images and descriptions of these architectural giants from all over the world.

## Chicago Skyscrapers, 1871-1934

[University of Illinois Press](#) For more than a century, Chicago's skyline has included some of the world's most distinctive and inspiring buildings. This history of the Windy City's skyscrapers begins in the key period of reconstruction after the Great Fire of 1871 and concludes in 1934 with the onset of the Great Depression, which brought architectural progress to a standstill. During this time, such iconic landmarks as the Chicago Tribune Tower, the Wrigley Building, the Marshall Field and Company Building, the Chicago Stock Exchange, the Palmolive Building, the Masonic Temple, the City Opera, Merchandise Mart, and many others rose to impressive new heights, thanks to innovations in building methods and materials. Solid, earthbound edifices of iron, brick, and stone made way for towers of

steel and plate glass, imparting a striking new look to Chicago's growing urban landscape. Thomas Leslie reveals the daily struggles, technical breakthroughs, and negotiations that produced these magnificent buildings. He also considers how the city's infamous political climate contributed to its architecture, as building and zoning codes were often disputed by shifting networks of rivals, labor unions, professional organizations, and municipal bodies. Featuring more than a hundred photographs and illustrations of the city's physically impressive and beautifully diverse architecture, *Chicago Skyscrapers, 1871-1934* highlights an exceptionally dynamic, energetic period of architectural progress in Chicago.

## High-Rise: A Novel

W. W. Norton & Company "Harsh and ingenious! High Rise is an intense and vivid bestiary, which lingers unsettlingly in the mind." —Martin Amis, *New Statesman* When a class war erupts inside a luxurious apartment block, modern elevators become violent battlegrounds and cocktail parties degenerate into marauding attacks on "enemy" floors. In this visionary tale, human society slips into violent reverse as once-peaceful residents, driven by primal urges, re-create a world ruled by the laws of the jungle.

## Build a Skyscraper

Pavilion Children's These construction cards are fun for all the family Build a skyscraper using the beautifully-designed cards, with only your imagination to limit you. Each pack contains 64 cards (105 x 69 mm) in a variety of graphic designs. Clever paper engineering allows you to slot the cards together, building up and out in whichever way you like! Also included is a short booklet, with descriptions of the key elements of a skyscraper and suggestions of how to build your masterpiece. You can go traditional or get abstract and construct your own crazy high-rise! Renowned illustrator Paul Farrell has designed these cards in a cool, graphic style - turning the image of a skyscraper into a work of art. Fun, educational, creative and mindful. The sky's the limit!

## The Pig and the Skyscraper

## Chicago : a History of Our Future

Verso D'Eramo presents an invigorating history that transforms the way we think about the city and the development of American capitalism.

## Designing Tall Buildings

## Structure as Architecture

Routledge This second edition of *Designing Tall Buildings*, an accessible reference to guide you through the fundamental principles of designing high-rises, features two new chapters, additional sections, 400 images, project examples, and updated US and international codes. Each chapter focuses on a theme central to tall-building design, giving a comprehensive overview of the related architecture and structural engineering concepts. Author Mark Sarkisian, PE, SE, LEED® AP BD+C, provides clear definitions of technical terms and introduces important equations, gradually developing your knowledge. Projects drawn from SOM's vast portfolio of built high-rises, many of which Sarkisian engineered, demonstrate these concepts. This book advises you to consider the influence of a particular site's geology, wind conditions, and seismicity. Using this contextual knowledge and analysis, you can determine what types of structural solutions are best suited for a tower on that site. You can then conceptualize and devise efficient structural systems that are not only safe, but also constructible and economical. Sarkisian also addresses the influence of nature in design, urging you to integrate structure and architecture for buildings of superior performance, sustainability, and aesthetic excellence.

## Why Buildings Stand Up

# The Strength of Architecture

W. W. Norton & Company Traces the development of architectural structure, ranging from the nomad's simple tent to the Sears Tower