

ARCHITECTURAL SHEET METAL MANUAL

FIFTH EDITION, 1993



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Smacna Architectural Manual 5th Edition

Zhe Xu



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Architectural Graphic Standards for Residential Construction Janet Rumbarger, Richard Vitullo, 2003 Publisher description **Materials, Structures, and Standards** Julia McMorrough, 2006-01-01 Most architectural standards references contain thousands of pages of details overwhelmingly more than architects need to know on any given day Now there is a place where architects can find vital information essential to planning and executing architectural projects of all shapes and sizes in a format that is small enough to carry anywhere **Materials Structures and Standards** distills the data provided in standard architectural volumes and offers an easy to use reference for the most indispensable and most requested types of architectural information Part 1 Building an Architectural Project addresses basic geometry architectural drawing types AutoCAD guidelines building codes accessibility issues structural and mechanical systems conventional building components and sustainable design Part 2 Materials provides a detailed catalog of wood masonry and brick metals concrete and interior finishes Also included are an illustrated glossary of architectural terms and a cross referenced guide to the most helpful books organizations and websites **Architectural Metals** L. William Zahner, 1995-07-28 The historic breakthroughs in the science of metallurgy over the last quarter century have produced an array of new metallic building materials Architects and designers now have a far broader palette of metals to choose from than at any other time in history and metal is fast becoming the star building material featured in some of today's most exciting new building projects A book whose time has come **Architectural Metals** is the first comprehensive guide to the metals and metallic finishes currently available for use in architecture Learn from a fourth generation expert in the field who has over the past fifteen years consulted on some of the world's most prestigious building projects **Architectural Metals** demystifies metals for architects artisans and design professionals providing them with a logical framework for the selection and use of the correct material for the job at hand Encyclopedic in scope **Architectural Metals** is an extremely user friendly working resource supplying readers with instant access to a wealth of essential information about the forms and behaviors of metallic building materials From aluminum stainless steel copper lead and zinc to new metals and finishes such as titanium pewter coated copper and colored stainless steel it describes everything architects engineers and design professionals need to know about all the common and many uncommon metals at their disposal Each chapter of **Architectural Metals** is devoted to a specific type of metal metallic finish or coating Each includes a historical overview environmental concerns an exhaustive description of available forms and where appropriate colors performance evaluations finishes weathering and corrosion characteristics maintenance and restoration techniques fastening welding and joining methods and more And since each metal producing industry has its own unique jargon and systems of measurement the author takes pains throughout to define relevant terms and translate measurement and thickness indices into familiar inch and millimeter scales Destined to become a standard in the field **Architectural Metals** is an indispensable tool for architects designers and artisans who work with metals **Metals** is the

material of our time It enables architecture to become sculpture it also expresses technological possibility as well as the time honored characteristics of quality and permanence From Frank O Gehry's foreword to *Architectural Metals* Written by one of the leading experts on architectural metals this is the first comprehensive guide to the metals and metallic finishes and coatings available for use in architectural construction Growing out of its author's experiences helping architects realize some of the most exciting designs of the past twenty years *Architectural Metals* Demystifies metals for architects and design professionals Supplies a logical framework for selecting the best materials for the job at hand Provides instant access to everything architects and designers need to

Architectural Detailing Edward Allen, Patrick Rand, 2016-02-24 The industry standard guide to designing well performing buildings *Architectural Detailing* systematically describes the principles by which good architectural details are designed Principles are explained in brief and backed by extensive illustrations that show you how to design details that will not leak water or air will control the flow of heat and water vapor will adjust to all kinds of movement and will be easy to construct This new third edition has been updated to conform to International Building Code 2012 and incorporates current knowledge about new material and construction technology Sustainable design issues are integrated where relevant and the discussion includes reviews of recent built works that extract underlying principles that can be the basis for new patterns or the alteration and addition to existing patterns Regulatory topics are primarily focused on the US but touch on other jurisdictions and geographic settings to give you a well rounded perspective of the art and science of architectural detailing In guiding a design from idea to reality architects design a set of details that show how a structure will be put together Good details are correct complete and provide accurate information to a wide variety of users By demonstrating the use of detail patterns this book teaches you how to design a building that will perform as well as you intend Integrate appropriate detailing into your designs Learn the latest in materials assemblies and construction methods Incorporate sustainable design principles and current building codes Design buildings that perform well age gracefully and look great Architects understand that aesthetics are only a small fraction of good design and that stability and functionality require a deep understanding of how things come together *Architectural Detailing* helps you bring it all together with a well fleshed out design that communicates accurately at all levels of the construction process

Historic Building Façades New York Landmarks Conservancy, 1997-04-24 Comprehensive in depth coverage from leading experts in the field A historic building is a fragile resource that requires the finest care Maintenance and rehabilitation of walls and facades call for a thorough understanding of the forces that cause deterioration knowledge of the properties of building materials up to date inspection tools and methods and a solid command of renovation and repair techniques In this complete reference manual recognized experts provide state of the art information and methodologies for the inspection maintenance and restoration of historic buildings of virtually every period style and material Each chapter opens with a general discussion of the facade material and the ways in which structural and decorative elements are vulnerable to an array

of environmental forces After a detailed investigation of tools and techniques for inspection the text explores planning issues for the restoration or replacement of facade components Special features include Separate chapters on each major type of building material stonemasonry brick masonry terra cotta masonry cast stone mortar concrete cast iron sheet metal and wood An entire chapter on caulks and sealants 35 original line drawings and 43 black and white photos that help visualize technical information Selected success stories from preservation projects across the United States For architects building contractors and owners of historic buildings Historic Building Facades clarifies procedures helps identify sources of deterioration and offers solutions to even the most difficult maintenance and rehabilitation problems It is also an excellent reference for building preservationists architectural historians and students of building design and preservation

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