
Description: The residential construction market may have its ups and downs, but the need to keep your construction knowledge current never lets up.

Now, with the latest edition of Architectural Graphic Standards for Residential Construction, you can keep your practice at the ready. This edition was expertly redesigned to include all-new material on current technology specific to residential projects for anyone designing, constructing, or modifying a residence. With additional, new content covering sustainable and green designs, sample residential drawings, residential construction code requirements, and contemporary issues in residential construction, it's a must-have resource. And now it's easier to get the information you need when you need it with references to the relevant building codes built right into the details and illustrations. These new "smart" details go beyond dimensions with references to the International Residential Building Code—presenting all the information you need right at your fingertips. New features and highlights include:

- Loads of previously unpublished content—over 80% is either new or entirely revised
- Sustainable/ green design information in every chapter—a must today's practicing building and construction professionals
- Coverage of contemporary issues in residential construction—aging in place, new urbanism, vacation and small homes, historic residences...it's all here.
- Coverage of single- and multi-family dwellings—complete coverage of houses, row homes and quadraplexes as dictated by the International Residential Building Codes.

Contents:

PUBLISHER'S NOTES.

LETTER FROM THE AIA.

INTRODUCTION: MANAGING BUILDING INFORMATION: THE EVOLUTION OF ARCHITECTURAL GRAPHIC STANDARDS FOR RESIDENTIAL CONSTRUCTION.

SECTION 1: SPACES.

CHAPTER 1: BASICS OF RESIDENTIAL DESIGN.

General Guidelines.

Residential Planning.

Single-Family Detached Housing.

Single-Family Attached Housing.

Crime Prevention through Environmental Design.

Site Planning for Fire Protection.

Control of Flood Damage.

Residential Site Planning.

Resource Conservation.

Daylighting.

Seismic Design.
CHAPTER 10: SITEWORK.

Site Preparation.
Site Improvements.
Site Utilities.

SECTION 3: MATERIALS.

CHAPTER 11: CONCRETE.
Concrete Forming and Accessories.
Concrete Reinforcing.
Cast-in-Place Concrete.

CHAPTER 12: MASONRY.
Masonry Mortaring and Grouting.
Masonry Anchorage, Reinforcing, and Accessories.
Unit Masonry.
Concrete Unit Masonry.
Glass Unit Masonry.
Stone Assemblies.

CHAPTER 13: METALS.
Metal Materials.
Structural Metal Framing.
Decorative Metal.
Perforated Metal.

CHAPTER 14: WOOD.
Types of Wood Construction.
Wood Treatment.
Fastenings.
Panel Products and Wood Veneers.

CHAPTER 15: GLASS.
Basic Types of Glass.
Locations for Safety Glazing.
SECTION 4: CONTEMPORARY ISSUES IN RESIDENTIAL CONSTRUCTION.

CHAPTER 16: AGING IN PLACE.

Design Strategies.
Determining Needs.
Simple Fixes.
Conclusions.
Resources.

CHAPTER 17: BUILDING INFORMATION MODELING (BIM) FOR RESIDENTIAL CONSTRUCTION.

Precursors to BIM in Residential Design.
BIM versus CAD.
Object Intelligence versus Lines.
BIM Communication and Coordination.
Simulation, Calculation, and Analysis with BIM.
Standard Methods—the "I" in BIM.

CHAPTER 18: SUSTAINABLE RATING SYSTEMS FOR HOMES.

Rating Systems and Tools.
Sustainability in Remodeling Existing Homes.
Conclusions.

CHAPTER 19: EMERGING TRENDS IN RESIDENTIAL DESIGN AND CONSTRUCTION.

AIA Home Design Trends Survey.
Related Trends.
Residential Construction Trends.
Conclusions.

CHAPTER 20: PROJECT DELIVERY.

Project Scope.
The Parties.
Project Stages/Phases.
Project Delivery Methods.
Designer Considerations.
Construction Contracts.
Conclusions.

SECTION 5: SAMPLE RESIDENTIAL PROJECT.
CHAPTER 21: MOUNTAIN CABIN: STERLING, NC.

Standard Form of Agreement between the Owner and the Architect.

Drawings.

Project Manual.

Standard Form of Agreement between the Owner and the Contractor.

Application and Certificate for Payment and Continuation Sheet.

Change Order.

Certificate of Substantial Completion.

APPENDICES.

A Graphic Symbols.

B Classical Architectural Elements.

C Mathematical Data.

D Structural Calculations.

INDEX.

Ordering:

Order Online - [http://www.researchandmarkets.com/reports/1290420/](http://www.researchandmarkets.com/reports/1290420/)

Order by Fax - using the form below

Order by Post - print the order form below and send to

Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct.

Web Address: http://www.researchandmarkets.com/reports/1290420/
Office Code: SCUUXH8F

Product Format
Please select the product format and quantity you require:

Quantity
Hard Copy (Hard Back): [ ] EUR 184 + EUR 25 Shipping/Handling

* Shipping/Handling is only charged once per order.

Contact Information
Please enter all the information below in BLOCK CAPITALS

Title: [ ] Mr [ ] Mrs [ ] Dr [ ] Miss [ ] Ms [ ] Prof
First Name: ___________________________ Last Name: ___________________________
Email Address: * ___________________________
Job Title: ___________________________
Organisation: ___________________________
Address: ___________________________
City: ___________________________
Postal / Zip Code: ___________________________
Country: ___________________________
Phone Number: ___________________________
Fax Number: ___________________________

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: ☐ American Express
☐ Diners Club
☐ Master Card
☐ Visa

Cardholder's Name ____________________________

Cardholder's Signature ____________________________

Expiry Date ________ / ________

Card Number ____________________________

CVV Number ____________________________

Issue Date ________ / ________
(for Diners Club only)

☐ Pay by check: Please post the check, accompanied by this form, to:

Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:

Account number 833 130 83
Sort code 98-53-30
Swift code ULSBIE2D
IBAN number IE78ULSB98533083313083
Bank Address Ulster Bank,
27-35 Main Street,
Blackrock,
Co. Dublin,
Ireland.

If you have a Marketing Code please enter it below:

Marketing Code: ____________________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:

(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World