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Understanding Construction Drawings, 6th Edition By Mark W. Huth Bibliography

- Sales Rank: #309677 in Books
- Brand: imusti
- Published on: 2013-02-12
- Original language: English
- Number of items: 1
- Dimensions: 11.00" h x 8.50" w x 2.00" l, 3.88 pounds
- Binding: Paperback
- 388 pages

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Editorial Review

Review

Preface. Part I: DRAWINGS-THE LANGUAGE OF CONSTRUCTION. 1. The Design-Construction Sequence and the Design Professions. 2. Views. 3. Scales. 4. Alphabet of Lines. 5. Use of Symbols. 6. Plan Views. 7. Elevations. 8. Sections and Details. Part I Test. Part II: READING DRAWINGS FOR TRADE INFORMATION. 9. Clearing and Rough Grading the Site. 10. Locating the Building. 11. Site Utilities. 12. Footings. 13. Foundation Walls. 14. Drainage, Insulation, and Concrete Slabs. 15. Framing Systems. 16. Columns, Piers, and Girders. 17. Floor Framing. 18. Laying Out Walls and Partitions. 19. Framing Openings in Walls. 20. Roof Construction Terms. 21. Roof Trusses. 22. Common Rafters. 23. Hip and Valley Framing. 24. Cornices. 25. Windows and Doors. 26. Exterior Wall Coverings. 27. Decks. 28. Finishing Site Work. 29. Fireplaces. 30. Stairs. 31. Insulation and Room Finishing. 32. Cabinets. 33. Lake House Specifications Part II Test. Part III: MULTIFAMILY CONSTRUCTION. 34. Orienting the Drawings. 35. Town House Construction. 36. Plumbing, Heating, and Air Conditioning. 37. Electrical. Part III Test. Part IV: Heavy COMMERCIAL CONSTRUCTION. Unit 38. Heavy Commercial Construction. Unit 39. Coordination of Drawings. Unit 40. Structural Drawings. Unit 41. HVAC & Plumbing Drawings. Unit 42. Electrical Drawings. Part IV Test. Appendix A - School Addition Master Keynote Appendix B - Math Reviews. Appendix C - Material Symbols in Sections. Appendix D - Plumbing Symbols. Appendix E - Electrical Symbols. Appendix F - Abbreviations. Glossary. Index.

About the Author

Mark Huth is a former editor at Delmar Cengage Learning, a role that took him inside hundreds of classrooms and allowed him to glean the best teaching methods for his students and readers. He travels extensively throughout North America, gaining first-hand knowledge of construction methods and materials. In addition to BASIC PRINCIPLES FOR CONSTRUCTION, he is the author of several other respected texts on construction principles, technology, and mathematics. Mr. Huth has also taught high school building construction and worked as a professional carpenter and subcontractor. He holds a master of science degree in curriculum and instruction, as well as permanent certification in building construction from the New York State Education Department.

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