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Autore	Allen Edward
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Concrete Masonry Dimensioning -- Starting the Spandrel Detail -- Ties and Flashings -- Detailing the Soft Joint -- Detailing the Air Barrier -- Detailing the Backup Wall -- Detailing the Interior Finishes -- Detailing the Window Openings -- DETAILING THE CORNERS AND COLUMNS -- DETAILING THE PARAPET -- DETAILING THE GRADE CONDITION -- Checking for Thermal Bridges -- Elevation Studies -- NEXT STEPS -- KEY REFERENCES -- SECTION 2 GETTING STARTED. APPENDIX A: The Detailer's Reference Shelf -- APPENDIX B: Formulating Exercises for Self-Study, Studio, or Classroom Use -- INDEX -- EULA.

Sommario/riassunto

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.
