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Autore	Emmitt Stephen
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Edizione	[2nd ed.]
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Soggetti	Architecture - Technological innovations Architecture and technology Architectural design - Technique Electronic books.
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Architectural Technology; Contents; Foreword; Introduction; 1 Fundamentals; Sensory engagement; Building innovation; Building characteristics; Enclosure and functional requirements; Philosophies and approaches; Further reading; 2 Physical Design Generators; The physical context: a sense of place; Micro climates and weathering; Structure and fabric; Materials; Services; Further reading; 3 Social Design Generators; The social context; Communication and language; Design decisions; Risk; Quality; Added value; Further reading; 4 Regulatory Design Generators; Town planning and development control The building regulations Standards and codes of practice; Trade associations; Testing and research reports; Further reading; 5 Humane Design Generators; Perception of our buildings; Physiology and usability; Healthy environments; Safe environments; Secure environments; Fire safety; Further reading; 6 Physical Interfaces; Typologies; Transitions; Joints and connections; Tolerances; Further reading; 7 The Art of Detailing; Detailing principles; Environmental issues; Performance of the joint; Designing the details; Further reading; 8 The Art of Specifying; Specification methods

Selection criteria - fitness for purpose
Writing the specification;
Contents of a written specification; Further reading; 9 The Art of Informing; Media; Coordinated project information; Drawings; Physical models; Bills of quantities; Digital information and virtual details; Information flow and design changes; Further reading; 10 Assembling the Parts; The designer-contractor interface; Flows; Quality of work; Design changes; Practical completion and hand-over; Learning from building projects; Further reading; 11 Living with Buildings; Durability and decay

Preservation, restoration, and conservation
Principles of conservation, repair and maintenance; Upgrading existing buildings; Learning from buildings; Further reading; 12 Disassembly and Reuse; Reusing redundant buildings; Demolition and disassembly; Reclamation, reuse, and recycling; Stretching the tradition; Further reading; References; Index

Sommario/riassunto

Since the publication of the first edition of Architectural Technology, in 2002, there have been significant developments in the number of courses, the profile of the discipline as well as significant changes in the Construction sector. The Second edition of Architectural Technology addresses these challenges directly. Much greater emphasis is given to the three core themes of the book - Environmental Sustainability; Innovation; and Design. An increase in the visual material included reinforces the critical role of Design, aiding students to better translate conceptual designs
