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Nota di contenuto	Designing to the Strongest Ground Motions -- Contents -- Preface -- Acknowledgments -- Abbreviations, Acronyms, and Notation -- Chapter 1: Strongest Recorded Ground Motions -- 1.1 Introduction -- 1.2 Ground Motion Histories -- 1.3 Single-Degree-of-Freedom System -- 1.4 Deformation Response Spectrum -- 1.5 Pseudo-Acceleration Response Spectrum -- 1.6 Pseudo-Velocity Response Spectrum -- 1.7 Tripartite Plot of Response Spectrum -- 1.8 Acceleration-Deformation Response Spectrum -- 1.9 Acceleration-Deformation Response Spectra for Various Damping -- 1.10 Strongest Recorded Ground Motions -- 1.11 Cyclic Demand -- 1.12 Indirect Parameters of Ground Motion -- 1.13 Summary -- References -- Chapter 2: Comparison with Predicted Ground Motions -- 2.1 Introduction -- 2.2 San Francisco, California, Ground Motion -- 2.3 Hickman, Arkansas, Ground Motion -- 2.4 Discussion -- 2.5 Summary -- References -- Chapter 3: Seismic Characteristics of Buildings -- 3.1 Introduction -- 3.2 Three-Story Steel Special Moment Frame Building
Sommario/riassunto	Author Praveen Malhotra explains how to design local structures to withstand the strongest ground motions.