1. Record Nr. UNINA9910462111603321 Autore Gatscher Jeffrey A Titolo Earthquake protection of building equipment and systems [[electronic resource]]: bridging the implementation gap // Jeffrey A. Gatscher, Gary L. McGavin, Philip J. Caldwell Reston, Va., : American Society of Civil Engineers, 2012 Pubbl/distr/stampa **ISBN** 0-7844-7643-8 Descrizione fisica 1 online resource (426 p.) Altri autori (Persone) McGavinGary L. <1948-> CaldwellPhilip J Disciplina 693.8/52 Soggetti Buildings - Earthquake effects Buildings - Mechanical equipment - Earthquake effects Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. ""Cover""; ""Contents""; ""Foreword""; ""Preface""; ""Acknowledgments""; Nota di contenuto ""Part 1: Earthquake Demand""; ""Chapter 1 Introduction to Demand Allocation""; ""1.1 Nonstructural Building Systems""; ""1.2 Systems Design Primer""; ""1.3 Modern Nonstructural Design Philosophy""; ""References""; ""Chapter 2 Stakeholder Commentary""; ""2.1 The Stakeholders""; ""2.2 Code Regulation and Enforcement""; ""2.3 Building Design and Construction""; ""2.4 Product Design and Manufacture""; ""References""; ""Chapter 3 Geotechnical Primer""; ""3.1 Plate Tectonics""; ""3.2 Stress on Rocks"" ""3.3 Damage Potential Based on Earthquake-Facility Variables"""3.4 Faults""; ""3.5 Seismic Waves""; ""3.6 Lateral Loads versus Three-Axis Ground Motion""; ""3.7 Seismic Early Warning Systems""; ""3.8 Earthquake Scales""; ""3.9 Foreshocks and Aftershocks""; ""3.10 Deriving Seismic Hazard Maps from Seismology"": ""References"": ""Chapter 4 Building Code Seismic Requirements"": ""4.1 Basic Elements of Model Building Codes""; ""4.2 Elements of IBC and ASCE/SEI 7 Seismic Provisions"; ""4.3 Seismic Requirements Summary"";

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