1. Record Nr. UNINA9910458217503321

Titolo	Recommendations for seismic design of hybrid coupled wall systems [[electronic resource] /] / prepared by Technical Committee on Composite Construction, the Structural Engineering Institute (SEI) of the American Society of Civil Engineers ; edited by Sherif El-Tawil ... [et al.]
Pubbl/distr/stampa	Reston, VA, : SEI/America Society of Civil Engineers, c2010
ISBN	0-7844-7307-2
Descrizione fisica	1 online resource (81 p.)
Altri autori (Persone)	El-TawilSherif
Disciplina	693.8/52
Soggetti	Concrete walls - Design and construction Reinforced concrete construction - Design and construction Earthquake resistant design 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 (p. [60]-68)and index.
Nota di contenuto	""Contents""; ""List of Figures""; ""List of Tables""; ""List of Variables""; ""1 Introduction""; ""1.1 Application""; ""1.2 Scope""; ""2 System Behavior, Analysis, and Design Considerations""; ""2.1 Selection of Coupling Ratio""; ""2.2 Analysis Models for HCWs""; ""2.2.1 Equivalent Frame Models""; ""2.2.2 Finite Element Models""; ""2.3 System Design Philosophy""; ""3 Prescriptive Design Method (PrDM)""; ""3.1 Classification According to Current Provisions""; ""3.2 System Analysis""; ""3.2.1 Wall Model""; ""3.2.2 Coupling Beam Model""; ""3.2.3 Beam-Wall Connection Model"" ""3.3 Vertical Redistribution of Coupling Beam Forces""""3.4 Beam and Wall Overstrength""; ""3.5 Design Process""; ""4 Performance-Based Design Method (PBDM)""; ""4.1 Performance Objectives""; ""4.2 Recommended Analysis Methods""; ""4.3 Modeling Guidance""; ""4.3.1 Load Model""; ""4.3.2 Component Force-Deformation Response for Nonlinear Analysis Procedures""; ""4.3.3 Simplified Model for Nonlinear Static Procedure""; ""4.4 Preliminary Proportioning""; ""4.4.1 Method of Determining Trial Proportioning for HCWs""; ""4.5 Acceptance Criteria""; ""4.5.1 Coupling Beams""

""4.5.2 Reinforced Concrete Wall Piers""""4.5.3 Beam-Wall Connection""; ""4.6 Design Process""; ""5 Component Design""; ""5.1 Coupling Beam Design""; ""5.1.1 Composite versus Non-Composite Coupling Beams""; ""5.1.2 Coupling Beam Bracing""; ""5.2 Beam-Wall Connection Design""; ""5.2.1 Embedment Length Calculation""; ""5.2.2 Wall Boundary Regions at Beam Embedment""; ""5.2.3 Top Beam-Wall Connections""; ""5.2.4 Joint Constructibility Issues""; ""5.3 Wall Pier Design""; ""5.3.1 Flexural and Axial Strength Interaction""; ""5.3.2 Base Shear Magnification""; ""5.3.3 Wall Shear Strength""
""5.3.4 Special Detailing of Shear Wall Boundary Elements""""5.3.5 Force Transfer at Base of Wall""; ""6 Alternative Hybrid Wall Systems""; ""6.1 Unbonded Post-Tensioned Coupled Wall Systems""; ""6.2 Steel Coupling Beam with Fuse""; ""6.3 Composite Shear Plate Coupling Beam""; ""Appendix I: Development of Fundamental Wall Geometry""; ""Appendix II: References""; ""Index""; ""A""; ""B""; ""C""; ""D""; ""E""; ""H""; ""M""; ""O""; ""P""; ""R""; ""S""; ""W""; ""X""

2. Record Nr. UNINA9910139197403321

Titolo	The chemical biology of DNA damage [[electronic resource] /] / edited by Nicholas E. Geacintov and Suse Broyde
Pubbl/distr/stampa	Weinheim [Germany], : Wiley, 2010
ISBN	3-527-64211-0 1-282-78445-5 9786612784453 3-527-63011-2 3-527-63012-0
Edizione	[1st ed.]
Descrizione fisica	1 online resource (473 p.)
Altri autori (Persone)	GeacintovNicholas E BroydeSuse
Disciplina	572.8 572.86 22
Soggetti	DNA damage
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.

Nota di contenuto	pt. 1. Chemistry and biology of DNA lesions -- pt. 2 New frontiers and challenges : understanding structure-function relationships and biological activity.
Sommario/riassunto	Bringing the power of biochemical analysis to toxicology, this modern reference explains genotoxicity at the molecular level, showing the links between a DNA lesion and the resulting cellular or organismic response. Clearly divided into two main sections, Part 1 focuses on selected examples of important DNA lesions and their biological impact, while the second part covers current advances in assessing and predicting the genotoxic effects of chemicals, taking into account the biological responses mediated by the DNA repair, replication and transcription machineries.A ready reference for bio