

1. Record Nr.	UNISA996218610003316
Titolo	Structures & construction in historic building conservation [[electronic resource] /] / edited by Michael Forsyth
Pubbl/distr/stampa	Oxford, UK ; ; Malden, MA, : Blackwell, 2007
ISBN	1-281-31887-6 9786611318871 0-470-69181-6 0-470-69114-X
Edizione	[1st ed.]
Descrizione fisica	1 online resource (250 p.)
Collana	Historic building conservation
Altri autori (Persone)	ForsythMichael <1951->
Disciplina	720.28/8
Soggetti	Historic buildings - Conservation and restoration Structural engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Companion volume to Understanding historic building conservation and Materials & skills for historic building conservation.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Structures & construction in historic building conservation; Contents; Preface; Contributors; 1: What is conservation engineering?; 2: The philosophy of conservation engineering; 3: The Building Regulations and related legislation; 4: Metric survey techniques for historic buildings; 5: Investigating, monitoring and load testing historic structures; 6: Basic soil mechanics, foundations and repair of settlement damage; 7: Effects of induced movement; 8: Repairs to historic structures; 9: Numerical modelling of masonry structures; 10: Use of iron and steel in buildings 11: Conservation of concrete and reinforced concrete12: Fire safety and historic buildings; 13: The effects of road traffic vibration on historic buildings; 14: Scaffolding and temporary works for historic structures; Index
Sommario/riassunto	Structures & Construction in Historic Building Conservation traces the history of structures in various materials and contains guidance on the survey, assessment and diagnosis of structures and the integration of building code requirements within the historic fabric.It discusses conservation engineering philosophy, exposes the conflict between

building codes and conservation legislation, and offers solutions. Leading-edge, on-site metric survey techniques are described and a range of structural advice is given, including methods of repair in relation to philosophical principles. Causes

---