

1. Record Nr.	UNINA9910812466603321
Titolo	Structural masonry designers' manual // W.G. Curtin ... [et al.]
Pubbl/distr/stampa	Oxford ; ; Malden, MA, : Blackwell Science, c2006
ISBN	9786611319199 9781281319197 1281319198 9780470708767 047070876X 9781613441794 1613441797 9780470774403 0470774401 9780470777411 0470777419
Edizione	[3rd ed. /]
Descrizione fisica	1 online resource (354 p.)
Altri autori (Persone)	CurtinW. G (William George) EasterbrookDavid
Disciplina	693/.1
Soggetti	Masonry Structural design
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index. "Curtins consulting."
Nota di contenuto	Advantages and disadvantages of structural masonry -- Design philosophy -- Limit state design -- Basis of design (1): vertical loading -- Basis of design (2): lateral loading tensile and shear strength -- Strapping, propping and tying of loadbearing masonry -- Stability, accidental damage and progressive collapse -- Structural elements and forms -- Design of masonry elements (1): vertically loaded -- Design of masonry elements (2): combined bending and axial loading -- Design of single-storey buildings -- Fin and diaphragm walls in tall single-storey buildings -- Design of multi-storey structures -- Reinforced and post-tensioned masonry -- Arches -- Materials --

Components -- Movement joints -- Provision for services.

Sommario/riassunto

This major handbook covers the structural use of brick and block work. A major feature is a series of step-by-step design examples of typical elements and buildings. The book has been revised to include updates to the code of practice BS 5628:2000-2 and the 2004 version of Part A of the Building Regulations. New information on sustainability issues, innovation in masonry, health and safety issues and technical developments has been added.
