CV3313: Building Engineering



[1]

A. Dye 2008. Environmental Construction Handbook.

[2]

A., Saunders 2005. London County Council Bomb Damage Maps 1939-45. London Topographical Society .

[3]

Abel, C. and Royal Academy of Arts (Great Britain) 2003. Sky high: vertical architecture. Royal Academy of Arts.

[4]

Abel, C. and Royal Academy of Arts (Great Britain) 2003. Sky high: vertical architecture. Royal Academy of Arts.

[5]

Abel, C. and Royal Academy of Arts (Great Britain) 2003. Sky high: vertical architecture. Royal Academy of Arts.

[6]

Abel, C. and Royal Academy of Arts (Great Britain) 2003. Sky high: vertical architecture. Royal Academy of Arts.

[7]

Abel, C. and Royal Academy of Arts (Great Britain) 2003. Sky high: vertical architecture. Royal Academy of Arts.

[8]

A.J. Newman Rain Penetration Through Masonry Walls:Diagnosis and Remedial Measures. Construction Research Communications (CRC).

[9]

Allen, A.H. and British Cement Association 1983. An introduction to prestressed concrete. British Cement Association

[10]

Andrew Orton 1992. Structural design of masonry. Longman.

[11]

Arya, Chanakya and EBL DDA. 2009. Design of Structural Elements: Concrete, Steelwork, Masonry and Timber Designs to British Standards and Eurocodes, Third Edition. Taylor and Francis.

[12]

Arya, Chanakya and EBL DDA. 2009. Design of Structural Elements: Concrete, Steelwork, Masonry and Timber Designs to British Standards and Eurocodes, Third Edition. Taylor and Francis.

[13]

A.W. Hendry 2000. Masonry Wall Construction. Taylor & Francis.

[14]

Bangash, M. Y. H. and Institution of Civil Engineers 2009. Structural detailing in steel. Thomas Telford Ltd.

[15]

Bennett, D. 2001. Exploring concrete architecture: tone, texture, form. Birkhüser.

[16]

Bennett, D. 2001. Exploring concrete architecture: tone, texture, form. Birkhüser.

[17]

Bennett, D. and Concrete Centre (Great Britain) 2006. Concrete elegance one. Riba Publishing.

[18]

Bennett, D. and Concrete Centre (Great Britain) 2006. Concrete elegance two. RIBA Publications.

[19]

Benton, R. 1989. Basic structural detailing. Longman.

[20]

Billington, M. J. et al. 2007. The building regulations: explained and illustrated. Blackwell.

[21]

Blanc, Alan et al. 1993. Architecture and construction in steel. E & F N Spon.

[22]

Blanc, Alan et al. 1993. Architecture and construction in steel. E & F N Spon.

[23]

Blanc, Alan et al. 1993. Architecture and construction in steel. E & F N Spon.

[24]

Blanc, Alan et al. 1993. Architecture and construction in steel. E & F N Spon.

[25]

Blanc, Alan et al. 1993. Architecture and construction in steel. E & F N Spon.

[26]

Blanc, Alan et al. 1993. Architecture and construction in steel. E & F N Spon.

[27]

Boughton, Brian William 1979. Reinforced concrete detailer's manual. Crosby Lockwood Staples.

[28]

BRE - Special Digest 1: .

[29]

British Cement Association 1999. Concrete through the ages: from 7000 BC to AD 2000. British Cement Association.

[30]

British Geological Survey (BGS): .

[31]

Building on brownfield sites: identifying the hazards: 2003. .

[32]

Bullivant, Roger A. and Bradbury, H. W. 1996. Underpinning: a practical guide. Blackwell Science.

[33]

Burberry, Peter 1997. Environment and services. Longman.

[34]

Campbell, J.W.P. and Pryce, W. 2003. Brick: a world history. Thames & Hudson.

[35]

Charles, J.A. et al. 2002. Brownfield sites: ground-related risks for buildings. CRC.

[36]

Charles, J.A. and Building Research Establishment 2005. Geotechnics for building professionals. BRE.

[37]

Charles, J.A. and Building Research Establishment 2005. Geotechnics for building professionals. BRE.

[38]

Chudley, R. 1982. Building superstructure. Construction.

[39]

Construction Industry Research and Information Association and Construction Industry Research and Information Association 1992. Wall technology: Vol.A: Performance requirements. CIRIA.

[40]

Cook, N J. and Building Research Establishment The designer's guide to wind loading of building structures. Butterworths.

[41]

Couchman, G.H. and Rackham, D.L. 2000. Composite Slabs and Beams Using Steel Decking: Best Practice for Design and Construction.

[42]

Cowell, R. 1991. Beside the Track Side Vibration Isolation. (1991).

[43]

Curtin, W.G. et al. 2006. Structural foundation designers' manual. Blackwell Pub.

[44]

D., Bennett 2007. Architectural Insitu Concrete. RIBA.

[45]

D., Bennett The Art of Precast Concrete. Birkhäuser Basel.

[46]

Daniels, K. 2003. Advanced building systems: a technical guide for architects and engineers. Birkhäuser.

[47]

Dav Chadderton Building Services Engineering. Routledge.

[48]

David C. Pritchard 1978. Environmental Physics Lighting. Longman.

[49]

Davison, Buick et al. 2003. Steel designers' manual. Blackwell Science.

[50]

Davison, Buick et al. 2003. Steel designers' manual. Blackwell Science.

[51]

Davison, Buick et al. 2003. Steel designers' manual. Blackwell Science.

[52]

Davison, Buick et al. 2003. Steel designers' manual. Blackwell Science.

[53]

Davison, Buick et al. 2003. Steel designers' manual. Blackwell Science.

[54]

Davison, Buick et al. 2003. Steel designers' manual. Blackwell Science.

[55]

Davison, Buick et al. 2003. Steel designers' manual. Blackwell Science.

[56]

Development and Flood Risk - Guidance for the Construction Industry: 2004. .

[57]

Diagnosis of deterioration in concrete structures Technical Report No 54: 2000. .

[58]

Domone, P.L.J. et al. 2010. Construction materials: their nature and behaviour. Spon.

[59]

Domone, P.L.J. et al. 2010. Construction materials: their nature and behaviour. Spon.

[60]

Driscoll, R.M.C. et al. 2007. Subsidence damage to domestic buildings: a guide to good technical practice. IHS BRE Press.

[61]

Early-age thermal crack control in concrete: 2007. . .

[62]

Eisele, J. and Kloft, E. 2003. High-rise manual: typology and design, construction, and technology. Birkhûser-Publishers for Architecture.

[63]

Eisele, J. and Kloft, E. 2003. High-rise manual: typology and design, construction, and technology. Birkhûser-Publishers for Architecture.

[64]

Eisele, J. and Kloft, E. 2003. High-rise manual: typology and design, construction, and technology. Birkhûser-Publishers for Architecture.

[65]

Eisele, J. and Kloft, E. 2003. High-rise manual: typology and design, construction, and technology. Birkhûser-Publishers for Architecture.

[66]

Elliott, K. S. et al. 1992. Precast concrete frame buildings: design guide. British Cement Association.

[67]

Emmitt, Stephen et al. 2006. Barry's advanced construction of buildings. Blackwell.

[68]

Environment Agency: .

[69]

Foster, Jack Stroud et al. 2007. Structure and fabric: Part 2. Pearson Prentice Hall.

[70]

Foster, Jack Stroud et al. 2007. Structure and fabric: Part 2. Pearson Prentice Hall.

[71]

Foster, Jack Stroud et al. 2007. Structure and fabric: Part 2. Pearson Prentice Hall.

[72]

Foster, J.S. and Greeno, R. 2007. Structure and fabric: Part 1. Pearson/Prentice Hall.

[73]

G. Barnbrook 1981. House Foundations for the Builder and Building Designer. British Cement Association.

[74]

Garber, G. and Elsevier EBS. 2006. Design and construction of concrete floors. Butterworth-Heinemann.

[75]

Garber, G. and Elsevier EBS. 2006. Design and construction of concrete floors. Butterworth-Heinemann.

[76]

Garber, G. and Elsevier EBS. 2006. Design and construction of concrete floors. Butterworth-Heinemann.

[77]

Garber, G. and Elsevier EBS. 2006. Design and construction of concrete floors. Butterworth-Heinemann.

[78]

Gerard Lynch 1994. Brickwork: History, Technology and Practice. Donhead.

[79]

Gjorv, O.E. et al. 2000. Concrete technology for a sustainable development in the 21st century. E. & F. N. Spon.

[80]

G.,Pfeifer 2001. Masonry construction manual. Birkha

user.

[81]

Gray, C. and Reading Production Engineering Group 1995. In situ concrete frames: a strategy for improving the performance and productivity of the in situ concrete frame industry which will lower the cost of construction for the industry and its clients. Reading Production Engineering Group.

[82]

Groák, S. 1992. The idea of building: thought and action in the design and production of buildings. E. & F. N. Spon.

[83]

Guide to surface treatments for protection and enhancement of concrete Technical Report No 50: 1997. .

[84]

Harris, C. et al. 2005. The whole house book: ecological building design & materials. Centre for Alternative Technology.

[85]

Harrison, H.W. et al. 2002. Foundations, basements and external works: performance, diagnosis, maintenance, repair and the avoidance of defects. BRE.

[86]

Hart, F et al. 1985. Multi-storey buildings in steel. Nichols Pub. Co.

[87]

Holmes, J.D. 2015. Wind Loading of Structures. Apple Academic Press Inc.

[88]

Holmes, J.D. 2015. Wind Loading of Structures. Apple Academic Press Inc.

[89]

Holmes, J.D. 2015. Wind Loading of Structures. Apple Academic Press Inc.

[90]

Holmes, J.D. 2015. Wind Loading of Structures. Apple Academic Press Inc.

[91]

Insulating Concrete Formwork Association - UK: .

[92]

J., Nesbit 2002. A Turbulent Transition Building Contracts 1980 to 2001.

[93]

J. R., Harding 1983. Brickwork Durability.

[94]

Jason Alread 2007. Design-Tech: Building Science for Architects. Architectural Press.

[95]

John Duell 1977. Damp proof course detailing. Architectural Press.

[96]

John Roberts et al. Tree Roots in the Built Environment (Research for Amenity Trees). Stationery Office.

[97]

J.P. Broomfield Corrosion of Steel in Concrete. Taylor & Francis.

[98]

K. Thomas 1996. Masonry walls. Butterworth-Heinemann.

[99]

Kim Elliott 2002. Precast Concrete Structures. Butterworth-Heinemann.

[100]

Kind-Barkauskas, F. 2002. Concrete construction manual. Birkhüser.

[101]

Lawson, R.M. et al. 1997. Design of asymmetric Slimflor® beams using deep composite decking. Steel Construction Institute.

[102]

M. F. Atkinson 2004. Structural foundations manual for low-rise buildings. Spon Press.

[103]

M. F. Atkinson 2004. Structural foundations manual for low-rise buildings. Spon Press.

[104]

M. Millais Building Structures: From Concepts to Design. Spon Press.

[105]

Martin, W.S. 1996. Site Guide to Foundation Construction: A Handbook for Young Professionals. CIRIA.

[106]

McMullan, R. 2007. Environmental science in building. Palgrave Macmillan.

[107]

Mullett, D. L. et al. 1992. Slim floor construction using deep decking: interim design quidance. Steel Construction Institute.

[108]

Neville, A.M. 2011. Properties of concrete. Pearson.

[109]

Newman, G. M. 1989. The fire resistance of composite floors with steel decking. The Steel Construction Institute.

[110]

Nolan, E. et al. 2005. Innovation in concrete frame construction 1995-2015. BRE Publications.

[111]

Peck, M. 2006. Concrete: design, construction, examples. Birkhäuser.

[112]

Pennycook, K.A. and Building Services Research and Information Association 2008. The illustrated guide to renewable technologies. BSRIA.

[113]

Peter F., Smith 2005. Architecture in a climate of change: a guide to sustainable design. Elsevier.

[114]

Planning Policy Guidance 14 1990: Development on Unstable Ground: 1990. .

[115]

R. B. Bonshor 1996. Cracking in buildings. Construction Research Communications.

[116]

R. E. Shaeffer 1992. Reinforced concrete. McGraw-Hill.

[117]

R. Hunt et al. Foundation Movement and Remedial Underpinning in Low-rise Buildings. IHS BRE.

[118]

Rabeneck, A. 2009. Concrete – the Twentieth Century Material. (2009).

[119]

Ralph Morton 2002. Construction UK. Blackwell Science.

[120]

Reichel, A. 2007. Building with steel: details, principles, examples. Birkhüser.

[121]

Reichel, A. 2007. Building with steel: details, principles, examples. Birkhüser.

[122]

Reichel, A. 2007. Building with steel: details, principles, examples. Birkhüser.

[123]

Reichel, A. 2007. Building with steel: details, principles, examples. Birkhüser.

[124]

RenewableUK - UK Wind Speed Database: .

[125]

Roberts, John and Fairhall, Diane Noise control in the built environment. Gower Technical.

[126]

Sarah Gaventa 2001. Concrete design. Mitchell Beazley.

[127]

Sarah Gaventa 2001. Concrete design. Mitchell Beazley.

[128]

Seward, D. 2014. Understanding structures: analysis, materials, design. Palgrave Macmillan.

[129]

Seward, D. 2014. Understanding structures: analysis, materials, design. Palgrave Macmillan.

[130]

Seward, Derek W. 1994. Understanding structures: analysis, materials, design. Macmillan.

[131]

Seward, N.J. and Institution of Structural Engineers (Great Britain) 2005. Manual for the design of plain masonry in building structures. Institution of Structural Engineers.

[132]

Steffens, R.J. 1974. Structural vibration and damage: some notes on aspects of the problem and a review of available information. H.M.S.O.

[133]

Technical Report 38 Patch repair of reinforced concrete - subject to reinforcement corrosion. Model specification and method of measurement: 1991. .

[134]

The Vulnerability of UK Property to Windstorm Damage: 2003. .

[135]

Tomlinson, M. J. and Boorman, R. 2001. Foundation design and construction. Prentice Hall.

[136]

TR 62 Self-Compacting Concrete - A Review: 2005. .

[137]

Trebilcock, P. et al. 2004. Architectural design in steel. Spon.

[138]

Trebilcock, P. et al. 2004. Architectural design in steel. Spon.

[139]

Trebilcock, P. et al. 2004. Architectural design in steel. Spon.

[140]

Trebilcock, P. et al. 2004. Architectural design in steel. Spon.

[141]

Vivian, S. et al. 2005. Climate change risks in building: an introduction. CIRIA.

[142]

Waltham, A. C. 2002. Foundations of engineering geology. Spon Press.

[143]

Waltham, A. C. 2002. Foundations of engineering geology. Spon Press.

[144]

Webb, P. 1999. Hoopsafe beams to rectify subsidence damage in low-rise buildings. Structural Survey. 17, 2 (1999), 109–116. DOI:https://doi.org/10.1108/02630809910273785.

[145]

Wood, A. and Council on Tall Buildings and Urban Habitat 2013. Best tall buildings 2012: CTBUH international award winning projects. Routledge.

[146]

Wood, A. and Council on Tall Buildings and Urban Habitat 2013. Best tall buildings 2012: CTBUH international award winning projects. Routledge.

[147]

Wood, A. and Council on Tall Buildings and Urban Habitat 2013. Best tall buildings 2012: CTBUH international award winning projects. Routledge.

[148]

2000. BDA guide to successful brickwork. Arnold.

[149]

2004. BRE Digest 330 Alkali-silica reaction in concrete.

[150]

BRE Digest 346 Parts 1 - 8. Building Research Establishment.

[151]

1999. BRE Digest 436 Parts 1 - 3.

[152]

2000. BRE Digest 444 Corrosion of steel in concrete (in three parts). BRE.

[153]

2007. BRE, Wind, Floods and Climate Pack. Building Research Establishment.

[154]

2003. BS 5950 Structural use of steelwork in building. Code of practice for fire resistant design. BSI.

[155]

2003. BS 5950 Structural use of steelwork in building. Code of practice for fire resistant design. BSI.

[156]

1997. BS 6399-2 Loading for buildings. Code of practice for wind loads. BSI.

[157]

2006. BS 8500-2 Concrete. Complementary British Standard to BS EN 206-1. Specification for constituent materials and concrete. BSI.

[158]

2011. BS EN 197-1 Cement. Composition, specifications and conformity criteria for common cements. BSI.

[159]

BS EN 1504-1:2005 Definitions.

[160]

BS EN 1504-2:2004 Surface protection systems for concrete.

[161]
BS EN 1504-3:2005 Structural and non-structural repair.
[162]
BS EN 1504-5:2004 Concrete injection.
[163]
BS EN 1504-8:2004 Quality control and evaluation of conformity.
[164]
BS EN 1504-9:2008 Principles.
[165]
BS EN 1504-10:2003 Site application of products and systems and quality control of the works.
[166] 2007. BS EN 13791 Assessment of in-situ compressive strength in structures and pre-cast concrete components. BSI.
[167]
Concrete Elegance Three .
[168]
Ground Investigation and Treatment Pack. BRE Press .
[169]

1992. NHBC Standards. National House-Building Council.
[170]
2011. Steel Construction Manual. Ingram.
[171]
2011. Steel Construction Manual. Ingram.
[172]
2011. Steel Construction Manual. Ingram.
[173]
2011. Steel Construction Manual. Ingram.
[174]
2008. Steel Construction Yearbook .
[175] 2008. Steel Construction Yearbook .
[176]
2008. Steel Construction Yearbook .
[177]
2008. Steel Construction Yearbook .

[178]

2008. Steel Construction Yearbook.

[179]

2005. Tall Buildings: A Strategic Design Guide. RIBA.

[180]

2005. Tall Buildings: A Strategic Design Guide. RIBA.

[181]

2005. Tall Buildings: A Strategic Design Guide. RIBA.

[182]

TR22 Non-structural cracks in concrete -Fourth Edition. The Concrete Society.

[183]

1996. TRL Report 192 Sources of information for site investigations in Britain. Transport Research Laboratory.