

# CV3313: Building Engineering

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```
@book{2008, title={Environmental Construction Handbook}, author={A. Dye}, year={2008} }
```

```
@book{2005a, title={London County Council Bomb Damage Maps 1939-45}, publisher={London Topographical Society }, author={A., Saunders }, year={2005} }
```

```
@book{Abel_Royal Academy of Arts (Great Britain)_2003a, address={London}, title={Sky high: vertical architecture}, publisher={Royal Academy of Arts}, author={Abel, Chris and Royal Academy of Arts (Great Britain)}, year={2003} }
```

```
@book{Abel_Royal Academy of Arts (Great Britain)_2003b, address={London}, title={Sky high: vertical architecture}, publisher={Royal Academy of Arts}, author={Abel, Chris and Royal Academy of Arts (Great Britain)}, year={2003} }
```

```
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```

```
@book{Abel_Royal Academy of Arts (Great Britain)_2003d, address={London}, title={Sky high: vertical architecture}, publisher={Royal Academy of Arts}, author={Abel, Chris and Royal Academy of Arts (Great Britain)}, year={2003} }
```

```
@book{Abel_Royal Academy of Arts (Great Britain)_2003e, address={London}, title={Sky high: vertical architecture}, publisher={Royal Academy of Arts}, author={Abel, Chris and Royal Academy of Arts (Great Britain)}, year={2003} }
```

```
@book{A.J. Newman, title={Rain Penetration Through Masonry Walls:Diagnosis and Remedial Measures}, publisher={Construction Research Communications (CRC)}, author={A.J. Newman} }
```

```
@book{Allen_British Cement Association_1983, address={Slough}, title={An introduction to prestressed concrete}, publisher={British Cement Association}, author={Allen, A. H. and British Cement Association}, year={1983} }
```

```
@book{Andrew Orton_1992, address={London}, title={Structural design of masonry}, publisher={Longman}, author={Andrew Orton}, year={1992} }
```

```
@book{Arya, Chanakya_EBL DDA._2009a, address={Hoboken}, edition={3rd ed}, title={Design of Structural Elements: Concrete, Steelwork, Masonry and Timber Designs to British Standards and Eurocodes, Third Edition}, url={http://city.eblib.com/patron/FullRecord.aspx?p=428375}, publisher={Taylor and
```

Francis}, author={Arya, Chanakya and EBL DDA.}, year={2009} }

@book{Arya, Chanakya\_EBL DDA.\_2009b, address={Hoboken}, edition={3rd ed}, title={Design of Structural Elements: Concrete, Steelwork, Masonry and Timber Designs to British Standards and Eurocodes, Third Edition}, url={http://city.eblib.com/patron/FullRecord.aspx?p=428375}, publisher={Taylor and Francis}, author={Arya, Chanakya and EBL DDA.}, year={2009} }

@book{A.W. Hendry\_2000, title={Masonry Wall Construction}, publisher={Taylor & Francis}, author={A.W. Hendry}, year={2000} }

@misc{Bamforth\_2007, title={Early-age thermal crack control in concrete}, publisher={CIRIA}, author={Bamforth, P B }, year={2007} }

@book{Bangash, M. Y. H.\_Institution of Civil Engineers\_2009, address={London}, title={Structural detailing in steel}, publisher={Thomas Telford Ltd}, author={Bangash, M. Y. H. and Institution of Civil Engineers}, year={2009} }

@book{Bennett\_2001a, address={Basel}, title={Exploring concrete architecture: tone, texture, form}, publisher={Birkhüser}, author={Bennett, David}, year={2001} }

@book{Bennett\_2001b, address={Basel}, title={Exploring concrete architecture: tone, texture, form}, publisher={Birkhüser}, author={Bennett, David}, year={2001} }

@book{Bennett\_Concrete Centre (Great Britain)\_2006a, address={London}, title={Concrete elegance one}, publisher={Riba Publishing}, author={Bennett, David and Concrete Centre (Great Britain)}, year={2006} }

@book{Bennett\_Concrete Centre (Great Britain)\_2006b, address={London}, title={Concrete elegance two}, publisher={RIBA Publications}, author={Bennett, David and Concrete Centre (Great Britain)}, year={2006} }

@book{Benton\_1989, address={Harlow}, title={Basic structural detailing}, volume={Longman Technician Series}, publisher={Longman}, author={Benton, R}, year={1989} }

@book{Billington, M. J.\_Bright, Keith\_Waters, J. R.\_2007, address={Oxford}, edition={13th ed}, title={The building regulations: explained and illustrated}, publisher={Blackwell}, author={Billington, M. J. and Bright, Keith and Waters, J. R.}, year={2007} }

@book{Blanc, Alan\_McEvoy, Michael\_Plank, Roger\_Steel Construction Institute\_1993a, address={London}, title={Architecture and construction in steel}, publisher={E & F N Spon}, author={Blanc, Alan and McEvoy, Michael and Plank, Roger and Steel Construction Institute}, year={1993} }

@book{Blanc, Alan\_McEvoy, Michael\_Plank, Roger\_Steel Construction Institute\_1993b, address={London}, title={Architecture and construction in steel}, publisher={E & F N Spon}, author={Blanc, Alan and McEvoy, Michael and Plank, Roger and Steel Construction Institute}, year={1993} }

@book{Blanc, Alan\_McEvoy, Michael\_Plank, Roger\_Steel Construction Institute\_1993c,

address={London}, title={Architecture and construction in steel}, publisher={E & F N Spon}, author={Blanc, Alan and McEvoy, Michael and Plank, Roger and Steel Construction Institute}, year={1993} }

@book{Blanc, Alan\_McEvoy, Michael\_Plank, Roger\_Steel Construction Institute\_1993d, address={London}, title={Architecture and construction in steel}, publisher={E & F N Spon}, author={Blanc, Alan and McEvoy, Michael and Plank, Roger and Steel Construction Institute}, year={1993} }

@book{Blanc, Alan\_McEvoy, Michael\_Plank, Roger\_Steel Construction Institute\_1993e, address={London}, title={Architecture and construction in steel}, publisher={E & F N Spon}, author={Blanc, Alan and McEvoy, Michael and Plank, Roger and Steel Construction Institute}, year={1993} }

@book{Blanc, Alan\_McEvoy, Michael\_Plank, Roger\_Steel Construction Institute\_1993f, address={London}, title={Architecture and construction in steel}, publisher={E & F N Spon}, author={Blanc, Alan and McEvoy, Michael and Plank, Roger and Steel Construction Institute}, year={1993} }

@book{Boughton, Brian William\_1979, address={London}, edition={3rd ed}, title={Reinforced concrete detailer's manual}, publisher={Crosby Lockwood Staples}, author={Boughton, Brian William}, year={1979} }

@book{British Cement Association\_1999, address={Crowthorn}, title={Concrete through the ages: from 7000 BC to AD 2000}, publisher={British Cement Association}, author={British Cement Association}, year={1999} }

@book{Bullivant, Roger A. Bradbury, H. W. 1996, address={Oxford}, title={Underpinning: a practical guide}, publisher={Blackwell Science}, author={Bullivant, Roger A. and Bradbury, H. W.}, year={1996} }

@book{Burberry, Peter\_1997, edition={8th ed}, title={Environment and services}, volume={Mitchell's building series}, publisher={Longman}, author={Burberry, Peter}, year={1997} }

@book{Campbell\_Pryce\_2003, address={London}, title={Brick: a world history}, publisher={Thames & Hudson}, author={Campbell, James W. P. and Pryce, Will}, year={2003} }

@book{Charles\_Building Research Establishment\_2005a, address={Watford}, title={Geotechnics for building professionals}, publisher={BRE}, author={Charles, J. A. and Building Research Establishment}, year={2005} }

@book{Charles\_Building Research Establishment\_2005b, address={Watford}, title={Geotechnics for building professionals}, publisher={BRE}, author={Charles, J. A. and Building Research Establishment}, year={2005} }

@misc{Charles\_2003, title={Building on brownfield sites: identifying the hazards}, author={Charles, J.A.}, year={2003} }

@book{Charles\_Building Research Establishment\_Construction Research Communications Ltd\_National House-Building Council\_2002, address={Watford}, title={Brownfield sites:

ground-related risks for buildings}, publisher={CRC}, author={Charles, James A. and Building Research Establishment and Construction Research Communications Ltd and National House-Building Council}, year={2002} }

@book{Chudley, R.\_1982, address={London}, title={Building superstructure}, publisher={Construction}, author={Chudley, R.}, year={1982} }

@book{Construction Industry Research and Information Association\_Construction Industry Research and Information Association\_1992, title={Wall technology: Vol.A: Performance requirements}, volume={Special publication}, publisher={CIRIA}, author={Construction Industry Research and Information Association and Construction Industry Research and Information Association}, year={1992} }

@book{Cook, N J.\_Building Research Establishment, title={The designer's guide to wind loading of building structures}, volume={Building Research Establishment report}, publisher={Butterworths}, author={Cook, N J. and Building Research Establishment} }

@book{Couchman\_Rackham\_2000, title={Composite Slabs and Beams Using Steel Decking: Best Practice for Design and Construction}, author={Couchman, G.H. and Rackham, D.L.}, year={2000} }

@article{Cowell\_1991, title={Beside the Track Side Vibration Isolation}, publisher={Architects' Journal}, author={Cowell, R.}, year={1991} }

@book{Curtin\_Seward\_Wiley Online Library EBS.\_2006, address={Malden, MA}, edition={2nd ed}, title={Structural foundation designers' manual}, url={http://0-dx.doi.org.wam.city.ac.uk/10.1002/9780470775066}, publisher={Blackwell Pub}, author={Curtin, W. G. and Seward, N. J. and Wiley Online Library EBS.}, year={2006} }

@book{2007, title={Architectural Insitu Concrete}, publisher={RIBA }, author={D., Bennett}, year={2007} }

@book{D., Bennett, title={The Art of Precast Concrete}, publisher={Birkhäuser Basel}, author={D., Bennett} }

@book{Daniels\_2003, address={Basel}, title={Advanced building systems: a technical guide for architects and engineers}, publisher={Birkhäuser}, author={Daniels, Klaus}, year={2003} }

@book{Dav Chadderton, title={Building Services Engineering}, publisher={Routledge}, author={Dav Chadderton} }

@book{David C. Pritchard\_1978, address={London}, title={Environmental Physics Lighting}, publisher={Longman}, author={David C. Pritchard}, year={1978} }

@book{Davison, Buick\_Owens, Graham W.\_Steel Construction Institute\_2003a, address={Oxford}, edition={6th ed}, title={Steel designers' manual}, publisher={Blackwell Science}, author={Davison, Buick and Owens, Graham W. and Steel Construction Institute}, year={2003} }

@book{Davison, Buick\_Owens, Graham W.\_Steel Construction Institute\_2003b,

address={Oxford}, edition={6th ed}, title={Steel designers' manual}, publisher={Blackwell Science}, author={Davison, Buick and Owens, Graham W. and Steel Construction Institute}, year={2003} }

@book{Davison, Buick\_Owens, Graham W.\_Steel Construction Institute\_2003c, address={Oxford}, edition={6th ed}, title={Steel designers' manual}, publisher={Blackwell Science}, author={Davison, Buick and Owens, Graham W. and Steel Construction Institute}, year={2003} }

@book{Davison, Buick\_Owens, Graham W.\_Steel Construction Institute\_2003d, address={Oxford}, edition={6th ed}, title={Steel designers' manual}, publisher={Blackwell Science}, author={Davison, Buick and Owens, Graham W. and Steel Construction Institute}, year={2003} }

@book{Davison, Buick\_Owens, Graham W.\_Steel Construction Institute\_2003e, address={Oxford}, edition={6th ed}, title={Steel designers' manual}, publisher={Blackwell Science}, author={Davison, Buick and Owens, Graham W. and Steel Construction Institute}, year={2003} }

@book{Davison, Buick\_Owens, Graham W.\_Steel Construction Institute\_2003f, address={Oxford}, edition={6th ed}, title={Steel designers' manual}, publisher={Blackwell Science}, author={Davison, Buick and Owens, Graham W. and Steel Construction Institute}, year={2003} }

@book{Davison, Buick\_Owens, Graham W.\_Steel Construction Institute\_2003g, address={Oxford}, edition={6th ed}, title={Steel designers' manual}, publisher={Blackwell Science}, author={Davison, Buick and Owens, Graham W. and Steel Construction Institute}, year={2003} }

@book{Domone\_Illston\_Dawsonera\_2010a, address={London}, edition={4th ed}, title={Construction materials: their nature and behaviour}, url={<https://www.dawsonera.com/guard/protected/dawson.jsp?name=https://eresources.city.ac.uk/oala/metadata&dest=http://www.dawsonera.com/depp/reader/protected/external/AbstractView/S9780203927571>}, publisher={Spon}, author={Domone, P. L. J. and Illston, J. M. and Dawsonera}, year={2010} }

@book{Domone\_Illston\_Dawsonera\_2010b, address={London}, edition={4th ed}, title={Construction materials: their nature and behaviour}, url={<https://www.dawsonera.com/guard/protected/dawson.jsp?name=https://eresources.city.ac.uk/oala/metadata&dest=http://www.dawsonera.com/depp/reader/protected/external/AbstractView/S9780203927571>}, publisher={Spon}, author={Domone, P. L. J. and Illston, J. M. and Dawsonera}, year={2010} }

@book{Driscoll\_Skinner\_BRE Trust\_2007, address={Bracknell}, title={Subsidence damage to domestic buildings: a guide to good technical practice}, publisher={IHS BRE Press}, author={Driscoll, R. M. C. and Skinner, Hilary and BRE Trust}, year={2007} }

@book{Eisele\_Kloft\_2003a, address={Basel}, title={High-rise manual: typology and design, construction, and technology}, publisher={Birkhüser-Publishers for Architecture}, author={Eisele, Johann and Kloft, Ellen}, year={2003} }

@book{Eisele\_Kloft\_2003b, address={Basel}, title={High-rise manual: typology and

design, construction, and technology}, publisher={Birkh user-Publishers for Architecture}, author={Eisele, Johann and Kloft, Ellen}, year={2003} }

@book{Eisele\_Kloft\_2003c, address={Basel}, title={High-rise manual: typology and design, construction, and technology}, publisher={Birkh user-Publishers for Architecture}, author={Eisele, Johann and Kloft, Ellen}, year={2003} }

@book{Eisele\_Kloft\_2003d, address={Basel}, title={High-rise manual: typology and design, construction, and technology}, publisher={Birkh user-Publishers for Architecture}, author={Eisele, Johann and Kloft, Ellen}, year={2003} }

@book{Elliott, K. S.\_Tovey, A. K.\_British Cement Association\_1992, address={Slough}, title={Precast concrete frame buildings: design guide}, volume={British Cement Association publication}, publisher={British Cement Association}, author={Elliott, K. S. and Tovey, A. K. and British Cement Association}, year={1992} }

@book{Emmitt, Stephen\_Gorse, Christopher A.\_Barry, R.\_2006, address={Oxford}, edition={Rev. ed}, title={Barry's advanced construction of buildings}, publisher={Blackwell}, author={Emmitt, Stephen and Gorse, Christopher A. and Barry, R.}, year={2006} }

@book{Foster\_Greeno\_2007, address={Harlow}, edition={7th ed}, title={Structure and fabric: Part 1}, volume={Mitchell's building series}, publisher={Pearson/Prentice Hall}, author={Foster, Jack Stroud and Greeno, Roger}, year={2007} }

@book{Foster, Jack Stroud\_Harington, Raymond\_Greeno, Roger\_2007a, address={Harlow}, edition={7th ed}, title={Structure and fabric: Part 2}, volume={Mitchell's building series}, publisher={Pearson Prentice Hall}, author={Foster, Jack Stroud and Harington, Raymond and Greeno, Roger}, year={2007} }

@book{Foster, Jack Stroud\_Harington, Raymond\_Greeno, Roger\_2007b, address={Harlow}, edition={7th ed}, title={Structure and fabric: Part 2}, volume={Mitchell's building series}, publisher={Pearson Prentice Hall}, author={Foster, Jack Stroud and Harington, Raymond and Greeno, Roger}, year={2007} }

@book{Foster, Jack Stroud\_Harington, Raymond\_Greeno, Roger\_2007c, address={Harlow}, edition={7th ed}, title={Structure and fabric: Part 2}, volume={Mitchell's building series}, publisher={Pearson Prentice Hall}, author={Foster, Jack Stroud and Harington, Raymond and Greeno, Roger}, year={2007} }

@book{G. Barnbrook\_1981, title={House Foundations for the Builder and Building Designer}, publisher={British Cement Association}, author={G. Barnbrook}, year={1981} }

@book{Garber, G.\_Elsevier EBS.\_2006a, address={Amsterdam}, edition={2nd ed}, title={Design and construction of concrete floors}, url={http://0-www.sciencedirect.com.wam.city.ac.uk/science/book/9780750666565}, publisher={Butterworth-Heinemann}, author={Garber, G. and Elsevier EBS.}, year={2006} }

@book{Garber, G.\_Elsevier EBS.\_2006b, address={Amsterdam}, edition={2nd ed}, title={Design and construction of concrete floors},

url={http://0-www.sciencedirect.com.wam.city.ac.uk/science/book/9780750666565},  
 publisher={Butterworth-Heinemann}, author={Garber, G. and Elsevier EBS.},  
 year={2006} }

@book{Garber, G\_ Elsevier EBS. \_2006c, address={Amsterdam}, edition={2nd ed},  
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 url={http://0-www.sciencedirect.com.wam.city.ac.uk/science/book/9780750666565},  
 publisher={Butterworth-Heinemann}, author={Garber, G. and Elsevier EBS.},  
 year={2006} }

@book{Garber, G\_ Elsevier EBS. \_2006d, address={Amsterdam}, edition={2nd ed},  
 title={Design and construction of concrete floors},  
 url={http://0-www.sciencedirect.com.wam.city.ac.uk/science/book/9780750666565},  
 publisher={Butterworth-Heinemann}, author={Garber, G. and Elsevier EBS.},  
 year={2006} }

@book{Gerard Lynch\_1994, address={London}, title={Brickwork: History, Technology  
 and Practice}, volume={2}, publisher={Donhead}, author={Gerard Lynch},  
 year={1994} }

@book{Gjorv\_Sakai\_International Workshop on 'Concrete Technology for a Sustainable  
 Development in the 21st Century'\_2000, address={London}, title={Concrete technology  
 for a sustainable development in the 21st century}, publisher={E. & F. N. Spon},  
 author={Gjorv, Odd E. and Sakai, K. and International Workshop on 'Concrete Technology  
 for a Sustainable Development in the 21st Century'}, year={2000} }

@book{2001, address={Boston}, title={Masonry construction manual},  
 publisher={Birkha

user}, author={G.,Pfeifer}, year={2001} }

@book{Gray\_Reading Production Engineering Group\_1995, address={Reading}, title={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}, volume={Improving construction performance}, publisher={Reading  
 Production Engineering Group}, author={Gray, C. and Reading Production Engineering  
 Group}, year={1995} }

@book{Groák\_1992, address={London}, title={The idea of building: thought and action  
 in the design and production of buildings}, publisher={E. & F. N. Spon}, author={Groák,  
 Steven}, year={1992} }

@book{Harris\_Borer\_Preston\_Foo\_Centre for Alternative Technology (Great Britain)\_2005,  
 address={Machynlleth}, edition={2nd ed}, title={The whole house book: ecological  
 building design & materials}, publisher={Centre for Alternative Technology},  
 author={Harris, Cindy and Borer, Pat and Preston, Graham and Foo, Benedicte and Centre  
 for Alternative Technology (Great Britain)}, year={2005} }

@book{Harrison\_Trotman\_Building Research Establishment\_2002, address={Garston},  
 title={Foundations, basements and external works: performance, diagnosis, maintenance,  
 repair and the avoidance of defects}, volume={BRE building elements}, publisher={BRE},  
 author={Harrison, H. W. and Trotman, P. M. and Building Research Establishment},

year={2002} }

@book{Hart, F\_Henn, Walter\_Sontag, H.\_Godfrey, G. Bernard\_1985, address={New York}, edition={2nd ed}, title={Multi-storey buildings in steel}, publisher={Nichols Pub. Co}, author={Hart, F and Henn, Walter and Sontag, H. and Godfrey, G. Bernard}, year={1985} }

@book{Holmes\_2015a, address={Oakville}, edition={3 ed}, title={Wind Loading of Structures}, publisher={Apple Academic Press Inc}, author={Holmes, John D.}, year={2015} }

@book{Holmes\_2015b, address={Oakville}, edition={3 ed}, title={Wind Loading of Structures}, publisher={Apple Academic Press Inc}, author={Holmes, John D.}, year={2015} }

@book{Holmes\_2015c, address={Oakville}, edition={3 ed}, title={Wind Loading of Structures}, publisher={Apple Academic Press Inc}, author={Holmes, John D.}, year={2015} }

@book{Holmes\_2015d, address={Oakville}, edition={3 ed}, title={Wind Loading of Structures}, publisher={Apple Academic Press Inc}, author={Holmes, John D.}, year={2015} }

@book{2002, title={A Turbulent Transition Building Contracts 1980 to 2001}, author={J., Nesbit}, year={2002} }

@book{1983, title={Brickwork Durability}, author={J. R., Harding }, year={1983} }

@book{Jason Alread\_2007, address={Burlington, MA}, title={Design-Tech: Building Science for Architects}, publisher={Architectural Press}, author={Jason Alread}, year={2007} }

@book{John Duell\_1977, address={London}, title={Damp proof course detailing}, publisher={Architectural Press}, author={John Duell}, year={1977} }

@book{John Roberts\_Nick Jackson\_Mark Smith, title={Tree Roots in the Built Environment (Research for Amenity Trees)}, publisher={Stationery Office}, author={John Roberts and Nick Jackson and Mark Smith} }

@book{J.P. Broomfield, title={Corrosion of Steel in Concrete}, publisher={Taylor & Francis}, author={J.P. Broomfield} }

@book{K. Thomas\_1996, address={Boston}, title={Masonry walls}, publisher={Butterworth-Heinemann}, author={K. Thomas}, year={1996} }

@book{Kim Elliott\_2002, title={Precast Concrete Structures}, publisher={Butterworth-Heinemann}, author={Kim Elliott}, year={2002} }

@book{Kind-Barkauskas\_2002, address={Basel}, title={Concrete construction manual}, publisher={Birkhüser}, author={Kind-Barkauskas, Friedbert}, year={2002} }

@book{Lawson\_Mullett\_Rackham\_1997, address={Ascot}, title={Design of asymmetric



Slimflor® beams using deep composite decking}, publisher={Steel Construction Institute}, author={Lawson, R. M. and Mullett, D. L. and Rackham, J. W.}, year={1997} }

@book{M. F. Atkinson\_2004a, address={London}, title={Structural foundations manual for low-rise buildings}, publisher={Spon Press}, author={M. F. Atkinson}, year={2004} }

@book{M. F. Atkinson\_2004b, address={London}, title={Structural foundations manual for low-rise buildings}, publisher={Spon Press}, author={M. F. Atkinson}, year={2004} }

@book{M. Millais, title={Building Structures: From Concepts to Design}, publisher={Spon Press}, author={M. Millais} }

@book{Martin\_1996, address={London}, title={Site Guide to Foundation Construction: A Handbook for Young Professionals}, publisher={CIRIA}, author={Martin, W.S.}, year={1996} }

@book{McMullan, R.\_2007, address={Basingstoke}, edition={6th ed}, title={Environmental science in building}, publisher={Palgrave Macmillan}, author={McMullan, R.}, year={2007} }

@book{Mullett, D. L.\_Lawson, R. M.\_Steel Construction Institute\_1992, title={Slim floor construction using deep decking: interim design guidance}, publisher={Steel Construction Institute}, author={Mullett, D. L. and Lawson, R. M. and Steel Construction Institute}, year={1992} }

@book{Neville\_2011, address={Harlow, England}, edition={Fifth edition}, title={Properties of concrete}, publisher={Pearson}, author={Neville, Adam M.}, year={2011} }

@book{Newman, G. M.\_1989, address={Ascot}, title={The fire resistance of composite floors with steel decking}, volume={SCI publication}, publisher={The Steel Construction Institute}, author={Newman, G. M.}, year={1989} }

@book{Nolan\_Great Britain\_Building Research Establishment\_2005, address={Bracknell}, title={Innovation in concrete frame construction 1995-2015}, publisher={BRE Publications}, author={Nolan, Eanna and Great Britain and Building Research Establishment}, year={2005} }

@book{Peck\_2006, address={Basel}, title={Concrete: design, construction, examples}, publisher={Birkhäuser}, author={Peck, Martin}, year={2006} }

@book{Pennycook\_Building Services Research and Information Association\_2008, address={Bracknell}, title={The illustrated guide to renewable technologies}, publisher={BSRIA}, author={Pennycook, K. A. and Building Services Research and Information Association}, year={2008} }

@book{2005b, title={Architecture in a climate of change: a guide to sustainable design}, publisher={Elsevier}, author={Peter F., Smith }, year={2005} }

@book{R. B. Bonshor\_1996, address={London}, title={Cracking in buildings}, publisher={Construction Research Communications}, author={R. B. Bonshor}, year={1996} }

@book{R. E. Shaeffer\_1992, address={New York}, title={Reinforced concrete}, publisher={McGraw-Hill}, author={R. E. Shaeffer}, year={1992} }

@book{R. Hunt\_D.H. Dyer\_R. Driscoll, title={Foundation Movement and Remedial Underpinning in Low-rise Buildings}, publisher={IHS BRE}, author={R. Hunt and D.H. Dyer and R. Driscoll} }

@article{Rabeneck\_2009, title={Concrete - the Twentieth Century Material}, author={Rabeneck, A.}, year={2009} }

@book{Ralph Morton\_2002, address={Oxford}, title={Construction UK}, publisher={Blackwell Science}, author={Ralph Morton}, year={2002} }

@book{Reichel\_2007a, address={Basel}, title={Building with steel: details, principles, examples}, publisher={Birkhüser}, author={Reichel, Alexander}, year={2007} }

@book{Reichel\_2007b, address={Basel}, title={Building with steel: details, principles, examples}, publisher={Birkhüser}, author={Reichel, Alexander}, year={2007} }

@book{Reichel\_2007c, address={Basel}, title={Building with steel: details, principles, examples}, publisher={Birkhüser}, author={Reichel, Alexander}, year={2007} }

@book{Reichel\_2007d, address={Basel}, title={Building with steel: details, principles, examples}, publisher={Birkhüser}, author={Reichel, Alexander}, year={2007} }

@book{Roberts, John\_Fairhall, Diane, title={Noise control in the built environment}, publisher={Gower Technical}, author={Roberts, John and Fairhall, Diane} }

@book{Sarah Gaventa\_2001a, address={London}, title={Concrete design}, publisher={Mitchell Beazley}, author={Sarah Gaventa}, year={2001} }

@book{Sarah Gaventa\_2001b, address={London}, title={Concrete design}, publisher={Mitchell Beazley}, author={Sarah Gaventa}, year={2001} }

@book{Seward\_2014a, address={Basingstoke, Hampshire}, edition={Fifth edition}, title={Understanding structures: analysis, materials, design}, publisher={Palgrave Macmillan}, author={Seward, Derek}, year={2014} }

@book{Seward\_2014b, address={Basingstoke, Hampshire}, edition={Fifth edition}, title={Understanding structures: analysis, materials, design}, publisher={Palgrave Macmillan}, author={Seward, Derek}, year={2014} }

@book{Seward, Derek W.\_1994, address={Basingstoke}, title={Understanding structures: analysis, materials, design}, publisher={Macmillan}, author={Seward, Derek W.}, year={1994} }

@book{Seward\_Institution of Structural Engineers (Great Britain)\_2005, address={London}, edition={2nd ed}, title={Manual for the design of plain masonry in

building structures}, publisher={Institution of Structural Engineers}, author={Seward, N. J. and Institution of Structural Engineers (Great Britain)}, year={2005} }

@book{Steffens\_1974, address={London}, title={Structural vibration and damage: some notes on aspects of the problem and a review of available information}, volume={Reports / Building Research Establishment}, publisher={H.M.S.O}, author={Steffens, Raymond John}, year={1974} }

@book{Tomlinson, M. J.\_Boorman, R.\_2001, address={Harlow}, edition={7th ed}, title={Foundation design and construction}, publisher={Prentice Hall}, author={Tomlinson, M. J. and Boorman, R.}, year={2001} }

@book{Trebilcock\_Lawson\_Steel Construction Institute\_2004a, address={London}, title={Architectural design in steel}, url={https://www.dawsonera.com/guard/protected/dawson.jsp?name=https://eresources.city.ac.uk/oala/metadata&dest=http://www.dawsonera.com/depp/reader/protected/external/AbstractView/S9780203641651}, publisher={Spon}, author={Trebilcock, Peter and Lawson, R. M. and Steel Construction Institute}, year={2004} }

@book{Trebilcock\_Lawson\_Steel Construction Institute\_2004b, address={London}, title={Architectural design in steel}, url={https://www.dawsonera.com/guard/protected/dawson.jsp?name=https://eresources.city.ac.uk/oala/metadata&dest=http://www.dawsonera.com/depp/reader/protected/external/AbstractView/S9780203641651}, publisher={Spon}, author={Trebilcock, Peter and Lawson, R. M. and Steel Construction Institute}, year={2004} }

@book{Trebilcock\_Lawson\_Steel Construction Institute\_2004c, address={London}, title={Architectural design in steel}, url={https://www.dawsonera.com/guard/protected/dawson.jsp?name=https://eresources.city.ac.uk/oala/metadata&dest=http://www.dawsonera.com/depp/reader/protected/external/AbstractView/S9780203641651}, publisher={Spon}, author={Trebilcock, Peter and Lawson, R. M. and Steel Construction Institute}, year={2004} }

@book{Trebilcock\_Lawson\_Steel Construction Institute\_2004d, address={London}, title={Architectural design in steel}, url={https://www.dawsonera.com/guard/protected/dawson.jsp?name=https://eresources.city.ac.uk/oala/metadata&dest=http://www.dawsonera.com/depp/reader/protected/external/AbstractView/S9780203641651}, publisher={Spon}, author={Trebilcock, Peter and Lawson, R. M. and Steel Construction Institute}, year={2004} }

@book{Vivian\_Rogers\_Williams\_Great Britain\_Construction Industry Research and Information Association\_2005, address={London}, title={Climate change risks in building: an introduction}, publisher={CIRIA}, author={Vivian, S. and Rogers, W. and Williams, N. and Great Britain and Construction Industry Research and Information Association}, year={2005} }

@book{Waltham, A. C.\_2002a, address={London}, edition={2nd ed}, title={Foundations of engineering geology}, publisher={Spon Press}, author={Waltham, A. C.}, year={2002} }

@book{Waltham, A. C.\_2002b, address={London}, edition={2nd ed}, title={Foundations of engineering geology}, publisher={Spon Press}, author={Waltham, A. C.},

year={2002} }

@article{Webb\_1999, title={Hoopsafe beams to rectify subsidence damage in low-rise buildings}, volume={17}, DOI={10.1108/02630809910273785}, number={2}, journal={Structural Survey}, author={Webb, Philip}, year={1999}, pages={109-116} }

@book{Wood\_Council on Tall Buildings and Urban Habitat\_2013a, address={New York}, title={Best tall buildings 2012: CTBUH international award winning projects}, publisher={Routledge}, author={Wood, Antony and Council on Tall Buildings and Urban Habitat}, year={2013} }

@book{Wood\_Council on Tall Buildings and Urban Habitat\_2013b, address={New York}, title={Best tall buildings 2012: CTBUH international award winning projects}, publisher={Routledge}, author={Wood, Antony and Council on Tall Buildings and Urban Habitat}, year={2013} }

@book{Wood\_Council on Tall Buildings and Urban Habitat\_2013c, address={New York}, title={Best tall buildings 2012: CTBUH international award winning projects}, publisher={Routledge}, author={Wood, Antony and Council on Tall Buildings and Urban Habitat}, year={2013} }

@misc{Planning Policy Guidance 14 1990: Development on Unstable Ground\_1990, volume={PPG 14}, publisher={Department of the Environment}, year={1990} }

@misc{Technical Report 38 Patch repair of reinforced concrete - subject to reinforcement corrosion. Model specification and method of measurement\_1991, publisher={The Concrete Society}, year={1991} }

@book{NHBC Standards\_1992, publisher={National House-Building Council}, year={1992} }

@book{TRL Report 192 Sources of information for site investigations in Britain\_1996, publisher={Transport Research Laboratory}, year={1996} }

@misc{BS 6399-2 Loading for buildings. Code of practice for wind loads\_1997, publisher={BSI}, year={1997} }

@misc{Guide to surface treatments for protection and enhancement of concrete Technical Report No 50\_1997, publisher={The Concrete Society}, year={1997} }

@book{BRE Digest 436 Parts 1 - 3\_1999, year={1999} }

@book{BDA guide to successful brickwork\_2000, address={London}, publisher={Arnold}, year={2000} }

@misc{Diagnosis of deterioration in concrete structures Technical Report No 54\_2000, publisher={The Concrete Society}, year={2000} }

@book{BRE Digest 444 Corrosion of steel in concrete (in three parts)\_2000, publisher={BRE}, year={2000} }

@misc{The Vulnerability of UK Property to Windstorm Damage\_2003, publisher={Association of British Insurers}, year={2003} }

@misc{BS 5950 Structural use of steelwork in building. Code of practice for fire resistant design\_2003a, publisher={BSI}, year={2003} }

@misc{BS 5950 Structural use of steelwork in building. Code of practice for fire resistant design\_2003b, publisher={BSI}, year={2003} }

@misc{Development and Flood Risk - Guidance for the Construction Industry\_2004, volume={C624}, publisher={CIRIA}, year={2004} }

@book{BRE Digest 330 Alkali-silica reaction in concrete\_2004, year={2004} }

@misc{TR 62 Self-Compacting Concrete - A Review\_2005, publisher={Concrete Society}, year={2005} }

@book{Tall Buildings: A Strategic Design Guide\_2005a, address={London}, publisher={RIBA}, year={2005} }

@book{Tall Buildings: A Strategic Design Guide\_2005b, address={London}, publisher={RIBA}, year={2005} }

@book{Tall Buildings: A Strategic Design Guide\_2005c, address={London}, publisher={RIBA}, year={2005} }

@misc{BS 8500-2 Concrete. Complementary British Standard to BS EN 206-1. Specification for constituent materials and concrete\_2006, publisher={BSI}, year={2006} }

@book{BRE, Wind, Floods and Climate Pack\_2007, publisher={Building Research Establishment}, year={2007} }

@misc{BS EN 13791 Assessment of in-situ compressive strength in structures and pre-cast concrete components\_2007, publisher={BSI}, year={2007} }

@book{Steel Construction Yearbook \_2008a, year={2008} }

@book{Steel Construction Yearbook \_2008b, year={2008} }

@book{Steel Construction Yearbook \_2008c, year={2008} }

@book{Steel Construction Yearbook \_2008d, year={2008} }

@book{Steel Construction Yearbook \_2008e, year={2008} }

@misc{BS EN 197-1 Cement. Composition, specifications and conformity criteria for common cements\_2011, publisher={BSI}, year={2011} }

@book{Steel Construction Manual\_2011a, publisher={Ingram}, year={2011} }

@book{Steel Construction Manual\_2011b, publisher={Ingram}, year={2011} }

@book{Steel Construction Manual\_2011c, publisher={Ingram}, year={2011} }

@book{Steel Construction Manual\_2011d, publisher={Ingram}, year={2011} }

@article{BRE Digest 346 Parts 1 - 8, journal={Building Research Establishment} }

@book{Ground Investigation and Treatment Pack, publisher={BRE Press} }

@misc{British Geological Survey (BGS) }

@misc{Environment Agency }

@book{Concrete Elegance Three }

@book{TR22 Non-structural cracks in concrete -Fourth Edition, edition={4th}, publisher={The Concrete Society} }

@misc{BRE - Special Digest 1 }

@misc{BS EN 1504-1:2005 Definitions }

@misc{BS EN 1504-2:2004 Surface protection systems for concrete }

@misc{BS EN 1504-3:2005 Structural and non-structural repair }

@misc{BS EN 1504-5:2004 Concrete injection }

@misc{BS EN 1504-8:2004 Quality control and evaluation of conformity }

@misc{BS EN 1504-9:2008 Principles }

@misc{BS EN 1504-10:2003 Site application of products and systems and quality control of the works }

@misc{Insulating Concrete Formwork Association - UK }

@misc{RenewableUK - UK Wind Speed Database }