

The following selections are compiled into a course reader that accompanies the course text: King, R., Brunelleschi's Dome (Penguin Paperbacks, 2000). In addition, we will explore various articles in the libraries and on the web.

**1. Author: Gordon, J. E.**

Title: Structures or Why Things Don't Fall Down

Publisher: Da Capo Press, 2<sup>nd</sup> edition, 2003

ISBN 0-306-81283-5

Pages	Synopsis
36-37	Loading and deflection
46-59	Stress and strain
171-197	Chapter 9 <i>Walls, arches and dams</i> – including <i>Plates 1 – 8</i> found immediately after p. 192
210-244	Chapter 11 <i>The advantage of being a beam</i>

**2. Author: Salvadori, M.**

Title: Why Buildings Stand Up: the strength of architecture

Publisher: W.W. Norton and Company, paperback edition 2002

ISBN 0-393-30676-3

Pages	Synopsis
225-242	From Chapter 13: <i>Domes</i>

**3. Author: Gille, B.**

Title: Engineers of the Renaissance

Publisher: MIT Press 1966

ISBN 0-262-07022-7

Pages	Synopsis
15-34	Chapter I: <i>The Weight of Tradition</i>
79-100	Chapter 4: <i>The First Italian Generation</i>
101-120	Chapter 5: <i>Francesco di Giorgio Martini</i>
121-141	Chapter 5 (sic): <i>An Engineer's Career</i>
143-170	Chapter 7: <i>Leonardo da Vinci – Technician</i>

**4. Author: Prager, Frank D. and Scaglia G.**

Title: Brunelleschi: Studies of his Technology and Inventions

Publisher: MIT Press 1970

ISBN 0-262-16031-5

Pages	Synopsis
26-27	From Chapter 2: <i>Brunelleschi's Masonry Work</i>
34-38	From Chapter 2: <i>Brunelleschi's Masonry Work</i>
65-83	Chapter 4: <i>Drawings of Brunelleschian Machines</i>
85-109	Chapter 5: <i>History of Brunelleschi's Machines</i>
111-123	Chapter 6: <i>Brunelleschi as Patentee and Contractor</i>