

Contents

Preface	v
Part A: Background and Approaches	
Introduction	3
Literature Review	6
1 General works	6
1.1 Roman housing studies	6
1.2 Roman architecture handbooks	6
1.3 Raw material studies	7
1.4 Archaeological reports	8
1.5 Symbolic and artistic studies	8
2 Specific works	9
2.1 Thresholds and Doors	9
2.2 Windows and light	10
Methodology	12
1 Approaching sources on doors and windows	12
1.1 Data mining: the written sources	12
1.2 Other sources: visual and archaeological	15
2 The doors and windows dataset: data building and data mining	15
2.1 Case study selection	15
2.2 The case study survey and the housing unit identification	16
2.3 Limitation and bias of the sample collected	17
2.4 The Doors and Windows Database (DaWD): a way of integrating data	18
2.5 Summarising statistics and hypothesis-testing	21
2.6 3D reconstructions	22
Part B: Sources	
Literary and Epigraphic Sources	27
1 Doors	27
1.1 Analysis of general terminology: <i>foris</i> , <i>ianua</i> , <i>ostium</i> , <i>fauces</i> and <i>porta</i>	27
1.2 Door specific terminology analysis: <i>limen</i> and <i>valvae</i>	29
1.3 Biforis and quadriforis	30
1.4 Material	30
1.5 Size and structure	31
1.6 Detailed features	32
2 Windows	32
2.1 Terminological analysis	33
2.2 Size and structure	34
2.3 Detailed features	34
3 Words for elements of doors and windows	35
3.1 Structural portions	35
3.2 Locking systems: bolts, bars, keys, grills	35
3.3 Closing systems: 'glass' windows and drapes	36
3.4 Other keywords	37
4 Doors and windows in Roman law	38
Visual Sources	40
1 Doors	40
1.1 General appearance	40
1.2 Detailed features	42

2 Windows.....	45
2.1 General appearance.....	45
2.2 Detailed features.....	46
Archaeological Material	50
1 Lintels and doorjambs	50
2 Door-leaves.....	50
3 Shutters.....	53
4 Curtains.....	53
5 Glazed doors and windows	54
5.1 Windowed porticos and French doors	54
5.2 Glazed windows	55
6 Other translucent media windows	59
7 Grills.....	60
8 Locking systems: bars, deadbolt, locks, and keys	63
9 Hinges.....	64

Part C: Data Mining

Patterns in Doors and Windows	67
1 General patterns of doorways and windows.....	67
1.1 Proportions of openings	67
1.2 Openings across time	69
1.3 Opening across space	71
1.4 Openings facing outward vs openings facing inward.....	74
1.5 Openings and room typologies	77
1.6 Room sizes and the proportion and sizes of the openings	81
1.7 House type and proportions and sizes of openings	82
2 Doors and Doorways	84
2.1 Proportions and measures of doorways.....	84
2.2. Doorway shapes	86
2.3 Typology of door-leaves	90
2.4 Direction of opening	92
3 Windows	93
3.1 Sizes and proportions of the windows	93
3.2 Window typologies and areas of the house.....	94
3.3 Window shapes	97
3.4 Location of windows	99
3.5 Closing a window: traces of blocking/screening features	100
3.6 Windows between flats: 'looking' into your neighbour's house	101
4 Thresholds and Sills	101
4.1 Material	101
4.2 Doorstops	104
4.3 Hinge traces.....	107
4.4 Mortises for the jamb/frame allocation	110
4.5 Bolting and locking system.....	111
Openings, Views, and Natural Light in the Roman House.....	114
1 Different types of barriers and partitions	115
1.1 Grills.....	115
1.2 Glazed windows	116
1.3 Curtains	117
1.4 Doors.....	119
2 Different types of rooms.....	122
2.1 Private rooms: the (lack of) light in <i>cubicula</i>	123
2.2 Controlling and orienting the light in reception rooms	124
2.3 In need of light: service rooms (stairways and <i>latrinae</i>).....	127
2.4 Sources of natural light inside the house	127

3 Different types of houses	128
3.1 A lavish late antique domus : the Domus della Fortuna Annonaria	128
3.2 A second-century AD innovative design: The Case a Giardino	129
3.3 Living in the dark: the Caseggiato del Pozzo.....	130
Final Considerations	132
Bibliography	136
Appendix 1. DAWD - The Doors and Windows Database.	151
1 Vicenza.....	151
1.1. Domus del Criptoportico	151
2 Verona	151
2.1 Domus dell' Istituto di Fotografia	151
2.2 Domus dell'Istituto delle Figlie di Gesu'	152
2.3 Domus di Piazza Nogara	153
3 Brescia.....	155
3.1 Domus di Dióniso	155
3.2 Domus delle Fontane.....	157
3.3 Domus di Santa Giulia B.....	160
3.4 Domus di Santa Giulia C1.....	162
3.5 Domus di Santa Giulia C.....	163
4 Rimini	163
4.1 Casa del Chirurgo.....	164
5 Rome.....	165
5.1 Casa Bellezza	165
5.2 Case del Celio.....	167
5.3 Domus dell'Istituto I.N.P.S.....	169
5.4 Domus di San Clemente	170
5.5 Insula di San Paolo alla Regola	170
5.6 Insula dell'Ara Coeli	171
6 Ostia	175
6.1 Caseggiato del Pozzo	176
6.2 Caseggiato V, II, 10.....	176
6.3 Caseggiato V, II, 11	177
6.4 Domus della Fortuna Annonaria	177
6.5 Domus del Pozzo	178
6.6 Caseggiato del Sole	179
6.7 Caseggiato di Diana	181
6.8 Domus di Giove e Ganimede.....	185
6.9 Casa del Bacco Fanciullo	186
6.10 Casa dei Dipinti	187
6.11 Caupona del Pavone	187
6.12 Domus dell'Aquila.....	190
6.13 Domus di Amore e Psiche	191
6.14 Domus del Ninfeo	191
6.15 Caseggiato delle Trifore	191
6.16 Case a Giardino.....	192
7. Herculaneum.....	197
7.1 Casa dell'Erma in Bronzo.....	198
7.2 Casa della Partizione Ligneia	198
7.3 Casa dello Scheletro	199
7.4 Casa dell'Atrio a Mosaico.....	199
7.5 Casa dei Cervi	200
7.6 Casa del Mobilio Carbonizzato.....	201
7.7 Casa del Bel Cortile.....	202
7.8 Casa del Colonnato Tuscanico	202

8 Aeclanum.....	202
8.1 House 1.....	203
8.2 House of the Baths	203
9 Glossary.....	205
Appendix 2. Renders	206
Appendix 3. Written Sources	258