

Section 36 Building articulation

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Cross-references to Digital Supplement in red
Cross-references to Printed Synthesis in brown

Introduction

As an adjunct to the spatial analysis of individual buildings which focuses on the geometry used by the mason to design and lay out his buildings, a further analysis uses the frame and inside space of structures to determine how these spaces were articulated, illustrated in [36.01–36.08]. All the illustrations are drawn to the same scale for comparison. A summary by Structure is provided as [36.09].

Some are extremely simple, single-cell units such as Structures 1, 3, 4, 5, 39, 45, 46, 62, 68B, 87, 102, 109, and 107.

Others utilise two equal-sized squares, such as Structures 9, 47, 60, 71, 75, and 108.

A variation on this is two rectangles of equal size; S48.

Internal spaces become more complex with the use of multiple squares such as utilised by Structures 11, 21, 28, 31, 54, 64.

Multiple rectangles are used by Structures 24, 25, 38, 55, 57, 62, 65, 66, 96.

Some use squares for part of the space and rectangles for the remainder, such as Structures 7, 10, 18, 36, 40, 43, 59, 68A, 86.

More sophisticated patterns are observed in Structures 10, 13, 23, 35, 41A and 63.

Circular and oval shapes such as S51 were quartered, divided into two horizontally, S88, and divided into near-equal compartments, S8; S23 had a circular component inserted at the east end.

Structure 19 was based on three equal squares and the eastern external corridor extended northwards. The corridor between the north and south squares was the same width.

S	Squares	Rectangles	Oval Circle	Comments
1	1			
2		1		
3		1		
4		1		
5		1		
6		2		Equal size
7	8	2		4 rows of 2 + 1 row of 2
8			6	Modified squares
9	2			Equal size
11	8			Equal size
13	13			1 internal, 2 external squares; 5 rows of 2
14		10		3 sizes, 5 rows of 2
16	1	2		Equal size rectangles
17		6		4 + 2, ratio 2:1
18	12	4		1 row of 4 + 3 rows of 4
20		2		Ratio 3:1
21	24			Equal size; 6 rows of 4
23	3	5	1	3 rows of 2 + 2 in annexe
27	2	2		In pairs
28	9	0		3 rows of 3
29		3		Equal size
35	3	11		Sub-divided bays
37	14	2		7 rows of 2 + 1 row of 2
38		16		Equal size, 8 rows of 2
40	10	6		8 rows of 2
41B		3		Equal size
43	12	2		NW room expanded by 2
45	1			
46	1			
47	2			Equal size
48		2		Equal size
51			4	Equal size, quartered
52		2		Equal size
57		10		5 rows of 2
58		10		
59	1	1		
60	2			Equal size
62	1			
69		2		Ratio 2:3
71	2			Equal size
73		2		Equal size
74		2		Equal size
75	2			Equal size
80		2		Equal size
81	2	2		Diagonally placed shapes
86	12	6		4 rows of 3 + 2 rows of 3
87	1			
88			2	Modified rectangles
96		14		Equal size; 7 rows of 2
102	1			
103		2		Equal size
107	1			
108	2			Equal size
109	1			

36.09 Analysis of articulation of structures