

Foreword 7

1 Introduction 11

2 Qualitative Traits 17

- 2.1 Visual Principles 18
- 2.2 Gestalt Laws and Urban Design 22
- 2.3 Another Approach to Qualitative Traits 26
- 2.4 Proportions 28
- 2.5 Proportions in Urban Design 29

3 General Organizing Principles 33

- 3.1 The Nongeometric Principle 33
- 3.2 The Geometric Principle 44

4 The Relationship of the Parts to the Whole 57

- 4.1 Additive Approach 57
- 4.2 Divisional Approach 62
- 4.3 Superimposition 66
- 4.4 Urban Design as a Single Entity (Grand Form) 70

5 "Grid" Design Principle 77

- The Regular Grid 77
- The Irregular Grid 77
- The Tilted Grid 77
- The Deformed Grid 77
- The Transformed Grid 77
- The Superimposed Grid 77

6 Urban Building Blocks 95

- 6.1 Classification of Urban Building Blocks 95
- 6.2 Standard Building Blocks 97

7 The Layout of Development Sites, Building Lots, and Urban Building Blocks 141

- 7.1 Principles for Combining Development Sites into Larger Urban Districts and Building Lots into Development Sites 141
- 7.2 Organizing Principles for Urban Building Blocks on the Building Lot 166

8	Road Systems	177
8.1	Complete Road Networks	177
8.2	Incomplete Road Networks	179
8.3	Combinations	179

9	Urban Space	189
9.1	Squares	189
9.2	Street Spaces	207
9.3	Green and Open Spaces	219

10	Representation in Urban Design	243
10.1	Plans and Drawings – Legal and Informal Plans	243
10.2	Plan Types, Drawings, and Models in Urban Design	245

11	Parametric Design	311
	Oliver Fritz: Possible Applications in Urban Design	

12	Examples of Best Practice	317
12.1	Markus Neppl: Development of the Master Plan for HafenCity in Hamburg	319
12.2	Rolo Fütterer: From Steelworks to City, Belval/Esch-sur-Alzette	327
12.3	Leonhard Schenk: Citizens Build a City: The Südstadt District in Tübingen	333

Appendix	
Bibliography	343
Project List	347
Authors	355