

Venice, Italy. (Photograph courtesy of Rita Crane Photography.)

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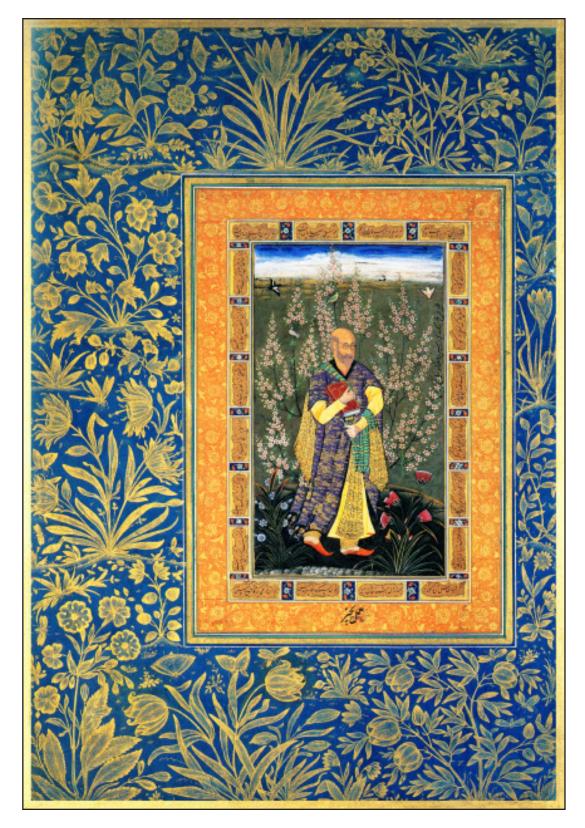
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### Muraqqa'



MURAQQA' Returning to the City, digital collage by Dhiru A. Thadani, 2009

The Persian word *muraqqa'* translates as "patched," as in a collection of recycled fabric that was sown together to make a cloak, worn by a Sufi sage to signify poverty. The word came to be applied to an "album" produced to record the life of Mogul emperors. These royal albums were in fact a patchwork of paper construction, which included paintings, calligraphy, pieces of script, and nonfigural decoration.

Most of the ideas within the book have been spawned by empirical observation, lectures I have attended, and conversations I have had over the past thirty-five years. I have and continue to imbue myself in matters concerning cities, urban form, and historical precedents.

The sketchbooks I customarily carried have served as a journal, and have been a guide and reference for what is contained in the following pages. Experiences and observations usually led to taking notes and recording images though sketches, which on reflection spawned ideas, which in turn produced diagrams and drawings.

The reader should consider this publication a muraqqa', as it is an appropriate term for this patchwork collection of words and terms that document my love affair with urbanism.

#### ACKNOWLEDGMENTS

My education has been greatly enhanced by circumstance and fate—being at the right place at the right time. Meetings with John Hejduk (1973), Charles Gwathmey (1975), Ed Bacon (1976), Tom Schumacher (1978), Andrés Duany (1981), and Léon Krier (1989) were important milestones in my education. Many others generously and patiently took the time to educate me and help me gain focus in my thoughts on architecture and urbanism, and for that I am eternally grateful.

The list of people to thank is endless; however, without the encouragement, editing skills, critiques, and hours of help from Peter Hetzel, my professional practice and teaching partner from 1980 to 2001, this book would not have been realized.

I am indebted to my wife, Terry Schum, a planner by profession, who has always made it possible for me to immerse myself in my work and who would chide me, on occasion, to balance practicality with idealism.

I am thankful to Léon Krier, who has been an inspiration, mentor, friend, and traveling companion on sojourns to places all over the world. He has been responsible for shaping my understanding of urbanism and has introduced me to many of the ideas and concepts that are embedded in this publication.

This project would never have gotten off the ground if it were not for Andrés Duany, who single-handedly has contributed the most to the discourse on how towns and cities can and should be built. His generosity in sharing ideas and encouraging others to research and analyze the built environment is unparalleled. He and his partner Elizabeth Plater-Zyberk have been an inspiration to me and many others, and I am thankful for their friendship.

I am appreciative of my fellow Congress for the New Urbanism (CNU) board member, Stephanie Bothwell, who has been a supportive friend.

I am grateful for my friendship with Jay Kabriel who was the first person I met when I was a student at Catholic University in 1972. He has been my teacher, colleague, and collaborator on numerous drawings that are included in this volume.

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Steven Hurtt has been a pillar of support, providing constructive critiques and gently pushing me to review alternatives, produce drawings, and publish.

Thanks to all the photographers who generously responded and donated their work to this publication, including the brilliant aerial photographer Alex MacLean and architectural photographer Max Mackenzie. (A more complete list appears at the end of this book.)

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I have benefited greatly and learned much from my relationship with the founders, board, staff, and members of the CNU; the members of the International Society of City and Regional Planners (ISOCARP); the partners, associates, and employees at Duany Plater-Zyberk & Company (DPZ); the Knight Fellows in Community Building; and the University of Miami faculty and students.

I have had the pleasure and good fortune to have extremely enthusiastic, hard-working, and talented employees participate in my design studios. They have both knowingly and unknowingly contributed to the content of this publication. I am grateful to all of these individuals who worked long hours, prepared alternatives, made necessary changes, listened, debated, and indulged my obsession to make beautiful and memorable places.

Ritu Advani Maria Grijalva Sharmistha Mukeriee-Michael Aziz Timo Hoefs Shinde Bhakti Bania Leah Hollstein Smriti Navak Rodrigo Bensadon Jay Kabriel Kevin Petersen Walter Kawa Aparna G. Phalake Lisa Berglund Sambprasad R. Pinge Laura Borden Luke Kessler Sahnur Bostan Michael Lawrence Angelo Pirali Catherine Isabel Prince Sarah Lewis Veronique Breton Angel Rama Sherry Bruneau Ashley Livington Eileen Burke Dany Loekman Mike Reina Maria Casarella Ann Maki David Roach Milind Chaudhari Hugo Veliz Maldonado Santosh B. Shinde Dana Coelho Allan Marko Sukumar Srinivasan Alick Dearie Peter Menon Rohan Shivkumar David Delcher Margarita Meoz Virginia Stanard Prabodh Desai Katie (Poindexter) Mesia Allison Sumner Olivier Vallerand Sean Dougerty Sanjay J. Mhatre Susie Molina Kristine Wade Kimberly Dowdell Glenn Wallace Tim Dowdy Ana (Lee) Montilla Clemence Montagne Gretchen Weidner Morgan Ennis William I. Fernandes Chad Morig **Bob Whitesell** Iuliana Gamble Marion Muhammad Eric Zaddock

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The Richard H. Driehaus Charitable Lead Trust
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#### LIST OF ENTRIES

Contributed by James Howard Kunstler

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A	Awning	
A and B Streets	Axial	
Accessibility		
Measuring Transportation Accessibility	В	
Contributed by Norman Garrick	B Streets	
Accessible Route	Balcony	
Activity: Outdoors	Banneker, Benjamin	
Adaptive Reuse	Beauty	
Affordable Dwelling Units	Contributed by Daniel K. Slone	
Affordable Housing	Beauty and Distance	
Contributed by Emily Talen	Contributed by Léon Krier	
Agricultural Urbanism	Bed and Breakfast	
In collaboration with Duany Plater-	Contributed by Joyce Marin	
Zyberk & Company (DPZ)	BedZED, United Kingdom	
Allée	Bicycle	
Alley	Bicycle Lanes and Trails	
Alys Beach, Florida	Bicycle Rental Programs	
American Dream	Big Box	
Amphitheater	Contributed by Daniel K. Slone	
Ancillary/Accessory Unit	Bilbao Effect	
Anticipation	In collaboration with Peter Hetzel	
Apartment	Block (Insulae)	
Apartment Circulation Cores	Block Comparison	
Apartment Building Typology	Block Design: Individual Block	
Aqua, Florida	Block Design: Neighborhood Plan	
In collaboration with DPZ	Block: Efficiency and Intersection Der	
Arbor/Pergola	Block Flexibility and Density	
Arcade	Block Typology	
Arcadia	Bollard	
Archetype	Bo01, Sweden	
Archipelago	Bogotá, Colombia	
Architect	Bombay (Mumbai), India	
Architecture	In collaboration with Adrienne Tha	
Architecture: Venustas, Firmitas, Utilitas	Bologna, Italy	
Contributed by Léon Krier	Boulevard	
Arcosanti, Arizona	Bracket	
Arnhem City Center (Musiskwartier),	Bandevoort Veste, Netherlands	
Netherlands	Bridges	
Arterial	Brise-Soleil	
Attic	Brownfield	
Auroville, India	Building Height	
Avant-Garde	Building Sections	
Avenue	Relationship to Public Realm	
Avenue Des Champs-Élysées, Paris	Burnham, Daniel	
Managely and the Avenue Mankington D.C.	Contributed by James Harrand V.	

Massachusetts Avenue, Washington, D.C.

Bus Bus Stop Café Campus Centers & Edges In collaboration with Steven Hurtt Campus: Development Typologies Campus, Town, and Suburb Compared Campus Elements for Creating a Successful Academic Environment Canal Canopy Carbon Credits Contributed by Daniel K. Slone Car Sharing C.A.V.E. Celebration, Florida Cemetery Central Business District (CBD) Chhajja Charleston House Type Chandigarh, India In collaboration with Peter J. Hetzel Charrette In collaboration with Peter I. Hetzel n Density Charter of the New Urbanism CIAM In collaboration with Andrés Duany Cité Judiciaire, Luxembourg City In collaboration with Laurence Aurbach e Thadani City Beautiful Contributed by Thomas S. Hines City Council & City Manager Contributed by Terry Schum City Comparative Plans Ancient North America Europe CityPlace, Florida City-State Civic Civitas

Climate Change

Close Contributed by DPZ Closure Clubhouse Cluster Co-Housing In collaboration with Laurence Aurbach Code Contributed by Daniel K. Slone Collector Street College Town Success College Town: Key Strategies for Success Color Commercial Common Destination Common Yard Commuting Commuting Alternatives Community Comprehensive Plan Comprehensive Plan: Authority Cone of Vision Contributed by J. L. Sibley Jennings, Jr. Configuration Contributed by DPZ Convenience Store Contextualism In collaboration with Steven Hurtt Corner Store Cornice Corridor Cosmopolitan Contributed by Robert A.M. Stern Cotton District, Mississippi Cottage Countryside Court Courtyard Courtyard Housing Contributed by Stefanos Polyzoides Courtyard Housing, Hybrid Contributed by Stefanos Polyzoides Crime Contributed by Ken Stapleton Cul-de-Sac

Culture Curb & Curb Cut Curb Radii D Dendritic In collaboration with Laurence Aurbach Defensible Space Density Density: Gross, Net, Average, Blended Contributed by Stefanos Polyzoides Density: 100-Acre Site Study Density: 25 Urban Centers Density: Retrofit Suburban Homes Deflected Vista Design Development Pattern Contributed by Scott Polikov Dharavi, India Disposition District Dogs Downtown Driveways **Dwelling Unit** Easement East Beach, Virginia Eave Line **Environmental Responsibility** Edge City Electric Car **Embankment** Emissions CO2 **Empirical Emulation** Enclave/Exclave Enclosure Encroachment Energy Consumed in the USA **Enfront** 

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Enigma

Estate

Entry

**Euclidean Zoning** Exclusivity Exedra Expandable House F Facade Facilitator In collaboration with Jennifer Hurley Farmland **Fatalities** Fence: Rural to Urban Fenestration Fibonacci Sequence Figure Ground In collaboration with Steve Hurtt Finance Flex Space Floodplain Floor-Area Ratio Flowers and Flower Stalls **Focus Point Footprint** Forecourt Form-Based Codes Contributed by Dan and Karen Parolek Form-Based Codes: Creating Contributed by Dan and Karen Parolek Form-Based Codes: Seaside, Florida Fountain Fountainhead In collaboration with Laurence Aurbach Fresco

Garage: Residential Gardens

G

Gable

Frontage

In collaboration with Stephanie Bothwell

Garden Elements

Frontage Encroachment

Frontage Types

*In collaboration with Stephanie Bothwell*Gas Station

#### LIST OF ENTRIES

Gas Station Retrofit	HOPE VI	Lane
Gateway	Contributed by Elinor Bacon and	Lawn
Gazebo	Cheryl O'Neil	LEED and LEED AP
Geddes, Patrick	Hot Spot	Contributed by Daniel K. Slone
Contributed by Caroll William Westfall	Hotel	LEED for Neighborhood Developmen
Geometry	House	Contributed by Douglas Farr
GIS	Household Expense	Legible
Golf	Howard, Ebenezer	Contributed by John Massengale
Gradation	Contributed by Caroll William Westfall	L'Enfant, Pierre
Contributed by DPZ	contributed by caron rimani rrestan	Contributed by Scott Berg
Grade Crossing	I	Level of Service
Grade Separation	lcon	Levitt, William
Graffiti	Iconic Structures	Lighting: Artificial Lighting of
In collaboration with Dylan Thadani	Incremental	Public Spaces
Green Bling	Infill	Contributed by Léon Krier
Green Building	Infrastructure	Liner Building
Green Roof	In-Line Retail	L'Intemporelle, France
Green Streets	Inn	Livable
Greenbelt	Inner City	Livable Communities
Contributed by Laurence Aurbach	Intermodal	Liveability
Greenfield	Internodal Intersection: Typology	Live-Work
Greyfields	Intersection: Typology  Intersection: Density	Lobby
In collaboration with Lee Sobel	In collaboration with Rick Hall and	Local Street
Greyfields: Mall Retrofit	Laurence Aurbach	Location
Grids and Gridiron	Intersection: Ground Plane	Location Efficiency
Contributed by Laurence Aurbach	intersection. Ground Hane	Loft
Grid City Plans	1	Loggia
Grid City Flairs	Jacobs, Jane	Lost
н	Contributed by Timothy Mennel	Lot
Hamlet	Jefferson, Thomas	Lynch, Kevin
Harmony	Contributed by Carroll William Westfall	Lynch, Nevin
Haussmann, Baron	,	M
In collaboration with Laurence Aurbach	Jitney Junction	Maintenance
Health	Junction	Mall
	K	
Hedgehog	K Kiosk	Maps Market Trends
Height-to-Width		Contributed Laurie Volk and
Highway Toardowns	Katrina Cottage Kentlands, Maryland	Todd Zimmerman
Highway Teardowns  Contributed by John O. Norquist	,	Markets
Contributed by John O. Norquist	In collaboration with Diane Dorney	
High Occupancy	1	Mashpee Commons, Massachusetts
Hippodamus	L	Master Developer
Home	Lake	Contributed by Doug Firstenberg
Homeowners' Association	Land	Master Plan
Contributed by Daniel K. Slone	Landscape	Contributed by Stefanos Polyzoide.

Land Use

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Hong Kong, China

and Terry Schum

Mural Musicians: Street Ν Natural Contributed by DPZ **Native Species** Neighborhood Contributed by DPZ Neighborhood Resident Association Contributed by Daniel K. Slone Neotraditional Network In collaboration with Rick Hall New Delhi, India Contributed by Javier Cenicacelaya New Town St. Charles, Missouri NGO Noise Nostalgia Nolen, John

Mews

Mode

McHarg, lan Nolli, Giovanni Battista In collaboration with Thomas Comitta O Meadow Contributed by Stephanie Bothwell Occupied Office Meeting Hall Olmsted, Fredrick Law Megaregion Metropolis In collaboration with J. L. Sibley Metropolitan Planning Organization Jennings, Jr. and Laurence Aurbach Contributed by Scott Polikov Olmsted, Fredrick Law Jr. In collaboration with J. L. Sibley Jennings, Jr. and Laurence Aurbach Mimesis Mixed Use One Planet Mixed-Income Housing Contributed by Daniel K. Slone Mobility Open Space: America Modal Split Open Space: Europe Moderate Income Open Space: Urban Options Open Space: Urban Transformations Orchard Moses, Robert Contributed by James Howard Kunstler Order Mullion Ordinance Multifamily Housing Organic Mumford, Lewis Contributed by Laurence Aurbach Contributed by Carroll William Westfall Orthogonal Municipality Outbuilding Overlay Zone (District) Ozone

Contributed by Daniel K. Slone Paris, France Contributed by Ray Gindroz Park Park Once Park System Park System: Washington, D.C. In collaboration with Steven Hurtt Parking Garage Parking Meter In collaboration with Laurence Aurbach Parking: Off-Street Automated System Parking: Off-Street Location Parking: Off-Street Urban Options Parking: On-Street Options Parking: Shared Parking: Teaser

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Parking Lot: Building-Side Passage Pasture Path Patient Equity Contributed by Christopher B. Leinberger Patio Pattern Pattern Book: Sample Pages Contributed by the Prince's Foundation for the Built Environment Pattern Book: Development Kit of Parts Contributed by Urban Design Associates Pattern Language Contributed by Michael Mehaffy Pavilion Paving: Lisbon, Portugal Peak Oil Pedestrian In collaboration with Doug Kelbaugh Perimeter Permit Contributed by Daniel K. Slone Perry, Clarence Contributed by Jason Brody Pied-à-Terre Pioneers Contributed by Daniel K. Slone Pienza, Italy Contributed by David Mayernick Place de Toscane, France Plan Planter Plat Playground Plaza Polycentric

Contributed by Laurence Aurbach

Contributed by David R. Godschalk

In collaboration with Laurence Aurbach

**Population** 

Principles

Positive Development

Poundbury, United Kingdom

Porch

## LIST OF ENTRIES

Public Art Public Housing Public Process PUD Contributed by Daniel K. Slone Quadrangle Quality of Life Quarter Rail Rail, High-Speed Recycling Region In collaboration with Sandy Sorlien Regulating Plan Regulations Contributed by Daniel K. Slone Required Contributed by Daniel K. Slone Reserve (Rural) Residential In collaboration with Sandy Sorlien Restaurant In collaboration with Daniel Braun Restoration Restoring Urban Fabric Revitalization Right-of-Way Rome, Italy Contributed by David Mayernik Roundabout Roof Roof Typologies Rowhouse In collaboration with Sandy Sorlien

Contributed by Daniel K. Slone

Scale

Proffer

Prospect, Colorado

Scenario Planning School Screen Seaside, Florida Contributed by Robert Davis Seaside Studio Contributed by Peter Hetzel Sector Segway Sequence Contributed by Jay Kabriel Serendipity Setback Shopping Center Typology Contributed by Robert J. Gibbs Sidewalk Signage Signage, Specialized Single-Room Occupancy Sitte, Camillio In collaboration with Léon Krier Skateboarding S.L.O.A.P. Small Contributed by Daniel K. Slone SmartCode Contributed by Jennifer Hurley Spatial Organization Sprawl Square Magic Stein, Clarence In collaboration with Laurence Aurbach Stormwater Contributed by Laurence Aurbach Streets & Squares Morphology Street Network Streetscape Suburban In collaboration with Stefanos Polyzoides Suburban Myths Suburban Retrofit

Sustainable Urbanism

Developing a Plan

In collaboration with Douglas Farr Sustainable Development: A Checklist for

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Teacher Tenant Terminated Vista Contributed by Léon Krier Terrace **Territoriality** Texture Third Place Thoroughfare: Conventional Suburban Hierarchy Thoroughfare: Lake Shore Drive In collaboration with John O. Norquist Thoroughfare Diet Thoroughfare: Multilane Thoroughfare: Traditional Types Thoroughfare: Alternative to Widening Thoroughfare: Modifying the Intersection Contributed by Léon Krier Time Spent in an Automobile TND Contributed by DPZ TOD and DOT Contributed by Stephanos Polyzoides Topiary Topography and Planning Tower Town Town Founder Contributed by Robert Davis Town House Town Planning Townscape Town: Strategies for Building a Town Traffic Calming: 16 Strategies Transect Contributed by DPZ Transect: Washington, D.C. Transect: Renewable Energy Transect: Cultural Examples Transect: Graph Transit

Trellis

Type and Typology

Contributed by Léon Krier

Typology: Architectural Contributed by Stefanos Polyzoides U Underground Urban Growth Boundary Urban Design In collaboration with Peter Hetzel Urban Design Strategies Urban Patterns and Structure Use USGBC Contributed by Daniel K. Slone Utilities Val d'Europe, France Value Value Capture

Contributed by Scott Polikov

Contributed by Daniel K. Slone

Vantage Point

Variance

Vending Vernacular Vertical Markers In collaboration with Jay Kabriel Village Vision Visitability Contributed by Daniel K. Slone Visual Comprehension W Wal-Mart Walk Walkability Walking Ward Warehouse Washington, D.C.: Historical Plans Washington, D.C.: Historical Developments

Contributed by Laurence Aurbach

Watching

Vauban, Germany

Vehicle Miles Traveled

Watershed In collaboration with Laurence Aurbach Water Usage Web Wetlands Contributed by Daniel K. Slone Whyte, William H. Contributed by Project for Public Places Wilderness Windsor, Florida Wired Workshop X Xeriscape Y

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Zeitgeist

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