

the attraction of Bigness is its potential to reconstruct the Whole, resurrect the Real, reinvent the collective, reclaim maximum possibility.

- Rem Koolhaas

SUND AY 14-TH MAY

FIRST 13-Seam, Rainbow Centre,

11 Higher to Foots, or Hentish Yown Tube,

Contact:

RECLAIM THE STREETS.

on 01/1 254-2290.

Lewis Thomas, 1973

"If you want to change the city you have to control the streets"

> This alternative and intensely politicized way of looking at cityspace, combining both macro and micro perspectives without privileging one over the other, has been much less frequently explored in the literature on cities, for too often the views from above and below have been defined as separate and competitive empirical and interpretive domains rather than interactive and complementary moments in our understanding of urbanism and its spatial specificities. - Edward Soja. Post-Metropolis. Critical Studies of Cities and Reigons, 2000

Communication
and transport infrastructures (motorways, railways,
airplanes) emerge as
the most evident
lines of the current
'urban-territorial'
system.

– Manuel Guasa

[Locked] WWL is reporting

that the Corps of Engineers

is giving up on trying to fix the 17th St Canal levee

breach. Please try to get

out of the city NOW!

5049055952

Reply | Menu

4:03a

Done



Eclogue for the Metropolis: Entrepreneurial Environments Jane Amidon

The Classical eclogue was a literary form used to magnify and translate aspects of the agrarian landscape into the upper reaches of popular culture. A revived eclogue, one for today's working ecologies, speaks of a contemporary Arcadia that is entrepreneurial—productive and seductive consumer oriented, synthetic culture of environmental systems and information technologies.

As revealed in recent conferences and competitions, a number of design practices are exploring entrepreneurial environmentalism: the reconciliation of nature and technology as an integrated application. This entrepreneurialism stems from a surfeit of data about ecological and social conditions, and a desire to engage those conditions. It imagines nature not as a passive condition but one that uses its own material performance to provoke the public's interest and advocacy. Its complement, today's environmentalism, is the latest phase of a long and complex relationship between progress and protection ism that inextricably links definitions of nature (is it a resource? A retreat? A victim? An aggressor?) to technological advancement. ogether the two offer a fresh view of the metropolitan condition: a lection of entrepreneurial environments on tiguous landscapes and architectures to scale inward, toward the (relatively) micro scale of material management, and outward to the macro scale



, where the mapping of mobility, resources and demographics reveals "the physical manifestation of information" through "a process driven by....a greater social and environmental awareness."

Evidence of this shift in design agendas has been demonstrated in the work emerging from numerous competitions in the past several years, including the the Envisioning Gateways competition for the New York/New Jersey Harbor (2007) and the Toronto Waterfront design competitions (culminating in 2006) Organized by a consortium of academic, cultural and conservambia University Graduate School of tion organizations-Architecture, Planning and Presevation, the Van Alen Institute and the National Parks Conservation Association—Gateways competition addressed a huge chunk of land, nearly \$27,000 acres, right under Manhattan's nose, as "one of the first units in the UI.S. National Park System established to sustain both natural and urban ecologies" as opposed to a primarily remediation-driven brief (vanalen.org/gateway). | ilarly, the Toronto Waterfront competition, at approximately 2,000 acres divided into four separate contests (and awarded to four different design firms; West 8, MVVA, Field Operations and Claude Cormier Architects d for "a Toronto-specific concept....a model of how economic development, environmental protection, and cultural and recreational growth can complement each other" as opposed to programmatic singularity | hto.ca/waterfront). Like earlier large park competitions such as Fresh Kills (teletaten Island landfill to landscape park, 2001) and Parc Downsview (Toronto, revitalization of an abandoned airfield, 2000), core of the winning proposals for Gateways and Toronto Waterfront is a re-engagement with nature not as a scenographic backdrop but as a metropolitan protagonist. But while the earlier generation envisioned technology as a vintage maintenance tool for a powerful ecological remediation of urbanism (OMA's "Tree City" recipe for Downsview called for bulldozers; seeders and irrigation circles; Field Operations' "nature sprawl" for Fresh Kills outlined relatively conventional management protocols for ecosystem succession), more recent competitions invent a high-tech nature is less about regenerating urban conditions and more about introducing aberrations = t is, highly productive "land machines" [figures 1 and a | Ilving architectures that fuse social and ecological production. Two submittals to the Gateways competition, BioMass Transit and H2Grow [figures 3 and 4] rework existing, degraded estuary lands at the metropolitan periphery with a pro-active rather than reactive stance: site, city and architectures are seen as continuous states, endemic but technologically enhanced living systems linked into supply and demand networks. This is a materially factual, hybrid condition, a projective design discourse linked with the populism and pragmatism of the green movement.

Looking forward, the intersection of information and building technologies burgeoning GIS/GPS applications to BIM offer a new notion of "live content" that is redefining social space to include rather than protect against (exclude) ecological matters. To the YouTube generation, accustomed to viral information habitats and unbridled individuation, the responsiveness of entrepreneurial environments offen fluid modes of participation as a means to sync ambitious social and environmental identities. To some degrea it is a reaction to today's technologi-

cal advancement, a cultural urge to create a more resilient metropolis that informs, transforms and seduces. A recent example is the proposal from the 6000 Miles Exhibition in Glasgow by the Scottish landscape firm GROSS MAX for a nuclear-powered iceberg set in the town square —"to combat global warning, local freezing<u>" (figure f</u>e ice-berg exemplifies the engagement of living systems (the new local) while apprehending —and participating in — the vast (which is described by Paul Shepheard as "the terror of the new sublime"). project suggests the exaggeration and displacement of nature's innate characteristics to gain public advocacy for the relatively abstract concept of climate change. Heightened material states (ice, steam, melting, freezing) enable productivity (transformation) and seduction (participation) by being demonstrative but not deterministic. This in turn engenders an assimilative confrontation between subject(s) and content(s).

Urbanism and open-endedness

This contrasts sharply with the preceding generation of systems-based urbanism, which championed the segregation of technology and nature to some degree—prmer as a basis for figuration and latter as feral infill at the territorial scale. The work emerging from the discourse of infrastructural-/mat/-landscape urbanism from the mid 1990s onward imagined the translation of systems logic to complexly adaptive scenarios for abandoned air fields, obsolete landfills, contaminated waterfronts and entire new cities. But many of the projects it inspired turned out to be something quite different: a metabolization of globalizing culture into design strategies that are monolithig and invasive. Its schemes for instrumentalization and emergence, Deleuzian paradigms such as bodies-without-organs (botential collections "permeated by unformed, unstable matters, by flows in all directite rhizomal networks and planes of immanence ironically echo the failures of modernism's master plan with a low aptitude to accommodate anomalous (as opposed to unanimous), bottom-up pragmatism. What does it mean, really, to coolly "differentiate unassigned flows," to effectively "inhabit aggregate taxonomies," or succeed by "mapping performative regimes?"

The dialog which coalesced around infrastructure/mat/land scape as armature was fed initially by the work of various poststructuralist European and American urbanists and later by explorations in non-linear systems. Proto-translators of Landscape Ecology theory into urbanism received the discipline's clear message that patterns and processes—
infrastructures and material flux—{ ___o-dependent while operating at arying spatial and temporal scales; and further, that the focus had shifted from delimited sites or buildings to the dynamics of complex networks. For example, James Corner's essay "Ecology and Design as Agents of Creativity" (2002) called for open-endedness, ambiguity and multivalency in place of dualities and conetism. Around the same time, in writing about infrastructural urbanism, Stan Allen made direct reference to Landscape Ecologist Richard Forman's field research as a possible model for emergent surface conditions and adaptive urban systems [figures 6 and 7 sion of these interests (and design practices, as Allen and Corner formed Field Operations) into a widespread embrace of landscape as "the lens through which the contemporary city is represented and the material from which it is con-







(





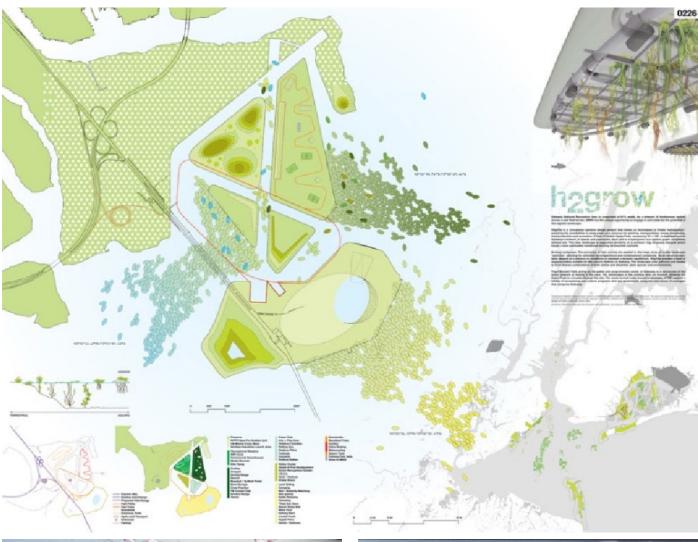
mas Struth, "Pergamon Museum I, Berlink 2011." Denying the perfection and completion of the museum's staging of the scenario, at the lower right corner of the image, the carefully reassembled antiquity gives way to a hodgepodge of unpainted surfaces, exposed wire, duct tape, rope and scaffolding.

bottom left: Thomas Struth, "Sommerstrasse Dusseldorf" (1980).

bottom middle: Thomas Struth, "Lake Street (The Loop), Chicago" (1990).

bottom right: Thomas Struth, "Shibuya Crossing Tokyo."









top: Thomas Struth, "Kunsthistorisches Museum III, Vienna" (1989). Despite its simplicity, the photograph sets into motion a series of displacements of view that navigate relations between the museum visitor, the portraits and the viewers of the photograph.

 $bottom\,left: "Eleanor\,and\,Giles\,Robertson, Edinburgh"\,({\tt 1987}).$

bottom middle: Thomas Struth, "Giles."

(

 $bottom\,right: Thomas\,Struth, \verb"Smith Family."$



structed" led <u>some to claim</u> that "a disciplinary realignment" was underway, "in which landscape [was] usurping architecture's historic role as the basic building block of city making." se ideas manifested in three formulations, all represented in the proposals of finalists in the Parc Downsview competition:

The thick (infra)structural surface res 8 and 9: Allen's field conditions diagram and OMA's Tree City logol promoted as the choreography of field operations; described by Alex Wall as the programmed urban surface with a "functioning matrix of connective tissue that organizes not only objects and spaces but also the dynamic processes and events that move through them."

The script (figures 10 and 11: cabbage morphology and FOA's Downsview topo map), parametric algorithms for non-linear, non-equilibrium material organization; modeled on the computational bio-logic of flocks, flora and phyla and described by Foreign Office Architects as (Aquote).

The smart matrix [figures 12 and 13: Downswiew ecological foot-print diagrams and Field Operations matrix] or meta-site process, where spatio-formal practice (the site plan) is replaced by a geotemporal matrix of ingredients (phasing of material states).

To some degree all three methodologies offer a model for process in which indeterminacy is the goal, but also the problem. Some critics have pointed out that vague program and ambient figuration/organization are not the same thing as indeterminacy but instead are "terminal" forces. But the process-plus-time incrementalism of these projects results in a lack of finitude that critical inquiry, public attention spangand budget cycles find difficult to sustain. At the same time, the instrumentalization of materials and systems risks designer-less design The matrix simply replaces the hegemony of the master plan. There is a risk here too of editing out the "smartness" -or resiliency -of ecological models. Matrices and scripts are capable of responsiveness based upon given coordinates, positional and temporal values, material properties, and so forth, but have little ability to mutate in unpredictable directions/dimensions. I.e., although results are not controlled, the inputs and relationships are to a significant degree. For example, in OMA's Tree City proposal, there is little opportunity for variation outside the loose but strictly linear sequence of material, figural and programmatic development (fix the soil + 1000 paths + trees). More precisely, from OMA's project description, the proposal offers an attempt p more by building less, producing density with natural permeability, property development with perennial enrichment...This will be staged as three long term phases: (1) site and soil preparation; (2) pathway construction; (3) cluster landscaping. The outcome is a matrix of circular tree clusters covering 25% of the site which is supplemented by meadows, playing fields and gardens. Tree city treats the park as if it is an adult soon capable of sustaining itself rather than a child in need of eternal care. While most infrastructures decrease in value over time, Tree City's natural network will appreciate as the park matures (www.oma.eu). There is a bit of Oedipal irony here as urbanism at the turn of the γ

millennium, so deeply rooted in the theories of cape Ecology, revealed its desire to sublimate applied ecology in order to get into bed with the post-Fordist metropolis.

That the infrastructural/mat/landscape urbanism era endorsed a leakage between techniques of representation (sampling, indexing, montage, exaggeration, animation) and modes of speculation (meta process, adaptive program, material protocols) is one of its salient attributes. These tactical aesthetics are reminiscent of super-realism, a term first used by art critic Malcolm Morley in the mid-196os. According to Tissot in Myth and Ideology in American Culture ects of super-realism include: "aggressiveness, tension; fabricated reality; representation on representation to constitute an everyday, heroic iconography." (Super-realism has also recently been aligned with the literary style practiced by writers such as Raymond Carver, Richard Yates, Richard Ford, Zadie Smith, Tobias Wolff and others. The web site artandculture.com points out that "writers of Super-Realism allow their characters' consciousnesses to enter into the game. The characters pause, reflect, wonden and even obsess. In these writers' hands, revelations emerge from daily happenings, and daily happenings become revelations — w.artandculture.

It is not a far leap to make from these tactics to imagery that reassembles a mediated but explicitly "realistic" narrative structure, one that frames its characters in everyday, transient moments. Through the lens of Photoshop, Illustrator, Rhinq and Flash, and not without parallels to reality television, the banality of trees growing, squirrels nesting and families picnicking gained programmatic status in the conveyance of design proposals from leading firms and schools. Super-realist compositional methods proffer candid-driven content and densely juxtaposed activity in place of design details, creating an expectation of similarly intensified levels of actual performance and experience, condensed into a single frame or moment-[figure 14]. This method places extraordinary demand on conventional typologies that operate within real time and real space ivic scape, the private scape, the education scape, the pleasure scape——:hallenges forth our capacity to participate in an exponentially programmed lifestyle in the exponentially-programmed city.

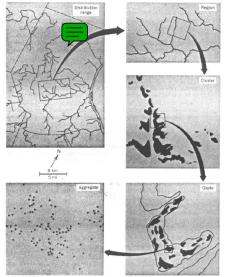
Big Nature

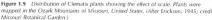
It's clear the germination of entrepreneurial environmentalism occurred in the deficiencies of infrastructural/mat/landscape urbanism, and will have the opportunity to escape its predecessor's problems by creating conditions of specificity and adjustability. Using data-driven information technologies such as GIS alongside desire-driven platforms like social networking, entrepreneurial environments are real time systems that promote ecological production and social seduction as twinned efforts. Related to but more provocative than technologies like smart skins that respond to temperature, light, wind, etc., the entrepreneurial environment creates demand for change rather than simply responding. They are social devices as much as technological constructs, much like the advent of the Toyota Prius was a mechanism to solve an environmental problem but one that stimulated a shift in consumer patterns: from the S.U.V. to the hybrid Sestyle. For the metropolis, the emergence of entrepreneurial environments signals a shift from technology as a proxy for

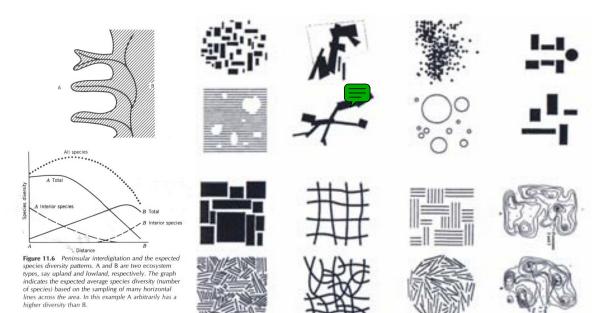












nature that shuns social status (example: HVAC or irrigation), toward an integration of information and environment as a technology/nature hybrid that seeks social activism (example: a nuclear powered ice berd).

And although critical theory has moved far beyond sustainability as a provocation, in many ways practical practice is just embarking on it. Realizing that dematerialization, decarbonization and life-cycle design are now economically feasible and culturally rewarded strategies, entrepreneurial environments recast the activities of resource capture, distribution and post-user consolidation as inter-dependent modes in which the output (waste) of one process is harnessed as the input (nutrient) for others. In this shift toward entrepreneurial environments, one aspect is clear: matter matters increasingly it will be the locus of culture, to a degree that nature is not docile and controlled, but rather governed by a potent interaction of natural and human forces. Typological silhouettes are blurring, shifting from objectified spatial terrain to subjective states substantiated by the capacity to produce localized benefits and experiential atmospheres through active management of ecological media. But as a collection of translational disciplines concerned with the health and functionality of the metropolis, do entrepreneurial environments offer sufficient vitality to overcome the deep anathema toward the tree-hugging, 1970s-style compensatory environmentalism? Until recently, design's mistrust of green activism limited the speculative utility of ecologic models to a sanitized analog for complexity and emergence In any event, recent work suggests that the debut of entrepreneurial environmentalism has several common character traits [figure 15]:

EXTROVERTED

If "the failure of earlier urban design and regionally scaled enterprises was the oversimplification, the reduction, of the phenomenological richness of physical life," preneurial environments must produce extroverted content. In the race for consumer attention, it exacerbate its identity and stake claim to user participation or lose relevancy.

CONSENSUAL

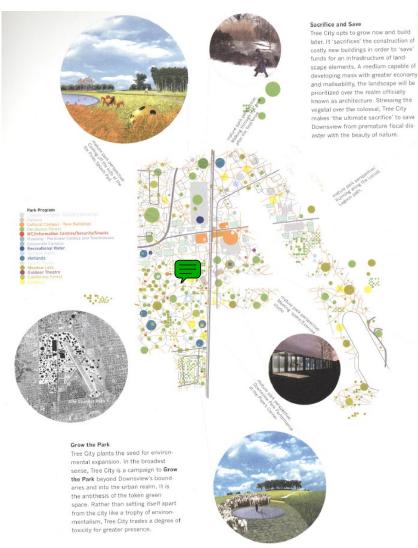
The ubiquity of connectivity plus the opportunism of eco tech and building tech results in super customizable program habitats capable of responding in real time by prioritizing information as sensation, and vice versa;

PLURAL

A-collusion of architecture, urbanism and landscape is not a postdisciplinary condition but a mix of super-disciplinary roles that cross-pollinate information and technique.

All this points toward fresh cultural terrain in which our performance we consume, how we waste ncontrovertibly connected to the state of the world. Rather than serving as a maternal membrane that insulates users from external impact, architectures and ecologies are derived from the looping of diversely productive environments. A kind of comprehensiveness results call it a Big Nature. At the core is a societal prerogative born from consumerism: like Big Pharma (read: Pfizer) embracing our collective health paranoia, like Big Tech (read: Apple) thriving on our appetite for intelligence and connectivity, Big Nature raises consumer desire by tapping into growing fears of demise at the hands of advancing climate change or cataclysmic culture clash. Each successive Katrina, tsunami, melting ice cap and drought binds the social aspirations of first, second and third world economies into a common predicament of limited resources. Taken at face value, entrepreneurial environments are about the collective gain of planetary health. In reality though, it popularity is driven by mass protectionism = dividuals concerned about the preservation of their lifestyles. Consequently, today there is a formative moral component to the choices about how and why we relate to our environments. We are coming to recognize at the macro scale that our activities have tipped the balance survival of consumerist society and thus the metropolis is tied to a technological nature both beneficent (productive) and angry (destructive). In short, the environment has become a social enterprise, and society, an environmental







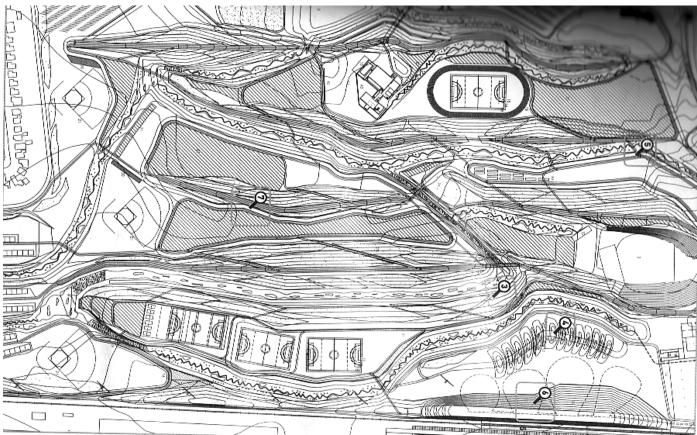
top: Thomas Struth, "The Restorers at San Lorenzo Maggiore, Naples" (1988). Struth repositions an activity associated with the museum—painting restoration—into another venue—the church.

bottom left: Thomas Struth, "Garden on the Lindberg, Winterthur" (1991).

bottom middle left: Thomas Struth, "Cornfield."

bottom middle right: Thomas Struth, "Paradise."

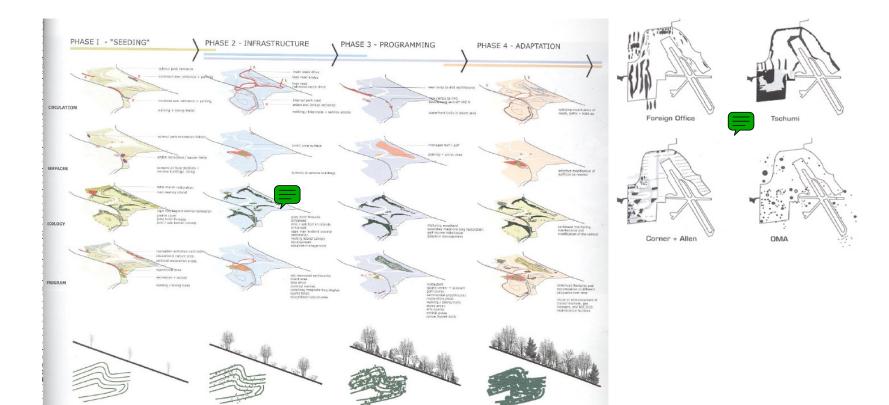
bottom right: Thomas Struth, "Paradise 1 (Pilgrim Sands), Daintree, Australia" (1998).















SUCCESSIONAL DEVELOPMENT OF "THREAD" THICKET PLANTING ON SLOPES INTO MATURE, MULTI-AGED, STRATIFIED V

(



o Marx's essay "American Ideals of Space: the Primitive, Pastoral and Progressive" in Denat isions, Wrede and Adams, eds.

for a discussion of the partiested relationship of progress and protectionism relative to cultural views of nature in the U.S..

Darcy Frey, "Crowded House," New York Time Mag June 8, 2008 describe MVRDV's MetaCity/Datatown project as "a Kerious investigation by translating the chaos of the contemporary city into pure information. DV set out to reveal how our collective choices and behaviors come to mold our constructed environments."

For information on a broad range of living system technologies and projects, see Liat Margolis; and Alexander Robinson, Living Systems; Basel: Birkhauser, 2007

GIS = geographic information systems; GPS = global positioning system; BIM = building information modeling. BIM tools have been used primarily for architectural projects but are increasingly applicable to landscape and urban projects. BIM technology models embedded cost, material, implemental and demographic factors throughout a project's life of cle, and can be integrated with GPS, GIS and in situ information systems that provide live data on moisture, light, wind, temperature, traffic, events, etc.

See grossmax.com.

Paul Shepheard, "Sensational Landscapes," TOPOS Jou 57:2006 P.96. Gilles Deleuze and Felix Guattari, A Thousand Plateaus: Formalism and Schizophrenia-Paris: Minuit, 1980. Translated by Brian Massumi (1980). 2004).

See the incisive Landscape Urbanism Bullshit Generator at www.ruderal.com/

bullshitfor alternate verbage.

Among others, well used references for this work include <code>Defanda's</code>, A Thousand Years of Non-Linear History <code>(1997)</code> and <code>Deleuze's writings</code>.

James Corner, "Ecology and Design as Agents of Creativity," Environmentalism in Landscape Architecture, Michel Conan, ed. Washington: Dumbarton Oaks, 2000.

Stan Allen, Points and Lines: Diagrams and Projects for the City: New York: Princeton Architectura Press, 1999.

Charles Waldheim, "Landscape Urbanzsm: A Genealogy," Praxis Journal no. 41

A. Reeser and A. Schafer, eds. 2002.

Alex Wall, "Programming the Urban Surface," Recovering Landscape, James Corner, ed., New York: Princeton Architectural Press; 1999.

See Robert Somol, "All Systems GO! The Terminal Nature of Wontemporary Parks," CASE: Downsview: Julia Czerniak, ed., New York: Prestel Publishing, 2002.

James Corner, "Terra Fluxus," Landscape Urbanism Reader, Charles Waldheim, ed: New York: Princeton Architectural Press, 2006

