

THE ORIGINAL GREEN



ICA/CA

San Antonio

10 April 05

STEPHEN A. MOUZON, AIA CNU LEED

THE NEW URBAN GUILD

Miami Beach, Florida, USA

WHAT'S *the* PROBLEM?

10. *the* ABSENCE of PLAIN-SPOKEN
SUSTAINABILITY

9. *the* DANGER of WISHES

8. *the* DILEMMA of GLOBAL
WARMING

7. *the* FATE of "OUGHT-TO"

6. *the* PROBLEM of GROWTH

5. *the* TROUBLE with
CONSUMPTION

4. *the* ACHILLES HEEL of
ARCHITECTURE

3. *the* CARBON FOCUS

2. *the* SUPPLY-SIDE FOCUS

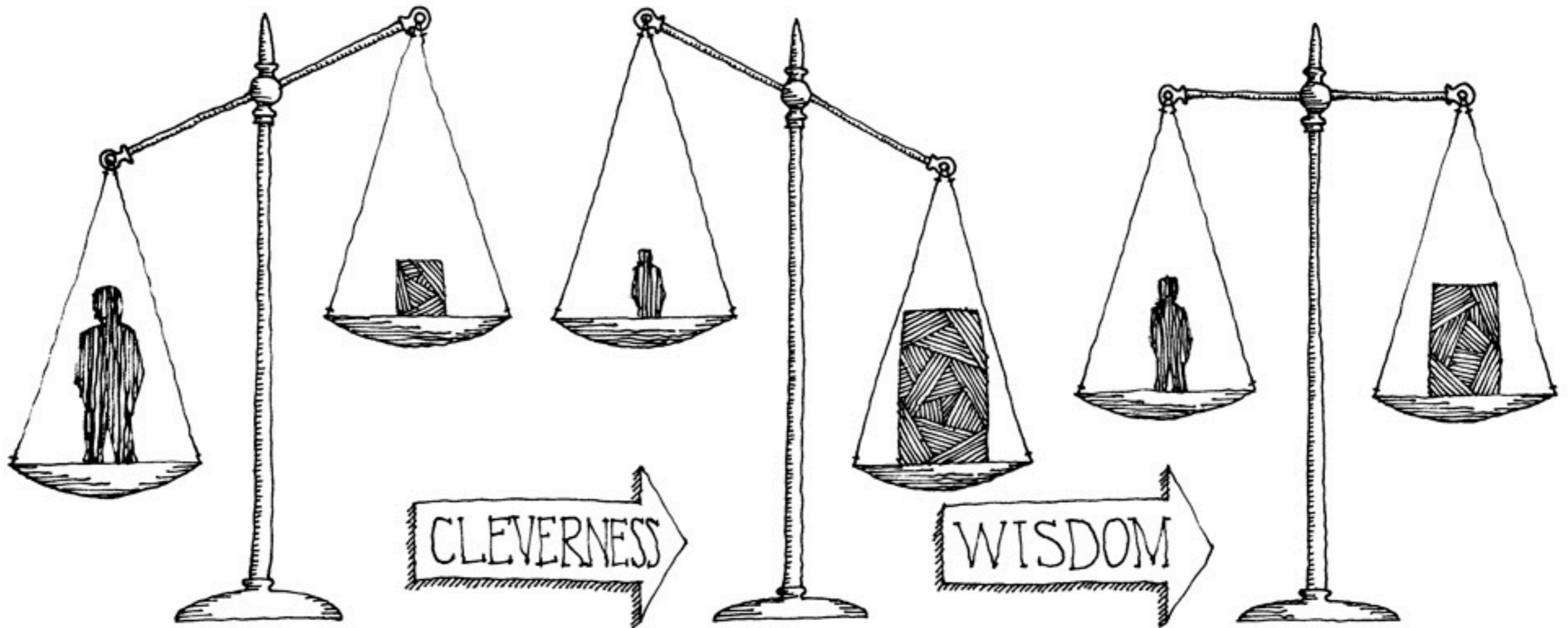
1. *the* 2.5 BILLION PEOPLE

A photograph of a stone building under construction in a lush green field. The building is made of rough-hewn stones and has a partially completed roof. In the foreground, there is a wooden trellis structure made of bamboo or similar material, likely for growing plants. The background is filled with dense green foliage and trees. The text "10. the ABSENCE of PLAIN-SPOKEN SUSTAINABILITY" is overlaid in a yellow, serif font at the top of the image.

10. *the* ABSENCE
of PLAIN-SPOKEN SUSTAINABILITY

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WHAT *it* TAKES *to* STAY ALIVE



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The background of the slide is a photograph of an industrial facility, likely a power plant or refinery, during sunset or sunrise. The sky is a warm, hazy orange. Several tall, dark smokestacks are visible, with a thick plume of dark smoke rising from one of them on the left side. The industrial structures are silhouetted against the bright sky.

9. *the* DANGER *of* WISHES

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An aerial photograph of a mountain range. The mountains are dark green and brown, with several patches of snow or ice. A river valley is visible in the center, with a river winding through it. The text is overlaid on the top half of the image.

8. *the* DILEMMA
of GLOBAL WARMING

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7. *the* FATE of “OUGHT-TO”



6. *the* PROBLEM OF GROWTH



An aerial photograph showing a large-scale industrial or construction site. The site is characterized by extensive areas of dark, muddy earth and large piles of grey material, possibly waste or raw materials. Several large trucks and pieces of heavy machinery are visible, indicating active operations. The site is bordered by green fields and a dense forest in the background. A train with multiple yellow and white cars is visible on a track that runs horizontally across the top of the image. The overall scene suggests a significant environmental impact from industrial activity.

5. *the* TROUBLE
with CONSUMPTION

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PLANNED OBSOLESCENCE



THROWAWAY BUILDINGS



THROWAWAY PLACES



HOUSTON





4. *the* ACHILLES HEEL
of ARCHITECTURE

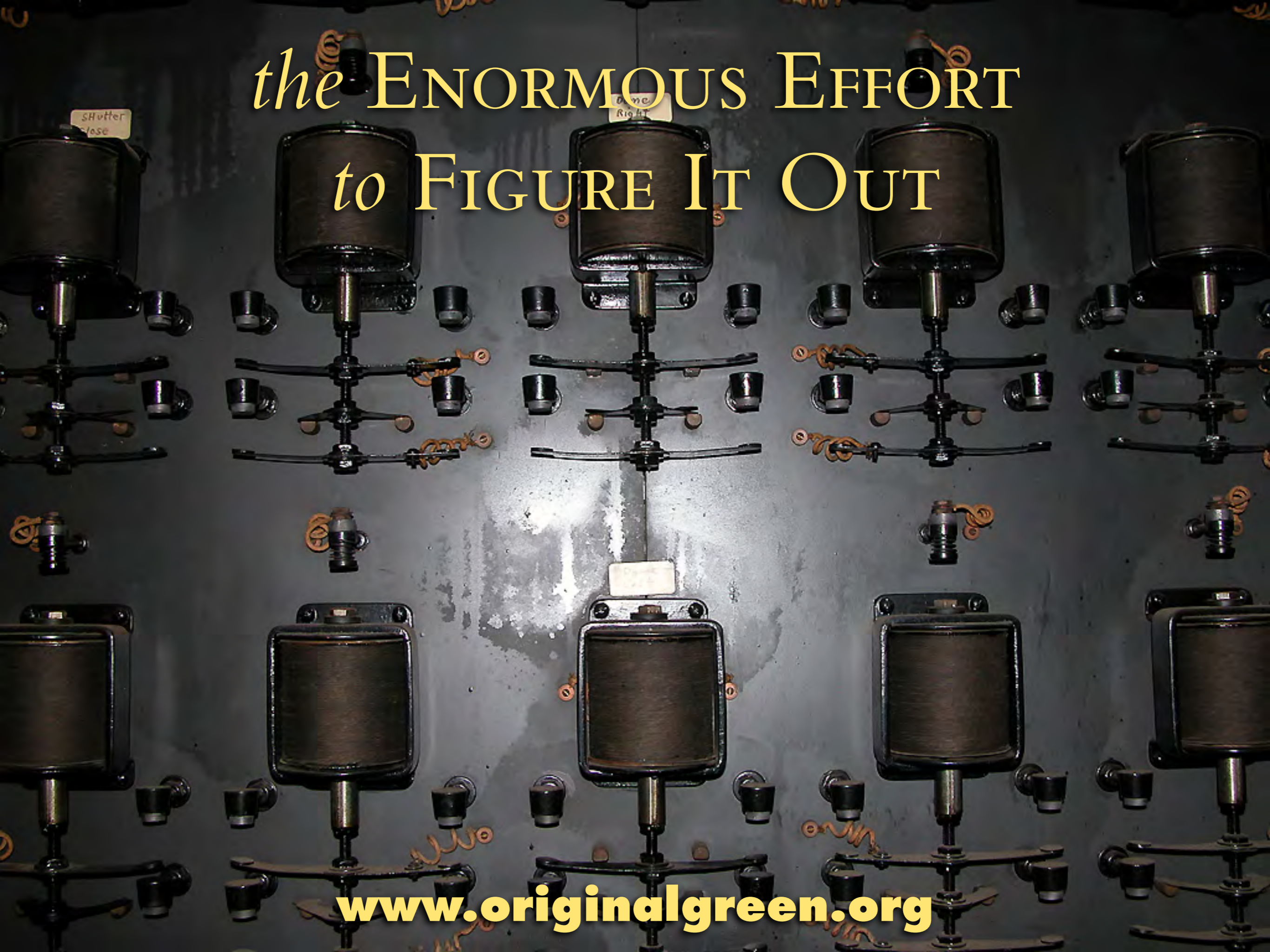
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the NECESSITY *of*
UNIQUENESS



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the ENORMOUS EFFORT
to FIGURE IT OUT



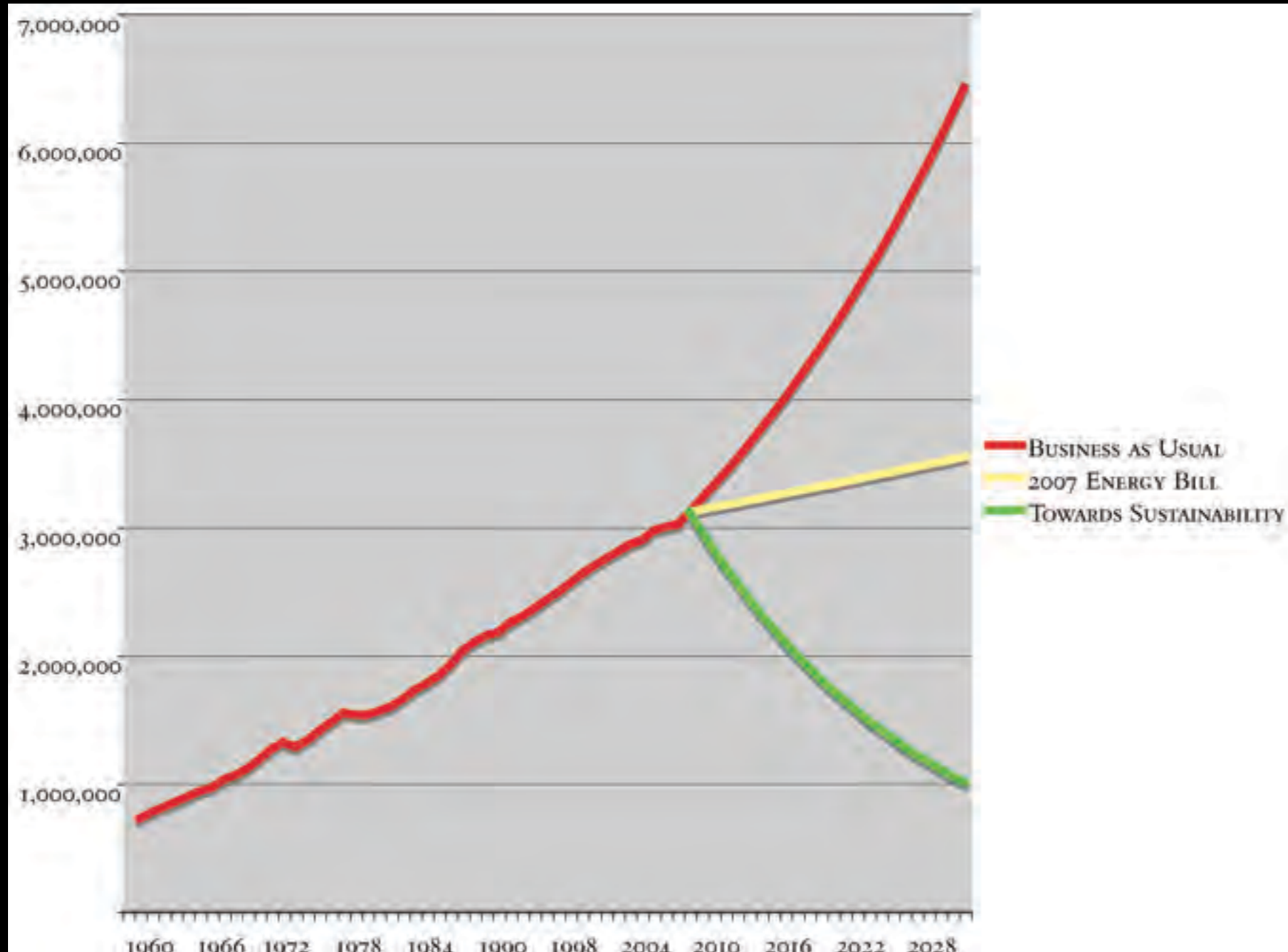
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An aerial photograph showing a multi-lane highway interchange. A large, multi-story, light-colored building with a flat roof and a large parking lot is situated on the right side of the highway. The surrounding area includes green fields, some trees, and other buildings in the distance. The text "3. the CARBON FOCUS" is overlaid in a yellow, serif font across the top of the image.

3. *the* CARBON FOCUS

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2. *the* SUPPLY-SIDE FOCUS



the GIZMO GREEN DELUSION



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the FALLACIES *of* EFFICIENCY



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1. *the* 2.5 BILLION PEOPLE

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WHAT CAN WE DO?

10. *the THINGS that WORK*

9. *the DIVERSIFIED EXTENT*

8. *the DIVERSIFIED ENVIRONMENT*

7. *the DIVERSIFIED MEANS*

6. *the EXPANDED USES*

5. *the NARROWED RESOURCE RANGE*

4. *the EXPANDED COMFORT RANGE*

3. *the LOCALIZED OPERATIONS*

2. *the SHARING of WISDOM*

1. *the INVOLVEMENT of EVERYONE*

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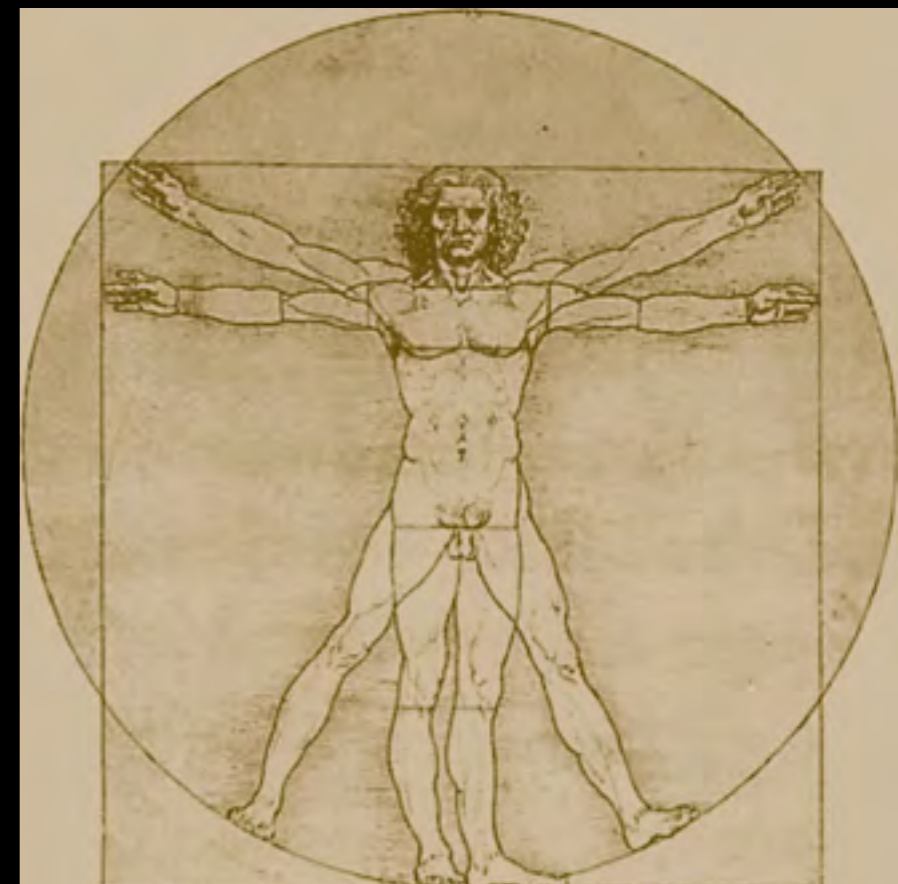
10. *the THINGS that WORK*

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9. *the* DIVERSIFIED EXTENT



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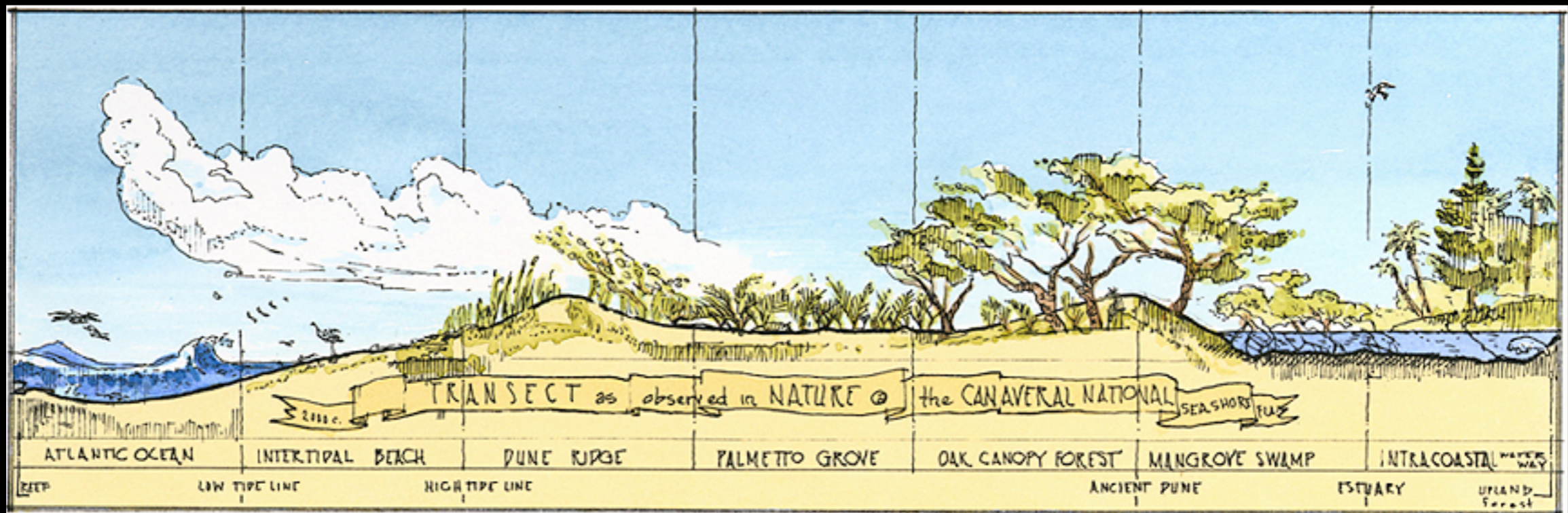


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8. *the* DIVERSIFIED ENVIRONMENT

The Transect is the operating system of the New Urbanism.

The idea of the Transect originated in the 1900's as an ecological tool used to describe a series of natural habitats, but transects have existed in nature since the dawn of time.





the TRANSECT

- ★ T1: NATURAL (THE WILDERNESS)
- ★ T2: RURAL (FIELDS & MEADOWS)
- ★ T3: SUBURBAN (THE OUTSKIRTS)
- ★ T4: GENERAL URBAN (NEIGHBORHOODS)
- ★ T5: URBAN CENTER (MAIN STREET)
- ★ T6: URBAN CORE (DOWNTOWN)



7. *the* DIVERSIFIED MEANS

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V

VERNACULAR



M

MEDIAN



C

CLASSICAL



MORE ORGANIC

MORE REFINED

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the CLASSICAL IDEAL



CHARLESTON

COTSWOLDS

NANTUCKET

SANTA FE

NEW ORLEANS

BERMUDA

6. *the* EXPANDED USES



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5. the NARROWED
RESOURCE RANGE



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A night scene of a busy street market. The street is paved with cobblestones and lined with shops. On the left, a restaurant named 'TABERNA to XANI' has outdoor seating with tables and chairs. People are walking along the street, some carrying shopping bags. On the right, there are racks of clothing hanging outside a shop. The scene is illuminated by warm streetlights and shop lights, creating a vibrant atmosphere.

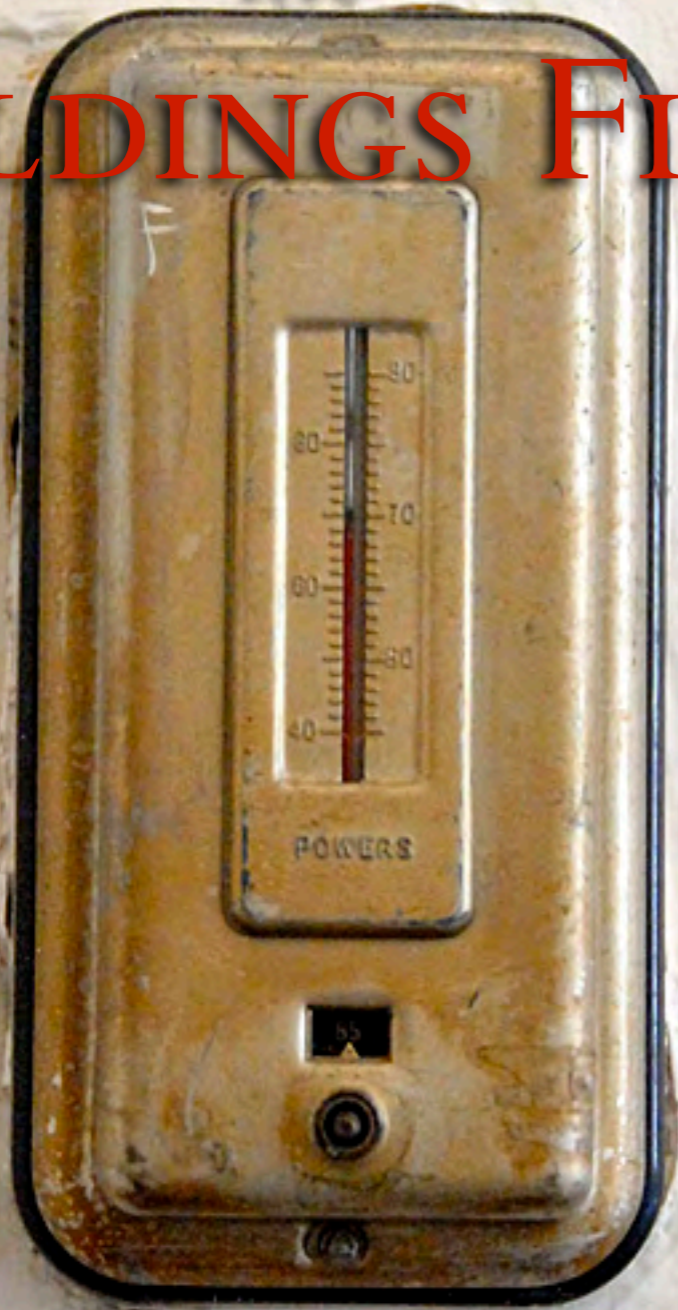
4. *the* EXPANDED
COMFORT RANGE

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CONDITIONING

the

BUILDINGS FIRST



CONDITIONING

THE

HUMANS FIRST



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LIVING *in* SEASON



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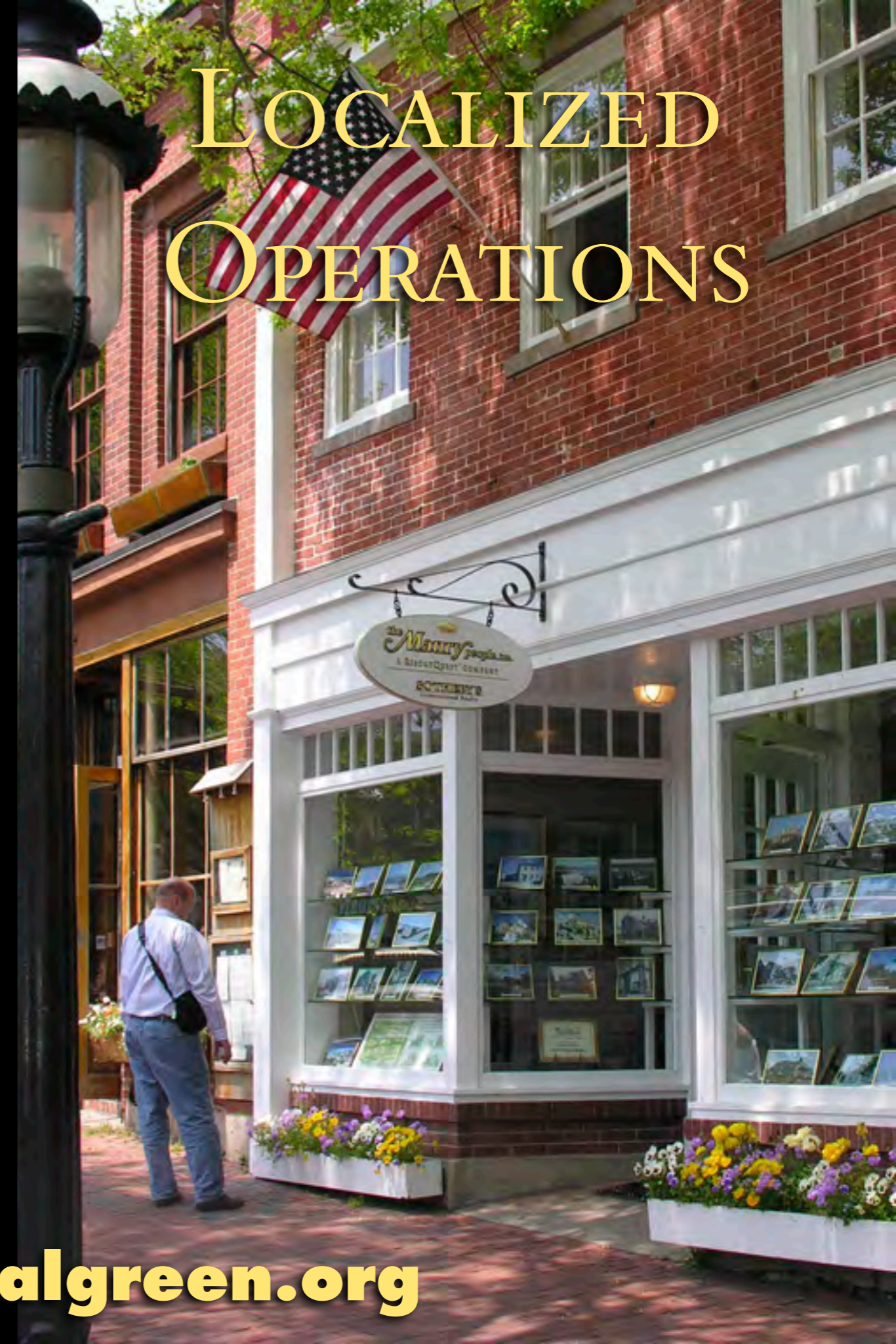
3. *the* LOCALIZED OPERATIONS



LARGE-SCALE WAFFLE HOUSE OPERATIONS



LOCALIZED OPERATIONS



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2. *the* SHARING of WISDOM

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WHAT'S THE DELIVERY SYSTEM?

★ PUBLIC EDUCATION'S WAY

★ HIGHER EDUCATION'S WAY

★ *the* SPECIALISTS' WAY

★ NATURE'S WAY

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PUBLIC EDUCATION'S WAY

PUBLIC LIBRARY

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HIGHER EDUCATION'S WAY

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the SPECIALISTS' WAY

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NATURE'S WAY

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I. *the* INVOLVEMENT of EVERYONE



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WHAT IS A LIVING TRADITION?

★ INSPIRATION

★ RESONANCE

★ REPETITION

★ ADOPTION

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THE DEATH *of* TRADITION



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DEATH *by* SPECIALIZATION

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SPECIALISTS & BIG NUMBERS

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ARCHITECTS *vs.* POPULATION



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THE GREAT DECLINE

1925-1945

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LOST THEIR WAY

~

LOST THEIR GREEN

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THE DARK AGES OF ARCHITECTURE

1945-1980

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THE NEW RENAISSANCE



★ FIRST PHASE: 1980-2005

★ SECOND PHASE: 2006-?

★ THIRD PHASE: ?-

WORKINGS *of a* LIVING TRADITION

- ★ EASILY PERCEIVED
- ★ EASILY LOVED
- ★ EASILY PERFORMED
- ★ ... BY THE PEOPLE, NOT JUST THE SPECIALISTS

THE TRANSMISSION DEVICE

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An aerial photograph of a village with a dense cluster of red-roofed houses in the center. The surrounding area is a patchwork of agricultural fields in various shades of green and brown, with some roads and a river visible. The text 'THE SOPHISTICATED of LONGEVITY' is overlaid in a yellow, serif font.

THE SOPHISTICATED
of
LONGEVITY

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HISTORIC DISTRICT PHOTO CATALOG © 2003 STEPHEN A. MOUZON

Building the Future

Can Traditional Architecture and Urbanism be Green?

21 - 22 November 2006, London, UK

Sustainable design has changed the direction of this century's architecture and sustainable communities have become the mantra for planning. The growing awareness of global climate change has led to an awakening of interest in green urbanism and architecture. Most often, green design is seen as something that is quite hightech, as opposed to natural. Vernacular architecture and organically evolved cities have always responded to the limits of the time, whether in response to climate, to resources, or to skills.

This conference examines whether vernacular traditions can offer some lessons about responding to today's environmental challenges, and the emerging limits imposed by climate change.

Speakers

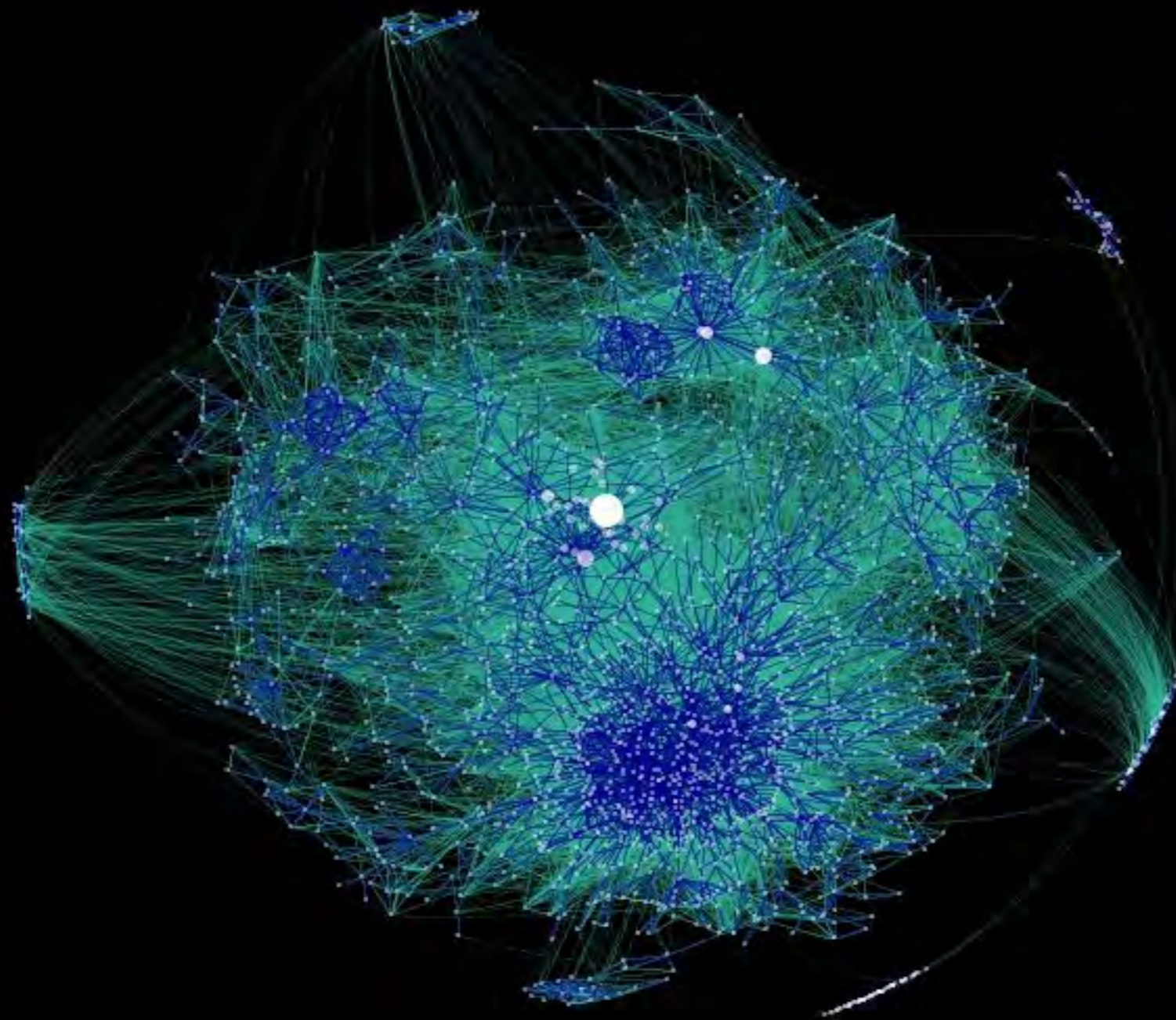
- Bill Dunster
- Elizabeth Moule
- Stefanos Polyzoides
- James Steele
- Quinlan Terry
- Tom Woolley & others.

The need to create a traditional response is vital when one considers two factors: the overwhelming preference of consumers for traditional residences and the fact that, according to the Sustainable Development Commission, 75% of the homes in which Britons will live in 2050 have already been built. Prominent architects, urbanists and scientists will examine ways that traditional architecture and urbanism can respond to 21st century environmental issues; will look at the sustainable refurbishment of Victorian and Edwardian terraces and will develop a practical agenda for moving forward.

The conference is organised with the support of our partner, the Building Research Establishment. The event will be held at:

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IMAGE SOURCE: [HTTP://MSA4.WORDPRESS.COM](http://msa4.wordpress.com)



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PATTERNS VS. STYLES

- ★ EARLY NECESSITY OF STYLE
- ★ BLUNT INSTRUMENT VS. SURGICAL PRECISION
- ★ INTELLIGENCE OF PATTERN DISCOURSE

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3 LEVELS *of the* VERNACULAR

★ STYLE

★ DESIGN PRINCIPLES

★ LIVING VERNACULAR TRADITION

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ARCHITECTURE'S BIOMIMICRY

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THAT WHICH CAN REPRODUCE AND LIVE
SUSTAINABLY IS GREEN; THAT WHICH IS
INCAPABLE OF DOING SO IS NOT GREEN.

THIS IS THE STANDARD OF LIFE.

LIFE IS THAT PROCESS WHICH CREATES
ALL THINGS GREEN.

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WHAT IS *the* ORIGINAL GREEN?

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ASPHALT GREEN
MUNICIPAL ASPHALT PLANT
BOROUGH OF MANHATTAN (1944-1968)

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CHANGING DIRECTION



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WORKMAN/TOOL/PRODUCT OG/LT/ARTIFACTS



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THE ORIGINAL GREEN

S NOURISHABLE L O V A B L E **S**
E ACCESSIBLE D U R A B L E **E**
C SERVICEABLE F L E X I B L E **C**
A SECURABLE F R U G A L **A**
L **L**
R **B**

THE ORIGINAL GREEN

S
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P

NOURISHABLE 0.0	X	LOVABLE 0.0
ACCESSIBLE 0.0	X	DURABLE 0.0
SERVICEABLE 0.0	X	FLEXIBLE 0.0
SECURABLE 0.0	X	FRUGAL 0.0
		LEED 0.0

S
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B

An aerial photograph of a hillside town. The foreground is dominated by terraced vineyards with stone walls. The middle ground shows a cluster of buildings, including a prominent large stone tower with a flat roof. The background shows more buildings on the hillside under a clear sky.

NOURISHABLE PLACES

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ACCESSIBLE PLACES

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SERVICEABLE PLACES

FIRST ST.
EST. 1985
CAFÉ

www.originalgreen.org

SECURABLE PLACES



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A photograph of a brick building with green shutters and a window, with a vine-covered trellis above. The scene is set in a courtyard with a brick wall, a window with green shutters, and a doorway with green shutters. A vine-covered trellis arches over the doorway. A small tree in a white pot sits on the brick-paved ground. In the background, a brick wall and a metal railing are visible.

LOVABLE BUILDINGS

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DOWN *the* UNLOVABLE CARBON STAIR-STEPS





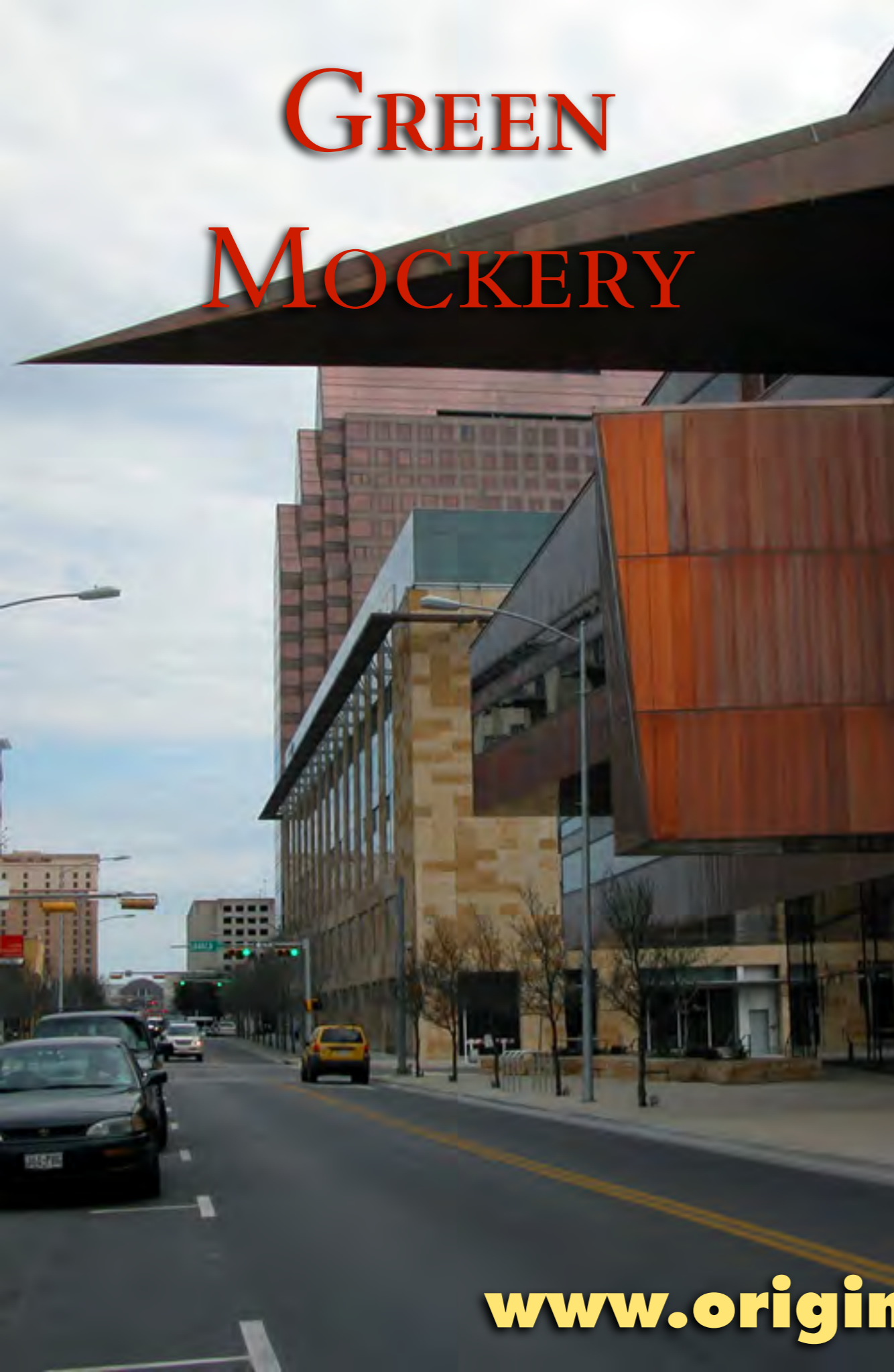
ENGINEERING



DESIGN

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GREEN MOCKERY



SUSTAINABLY GREEN



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THE DEMOLITION OF THE MONTH

MONTEREAU, France, Ile-de-France - Tours Lavoisier: demolition, 2006



(A) Tours Lavoisier: BEFORE demolition



Tours Lavoisier: BEFORE demolition (B)



(C) Tours Lavoisier: DURING demolition



Tours Lavoisier: DURING demolition (D)



(E) Tours Lavoisier: DURING demolition



Tours Lavoisier: DURING demolition (F)

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OF OUR TIME



OF HERE, OF US



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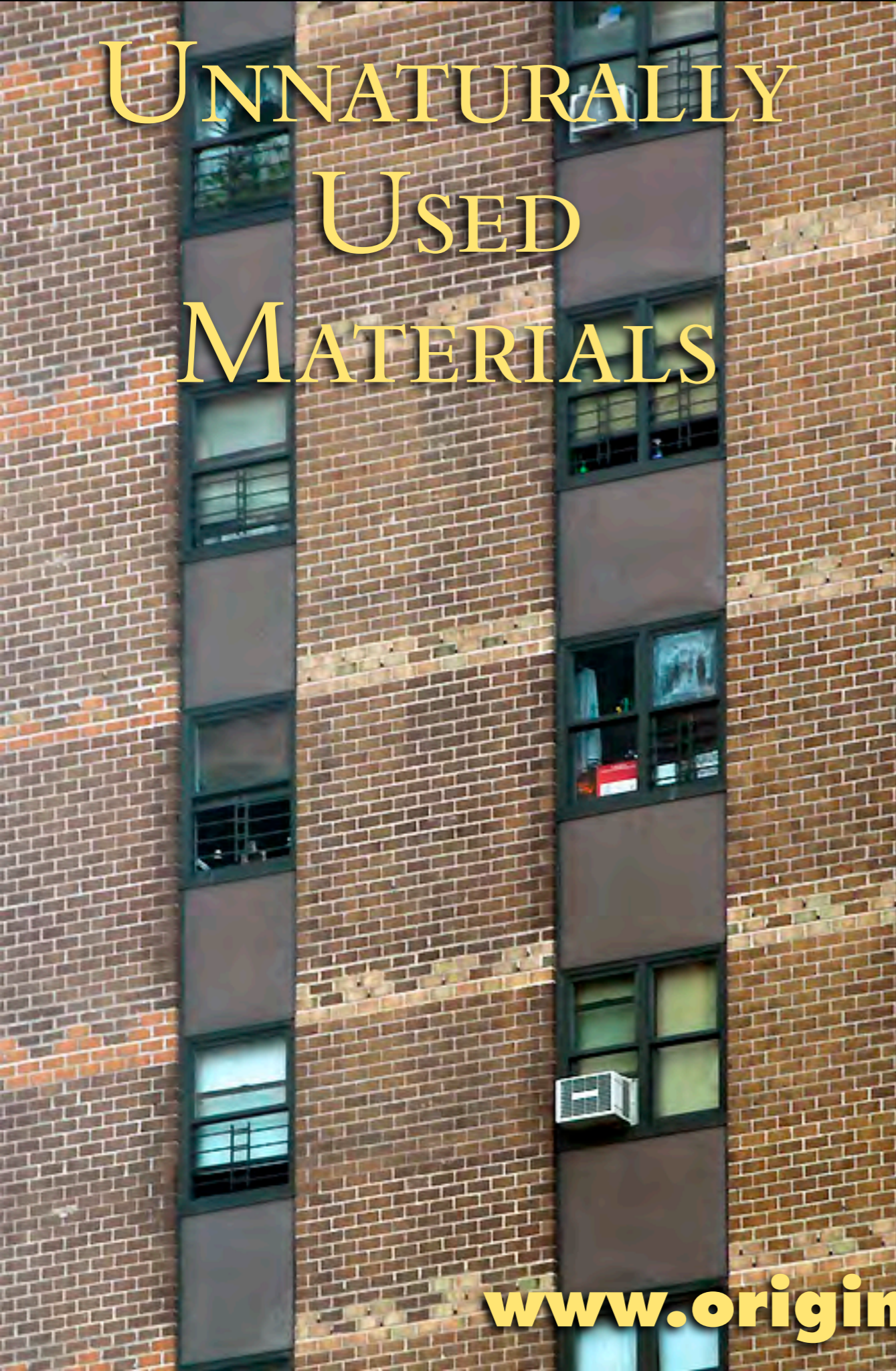
DURABLE BUILDINGS

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UNNATURALLY
USED
MATERIALS



NATURALLY
USED
MATERIALS

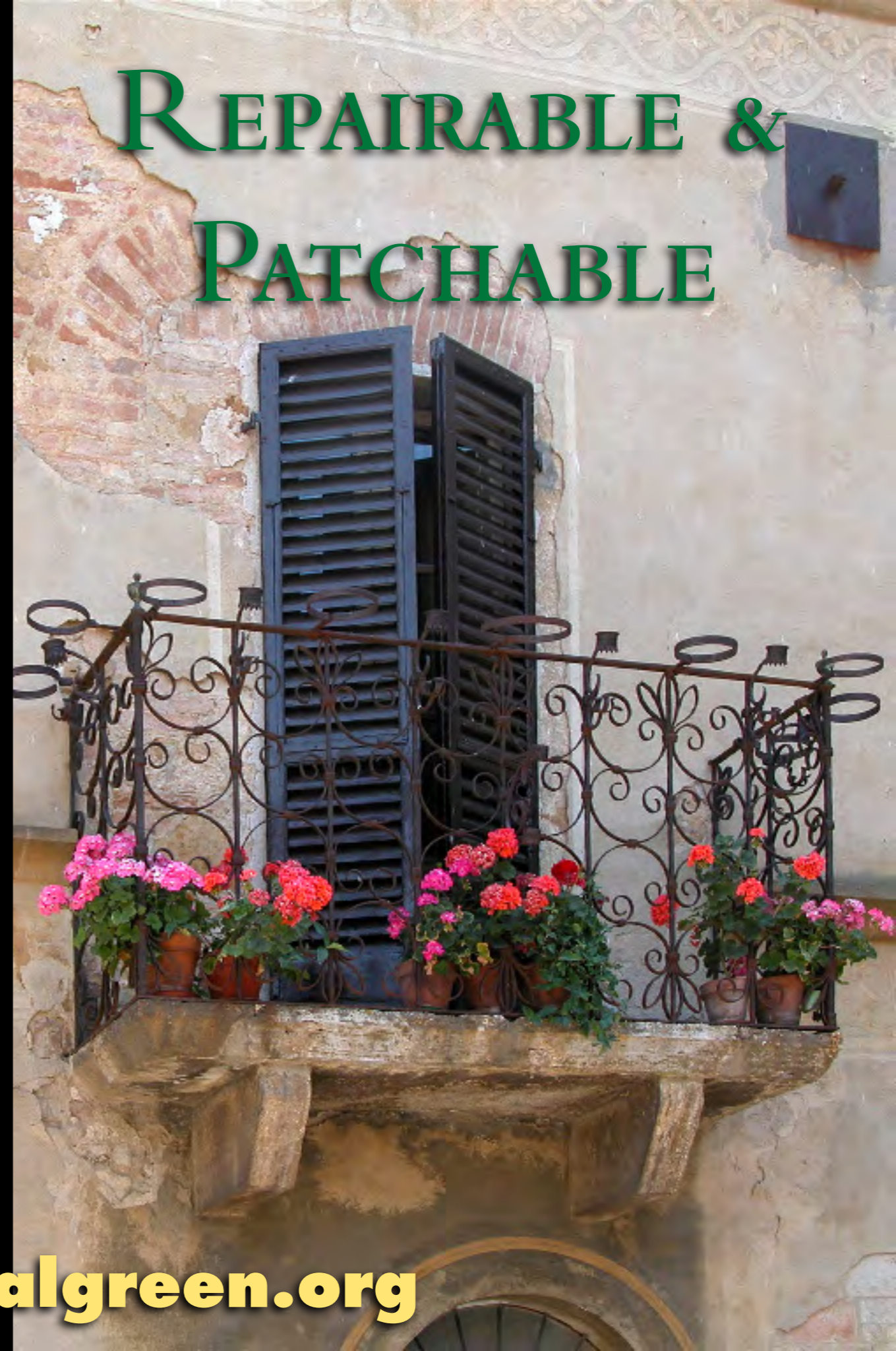


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“No
MAINTENANCE”



REPAIRABLE &
PATCHABLE



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FLEXIBLE BUILDINGS

A photograph of a multi-story brick building with a dark grey shingled roof. A wooden balcony structure is attached to the side, with laundry hanging on a line. The sky is clear blue.

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PROXIMITY TO STREET



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CEILING HEIGHT



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SIMPLICITY OF MASSING



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SIMPLICITY OF CIRCULATION

(???)

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PIPES

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FRUGAL BUILDINGS

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SUSTAINABILITY *and the* MELTDOWN





BE FRUGAL FIRST

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THEN BRIDGE THE GAP



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PUTTING BUILDINGS

BACK *to* WORK



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FRUGALITY

**E
N
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G
Y**

CONSTRUCT CONSTRUCT

OPERATE RECYCLE

TRANSPORT WATER & AIR

NATURE WELLNESS

**M
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T
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I
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L**

FRUGALITY

ENERGY

CONSTRUCT

GIZMO

LIVING

GREEN

TRADITIONS

OPERATE

GIZMO

LIV.

GREEN

TRAD.

TRANSPORT

NEW
URBANISM

NATURE

GG

LT

CONSTRUCT

GIZMO

LIVING

GREEN

TRADITIONS

RECYCLE

GIZMO

GREEN

WATER & AIR

GIZMO

GREEN

LIV.

TRAD.

WELLNESS

GIZMO

LIVING

GREEN

TRADITIONS

MATERIAL

THE ORIGINAL GREEN

**S
E
C
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R
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NOURISHABLE

ORGANIC
FARMING

LOVABLE

NU:
CODES

LIVING
TRADITIONS

ACCESSIBLE DURABLE

NU:
COMPACT & WALKABLE

LIVING
TRADITIONS

SERVICEABLE FLEXIBLE

NU:
DIVERSE

LIVING
TRADITIONS

SECURABLE FRUGAL

NU:
IDENTITY

LIVING
TRADITIONS

GIZMO
GREEN

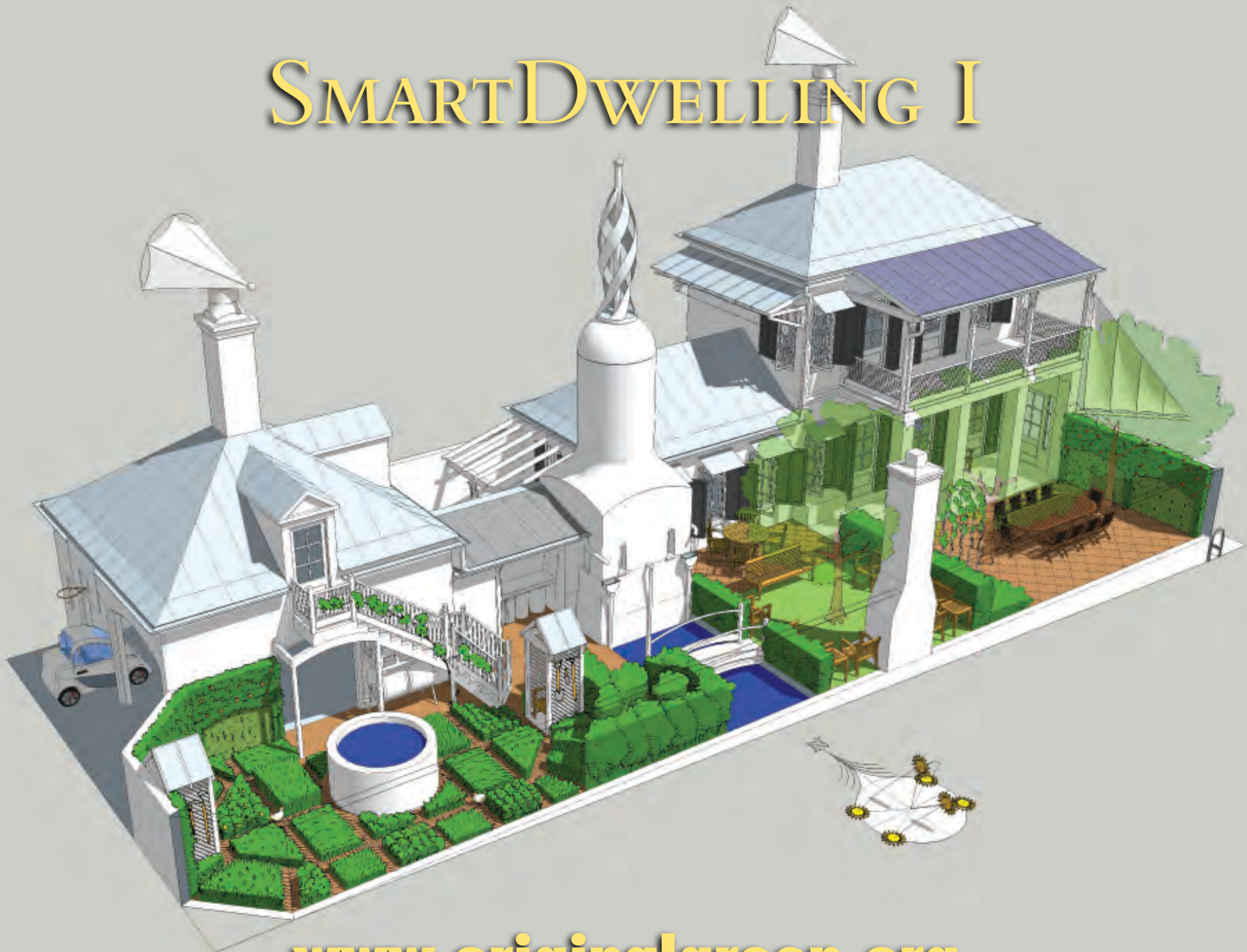
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NEW STUFF



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SMART DWELLING I



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FOOTPRINT *of the* GARDEN



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HEARTH GARDEN



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KITCHEN GARDEN



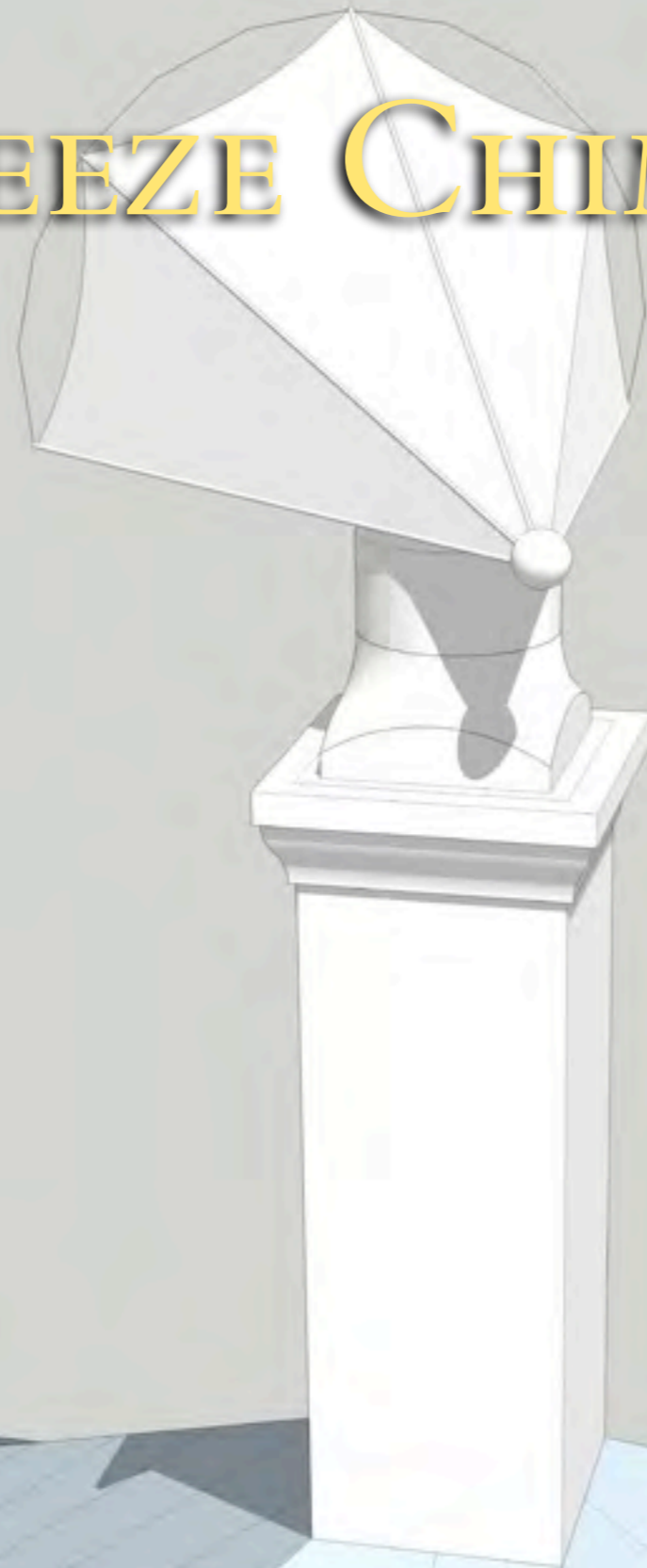
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MEETING *the* SKY

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BREEZE CHIMNEY

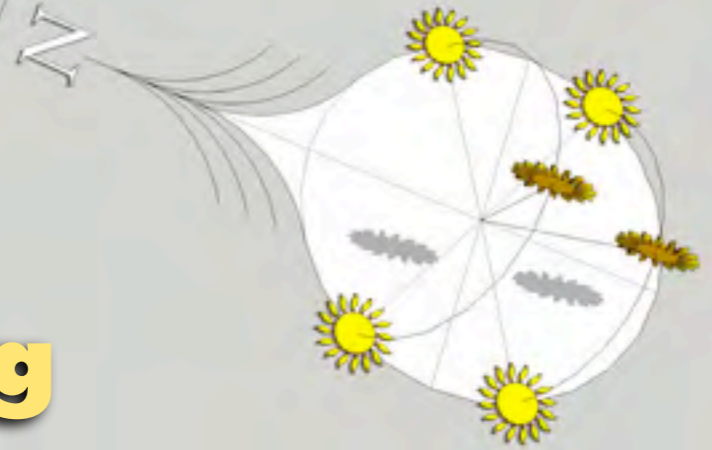


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TOWER of WIND and WATER



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SIDEYARD SAIL



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INVISIBLE THINGS



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WINDOWS *and* SHUTTERS



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LAUNDRY EAVE

A 3D architectural rendering of a laundry eave structure. The structure is shown in a semi-transparent grey wireframe style, revealing its internal wooden frame. It features a gabled roof supported by a network of beams and joists. A dark, solid-colored door is positioned on the right side of the structure. To the right of the door is a window with a circular vent or fan mounted above it. The background is a simple gradient, and the overall scene is presented in a clean, technical aesthetic.

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A 3D architectural rendering of a multi-level chicken coop. The structure is primarily grey and white. It features a central staircase with a white handrail and vertical balusters. To the left, there is a large arched opening leading to a lower level. In the foreground, a white cylindrical composting bin is mounted on a metal stand. The ground is a mix of brown earth and green grass. The overall style is clean and modern.

CHICKENS *and* COMPOST

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GREEN WALL



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A 3D architectural rendering of a garden design. The scene is viewed from an elevated perspective. A central feature is a blue, curved water element, possibly a fountain or a small stream, set within a brown deck area. To the right of the water, there is a wooden deck with a white railing and two wooden chairs. To the left, another wooden deck with a white railing and two wooden chairs is visible. The garden is surrounded by green grass and a white fence. The overall style is clean and modern.

COOL DIP *in the*
MASTER GARDEN

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ROSE TOWN



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BY TODAY'S BUILDERS



BY THEIR GRANDPARENTS



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AN EDUCATED MAN IS ONE
WHO HAS LEARNED HOW TO
GET WHAT HE WANTS
WITHOUT VIOLATING
THE RIGHTS OF OTHERS.

LIVING TRADITION
 * BUILDING IN ROSE TOWN *

WHERE to BUILD

HIGHER GROUND



Build your house on higher ground so that the floods do not make you homeless.

HOW to BUILD

* BUILDING SHAPE & WALLS

ABOVE THE FLOOD



Raise the floor of your house at least half your height above the ground because even the higher ground will flood in the worst of storms.

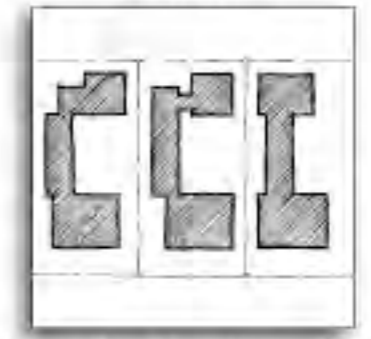


STRONG FOUNDATION



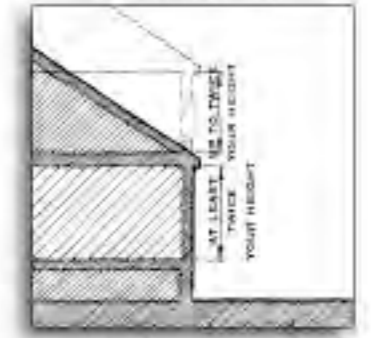
Build your foundation strong, with heavy columns of brick, block, or concrete so that logs and branches washing along in the flood do not smash your foundation and sweep your house away.

Light Wings



Build your house where each room has at least two outdoor walls, letting light and air into every room, because light exposes the dirt and air dries the wet things that would make you sick.

CEILING HEIGHT



Build your ceilings high, up to twice your height or more, so that the hot air can rise, keeping you cooler.

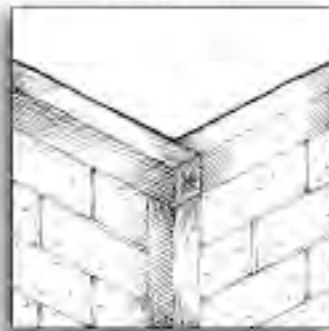


WESTERN WALL



Build the wall where the sun sets as narrow as possible, then protect it from the hot, afternoon sun with bushes and lowered verandahs so that you stay cooler in your home.

HEAVY WALLS



Build your walls of nog or block so that they are stronger when the hurricane comes.

BUILDING MATERIALS

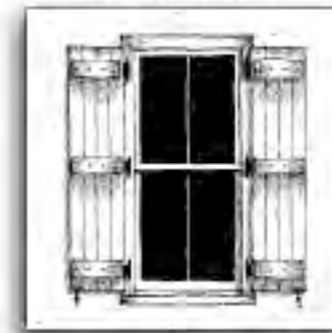


Build most of your house from materials available in Jamaica whenever possible so that you do not have to pay for shipping heavy materials from overseas.



2 * DOORS & WINDOWS

WINDOW SHUTTERS



Protect your windows with solid board shutters, so that you can quickly shut the shutters to protect your home when the storm is on its way.

COOL BREEZE



Build at least one window on each end of your house that is either under a tree or under a verandah so you can leave these windows open and pull cool air into your home.



3 * VERANDAH & BALCONIES

STREET VERANDAH

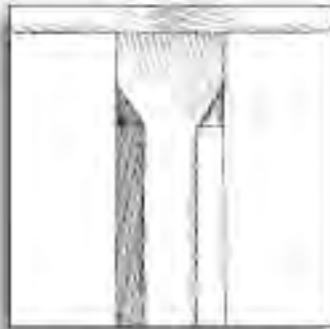


Build a verandah opening onto the street, because it is in sitting on the street verandah that you can both visit with your neighbors, and also take back your street from those who are behaving rudely or out of order.

BACK VERANDAH

Build a verandah in your yard so you can work on things outdoors but out of the sun.

BEVELED POSTS

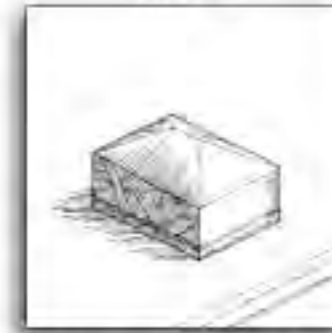


Bevel the corners of all your verandah posts so that they last longer and are more comfortable to lean against.

* CHRISTOPHER BAXTER *

4 * EAVES & ROOFS

HIP ROOF



Build your roof sloping up equally from all walls so that each part of the roof strengthens the parts beside it in a storm.

ROOF SLOPE



Slope your roof so that its height is 2/3 to 3/4 of its width, from ridge to eave, so that it will be strongest in a storm.

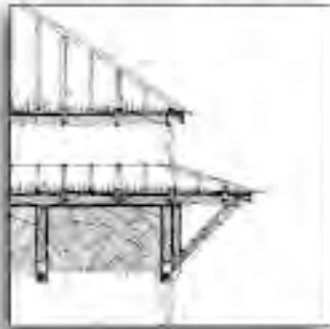
* CHRISTOPHER BAXTER *

ROOF OVERHANG



Let your roof overhang your wall a very short distance so that the hurricane has less give to grab, so that your roof might better survive the storm.

SACRIFICIAL EAVE



If you must have a large overhang somewhere on your house, build it as a separate eave that can be sacrificed to the storm, leaving your main roof unharmed.

ZINC ROOF

Fasten your zinc roof using many screws, especially at the edges, which is where the hurricane attacks it most fiercely.

ZINC ROOF PAINT

Paint your zinc roof with zinc paint when it gets rusty so that its life is prolonged, and so that the zinc will reflect the sun's heat back to the sky, keeping you cooler.



HIGH VENT



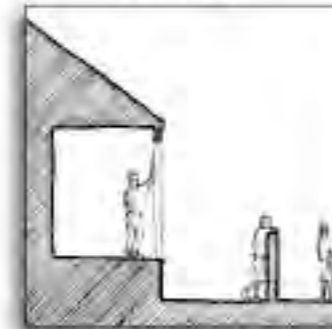
Build a high vent near the center of your house so that the hot air near your ceiling can escape, pulling cooler air in your windows.

5 * ATTACHMENTS & SITEWORK

UPPER STAIRS

If you build an upstairs, put the stairs outside so that they do not take up space in your house.

FRONT WALL



Let there be a wall built at the front of your house which is as tall as your shoulder, so that your yard is private from the street but you can watch the street from your veranda.

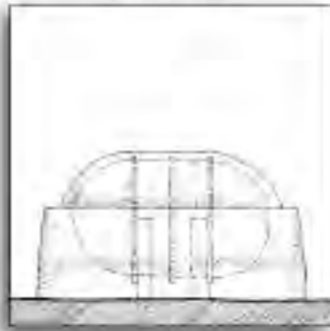


FRONT GARDEN



Plant the land in front of your front wall with a front garden to make your street a more pleasant place and be a gift to your neighbors.

RAINWATER



Build rain troughs or gutters around your roof and store the rainwater in a cistern where you can use it later.

BATHING

Build at least one bath in every yard so that the people living in that yard can clean themselves.

SEWAGE

Do not release sewage into the ground before digesting it in a septic tank so that you do not further contaminate Rese Town's soil and water.



WORKSHOP



Build the place where you work near the street so your raw materials are easy to deliver and your customers don't need to come into your yard.

GARDENS



Plant your yard with things you can eat. For why should your yard lay fallow while you spend more of your money at the grocery store?





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Plant your yard
for why
lay fallow while
money at



An aerial photograph of a landscape featuring a mix of green and brownish-tan terrain. Winding, light-colored paths or roads meander across the land. There are several small, dark green clusters of trees or shrubs scattered throughout. A small, irregularly shaped blue pond is visible in the upper right quadrant. The overall scene suggests a rural or semi-rural area with some agricultural or natural land use.

FOSTERING LIFE

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