

THE ORIGINAL GREEN: SUSTAINABILITY *for the* LONG RUN



PRESERVATION RESOURCE CENTER

New Orleans

10 September 30

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THE NEW URBAN GUILD

Miami Beach, Florida, USA

Mouzon

the **ORIGINAL GREEN** UNLOCKING *the* MYSTERY of TRUE SUSTAINABILITY

the
**ORIGINAL
GREEN**

UNLOCKING *the* MYSTERY of TRUE SUSTAINABILITY

STEPHEN A. MOUZON
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Foreword by
ROBERT F. KENNEDY, JR.

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ROBERT F. KENNEDY, JR.
Foreword by

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. It is surrounded by dense green vegetation, including trees and bushes. In the foreground, there is a wooden frame structure made of thin poles, possibly for drying or storage. The overall scene suggests a rural or agricultural setting.

10. *the* ABSENCE
of PLAIN-SPOKEN SUSTAINABILITY

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9. *the* DANGER of WISHES

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An aerial photograph of a rugged mountain range. The terrain is dark and rocky, with several patches of snow or ice clinging to the slopes and peaks. The lighting creates strong shadows, emphasizing the mountain's contours.

8. *the* DILEMMA of GLOBAL WARMING

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7. *the* FATE of “OUGHT-TO”



6. *the* PROBLEM OF GROWTH



An aerial photograph of a large industrial waste site, likely a coal processing or power plant waste facility. The site is characterized by vast areas of dark, greyish-brown material, possibly coal slag or ash, which has been piled up in several locations. There are numerous tracks and roads crisscrossing the site, with several trucks and pieces of heavy machinery visible. The site is surrounded by green grass and some trees. In the background, a long freight train with many yellow and black cars is visible, traveling along a track that runs parallel to the site. The overall scene depicts a significant environmental impact from industrial consumption.

5. *the* TROUBLE
with CONSUMPTION

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PLANNED OBSOLESCENCE



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THROWAWAY BUILDINGS



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THROWAWAY PLACES



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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

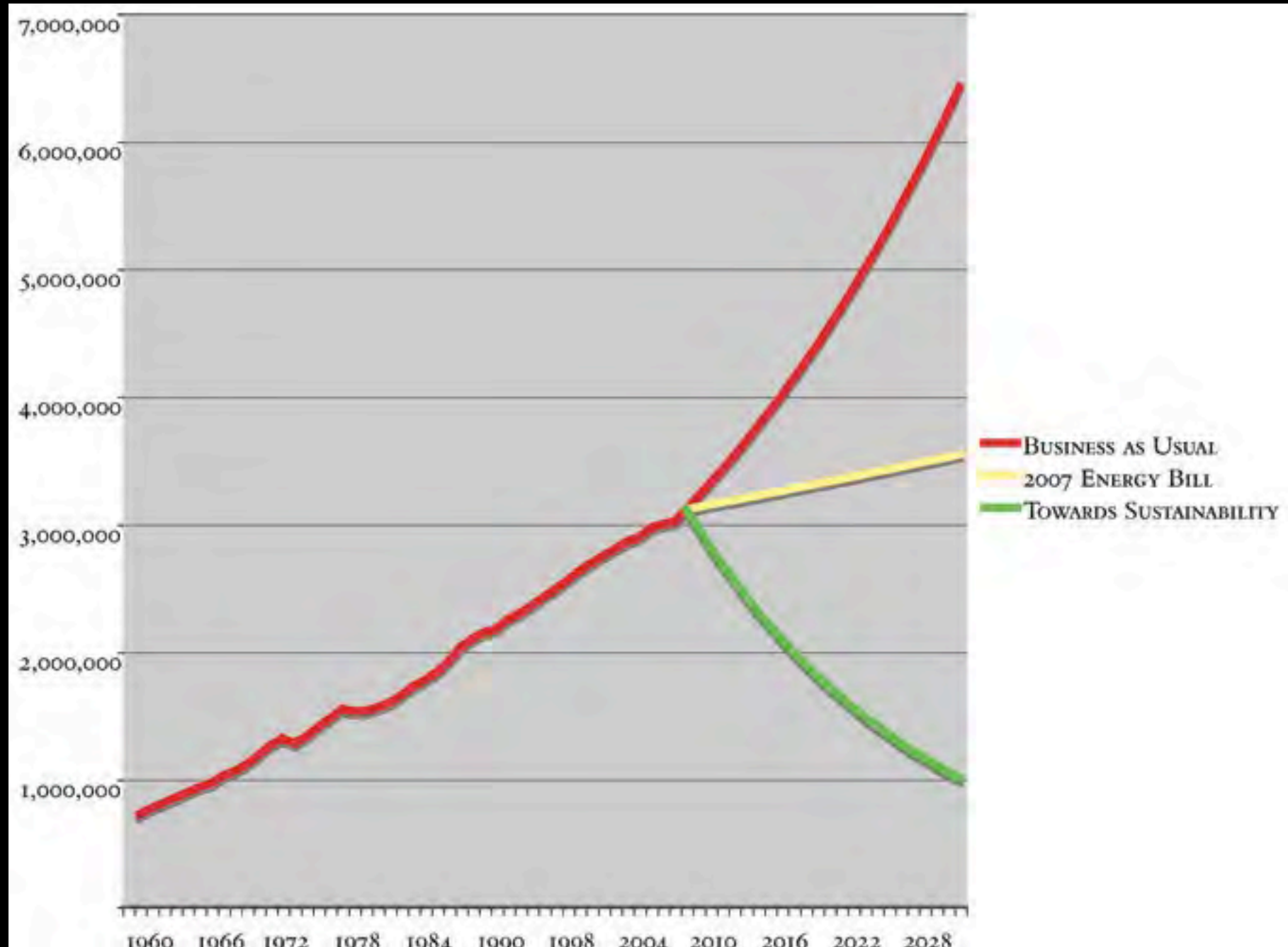
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An aerial photograph showing a multi-lane highway with several vehicles, including cars and trucks. To the right of the highway is a large, multi-story building with a flat roof, surrounded by a large parking lot filled with cars. The surrounding landscape is a mix of green grass and brown, dry fields. In the background, more buildings and a city skyline are visible under a clear sky.

3. the CARBON FOCUS

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2. *the* SUPPLY-SIDE FOCUS



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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

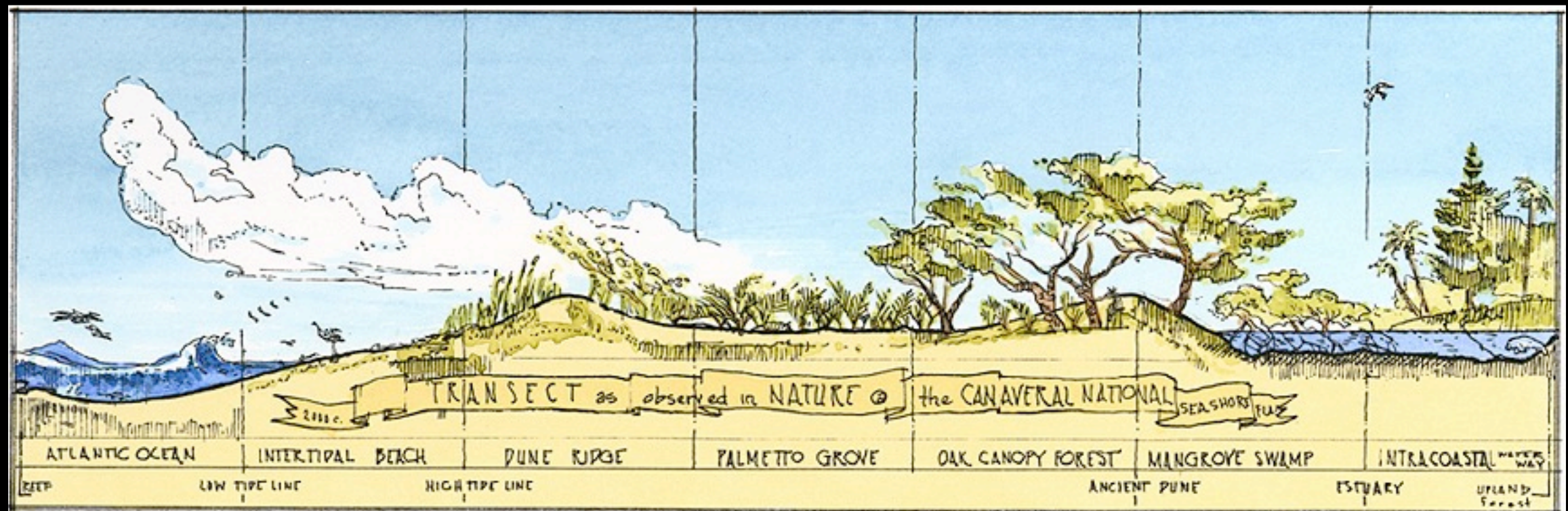


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8. *the* DIVERSIFIED ENVIRONMENT

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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VERNACULAR



MEDIAN



CLASSICAL



MORE ORGANIC

MORE REFINED

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6. *the* EXPANDED USES



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5. the NARROWED RESOURCE RANGE



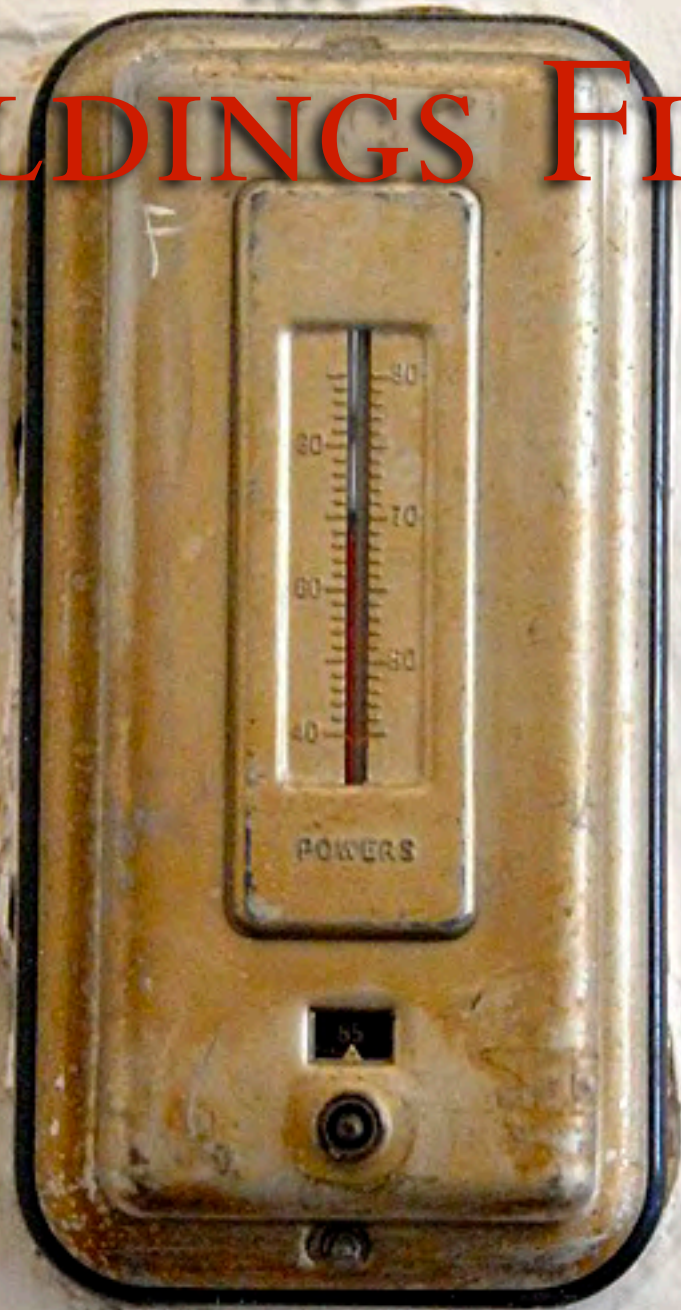
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A night scene of a busy street market. The street is paved with cobblestones and lined with shops. On the left, a shop has a sign that reads "TAE PNA TO XANI". People are walking along the street, and a person on a motorcycle with a bright headlight is in the foreground. On the right, there are racks of clothing hanging outside a shop. The scene is illuminated by warm streetlights and shop lights.

4. *the* EXPANDED COMFORT RANGE

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CONDITIONING *the* BUILDINGS FIRST



CONDITIONING THE HUMANS FIRST



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LIVING *in* SEASON

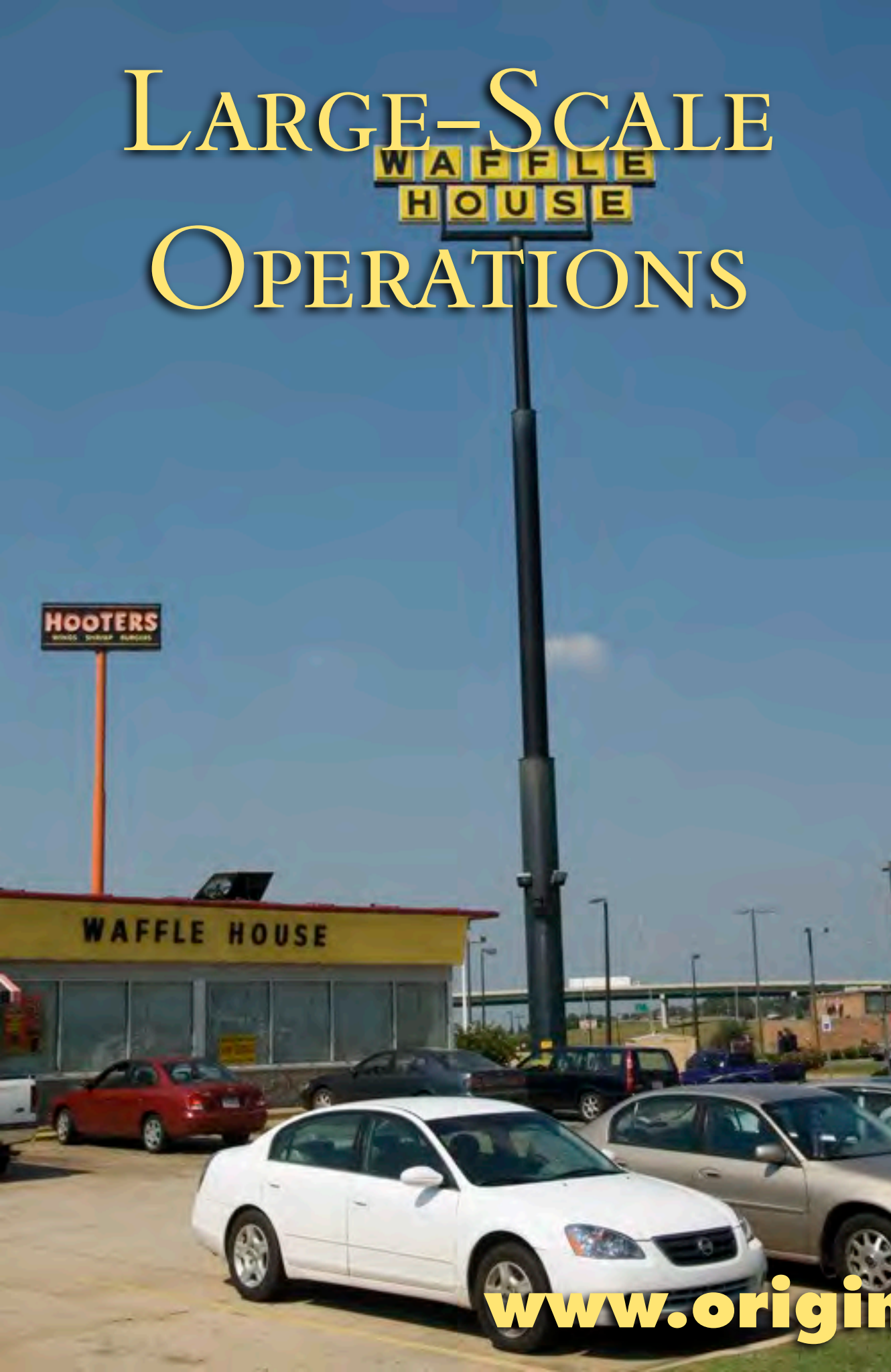


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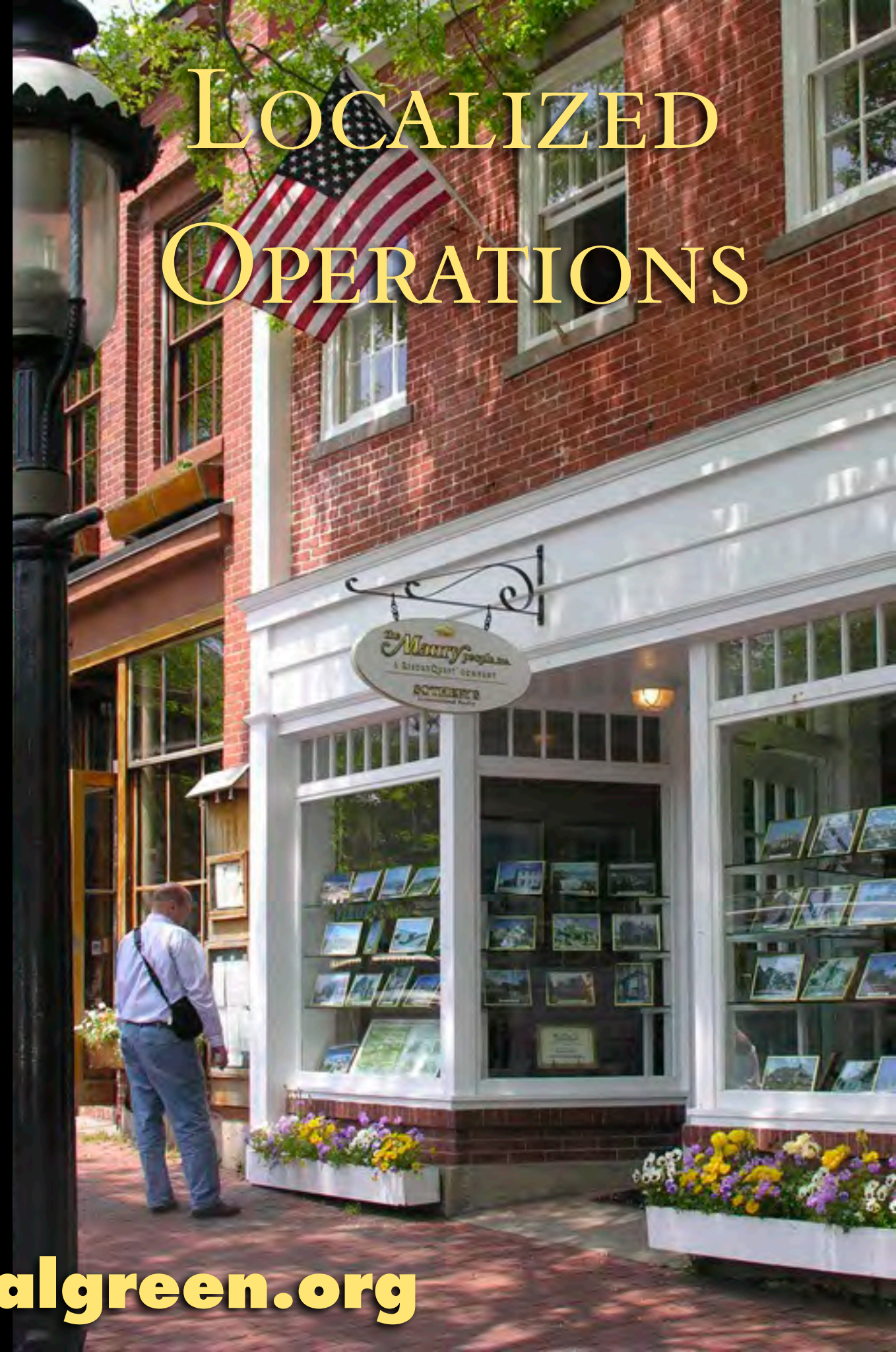
3. *the* LOCALIZED OPERATIONS



LARGE-SCALE Waffle House OPERATIONS



LOCALIZED OPERATIONS



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WEB of DAILY LIFE











Accountant







Groceries







Bookstore

Golden Gate Park

Golden Gate Bridge





Restaurants















WEB OF DAILY LIFE



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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

A photograph of two women sitting at an outdoor cafe table. The table is covered with a red cloth and has a green bottle and glasses on it. The women are sitting on wooden chairs with red seats. They are positioned between two large, weathered stone columns. The background shows other people and a building with a green awning. The scene is brightly lit, suggesting a sunny day.

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I. *the* INVOLVEMENT of EVERYONE



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WHAT IS A LIVING TRADITION?

★ INSPIRATION

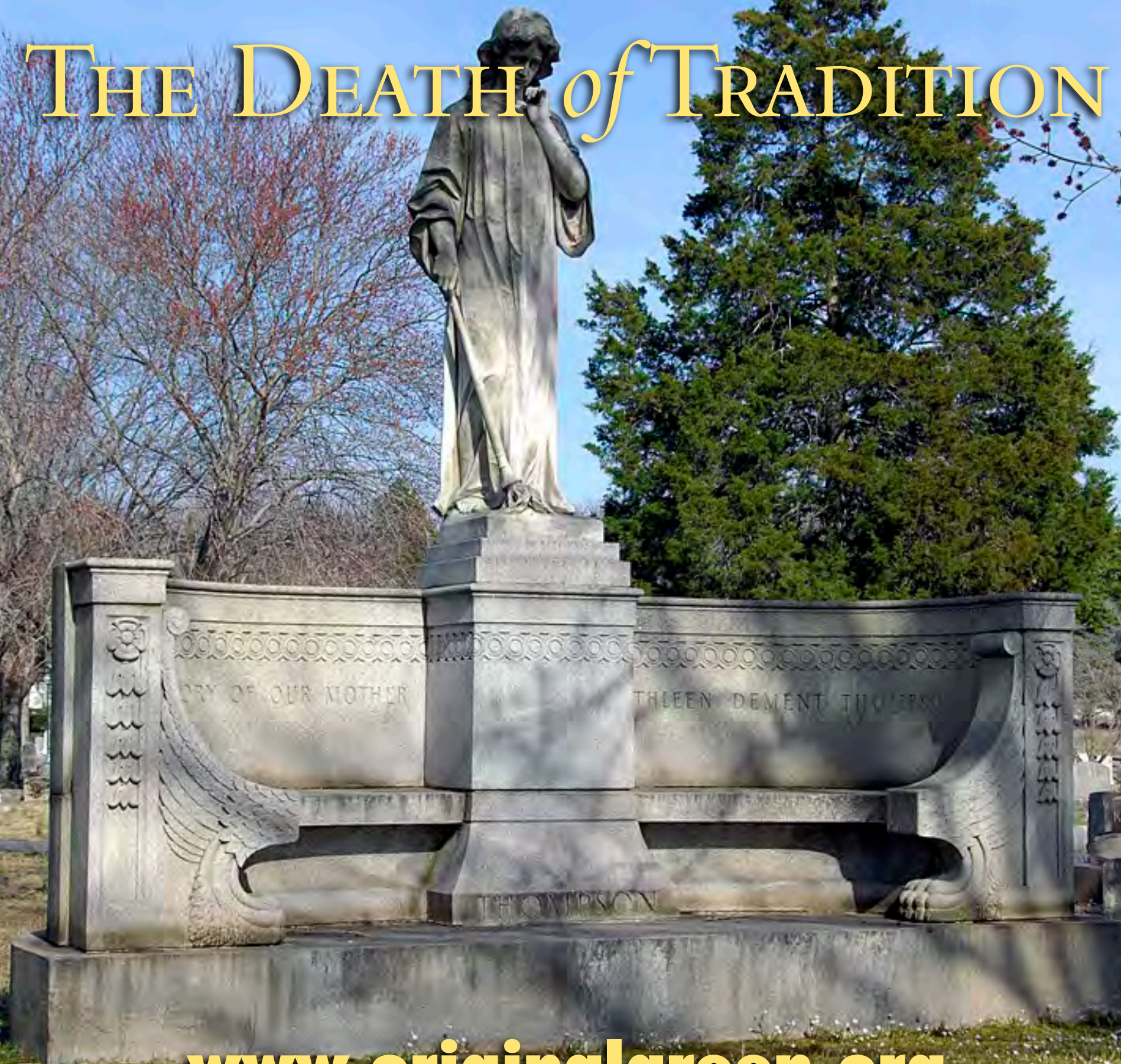
★ RESONANCE

★ REPETITION

★ ADOPTION

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THE DEATH *of* TRADITION



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THE GREAT DECLINE

1925-1945

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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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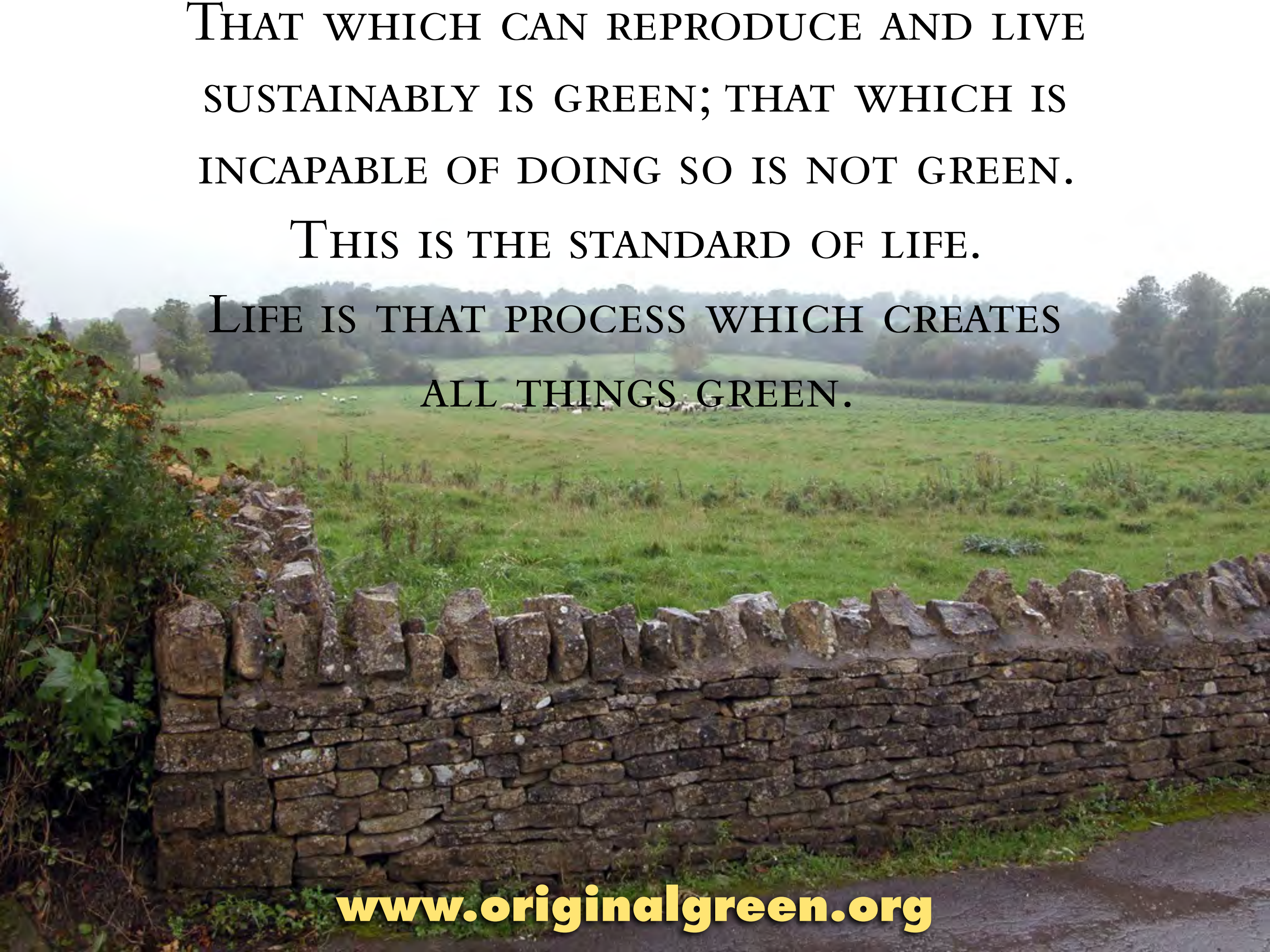
“THIS IS HOW WE BUILD HERE”

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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.

A photograph of a rural landscape. In the foreground, a rustic stone wall made of stacked, irregular stones runs across the frame. To the left of the wall, there are some green plants and bushes. Beyond the wall is a vast, green field. In the distance, a line of trees is visible under a hazy, overcast sky. The overall scene is peaceful and natural.

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WHAT IS *the* ORIGINAL GREEN?

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KEEPING THINGS GOING MEANS HEALING, NOT TRASHING



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PRESERVATION

- ★ PHYSICAL PERPETUATION OF SUSTAINABILITY
- ★ CANNOT BE SUSTAINED IF IT IS NOT PRESERVED
- ★ EVERYTHING ELSE IN PLACE
- ★ NO UTILITY BILLS

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HOW THINGS OPERATE



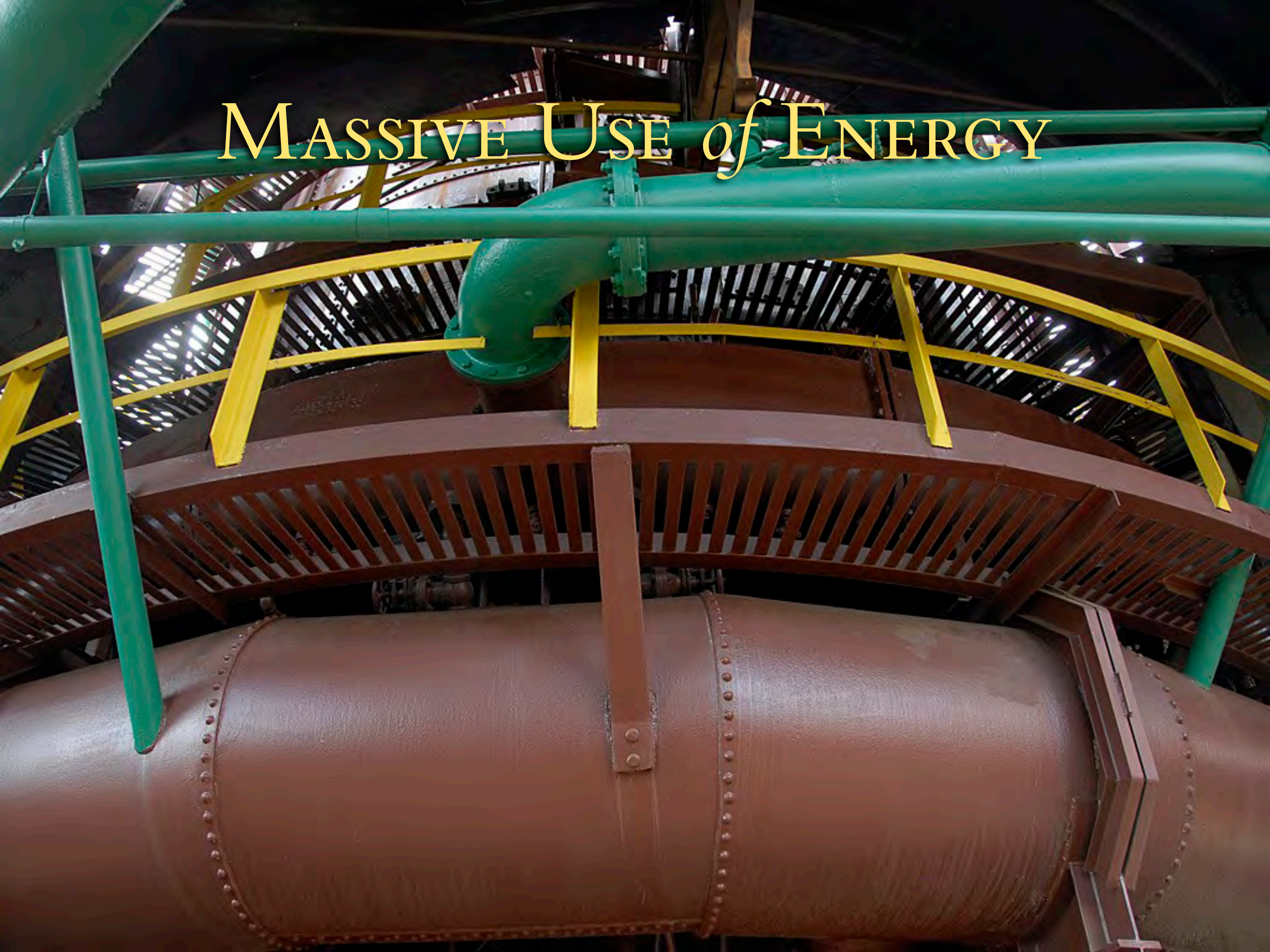
LOTS of CONTROLS



PRECISION ALIGNMENTS



MASSIVE USE *of* ENERGY



HOW THINGS GROW



THINGS *that have* LIFE



WHERE THEY *can* THRIVE



HOW WE GET THERE



HOW WE PARTICIPATE



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** **N**
A **SECURABLE** **F R U G A L** **I**
L **B**



NOURISHABLE PLACES

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OUR FOOD COMES *from the* ASDA GROCERY STORE

★ MOST of it ALSO REQUIRES *a* PASSPORT

★ 1,500 MILES TRAVELED





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MAN-HOUR *vs.* LAND AREA EFFICIENCY



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EFFICIENCY *of the* FARMER *on a* TRACTOR?



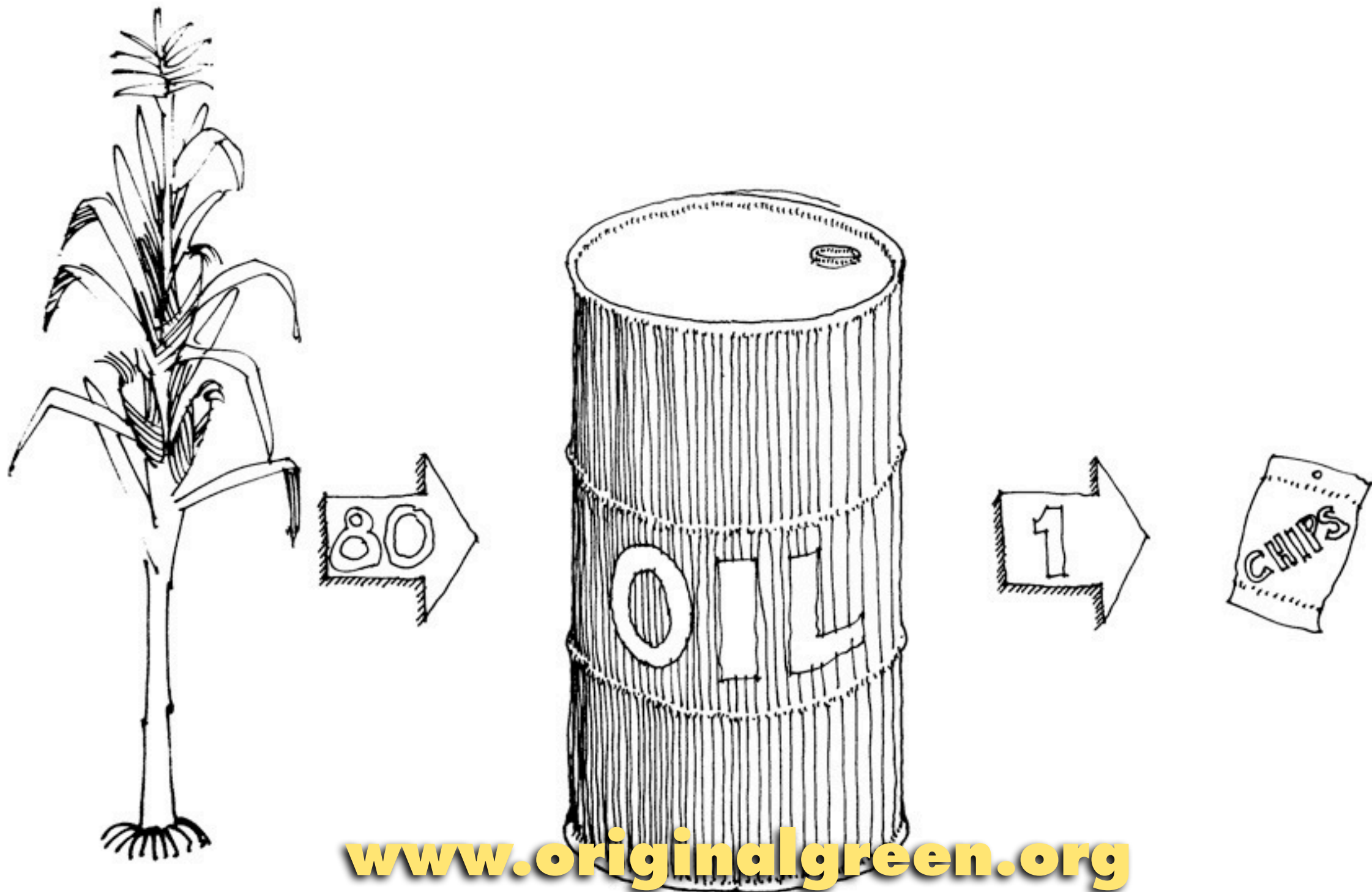
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WHAT'S BEING FORGOTTEN



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CALORIE INEFFICIENCY



EXPORTING *the* GUILT



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INDUSTRIAL SCALE REQUIRES BAD-NEIGHBOR AGRICULTURE

★ CHEMICAL FERTILIZER

★ CROP-DUSTING

★ FOULED RUNOFF

★ CAFO

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GOOD-NEIGHBOR AGRICULTURE



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SCALES OF AGRICULTURE

- ★ EMPLOYING FARM
- ★ FAMILY FARM
- ★ ALLOTMENT GARDEN
- ★ EDGE YARD GARDEN
- ★ COURTYARD GARDEN
- ★ ROOF GARDEN
- ★ ARBOR GARDEN
- ★ WALL GARDEN
- ★ BALCONY GARDEN
- ★ WINDOW GARDEN

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FARMER'S MARKET



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ACCESSIBLE PLACES

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AUTOMOBILE POVERTY



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CHEAPWAY

- ★ AN AMERICAN THOROUGHFARE FORMERLY KNOWN AS THE FREEWAY THAT, WHILE IT MAY COST BILLIONS OF DOLLARS TO CONSTRUCT, NONETHELESS DESTROYS MORE ADJACENT REAL ESTATE VALUE IN CITIES IN WHICH IT IS BUILT THAN IT COSTS TO BUILD IN THE FIRST PLACE.

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SERVICEABLE PLACES



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REDUCING PROPERTY VALUES *of the* ADJACENT HOMES



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AFFORDABILITY: COTTAGES



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AFFORDABILITY: REAR LANE ADDRESSES

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AFFORDABILITY: MEWS



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SECURABLE PLACES



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SW 140 CT.

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A photograph of a red brick building with green shutters and a vine-covered trellis. The image shows a section of a brick wall with a white-framed window and a door, both featuring dark green shutters. A large, leafy vine hangs over the door and window. To the right, a small potted tree stands on a brick-paved area. In the background, a metal railing and more foliage are visible.

LOVABLE BUILDINGS

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DOWN *the* UNLOVABLE CARBON STAIR-STEPS





ENGINEERING



DESIGN

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OF OUR TIME



OF HERE, OF US



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THINGS *that* REFLECT US

- ★ REFLECTING *the* HUMAN FORM
- ★ REFLECTING *the* CULTURE OF OUR GROUPS
- ★ REFLECTING *the* CULTURE OF OUR REGION
- ★ REFLECTING *the* CULTURE OF OUR NATION

THINGS *that* DELIGHT US

- ★ SENSUAL
- ★ GROUP
- ★ MEMORY
- ★ INTELLECTUAL
- ★ SHELTERING
- ★ CHALLENGING

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THINGS *that* PUT US *in* HARMONY

- ★ MATHEMATICAL
- ★ NATURAL PROCESSES
- ★ NATURAL LAWS
- ★ NATURAL FORMS
- ★ HARMONY *with the* REGION

DURABLE BUILDINGS

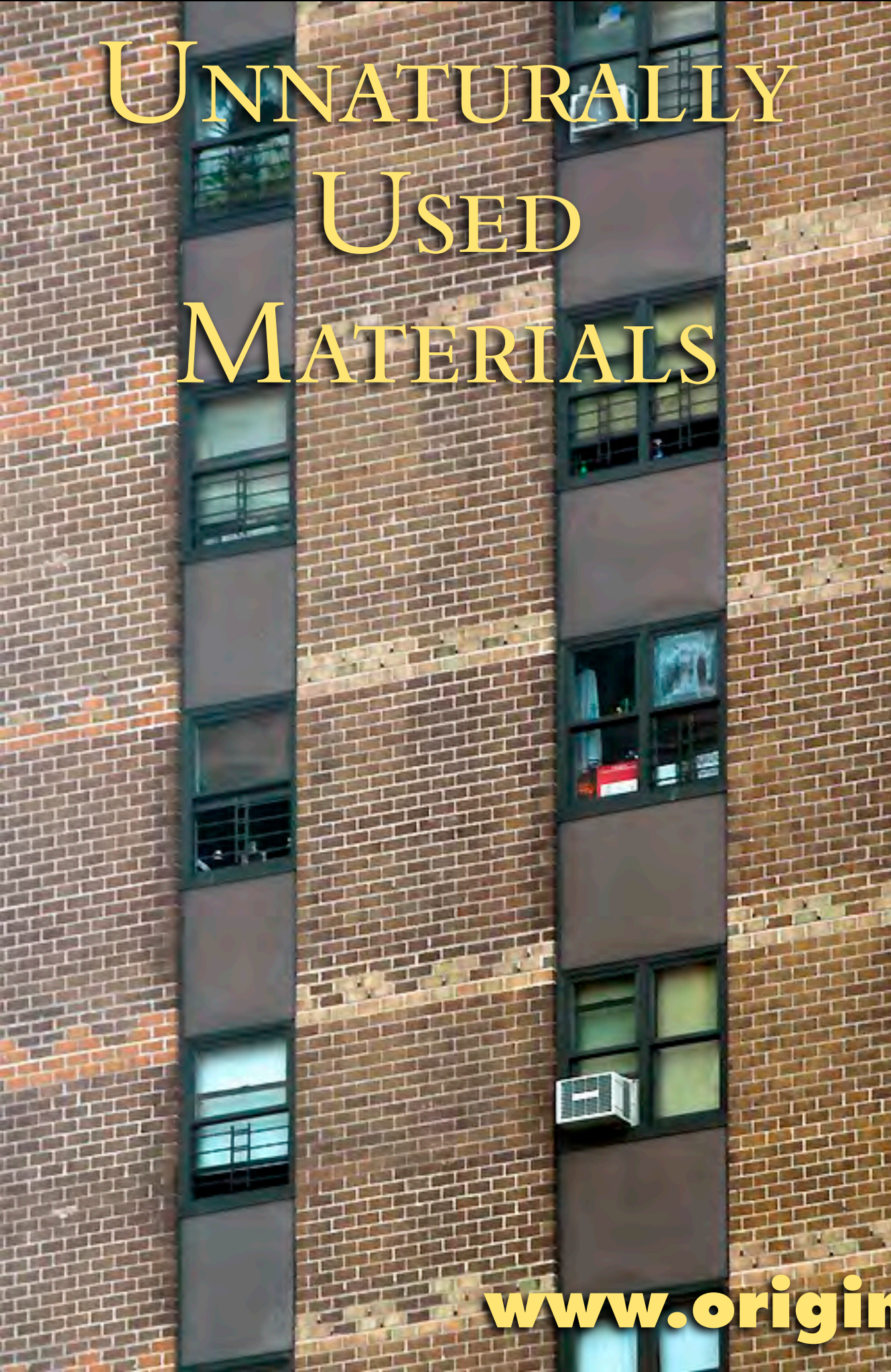


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UNNATURALLY USED MATERIALS



NATURALLY USED MATERIALS

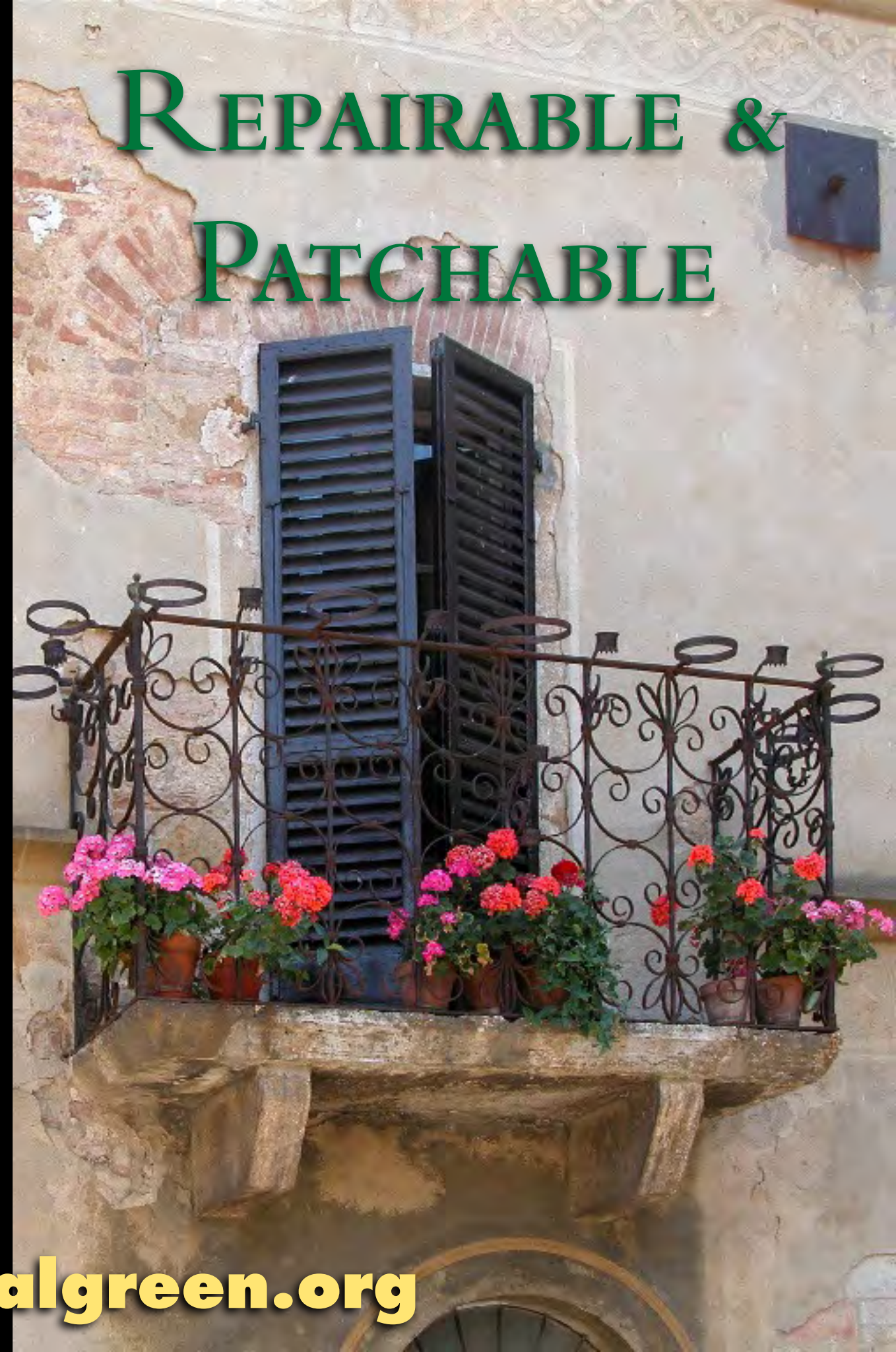


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**“No
Maintenance”**



**REPAIRABLE &
PATCHABLE**



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FLEXIBLE BUILDINGS

A low-angle photograph of a multi-story building with a slate roof and a small wooden balcony. Laundry is hanging on the balcony. The sky is clear blue.

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PROXIMITY TO STREET

A photograph of a street scene in London. The foreground shows a red brick building with a sign that reads "GREAT SMITH STREET SW1". The building has several windows, some of which are arched. The background shows a row of multi-story red brick buildings, typical of Victorian architecture. The sky is overcast.

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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

A photograph of a brick building with a curved bay window. The window is covered with white plastic sheeting, suggesting it is being protected or renovated. A green plant is visible in the lower left corner.

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SUSTAINABILITY *and the* MELTDOWN



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BE FRUGAL FIRST

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THEN BRIDGE THE GAP



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PUTTING BUILDINGS

BACK *to* WORK



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THE ORIGINAL GREEN

NOURISHABLE LOVABLE

ORGANIC
FARMING

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

PLACES

GREENING

WHAT CAN I DO?

10. ALL *the* OTHER STUFF

9. DON'T SUCCUMB *to the* NO-
MAINTENANCE MYTH

8. CHOOSE IT *for* LONGER THAN
YOU'LL USE IT

7. SMALLER *with* MANY USES

6. CHOOSE COMMUNITY INSTEAD
of GATES

5. OPERATE NATURALLY

4. RAISE *a* VICTORY GARDEN

3. BUILD OUTDOOR ROOMS

2. LIVE WHERE YOU CAN WALK *to*
the GROCERY

1. MAKE *a* LIVING WHERE YOU'RE
LIVING

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10. Do ALL *the* STUFF YOU
ALREADY KNOW



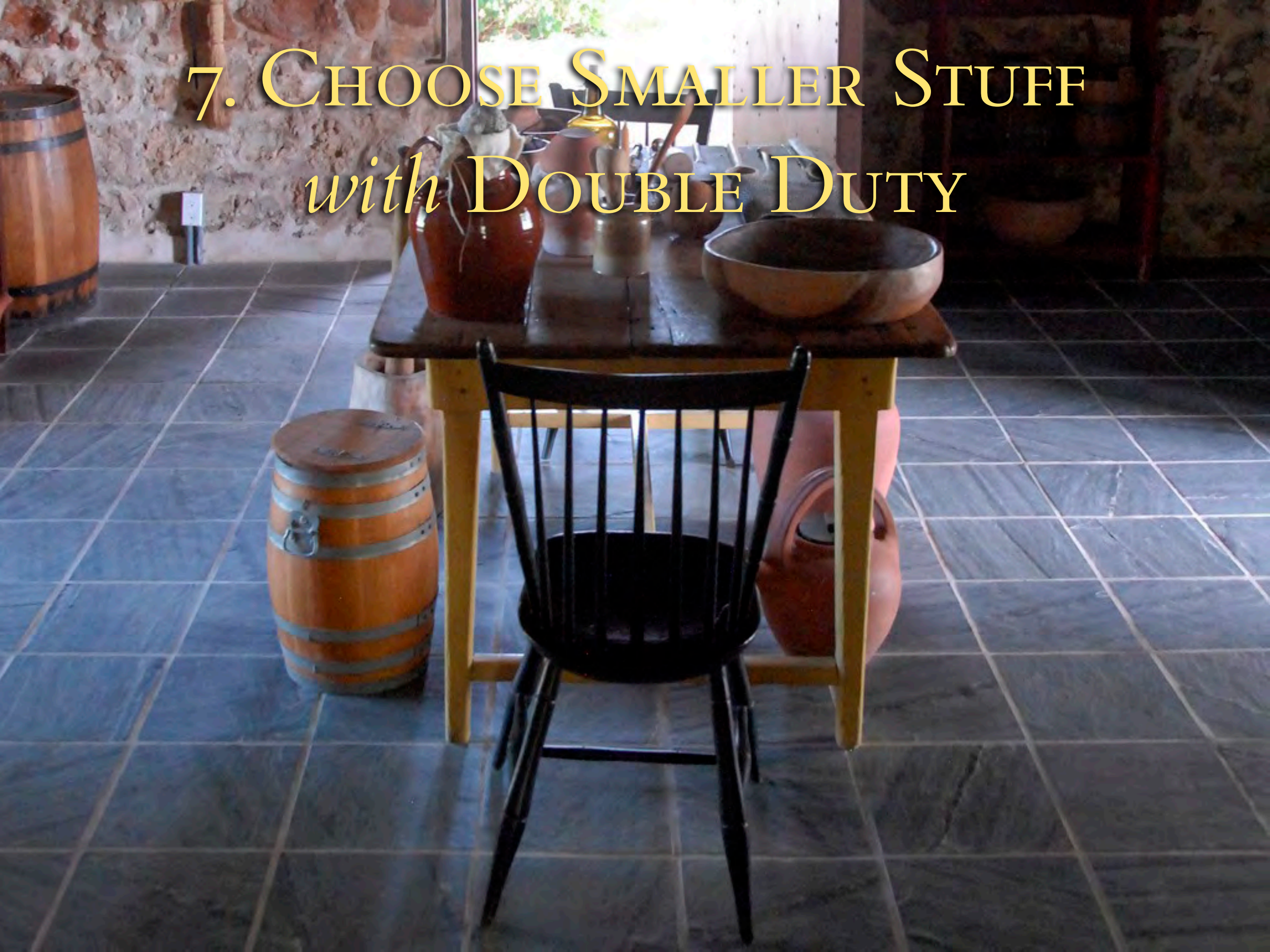
9. GIVE *a GIFT to the STREET*



8. CHOOSE IT *for* LONGER
THAN YOU'LL USE IT



7. CHOOSE SMALLER STUFF *with* DOUBLE DUTY



6. LIVE WHERE FRIENDS VISIT UNANNOUNCED



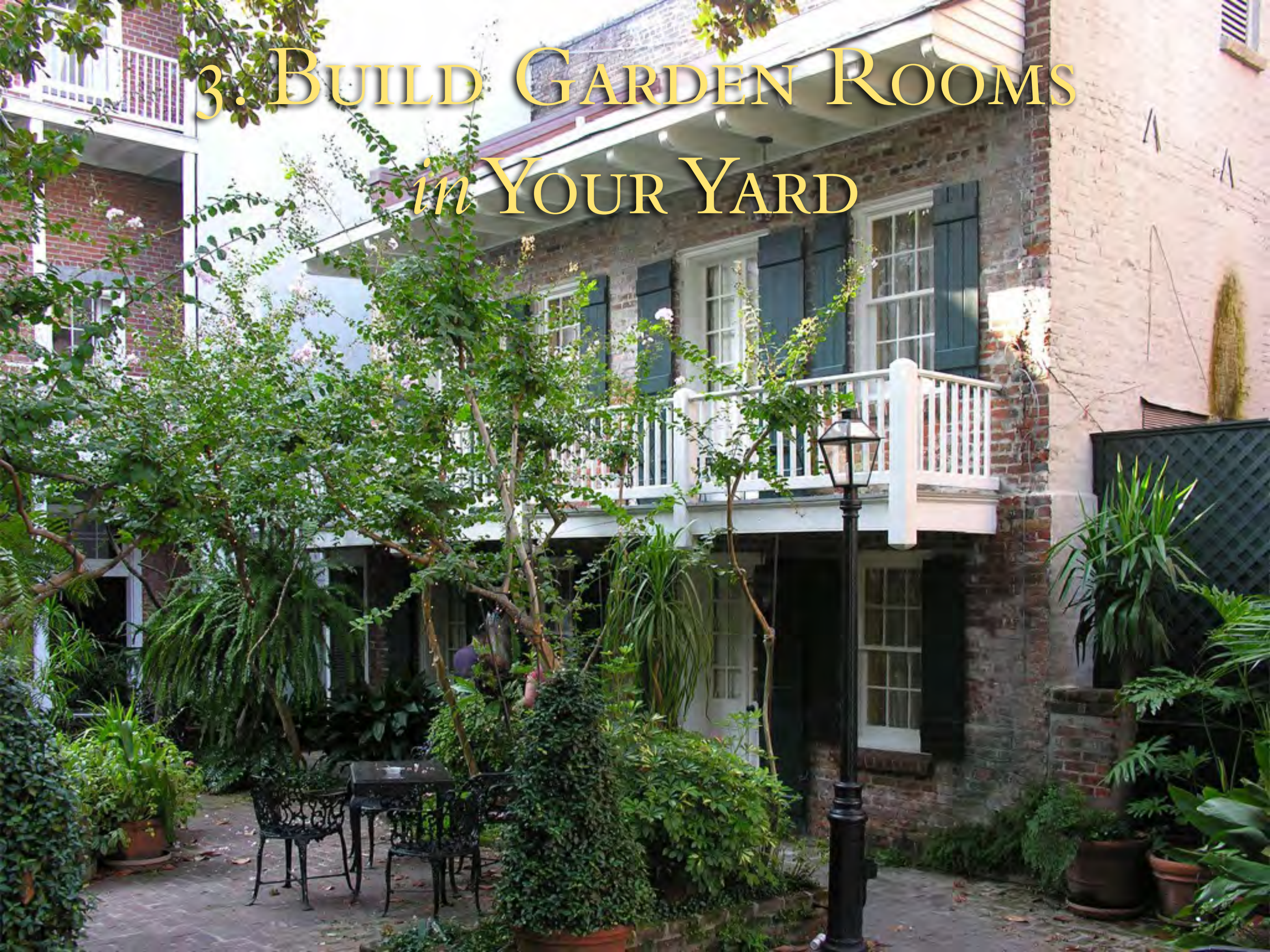
5. OPERATE NATURALLY



4. RAISE *a* VICTORY GARDEN



3. BUILD GARDEN ROOMS *in* YOUR YARD



2. LIVE WHERE YOU CAN WALK *to the* GROCERY



I. MAKE *a* LIVING WHERE YOU'RE LIVING



NEW STUFF



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ROSE TOWN



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BY TODAY'S BUILDERS



BY THEIR GRANDPARENTS



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To *the* PEOPLE



Of *the* PEOPLE



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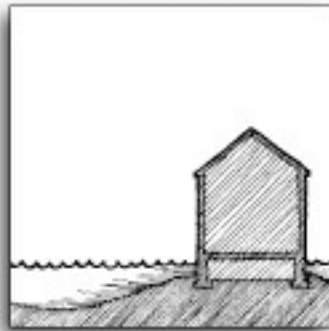
A photograph showing a blue wall with a white-painted quote. To the right is a green building with a white overhang. In the foreground, there is a stack of beer crates (Red Stripe, Heineken, Guinness) and a wooden stool. A large green tree is in the background.

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

A
L I V I N G T R A D I T I O N
★ B U I L D I N G I N R O S E T O W N ★

WHERE to BUILD

HIGHER GROUND

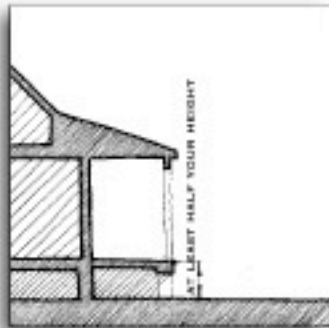


Build your house on higher ground so that the floods do not make you homeless.

HOW to BUILD

1 ★ BUILDING SHAPE & WALLS

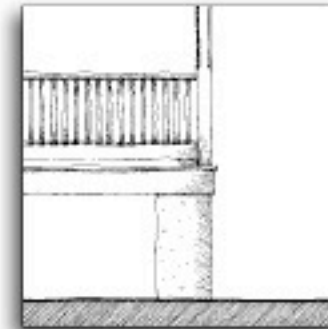
ABOVE THE FLOOD



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.

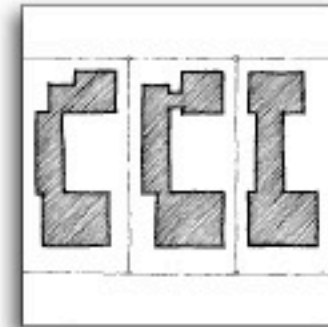
★ K I N G S T O N , J A M A I C A ★

STRONG FOUNDATION



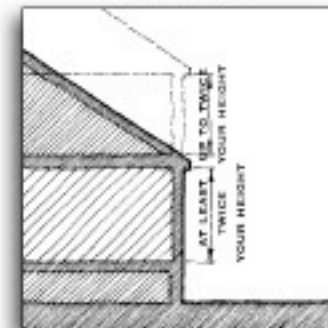
Build your foundation strong, with heavy columns of brick, block, or concrete so that logs and branches washing along in the flood do not smash your foundation and sweep your house away.

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.

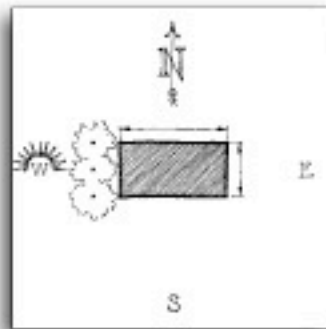
CEILING HEIGHT



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

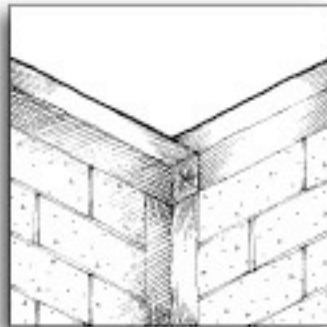
★ K I N G S T O N , J A M A I C A ★

WESTERN WALL



Build the wall where the sun sets as narrow as possible, then protect it from the hot, afternoon sun with bushes and louvered 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

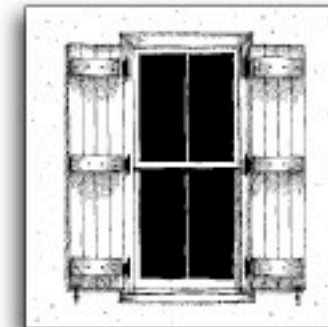


Build most of your house from materials available in Jamaica whenever possible so that you do not have to pay for shipping heavy materials from overseas.

* K I N G S T O N , J A M A I C A *

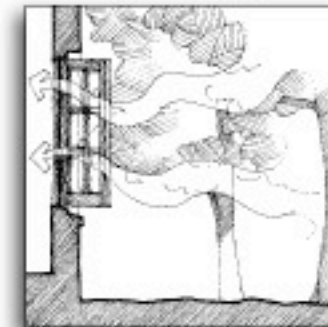
2 * DOORS & WINDOWS

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.

* K I N G S T O N , J A M A I C A *

3 ★ VERANDAHS & BALCONIES

STREET VERANDAH

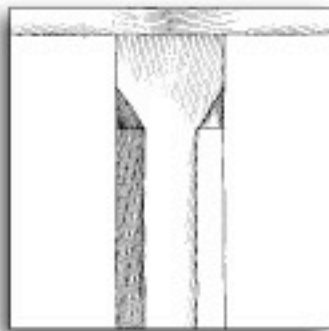


Build a verandah opening onto the street, because it is in sitting on the street verandah that you can both visit with your neighbors, and also take back your street from those who are behaving rudely or out of order.

BACK VERANDAH

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

BEVELED POSTS

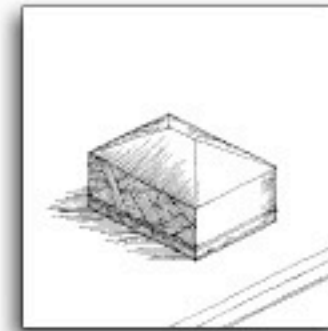


Bevel the corners of all your verandah posts so that they last longer and are more comfortable to lean against.

★ K I N G S T O N , J A M A I C A ★

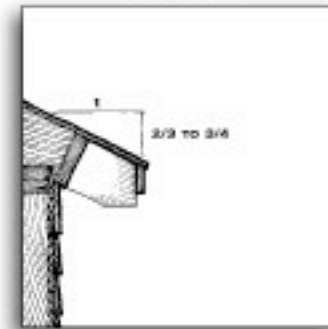
4 ★ EAVES & ROOFS

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 $\frac{2}{3}$ to $\frac{3}{4}$ of its width, from ridge to eave, so that it will be strongest in a storm.

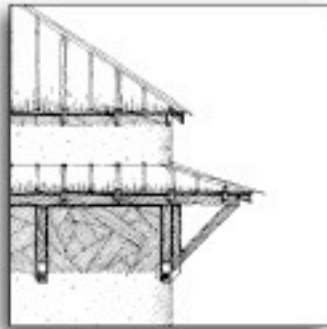
★ K I N G S T O N , J A M A I C A ★

ROOF OVERHANG



Let your roof overhang your wall a very short distance so that the hurricane has less eave 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.

* KINGSTON, JAMAICA *

HIGH VENT



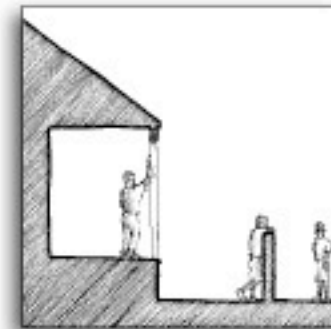
Build a high vent near the center of your house so that the hot air near your ceiling can escape, pulling cooler air in your windows.

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 verandah.

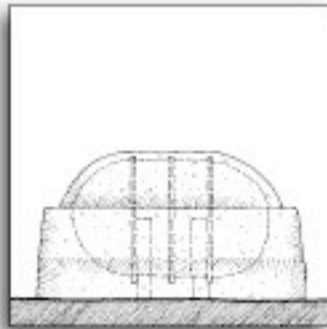
* KINGSTON, JAMAICA *

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



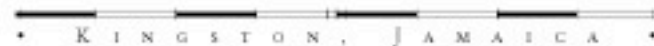
Build rain troughs or gutters around your roof and store the rainwater in a cistern where you can use it later.

BATHING

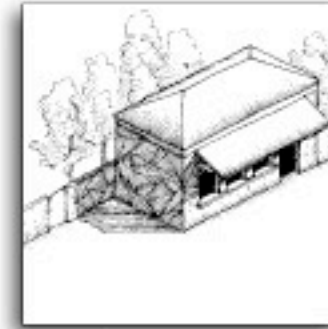
Build at least one bath in every yard so that the people living in that yard can clean themselves.

SEWAGE

Do not release sewage into the ground before digesting it in a septic tank so that you do not further contaminate Rose 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?



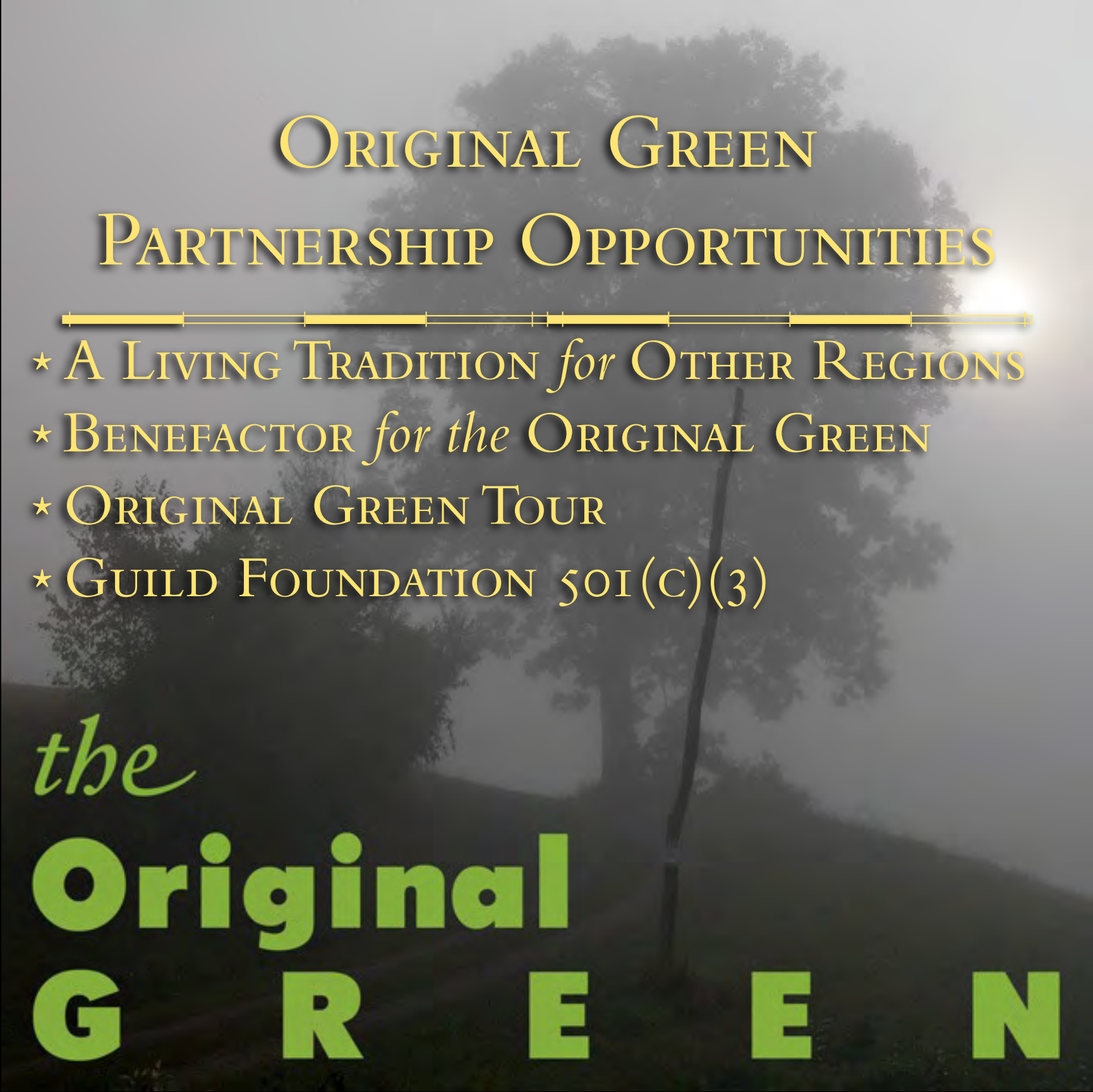


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