Houston Tomorrow's 2036 Vision

On its 200th birthday, the Houston region is home to the healthiest, happiest, most prosperous people in the United States.

HoustonTomorrow

An institute for research, education, and discussion

Distinguished Speaker

Steve Mouzon

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The Original Green

Houston Tomorrow

Houston
12 January 18

Stephen A. Mouzon, AIA CNU LEED
The New Urban Guild
Miami Beach, Florida, USA

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Keeping Things for the
Long Run
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How Things Operate

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Lots *of* Controls

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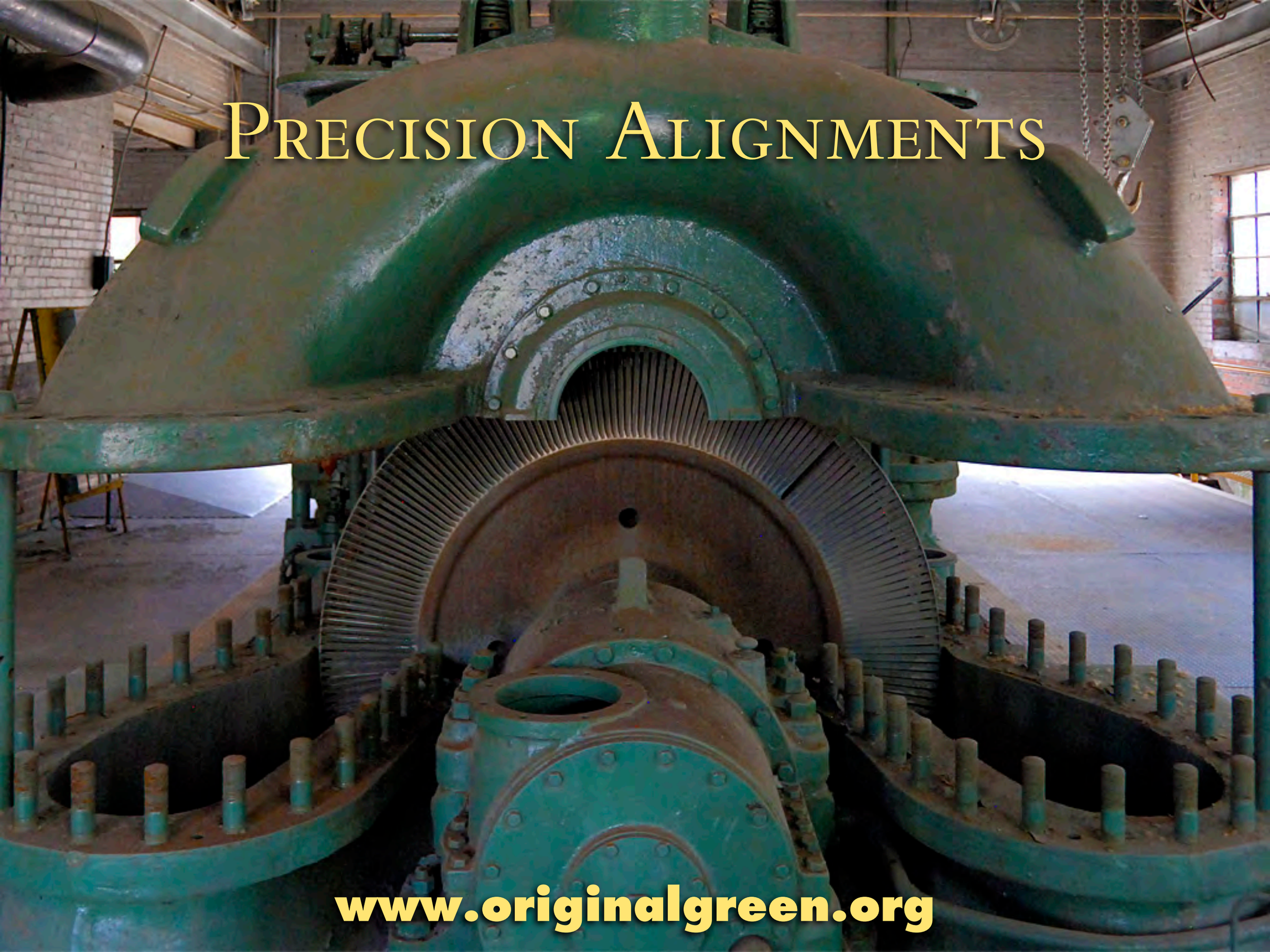
Precision Alignments
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Massive Use *of* Energy

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How Things Grow
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Things *that have* Life

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Where They *can* Thrive
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How We Get There

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How We Participate

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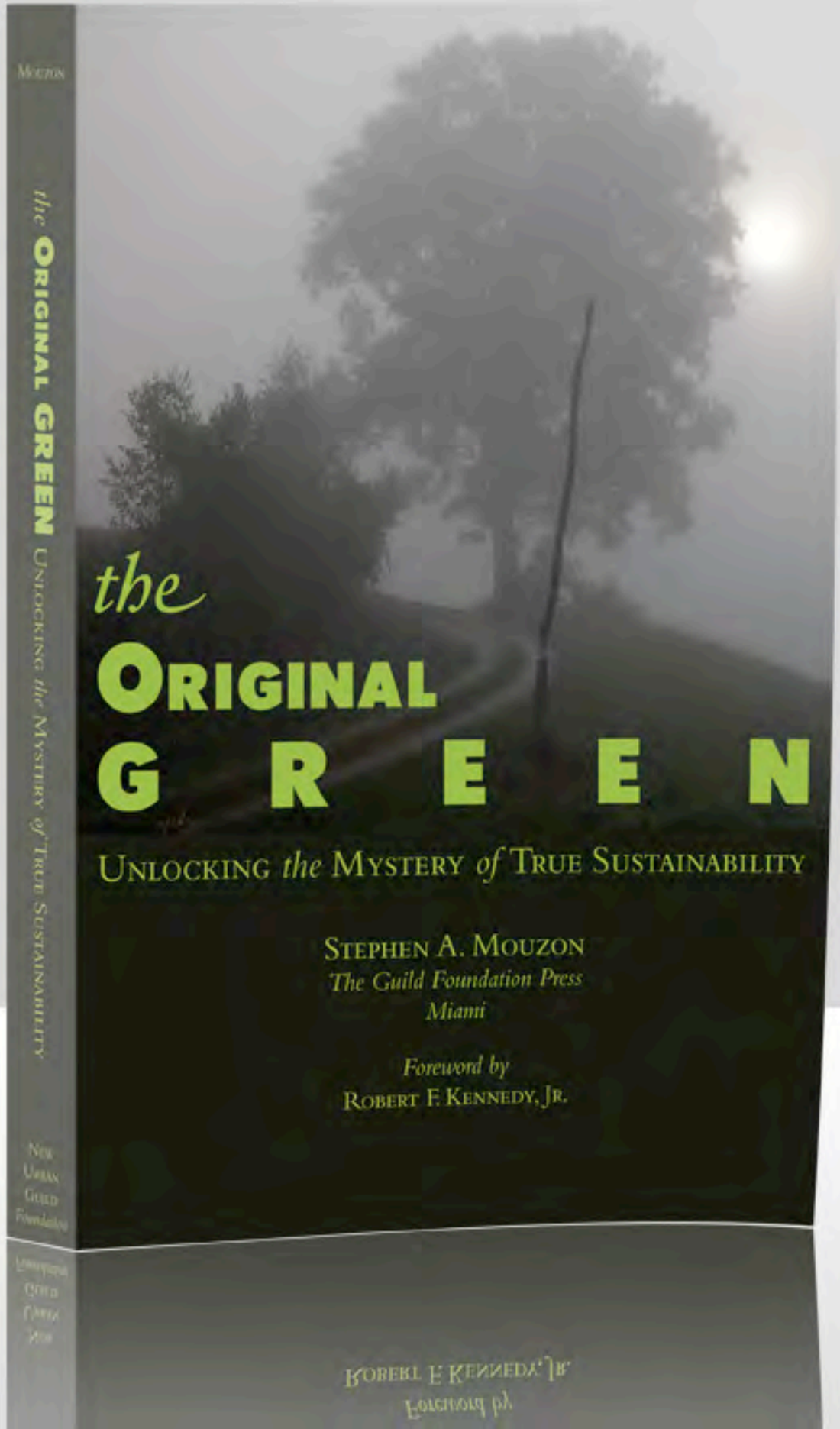
the ORIGINAL GREEN
UNLOCKING the MYSTERY of TRUE SUSTAINABILITY
STEPHEN A. MOUZON
The Guild Foundation Press
Miami
Foreword by
ROBERT F. KENNEDY, JR.

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

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10. *the* Absence *of* Plain-Spoken Sustainability

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9. *the* Danger *of* Wishes

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8. *the* Dilemma *of* Global Warming

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6. *the* Problem of Growth

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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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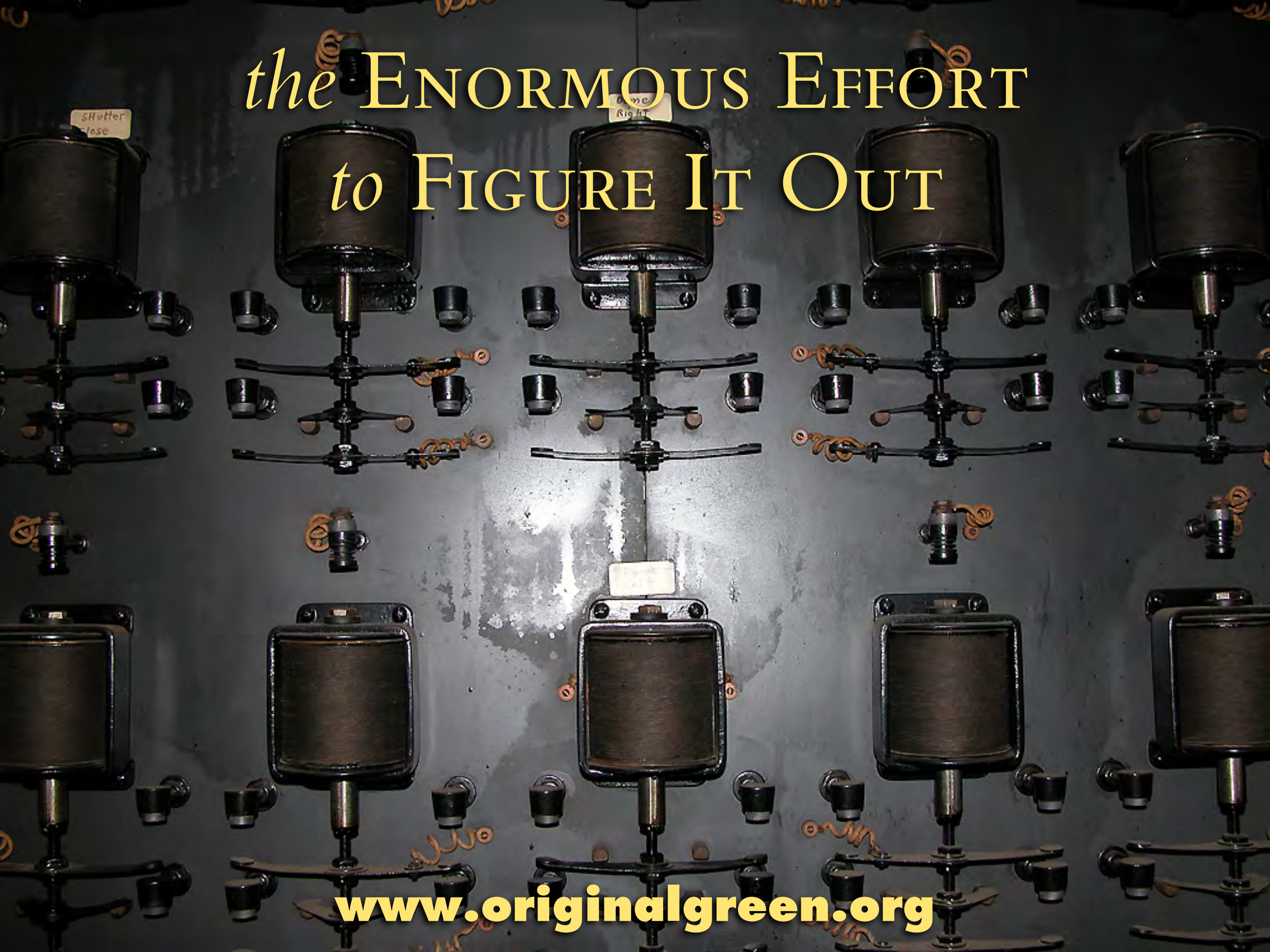
the Enormous Effort *to* Figure It Out



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3. *the* Carbon Focus

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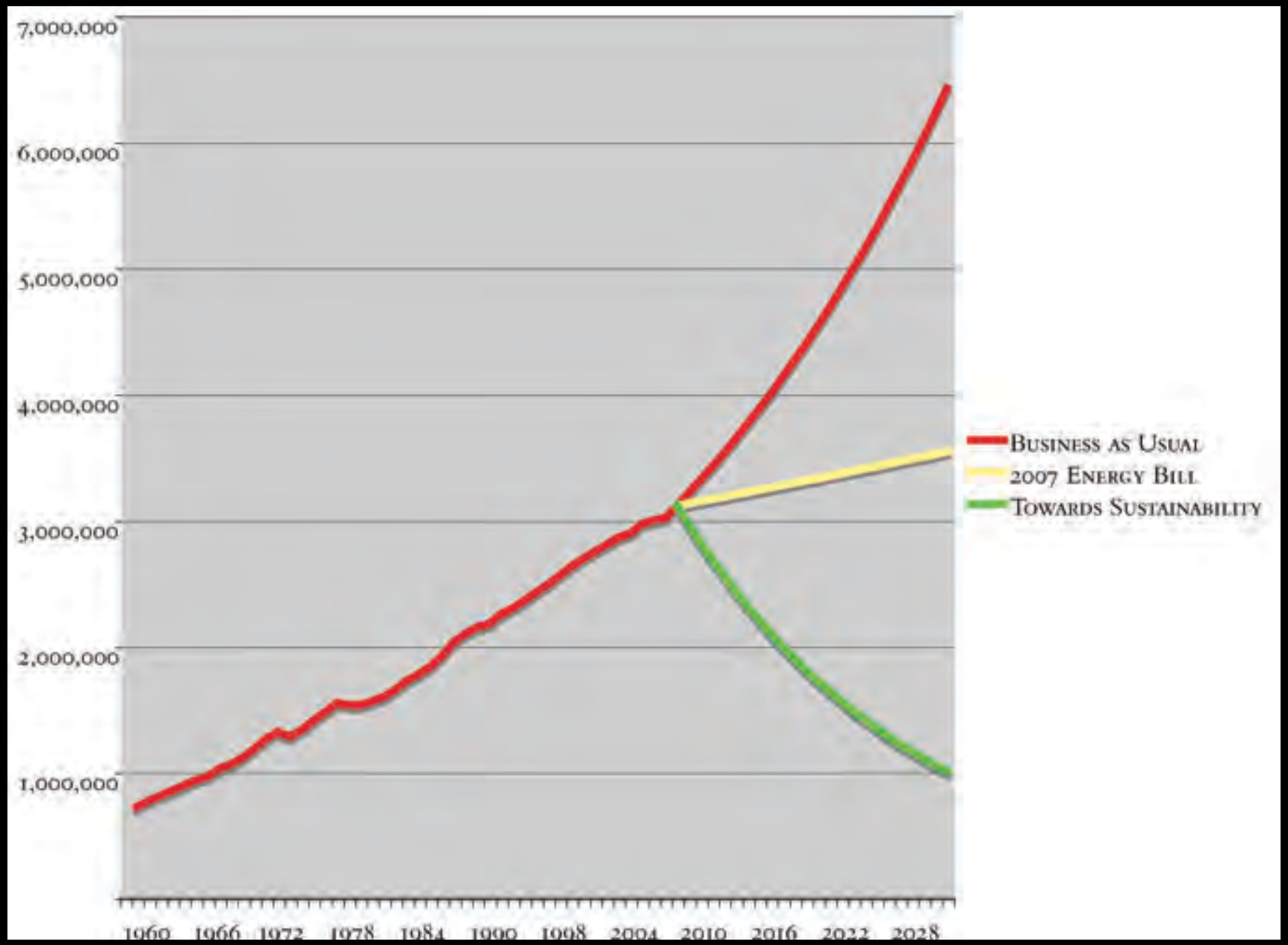
2. *the* Supply-Side Focus



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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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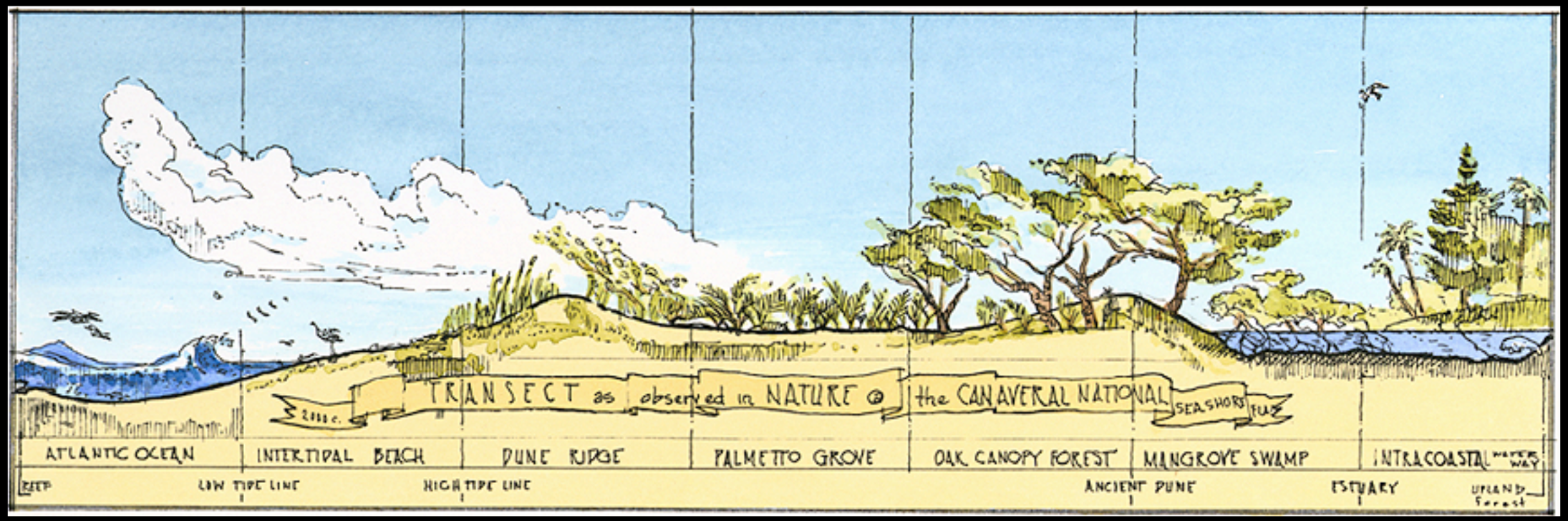
8. *the* Diversified Environment

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.



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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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6. *the* Expanded Uses

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5. *the* Narrowed Resource Range

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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

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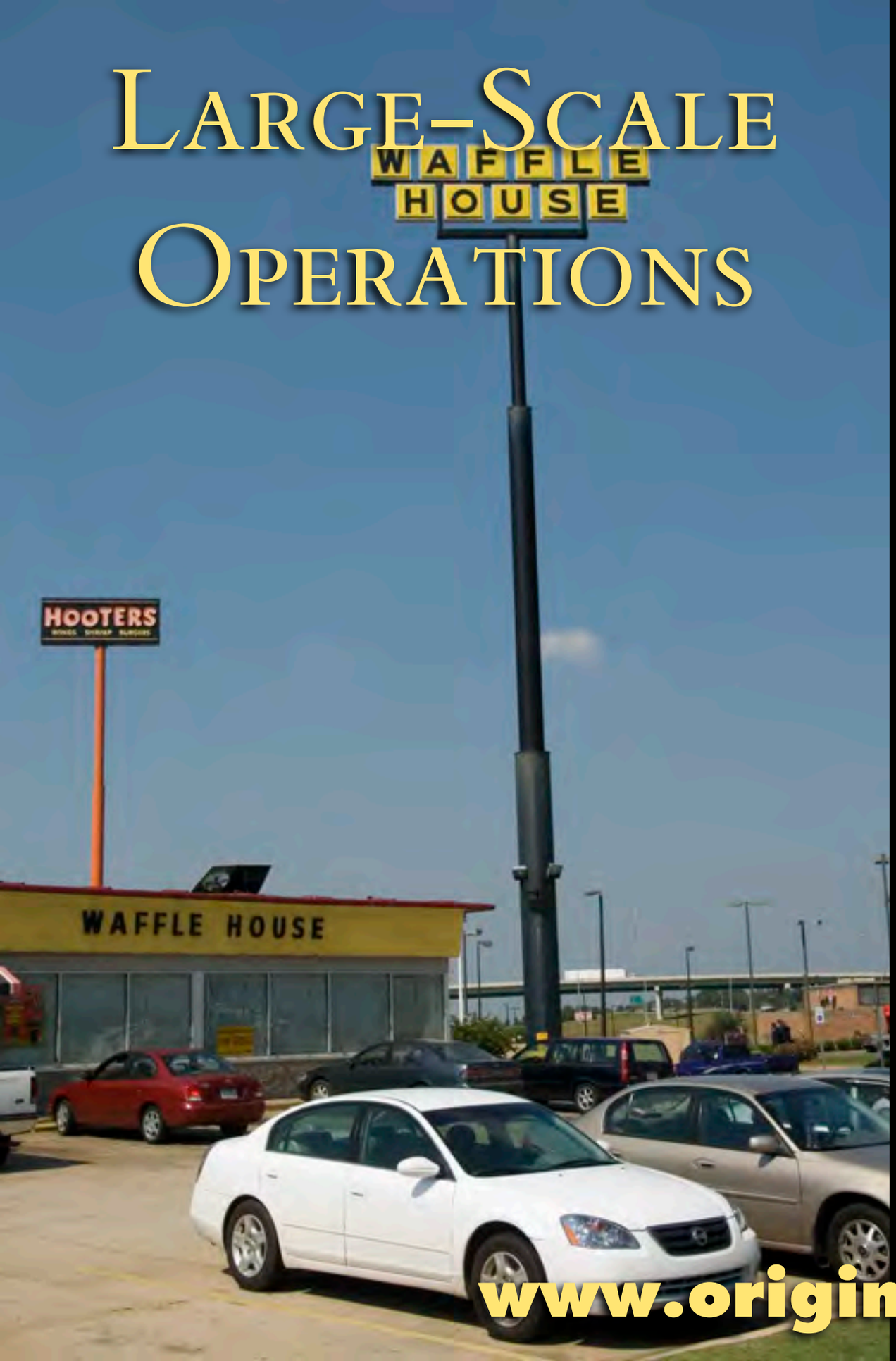
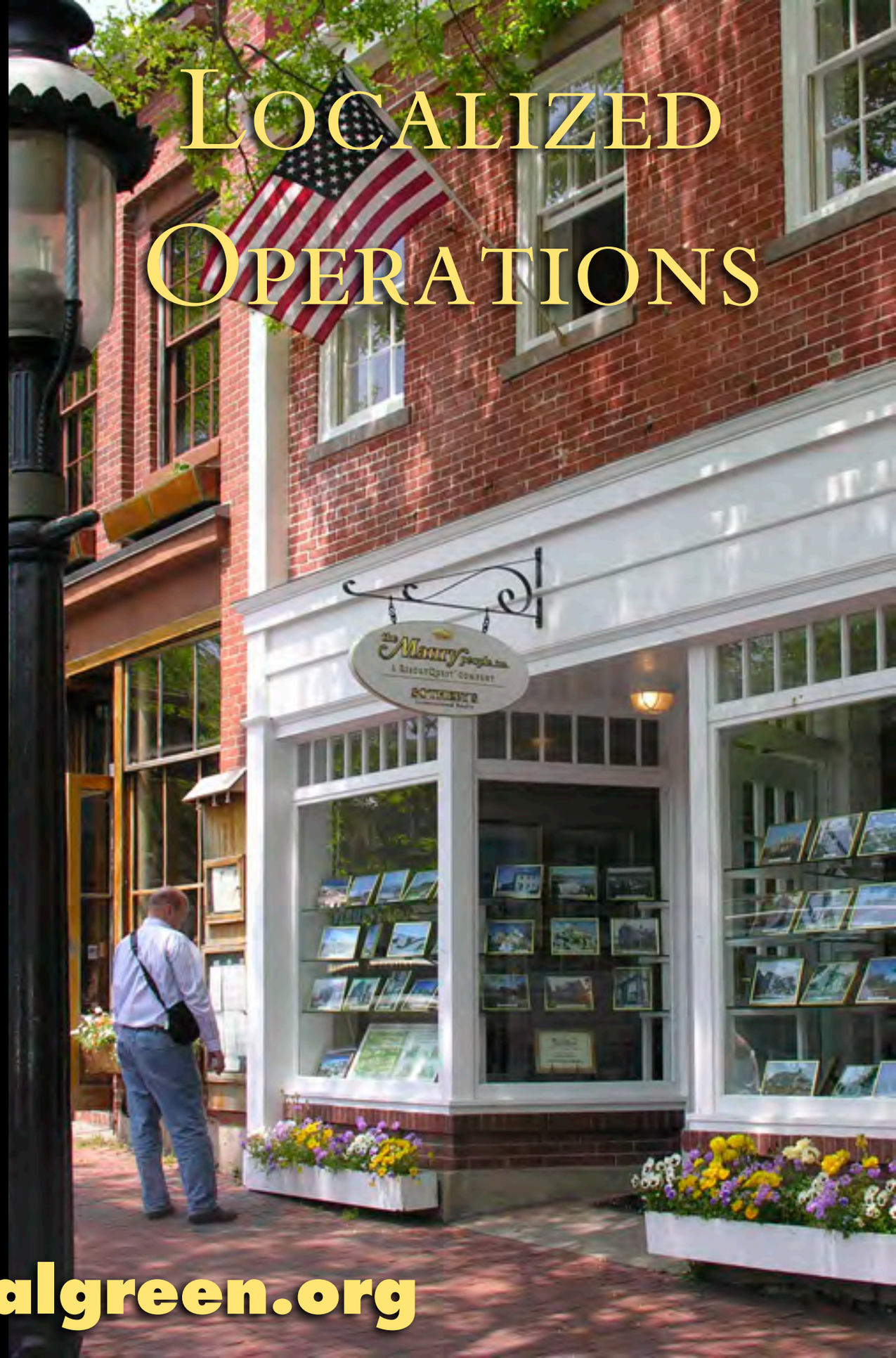
Large-Scale Operations



Localized Operations



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Web *of* Daily Life

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Park
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Post
Office
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Doctor
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Accountant
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www.originalgreen.org

Vitamins
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Groceries
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Groceries
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Hardware
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Bookstore
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Apple Store
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Restaurants
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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

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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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1. *the* Involvement *of* Everyone

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What Is A Living Tradition?

- ★ Insight
- ★ Resonance
- ★ Repetition
- ★ Adoption

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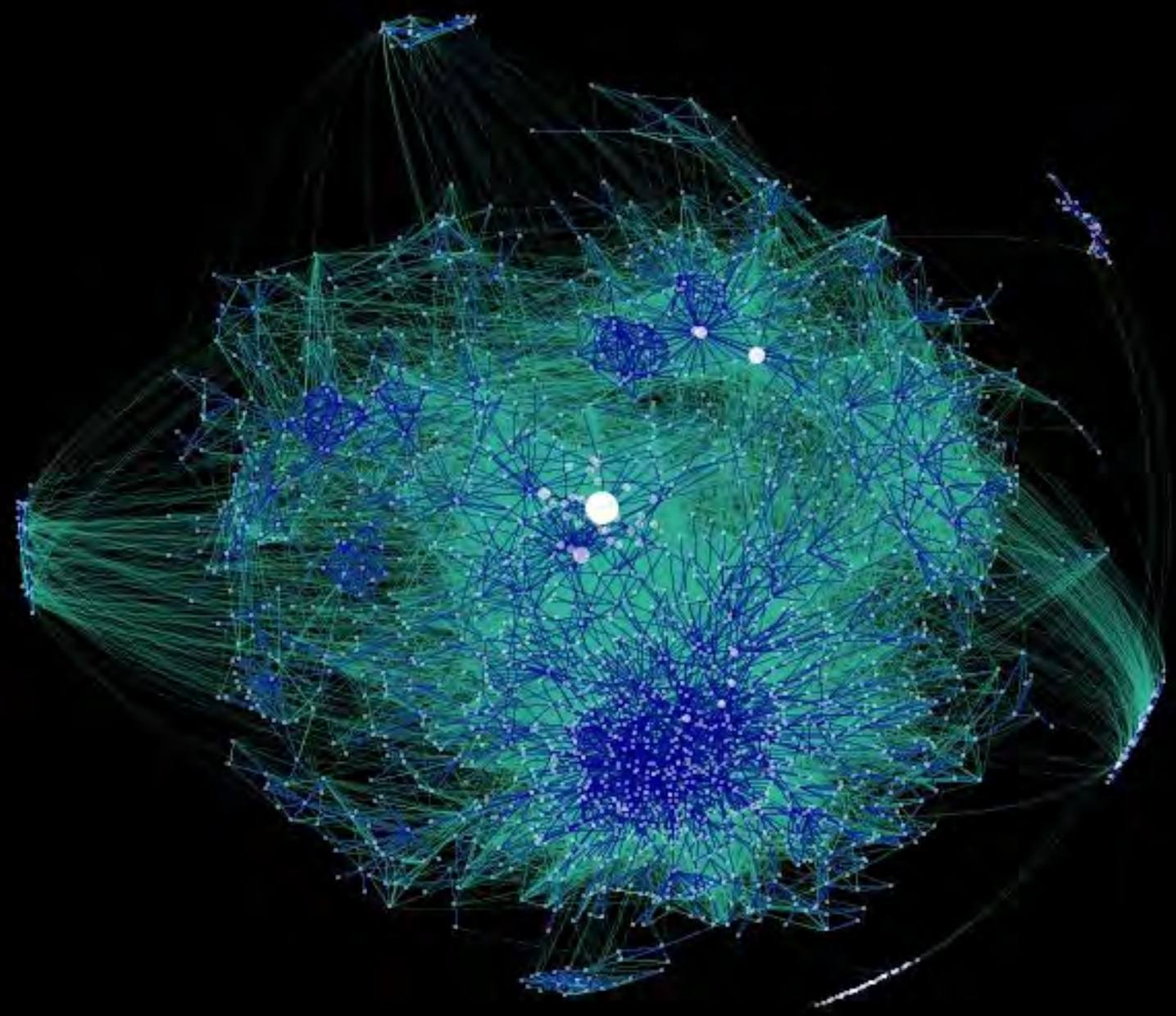
Toward *a* Living Tradition

- ★ Insight
- ★ Cause
- ★ Movement
- ★ Living Tradition

Image Source: http://msa4.wordpress.com



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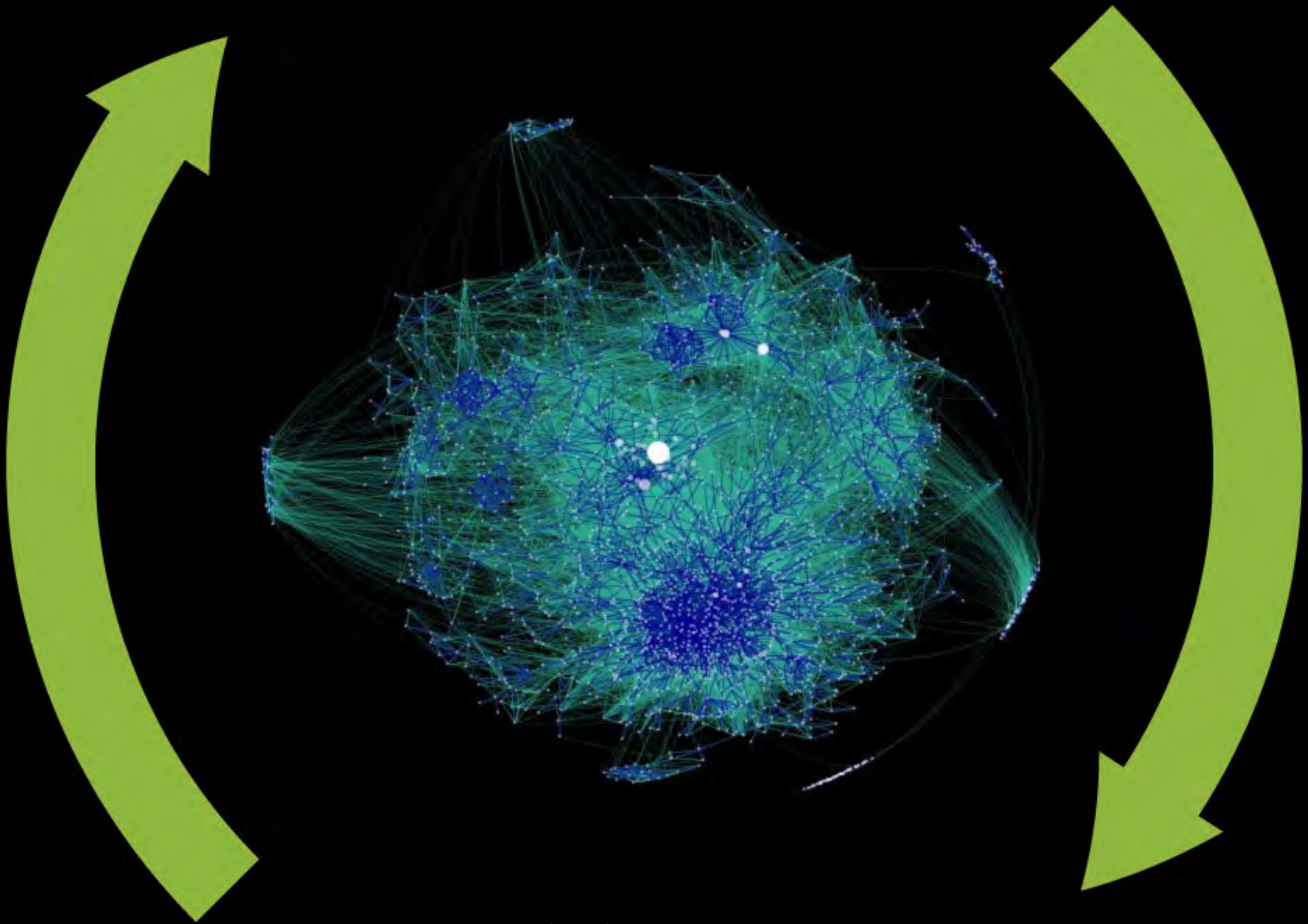

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Gizmo Green
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"This is how we build here"
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Christmas Box
BROADWAY DOLLS & BEARS
OLIVE BRANCH BED & BREAKFAST GUEST HOUSE
PATHLOW GUEST HOUSE BED & BREAKFAST
30

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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The Original Green

PLACES

NOURISHABLE LOVABLE

ACCESSIBLE DURABLE

SERVICEABLE FLEXIBLE

SECURABLE FRUGAL

BUILDINGS

Nourishable Places
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Tightly-Embedded
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Opportunistic
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Slope-Adaptable
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Multi-Layered
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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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Employing Farm
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Family Farm
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Allotment Garden
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Edge Yard (Front Yard) Garden

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Courtyard Garden
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Roof *or* Terrace Garden

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Arbor Garden
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Wall Garden
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Balcony Garden
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Window Garden

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Farmer's Market
BABY RED POTATOES
2 00 LB
KALE
FRESH TENDER ASPARAGUS
2 50 LB
2 95 LB
60¢
60¢
3 99 A POUND
99¢ LB
2 99 LB
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Accessible Places
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Walkability: Alleys

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Walkability: Frontages

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Walkability: Porches

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Serviceable Places

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Knitting It Together
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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
7
7
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SW 140 CT
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Lovable Buildings

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Down *the* Unlovable Carbon Stair-Steps

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BEAUTY *or* LOVABILITY?
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Beauty *or* Lovability?

- ★ Admiration
- ★ Action
- ★ Breadth

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Three Sources *of* Lovability

- ★ Things *that* Reflect Us
- ★ Things *that* Delight Us
- ★ Things *that* Put Us *in* Harmony

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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

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Things *that* Delight Us

- ★ Sensual
- ★ Group
- ★ Memory
- ★ Intellectual
- ★ Sheltering
- ★ Challenging

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Things *that* Put Us *in* Harmony

- ★ Mathematical
- ★ Simplicity
- ★ Authenticity
- ★ Natural Processes
- ★ Natural Laws
- ★ Natural Forms
- ★ Harmony *with the* Region

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Durable Buildings

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Game-Changers

- ★ Commodities vs. Proprietary Products
- ★ Repairable & Patchable
- ★ Attachment
- ★ Stretching Carbon
- ★ Materials
- ★ Instructed Operation
- ★ Margin of Error
- ★ Timeframe

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Commodities vs. Proprietary Products

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Getting Commoditized

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More Complication = More Coordination Problems

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Empire State Building
15 Months Design & Build

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Proprietary Products

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Repairable & Patchable
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No Maintenance = Maintenance-Proof

Charming Patched

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Attachment to Shell

- ★ Masonry
- ★ Frame
- ★ Curtain Wall

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Interior Attachment

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Stretching Carbon
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Materials

- ★ Aging
- ★ Threats
- ★ Sources

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Aging

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What Will Your Building Look Like as a

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Threats

- ★ Rot & Rust
- ★ Mold & Mildew
- ★ Wind
- ★ Fire
- ★ Flood

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Rot & Rust

- ★ Wood
  - ★ Species
  - ★ Grain, Now & Then
  - ★ Pressure-Treating Chemicals
  - ★ Glass Infusion
- ★ Steel
  - ★ Steel-Reinforced Concrete
  - ★ Galvanized vs. Stainless

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Strength vs. Durability

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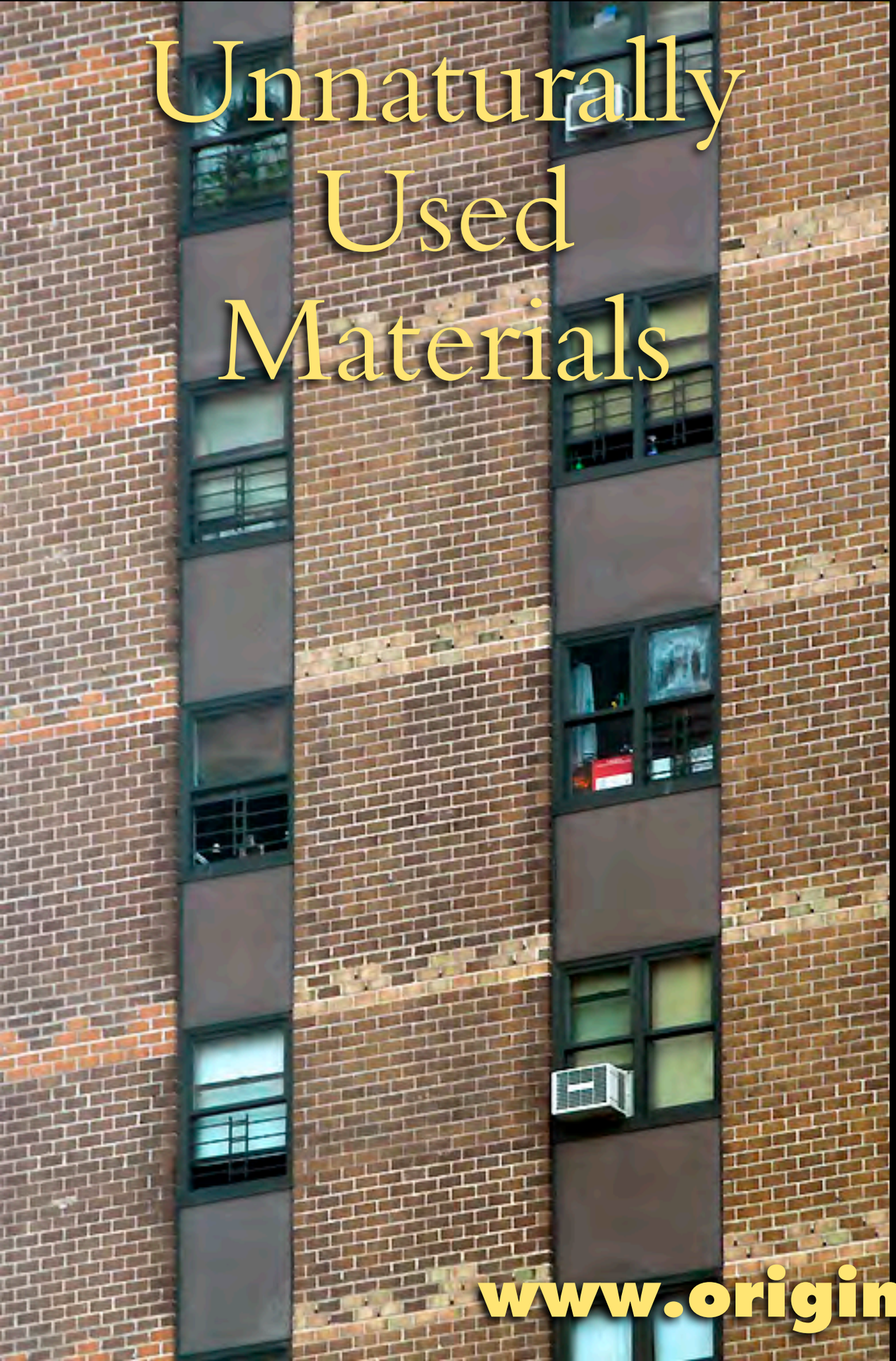

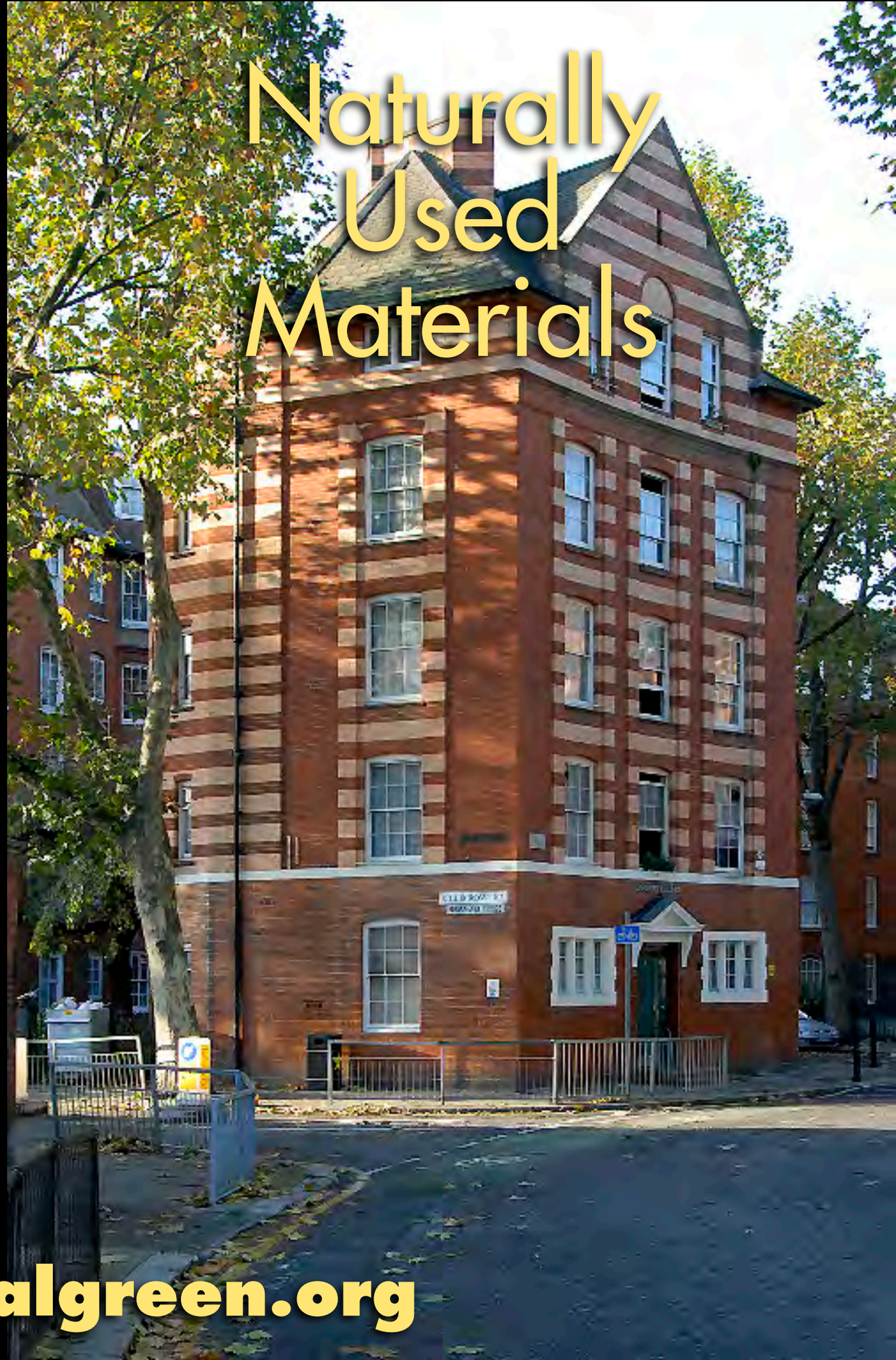

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Mold & Mildew

- ★ Concealed Spaces
- ★ Insulated Roofs
- ★ Insulated Crawl Spaces

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Carving Into Walls

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Carving Into Roofs

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Carving Into Ceilings

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Carving Into Porch Ceilings

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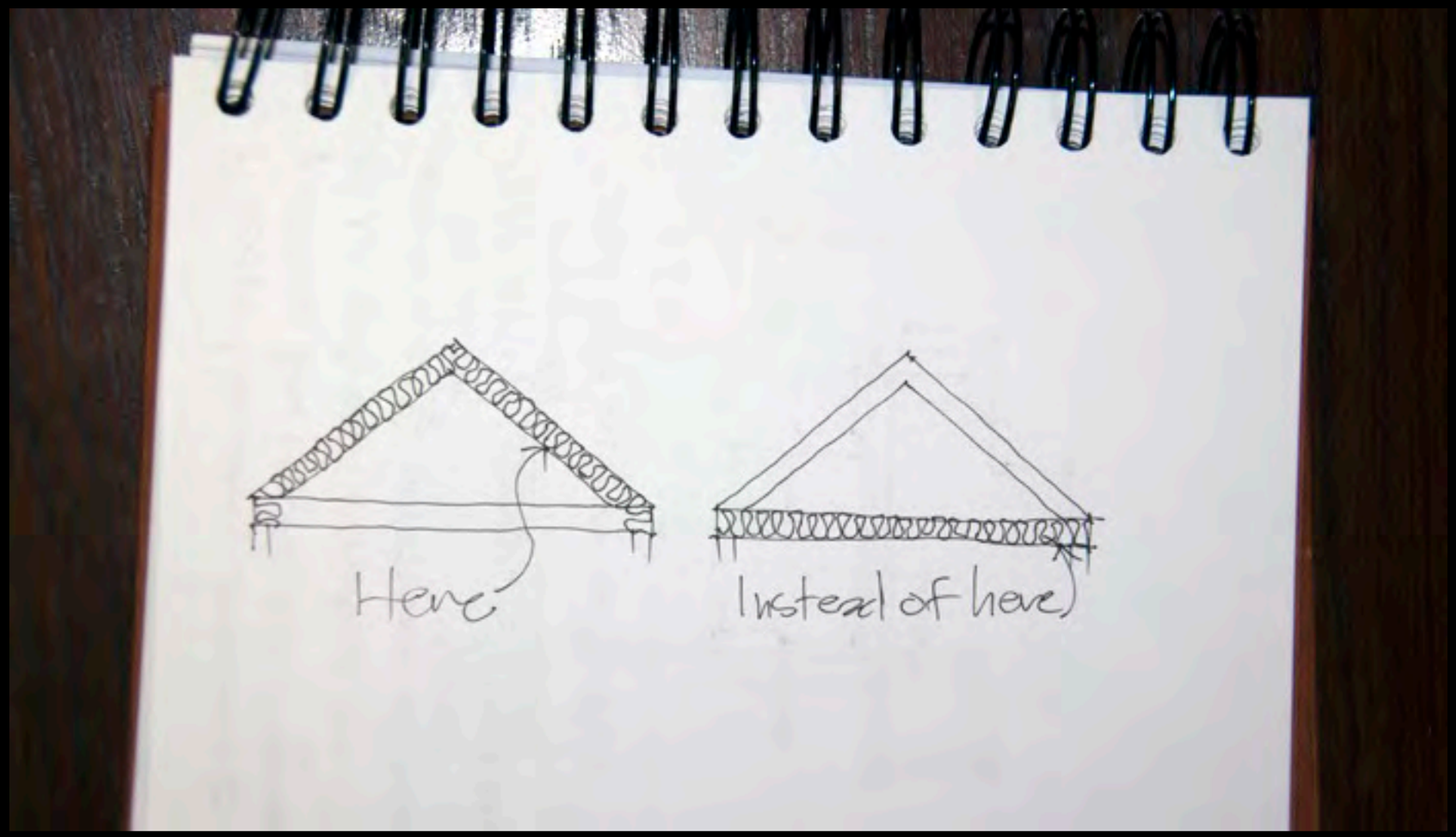
Insulated Roofs



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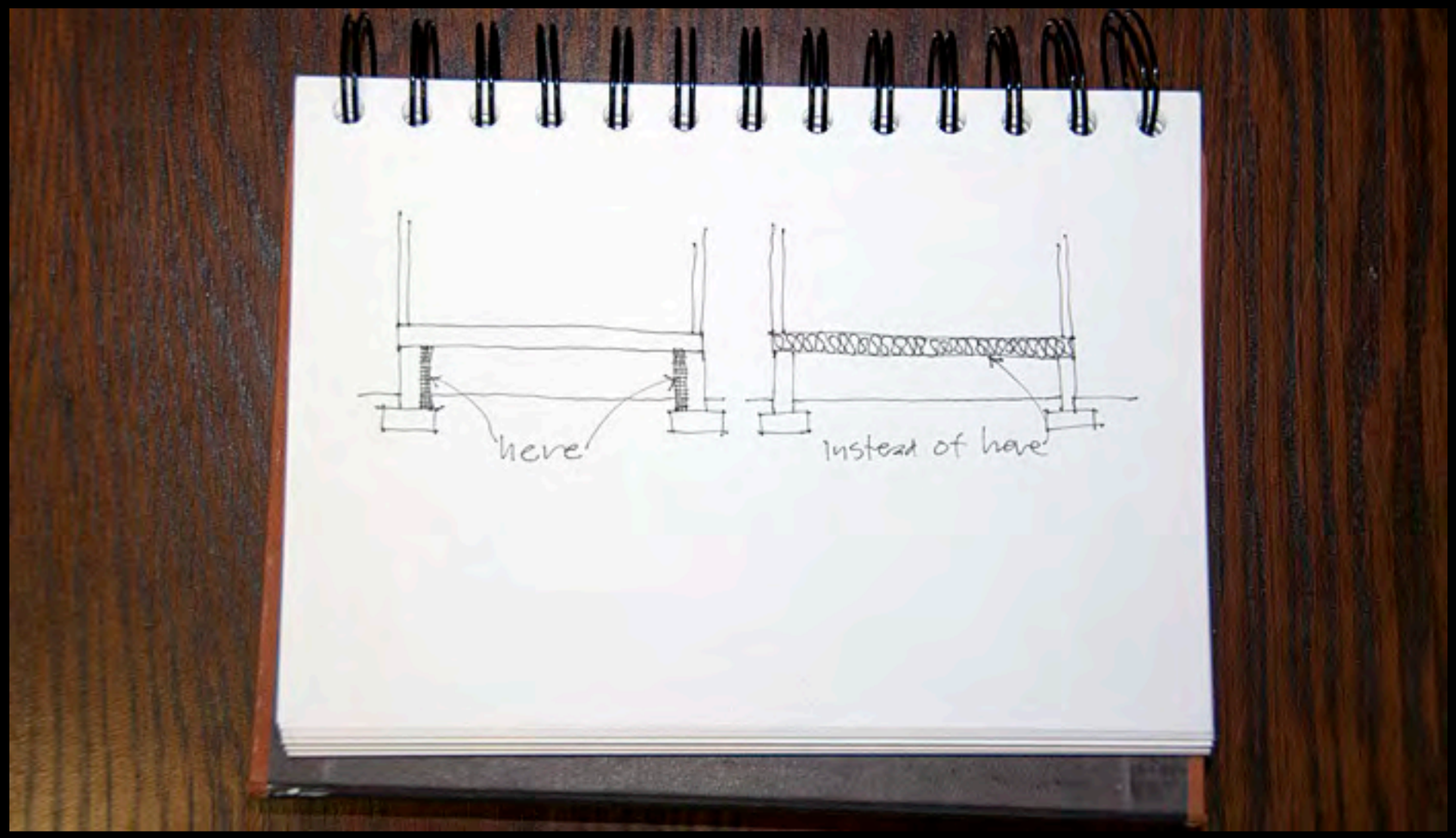
Insulated Crawl Spaces



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Wind

- ★ Hurricane
- ★ Tornado

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Fire

- ★ Plastic & Vinyl
- ★ Wood
- ★ Steel
- ★ Concrete
- ★ Stone

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Flood

- ★ Finishes
  - ★ Gypsum Board
  - ★ Carpet
- ★ Substrates
  - ★ Particle Board/Wafer Board
  - ★ Plywood
- ★ Structure

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Storm Surge

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Material Sources

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Regional Materials

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Instructed Operation

Self-Evident Operation

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Margin of Error

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Timeframe

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Preserving Memory

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Flexible Buildings

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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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Game-Changers

- ★ Condition People First
- ★ Smaller & Smarter
- ★ Light Wings
- ★ Less Processing
- ★ Recycle vs. Reuse
- ★ Multiple Uses vs. Redundancy
- ★ Discarding Interior Conventions
- ★ Putting Buildings Back to Work

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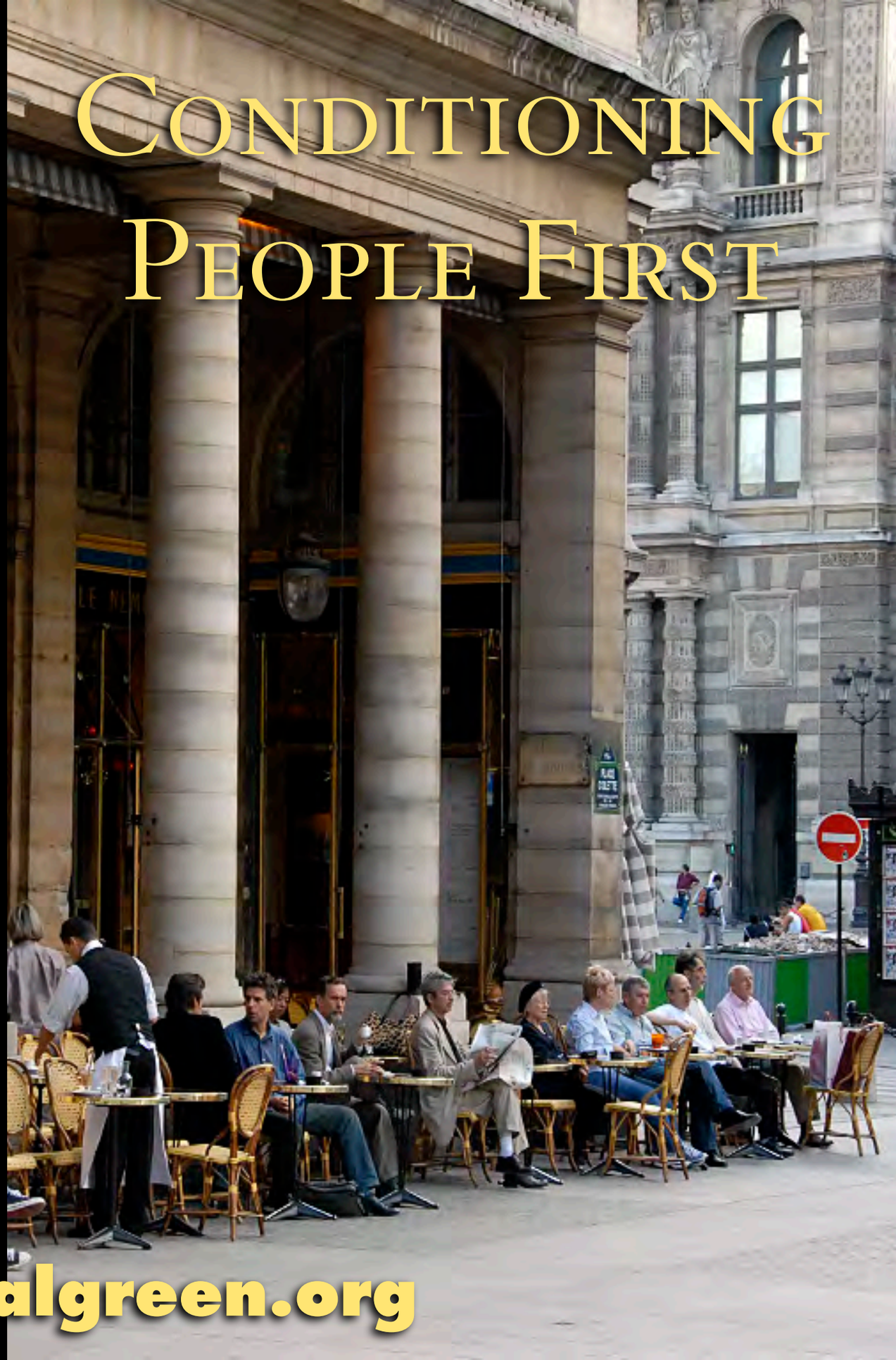
Conditioning Buildings First

Conditioning People First



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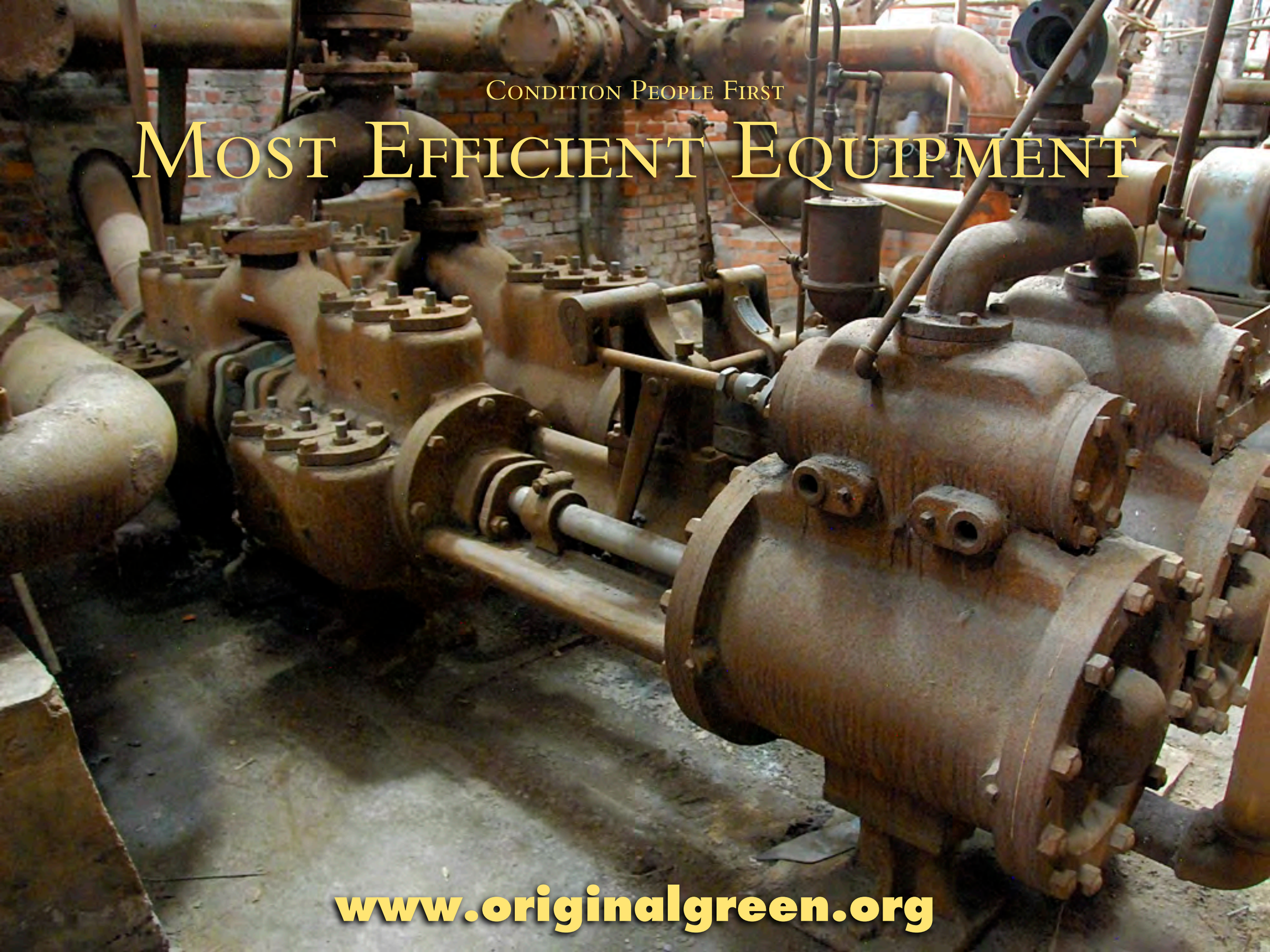

Condition People First

Most Efficient Equipment

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Condition People First

Beyond Heating & Cooling

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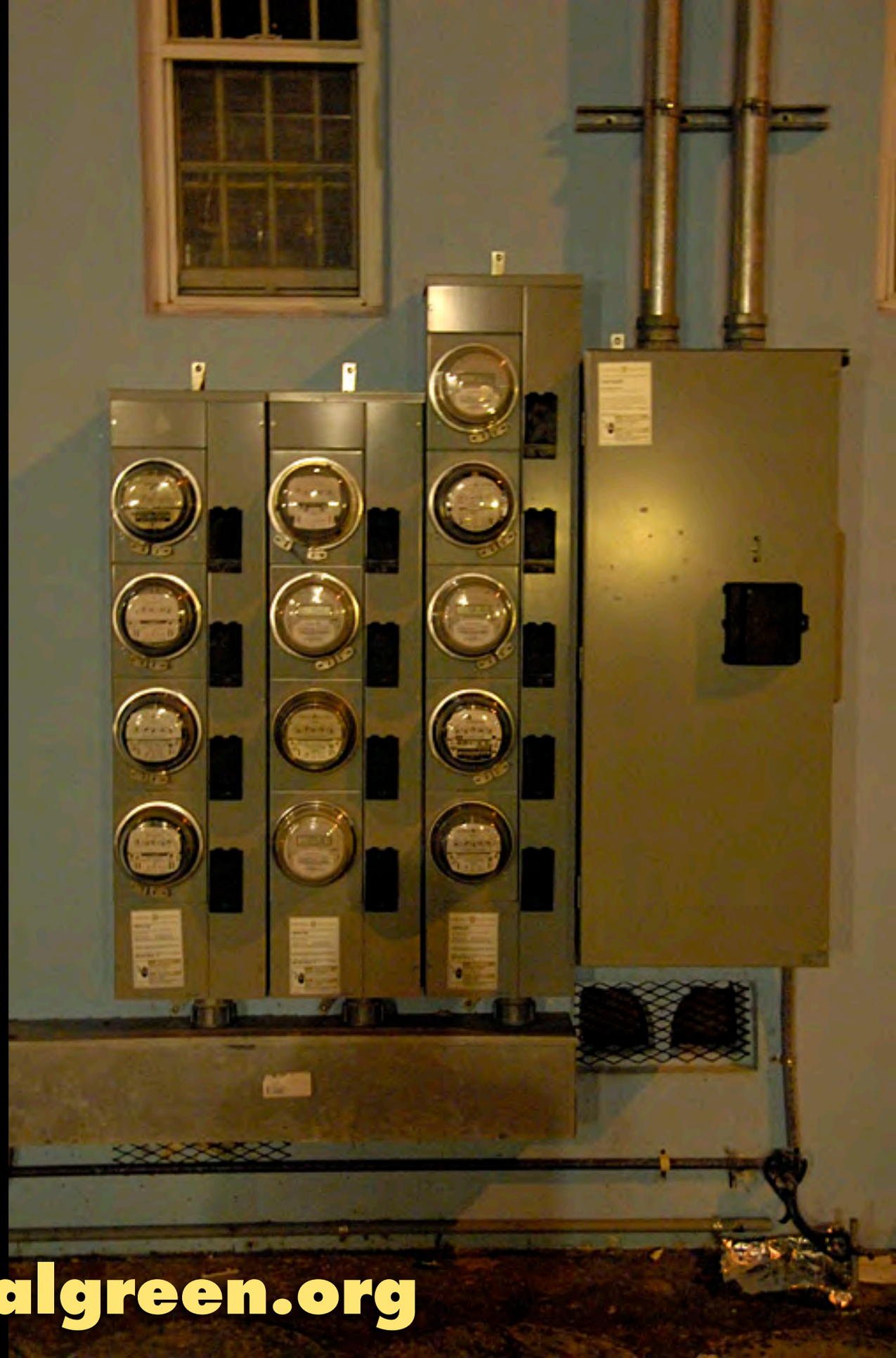

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Condition People First

Public Realm

- ★ Streets
- ★ Plazas
- ★ Squares
- ★ Greens
- ★ Parks
- ★ Playgrounds

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Condition People First

Private Realm

★ Courtyards

★ Gardens

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Smaller & Smarter

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Smaller & Smarter

Double the Size – Half the Family

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Smaller & Smarter

Small is the New Luxury

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Smaller & Smarter

Expandability

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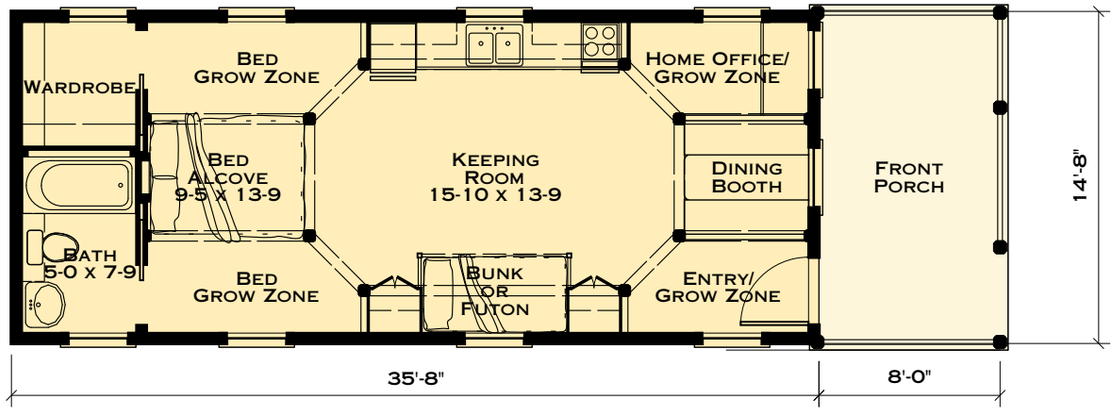
Smaller & Smarter

Katrina Cottage VIII



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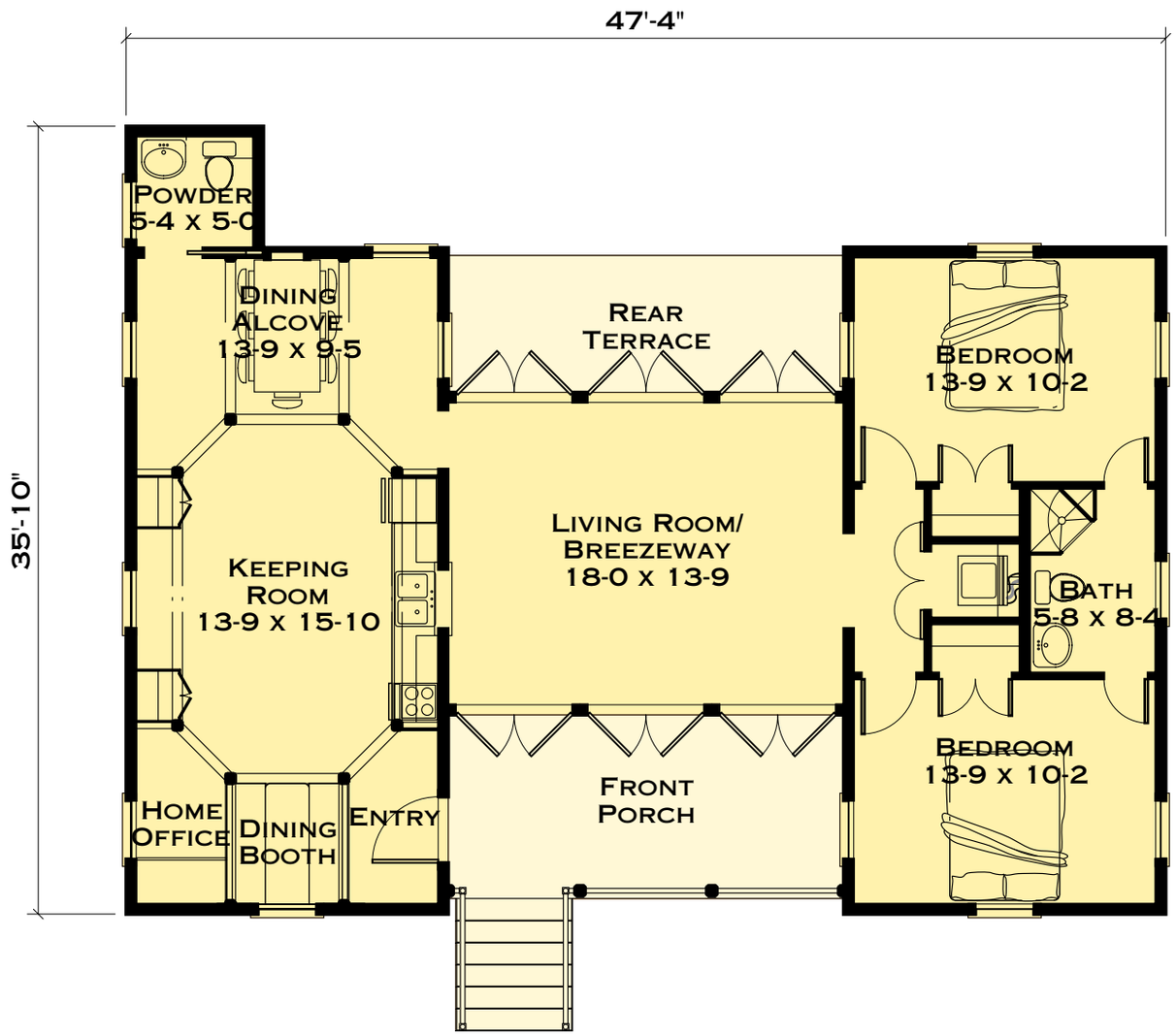
Smaller & Smarter

Breezeway Expansion



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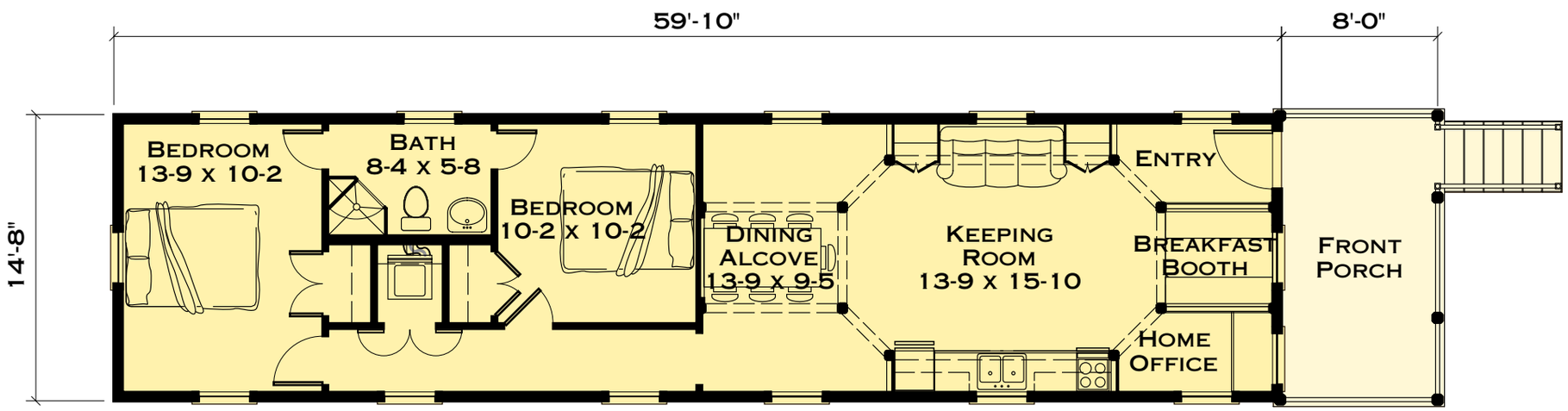
Smaller & Smarter

Shotgun Expansion



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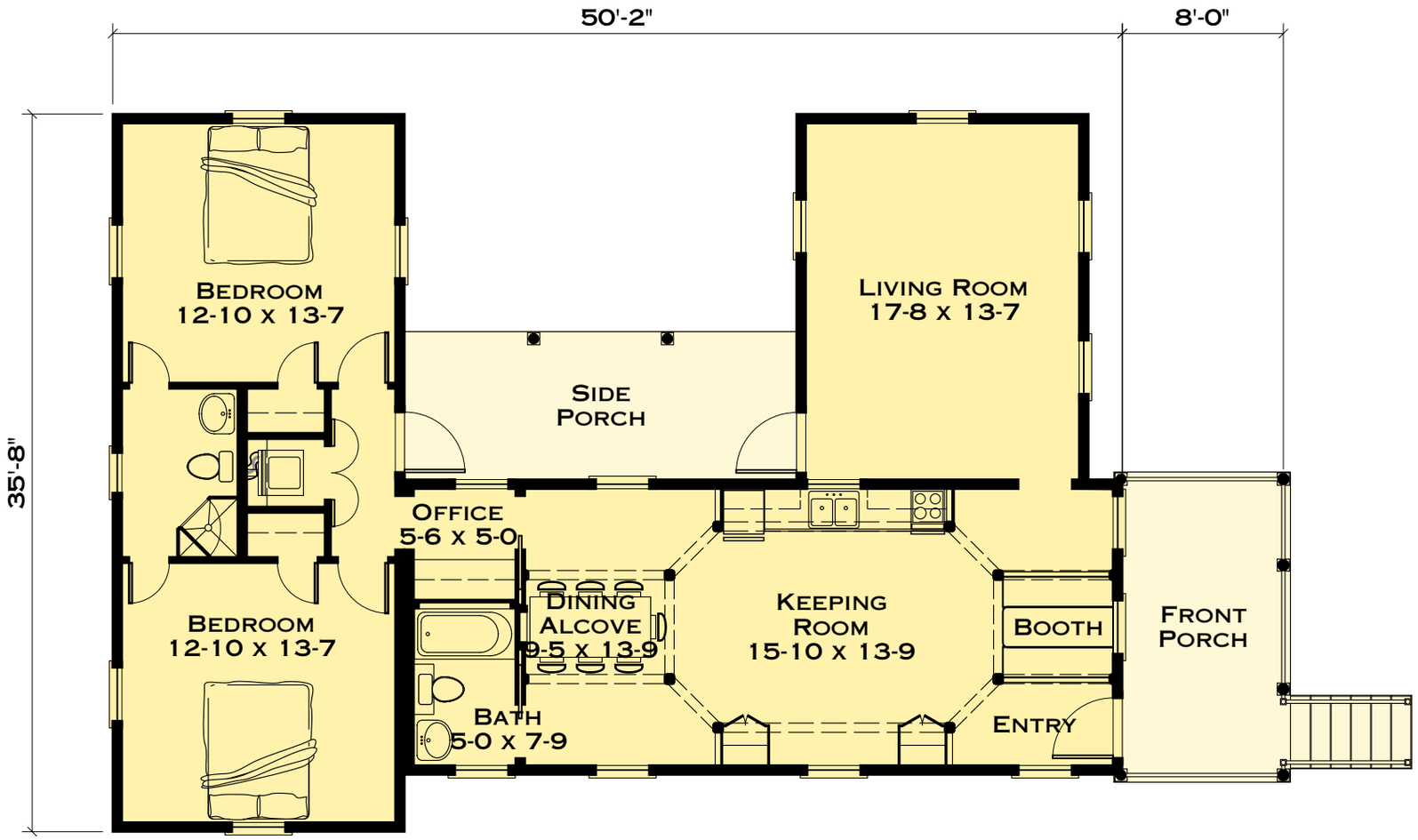
Smaller & Smarter

Side Court Expansion



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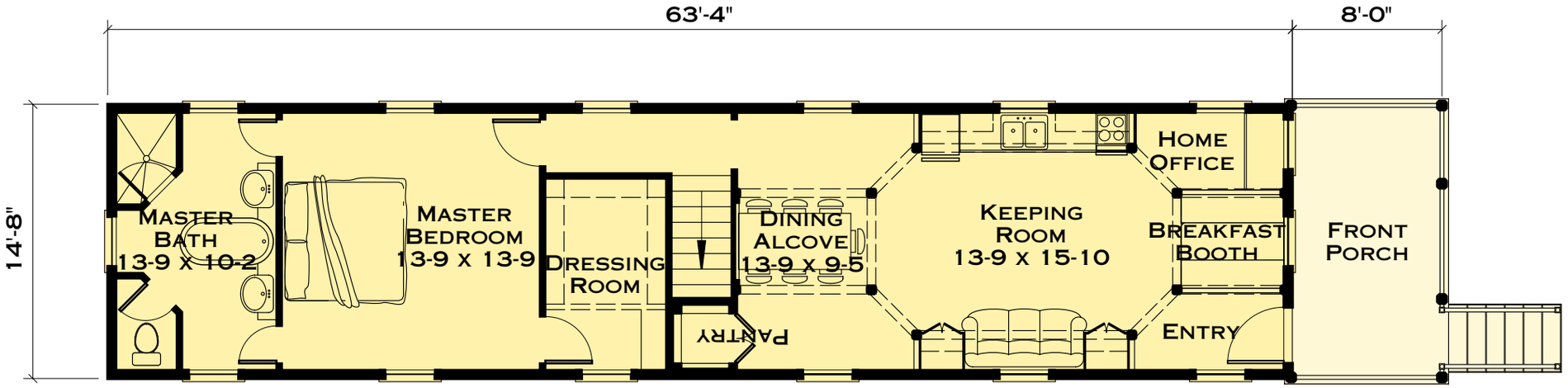
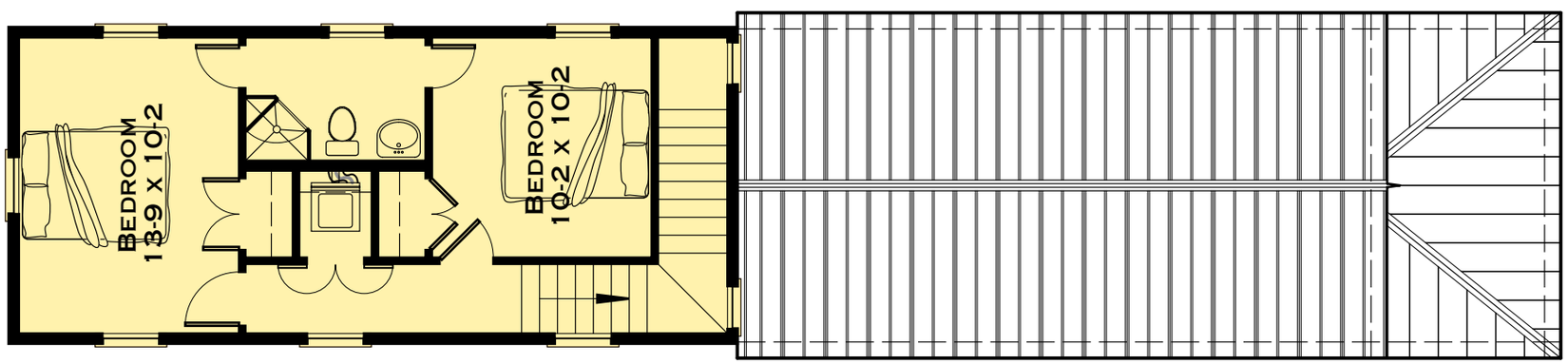
Smaller & Smarter

Camel-Back Expansion



First Level Floor Plan



Second Level Floor Plan

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Smaller & Smarter

Booth/Table & Bed Alcove

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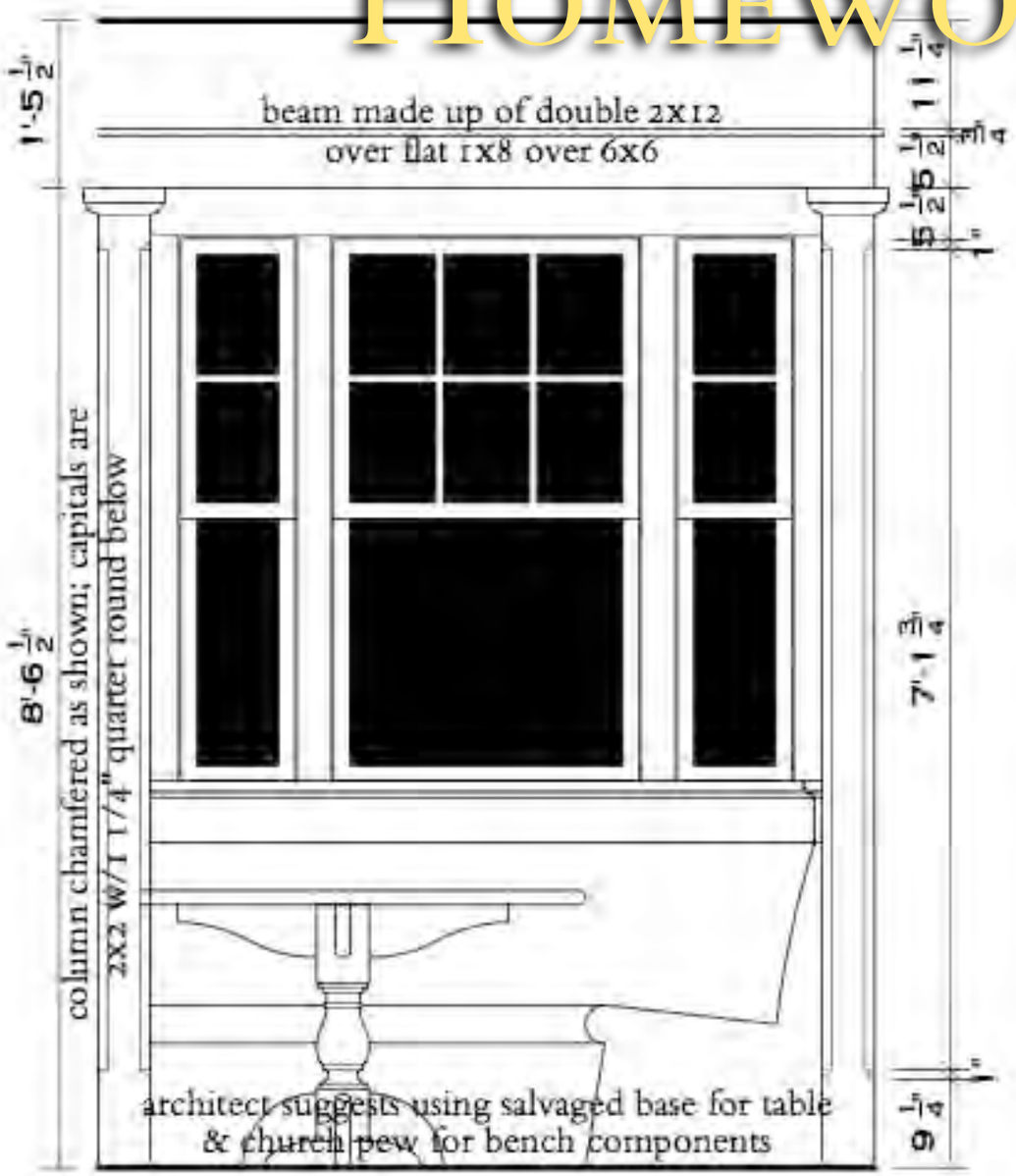
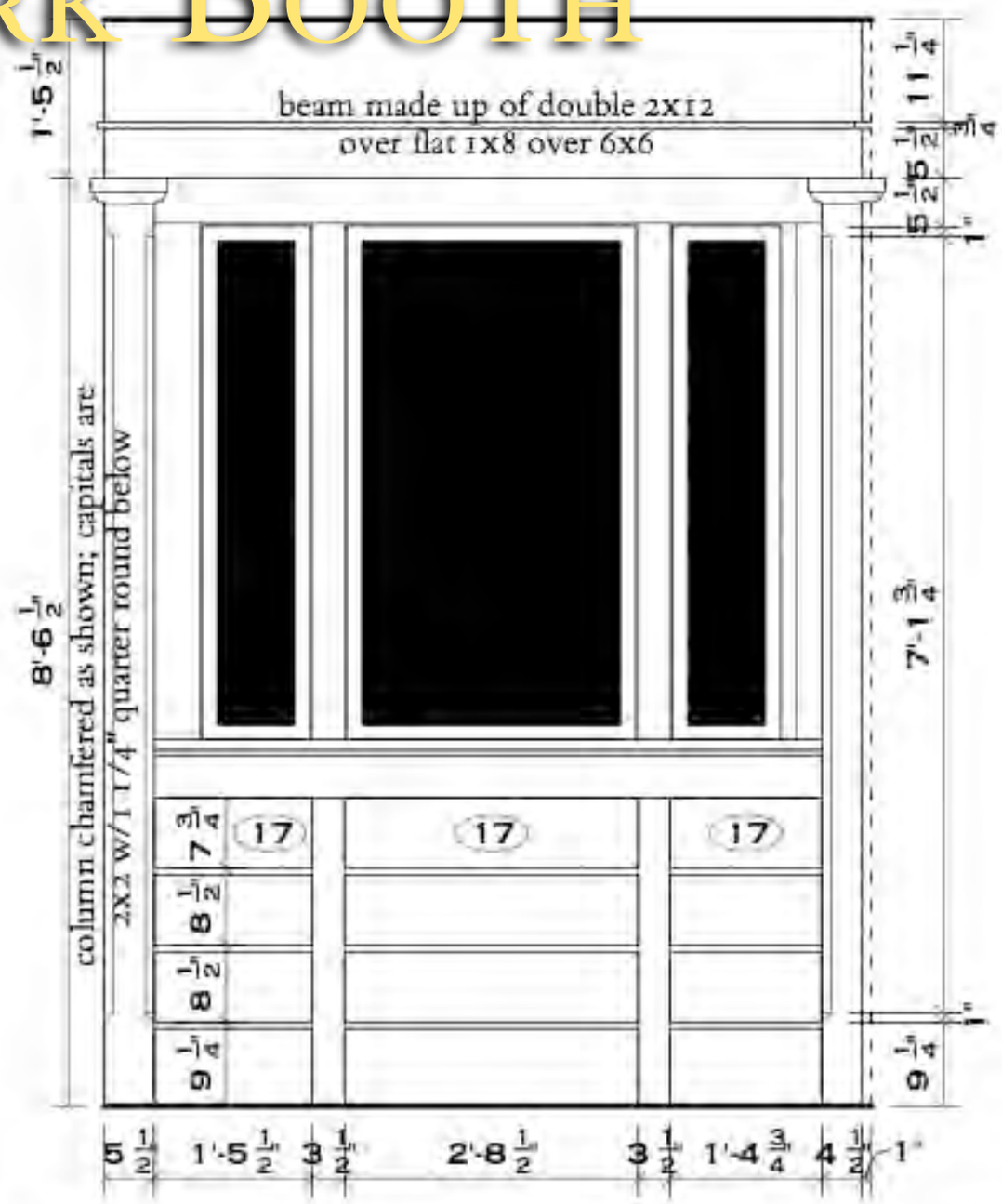
Smaller & Smarter

Dining/Office/ Homework Booth





DRAWING # 9 / A8

SCALE 3/8"

DRAWING # 10

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Bo[illegible] Keep.Rm.

SCALE 3/8" / 1'-0"

Smaller & Smarter

Insulating Bed Alcove

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Smaller & Smarter

Insulating Bed Alcove

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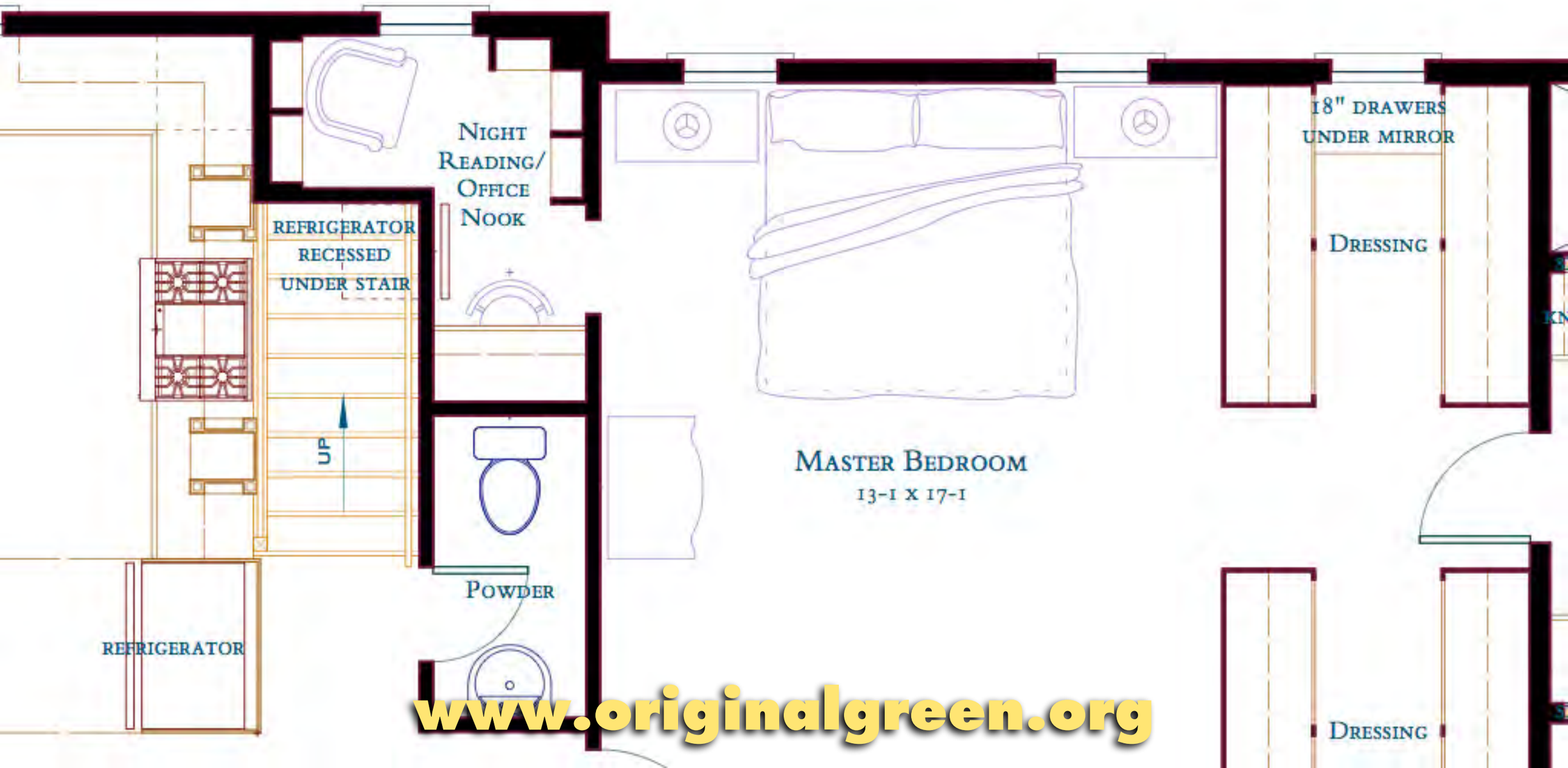
Smaller & Smarter

Nooks & Armoires



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Reduced Footprint

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Narrow Footprint

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Under-Bed Storage

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In-Bed Storage

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Thick Walls

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Boarded Walls

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Boarded Walls

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Carve Into Walls/Pocket Doors

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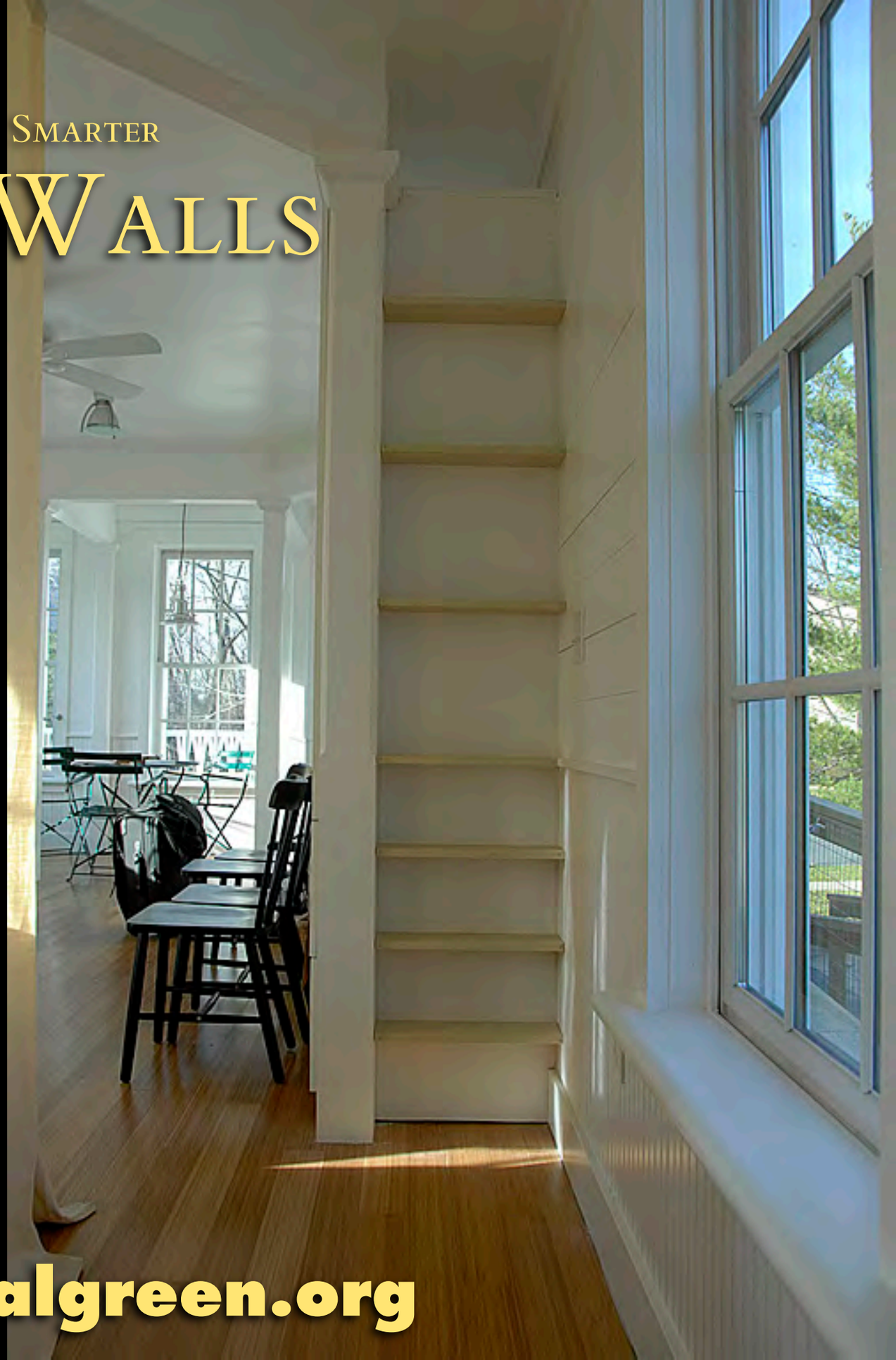
Shelf Walls



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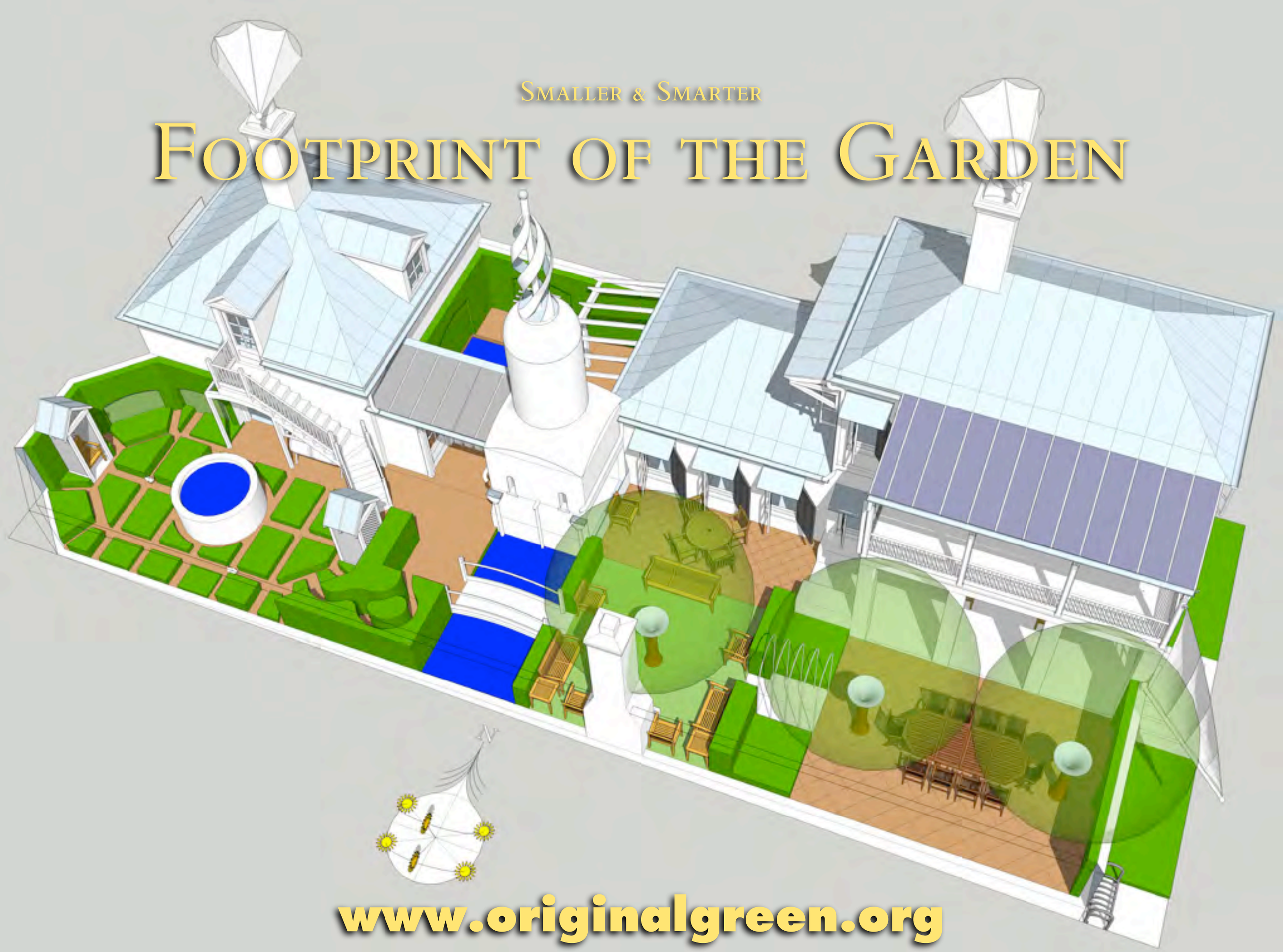
Smaller & Smarter

Footprint of the Garden



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Light Wings

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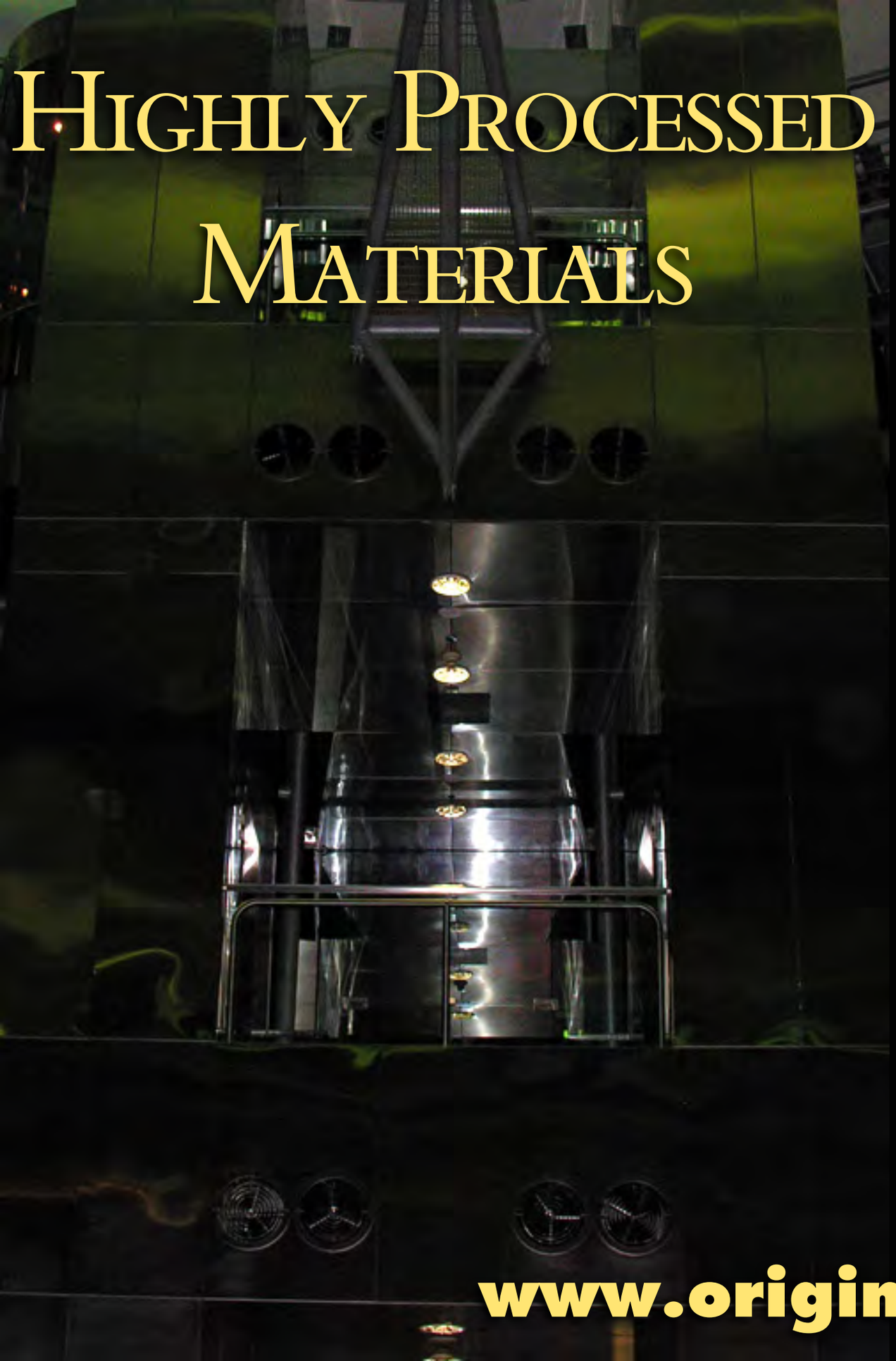

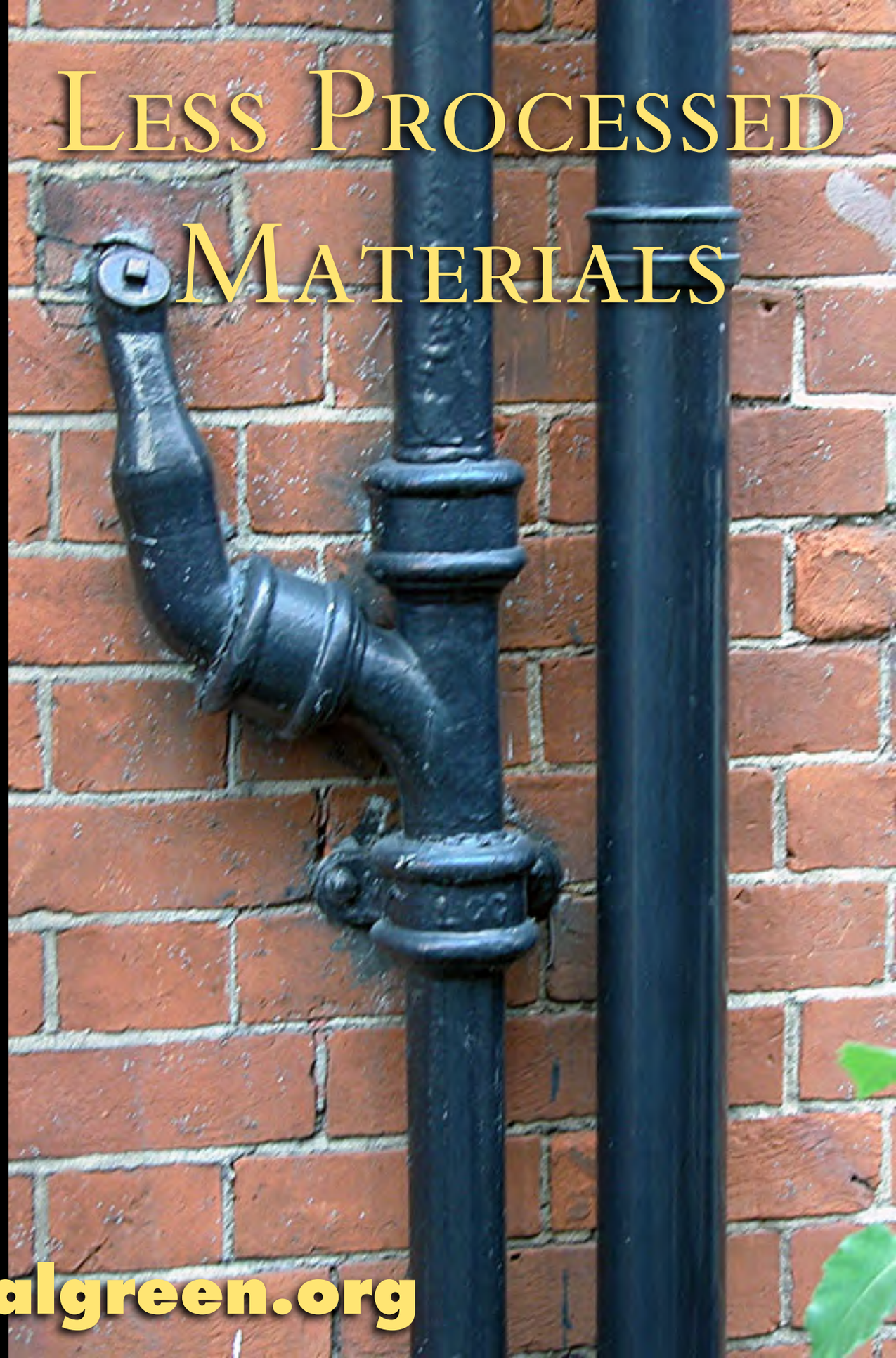

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Recycle vs. Reuse

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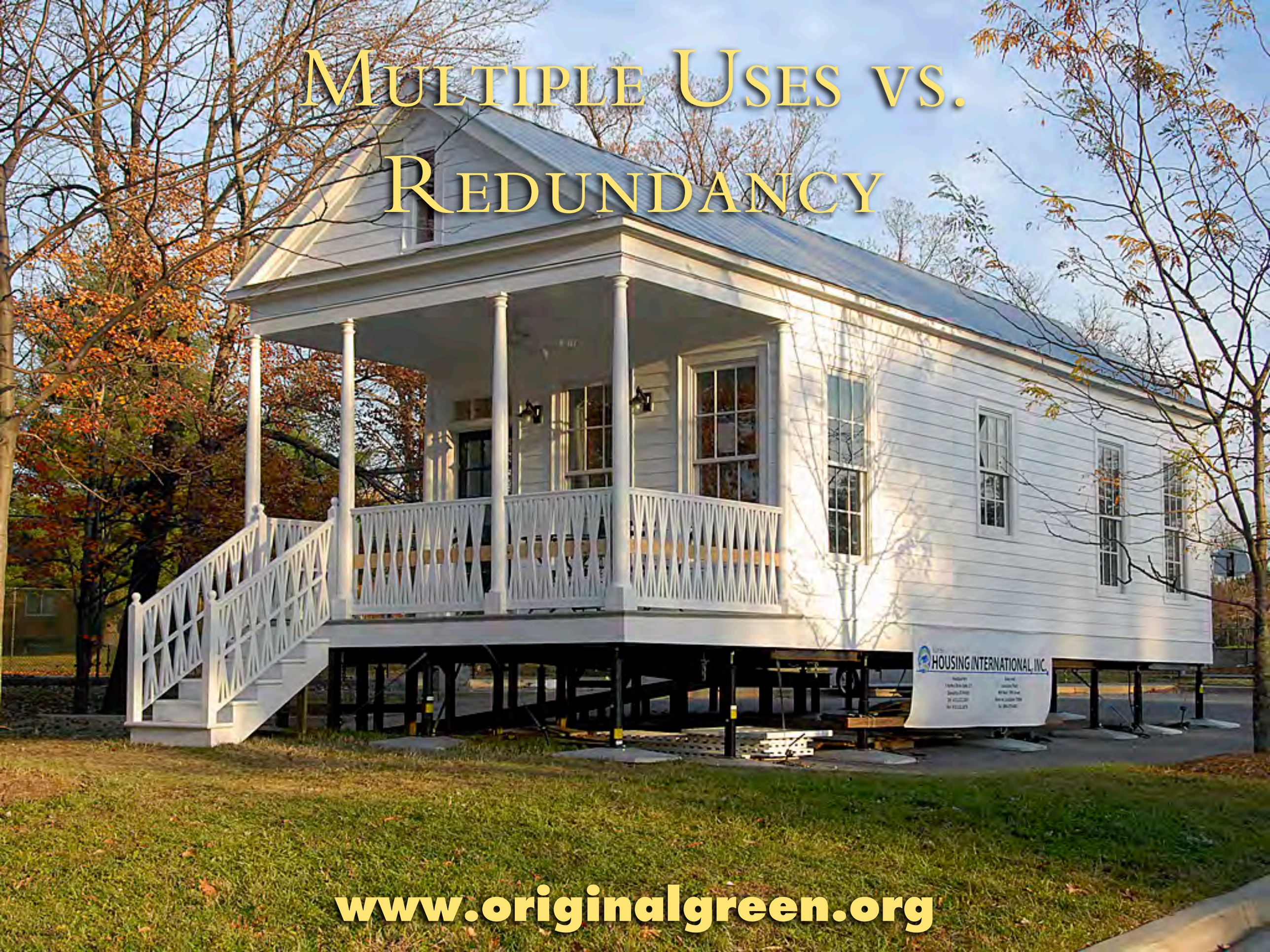
Multiple Uses vs. Redundancy



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Discarding Interior Conventions

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Putting Buildings Back to Work

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Be Frugal Naturally First

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Then Bridge The Gap
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The Original Green

PLACES

BUILDINGS

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

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

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9. Give *a* Gift *to the* Street

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8. Choose It *for* Longer Than You'll Use It

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7. Choose Smaller Stuff *with* Double Duty

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6. Live Where Friends Visit Unannounced

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5. Operate Naturally

www.originalgreen.org

4. Raise *a* Victory Garden

www.originalgreen.org

3. Build Garden Rooms *in* Your Yard

www.originalgreen.org

2. Live Where You Can Walk *to the* Grocery

www.originalgreen.org

1. Make *a* Living Where You're Living

www.originalgreen.org