The Original Green

The Natural House
Harvard Graduate School of Design
Cambridge
11 July 28

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

How Things Operate

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Lots *of* Controls

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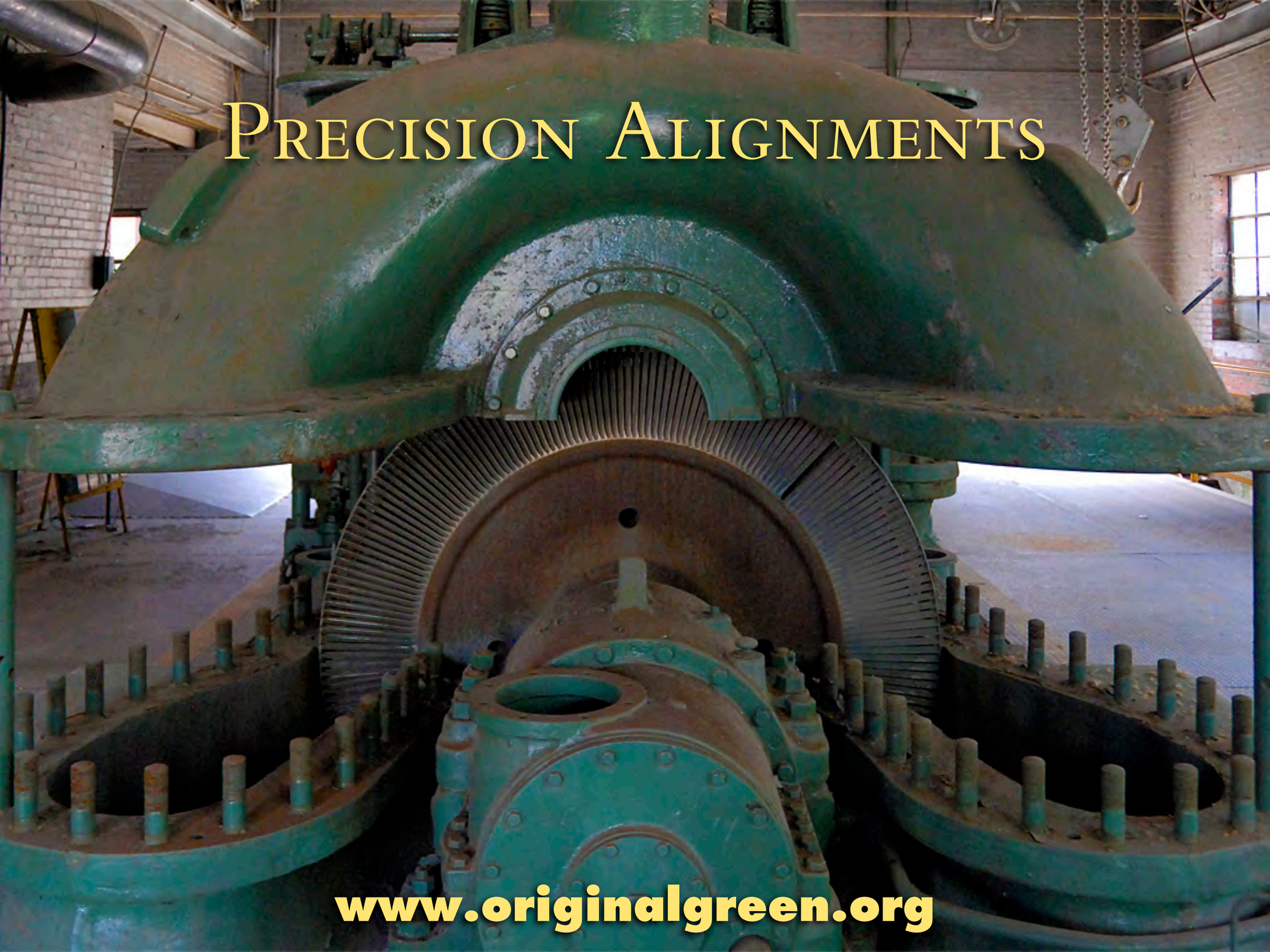
Precision Alignments
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Massive Use *of* Energy

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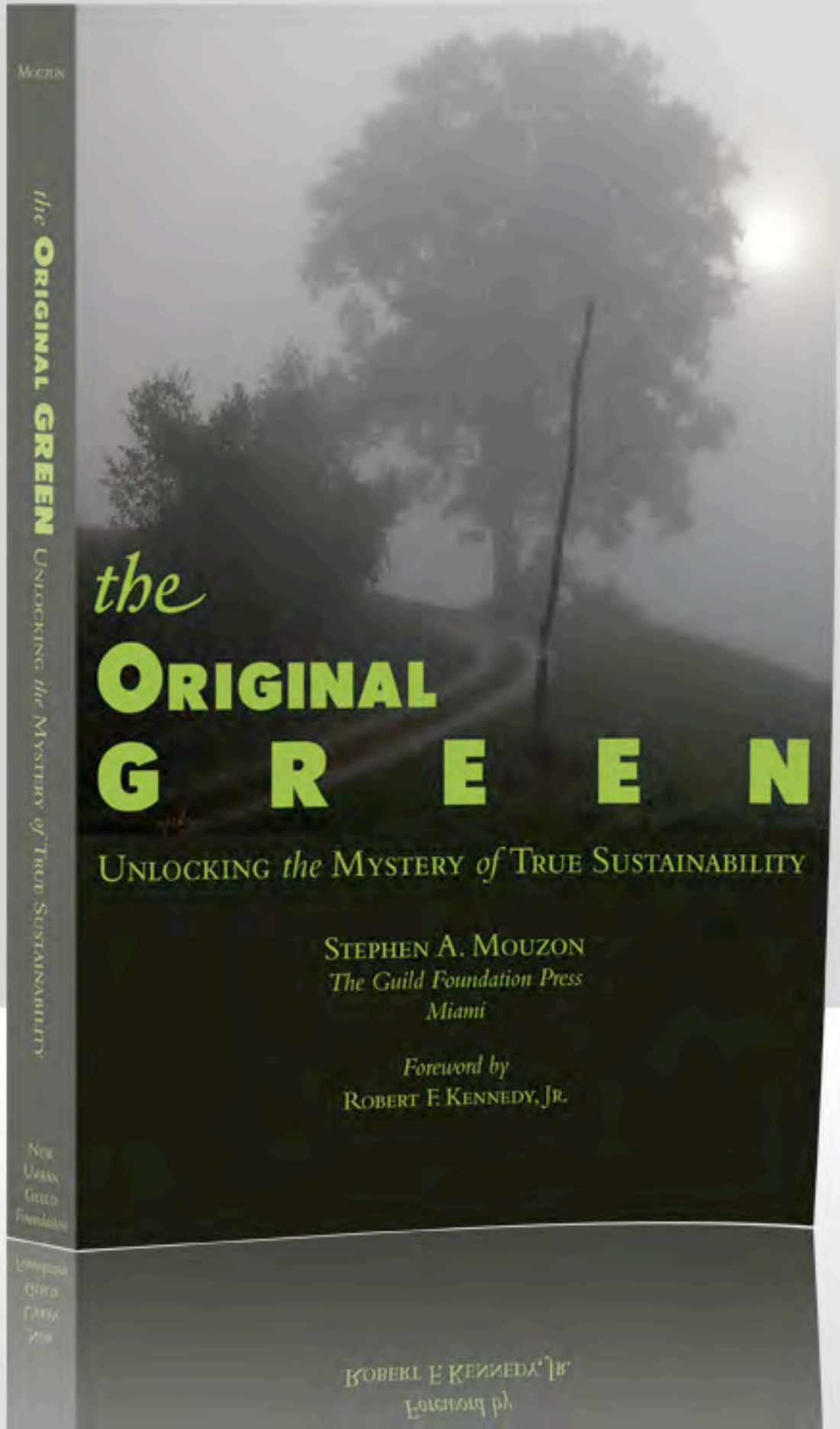
the ORIGINAL GREEN
UNLOCKING the MYSTERY of TRUE SUSTAINABILITY
STEPHEN A. MOUZON
The Guild Foundation Press
Miami
Foreword by
ROBERT F. KENNEDY, JR.

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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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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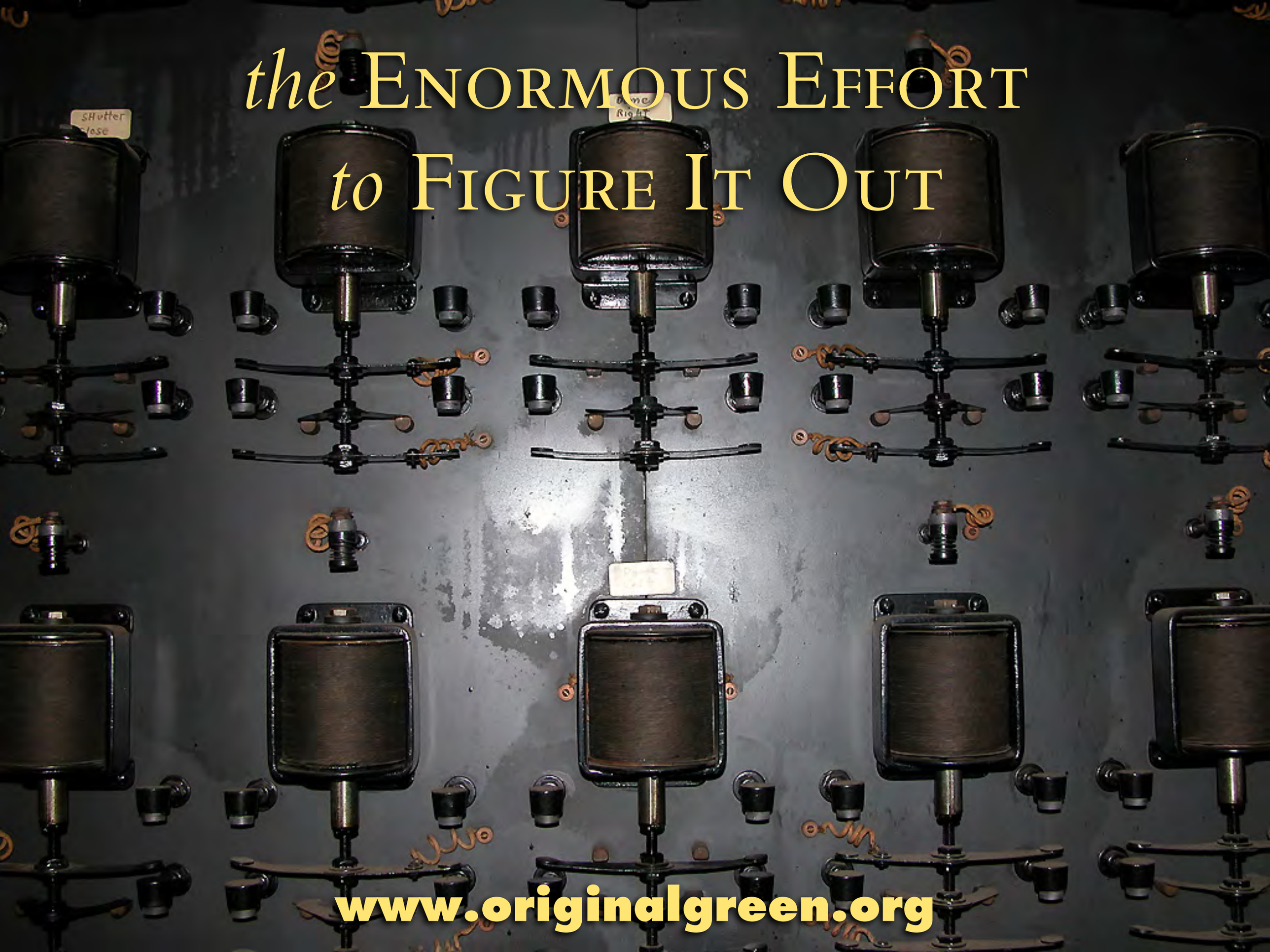
the Enormous Effort *to* Figure It Out



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3. *the* Carbon Focus

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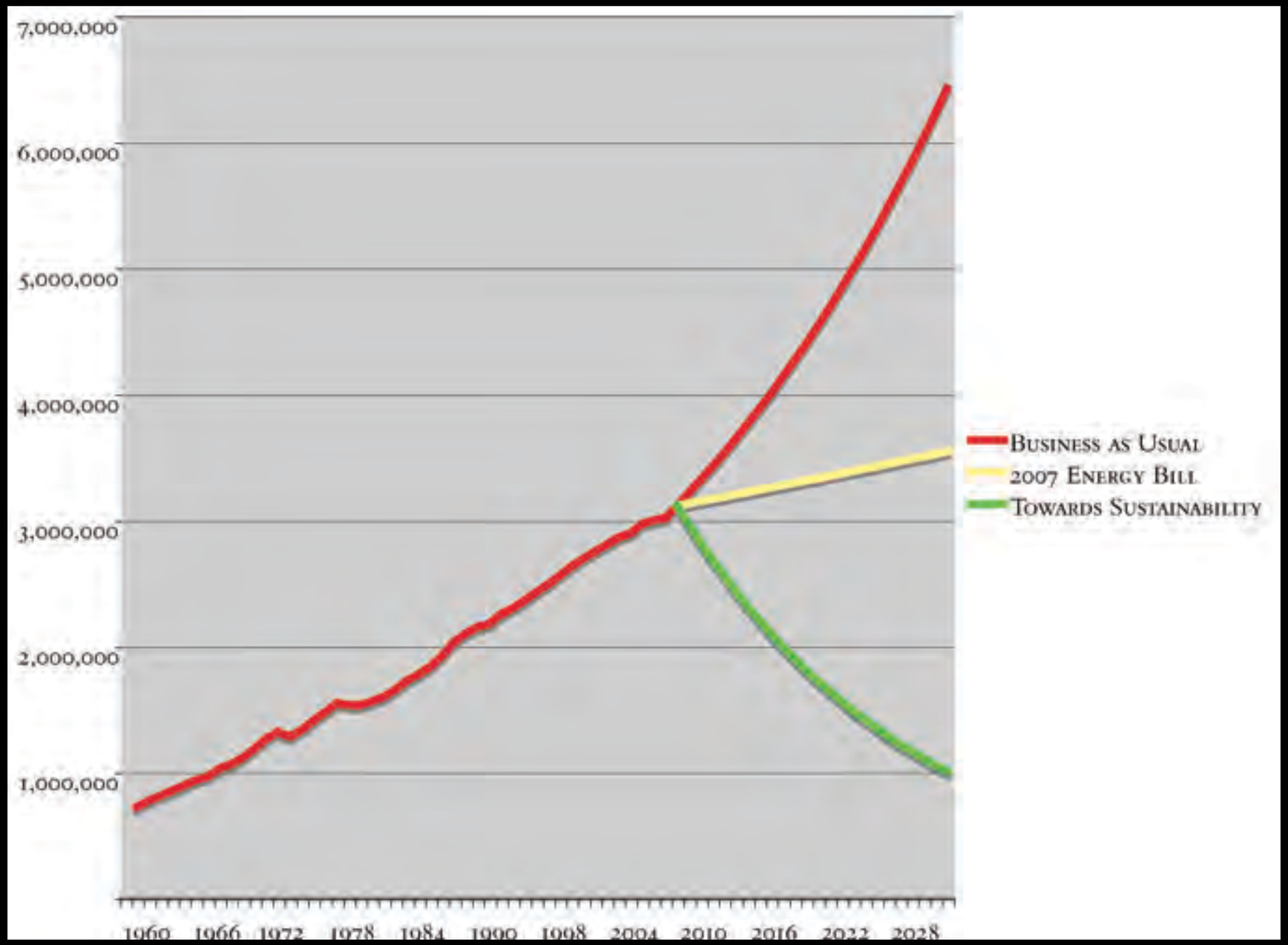
2. *the* Supply-Side Focus



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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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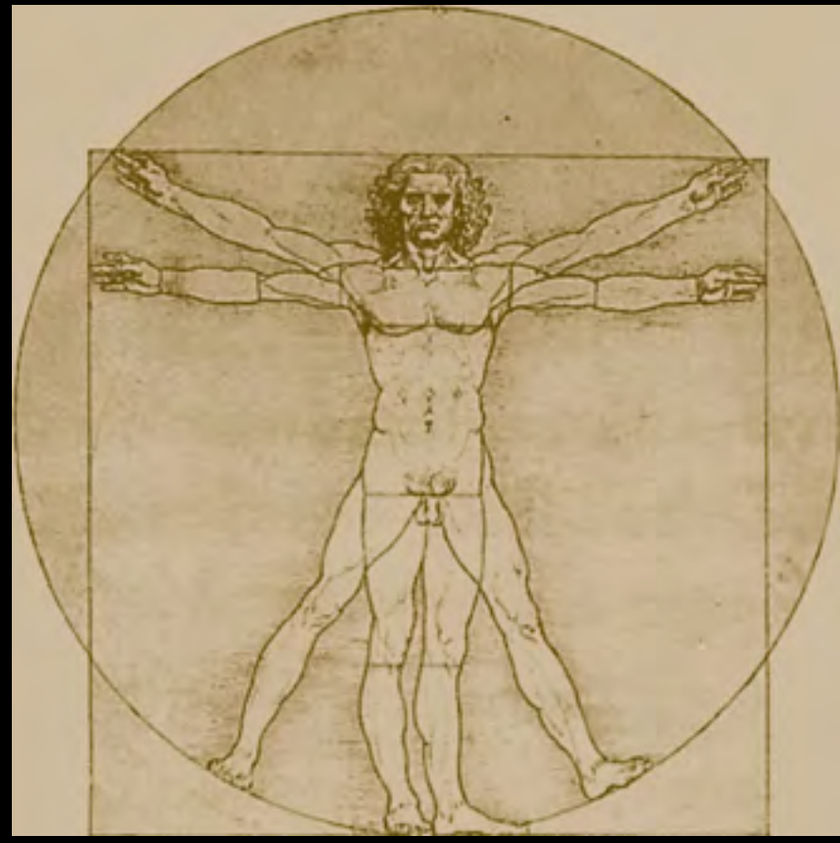

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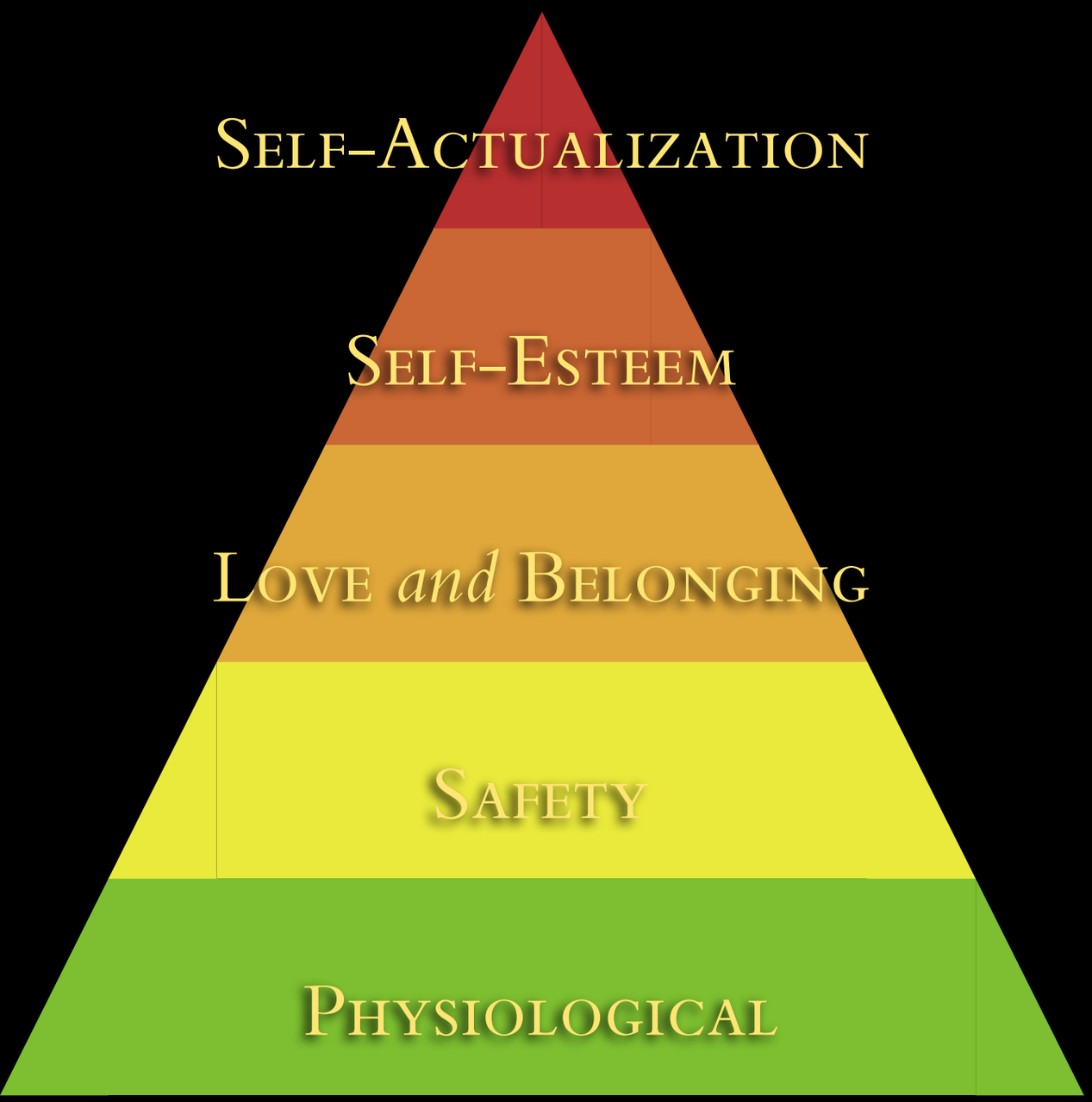
Maslow's Pyramid *and the* 6 Realms



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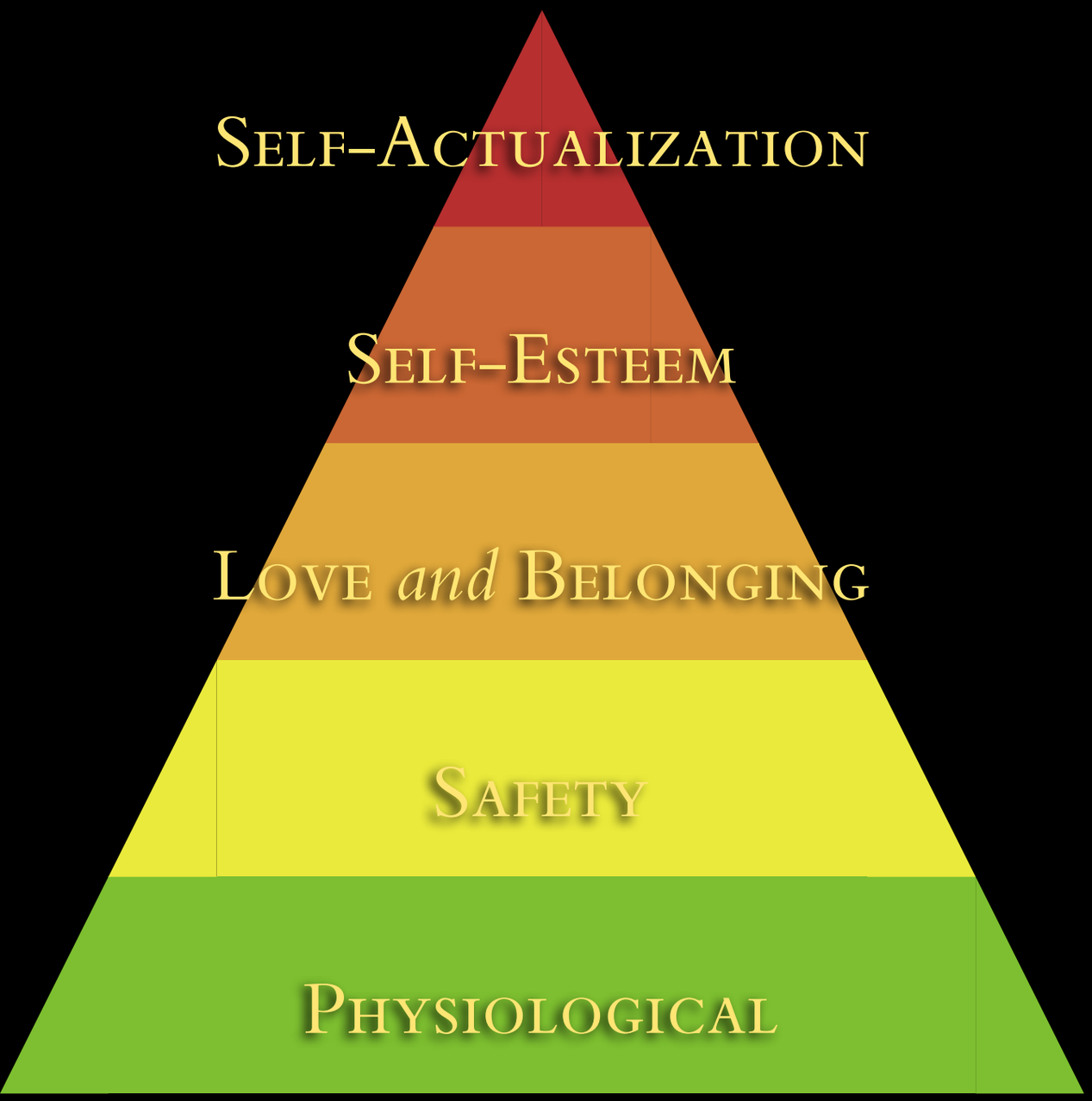
Maslow's Pyramid *and the* 6 Realms



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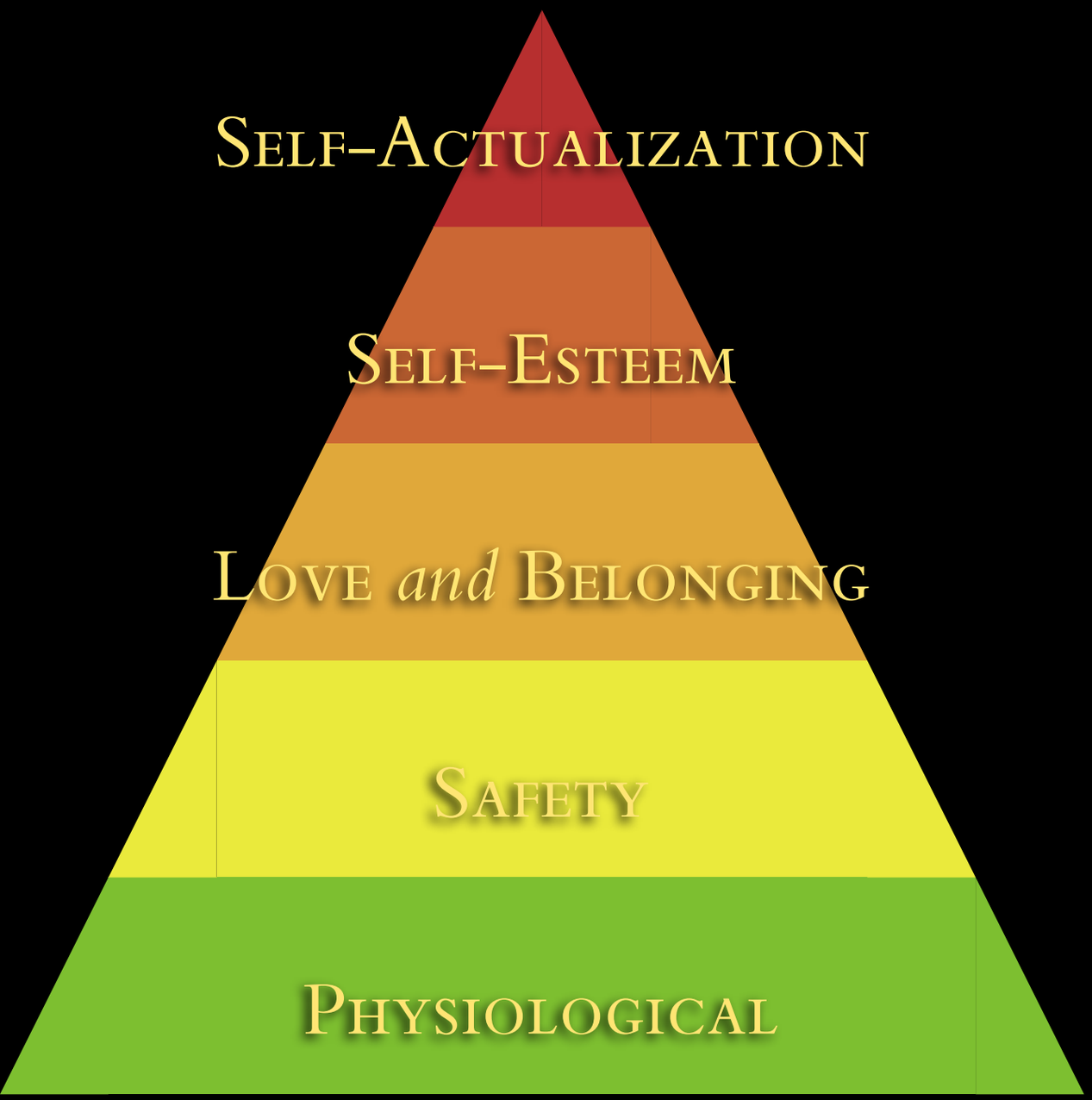

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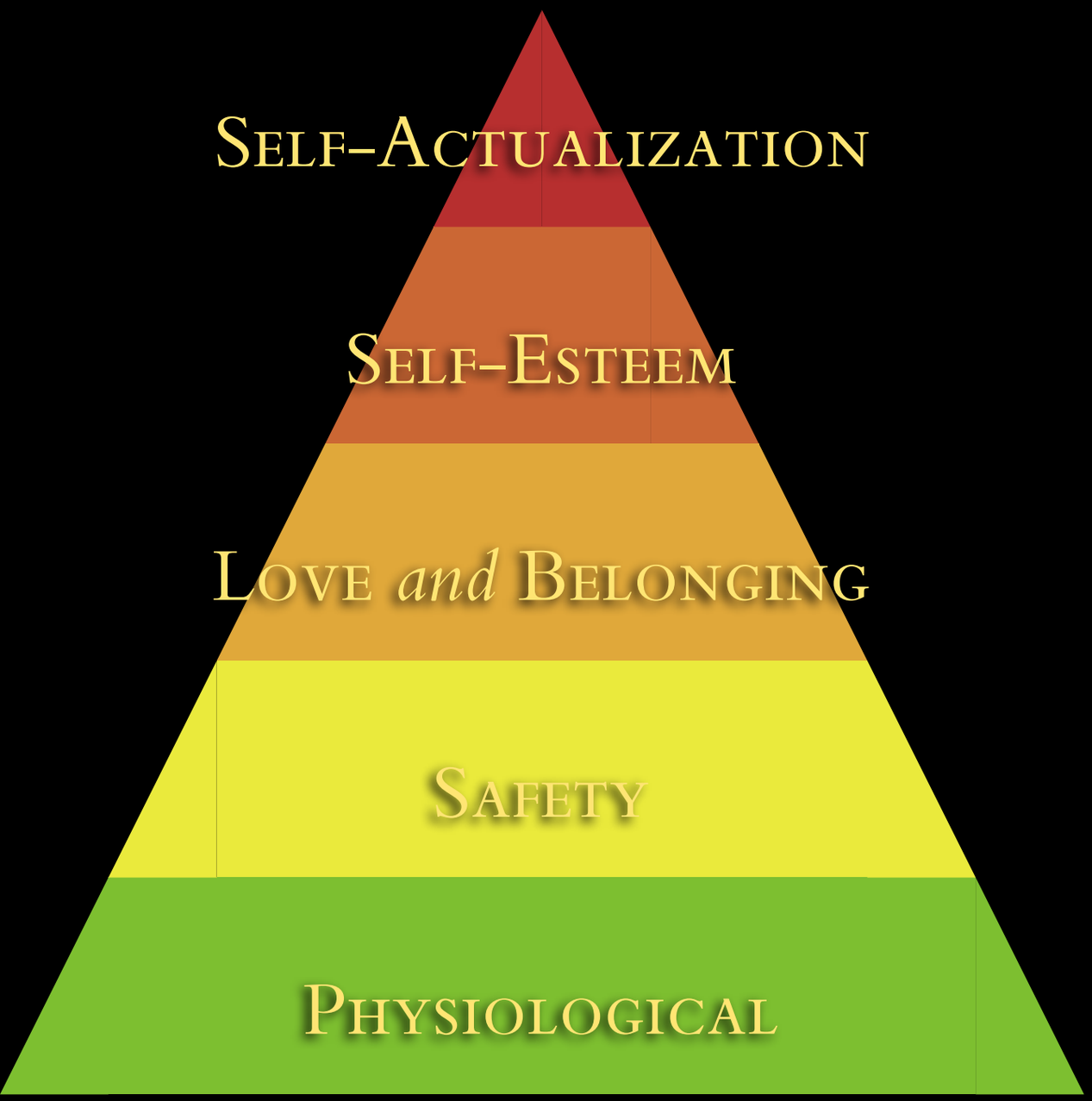

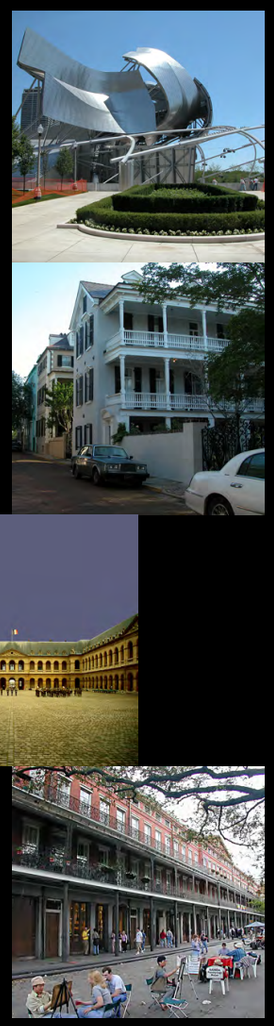

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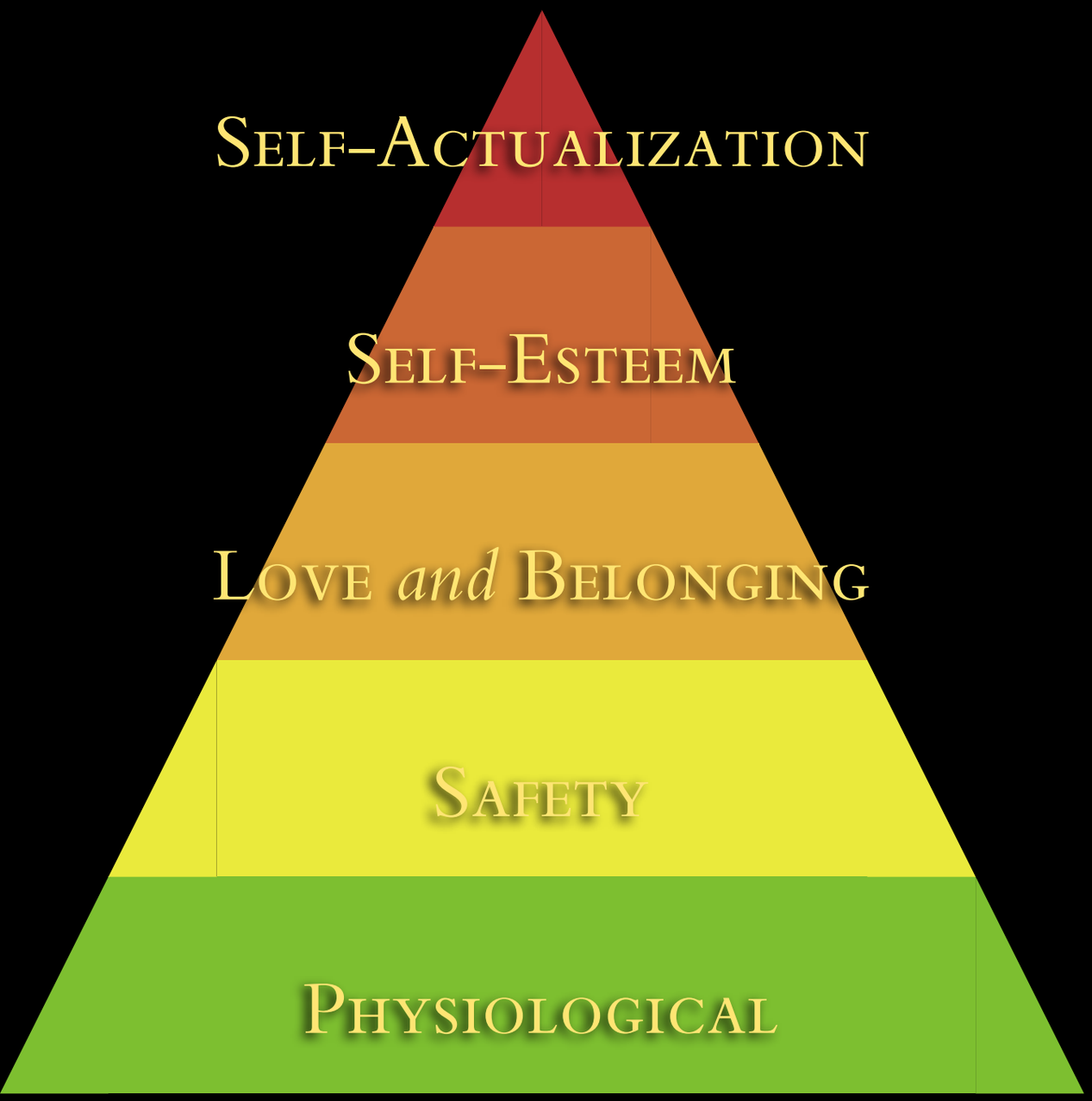

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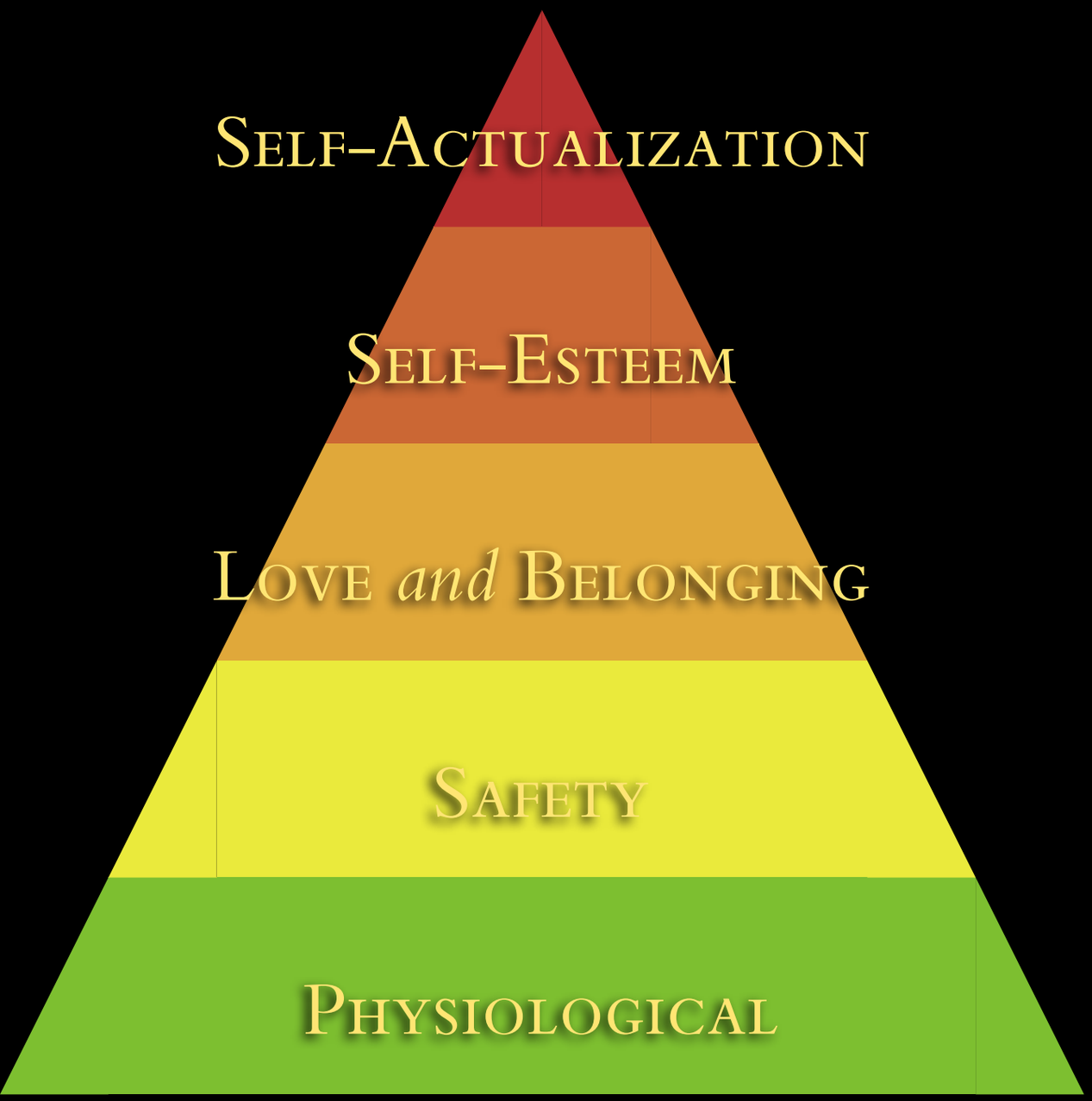

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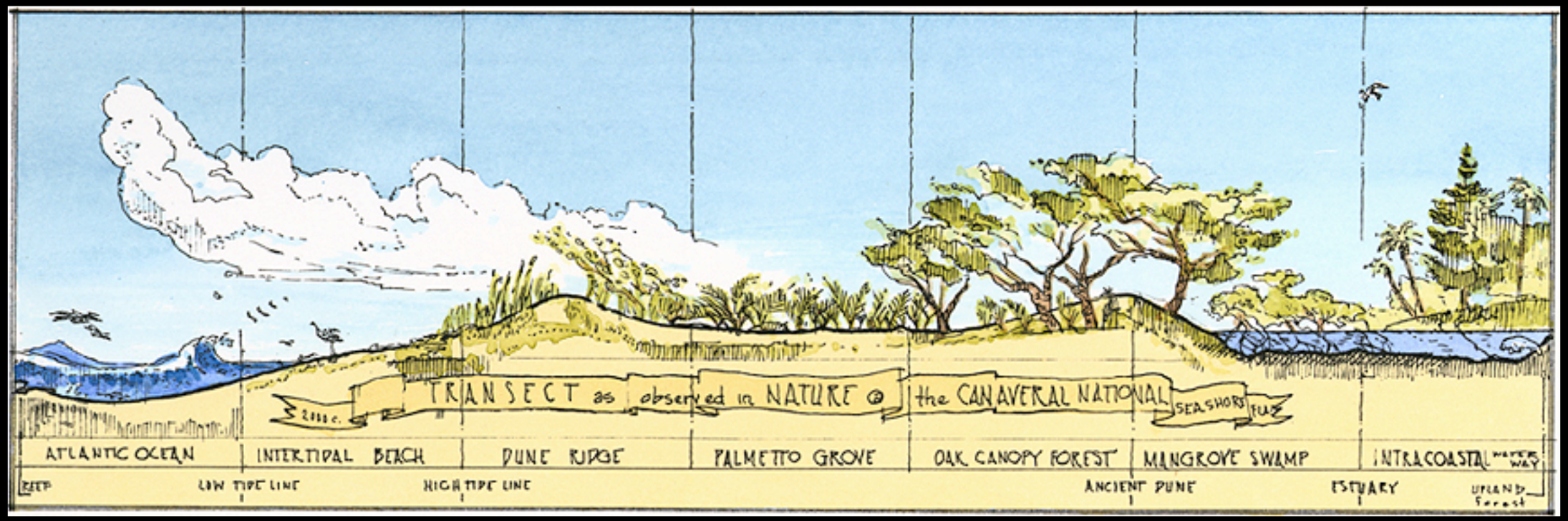
8. *the* Diversified Environment

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.



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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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V M C

Vernacular

Median

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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4. *the* Expanded Comfort Range

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Conditioning *the* Buildings First

Conditioning the Humans First

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The Mechanization *of* Life

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Living *in* Season

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3. *the* Localized Operations

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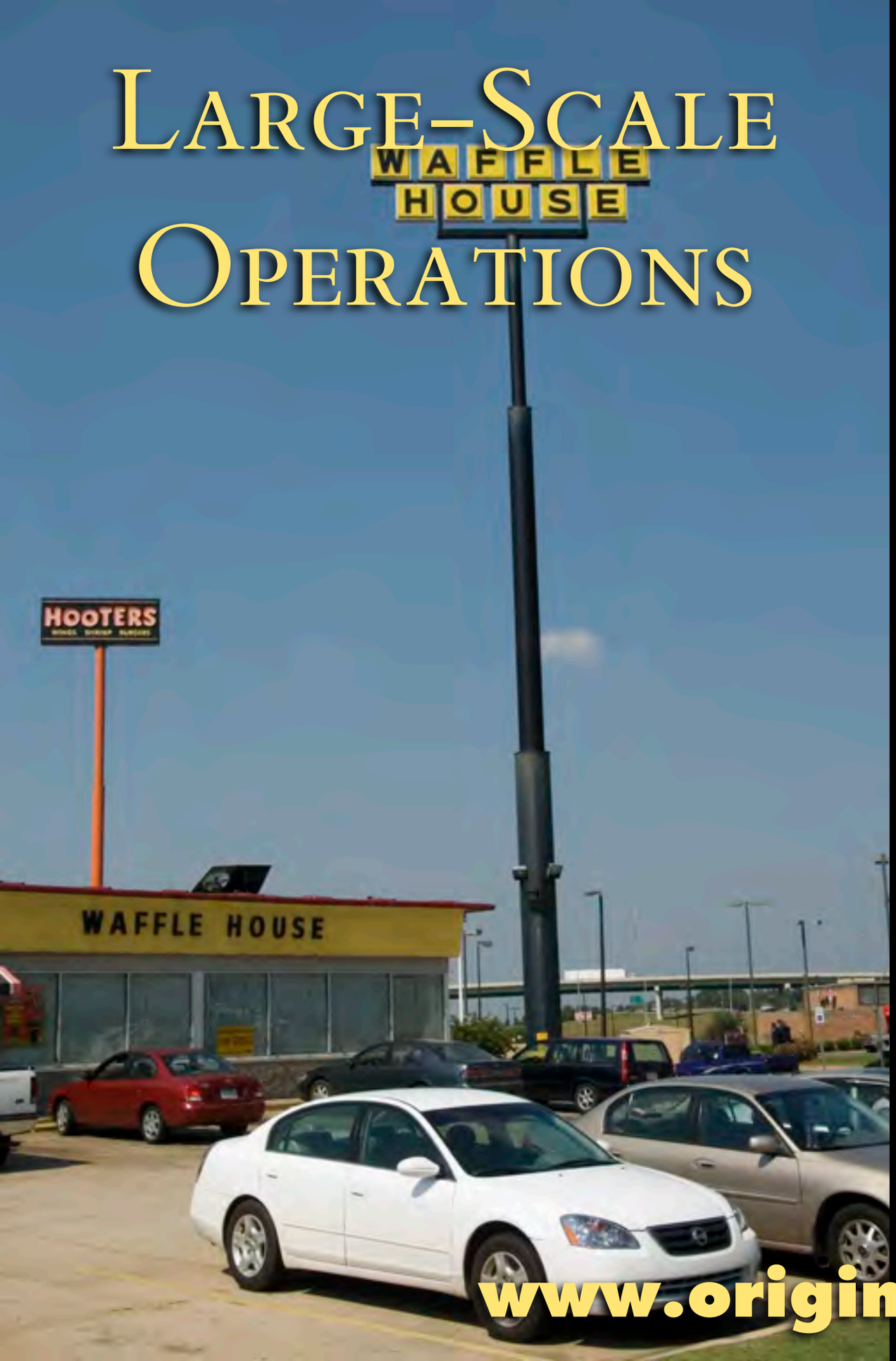
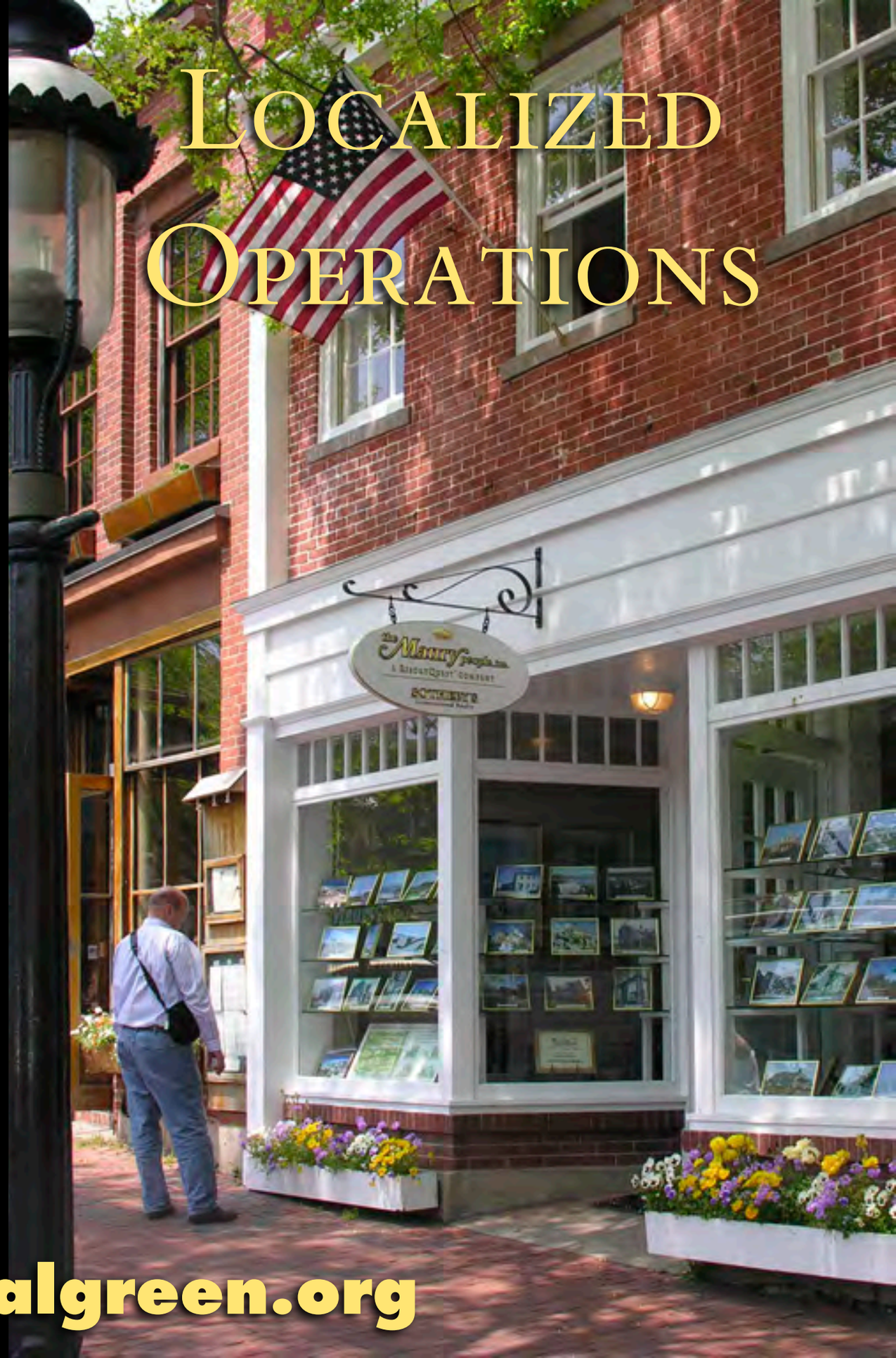
Large-Scale Operations



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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Vitamins
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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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The Death *of* Tradition

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Death *by* Specialization

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Death *by* Licensing

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Death *by* Modernism
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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: ?–

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Anti-Tradition

Living Tradition

Historic Tradition

Leading ⟷ **Lasting**

Allure *of the* New

Substance *of the* Existing

V M C

Vernacular

Median

Classical

More Organic ⟷ More Refined

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Allure *of the* New

Substance *of the* Existing

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ONE WAY
5th ST
200
ONE WAY
AMLI
LEASING
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Leading
The Vacuous Middle
Lasting

Unsustainable

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The Oddballs

No Living Tradition

The Relics

Allure *of the* New

Substance *of the* Existing

Anti-Tradition

Living Tradition

Historic Tradition

Leading ⟷ **Lasting**

Allure *of the* New

Substance *of the* Existing

Workings *of a* Living Tradition

- ★ Easily Perceived
- ★ Easily Loved
- ★ Easily Performed
- ★ ... by the People, not just the Specialists

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The Transmission Device

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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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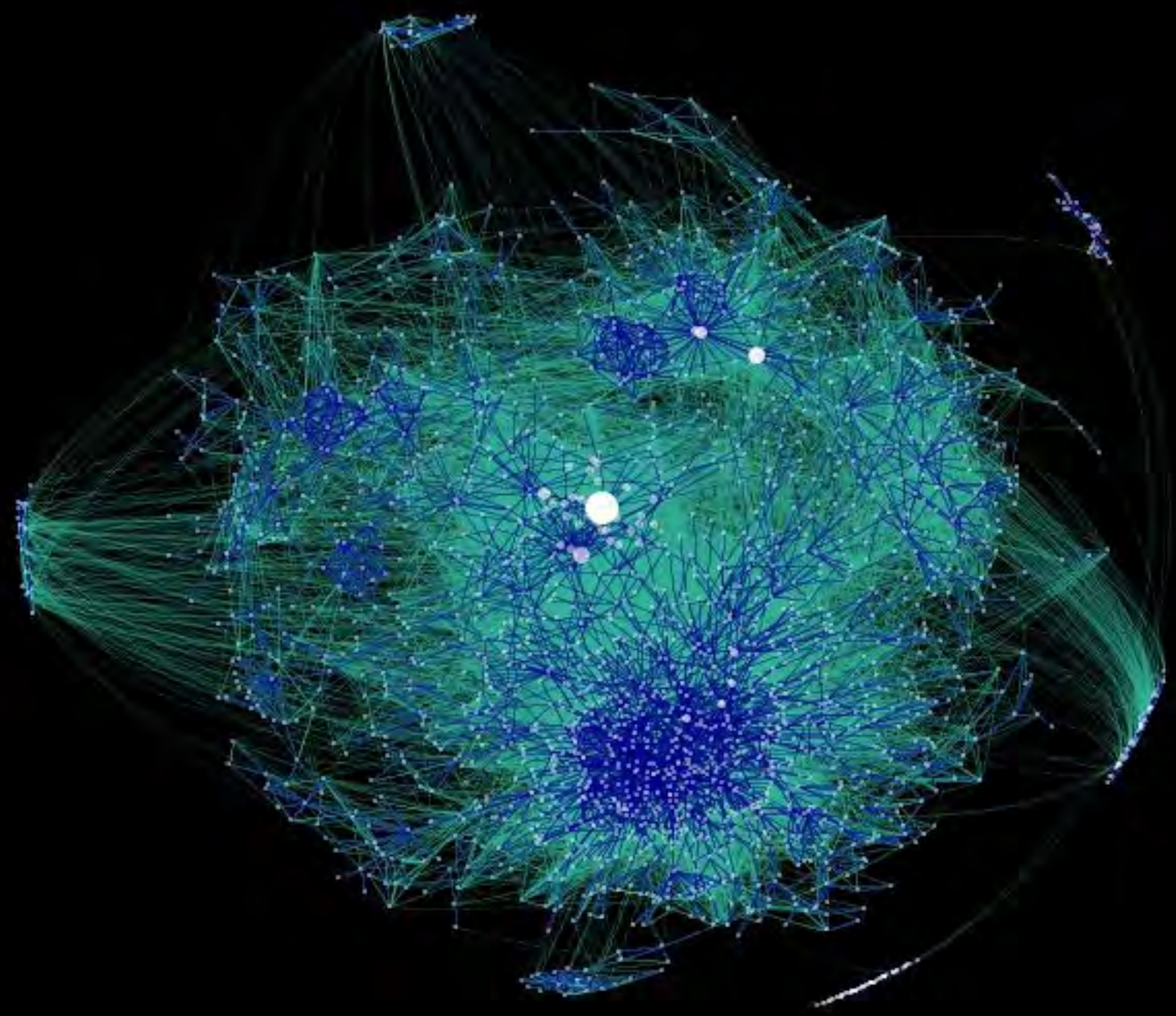

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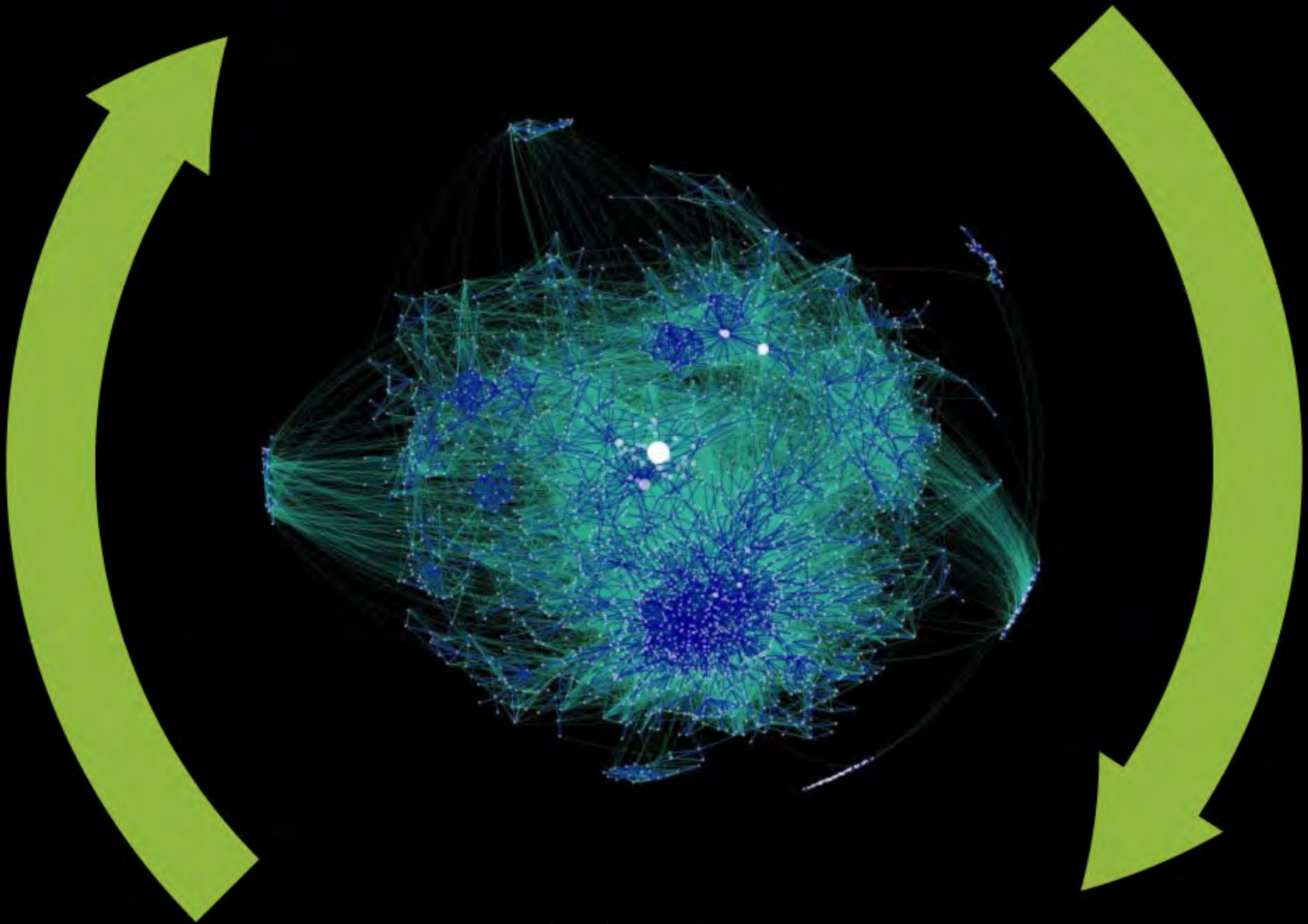

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Gizmo Green
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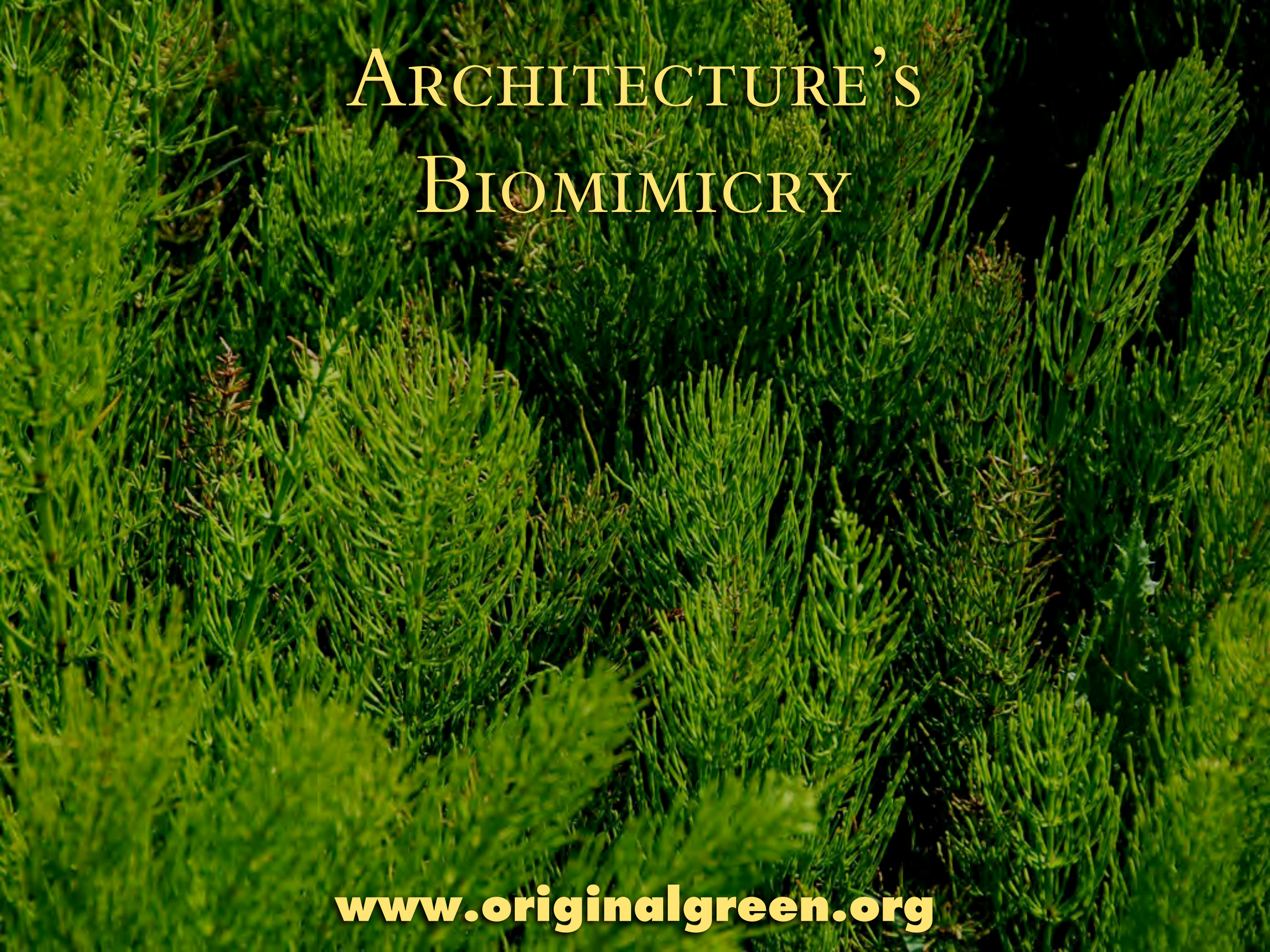
"This is how we build here"
www.originalgreen.org
Christmas Box
BROADWAY DOLLS & BEARS
OLIVE BRANCH BED & BREAKFAST GUEST HOUSE
PATHLOW GUEST HOUSE BED & BREAKFAST
30



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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Keeping Things Going Means Healing, Not Trashing

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Workman/Tool/Product OG/LT/Artifacts

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The Original Green

The Original Green

PLACES

The Original Green

The Original Green

PLACES NOURISHABLE BUILDINGS

The Original Green

PLACES

NOURISHABLE

ACCESSIBLE

BUILDINGS

The Original Green

PLACES

BUILDINGS

NOURISHABLE

ACCESSIBLE

SERVICEABLE

The Original Green

PLACES

NOURISHABLE

ACCESSIBLE

SERVICEABLE

SECURABLE

BUILDINGS

The Original Green

PLACES

NOURISHABLE LOVABLE

ACCESSIBLE

SERVICEABLE

SECURABLE

BUILDINGS

The Original Green

PLACES

NOURISHABLE LOVABLE

ACCESSIBLE DURABLE

SERVICEABLE

SECURABLE

BUILDINGS

The Original Green

PLACES

NOURISHABLE LOVABLE

ACCESSIBLE DURABLE

SERVICEABLE FLEXIBLE

SECURABLE

BUILDINGS

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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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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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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Lovable Buildings

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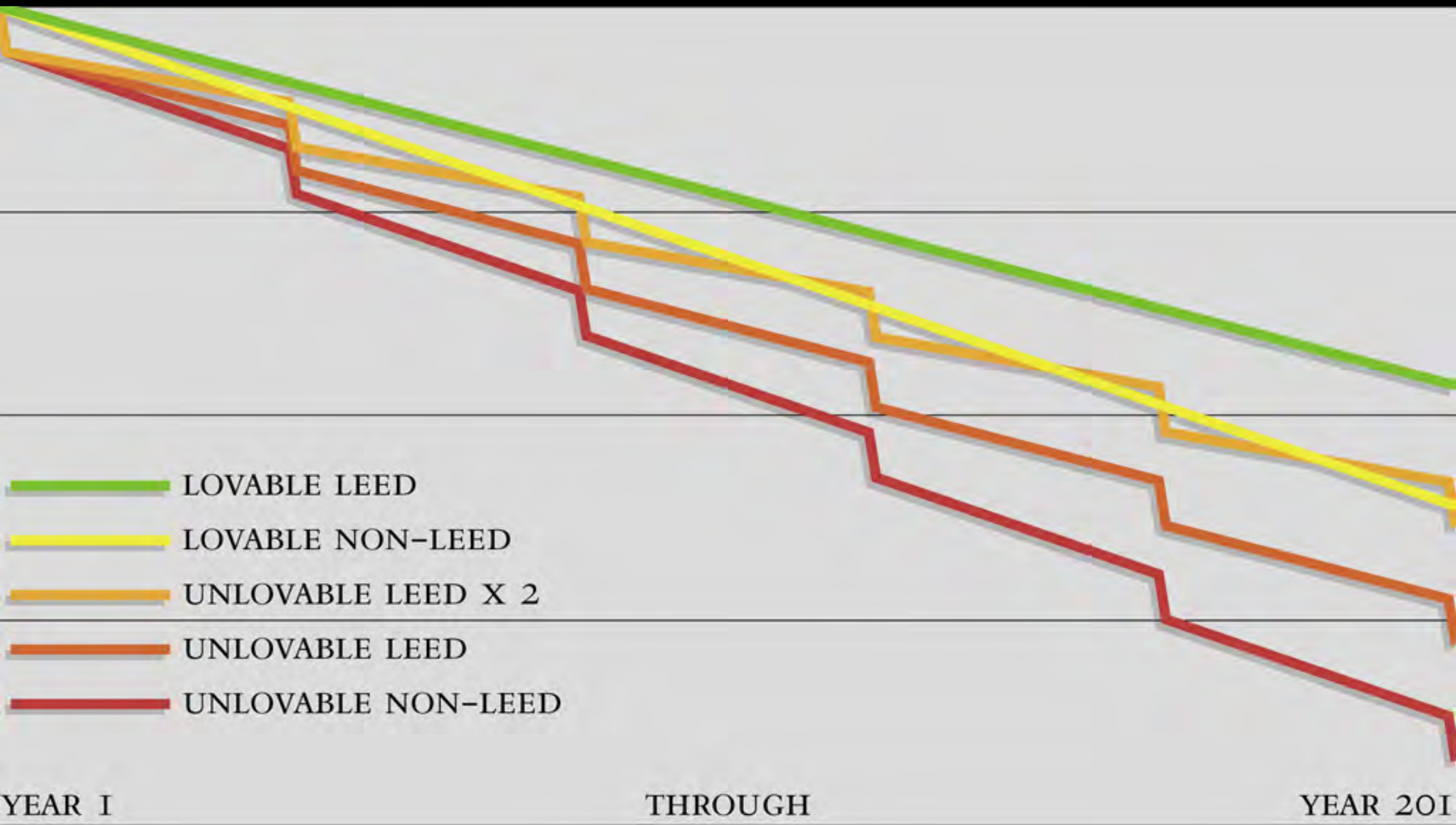
Down the Unlovable Carbon Stair-Steps



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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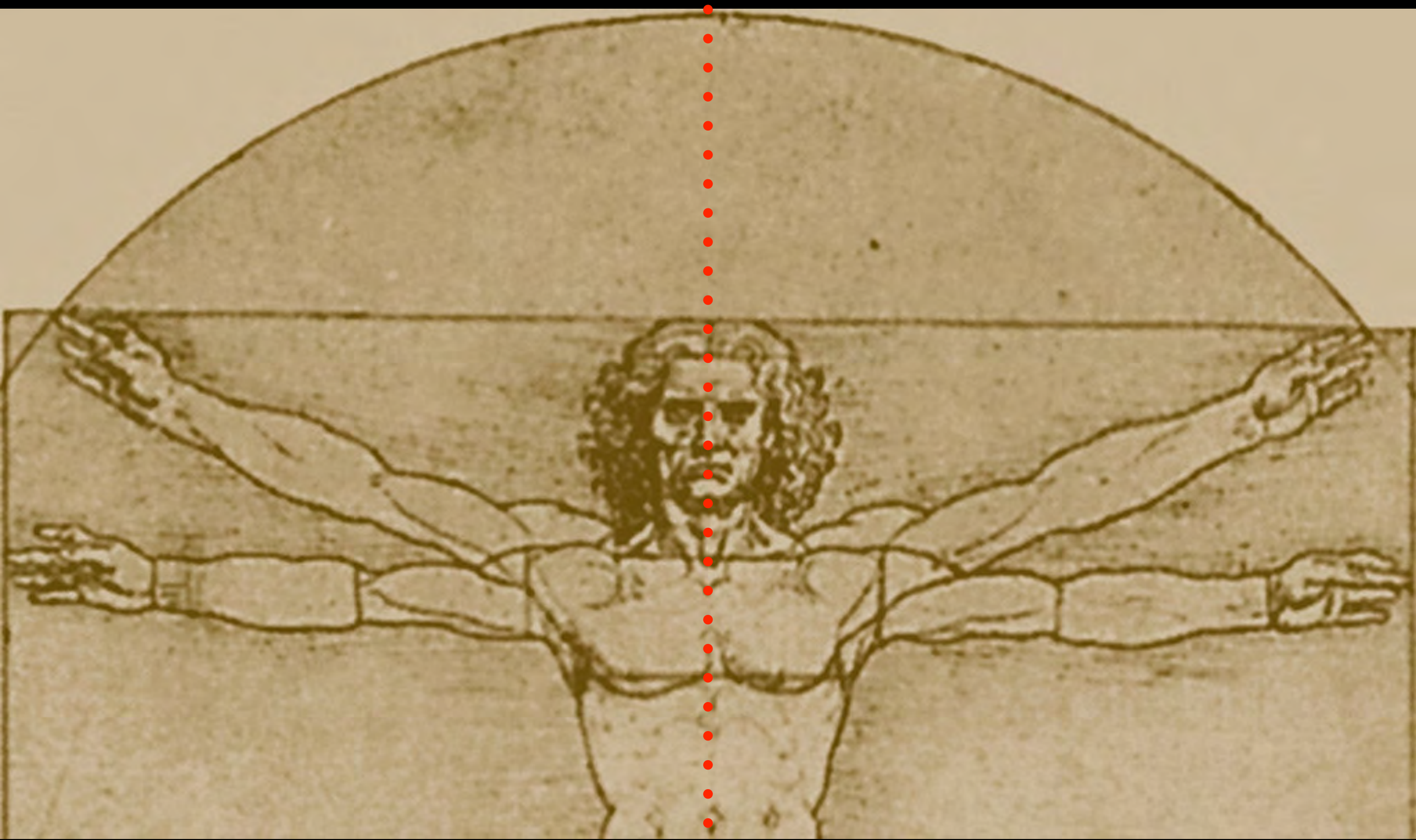
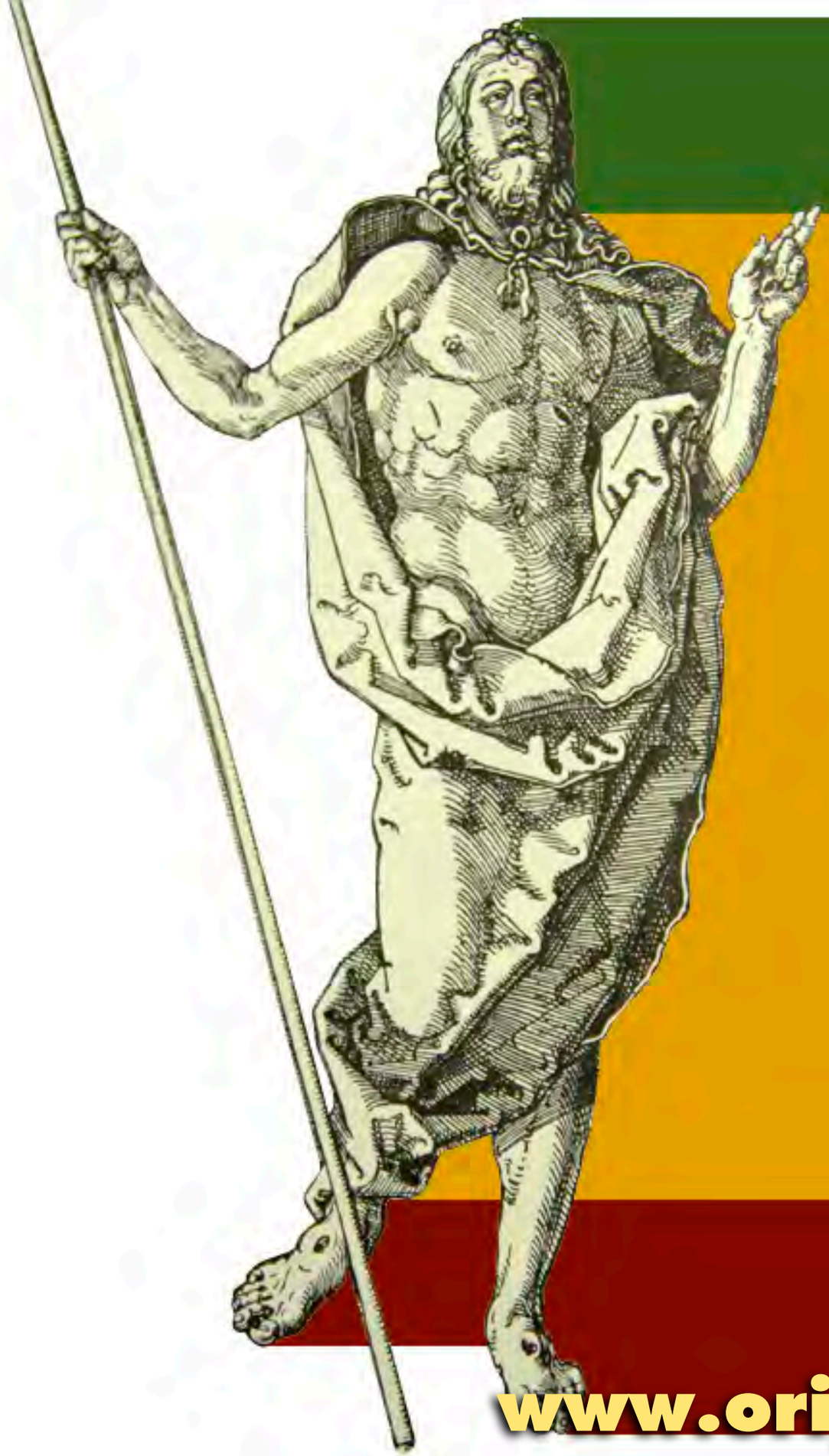
Horizontal Arrangement





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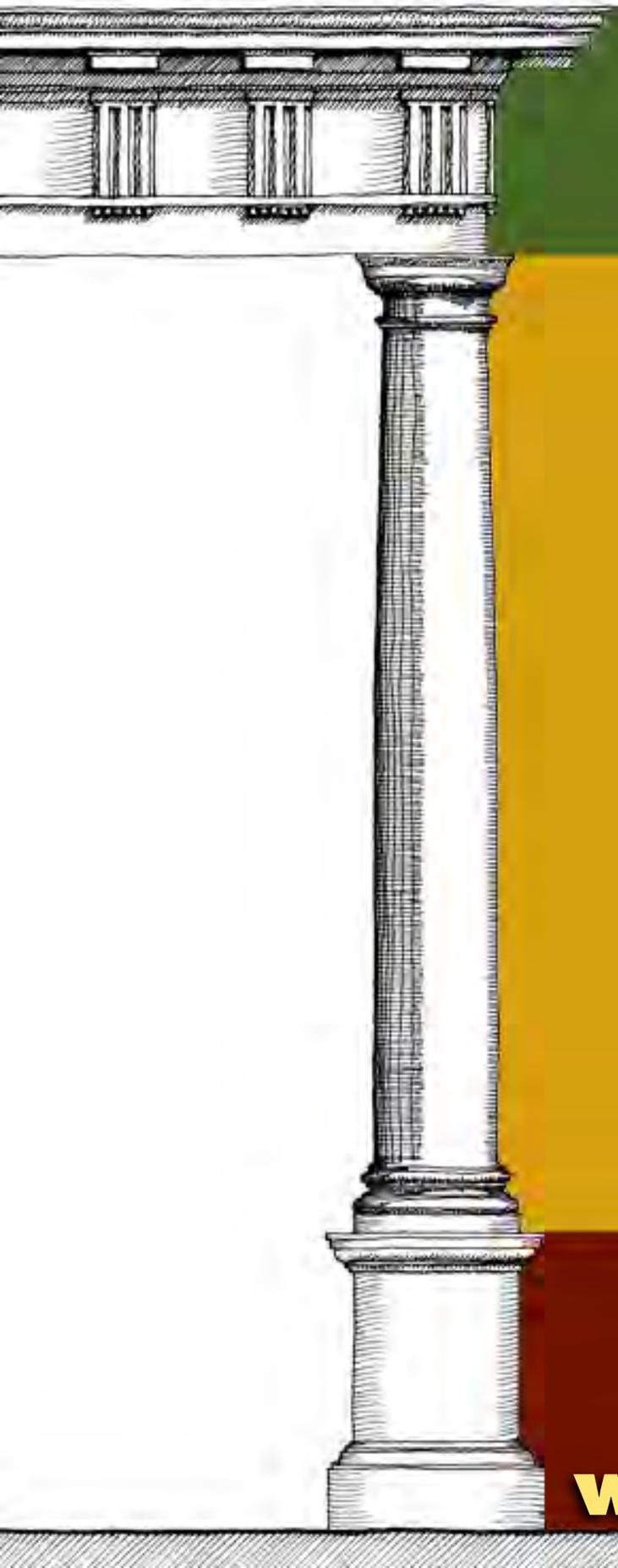

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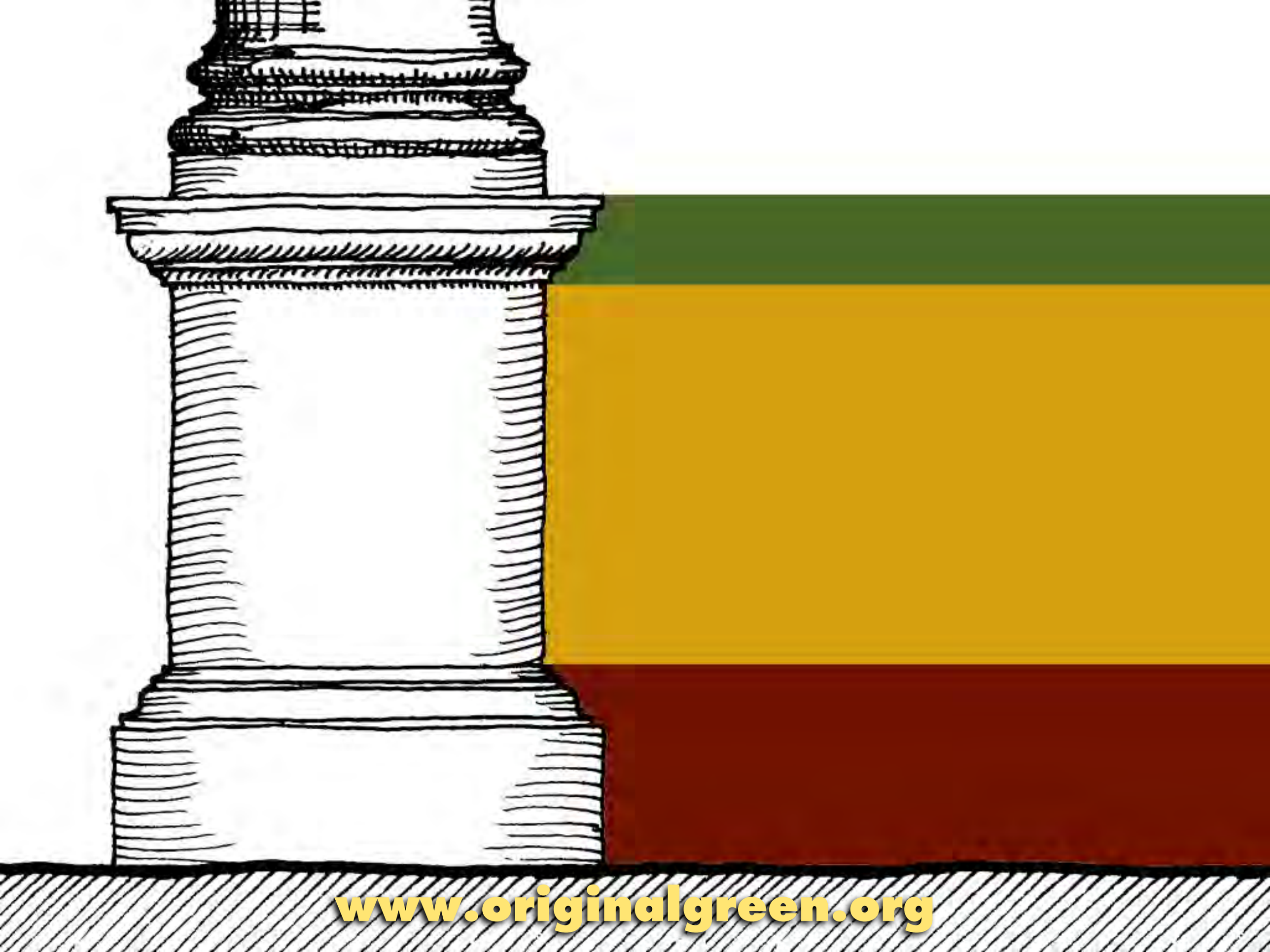
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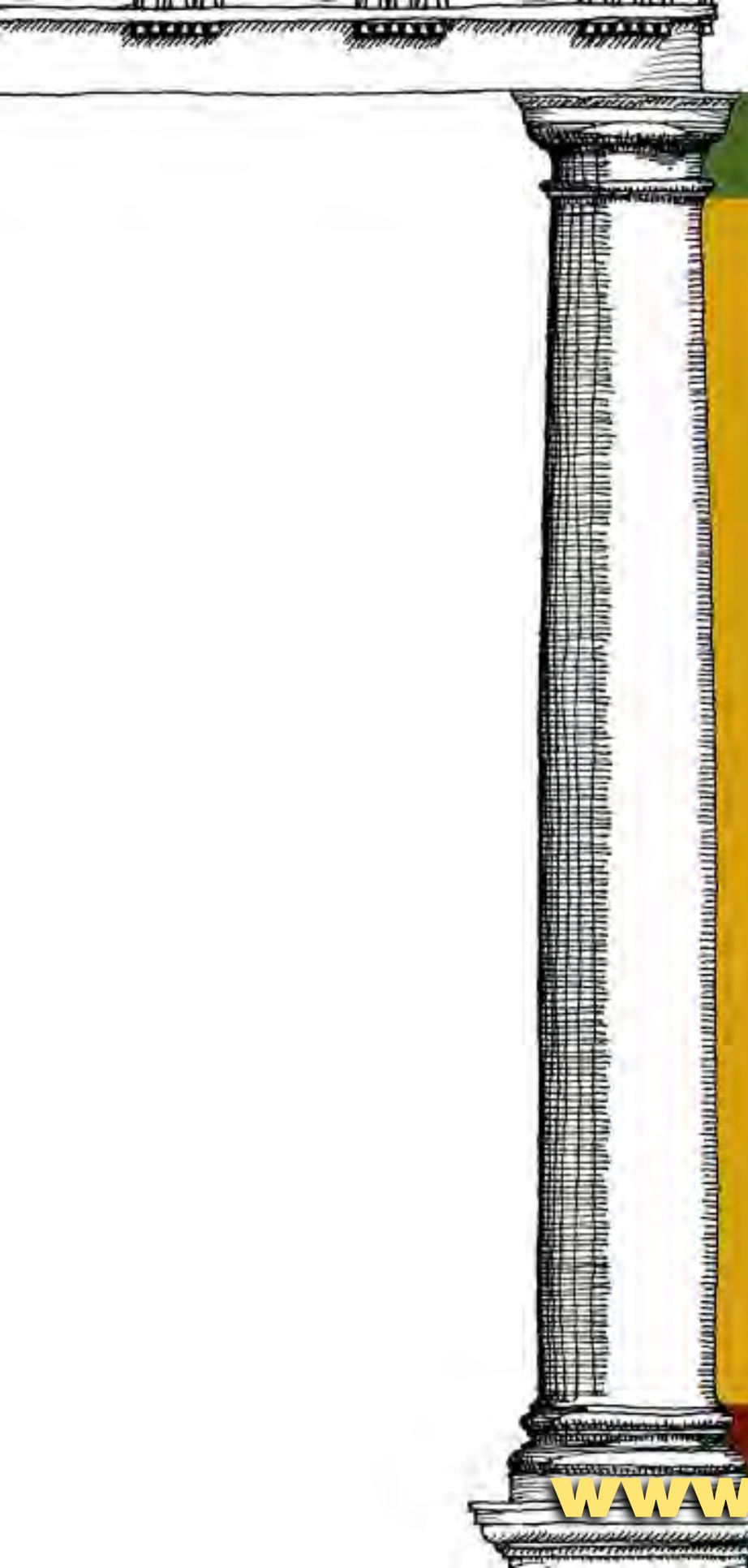

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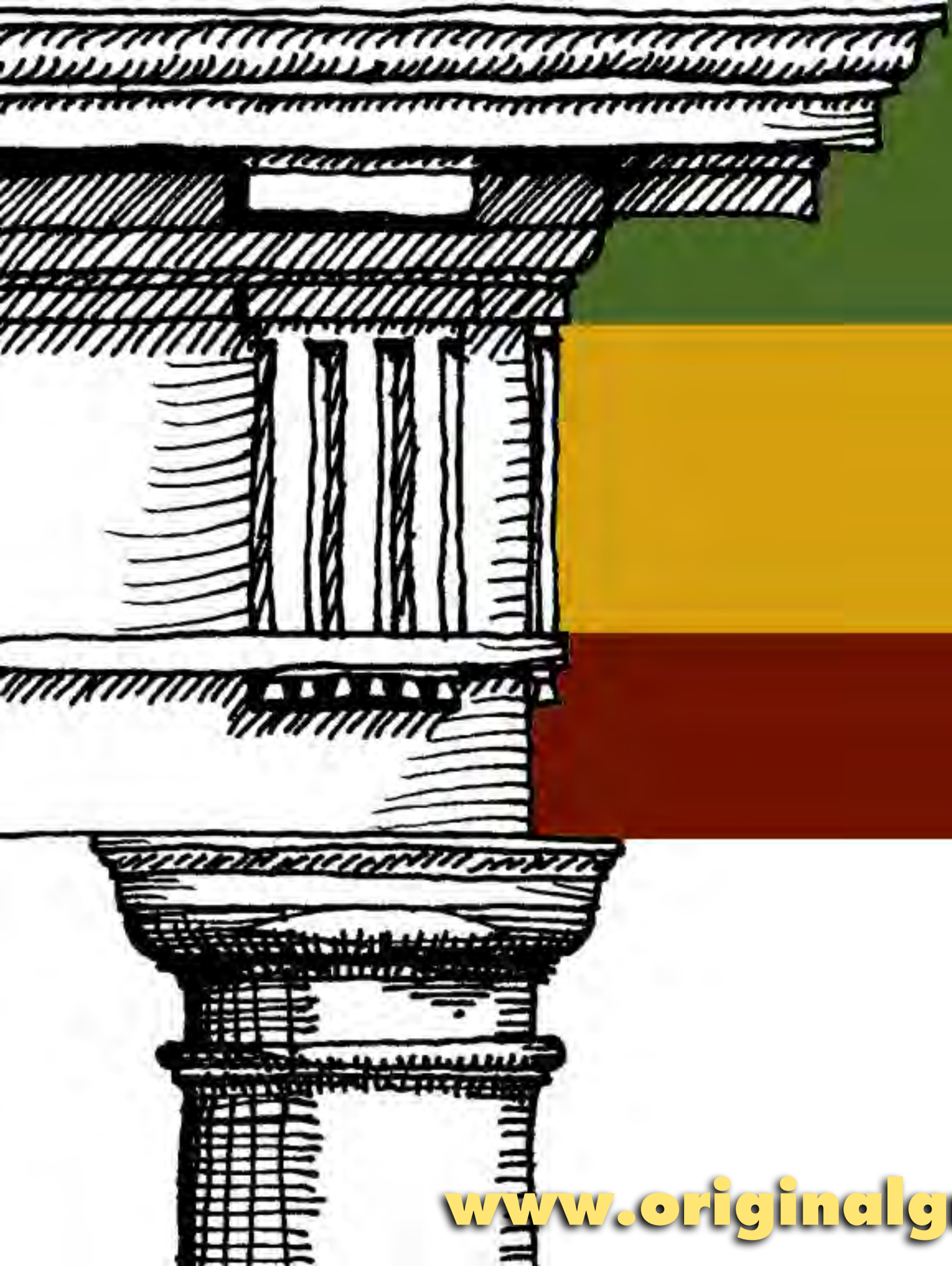

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ARCHITECTURE
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Things *that* Delight Us

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

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Sensual Delight
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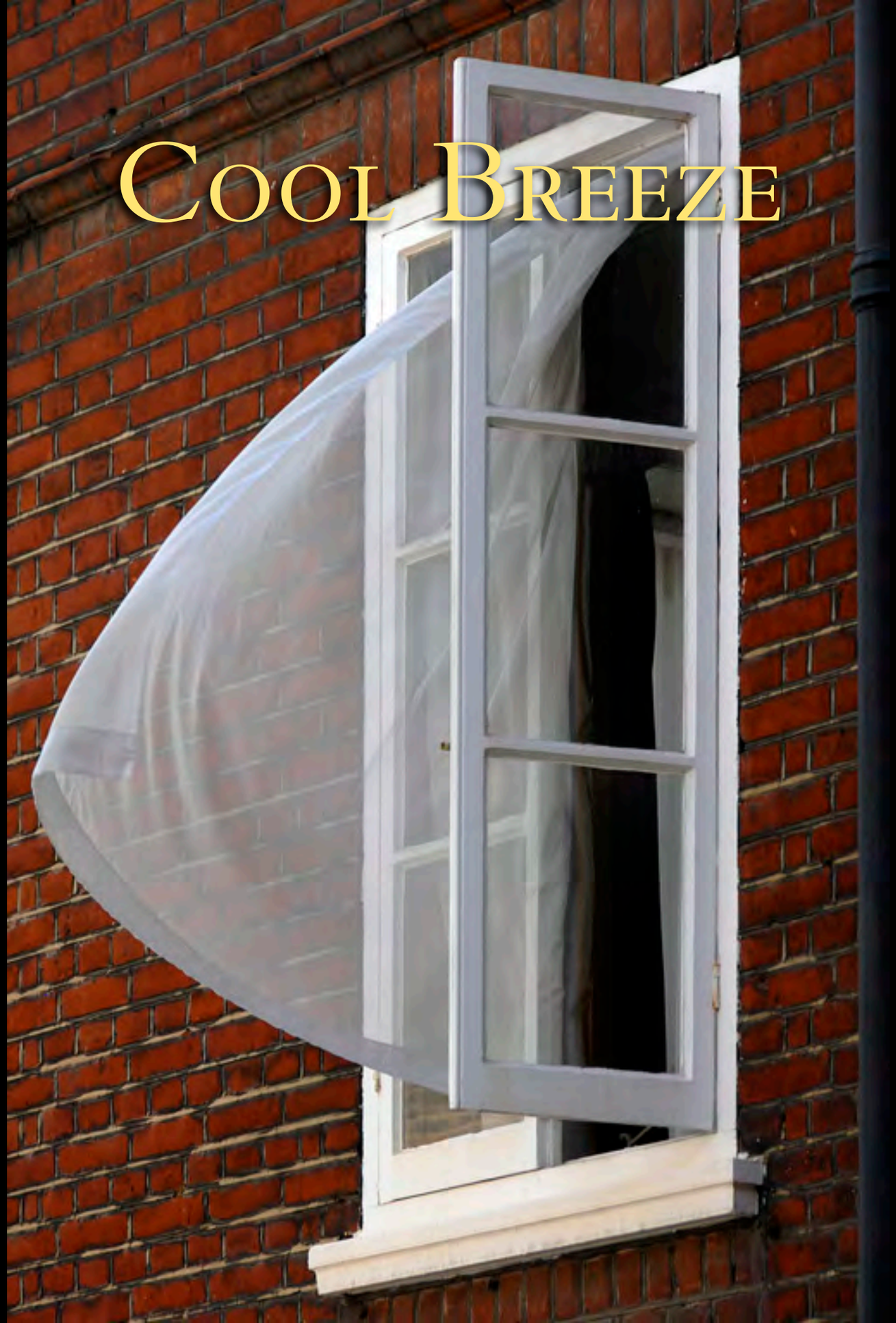
Warmth



Cool Breeze

Sounds

Sights

Group Delight
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Sports

Political Assembly

Social Assembly

Setting *the* Stage

- ★ Accidental Meetings
- ★ Geometry

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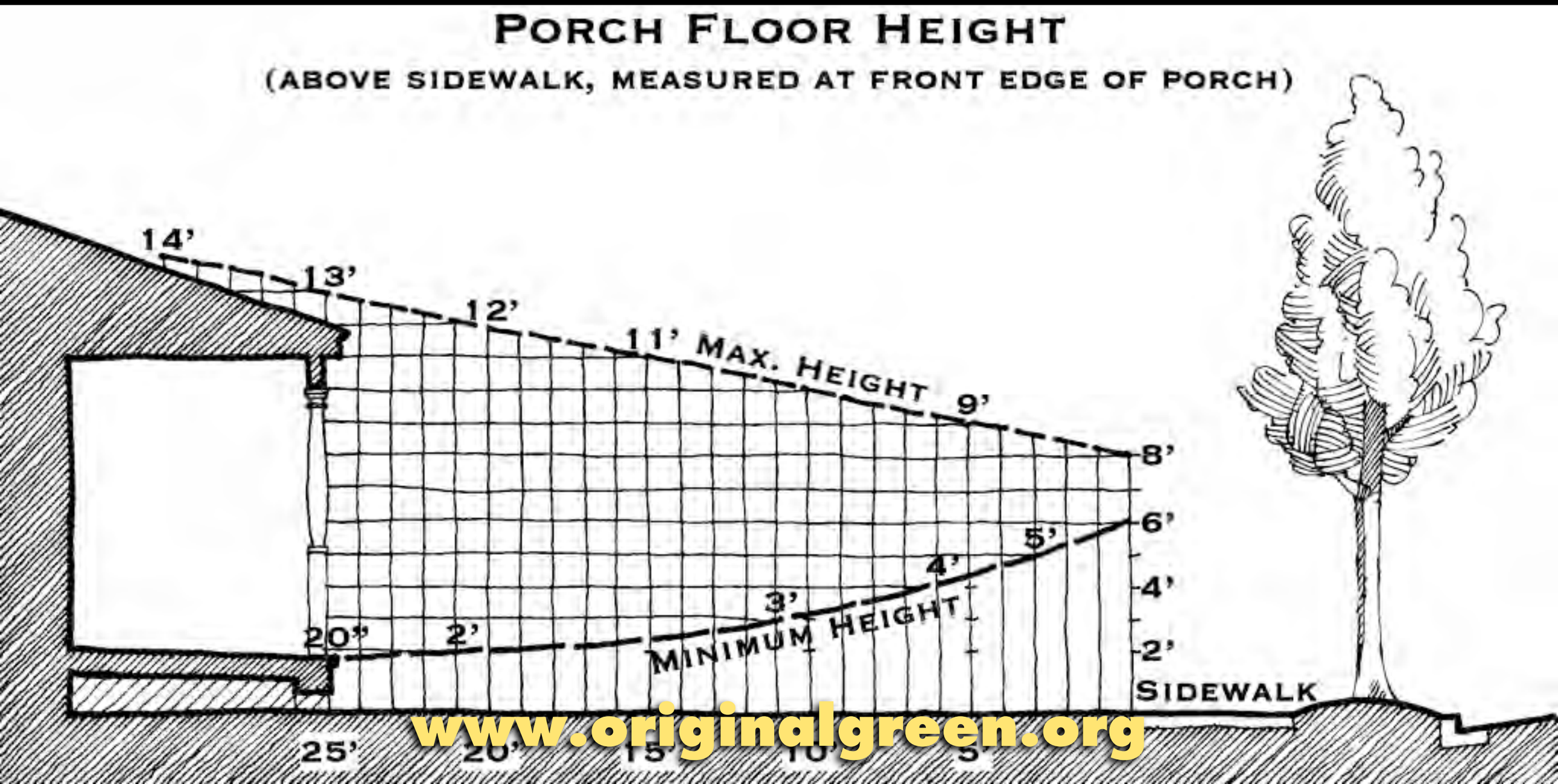
Front Porch Principles



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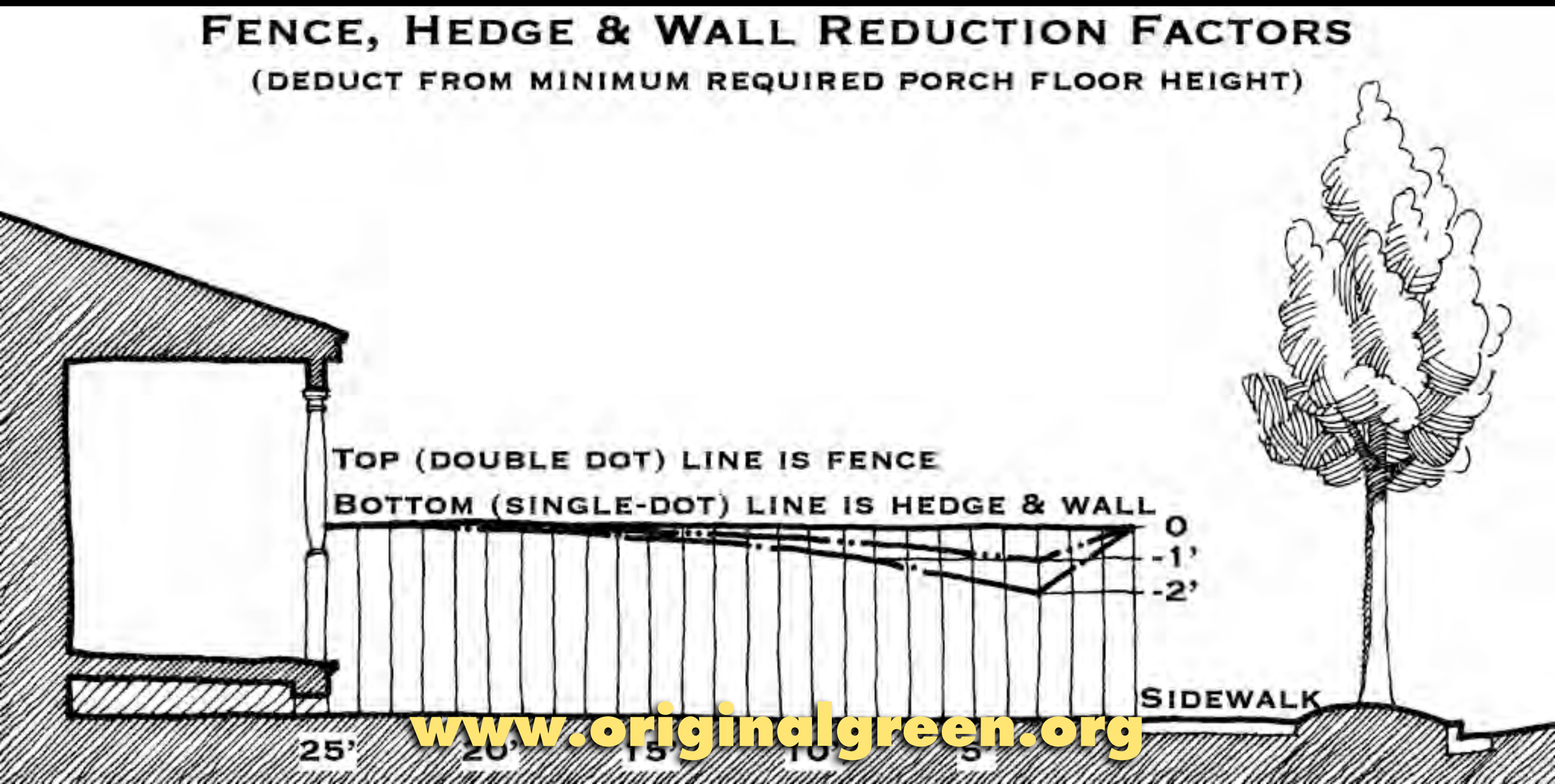
Front Porch Principles



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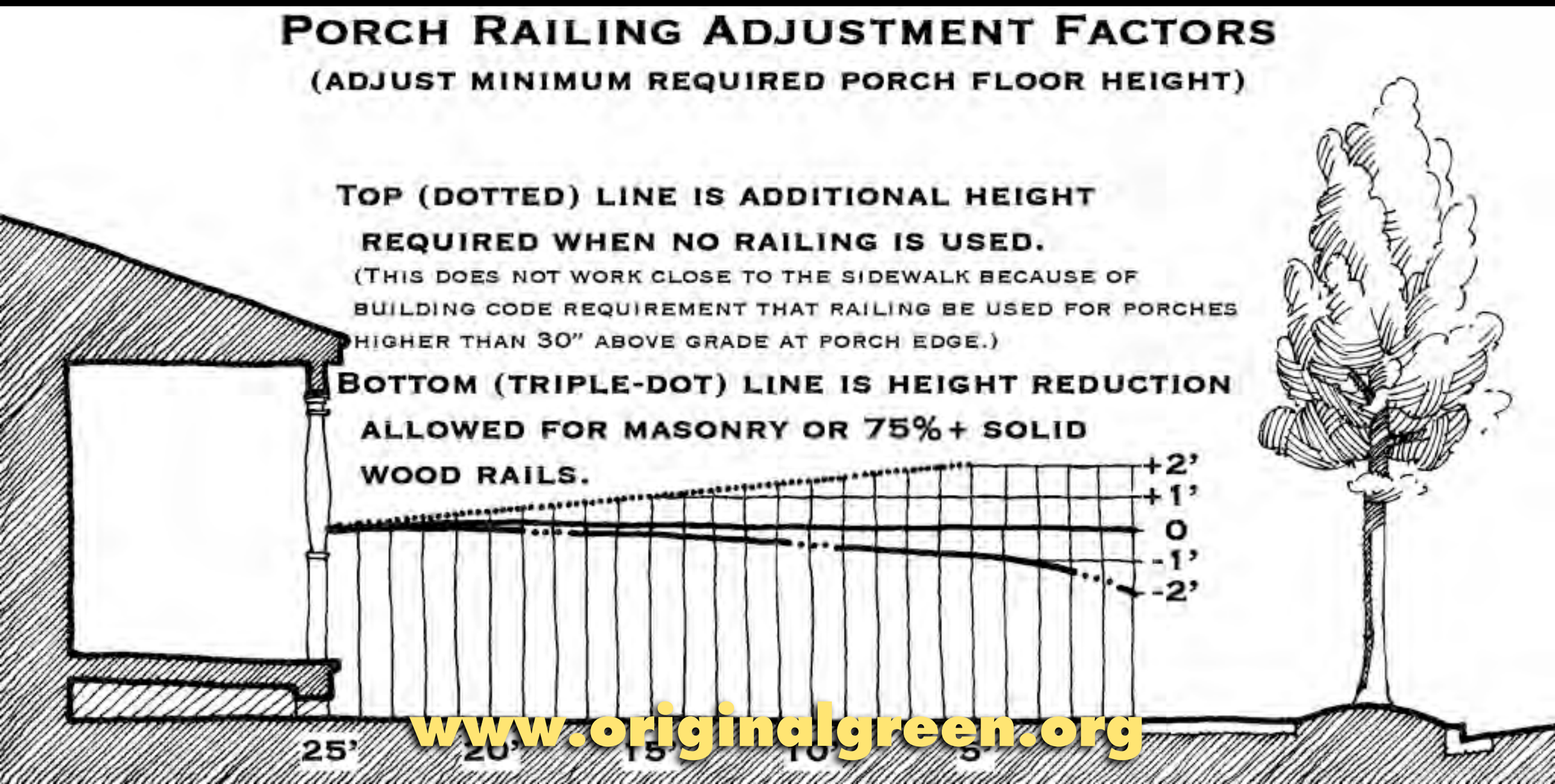
Front Porch Principles



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Memory Delight

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Intellectual Delight
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Sheltering Delight
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Embracing Spaces

Challenging Delight

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Bracing Places

Things *that* Put Us *in* Harmony

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

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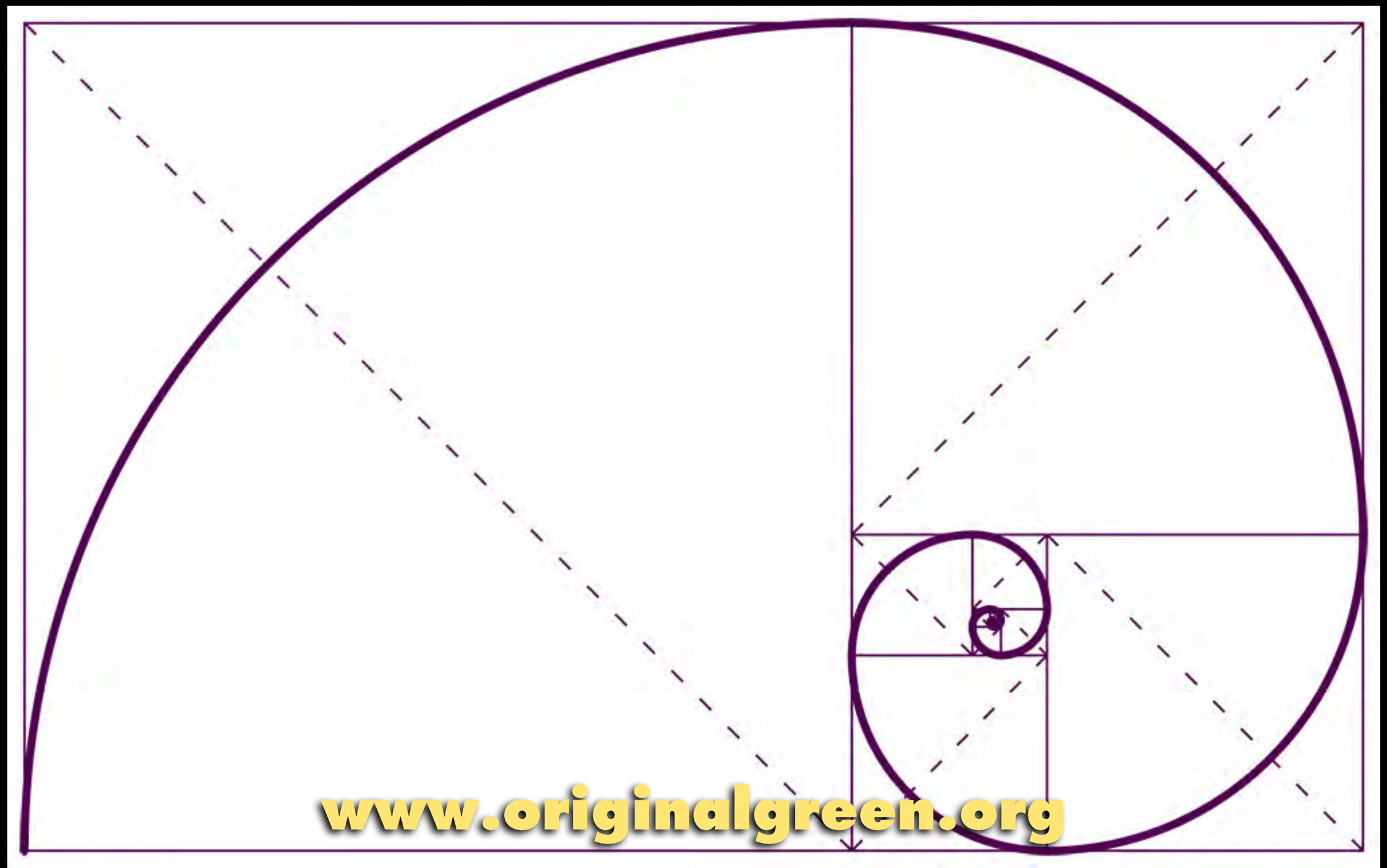
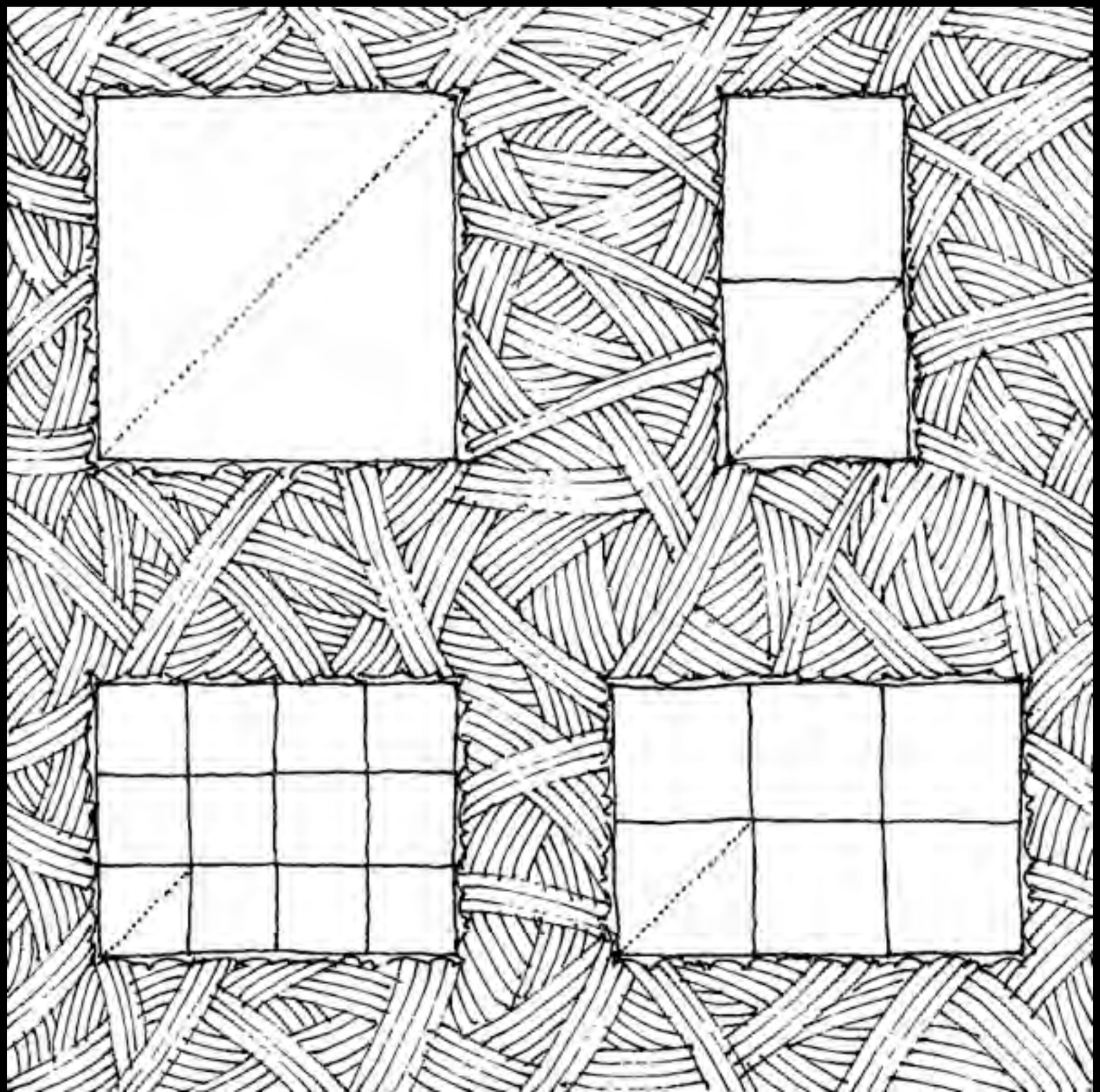
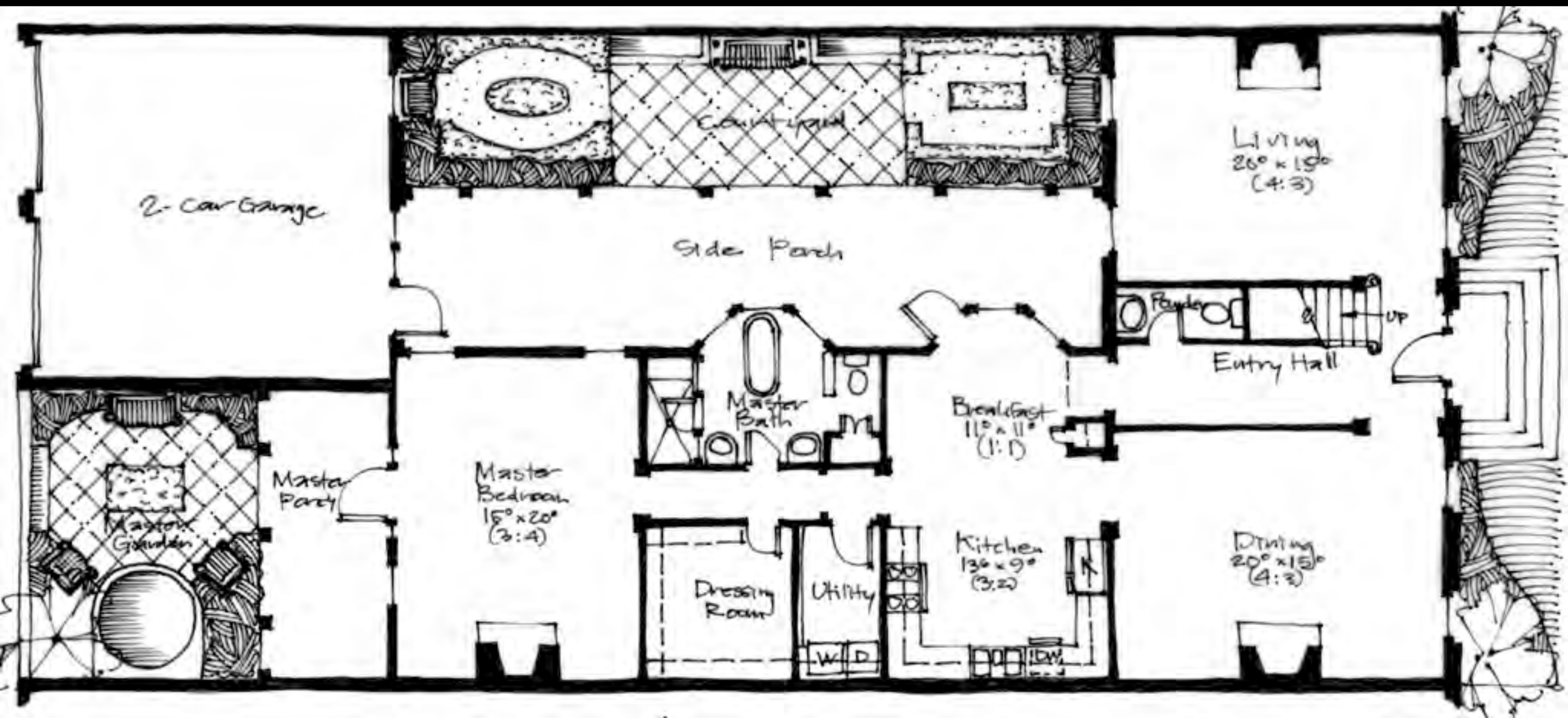
Mathematical Harmony



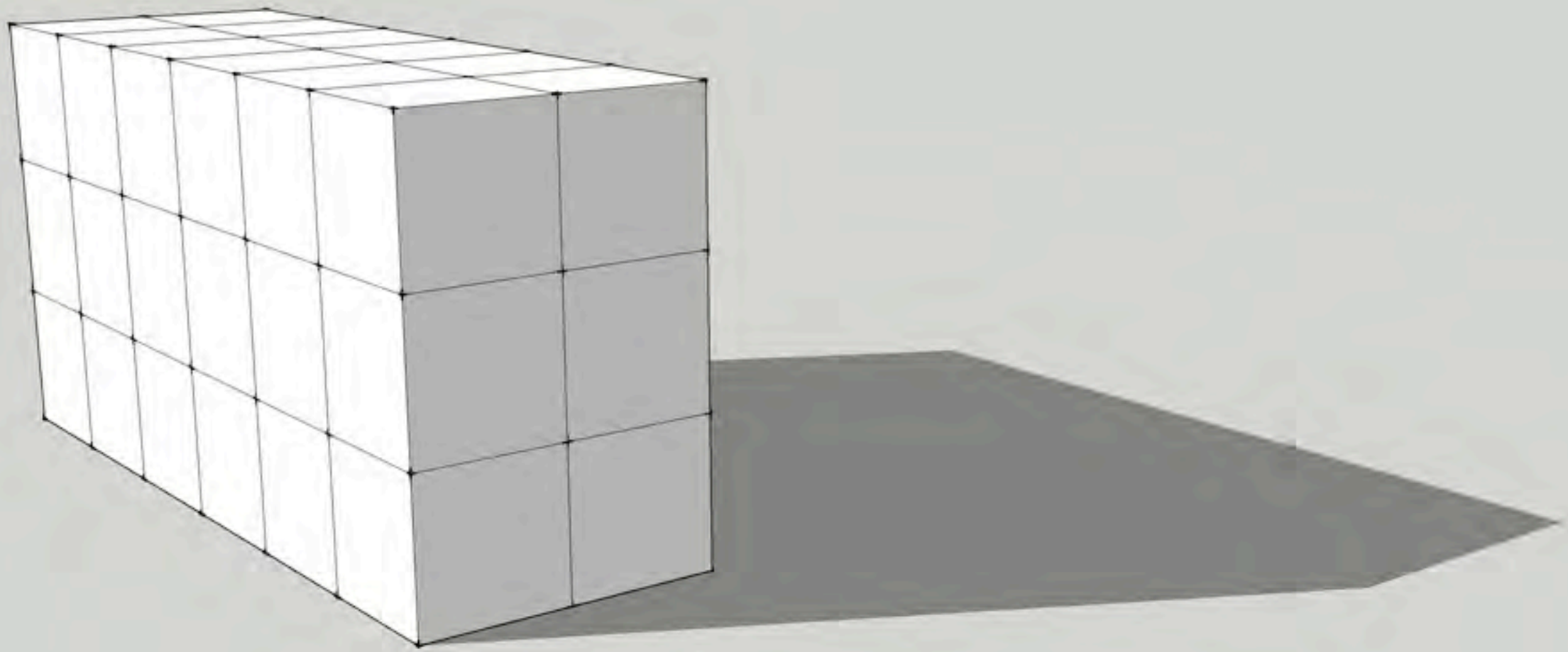
Rational Proportions



Plan Proportions



The Third Dimension



Harmony *with* Natural Processes

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Harmony *with* Natural Laws

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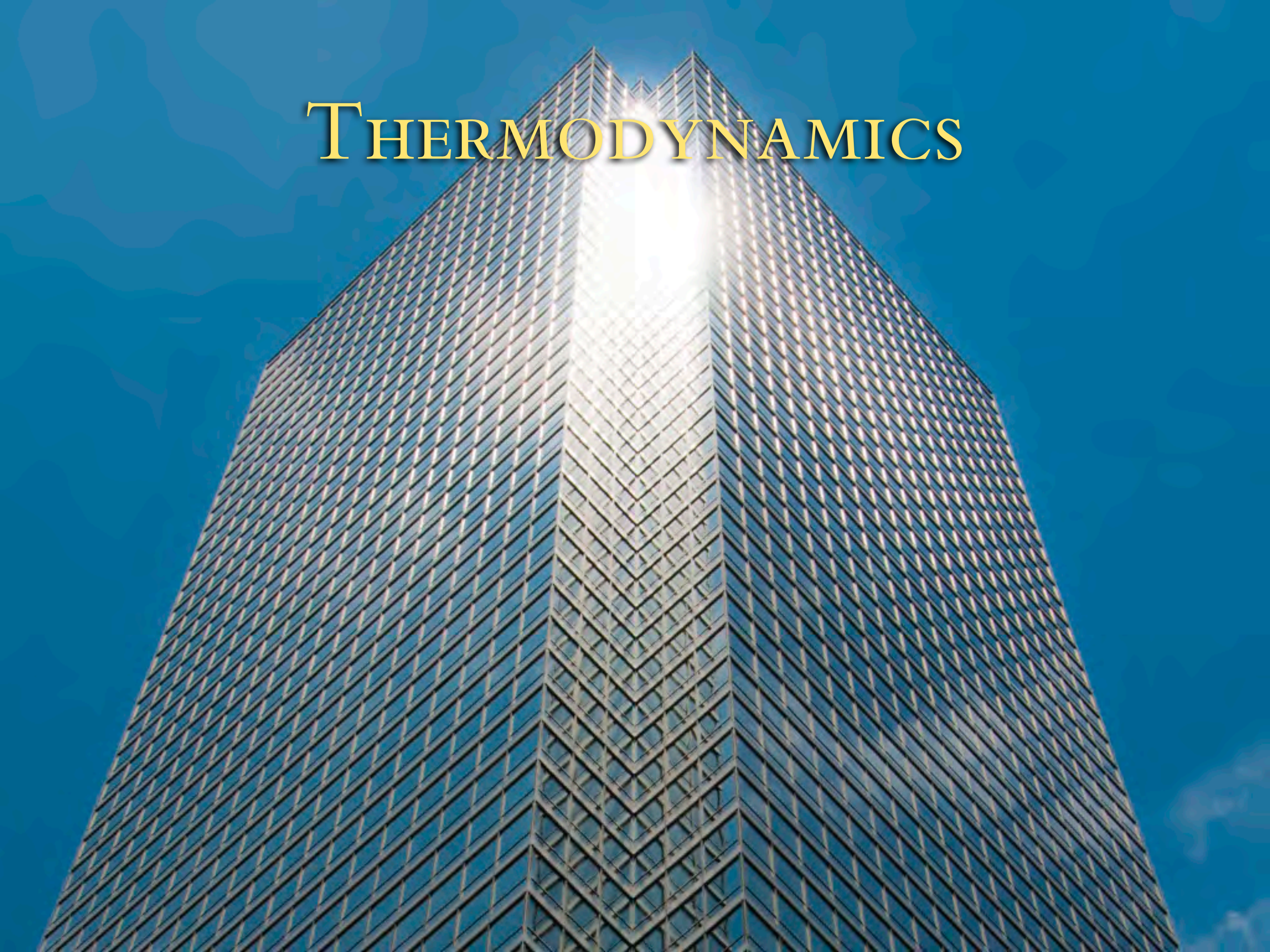
Gravity

Thermodynamics



Harmony *of* Natural Forms

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Harmony *with the* Region

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Vernacular Questions

- ★ No Universally Lovable Style
- ★ Tuned *to* Localities, *but*...
- ★ Loved *by* People Around *the* World?
- ★ Not Designed *to be* Lovable, *but to* Meet Needs
- ★ Sense *of* Basic Appropriateness... Is This *the* Key?

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Beaufort

Pienza

Ridiculous

The Human Hand

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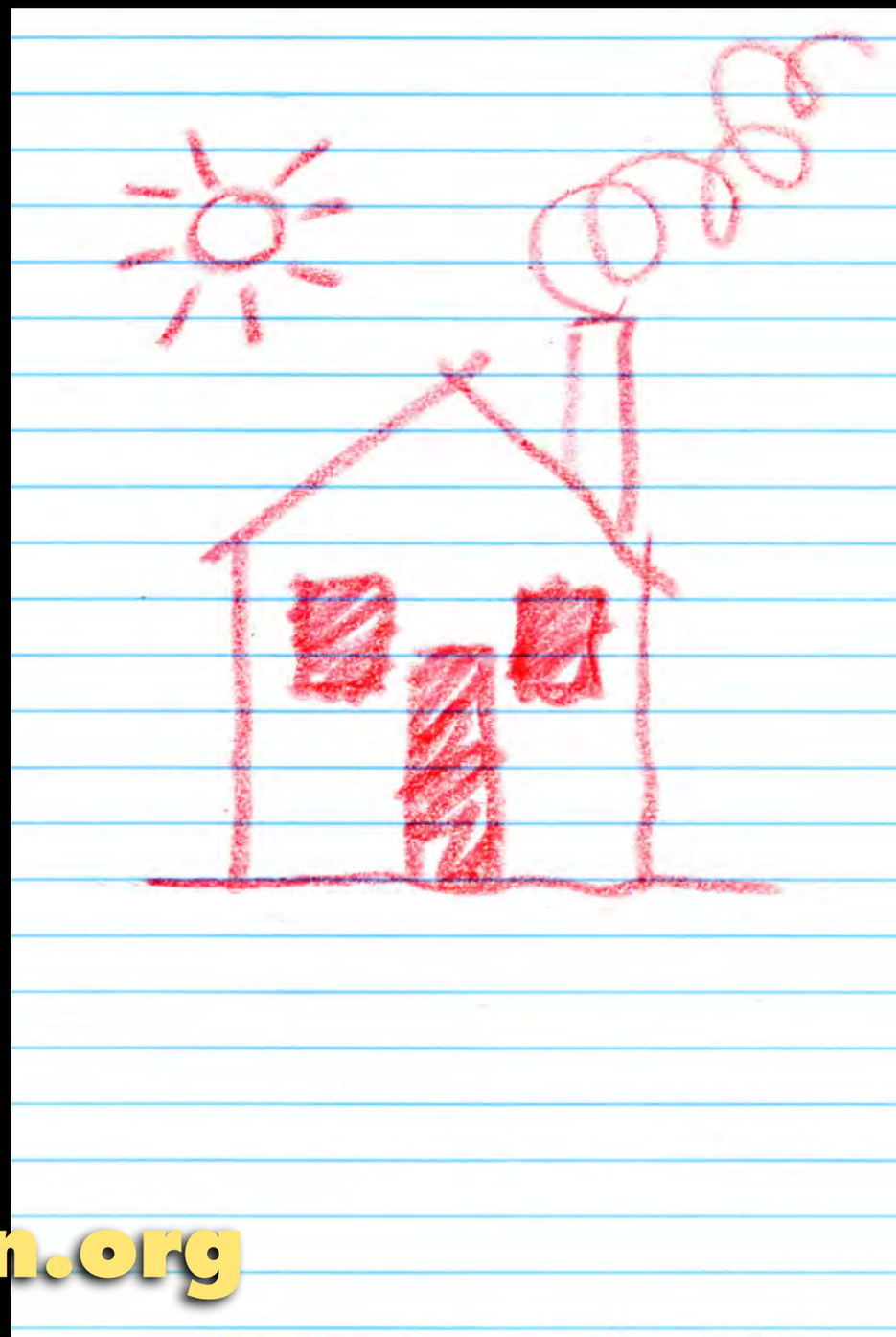
Hardwiring

- ★ At Birth
- ★ Children & Houses
- ★ Stacking *the* Deck



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Durable Buildings

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Unnaturally Used Materials

Naturally Used Materials

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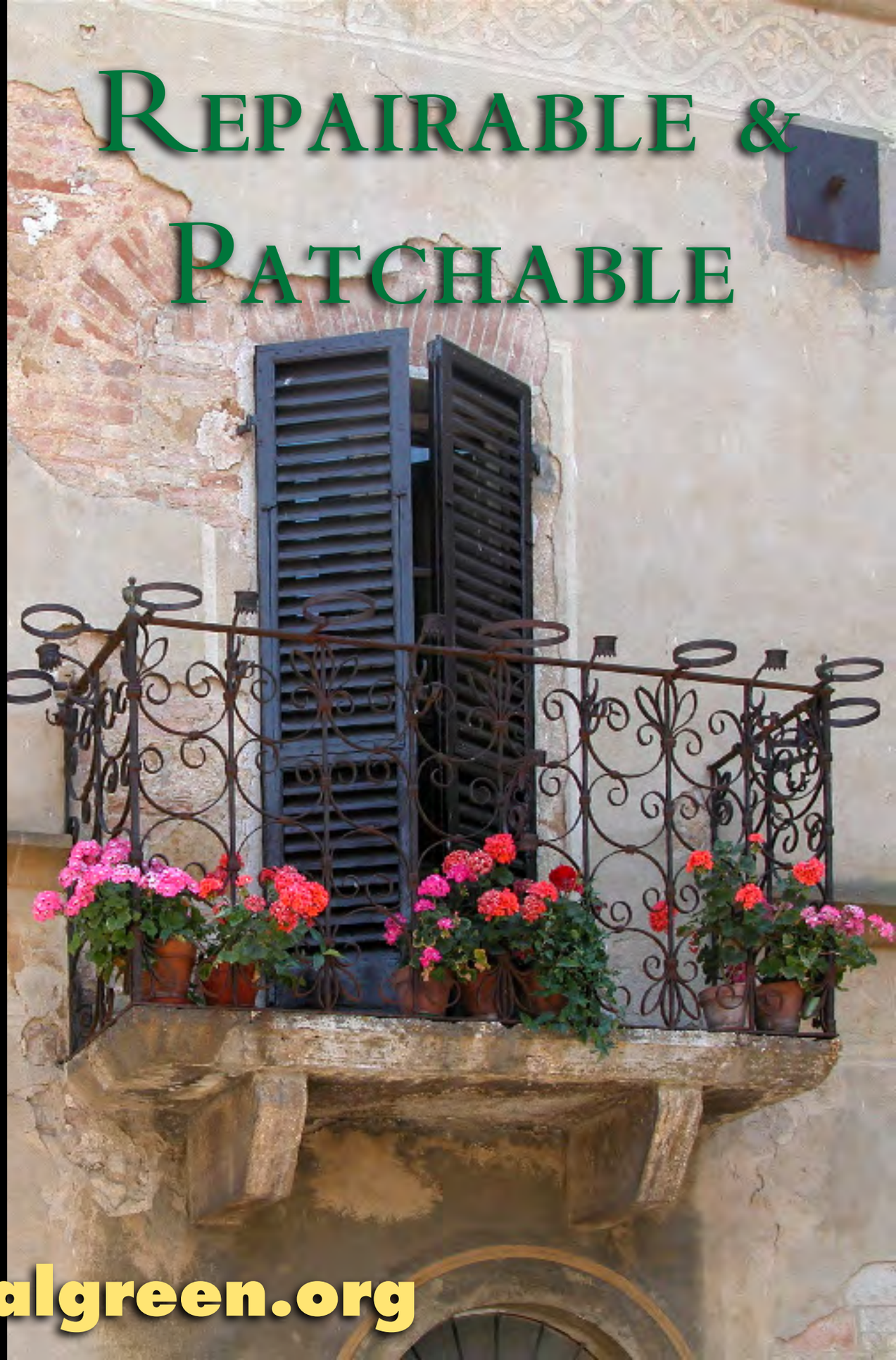

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Flexible Buildings

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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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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

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

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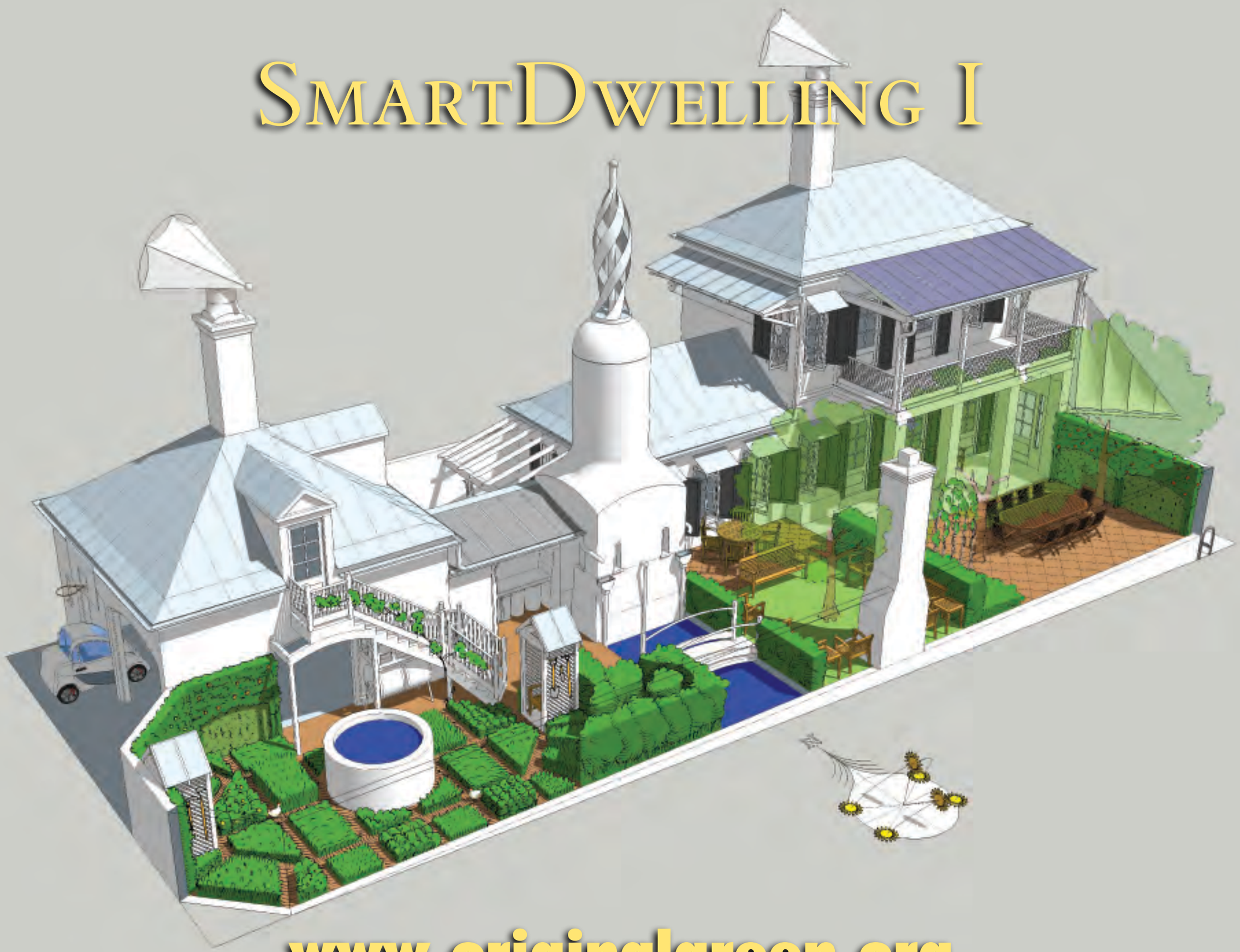
SmartDwelling I



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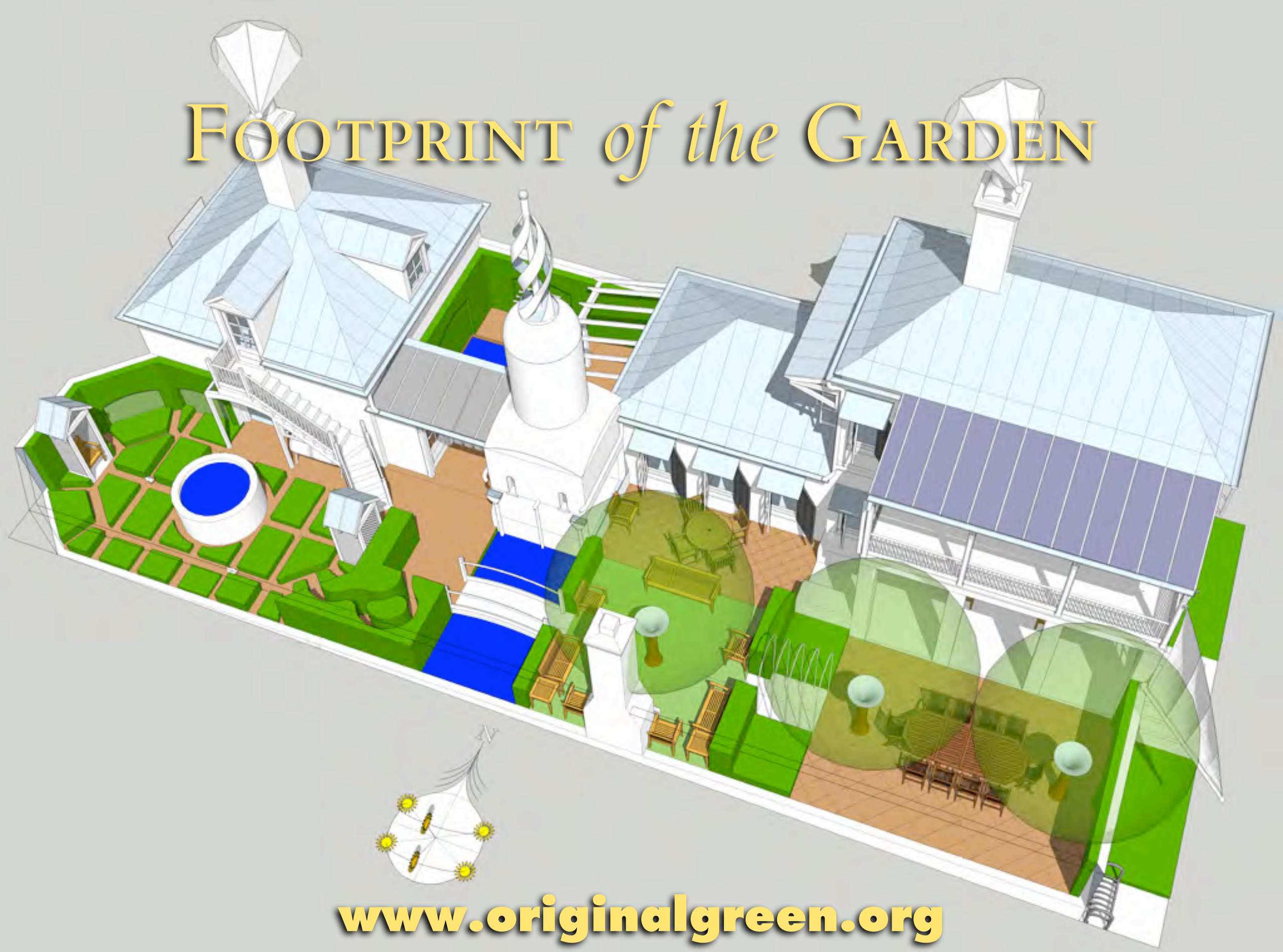
Footprint *of the* Garden



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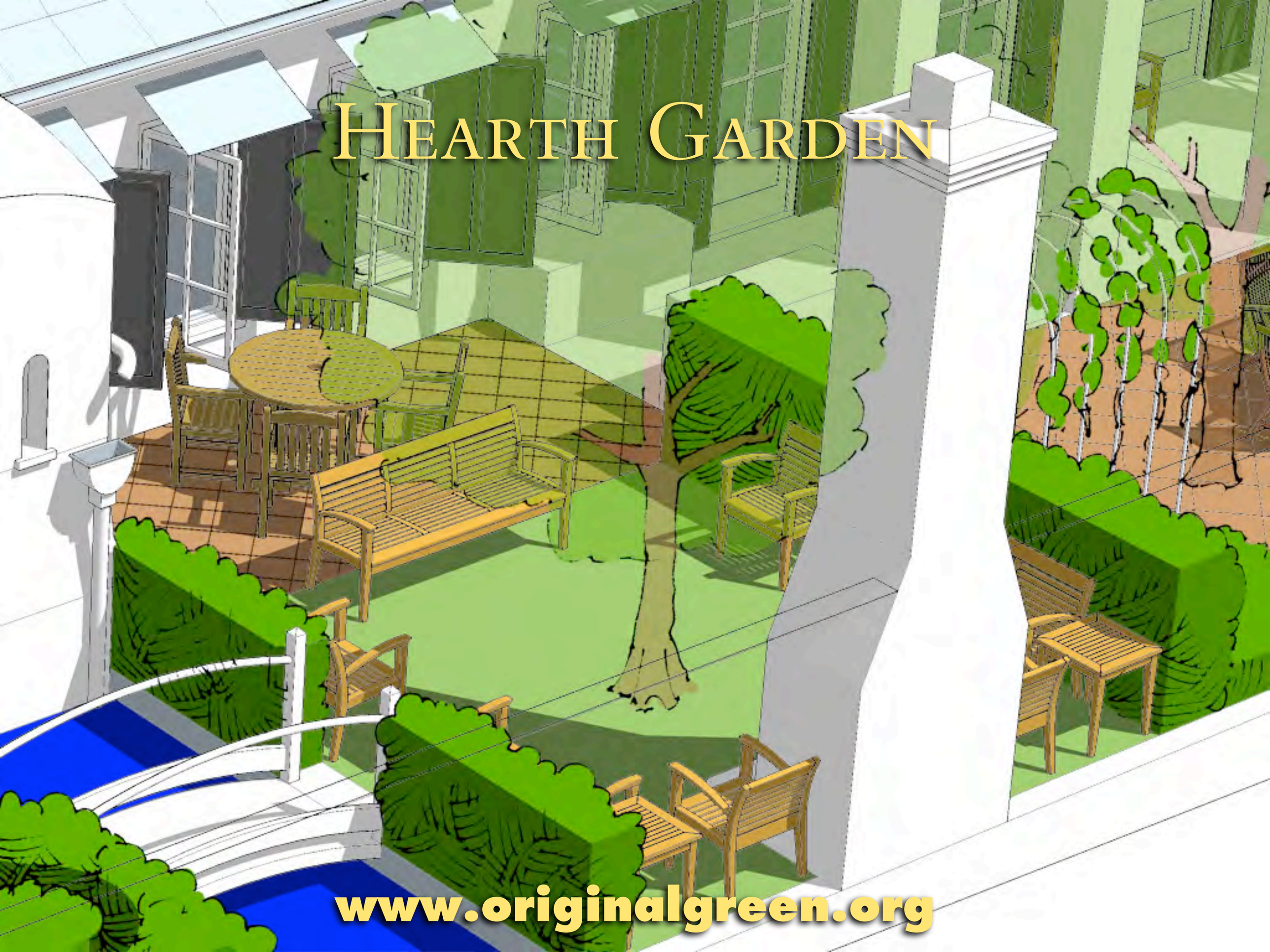
Hearth Garden
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Kitchen Garden

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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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Invisible Things

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Windows *and* Shutters

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Laundry Eave

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Chickens *and* Compost

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Green Wall
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Cool Dip *in the* Master Garden

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Sideyard Sail
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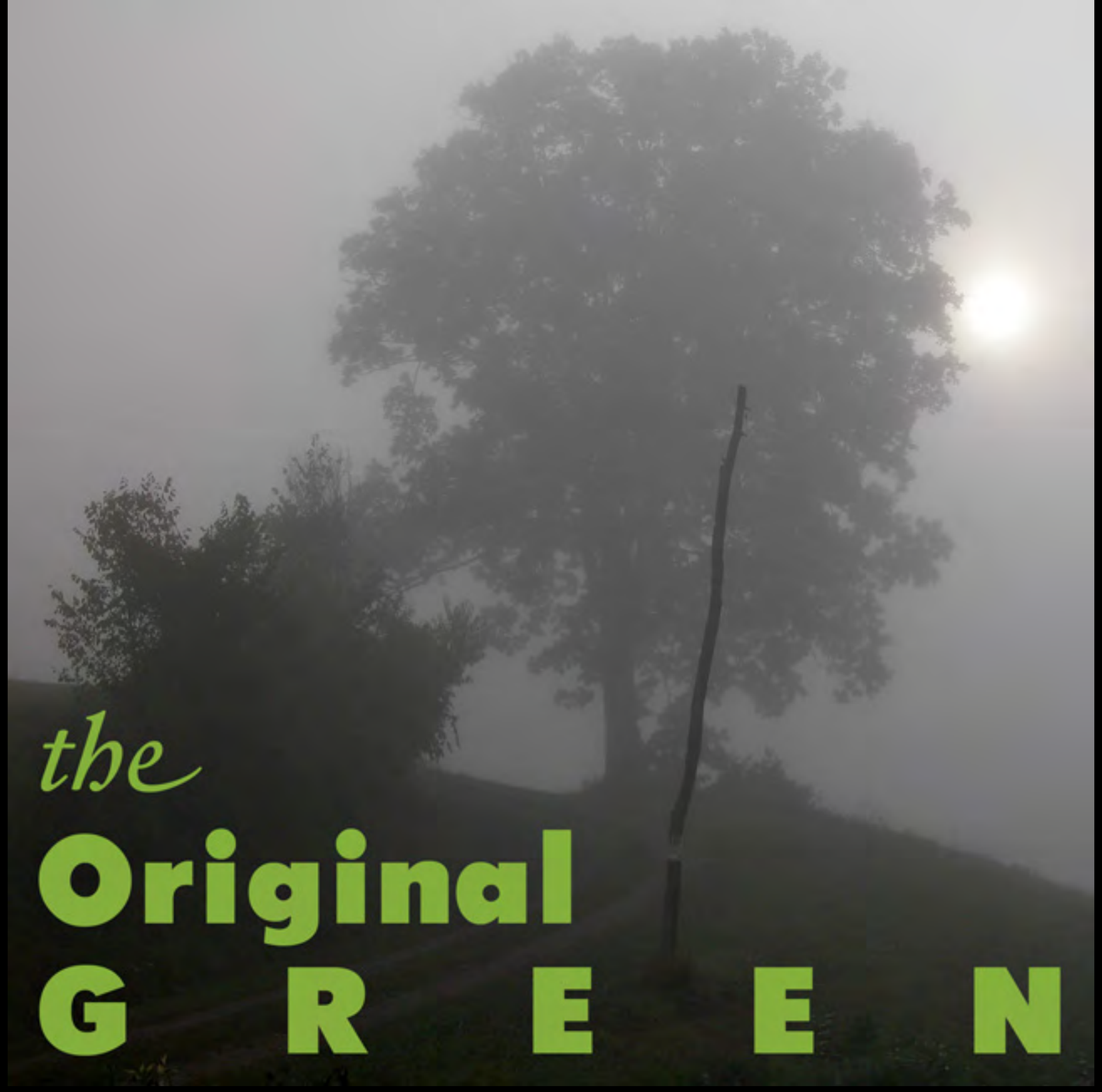

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