the Original Green

Culture of Building Summer Program

New Orleans
12 August 22

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

PLACES

nourishable
accessible
serviceable
securable

BUILDINGS

lovable
durable
adaptable
frugal
Accessible Places

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Serviceable Places

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Securable Places

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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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SHARING 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
the Specialists’ Way

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NATURE’S WAY

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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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Sensual Delight

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Warmth
Cool Breeze
Sounds
Political Assembly
Social Assembly
SETTING the STAGE

★ Accidental Meetings
★ Geometry

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Front Porch Principles

Porch Floor Height
(Above sidewalk, measured at front edge of porch)
Front Porch Principles

Fence, Hedge & Wall Reduction Factors
(Deduct from minimum required porch floor height)

Top (double dot) line is fence
Bottom (single-dot) line is hedge & wall

0
-1'
-2'

25'  20'  15'  10'  5'

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Front Porch Principles

Porch Railing Adjustment Factors

(Adjust minimum required porch floor height)

Top (dotted) line is additional height required when no railing is used. (This does not work close to the sidewalk because of building code requirement that railing be used for porches higher than 30” above grade at porch edge.)

Bottom (triple-dot) line is height reduction allowed for masonry or 75%+ solid wood rails.

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MEMORY 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

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Rational Proportions
Plan Proportions
The Third Dimension
Harmony with Natural Processes

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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?
★ Sensed (Vernacular) vs. Known (Classical)
★ or Unconsciously vs. Consciously Beautiful
★ Heat the Knife vs. Butcher the Butter

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the Classical Ideal

CHARLESTON   COTSWOLDS   NANTUCKET   SANTA FE   NEW ORLEANS   BERMUDA
Pienza
Ridiculous
The Human Hand

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Hardwiring

★ At Birth
★ Children & Houses
★ Stacking the Deck

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THE REGIONAL CANON

★ Regional Limitations > Necessity > Invention

★ Millions of Minds

★ Inventiveness of the Pre-Employed

★ Inventiveness of Practice

★ Inventiveness of Age & Experience

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Stacking the Deck

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Durable Buildings

★ Commodity vs. Proprietary Product
★ Repairable & Patchable
★ Attachment
★ Stretching Carbon
★ Materials
★ Instructed Operation
★ Margin of Error
★ Timeframe

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Strength vs. Durability

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ATTACHMENT TO SHELL

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No Maintenance = Maintenance-Proof

Charming Patched

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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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Adaptable Buildings

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Proximity to Street

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Simplicity of Circulation

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Pipes

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Unnatural Growth

Natural Growth

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Frugal Buildings

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Lost in the Science

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Oblivious to the Storm

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GIZMO GREEN and the MELTDOWN

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The Original Green

PLACES

- Nourishable
  - Organic Farming

- Accessible
  - Compact & Walkable

- Serviceable
  - Diverse

- Securable
  - Identity

BUILDINGS

- Lovable
  - Living Codes
  - Living Traditions

- Durable
  - Living Traditions

- Flexible
  - Living Traditions

- Frugal
  - Gizmo Green

SERVICEABLE

- Placable
  - Living Traditions
THERMOSTAT WARS

TO ALL EMPLOYEES
VERY IMPORTANT!!!

PLEASE DO NOT TAMPER WITH
THE
THERMOSTAT

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MIAMI HEAT

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LIVING IN SEASON

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Most Efficient Equipment

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Public Realm

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

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Private Realm

★ Courtyards
★ Gardens

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Cost Savings
Footprint of the Garden

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How Green is Grass?

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Garden Room

Principles & Parts

★ Types
★ Orientation
★ Proportion
★ Shapes
★ Walls
★ Floors
★ Ceilings
★ Doors
★ Furnishings
★ Fixtures

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Room Types

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Breakfast Terrace

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Dinner Garden

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Hearth Garden

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Kitchen Garden

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MASTER GARDEN

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Smaller & Smarter

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Double the Size
~
Half the Family

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Small is the New Luxury

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Breezeway Expansion

Dimensions:
- 47' 4"
- 35' 10"

Areas:
- Living Room/Breezeway: 18' 0" x 13' 9"
- Bedroom: 13' 9" x 10' 2"
- Bedroom: 13' 9" x 10' 2"
- Bedroom: 13' 9" x 10' 2"
- Bathroom: 5' 8" x 8' 4"
- Keeping Room: 13' 9" x 15' 10"
- Rear Terrace
- Dining Alcove: 13' 9" x 9' 5"
- Entryway
- Powder Room: 5' 4" x 5' 0"
- Home Office

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SHOTGUN EXPANSION

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SIDE COURT EXPANSION

BEDROOM 12-10 x 13-7

LIVING ROOM 17-8 x 13-7

BATH 5-0 x 7-9

SIDE PORCH

OFFICE 5-6 x 5-0

KEEPING ROOM 15-10 x 13-9

BOOTH

ENTRY

FRONT PORCH

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Booth or Table

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Dining/Office/HomeWork Booth

Beam made up of double 2x12 over flat 1x8 over 6x6

Column chamfered as shown; capitals are 2x2 w/1/16" quarter round below.

Architect suggests using salvaged base for table & church pew for bench components

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Insulating Bed Alcove

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Insulating Bed Alcove

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Nooks & Armoires

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Reduced 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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Recycle vs. Reuse

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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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Cross-Ventilation

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Ventilating Windows

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Interiors Breezes

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Daylighting

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Daylighting

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Green Envelope – Rural
Green Envelope – Urban
Clothes Drying

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Solar Panels

- Hot Water
- Photovoltaic

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WATER

★ Site Irrigation

★ Rainwater Reuse

★ Greywater Reuse

★ Cool Dip

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SITE IRRIGATION

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Greywater Reuse

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Main Level Elevation

8'-6" MINIMUM T2-T4
13'-4" MINIMUM T5 & T6

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Wall Base
Roofs

★ Shapes

★ Edges

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ROOF SHAPES

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O

verhang

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ROOF SLOPE

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Sacrificial Eave

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Openings

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Hurricane Storefront

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Elements

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Storm Surge Piers

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Storm Surge Piers

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Balcony Support

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