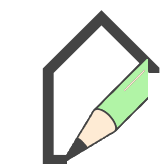


Du terre

K.JOSEPH DESIGNS



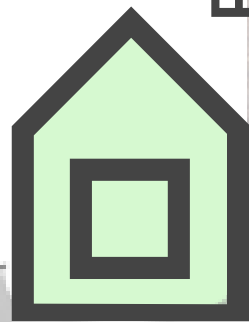
DRAFTING



GREEN DESIGN
CONSULTING



BYLAW
PLANNING

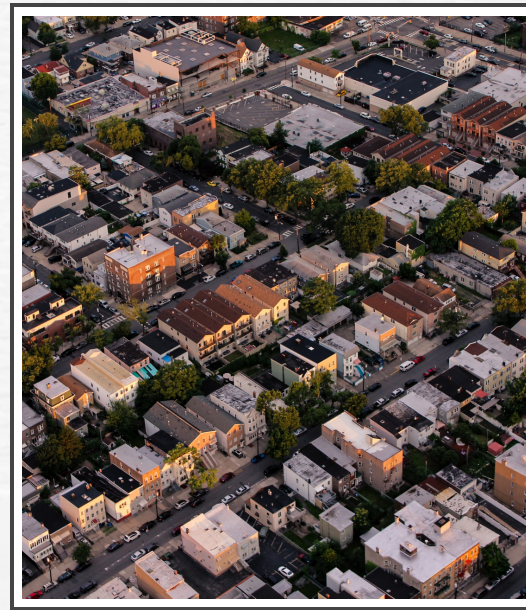


Personal Guidelines, Prescriptive Specifications **AND** Case Studies

GUIDELINE TOPICS



UNIVERSALITY
prelude



BLUE ZONE MIMICRY
postscript

Adapted - 6 Pillars of Earthship Design



WHOLE BUILDING DESIGN AND CONSTRUCTION
topic 1



SUSTAINABLE MATERIALS AND SOURCING
topic 2



ENERGY ACCESS AND MANAGEMENT
topic 3



NET POSITIVE WATER MANAGEMENT
topic 4



WASTE PROGRAMS
topic 5



FOOD PRODUCTION
topic 6

GUIDELINE TOPICS



UNIVERSALITY

- 7 Principles - University of North Carolina
- Accessibility standards
- Aging in place

WHOLE BUILDING DESIGN AND CONSTRUCTION

- Integrated Design Teams
- Low-impact Substructures
- High Performance Structures and Envelopes
- Mechanical Systems
- Exterior Finish and Interior Finish

SUSTAINABLE MATERIALS AND SOURCING

- Material Choices
- Construction Processes
 - Energy Input
 - Circular Economy Practices
 - Low Impact Strategies
 - Fair Labor and Trade
- Localized Economic Growth Rating System

ENERGY ACCESS AND MANAGEMENT

- Access / Generation
- Storage
- Utility and Management
- Energy Conservation
- Passive Strategies

GUIDELINE TOPICS



NET POSITIVE WATER MANAGEMENT

- During Construction Water Control
- Access / Collection
- Storage
- Use Points - 3 Cycle System

WASTE PROGRAMS

- Residential Waste Types
- Sanitation Value Chain
- Resources: Circular thinking

FOOD PRODUCTION

- Inputs
- Greenhouses
- Aqua/Hydro -ponics
- Regional Outdoors
- Livestock

BLUE ZONE MIMICRY

- Standards
- Permaculture and Site
- Sustainability Standards
- A Common House - Gathering spaces

MASLOW'S HIERARCHY



of **NEEDS**

Maslow's hierarchy is a widely appreciated standard for the interpretation of human needs. By cross referencing functions of a home with these inherent needs, we can build a foundational consideration for what a home should be able to offer to its tenants. It is important to note that Maslow's hierarchy was ultimately incomplete, he never did have the chance to finalize his work. The final human need; **Self-transcendence.**



5

Self-actualization

desire to become the most that one can be

4

Esteem

respect, self-esteem, status, recognition, freedom

3

Love and Belonging

friendship, family, intimacy, sense of connection

2

Safety needs

security, employment, resources, health, property

1

Physiological needs

air, water, food, shelter, sleep, clothing, reproduction