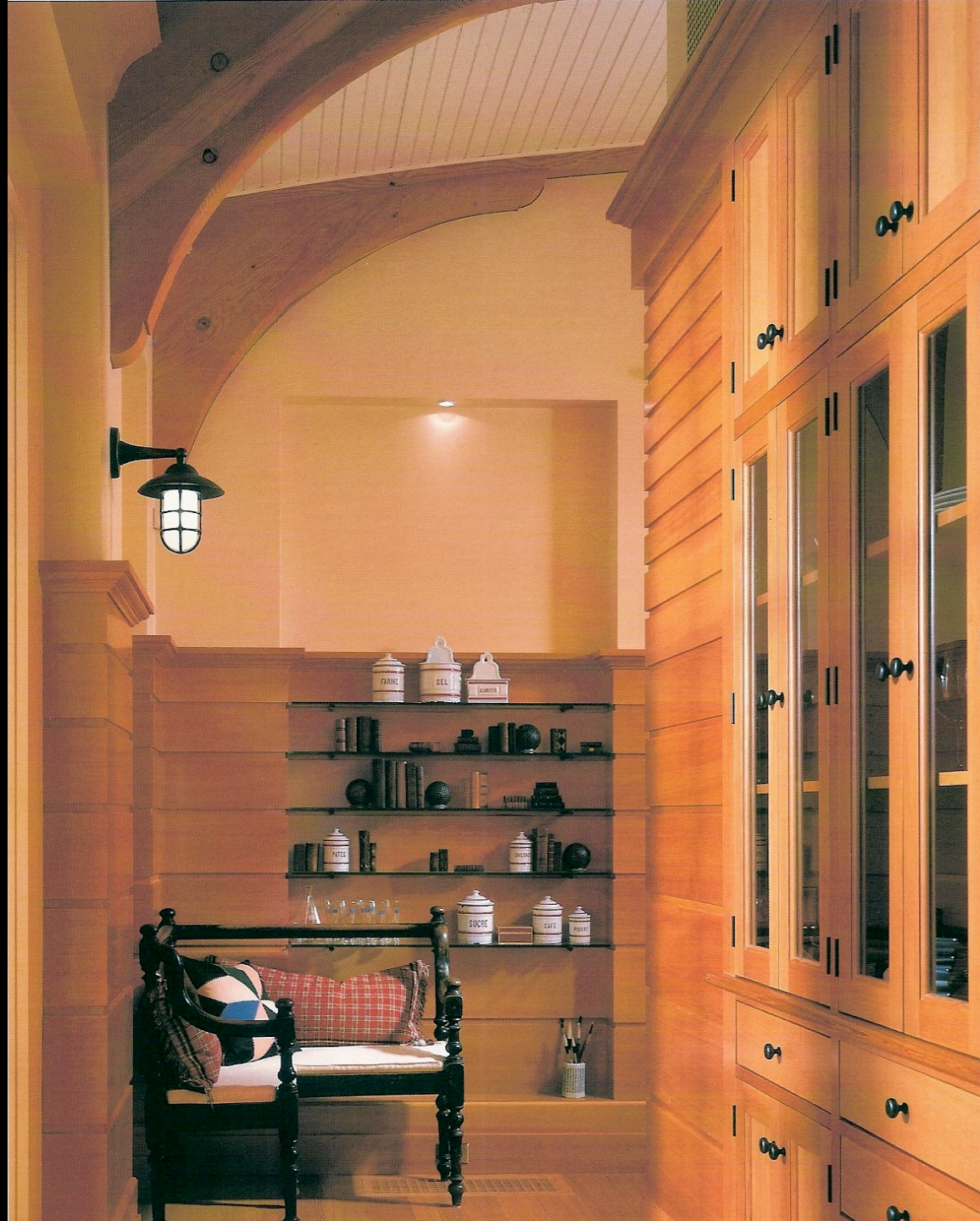


The architectural rehabilitation of Allan P. Shope

























BLAME

What are we going to fix?

ME

Status Quo

My designs are
the result
of many

***CONSTRAI
NTS***

Goal

I wish my
designs would
be the
result of

***POTENT
IAL***

- Site Design
- Demise of Vernacular
Expression in the Context of a
Global Economy
- Sustainability
- Architecture

Site Design

CONSTRAINTS

- Property Boundaries
- Zoning regulations – Set Backs
- Wetland Laws & Set Backs
- Utility Easement
- Roads & Access Requirements
- Agricultural Laws
- Client Preferences
- Time

Site Potential

We abuse land because we regard it as a commodity belonging to us.

*When we see land as a community to which we belong,
we may begin to use it with love and respect...*

*That land is a community is the basic concept of ecology,
but that land is to be loved and respected is an extension of ethics.*

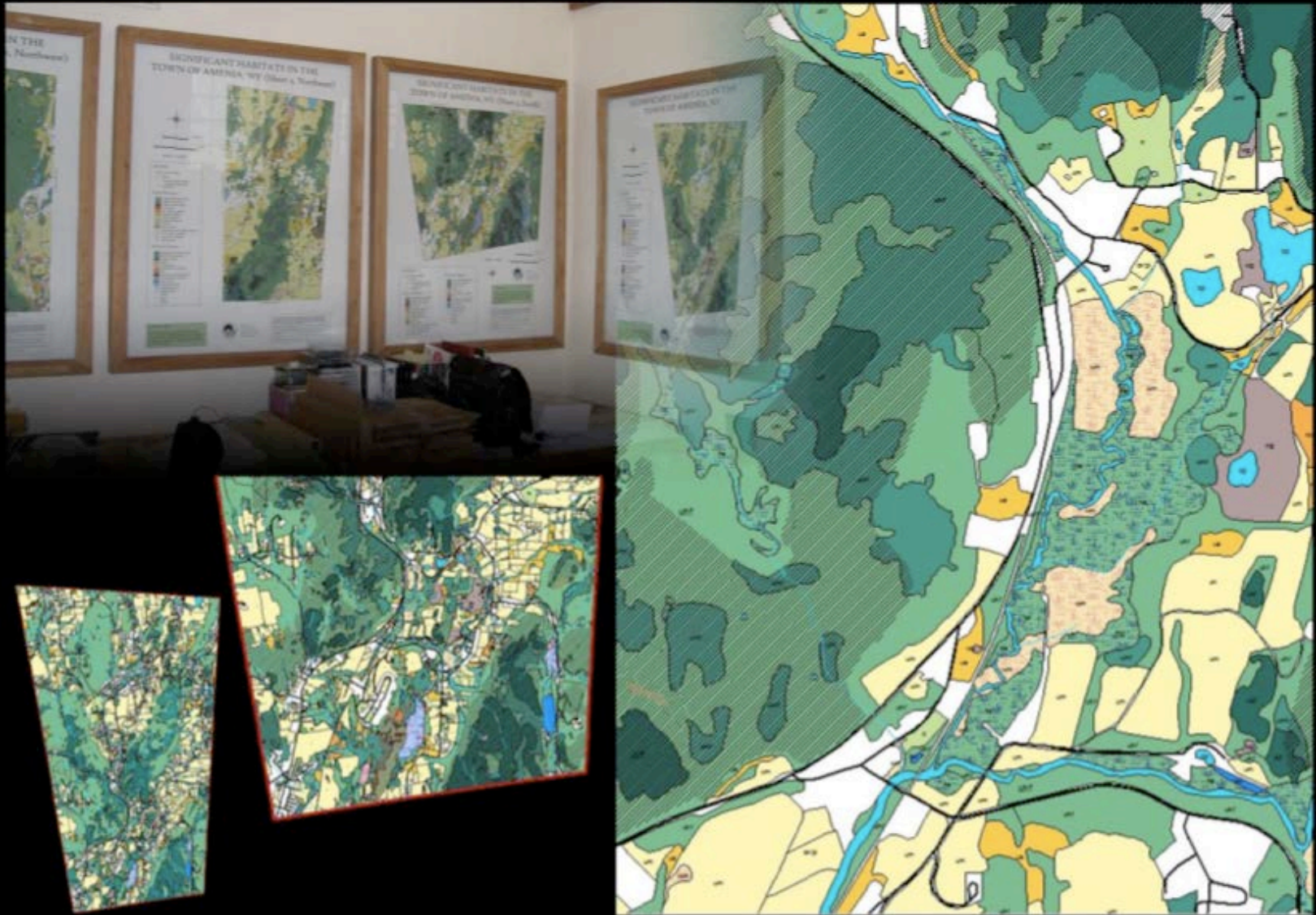


Aldo Leopold
A Sand County Almanac, 1949





SITE



Site Planning: A Different Approach



REGENESIS

more than green

Regenerative Development™

Who we are

Our Commitment

How we work

Services

Projects

**REGENESIS HELPS YOU BRING IT ALL TOGETHER—
ECOLOGICALLY, CULTURALLY, FINANCIALLY
THROUGH REGENERATIVE DEVELOPMENT™**

In **Regenerative Development™**, humans have a positive role to play on the planet. Regenerative Development™ is:

SPECIFIC: *grown from local nature and local culture of place*
HOLISTIC: *integrating people and ecological systems for mutual benefit*
BOLD: *manifesting a vision of people as contributing members of nature's family*



[case studies](#) › [articles](#) › [links](#) › [contact us](#) ›

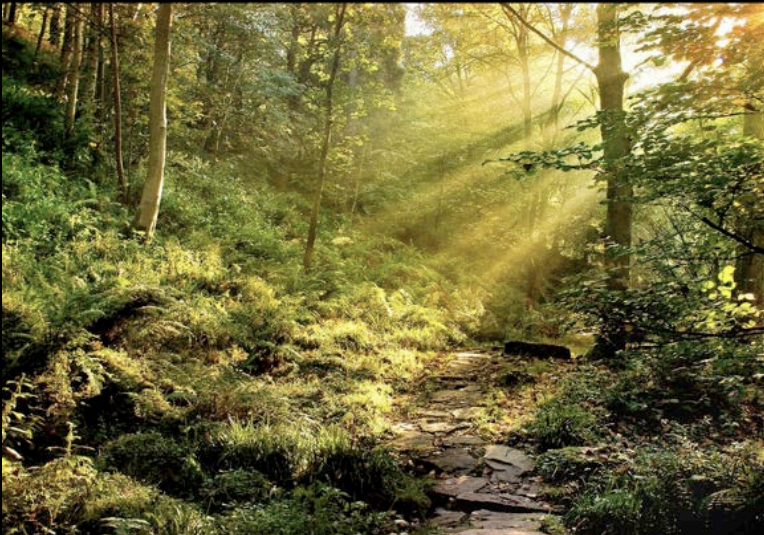


The ecological crisis
is about what it
means to be human.

— David Orr

New Concepts for Me

- Reconciling edges
- Transforming flows
- Stacked functions
- Stewardship vs. Ownership



...Seeing things differently



Sustainability

Constraints

- Method of cost/benefit analysis
- Perception of choice
- Lack of education
- Evolving technology
- Complexity of design process

Potential

- Equilibrium with earth
- Personal health
- Lifestyle simplicity
- Less cost

How many KWH'S are in a cheeseburger?



How much energy is in a cheeseburger?

=500 Calories



How much energy is in a cheeseburger?

=500 Calories

=1,984 BTUs



=2,093,400 Joules

=.5815 kWh

"Operational" Energy

How much energy does it take to
create a cheeseburger?



“Embodied” Energy

How much energy does it take to
create a cheeseburger?

=3,344 Calories

=13,269 BTUs



=14,000,000 Joules

=3.888 kWh

“Embodied” Energy

How much total energy is in a cheeseburger?



TOTAL = 500 + 3,344 = 3,844 Calories

How much energy is in a House?



How much energy is in a House?

1. Construction



How much energy is in a House?

1. Construction



2. Operation

How much energy is in a House?

1. Construction



2. Operation



3. Maintenance



How much energy is in a House?

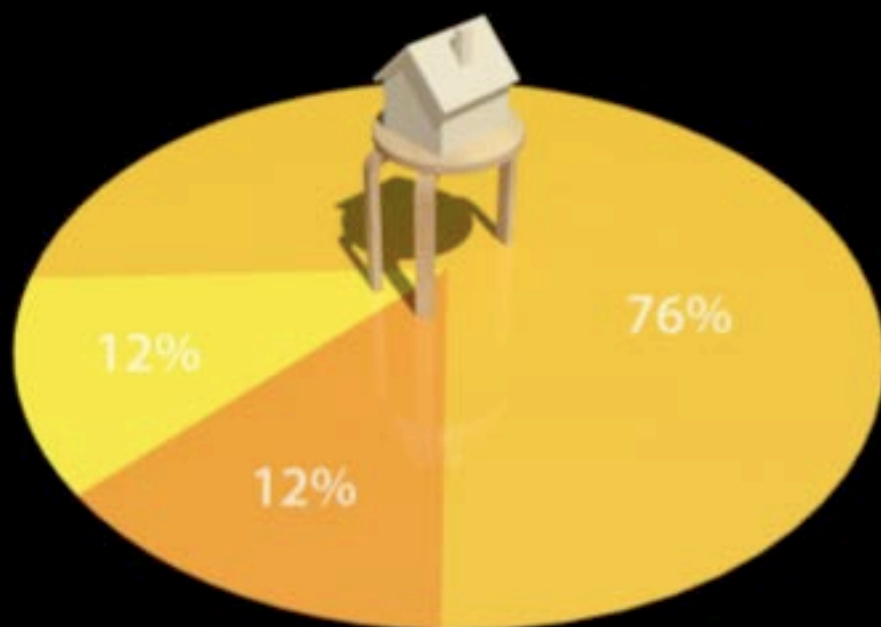


Average house in Northeast:

- 2,200 sf
- 3 occupants
- 3 bedrooms
- 1-1/2 bathrooms

How much energy is in a House?

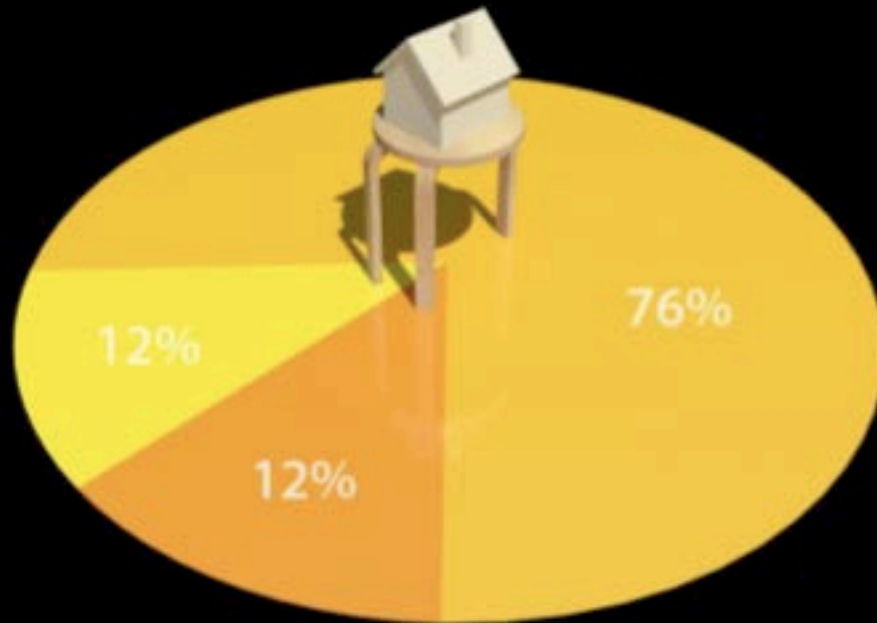
Total for a 50 Year Lifespan



Construction:	278,000 kWh
Operation:	1,788,000 kWh
Maintenance:	278,000 kWh
<hr/>	
Total:	2,344,000 kWh

How much energy is in a House?

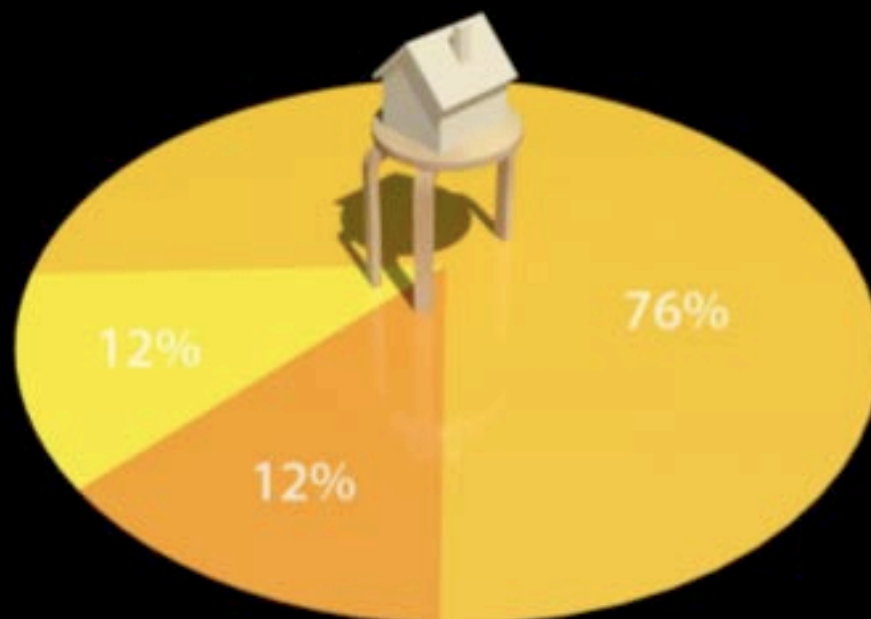
Total for Each Year



Construction:	5,560 kWh
Operation:	35,760 kWh
Maintenance:	5,560 kWh
<hr/>	
Total:	46,880 kWh

How much energy is in a House?

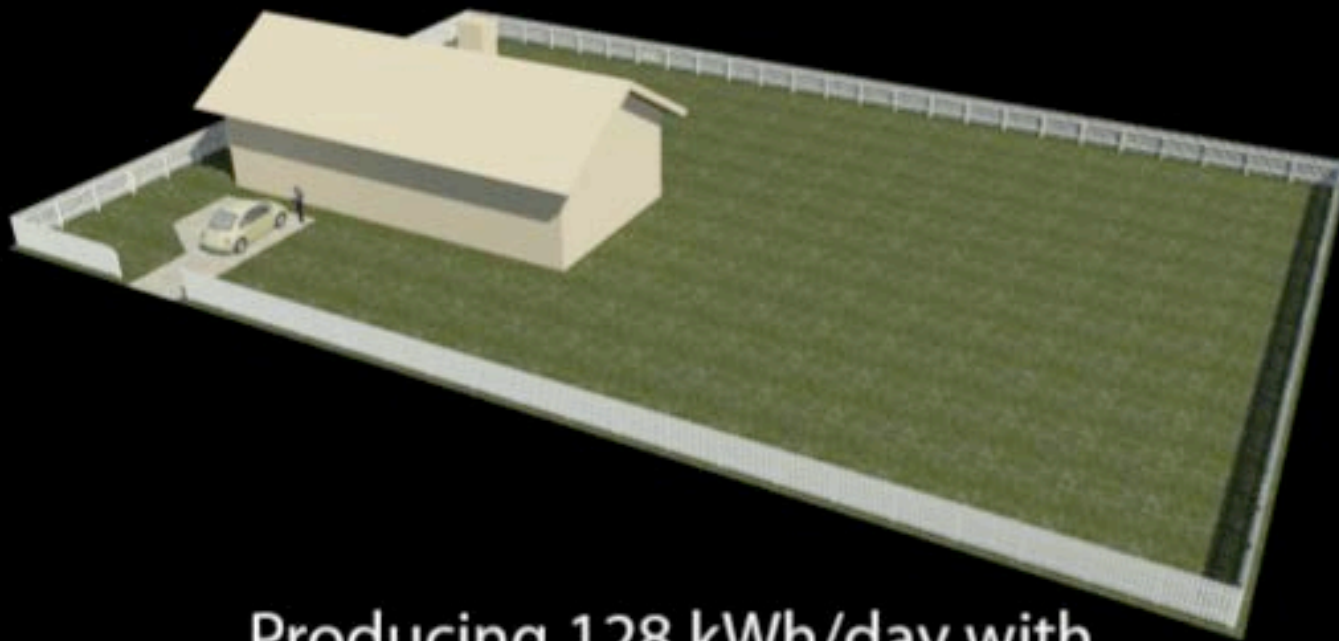
Total for Each Day



Construction:	15 kWh
Operation:	98 kWh
Maintenance:	15 kWh
<hr/>	
Total:	128 kWh

How much energy is in a House?

- 2,200 sf house
- 1/3 acre lot



Producing 128 kWh/day with
on-site renewable sources:

How much energy is in a House?

- 2,200 sf house
- 1/3 acre lot



Producing 128 kWh/day with
on-site renewable sources:

(284) 200W Photovoltaic Panels

How much energy is in a House?

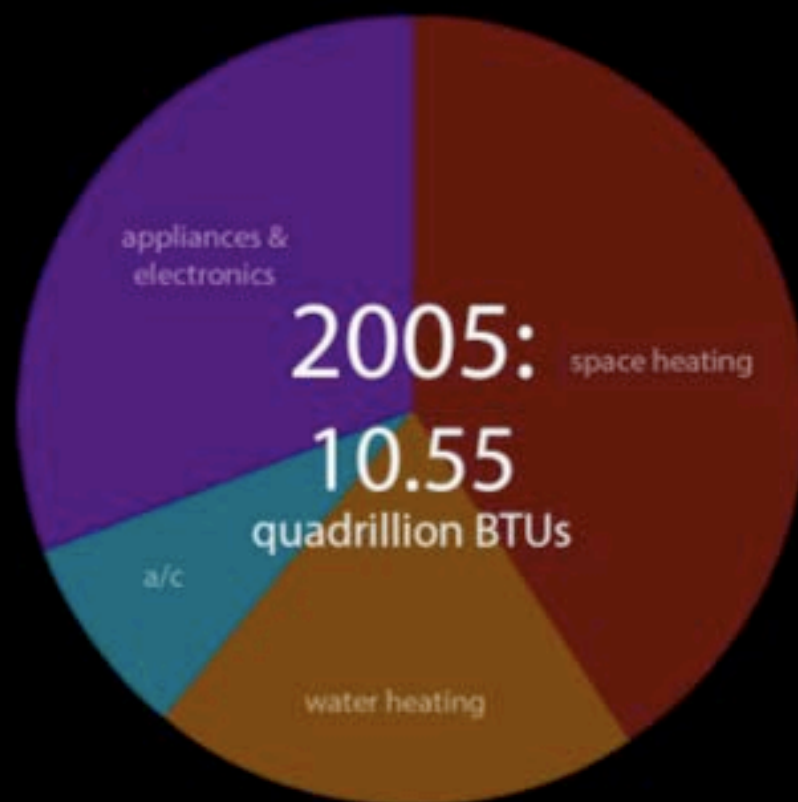
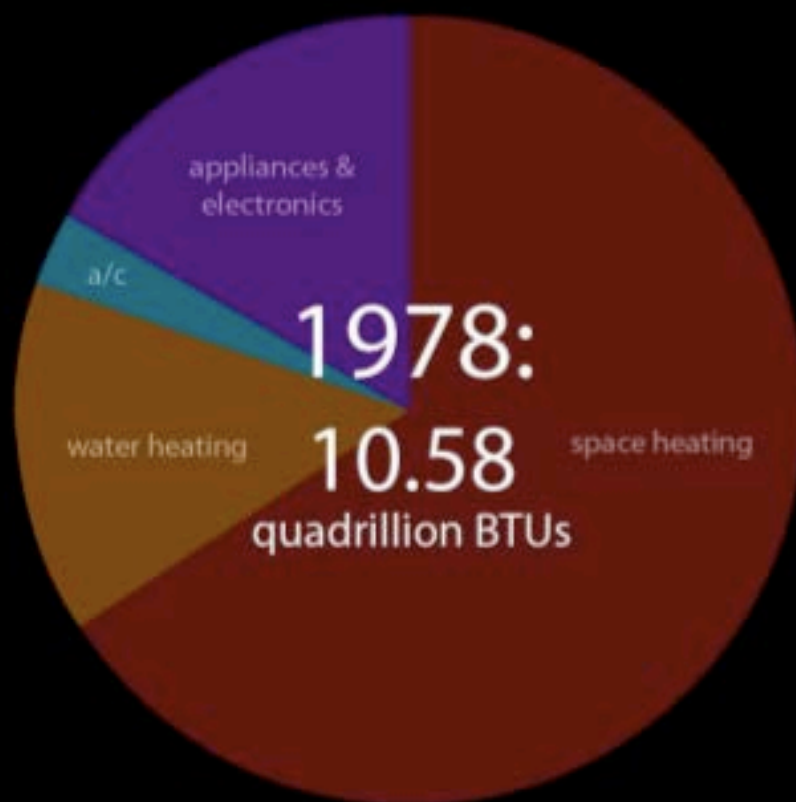
- 2,200 sf house
- 1/3 acre lot



Producing 128 kWh/day with
on-site renewable sources:

(15) 2.4 kW Wind Turbines

Total Energy Use in U.S. Homes



5 Bedroom House in Costa Rica



5 Bedroom House in Costa Rica



5 Bedroom House in Costa Rica



5 Bedroom House in Costa Rica



The Demise of Vernacular Expression in the Context of a Global Economy



"Anywhere", U.S.A.

Constraints

- Professional division of labor
- Divergence of 'craft' to 'assembly'
- Inadequate training
- Lack of interest
- Acceptance of global mediocrity as the cost of efficiency

Potential

- Ability of material and design to elevate one another
- Expression of place and time
- Lower transportation costs

Resolution of Reform

- I will spend 10 hours per week being a craftsman, which I believe will inform my ability to design things with vernacular expression.





























VERNACULAR EXPRESSION



VERNACULAR EXPRESSION









*The 'MAKERS' journey
facilitates vernacular
expression*

VERNACULAR EXPRESSION





Architecture

Constraints

- Pretension
- Competition
- Investment
- Budget
- Committee Review
- Mortality
- Design Complexity
- Time

Potential

- Material
- Proportion
- Texture
- Color
- Enclosure – Vastness
- Stillness – Movement
- Sound – Silence
- Lightness - Darkness

Personal Change

- Get out of my 'comfort zone'
- Every month...no exception...as long as I am alive...take a trip to look at architecture. Pick a TOPIC for every trip

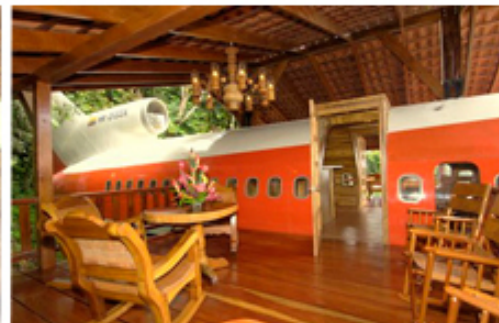
Ridiculous Buildings











Buildings Made Out of Recycled Material











Shipping Container Buildings

























Inspiring Architecture without
apparent Style – Poetry of the
Human Soul















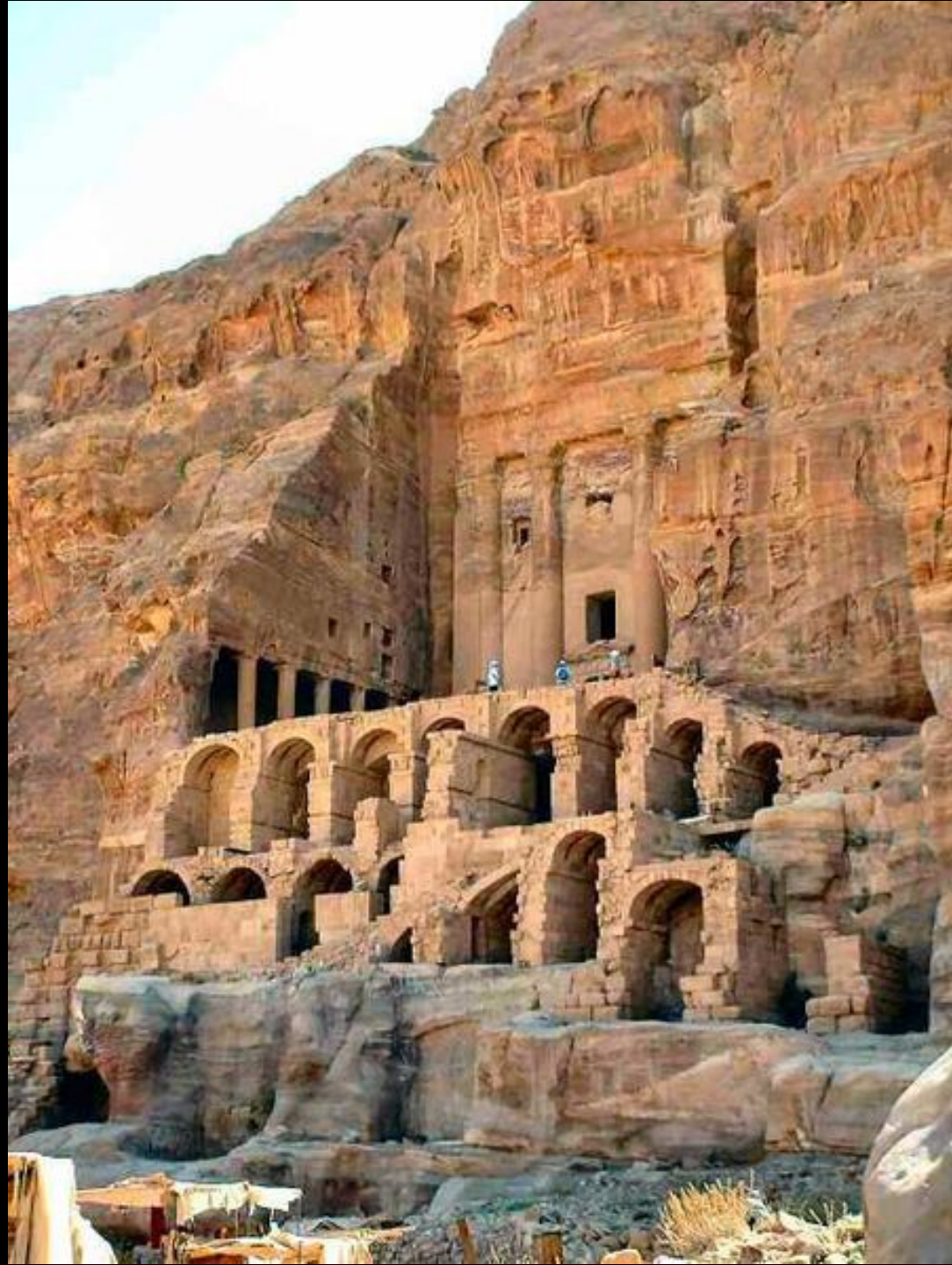








Earth Sheltered Architecture













Advice

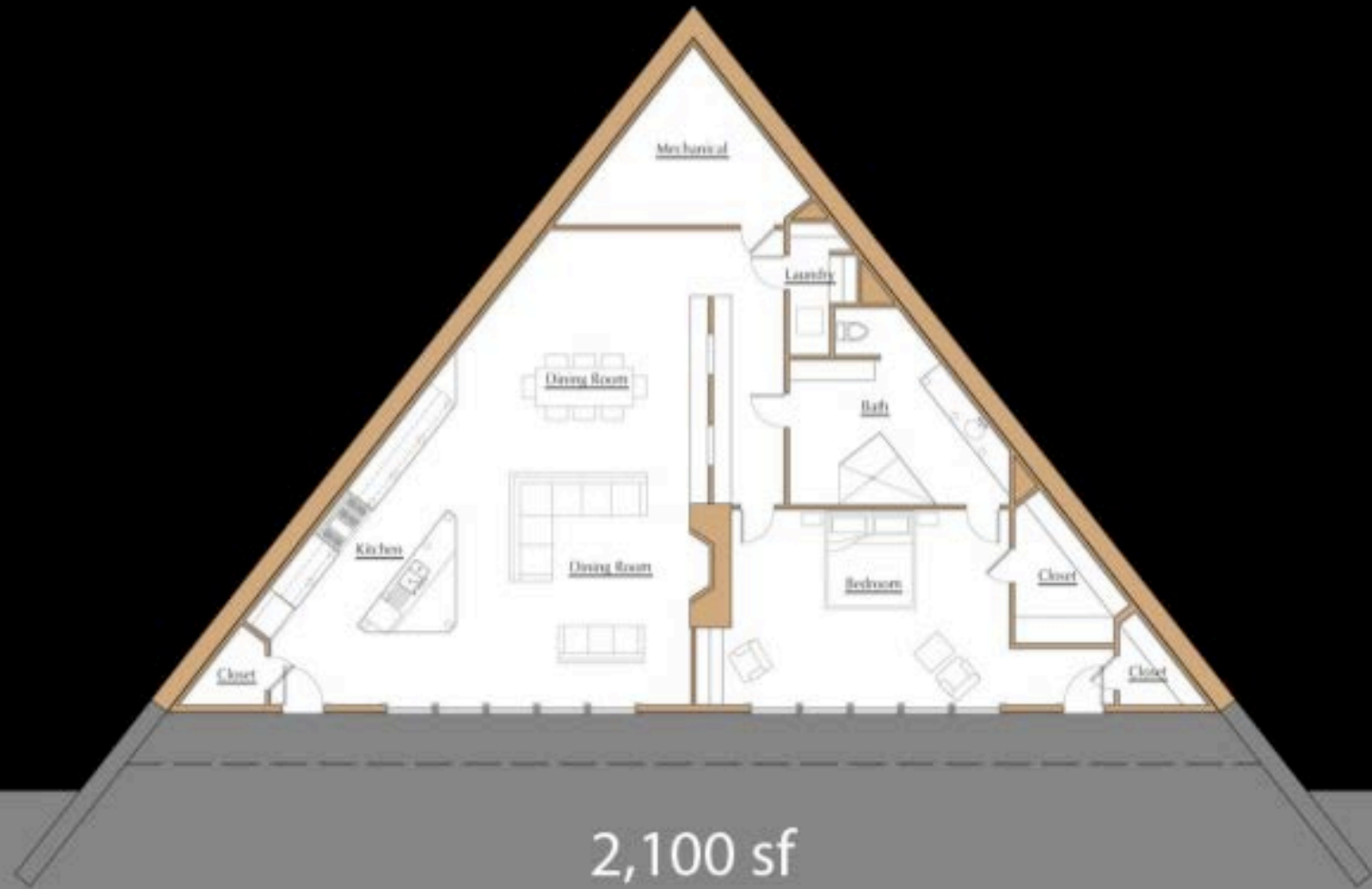
We all have professional and personal comfort zones. We need to get out of them as often as possible.

Allan Shope Architects

Studio 1

Studio 99

Studio 1





Design















Studio 99

- *“I need a beautiful, well built house, completed in eight weeks from now for eighty dollars per square ft.”*
- the client



Lemon.

This Volkswagen missed the boat.

The chrome strip on the glove compartment is blemished and must be replaced. Chances are you wouldn't have noticed it; Inspector Kurt Kroner did.

There are 3,389 men at our Wolfsburg factory with only one job: to inspect Volkswagens at each stage of production. 13,000 Volkswagens are produced daily; there are more inspectors

than cars.)

Every shock absorber is tested (spot checking won't do), every windshield is scanned. VWs have been rejected for surface scratches barely visible to the eye.

Final inspection is really something! VW inspectors run each car off the line onto the Funktionsprüfstand (car test stand), tote up 189 check points, gun ahead to the automatic

broke stand, and say "no" to one VW out of fifty.

This preoccupation with detail means the VW lasts longer and requires less maintenance, by and large, than other cars. It also means a used VW depreciates less than any other car.)

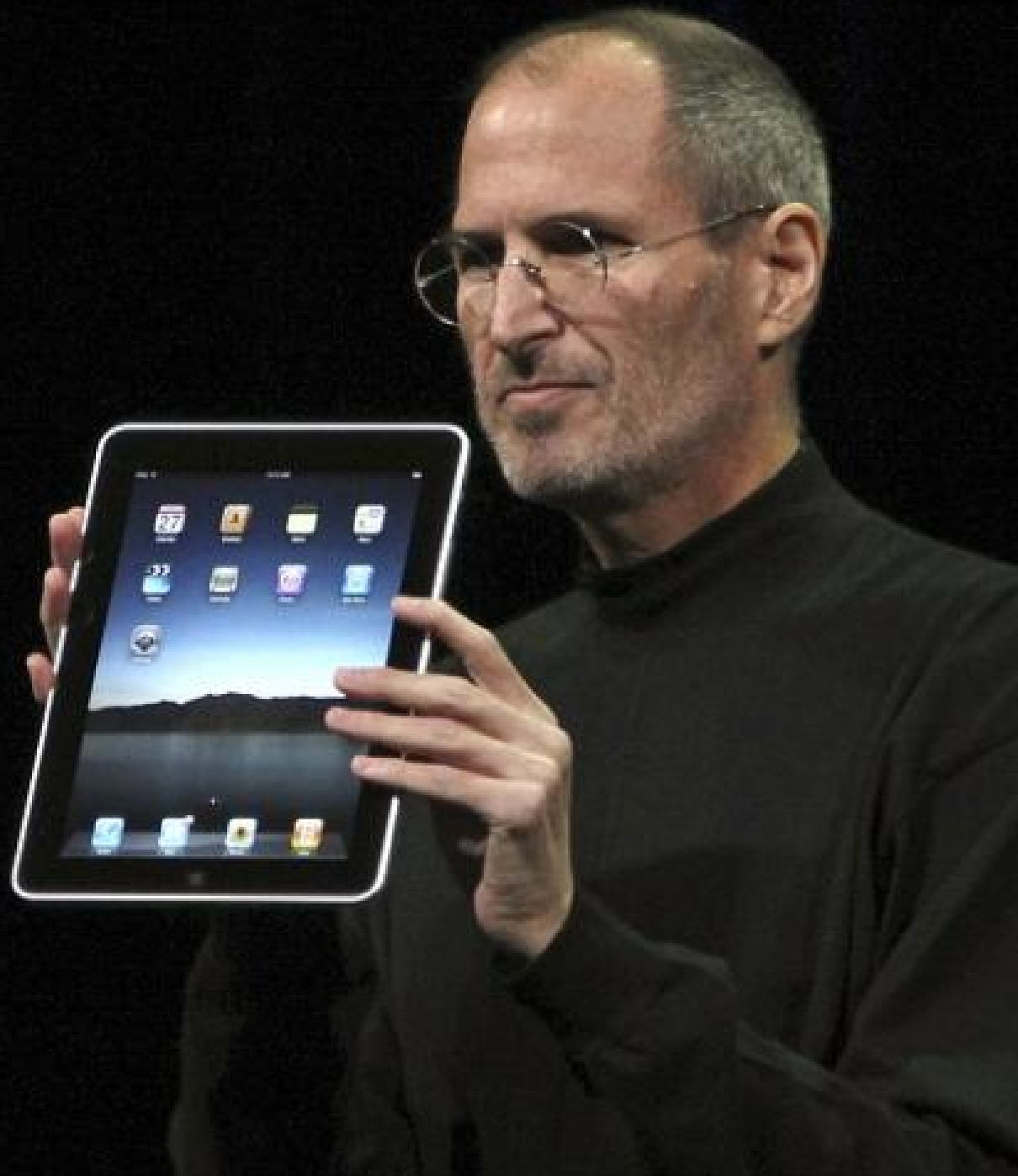
We pluck the lemons; you get the plums.











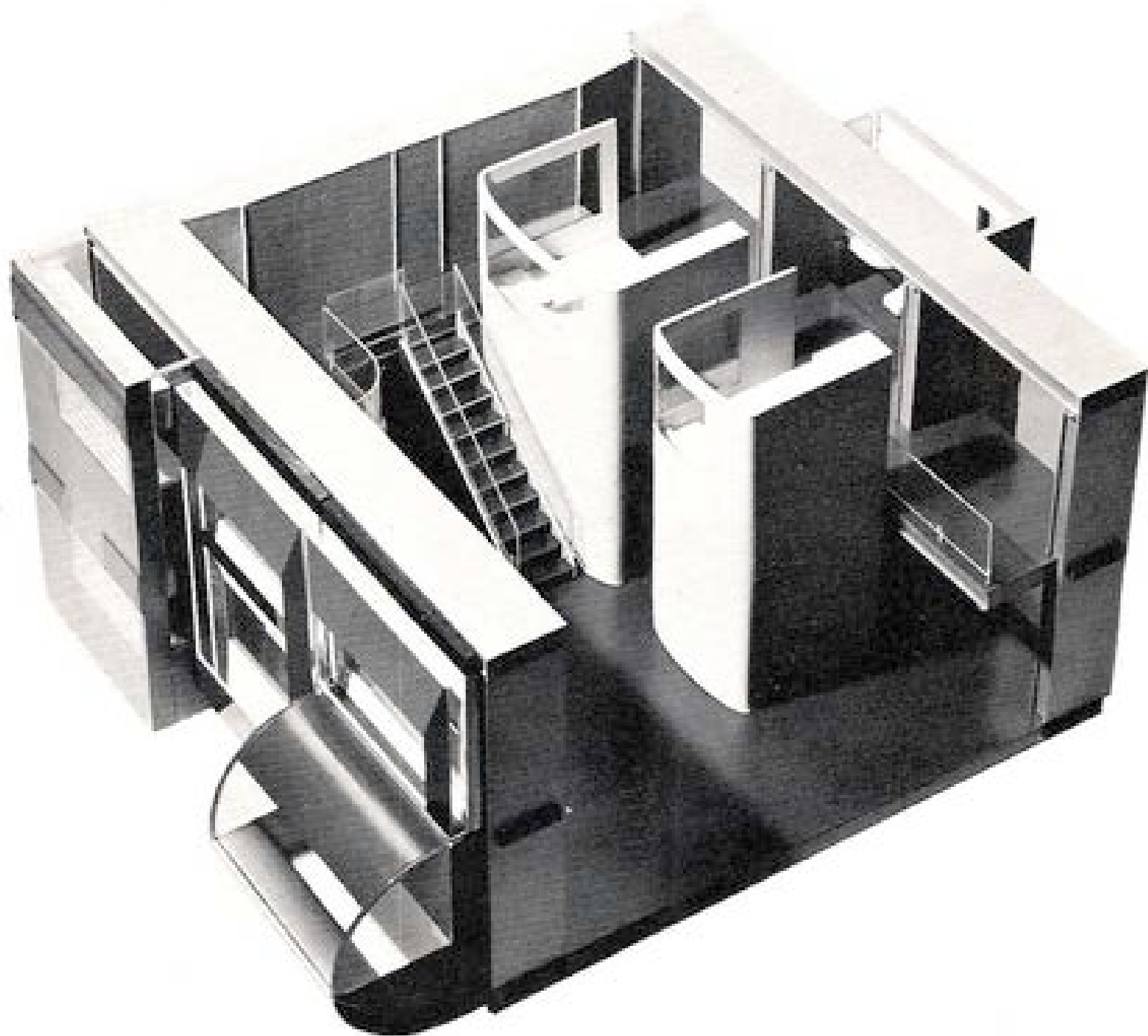




Marianne Cusato







Summary of the Ongoing Architectural Rehabilitation of Allan Shope

- It didn't hurt
- Lots of fun along the way
- Highly recommended

Thanks for listening...