Back to the HOUSE of FUTURE

IPRO 301

Project Background

1983 International House of the Future Competition IPRO 301 Sustainable Village 2005



ISSUE of Housing

SPACE

- -density and population increase
- Cultural and Environmental issues -cultural ramifications
- -sustainability
- -environmental factors

COST

- -construction cost
- -labor and material fabrication

OBJECTIVE

Produce a conceptual solution for the development of a "House of the Future" product

CONCEPT Proposal

A modular component housing solution that will address the flexibility and sustainable needs in the future

TEAM members

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PHASE 1

PHASE 5

PERSPECTIVE

What is a Module?

PHASE 2

Component of a system designed for easy assembly and flexible use

Benefits of Mudular Design



Sustainable design

Construction

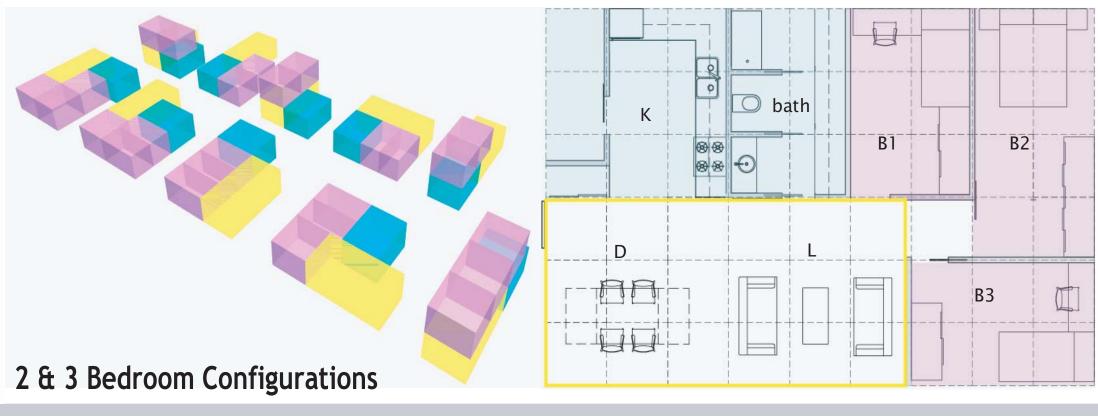
Trasportation Economical

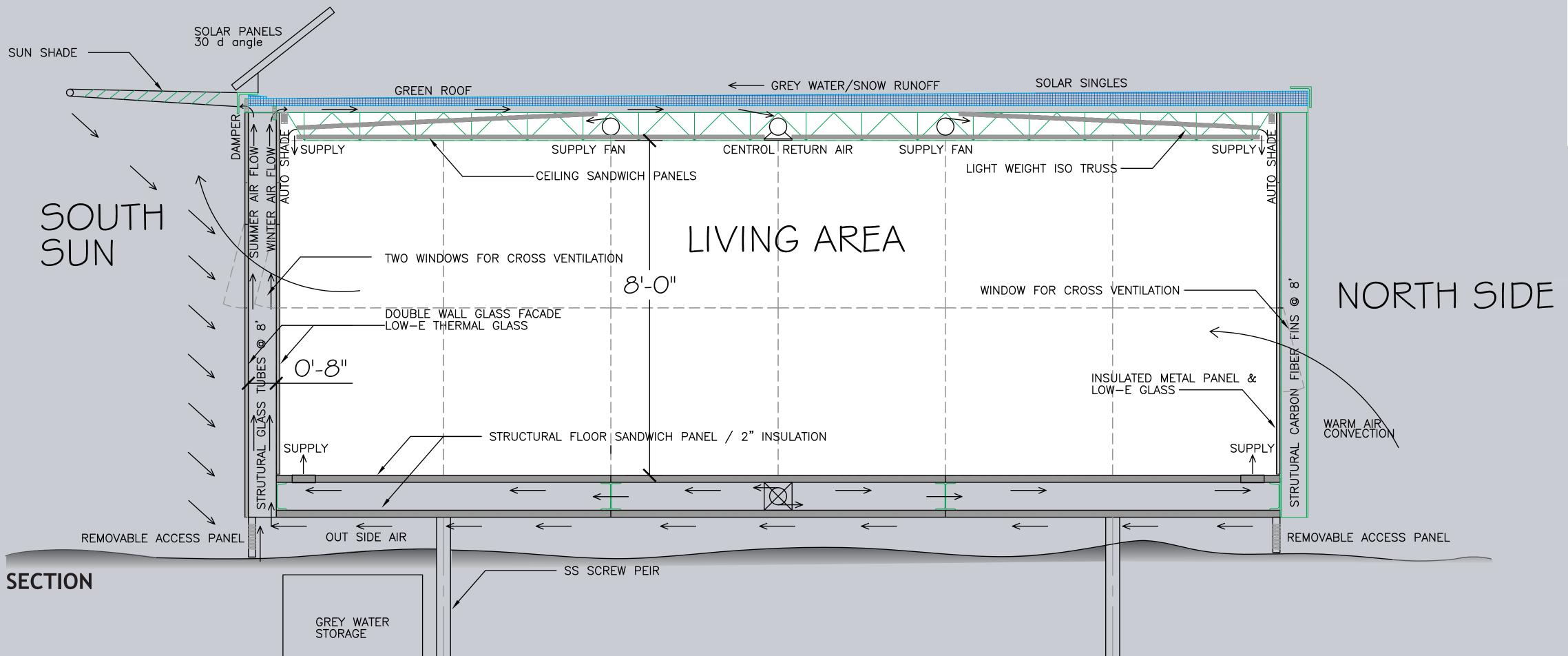


Maintenance

4' x 4' x 4' Module

- Spatial Dimensions
- Materials prefabrication sizes
- Sustainable Fabrication
- Prefabricated, interchangeable, outsourcing parts for fabrication
- Less waste material
- Economical
- Ease of Transportation
- Ease of Construction
- 2 person maneuverability
- Pieces can be changed over time as needed



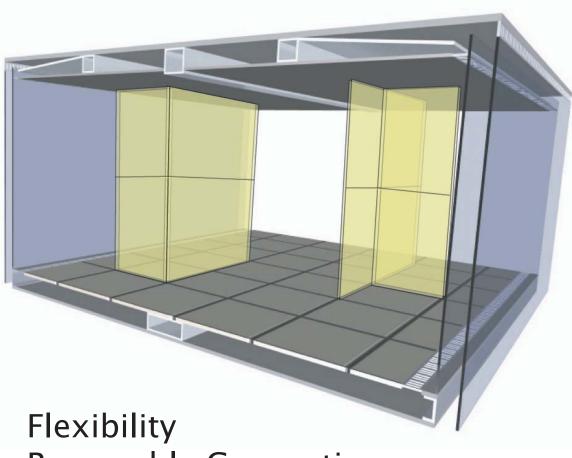


Structure

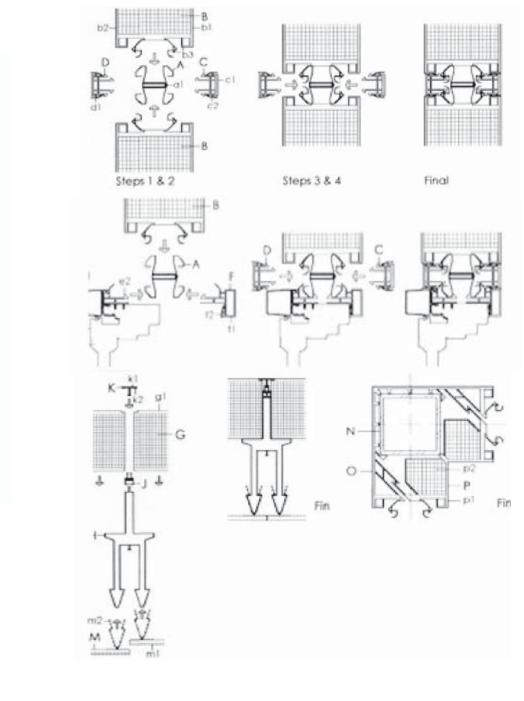


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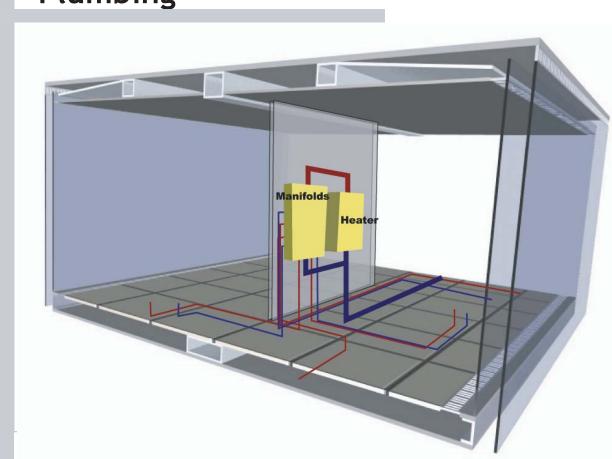
Snap-Lock Wall

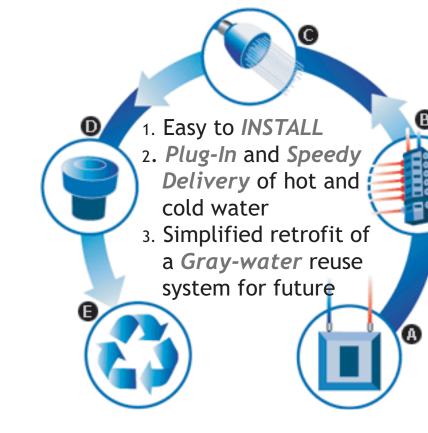


Removable Connection Reuse



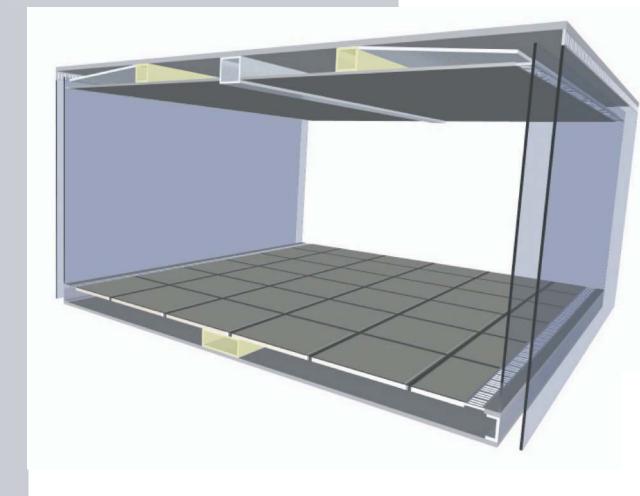
Plumbing

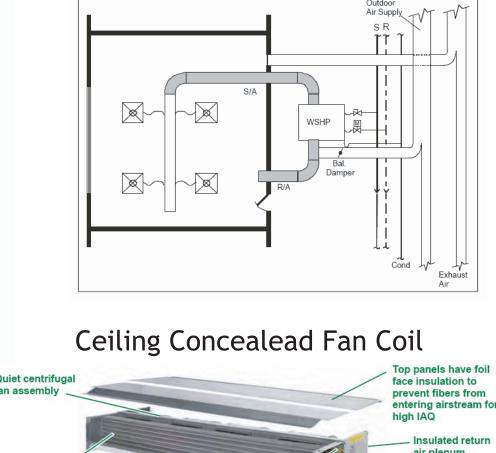




Decentralized HVAC

Mechanical Systems





GREEN Energy Syetem

