System and Concepts Team Project Plan

Focus

Our team will work on development of concepts for a sustainable house of the future which will incorporate a series of systems that can be integrated into the building of unit.

Deliverables

- A visual representation of concepts, featuring various graphics (drawings, renderings, brochures)
- Research Materials

Concepts to Integrate

- Modular structure
- Level of sustainability
- Environmental adaptability
- Additional features incorporated into the design

IPRO 301 – BACK TO THE HOUSE OF THE FUTURE

1) Project Plan – Code & Safety
   a) Code
      i) Comply with International Building Code 2003
      ii) Determine what codes are applicable to the House of the Future
          (1) Based on ideas from System Concepts
          (2) Based on ideas from Products & Technology
      iii) Guide other sub-groups with material selection and concept design
   b) Safety
      i) Fire Safety
         (1) Research safe, state-of-the-art, sustainable fire suppression systems
         (2) Inform other sub-groups about cutting-edge fire suppression technology
      ii) Natural Disasters
         (1) Research methods of deterring the effects of natural disasters such as:
            (a) Earthquake
            (b) Tsunami
(c) Tornado
(d) Hurricane
(e) Etc.

(2) Work with other sub-groups of such methods for incorporation into the final concept

iii) Security
   (1) Research methods, systems and products for home security
   (2) Inform other sub-groups of new security methods, systems and products for home security

iv) Human/Child Welfare
   (1) Determine the needs to ensure the safety of occupants while inside and around the House of the Future
   (2) Collaborate with the team to ensure ideas and products allow for the highest level of safety for the occupants