A Corporate Headquarters and Manufacturing Facility
for a new green tech, clean tech company: BioSIPs, Inc.

Environmental, experimental architecture
Professor Julee Herdt, Licensed Architect
Studio 4710
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The Premise
Using BioSIPs (structural insulated panels) invented by Professor Julee Herdt, in combination with modular structural steel, students will design a corporate headquarters and manufacturing facility for a new, state-of-the-art, clean-tech SIP company for Colorado.

The Project
Architecture for the project will develop based on the student’s personal statement as to how business could and should be done in a changing world, with a fluctuating economy, and by a work force in which young and old -- visionaries from multiple generations -- work together. The company’s mission is based on the four main goals:
1. Commitment to preservation of the Earth’s resources through development of sustainable construction products from waste feedstocks;
2. Commercialization and on-going research for advancement of products which can be recycled back into the earth at end of product use;
3. Manufacturing and shipping using environmentally-friendly, energy-efficient methods;
4. High levels of productivity and profitability equating with environmental wholeness.

With this in mind, the architectural process will begin by asking how a building design can reflect the values and needs of a generation in ways that also enhance productivity and profitability for the whole.

Required spaces
* Corporate headquarters space
* Fabrication facility @ 10,000 sf
* Studio
* Research Lab
* Transportation storage: Solar canopy required
* Landscape as integral to the building: Property around your architecture plant will be developed as agrarian for rotation of test crops used as feedstock for the company’s research and building material product line.
* Solar access for power collection.

Site: Boulder, near a rail spur and with connection to U.S. 36