

OBJECTIVE

Our mission is to use a sustainable approach to create an efficient integrated building system design. Our resulting product will be building plan for an art studio within Chicago City limits.

TEAM DIVISIONS

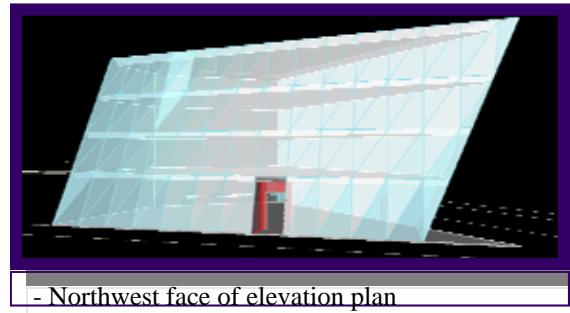
Each division did extensive research on the subject of their assigned system and planned with other teams to implement each system to attain an overall green building design. Team Divisions where broken down as follows;

- Architectural Design
- Building Envelope
- Plumbing System and Drainage
- Electrical Systems/Solar Panels
- HVAC System/Geothermal
- Green Roof/Landscaping
- Fire Protection System
- Cost Estimating and Scheduling
- Energy Modeling

SITE LOCATION



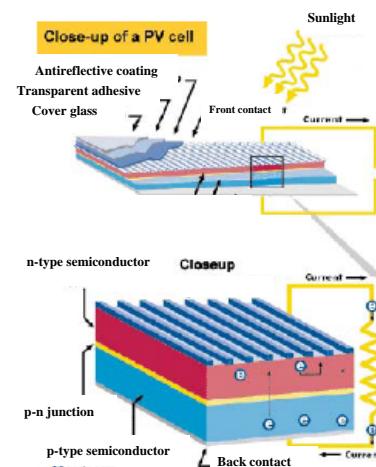
SYSTEM PROGRESS



SOLAR SOURCE

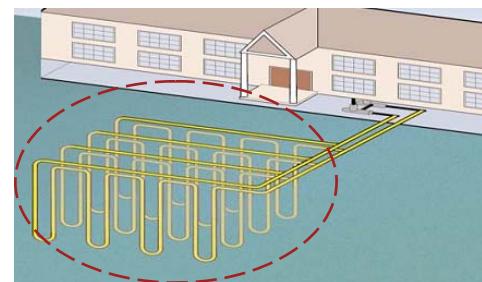
Panels will be installed on the roof and the southeast wall. They will provide for electrical systems as well as serve as a water heater.

Photovoltaic Panels

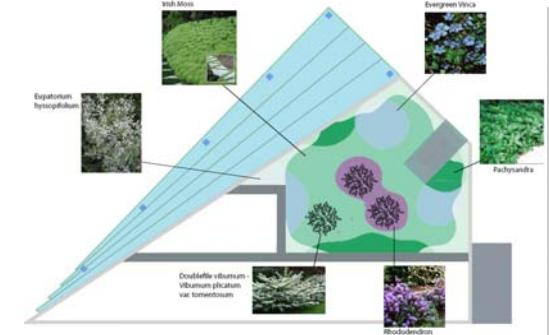


HVAC/GEOTHERMAL

- Geothermal is a beneficial heating source.
- It provides great comfort and is cost-efficient
- The design calls for vertical ground closed loops



GREEN ROOF PLAN



The green roof provides several uses to the building as well as a pleasure for tenants to relax in and enjoy.

PLUMBING SYSTEM

- The system takes many considerations into mind about the value of reusable water.
- Refer to drawings on our poster, you will see in intricate system that involves the use of grey water.
- Grey water is an easily recyclable product into toiletry systems and irrigation.
- By reusing this water it saves on unnecessary treatment costs.

LEED

58 5 6 Project Totals (pre-certification estimates)

Certified 26-32 points Silver 33-38 points Gold 39-51 points **Platinum 52-69 points**

Our design attained a Platinum rating.

CONSTRUCTION COST

MAINTANENCE COST

AVERAGE BUILDING COST \$140/SF	\$4,900,000	ESTIMATED RETURN OF INVESTMENT 8-12 YEARS	SIMILAR NON "GREEN"	\$53,200/year
GREEN BUILDING COST \$180/SF	\$6,445,267		GREEN ART STUDIO	\$34,580/year

SAVINGS/ YEAR
\$18,260

Main Inside Heading

The most important information is included here on the inside panels. Use these panels to introduce your organization and describe specific products or services. This text should be brief and should entice the reader to want to know more about the product or service.

You can use secondary headings to organize your text to make it more scannable for the reader.

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Caption describing picture or graphic.

Secondary Heading

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HEWLETT-PACKARD

Primary Business Address

Your Address Line 2

Your Address Line 3

Your Address Line 4

Phone: 555-555-5555

Fax: 555-555-5555

E-mail: someone@example.com