BUILDING 6

SUSTAINABLE DESIGN

6305 EL CAMINO REAL
CARLSBAD, CA 92009

Alarming Statistics

In the United States, buildings account for the following:

- ***36% of total energy use (65% of electricity consumption)***
- ***30% of greenhouse gas emissions***
- ***30% of raw material use***
- ***30% of waste output (136 million tons annually)***
- ***12% of potable water consumption***

What is a Green Building?

Green refers to the design, construction and operations of a building that are environmentally and socially responsible, profitable, and healthy places to live and work.

The USGBC or United States Green Building Council was formed in 1993; it is a nonprofit organization comprised of a community of more than 10,000 organizations from every sector of the building industry united by a common purpose: to transform the building marketplace to sustainability. In 1995 this organization began to develop the LEED Rating system in response to the US market's demand for a definition of a "green building". LEED stands for Leadership in Energy and Environmental Design.

LEED is a nationally accepted benchmark or tool for the design, construction, and operation of high performance green buildings. LEED promotes a whole-building approach to sustainability by recognizing performance in five key areas of human and environmental health:

- ***Sustainable Site Development***
- ***Water Savings***
- ***Energy Efficiency***
- ***Materials Selection***
- ***Indoor Environmental Quality***

Certifications

The LEED program provides a roadmap for measuring and documenting success for every building type and phase of a building lifecycle. There are four levels of certifications offered based on a point measurement system.

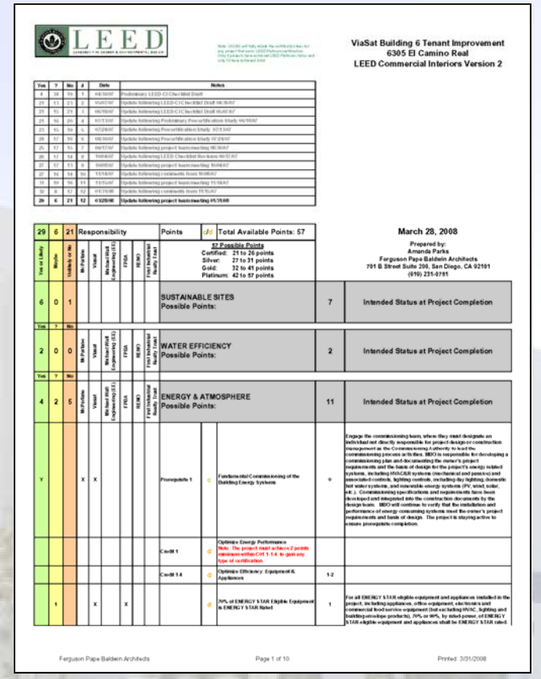
- ***Certified***
- ***Silver***
- ***Gold***
- ***Platinum***

Benefits of a Green Building

- ***Environmental***
  - Enhance and protect ecosystems and biodiversity
  - Improve air and water quality
  - Reduce solid waste
  - Conserve natural resources
- ***Economic***
  - Reduce operating costs
  - Enhance asset value and profits
  - Improve employee productivity and satisfaction
  - Optimize life-cycle economic performance
- ***Health and Community***
  - Improve air, thermal and acoustic environments
  - Enhance occupant comfort and health
  - Minimize strain on local infrastructure
  - Contribute to overall quality of life

Rating System and Process

The project must satisfactorily document achievement of all the prerequisites and a minimum number of points required to achieve LEED rating levels.



LEED

ViaSat Building 6 Tenant Improvement
6305 El Camino Real
LEED Commercial Interiors Version 2

March 28, 2008

Prepared by:
Amanda Parks
Ferguson Pape Baldwin Architects
701 B Street Suite 200, San Diego, CA 92101
(619) 231-0781

29 | 6 | 21 | Responsibility | Points | Total Available Points: 57

57 Possible Points
Certified: 21 to 26 points
Silver: 27 to 31 points
Gold: 32 to 41 points
Platinum: 42 to 57 points

6	0	1	SUSTAINABLE SITES Possible Points:	7
2	0	0	WATER EFFICIENCY Possible Points:	2
4	2	5	ENERGY & ATMOSPHERE Possible Points:	11

Intended Status at Project Completion

Project Checklist

Project Status

Building 6 is registered with USGBC and will soon be submitted. Once submitted, the process will take about 90 days. 30 days for USGBC to review and issue comments. 30 days for the team to respond, and another 30 days for final approval. The project is targeting ***LEED Silver*** at a minimum, however if all points are achieved the project would qualify for ***LEED Gold***. Note, the submittal process is done online to save paper and prevent waste from being transported to a landfill.

This project will be ViaSat's first ***LEED*** certified project and possibly the first ***LEED*** certified project in Carlsbad.

FERGUSON PAPE BALDWIN ARCHITECTS