

Sustainable or “Green” Building Materials



Interior and exterior materials are selected through a process of “informed choice.” Materials are evaluated for their environmental impact.

Significant factors include:

- Depletion of natural resources;
- Recycled content, and potential “recyclability” at the end of their useful life;
- “Embodied-energy” from their production and distribution;
- Greenhouse gas emissions that contribute to global climate change;
- Toxicity during their use.;
- Durability & maintenance needs.

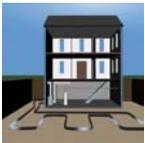
Advanced Lighting Systems & Cool Daylighting



Natural lighting techniques allow a significant reduction in the cost and amount of artificial lighting.

With a commensurate reduction in the size of mechanical equipment, they provide a substantial portion of the interior ambient lighting, and reduce glare.

Mechanical Systems

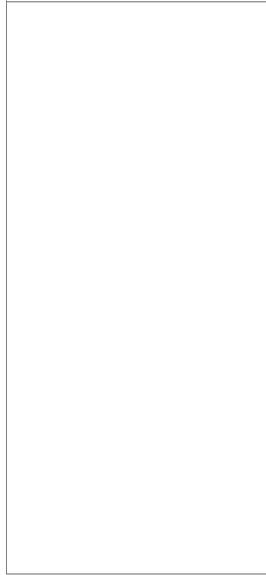


Heating & cooling systems are appropriately sized for the task. Traditional systems can be adapted to use renewable energy technologies.

Radiant heating can couple with a geothermal heat pump, active solar collector system, conventional boiler, or a central masonry wood heater.



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Environmentally-Responsible Design



Commercial
Residential
Historic

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Environmentally-Responsible Design Principles



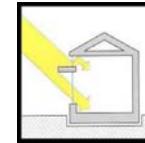
A well-designed building is an “integrated whole.” It incorporates energy-conscious design strategies with properly-sized mechanical systems to maintain occupant comfort, safety

& health.

Guiding principles are:

- Energy is reduced during the building’s service life.
- External pollution and environmental damage is minimized.
- Resource depletion and embodied energy is reduced.
- Internal pollution and damage to health is minimized.

Passive Solar Design



The building is oriented to respond to the sun’s position both in winter and summer.

Attention is paid to interior layout, glazing, summer shading, and interior thermal mass to store solar heat and reduce interior temperature fluctuations.

The building takes advantage of natural site features and landscaping for wind protection and minimal site disturbance.

High-Performance Building Envelope



The building shell uses advanced framing techniques to incorporate air-sealing details, reduce construction materials and allow for high insulation

levels. A dedicated ventilation system, or “heat-recovery ventilator,” maintains good indoor air quality.



Thomas Brown is a Registered Architect practicing in central Wisconsin, and holds national certification by the National Council of Architectural Registration Boards (NCARB). His practice emphasizes energy-conscious, sustainable design.

able design.

Tom is a member of the Energy & Environmental Building Association (EEBA), the Wisconsin Green Building Alliance (WGBA), and the Midwest Renewable Energy Association (MREA). Tom is also involved in the Wisconsin Focus on Energy Program, ReNew Wisconsin, and the Wisconsin Energy Star Homes Program.

Tom's architectural firm has been responsible for numerous light commercial, institutional and custom residential projects throughout central Wisconsin. The firm has also been responsible for several Historic Restoration projects.

From 1991-95, Tom and his family lived and worked in the southern Africa country of Mozambique. While there, Tom managed a country-wide school construction program, funded by the World Bank, as an architect with the United Nations Development Program.

Tom is a frequent speaker and presenter at regional and national energy-related conferences. He has long been an advocate for energy-conscious design and environmentally-sustainable building practices.

Tom teaches an Environmental Design course at the University of Wisconsin-Stevens Point and is on the national speakers bureau of the GreenHouse Network, raising consciousness about the trends and potential effects of Global Climate Change.

Architectural Services

Commercial & Institutional



Design of public and private facilities, such as office buildings, clinics and educational buildings. Preparation of construction plans and specifications required for State approval. Project bidding, evaluation, construction observation and project management services.

Historic Preservation & Adaptive Re-use



Research and documentation of historic structures. Preparation of renovation and restoration plans to comply with federal and state Historic Preservation tax incentive programs. Historic facade analysis and redesign services.

Additions, Remodeling & Multi-Family



Design of aesthetically sympathetic additions and renovations, faithful to older homes and structures with distinctive style and character. Restoration of missing architectural features.

Single-Family Residential



Custom design of high-performance homes, utilizing state-of-the-art construction methods and systems. Home designs are personally created and tailored to the needs of the client, both functionally and stylistically.



This cruciform/octagonal house was selected as the best Innovative/Advanced residence in the country for a cold-climate region by the National Association of Home Builders Research Center (NAHBRC).

Design Services & Fees

Basic Design Service



The Basic Design Service involves the development of a conceptual design for the Owner's approval, based upon a review of the Owner's

needs, and preparation of construction drawings for that design.

This is the most economical level of professional service, with limited involvement of the Architect during the bidding and construction phases of the project.

Fees are based upon the gross square foot area of the building.

Expanded Design Service



The Expanded Design Service involves additional tasks beyond the Basic Design Service, such as bid evaluation and construction observation. The scope of services depends on the nature of the project and the client's needs.

This is a higher level of professional service usually involving a closer working relationship between the Architect and Owner throughout the design and construction process.

Consultant services for mechanical, electrical, plumbing and site design are secured as needed and are available at cost.

Fees are based upon a percentage of the construction cost.

Supplemental & Consulting Services



For projects of limited scope or preparatory in nature, professional services are available on an hourly basis.

Services may include field measurements, preparation of existing conditions drawings, feasibility studies, and preliminary project consulting.

Fees are based upon an hourly charge.

Speaking Fees



Fees for workshops, seminars and similar presentations are determined on a negotiated basis. Typical fees might include a daily rate, along with reimbursable expenses.