

**The 112th John Stewardson Memorial Fellowship in Architecture
2013**

PARTICIPATING DEPARTMENTS OF ARCHITECTURE

CARNEGIE MELLON UNIVERSITY
DREXEL UNIVERSITY
PENNSYLVANIA STATE UNIVERSITY
PHILADELPHIA UNIVERSITY
TEMPLE UNIVERSITY
UNIVERSITY OF PENNSYLVANIA

BACKGROUND AND CHALLENGE

The Order of Cistercians or The Order of the Cistercians of the Strict Observance is a Roman Catholic religious order of enclosed monks and nuns which emphasizes a monastic life of manual labor, self-sufficiency, prayer, and a general atmosphere of silence. The order, which emphasized a return to the literal observance of the Rule of St Benedict and reform, stressed a return to manual labor, field-work, charity, and self sustenance within a secure but communal environment. For approximately 400 years, beginning around 1100 AD, the Order grew at an alarming rate and monasteries, mostly cultivated by the monks and lay brothers who occupied them, became common symbolic markers of religious influence in the Western European landscape. Political influences, religious reform, and changing attitudes to living a life of great austerity eventually threatened the Order which included a decline in leadership and control, exodus, and eventually the dissolution or abandonment of many monasteries. The Order would eventually stabilize through Reformation and according to Wikipedia there were approximately 101 monasteries worldwide in 2005 including twelve in the United States.

While the life of a monk is contemplative and spirituality takes precedence over everything else, the monastery has traditionally encouraged entrepreneurial spirit and innovation. Technical and administrative advances in farming and livestock operations and the harvesting and distribution of natural resources (which included waterpower and the development of early hydraulic engineering for water circulation and central heating systems) including water, light, air, and the earth can all be traced to monastery design and construction. As a result, the monastery, has provide a unique and spiritual environment through which man has been better able to understand and cultivate his relationship between himself and others, between himself and nature, and between himself and spirit (God).

Inspired by the Monastery's legacy and commitment to the natural environment and its patronage to Architecture as a vehicle for technical and theoretical exploration, this year's John Stewardson Memorial Scholarship in Architecture seeks to explore the notions of Spirituality, Environmental Stewardship, Energy Neutrality, and Architectural Excellence via the design of a Monastery for the Order of the Cistercians in Bucks County, Pennsylvania.

In support of this challenge, the following programmatic and technical requirements must be demonstrated as part of your proposal:

1. Your proposal must demonstrate a clear and skillful understanding of energy neutral design and environmental stewardship through the successful incorporation of solar, geothermal, wind, ventilation, and water based energy reduction, production, and storage systems. Proposals should also integrate daylight harvesting, natural ventilation strategies, and storm-water management and rain water collection systems to gather, purify, store, and reuse 100% of the water captured, used, and discharged by the site and facility.
2. The proposal must be completely off the grid. See Programmatic Requirements for additional information.
3. The use or absence of natural light shall be an instrumental element of design.
4. The balance of open space not absorbed by program, parking, service areas, or landscaping / hard-scaping shall be used for farming and livestock operations.
5. Site planning and building design approaches should emphasize constraint but also architectural vision and technical proficiency. Designs should enhance the monastic lifestyle and programmatic requirements, support spiritual and environmental awareness, and demonstrate your ability to interpret the building type in your own way.

SITE DESCRIPTIONS, REQUIREMENTS AND LIMITATIONS

The site for this project is located in Bucks County and is surrounded by farmlands, uncultivated fields, woodlands, and private residences on large plots of land (some of which include small accessory buildings for horses and limited farming use). The property is approximately 12 acres and includes an abandoned residence, pool and pool house, and barn for 4 horses.

All structures and site improvements are considered expendable but the reuse of building materials and landscaping elements is encouraged if appropriate. The existing driveway and the tress along the street, driveway, and western property line are to remain.

Site planning strategies must clearly demonstrate your awareness of the programmatic and technical requirements of the project. The development of exterior spaces and environments are strongly encouraged especially with regards to meeting the programmatic and spiritual requirements of the project.

Development or the use of land for any purpose outside of the property lines is strictly forbidden.

THE PROPOSED SITE IS PRIVATE PROPERTY AND ACCESS TO THE PROPERTY IS STRICTLY FORBIDDEN. PLEASE DO NOT GO TO THE SITE FOR ANY REASON. VISITORS TO THE SITE WILL BE DISQUALIFIED!

SITE PHOTOS



Semi-panoramic view of site looking north and east – meadow along road and access road – existing structure to the right

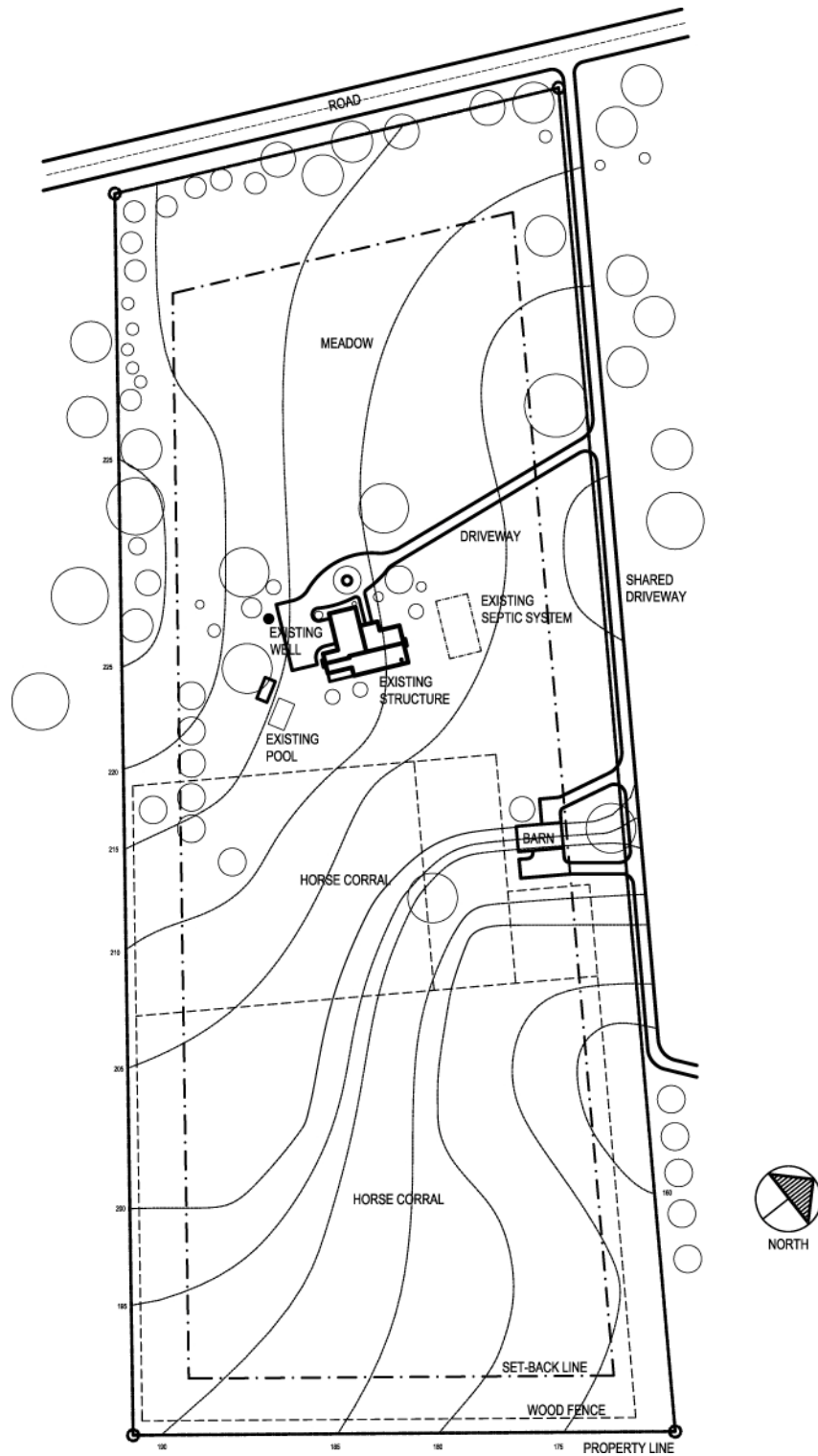


Semi-panoramic view of site looking north and west – back of existing structure and horse corrals to the rear

See electronic file for additional photographs

SITEPLAN

See electronic file for AutoCAD version



BUILDING PROGRAM

Gate House

Entry Vestibule

Wash Room

Garden

Cloister

Church

Church Vestibule

Chapel

Screen Room

Nave

Seating for Monks and Lay Brothers

Seating for Visitors (20 – 30 maximum)

Sacristy

Library

General Circulation – 5,000 volumes

Rare Book Room - 10,000 volumes

Scriptorium and Book Restoration (occupancy 6 persons)

Chapter House (Room for formal readings and official assemblies in monastic life – occupancy 30 persons)

Father Abbot's Cell

Offices

Father Abbot Office

Cellar's Office

Pastor Office

Accounting Office

General Office – Support

Private Bathroom

Coat Closet and General Storage

General Meeting Room

Kitchen and Pantry

Refectory

Guest Dining Room

General Storage Area

Classroom for 30 persons

Infirmary

Small Office

Bunks (3)

Private Bathroom with Shower (1)

Monk Hall (Vestibule)

Monks Cells (12)

Wash Basin

Bunk

Built in Wardrobe

Built in Desk

Monks Washrooms

Private Toilets (6)

Private Shower and Changing Area (8)

Private Bath and Changing Area (3)

Lay Brother Hall (Vestibule)

Lay Brother Cells (12)

Wash Basin

Bunk

Built in Wardrobe

Built in Desk

Lay Brother Washrooms

Private Toilets (6)

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Private Shower and Changing Area (8)
Private Bath and Changing Area (3)
Visitor Hall (Vestibule)
Visitor Cells (6)
Wash Basin
Bunk
Built in Wardrobe
Built in Desk
Visitor's Washrooms
Private Toilets (3)
Private Shower and Changing Area (3)
Private Bath and Changing Area (1)
Visitor's Common Room
Hall and Circulation Space as Required
Stairs and Elevators as Required
Mechanical / Electrical / Utility Rooms as Required
Farming Fields and Gardens as Required
Septic Mound or Leaching System engineered for up to 30 toilets
Barn or Storage Facility for Farming Equipment and Tools
Parking for 25 cars

REGULATORY CODES

Each competitor should consider the following codes to be applicable and binding:

The Americans with Disabilities Act [ADA]

IBC - International Building Code / 2009

IECC - International Energy Conservation Code / 2009

LEED Reference Guide for Green Building Design and Construction: 2009 Edition

For more information on the USGBC Green Building program visit: www.usgbc.org/leed/leed_main.asp

MINIMUM DRAWING REQUIREMENTS

- site plan: scale: as required
must include appropriate level of detail and context and all modifications to the existing topography
- energy diagrams / scale: appropriate
vignettes: Provide at least four (4) diagrams, sections or vignettes which specifically illustrate the incorporation, design, and distribution of solar, geothermal, natural ventilation, water reclamation, and other systems contributing to the energy neutrality and performance of the proposed design and the use of natural light as a programmatic and spiritual element.
- floor plans scale: 1/16" = 1'-0" (minimum)
Provide sufficient graphic information describing the programmatic, experiential, technical, and contextual aspects of the project as required
- building sections scale: 1/4" = 1'-0" or 1/8" = 1'-0"
Provide at least two (2) building sections showing sufficient graphic information to describe the design intent, proposed structure, and adequate context. At least one section must be cut through the church
- perspectives scale: appropriate
Provide a minimum two (2) interior and two (2) exterior perspectives showcasing how design goals and ideas are integrated into the architectural proposal
- project description Using 350 words or less, provide a concise but well written (typed) summary of your design concept and how your proposal meets the design and energy challenges of this year's design competition. The summary must be typed and must appear in the upper left corner of the first presentation board.

PRESENTATION REQUIREMENTS

Two [2] 20" high x 30" wide illustration boards (or foam core) oriented horizontally so the combined illustration measures 20" high by 60" wide (long) as illustrated below. Drawings must be drawn directly on the boards or drawn on paper firmly mounted to the boards with adhesive. Presentations which are not properly mounted will be disqualified. Note: Tape of any kind is not an acceptable adhesive.



Drawings must not be covered with glass, plastic or any other coverings.

The choice of drawing medium is not limited. The use of hand-generated drawings is permitted. Drawings thicker than 1/4" and 3-D models will not be accepted nor returned. Presentations oriented other than the position specified will be disqualified.

At the bottom right on the rear of each board, neatly print your name, address, telephone number, email address, and school affiliation. Post Graduate candidates must specify year of graduation, degree received, and school name. **Neatly cover this information with an opaque paper taped directly to the board and over all four sides to completely obscure this information.** On the upper left corners please designate left and right or 1 and 2 accordingly. **FAILURE TO COMPLY WITH THIS REQUIREMENT WILL RESULT IN IMMEDIATE TERMINATION – NO EXCEPTIONS WILL BE ALLOWED.**

Undergraduate candidates shall provide electronic copies of their presentation to their respective representatives. Images should be full size, 300 dpi PDF or Jpeg files and tagged as follows: **last name_first name_school name-2013.file extension**

Post Graduate candidates shall firmly affix a sealed envelope with a CD containing a high resolution electronic copy of your submission to the back of one of the two panels. Write your name with permanent marker directly on the CD AND make a copy for yourself. Upon receipt, presentation materials and CD's become the property of the Managing Committee of the John Stewardson Memorial Fellowship in Architecture and will not be returned under any circumstance. Images should be full size, 300 dpi PDF or Jpeg files and tagged as follows: **last name_first name_post-graduate-2013.file extension**

The title, as follows, must appear on at least one of the boards as part of the presentation requirements:

THE 112th JOHN STEWARDSON MEMORIAL FELLOWSHIP IN ARCHITECTURE - 2013

The above requirements will be strictly enforced. Entries found not to conform to the above requirements may, upon review by and upon the sole discretion of the Managing Secretary, be eliminated from the competition.

RESPONSIBILITY

The John Stewardson Fellowship in Architecture is a competition of design skill of each individual competitor. Therefore it is the responsibility of each competitor to ensure that his/her work on the competition entry is completed solely by the entrant alone and without the communication, input, advice, critique, judging, or direction of any kind by any individual at any point during the 10 day competition (this includes but is not limited to faculty, staff, professionals, associates, family, etc.) This rule is to be strictly enforced; any individual or school which does not follow this stipulation may have their entry disqualified at the discretion of the Managing Committee.

This competition is sponsored by The John Stewardson Memorial Fellowship Endowment and administered by the John Stewardson Managing Committee. The rules and regulations of the competition and the fellowship are incorporated as part of the bylaws of the Committee and include the guidelines stipulated in this program as well as in the entry form signed by the competitor.

Upon receipt of all entries, the Managing Secretary will review each submission for conformance to the program and make note of any entry not satisfying the stated requirements. The jury will be notified of these observations and may, at the jury's discretion, disqualify any entry for non-conformance to the requirements.

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It is the intention of the Committee to have the competition entries travel to the six schools of architecture participating in the competition as part of a traveling display. The Committee however, cannot ensure nor be held responsible for the safe condition of the boards once they begin to travel to the participating schools.

It will be the responsibility of the competitor to abide by the rules and regulations of the entry form and the program. The competitor, by entering his or her boards for judging to the Committee, understands these rules and regulations and agrees to abide by them.

COMPETITION ENTRIES SHOULD BE DELIVERED TO:

John Hubert
Secretary to the Managing Committee
The John Stewardson Memorial Scholarship in Architecture
c/o John Hubert Architects, LLC
6 Hemlock Lane
Wyncote, PA 19095
215.886.0429