

ENTRY FORM



DVASE 2020 Excellence in Structural Engineering Awards Program

PROJECT CATEGORY (check one):

| | | | |
|--------------------------|---|-----------------------------|--|
| Buildings under \$5M | | Buildings Over \$100M | |
| Buildings \$5M - \$15M | | Other Structures Under \$1M | |
| Buildings \$15M - \$40M | x | Other Structures Over \$1M | |
| Buildings \$40M - \$100M | | Single Family Home | |

| | |
|--|--|
| Approximate construction cost of facility submitted: | \$23 Million |
| Name of Project: | Lutnick Library at Haverford College |
| Location of Project: | Haverford, PA |
| Date construction was completed (M/Y): | October 2019 |
| Structural Design Firm: | Keast & Hood |
| Affiliation: | All entries must be submitted by DVASE member firms or members. |
| Architect: | Perry Dean Rodgers Partners Architects |
| General Contractor: | Whiting-Turner |

Company Logo (insert .jpg in box below)



Important Notes:

- Please .pdf your completed entry form and email to bsagusti@barrhorstman.com.
- Please also email separately 2-3 of the best .jpg images of your project, for the slide presentation at the May dinner and for the DVASE website. Include a brief (approx. 4 sentences) summary of the project for the DVASE Awards Presentation with this separate email.

- Provide a concise project description in the following box (one page maximum). Include the significant aspects of the project and their relationship to the judging criteria.

Haverford College Lutnick Library

The Lutnick Library project consists of a 30,570 GSF renovation and 32,380 GSF addition to create a new, 21st century facility for Haverford College. An amalgamation of four different structures, the library no longer effectively served the school or its students. Navigating the existing library was akin to navigating a dark maze.

The original L-shaped library was constructed in 1860 with additions in 1890, 1912, 1941, 1951 and 1967. The historic portion of the building was retained in the new design. Selective demolition removed portions of the midcentury structure and infilled with the new addition. The new design focuses on a more efficient spatial configuration and circulation while featuring the historic 1890's building..

The structural scope was complicated by tight floor-to-floor ratios. Engineers matched the existing floor elevations, utilizing concrete flat slab construction and maximized column spacing (at 22 feet on center) for open floor layouts to accommodate a variety of programmatic needs for the building. The basement utilizes a concrete slab on grade, supporting dense closed stacks for the college. The retention of select portions of the existing structure also created a tight site geometry within to work.

Project Highlights include:

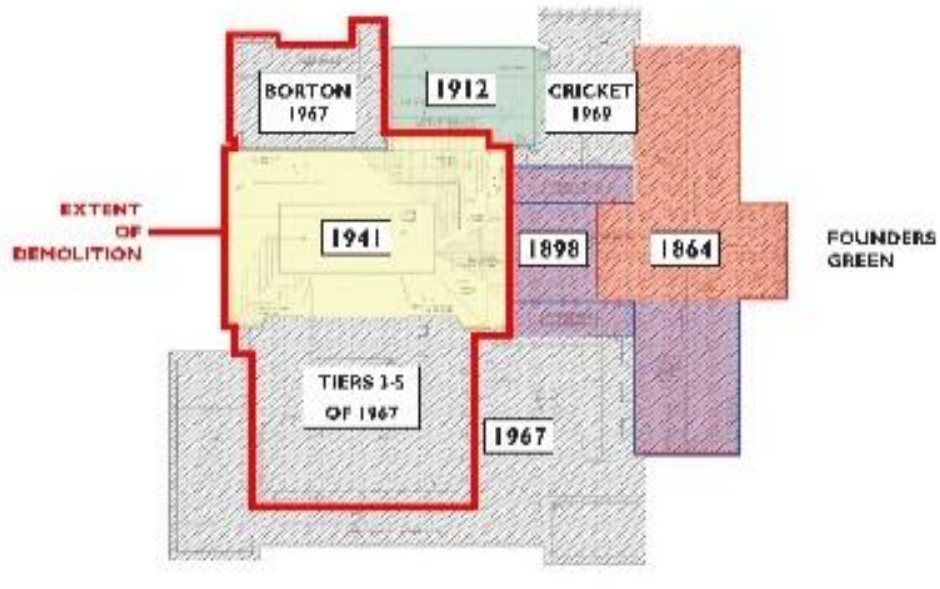
- Discreet integration of hollow structural steel into the exterior walls to enable tall window openings of as much as 26 feet while maintaining the stiffness needed to accommodate the surrounding stone-clad exterior.
- A concrete cast in place feature arch where the new addition meets the historic portion of the existing building.
- Careful coordination with the project team to route ductwork through and out of the original stone bearing wall structure and into the new areas of the building,
- A new clerestory which brings natural light into the space utilizing glulam arches. The soaring laminated timber arches span a new two-story study area & echo the 1890 arch-braced trusses of the iconic Heritage Reading Room.

The new Lutnick Library is a highly functioning facility for the college that features seamless transitions between the retained structures and the new addition, creating a successful and easily navigable space for students, faculty, and staff of Haverford College.

- The following 5 pages (maximum) can be used to portray your project to the awards committee through photos, renderings, sketches, plans, etc...

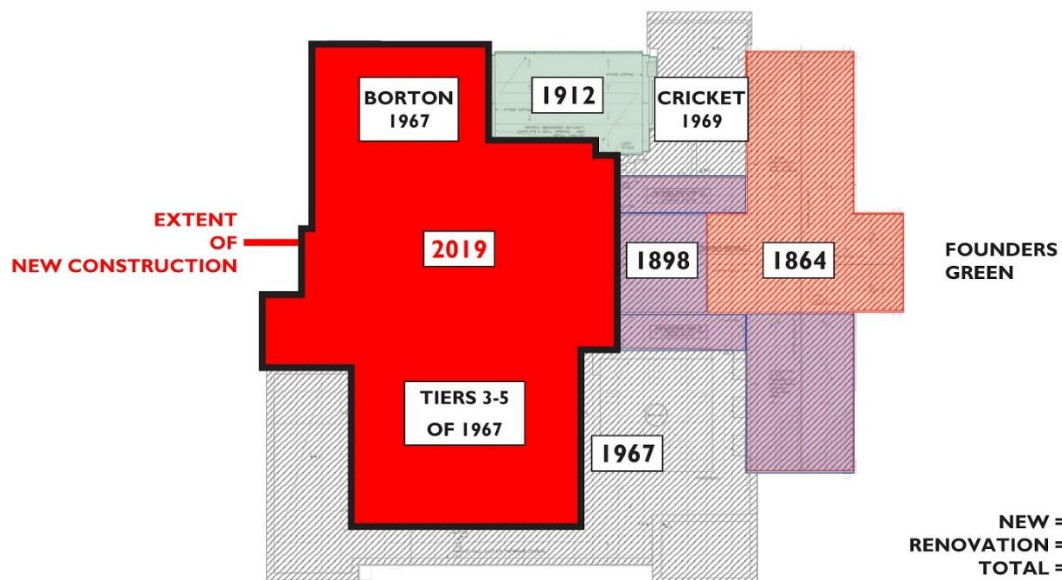
PROJECT OVERVIEW – EXISTING BUILDING

PERRY DEAN ROGERS | PARTNERS ARCHITECTS
HAVERFORD COLLEGE LUTNICK LIBRARY



PROJECT OVERVIEW – PROPOSED NEW CONSTRUCTION

PERRY DEAN ROGERS | PARTNERS ARCHITECTS
HAVERFORD COLLEGE LUTNICK LIBRARY



FEBRUARY 26, 2020









By signing, signatory agrees to the following and represents that he or she is authorized to sign for the structural design firm of record.

All entries become the property of DVASE and will not be returned. By entering, the entrant grants a royalty-free license to DVASE to use any copyrighted material submitted.

If selected as an award winner, you may be offered the opportunity to present your project at a DVASE breakfast seminar. Would you be willing to present to your colleagues? ☒ **YES** ☐ **NO**

Submitted by:

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|---|--|---|---------------------------|
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