

ENTRY FORM



DVASE 2019 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	☐	Other Structures Over \$1M	☐
Buildings \$40M - \$100M	☐	Single Family Home	☐

Approximate construction cost of facility submitted:	\$1.5 Million
Name of Project:	Kelly Writer's House, University of Pennsylvania
Location of Project:	Philadelphia, PA
Date construction was completed (M/Y):	December 2018
Structural Design Firm:	Keast & Hood Structural Engineers
Affiliation:	All entries must be submitted by DVASE member firms or members.
Architect:	DIGSAU
General Contractor:	Murphy Quigley Company, Inc.

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.

The Kelly Writer's House at the University of Pennsylvania is a historic residential structure that serves as the home of the active writing center and as an incubator for UPenn students and the greater Philadelphia community.

Kelly Writer's House decided that in order to more effectively accommodate its members and serve its mission, the first floor meeting area known as the Arts Café needed to expand. To stay within budget and adhere to historic guidelines for the building, this was accomplished by enclosing the front porch and creating additional mechanical space in the basement.

Engineers designed a series of simple and elegant solutions for the historic structure to allow for the expansion. The temporary shoring of the existing porch's roof supported the second floor while allowing for the removal of the rest of the front porch, first floor bay window, and excavation of the basement. Once the new basement walls were constructed, the masonry-bearing wall in the basement and side portions of the first floor masonry-bearing walls were removed and the front porch framing was re-supported down onto the new concrete basement foundation walls.

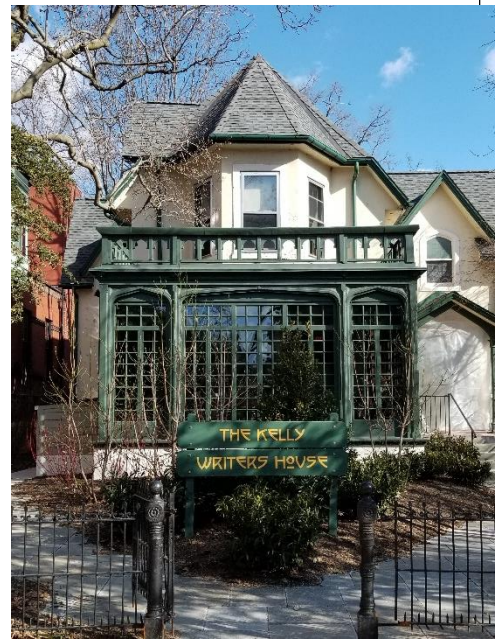
- The following 5 pages (maximum) can be used to portray your project to the awards committee through photos, renderings, sketches, plans, etc...



Above: Existing front porch

Below: Exterior after the expansion

The existing exterior front porch was converted to interior space with a new mechanical room below.





Left: Existing interior space known as the Arts Café.

The renovated space maintains the feel and historic qualities of the original Arts Café space while accommodating a larger occupancy and upgrading the space's audiovisual capacity.

Below: Interior of the Arts Café space following the renovation.





Temporary shoring of the existing roof to allow for the excavation and expansion of the basement.

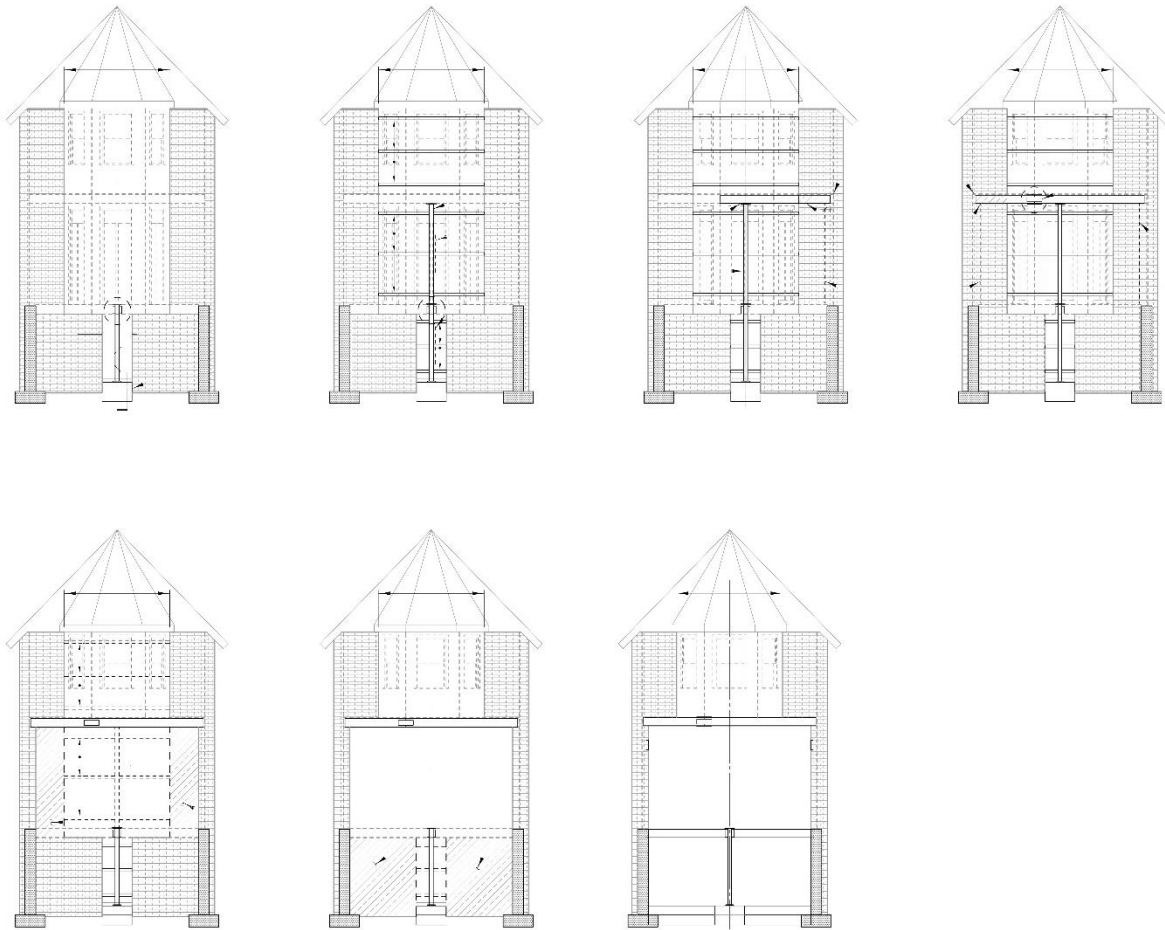
Up to 90 percent of the existing porch framing was salvaged and reinstalled as part of the completed design which integrated both the new and old.



Once the roof was shored, the new foundation walls for the extension of the basement / mechanical space were completed.

In order to connect the new with the existing at the basement and first floor, the existing masonry wall had to be removed. Steel framing was installed to create the new openings.





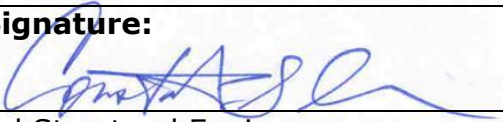
A simple but clear sketch suggests steps for removing the existing masonry wall and inserting the new steel framing while supporting the existing second story bay window which was not to be affected by the expansion.

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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