

# ENTRY FORM



## DVASE 2022 Excellence in Structural Engineering Awards Program

### PROJECT CATEGORY (check one):

Buildings under \$5M	<input checked="" type="checkbox"/>	Buildings Over \$100M	<input type="checkbox"/>
Buildings \$5M - \$15M	<input type="checkbox"/>	Other Structures Under \$1M	<input type="checkbox"/>
Buildings \$15M - \$40M	<input type="checkbox"/>	Other Structures Over \$1M	<input type="checkbox"/>
Buildings \$40M - \$100M	<input type="checkbox"/>	Single Family Home	<input type="checkbox"/>

Approximate construction cost of facility submitted:	\$3,200,000
Name of Project:	Lincoln University - Azikiwe Nkrumah Hall
Location of Project:	Lincoln University, PA
Date construction was completed (M/Y):	May 2021
Structural Design Firm:	WZG Structural Consulting Engineers, Inc.
Affiliation:	<b>All entries must be submitted by DVASE member firms or members.</b>
Architect:	Kimmel Bogrette Architecture + Site
General Contractor:	Caldwell, Heckles & Egan, Inc.

Company Logo (insert .jpg in box below)



### Important Notes:

- Please .pdf your completed entry form and email to [bsagusti@barrhorstman.com](mailto:bsagusti@barrhorstman.com).
- Please also email separately 2-3 of the best .jpg images of your project, for the slide presentation at the annual virtual presentation 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.

Lincoln University's Azikiwe-Nkrumah Hall, built in 1865, is the oldest building on campus. It was built during the Civil War when the university was originally known as Ashmun Institute. It is named for two distinguished alumni, Dr. Nnamdi Azikiwe '30, the first president of Nigeria and Dr. Kwame Nkrumah '39, the first president of Ghana. In 2016, Azikiwe-Nkrumah Hall was placed in the National Trust for Historic Preservation as one of America's 11 Most Endangered Places.

Due to the poor condition, the building was slated for demolition and to be replaced with a new welcome center, however the community petitioned to save the building.

The existing building structure consists of exterior brick bearing walls with interior wood bearing walls and wood floor framing. The exterior brick mortar joints were severely deteriorated, with many bricks cracked and deteriorating. Helical brick ties were added in several areas to "stitch" the brick walls back together. New star bolts were added to the exterior walls to brace the structure. The existing basement floor was lowered to create more head clearance. Many of the existing floor joists and all the existing roof rafters needed to be reinforced to meet the current design loads for the intended use.

The renovation brought the existing building back to life with complete masonry repairs on the exterior, a new historically accurate front porch replacement, and a steel framed conference room addition with rear entrance.

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



**BEFORE**





**BEFORE**

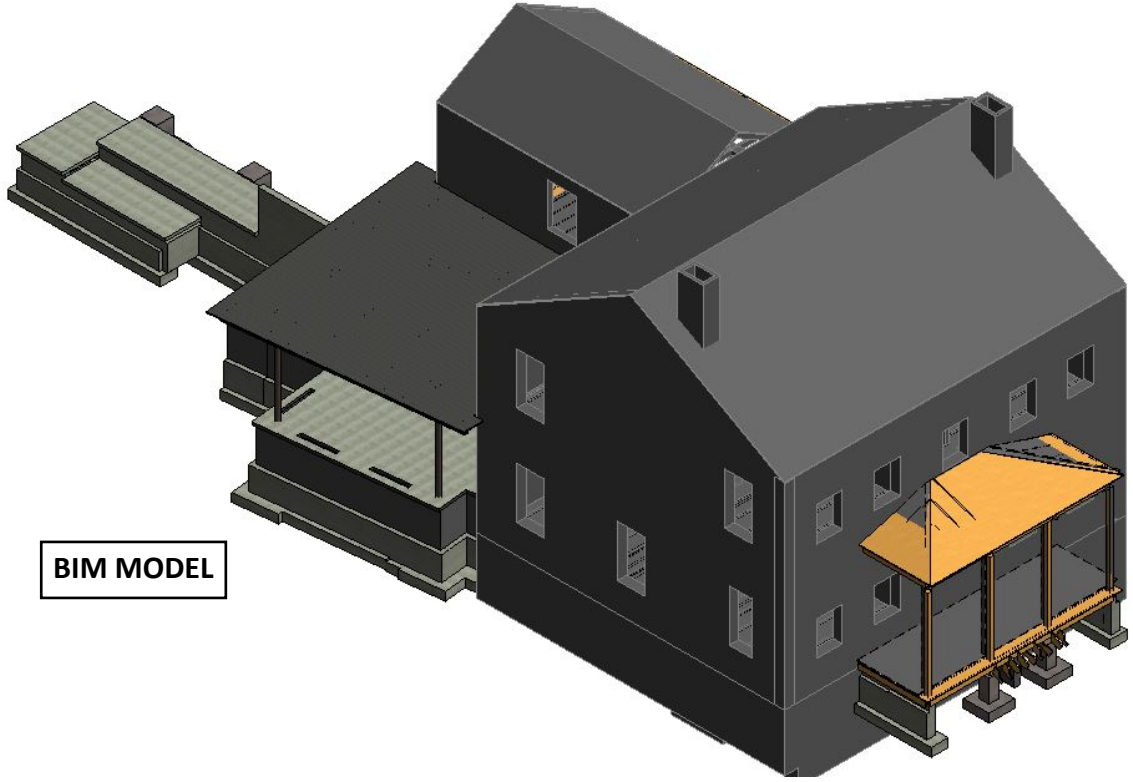




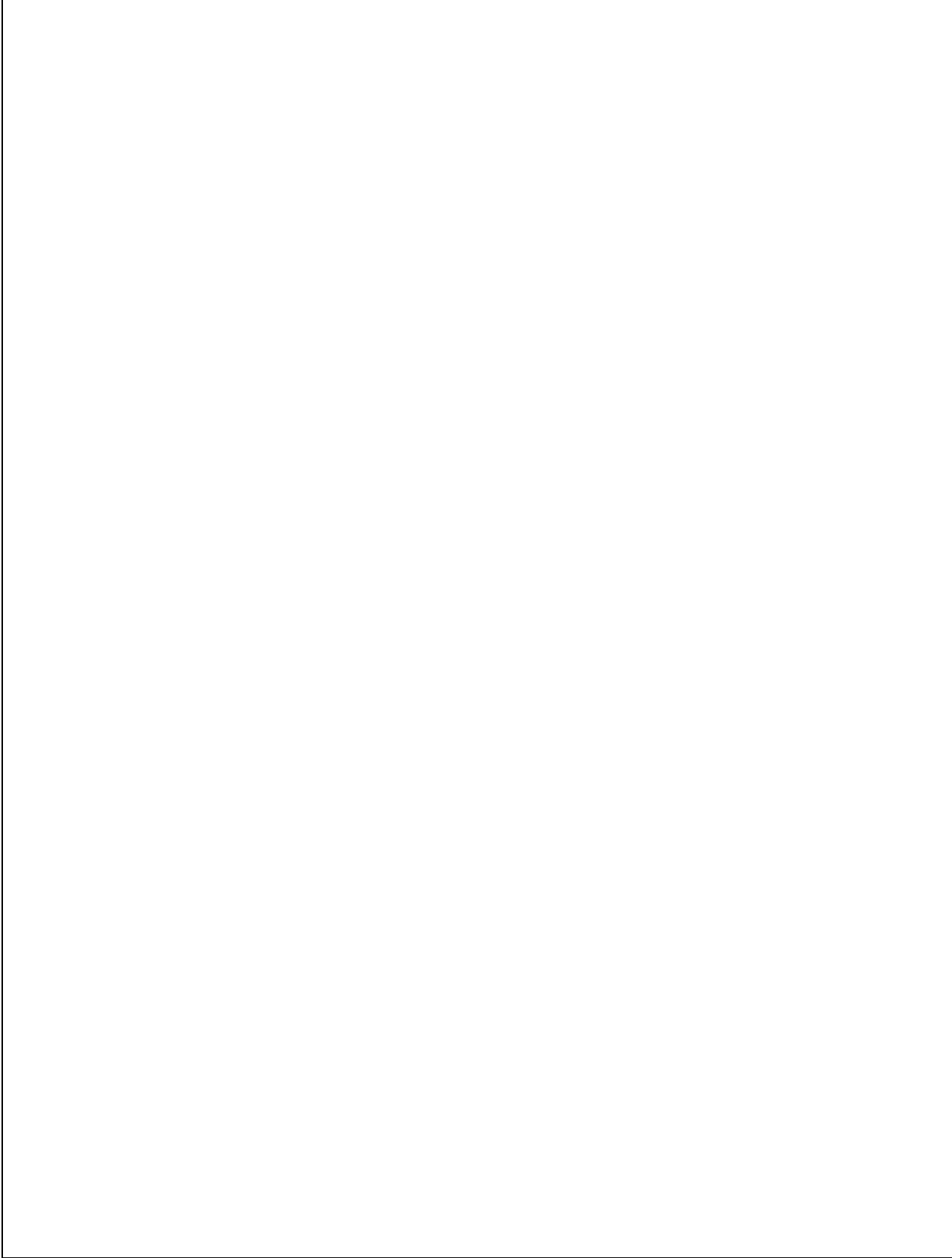
**DURING  
CONSTRUCTION**



**BEFORE**



**BIM MODEL**




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:

<b>Print name:</b> Robert Schaffer	<b>Signature:</b> 	<b>Date:</b> 4/1/2022
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<b>Telephone:</b> 610-831-0556	<b>Fax:</b>	<b>Email:</b> rschaffer@wzgstructural.com