ENTRY FORM

DVASE
2018 Excellence in Structural Engineering Awards Program

PROJECT CATEGORY (check one):

Buildings under $5M	x	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:	$3.9 million
Name of Project:	Basecamp Delta
Location of Project:	Glen Jean, WV
Date construction was completed (M/Y):	5/17
Structural Design Firm:	CVM
Affiliation:	All entries must be submitted by DVASE member firms or members.
Architect:	DIGSAU
General Contractor:	Swope Construction

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 first of six sub camps to be constructed on a 14,000 SF site at the Summit Bechtel National Scout Reserve in West Virginia, Basecamp Delta consists of a ceremonial flag plaza, headquarters building and a sculptural pavilion. Simple forms rendered in natural materials are highlighted by a vibrant color-coded wayfinding system.

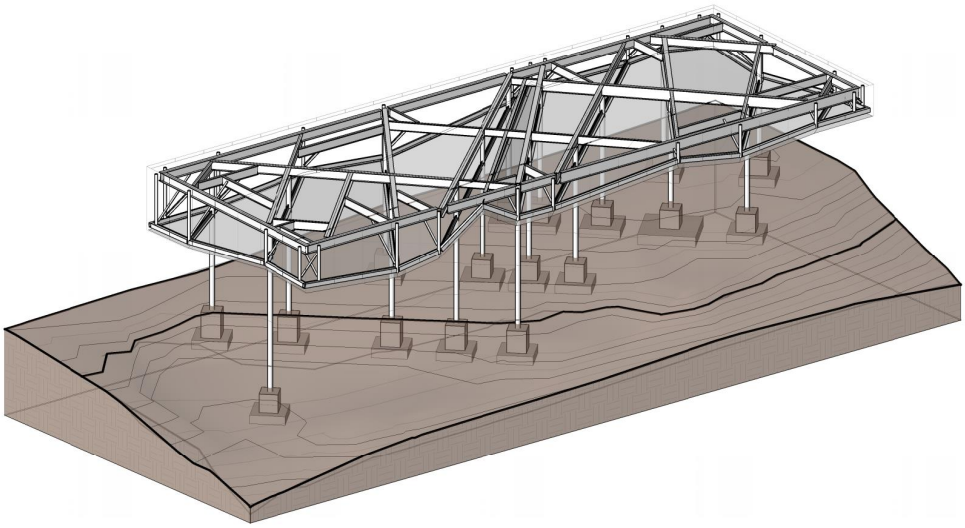
The headquarters building features exposed wood framing that utilized economical production framing techniques to create a utilitarian space that houses office space, meeting rooms, work rooms, and storage for camp equipment. The exposed roof structure consists of a combination of inverted premanufactured wood roof trusses and conventional wood framing supported by wood framed shear walls at the perimeter of the building and 7" x 20" PSL beams at the roof ridge. The wood framed shear walls are supported by CMU foundation walls and reinforced concrete wall and spread footings around the perimeter of the building.

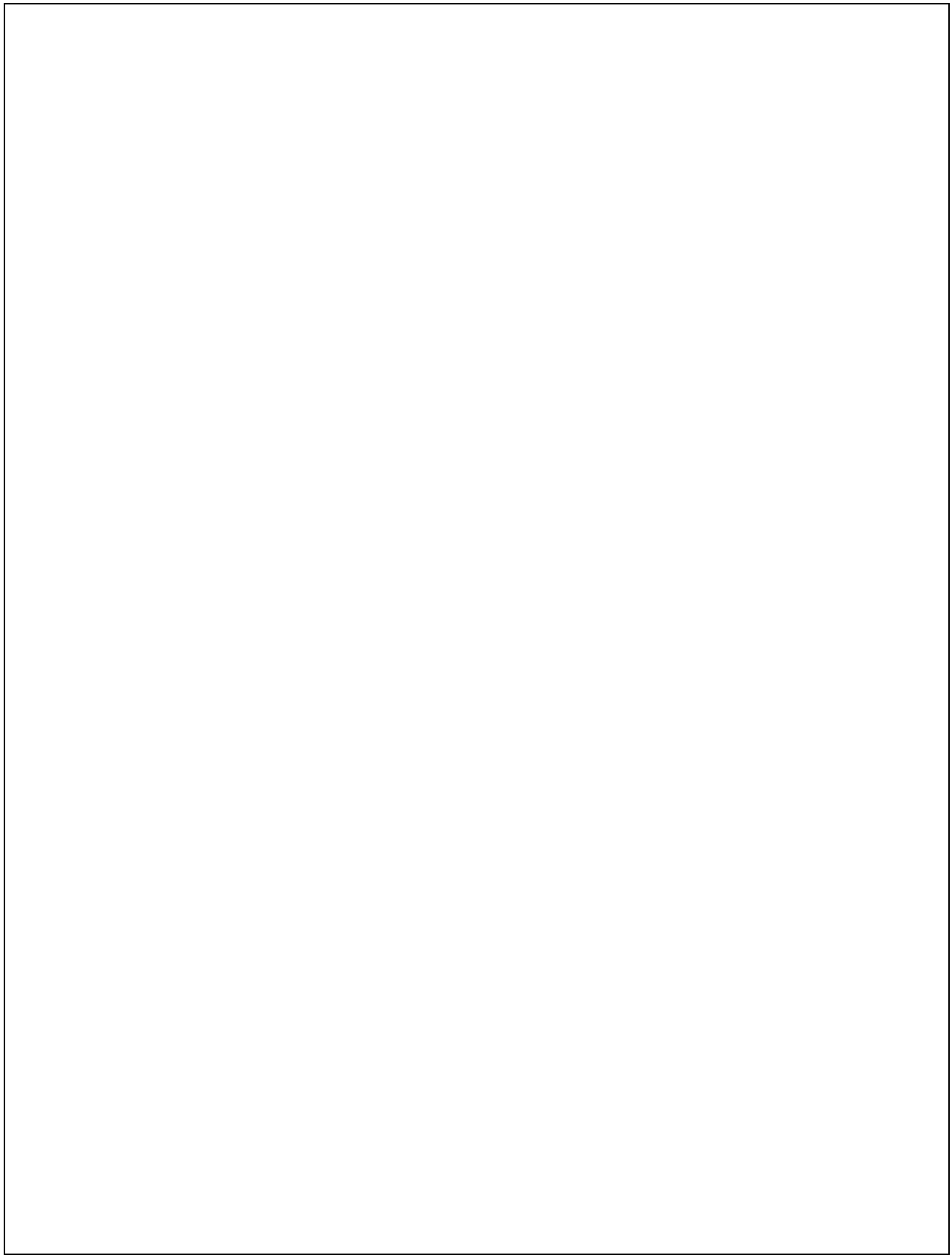
Aside from the exposed roof structure, a highlight feature includes an open building corner into the storage space. Sliding barn doors are located on two of the elevations at the corner, which allow the barn doors to be opened and the entire corner open for access into the space. The roof structure and sliding barn doors are supported by 5-1/4" x 16" PSL beams, which cantilever at the corner to form the unique door opening.

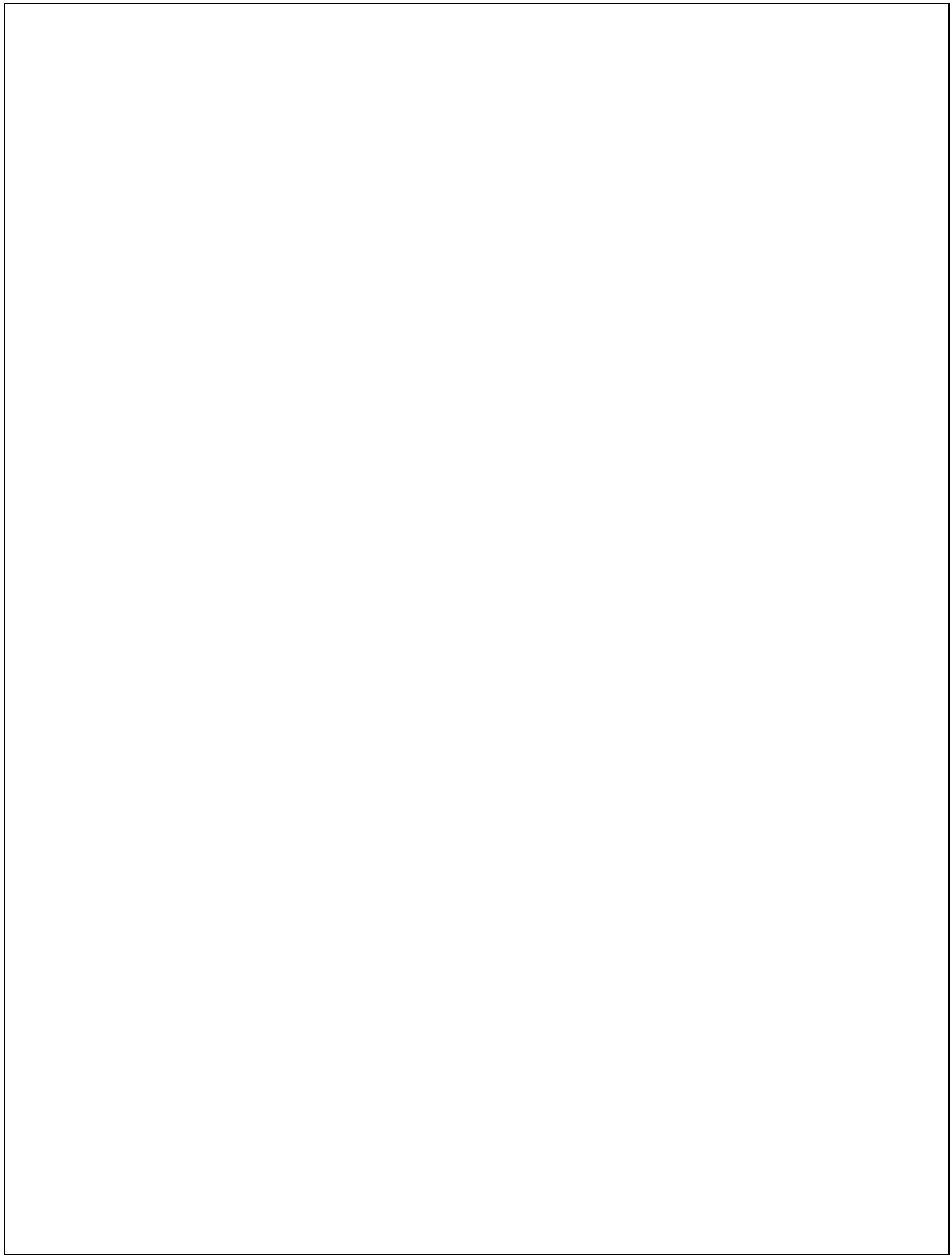
The sculpture pavilion is a steel framed outdoor pavilion that connects the surrounding mountain topography to cardinal directions through the shape and form of the roof and ceiling structure. The roof framing consists of steel wide flange beams spanning to steel HSS round column that are configurated to the east-west cardinal directions. Hung from the roof beams is a complex layer of bent plate ceiling supports, which wood clad/metal stud framed panels hang from for the ceiling. The form of the ceiling orients due north, with an arrow shaped profile in the center of the ceiling structure.

The 6" diameter double extra-strong pipe columns were designed as a cantilever column lateral system to resist the wind loads from the open terrain collected on the large wall surfaces spanning between roof and ceiling around the perimeter. The column configuration for due north orients, architecturally driven column size and pavilion height (column height of 19' – 0" in some areas), presented a challenge for the lateral performance of the structure. The steel columns are supported by reinforced concrete spread footings and are encased by reinforced concrete piers below grade.

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







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:

Print name:	Signature:	Date:
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