




**State of West Virginia  
Agency Expression of Interest  
Architect/Engr**

<b>Proc Folder:</b> 1386887			<b>Reason for Modification:</b>
<b>Doc Description:</b> A&E Services-WVSU HVAC Renovation Projects			
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BID RECEIVING LOCATION
WEST VIRGINIA STATE UNIVERSITY 5000 FAIRLAWN AVENUE FERRELL HALL RM 301 INSTITUTE WV 25112

VENDOR		
<b>Vendor Customer Code:</b>		
<b>Vendor Name :</b> Karpinski Engineering		
<b>Address :</b> Suite 111		
<b>Street :</b> 101 Hillpointe Drive		
<b>City :</b> Canonsburg		
<b>State :</b> Pennsylvania	<b>Country :</b> United States	<b>Zip :</b> 15317
<b>Principal Contact :</b> Douglas A. Barnes		
<b>Vendor Contact Phone:</b> (724) 514-7355	<b>Extension:</b>	

FOR INFORMATION CONTACT THE BUYER
Jerry D Rush 304-766-3009 jerry.rush@wvstateu.edu

Vendor Signature X 
 FEIN# 34-1391481
 DATE 03/26/2024

All offers subject to all terms and conditions contained in this solicitation

**SIGNATURE/CERTIFICATION**

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

**Douglas A. Barnes, PE / Principal**

(Name, Title)

**Douglas A. Barnes, PE / Principal**

(Printed Name and Title)

**101 Hillpointe Drive Suite 111, Canonsburg, PA 15317**

(Address)

**(724) 514-7355 / (216) 391-0108**

(Phone Number) / (Fax Number)

**dbarnes@karpinskieng.com**

(email address)

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through e-mail, I certify that: I have reviewed this solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the Commission/Institution that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the solicitation for that product or service, unless otherwise stated herein; that the vendor accepts the terms and conditions contained in the solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

By signing below, I further certify that I understand the Commission/Institution is requiring the vendor to follow the provisions of WV State Code 5A-3-62 which automatically voids certain contract clauses that violate State law.

**Karpinski Engineering**

(Company)



(Authorized Signature) (Representative Name, Title)

**Douglas A. Barnes, PE / Principal**

(Printed Name and Title of Authorized Representative)

**03/26/2024**

(Date)

**(724) 514-7355 / (216) 391-0108**

(Phone Number) (Fax Number)



**Karpinski**  
ENGINEERING



**WEST VIRGINIA STATE UNIVERSITY**  
HVAC Renovation Projects

**03/26/2024**  
AE01 2400000004



## TABLE OF CONTENTS

Section 1	Firm History, Qualifications & Consultants
Section 2	Experience
Section 3	References
Section 4	Project Approach



# FIRM HISTORY, QUALIFICATIONS & CONSULTANTS



## KARPINSKI ENGINEERING

### Firm Profile



**TOP  
100**  
*MEP Firm: Consulting-  
Specifying Engineer and  
Building Design + Construction*

**130 STAFF, 5  
LOCATIONS**  
Cleveland, Columbus,  
Pittsburgh, Akron-Canton,  
and Jamestown NY

**40+  
YEARS  
OF ENGINEERING**

**Karpinski Engineering is an award-winning, multidisciplinary engineering firm.** We partner with clients to design environments that make a positive impact on people and communities.

Karpinski is known for mechanical, electrical, and plumbing engineering, but we are so much more than MEP. Clients turn to Karpinski for technology design, specialty fire protection engineering, and civil engineering, as well as energy, sustainability, and commissioning services. We apply our diverse experience to develop effective solutions to our clients' toughest engineering challenges.

**We collaborate with dedicated higher education leaders who are working diligently to deliver exceptional educational experiences.** Our deep expertise in educational settings translates into innovative engineering solutions and student-focused spaces. We have designed MEPT systems for award-winning education projects that advance academic inquiry, athletics, and student life. Our portfolio includes academic and research buildings, student life facilities, athletics and recreation spaces, and campus infrastructure. Karpinski Engineering consistently ranks on the *BD+C* Giants Report as one of the top university sector engineering firms in the U.S.

**With our sustainable design experience, we help schools improve their environmental impact and optimize their energy use.** We have contributed to 100+ LEED Certified projects, one WELL Silver Certified project (two WELL projects in progress), and 40+ geothermal projects. Our team includes Certified Energy Managers, LEED Accredited Professionals, and experienced energy modelers.



## DOUGLAS A. BARNES, PE

Principal



### ABOUT DOUG

Doug Barnes brings energy and an eye for detail to his projects. He has been part of the Karpinski Engineering team for more than a decade. Today, he provides project and mechanical design leadership for healthcare, laboratory, and specialty projects. He is experienced in all phases of mechanical engineering, including design, cost estimating, construction administration, and building systems evaluation.

Working with clients, Doug’s communication style is direct and open. He helps clients stay informed and on-point with their projects. When leading engineering project teams, Doug’s responsiveness and knowledge contribute to an engaged, focused team.

### PROJECT ROLE

< Principal-in-Charge

### CREDENTIALS

- < Bachelor of Science, Mechanical Engineering, Grove City College
- < Pennsylvania Professional Engineer #PE090419
- < Ohio Professional Engineer #71957

### HIGHLIGHTS

- < Corresponding Member, ASHRAE Technical Committee 9.6 Healthcare Facilities
- < ASHRAE Member

### RELATED PROJECTS

**BAKER-PORTER HALL VARIOUS RENOVATIONS & UPGRADES**  
Carnegie Mellon University | Pittsburgh, Pennsylvania  
Building Study | Renovation | Fire Protection | Classroom Renovations

**FORBES & BEELER RESIDENCE HALL**  
Carnegie Mellon University | Pittsburgh, Pennsylvania  
GMP Peer Review

**HOYT HALL ADDITION & RENOVATION**  
Westminster College | New Wilmington, Pennsylvania  
Infrastructure | Boiler & Chiller Upgrade | Classroom & Lab Renovations

**ARTS CENTER**  
Seton Hill University | Greensburg, Pennsylvania  
New Construction | 46,000 SF | \$11.7 M

**TRIPPE RESIDENCE HALL**  
Penn State University | Behrend | Erie, Pennsylvania  
New Construction | 67,000 SF | \$28.5 M | LEED Silver Certified

**BERKLEY MEDICAL CENTER, SURGERY EXPANSION AND RENOVATION STUDY**  
WVU Medicine | Martinsburg, West Virginia  
Study to Plan for Surgery Expansion | Revealed Need for New Infrastructure and New Sterile Processing Department

**HEART & VASCULAR INSTITUTE RENOVATIONS**  
UPMC | Pittsburgh, Pennsylvania  
84,500 SF | \$32 M | Renovation to Offices, Cath Labs, Surgery, & Testing



## DAN DICRISCIO, PE, LEED AP BD+C

### Senior Mechanical Project Engineer



#### ABOUT DAN

Dan DiCriscio appreciates the straight-up math and science of his work: applying physics and chemistry to solve real-world problems.

He designs HVAC and plumbing systems, with expertise in laboratories. His experience spans museums, performing arts centers, industrial facilities, and other spaces with demanding HVAC design criteria. He has also served as a commissioning authority, giving him a firsthand look at how design comes together in the field.

Dan approaches his work knowing that there's always something new to learn, and he pursues opportunities to make improvements.

#### PROJECT ROLE

< Lead Mechanical Engineer

#### CREDENTIALS

- < Bachelor of Architectural Engineering  
Penn State University
- < Pennsylvania Professional Engineer  
#PEo88o68
- < Maryland Professional Engineer,  
#43126
- < LEED-Accredited Professional,  
Building Design + Construction

#### RELATED PROJECTS

##### HOYT SCIENCE CENTER ADDITION CX

**Westminster College | New Wilmington, Pennsylvania**

27,000 SF, 3-story addition | Construction phase Commissioning | LEED v4

##### HERITAGE HALL

**Ohio University | Athens, Ohio**

\$65 M | 126,000 SF New Construction | Medical Education Building

##### RHOADES HALL / APPLIED SCIENCE CENTER

**Clark State Community College | Springfield, Ohio**

\$4 M Infrastructure Upgrades | Design-Build

##### MAIN BUILDING IMPROVEMENTS

**Belmont College | Clairsville, Ohio**

93,000 SF | \$6.1 M | HVAC and Lighting Upgrades | Energy Efficiency | Select student space renovations

##### BRICKER HALL HVAC REPAIR & REPLACEMENT

**The Ohio State University | Columbus, Ohio**

32,000 SF | \$3.2 M | HVAC Renovation | VRF System | Historic Building

##### CLASSROOM VENTILATION VERIFICATION AND REPAIRS

**The Ohio State University | Various, Ohio**

113 Buildings | 255 Air Handling Units | 1,100 Classrooms | \$1.5 M Under Budget





## **KALEB DEKKER**

**Project Engineer**



### **ABOUT KALEB**

For Kaleb Dekker, customizing electrical and technology systems to each client's project is one of the most interesting parts of his job. He appreciates the opportunity to work on systems that his clients will use every day.

Kaleb collaborates with design teams to create layouts for power, lighting, fire alarm, and technology systems. He is attentive to meeting the client's design intent within the project's schedule requirements.

### **PROJECT ROLE**

< Lead Electrical Engineer

### **CREDENTIALS**

< Bachelor of Engineering, Electrical and Electronics, Grove City College

### **RELATED PROJECTS**

#### **WATER PIPING REPLACEMENT**

**The University of Pittsburgh | Pittsburgh, Pennsylvania**

Replacement of Condensed Water Piping | Completed in 2020

#### **BIOMED BUILDING**

**The Pennsylvania State University, Fayette Campus | Lemont Furnace, Pennsylvania**

Higher Education Laboratory | Study & Renovation

#### **BAKER PORTER DEITRICH COLLEGE RENOVATION**

**Carnegie Mellon University | Pittsburgh, Pennsylvania**

Office and Classroom Renovations | MEP and Technology Infrastructure Upgrades

#### **ACADEMIC BUILDING**

**Kenyon College | Gambier, Ohio**

Renovation | MEP and Fire Protection Services

#### **RHOADES HALL RENOVATION**

**Clark State Community College | Springfield, Ohio**

3rd Floor Restroom and Office Renovation | Three New Restrooms

#### **WELCOME CENTER**

**Pittsburgh Botanic Garden | Oakdale, Pennsylvania**

New Construction | 7,600 SF | Designed for Energy Efficiency



**DESMONE ARCHITECTS**

Firm Profile

# Designed to Thrive.

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## BACKGROUND

Great design is inspired by vision. We design buildings and spaces that allow people to thrive - physically, emotionally, and spiritually. Our unique service journey is rooted in effective delivery strategies and informed by principles of health and wellness. We believe that healthy spaces lead to healthy people, and healthy people lead to a healthy world.





## DESMONE ARCHITECTS

### Firm Profile

#### CURRENT CAPACITY

Desmone is organized into 7 design studios. We aim to complete projects by adopting principles found in the “agile” methodology. This methodology allows us to scale our human resources as project demands increase while maintaining a relationship with the same team the client starts the project with.

We take the time to understand the scale, type and personalities of the client to ensure we are matching the right design teams with our clients. At this point, we have resources available across all of our studios to assist in large and small projects.



CENTER FOR EDUCATION, INNOVATION & TRAINING -  
COMMUNITY COLLEGE OF ALLEGHENY COUNTY



# DESMONE ARCHITECTS

## Team

### DESMONE TEAM

#### BRADLEY FRANKHOUSER

Principal in Charge

##### Education

The Pennsylvania State University,  
Associate's Degree in  
Architectural Engineering  
Technology, 2001

##### Years of Experience

24



##### BACKGROUND

With over 24 years of experience in the Architecture industry, Bradley currently manages Desmone's Morgantown, WV office. He excels as a consistent, detail-oriented Principal/Project Manager who works closely with clients throughout the project to control costs and avoid unnecessary surprises.

Throughout his career, Bradley commits to seeing a project start to finish and ensures consistency throughout the project's duration. He executes the detail needed for design development and construction documentation by reviewing and applying building codes as well as has vast amount of higher education experience. For the last several years Bradley has been a lead project manager for educational facilities and office projects.

##### RELEVANT EXPERIENCE

WVU Medicine - Center for Nursing Education  
Morgantown, WV

California Univ. of PA - Coover Hall Renovation  
California, PA

California Univ. of PA - New Science Hall Physics &  
Chem. Lab Reno - California, PA

West Virginia University - Ascend Co-working  
Morgantown, WV

Westmoreland County Comm. College - Indiana  
Campus Academic Building - Indiana, PA

California Univ. of PA - Former Harris Farm House  
Reno & Addition - California, PA

Duquesne Univ. - Law School Lecture Hall & Moot  
Courtroom Reno. - Pittsburgh, PA

Univ. of Pittsburgh - William Pitt Student Union  
Reno. - Pittsburgh, PA

WVU - Field Hall Renovation  
Morgantown, WV

Duquesne Univ. - Rangos Physicians Assitance  
Program Relocation - Pittsburgh, PA

Indiana Univ. of PA - Culinary Reno.  
Punxsutawney, PA

Seton Hill University - Center for Orthodontics  
Greensburg, PA

WVU - Chitwood Hall Renovation  
Morgantown, WV

Clarion University - Stevens Hall Repairs  
Clarion, PA



## DESMONE ARCHITECTS

### Team

#### DESMONE TEAM

### TRAVIS HOWARD

Project Manager / Project Architect

#### Education

Fairmont State University, Master of Architecture, 2019

Bachelor of Architecture, 2017

#### Registration/Credentials

NCARB, AIA, LEED Green Associate

#### Years of Experience

8



#### BACKGROUND

Travis is a Project Architect with experience in leading architectural projects from conception to completion. He is proficient in translating client requirements into innovative design solutions while adhering to budgetary and timeline constraints. Skilled in overseeing all phases of project development, including schematic design, construction documentation, and construction administration. Travis excels in communication with cross-functional teams, contractors, and stakeholders to ensure seamless execution of projects.

#### RELEVANT EXPERIENCE

WVU Chitwood Hall Renovation  
Morgantown, WV

WVU Ascend Co-Working Space  
Morgantown, PA

WVU Ascend Co-working Space  
Morgantown, WV

Westmoreland County Community College - Indiana  
Campus - Indiana, PA

California University - Coover Hall Renovations  
California, PA

WVU Medicine - Fieldcrest Hall Renovation  
Morgantown, WV

PennWest California Kara Alumni House  
California, PA

IUP Culinary Arts Master Plan  
Indiana, PA

California University - Music Dept Relocation Study  
California, PA

IUP Existing Culinary Facility Renovation & Addition  
Indiana, PA

\*Extensive project list available upon request



# EXPERIENCE



**KARPINSKI ENGINEERING**  
Higher Education Experience



**Belmont College**  
St. Clairsville, Ohio  
Health Sciences Center  
Main Building Improvements

**Bowling Green State University**  
Bowling Green, Ohio  
2018 Building Assessments

**Carnegie Mellon University**  
Pittsburgh, Pennsylvania  
Baker Porter Study  
Forbes & Beeler Residence Halls  
Peer Review  
Ansys Hall Set Review & MEP  
Training

**Case Western Reserve University**  
Cleveland, Ohio  
Health Education Campus  
Fribley Commons Renovation &  
Expansion

**Cleveland State University**  
Cleveland, Ohio  
Center for Innovation in Medical  
Professions  
Student Center

Main Classroom Building Renovation  
School of Film, TV and Interactive  
Media

**College of Wooster**  
Wooster, Ohio  
Facilities Assessments  
Library Energy Study  
Lowry Student Center

**Columbus State Community College**  
Columbus, Ohio  
Columbus Hall Boiler Replacement  
Union Hall Various Renovations

**Cuyahoga Community College**  
Cleveland, Ohio  
Eastern Campus Mandel Humanities  
Center  
Manufacturing Center for Excellence  
Addition & Renovation  
Metro Campus Center

**Grace College**  
Winona Lake, Indiana  
Dr. Dane A Miller Science Complex

**Grove City College**  
Grove City, Pennsylvania  
Ketler Auditorium Heat and  
Smoke Vent Reduction Study

**John Carroll University**  
University Heights, Ohio  
Sustainability and Energy Study  
Rodman Hall Renovation

**Kent State University**  
Kent, Ohio  
Art Building Study  
Beall, McDowell, Prentice, and  
Dunbar Halls HVAC Renovations  
Clark, Manchester, and Fletcher  
Halls HVAC and Student Room  
Improvements  
Geauga Campus Classroom  
Building HVAC Renovations

**Kenyon College**  
Gambier, Ohio  
Academic Building  
Administration Building



**KARPINSKI ENGINEERING**  
Higher Education Experience



**Mercyhurst University**  
Erie, Pennsylvania  
Tom Ridge Health and Safety  
Building  
Hammermill Library Renovation

**Oberlin College**  
Oberlin, Ohio  
Burton Hall Renovation  
Allen Memorial Art Museum LEED  
Administration

**The Ohio State University**  
Columbus, Ohio  
Bricker Hall HVAC Repair &  
Replacement  
COVID-19 Filter Study  
Enarson Classroom HVAC  
Improvements  
Hitchcock Hall HVAC Repair &  
Replacement  
Kottman Hall HVAC Renovation  
Library Book Depository HVAC and  
Hydronic System Modifications  
Newton Hall Addition and  
Renovation



**Ohio University**  
Athens, Ohio  
Alden Library Infrastructure  
Renovation Ph. 3 & 4  
Heritage Hall, Heritage College of  
Osteopathic Medicine  
Heritage College of Osteopathic  
Medicine at Cleveland Clinic South  
Pointe

**Penn State University**  
Commonwealth Campuses  
Beaver Campus Library Classroom  
Renovations  
Fayette Campus Classroom Building  
Upgrades



**Pittsburgh Theological Seminary**  
Pittsburgh, Pennsylvania  
Barbour Library Renovation  
Commissioning

**Seton Hill University**  
Greensburg, Pennsylvania  
Arts Center

**University of Saint Francis**  
Fort Wayne, Indiana  
Achatz Hall of Science

**Theil College**  
Greenville, Pennsylvania  
James Pedas Communication  
Building  
Academic Center Boiler  
Replacement

**Westminster College**  
New Wilmington, Pennsylvania  
Hoyt Hall Science Building  
Media Art + Design Building

**Youngstown State University**  
Youngstown, Ohio  
Beeghly Center Natatorium  
Renovation





## HITCHCOCK HALL HVAC REPAIR & REPLACEMENT

The Ohio State University



### PROJECT STATS

- < 34,000 SF
- < \$1.3 M
- < Year complete: 2016

### SERVICES

- < Mechanical
- < Electrical
- < Plumbing
- < Commissioning

Karpinski Engineering designed new HVAC for portions of Hitchcock Hall, an engineering classroom building. They replaced two of the building's air handlers, which had reached the end of their operational life.

**The equipment replacement improves energy efficiency.** OSU prioritized efficiency in system selection and operations. The design team implemented controls strategies to improve system energy efficiency and take advantage of part-load situations.

**A summer construction schedule accommodates partial occupancy.** The construction schedule took advantage of the summer months, when students are off campus. Because faculty and administrative offices remained occupied during construction, the team provided temporary plans for space conditioning.

**Functional performance testing verifies system functionality.** The team performed functional performance testing of the installed equipment (air handlers and VAV boxes) and controls. They also provided testing and balancing.



## BEALL, MCDOWELL, PRENTICE, AND DUNBAR HALLS HVAC RENOVATIONS Kent State University



### PROJECT STATS

- < 4 Buildings
- < \$15.7 M
- < Year complete: 2015

### SERVICES

- < Mechanical
- < Electrical

Kent State University refreshed four mid-century residence halls with new HVAC systems. The buildings – Beall, McDowell, Prentice, and Dunbar Halls – house nearly 1,000 students.

Karpinski Engineering served as the MEP criteria engineer, after serving as the MEP design engineer on a previous residence hall renovation project. They also provided construction administrations services.

**Updated HVAC provides both heating and cooling.** The existing two-pipe HVAC systems provided heating only. KSU replaced them with four-pipe systems for heating and cooling.

**Design-build method expedites project delivery.** KSU needed to keep the halls online throughout the academic year, so renovations needed to be completed during the summer months. The design-build delivery allowed for the compressed construction schedule.

The project was managed via OAKS-CI.



## DESMONE ARCHITECTS

Experience

HIGHER EDUCATION

# WVU Medicine - Center for Nursing Education.

### CLIENT

WVUIC / WVU Medicine

### LOCATION

Morgantown, WV

### SERVICES

Envision  
Plan  
Design  
Execute  
Thrive

### PROJECTED COST

\$8,000,000

### AREA

25,845 est. sq. ft

### START DATE

January, 2024

### END DATE

Est. March, 2025

### OVERVIEW

This is a newly leased area of 25,845 square feet designated for the tenant fit-out of the WVU Medicine Center for Nursing Education within the existing WVU Innovation Center, which spans approximately 1.1 million square feet. The fit-out aims to accommodate around 250 students who will complete their program in 1.5 years, earning a fully accredited degree, as opposed to the standard 4-year nursing program. The focus is on enhancing the practical interaction of nursing education with patients, real-life scenarios, and the actual work environment, facilitating hands-on learning. This shift in educational approach increases clinical exposure while reducing classroom time, thereby transforming the learning experience for students.

The fit-out includes five flexible classrooms designed for hands-on learning, five simulation labs equipped with control rooms for educators to oversee students remotely, and a six-bed Skills Lab alongside a nursing station and a Hands-on Learning Lab. Furthermore, the space incorporates standard amenities found in educational institutions, such as private breakout areas, staff offices, lounges for both staff and students, a testing center, restroom facilities, locker rooms, a meditation room, and a washroom.

Health & Wellness

Creative

Collaborative

Personable





## DESMONE ARCHITECTS

Experience

HIGHER EDUCATION

# Edinboro Learning Commons.

### CLIENT

Edinboro University

### LOCATION

Edinboro, PA

### SERVICES

Envision

Plan

Design

Execute

Thrive

### ACTUAL COST

\$1,100,000

### AREA

12,515 sq. ft

### START DATE

October, 2015

### END DATE

January, 2017

### OVERVIEW

Edinboro University Learning Commons is an interior renovation of 12,515 SF on the second floor of the Baron Furness Library. Spaces included within the renovation are the Writing Center, Test Center, Career and Adult Student Services, International Student Services, associated offices, a conference room, and a shared tutoring and classroom space complete with a folding partition.

The renovation will have all new finishes and ceiling treatments throughout to provide a modern ambience. The wall separating the Learning Commons and Library serves as a feature wall to create a playful space with added color. Glazing was used within the feature wall to provide transparency between the learning commons space and Library.

Established

Collaborative

Humanist

Personable

Creative





# Additional Higher Education Experience.

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Desmone has experience with numerous large Higher Education projects as the profile sheets display. Many have been completed with the Pennsylvania State System of Higher Education under the open-ended contract.

We understand and take pride in recognizing the time and attention to detail these project types require and consider them to be our specialty. The following are projects completed per University over the last 10 years.

## CALIFORNIA UNIVERSITY OF PA

- Roadman Park Softball Facility Study
- Philipsburg School Renovation
- Roof Replacements
- Morgan Hall Wheelchair Lift Installation
- Manderino Data Center Upgrades
- SAI Farm Renovation/Addition & Pavilion
- New Science Hall Classroom Renovation
- New Science Hall NMR Installation
- New Science Hall Facade Study
- Elevator Renovations
- Adamson Stadium Elevator Addition
- Adamson Stadium Concession Stand
- Adamson Stadium IT Building & Wave Cam
- Philipsburg Soccer Facility

## WEST VIRGINIA UNIVERSITY

- Center for Nursing Education
- United Linen Services Study
- WVUIC - Omnia Medical
- Ascend Co-Working
- Chitwood Hall Renovation
- Field Hall Renovation





## DESMONE ARCHITECTS

### Experience

#### UNIVERSITY OF PITTSBURGH

William Pitt Union 9th Floor Renovation  
SIS 8th Floor Renovation  
ADA Upgrades  
Cathedral of Learning Misc. Classroom Renovations  
Salk Hall Classroom Upgrades  
EDC Server Room Upgrades  
Family Medicine

#### CLARION UNIVERSITY

Marwick Boyd / Rhoades / Gemmel /  
Montgomery Roof Replacements  
Carlson Library Water Infiltration Repairs  
Stevens Hall Water Infiltration Repairs  
Marwick Boyd Stage Curtain Abatement  
Suhr Library Feasibility Study

#### SETON HILL UNIVERSITY

Center for Orthodontics  
Visual Arts Center Study

#### ROBERT MORRIS UNIVERSITY

Athletics Storage Building

#### DUQUESNE UNIVERSITY

WDUQ Radio Relocation  
College Hall Restroom Renovation  
Rangos Physician Assistant Dept. Relocation  
Law School Moot Court & Classroom Reno.  
HR Building Study  
Pharmacy Wellness Center

#### EDINBORO UNIVERSITY

Van Houten Dining Hall Renovation  
Library Learning Commons / Pod Cast Studio  
& Art Gallery  
Library Master Plan

#### INDIANA UNIVERSITY OF PA

Food Service Master Plan  
Culinary Master Plan  
Culinary Facility Upgrades  
Sutton Hall Restroom Renovation  
Foster Hall Feasibility Study  
Grant Street Park  
Athletic Field Upgrades





# REFERENCES





## KARPINSKI ENGINEERING

### Reference Letter



## WOOSTER

Facilities Operations

March 11, 2024

To Whom It May Concern,

It is with great pleasure that I provide this letter of recommendation for Karpinski Engineering and their professional staff.

My current role for The College of Wooster is Director of Facilities Budget & Project Administration. I have worked with Karpinski Engineering for 5 years on a variety of projects throughout our campus. They have become a trusted resource for the College that we can rely on for any project.

Karpinski Engineering provided professional consulting engineering services which included full plumbing, fire protection, HVAC, electrical, and technology designs as dictated by the project scope.

On the Lowry Student Center Project, Karpinski Engineering's staff provided excellent communication, planning, and designs for a large multi-phased renovation project where parts of the building had to remain active. Karpinski Engineering's staff collaborated well with our campus facilities team members and our construction partners to ensure each phase of the project was successful. They were actively engaged as our team members from the beginning conceptual planning stages through the final construction completion.

The College of Wooster has realized significant value from Karpinski Engineering and would I recommend them for any project requiring consulting engineering services.

Sincerely,

Beau Mastrine, CGM

Director of Facilities Budget & Project Administration

The College of Wooster

1 | Page

Facilities Operations  
580 E. Wayne Avenue  
Wooster, OH 44691





## KARPINSKI ENGINEERING

### Reference Letter

## UC SANTA BARBARA

Design & Construction Services

February 7, 2024

To Whom it May Concern,

I provide this letter of recommendation for Karpinski Engineering.

I worked with Karpinski Engineering for over 15 years on a variety of projects at Cleveland State University when I was the Executive Director of Capital Planning and University Architect. The Karpinski team regularly provided full professional MEPT engineering services on many projects.

As an owner's representative I always hold it in high regards when a consultant has longstanding relationships with the owner. The fact that we returned to them many times was a testament to their continued good service and excellent communication skills. They consistently listened to our specific requirements while demonstrating a collaborative spirit.

I highly recommend Karpinski Engineering as part of your team of design professionals.

Sincerely,

Ed Schmittgen  
Associate Director and Campus Building Official  
University of California, Santa Barbara



## KARPINSKI ENGINEERING

### Reference Letter



February 13, 2024

To Whom It May Concern,

It is with immense pleasure that I provide this letter of recommendation for Karpinski Engineering and their professional staff.

In my role as Vice President, I have worked with Karpinski Engineering for nine years. Annually Karpinski Engineering is actively involved with five to six College projects. I am always happy to see Karpinski on a project team because I know I can rely on them to deliver results.

Karpinski Engineering provided professional services including, full consulting MEPT engineering as dictated by the project scope, feasibility studies, and design services. Their approach involves close collaboration, open communication, responsiveness, and results. Karpinski's attention to detail and problem-solving have helped to keep our projects on track and on budget.

Cuyahoga Community College has realized significant value from Karpinski Engineering. Their elevated level of collaboration, communication, responsiveness, and results are among the many reasons I recommend them for any project requiring consulting engineering services.

Sincerely,

Cynthia Leitson  
Vice President  
Capital, Construction and Facilities  
Cuyahoga Community College

*Capital, Construction & Facilities*  
District Administrative Services  
700 Carnegie Avenue  
Cleveland, Ohio 44115-2878  
216-987-4653

*Cuyahoga Community College is an affirmative action / equal opportunity institution.*



# PROJECT APPROACH





## KARPINSKI ENGINEERING

### Project Approach

At the outset of the project, we will meet with West Virginia State University's team to identify the current needs and expectations for the Drain-Jordan Library, Wallace Hall, Ferrell Hall, Fleming Hall and Cole Complex. We will discuss West Virginia State University's priorities for the new system or equipment, including your preferred system or equipment type, performance, functionality, lifespan and budget.

#### Identify Existing Conditions

As we proceed with the project, we will review existing drawings and conduct field observations. This allows us to understand the current facility conditions and begin planning the upgrades. We will identify the existing system or equipment age, condition, capacity, controls, code compliance, and deficiencies. If present and observable, hazardous materials will be identified. We will also be mindful of potential structural or architectural impacts.

At this stage, conversations with facilities staff are a valuable part of our investigations. Facilities staff bring hands-on knowledge of the building systems. They understand how the equipment is operated, what is working well with the existing equipment, and where they see opportunities to improve equipment functionality with the new equipment.

#### Design and Engineering

Karpinski documents our design with the creation of drawings and specifications. Our design process is focused. We like discussing the available options and establishing direction early in design, so that we can focus on detailing the design later in the design stage.

When renovating and upgrading HVAC equipment and systems, there are a number of design factors to consider.

◀ **System or Equipment Type.** We will assess different manufacturers and equipment, and we will learn West Virginia State University's preferences regarding specific manufacturers or system types. We typically focus on proven technologies with good track records, so that WVSU can be confident in their system. Where possible, we like to review with facilities staff the different technologies available, so that they understand the differences in equipment selections and can contribute their expertise to the decision-making process.

◀ **Performance and Functionality.** What kind of performance and functionality does WVSU want from their system? Energy efficiency, reliability, redundancy and controls are all part of this conversation. WVSU's preferences will help shape design decisions.

◀ **Selecting Energy-Efficient Systems and Designing for Efficient Operation.** Energy efficiency depends on both the systems that are selected and the way that they are operated. We give attention to both. Additionally, we are attentive to what the facility staff can reasonably operate and maintain.

◀ **Impact of Current Code Requirements.** Our team keeps up on the relevant codes and standards, and we are attentive to how they affect the specific systems or equipment being addressed, as well as potential trickle-down effects (where changes in this system or equipment may impact other systems or equipment).

◀ **Phasing.** WVSU's operational requirements are factored into our design. We will incorporate phasing plans as needed for situations such as continuous operation and/or limited shutdowns or accommodating construction phased over summer or winter breaks.

#### Construction Phase Services

During construction, Karpinski Engineering will review shop drawings, answer RFIs, and review change orders. We will visit the site on a regular basis and provide a field report of the contractor's progress of work. We will review the contractor's pay requests. We will provide a punch list inspection upon substantial completion of the project.

**GOING BEYOND.**

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