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Header @ 2

 List View 

General Information | [Contact](#) | [Default Values](#) | [Discount](#) | [Document Information](#) | [Clarification Request](#)

Procurement Folder: 858601

Procurement Type: Central Contract - Fixed Amt

Vendor ID: 

Legal Name: CDI INFRASTRUCTURE LLC

Alias/DBA:

Total Bid: \$0.00

Response Date: 

Response Time:

Responded By User ID: 

First Name:

Last Name:

Email:

Phone:

SO Doc Code: CEOI

SO Dept: 0403

SO Doc ID: DBS210000001

Published Date: 4/14/21

Close Date: 4/22/21

Close Time: 13:30

Status: Closed

Solicitation Description: 

Total of Header Attachments: 2

Total of All Attachments: 2



Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

**State of West Virginia
 Solicitation Response**

Proc Folder: 858601
Solicitation Description: A&E EOI for Renovation and Assessment Projects at the WVSDB
Proc Type: Central Contract - Fixed Amt

Solicitation Closes	Solicitation Response	Version
2021-04-22 13:30	SR 0403 ESR04212100000007213	1

VENDOR
 000000167118
 CDI INFRASTRUCTURE LLC

Solicitation Number: CEOI 0403 DBS2100000001
Total Bid: 0
Response Date: 2021-04-21
Response Time: 18:28:17
Comments:

FOR INFORMATION CONTACT THE BUYER

Joseph E Hager III
 (304) 558-2306
 joseph.e.hageriii@wv.gov

Vendor Signature X **FEIN#** **DATE**

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

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Architectural Engineering				0.00

Comm Code	Manufacturer	Specification	Model #
81101508			

Commodity Line Comments:

Extended Description:

Services of an architectural engineering firm



WV SCHOOLS FOR THE DEAF AND BLIND

PROPOSAL FOR:
RENOVATION AND ASSESSMENT PROJECTS

CEOI 0403 DBS2100000001

DUE: April 22, 2021

SUBMITTED BY:

CDI-Infrastructure, LLC dba L.R. Kimball



Contact:

L.R. KIMBALL

David Rispoli, PE, PMP

Director of Architecture and Engineering

615 West Highland Avenue

Ebensburg, PA 15931

Office: 814.419.7897

Mobile: 814.935.7165

Email: david.rispoli@lrkimball.com

April 21, 2021

Mr. Joseph Hager, III
West Virginia Department of Administration
Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

RE: Expression of Interest for Renovation and Assessment Projects at the WV School for the Deaf and Blind

Dear Mr. Hager,

In 1870, teachers communicated with profoundly deaf children by sign language or by placing the child's hand on their cheek to detect vibration and read lips. Schools for blind children provided elementary education and vocational training with the aid of embossed letters and symbols. Over the next 151 years, advancements like mobility aids, otoacoustic emissions testing, bilateral cochlear implants, optical aids, text to speech readers, and blue tooth technology have profoundly changed education for hearing and vision impaired students. One philosophy remained constant:

***"Access to communication in the widest sense is access to knowledge."
... Louis Braille***

With neighborhood schools able to provide special education services to students with lower incidences of hearing or vision impairment, West Virginia School for The Deaf and the Blind (WVSDB) enrolls an increasing percentage of students with multiple disabilities. With advancements in diagnostic testing, students arrive at younger ages. In 1870, WVSDB deaf students lived and learned in one building, blind children in another. We are excited to provide our Expression of Interest for renovation and assessment of facilities for the transition of your campus from organization by deaf versus blind impairment to age-appropriate learning with unique educational programming for each child.

The Right Team

With over 40 years of experience in Architecture for Education, L.R. Kimball has completed hundreds of educational projects, nationally and internationally. Our team includes specialized experience in planning and design for deaf, blind, and deaf-blindness learning and living environments. L.R. Kimball's in-house, multidisciplinary team of Architects and Engineers is well-versed in the campus planning, educational facility planning, mechanical/electrical systems, energy-efficient design standards, security, and educational technologies that support today's school buildings.

Our team includes James R. Thompson AIA, with over 34 years of experience in school planning and design. Jim chaired the Board of Trustees for the DePaul School for Hearing and Speech. He guided a campus and facility planning process, which resulted in the adaptive use of a private high school for elementary education of profoundly deaf students. He served as project Architect for Linsly School in Wheeling WV. Like WVSDB, Linsly required optimum flexibility and adaptability for each living and learning environment. Jim served as Principal Architect for Western Pennsylvania School for Blind Children, completing multiple renovations in historic Mary Schenley Building (circa 1894). He conducted West Virginia School Building Authority Long-range Comprehensive Educational Facilities Plans for nearby Hardy County and Mineral County. Jim will lead planning and design throughout your campus building program.

Cochlear implant students can be hyper-sensitive to air-borne noise. Vision impaired students rely more heavily on hearing and touch. We selected NV5 to provide AV Technology services, including vibration and noise control. NV5 planned state-of-the-art specialized classrooms, auditorium, and distance learning spaces in Hoey Hall for North Carolina School for the Deaf in Morganton NC. They planned science labs with cutting-edge technologies aiding in varied learning needs of deaf students in Hall Memorial Building for Gallaudet University in Washington D.C. NV5 followed Gallaudet's innovative DeafSpace Guidelines to control unwanted vibration and air-borne noise.

I will lead your team as Principal-in-charge. Diane C. Glarrow AIA will manage your planning and design team. Similar to your project, we are in the final stages of a 25+ building assessment and subsequent improvement projects for Toms River Regional Schools. Following an assessment of all the buildings, equipment, and infrastructure, our team provided a priority list of renovations and improvements. We have been implementing those renovations and expansions in a phased approach. Diane and I are both Principals at L.R. Kimball. We will commit needed resources to WVSDB throughout the planning, design, and construction process.

We have bolstered our team with these trusted consultants:

- **NV5** (formerly The Sextant Group), will provide technology consulting
- **Skelly & Loy**, will provide Environmental consulting services
- **Trophy Point**, a Service Disabled, Veteran Owned Small Business, will provide cost estimating services

Great school design affects student performance. The warmth of the sun. The foot-fall of the school Principal. Child-safe traffic planning. Alluring aromas. The whisper of an open window. The delight of students when teachers forget to turn off their microphones at lunch. Calming colors. We promise our attention to detail as you re-invent your campus.

We respectfully submit our qualifications for consideration. We would love to collaborate with the WVSDB team. Thank you for your consideration of L.R. Kimball.

Sincerely,



David Rispoli, PE, PMP

Director of Architecture and Engineering



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3.0 FORMS



RICH



RICHLAND HIGH SCHOOL

New Richland Junior/Sr. High School, Johnstown, PA
designed by L.R. Kimball

1.0 QUALIFICATIONS & EXPERIENCE



L.R. Kimball

Firm:

CDI Architects Group LLC dba L.R. Kimball - Architecture and Engineering
615 West Highland Avenue
Ebensburg, PA 15931
Phone: 814.472.7700
Fax: 814.472.7712
Website: www.LRKimball.com

Contact:

David Rispoli, PE, PMP
Director of Architecture & Engineering
615 West Highland Avenue
Ebensburg, PA 15931
Office: 814.419.7897
Mobile: 814.935.7165
E-Mail: david.rispoli@lrkimball.com

ABOUT OUR TEAM

"L.R. Kimball Team DNA - we were BUILT for this project"
- David Rispoli, PE, PMP
Director of Architecture & Engineering

FULL SERVICE PLANNING & DESIGN



Master Planning



Site Planning

68 YEARS
IN BUSINESS

450+
K-12 SCHOOL
FACILITY PROJECTS

25 INTERNATIONAL
SCHOOLS

80+ SCHOOL DISTRICTS
ACROSS 8 U.S. STATES

1,300+ PROJECTS
ACROSS WV

WHY CHOOSE THE L.R. KIMBALL TEAM?

Local, full-service architectural and engineering design team



National & international K-12 planning & design experience



With over 40 years of experience specializing in the field of Architecture for Education, we have completed hundreds of educational projects at over education institutions both nationally and internationally. These projects range from \$100,000 repair projects to mechanical and electrical system replacements, feasibility studies, and strategic planning studies to major multi-million-dollar educational facilities including academic and classroom buildings, convocation centers, performing arts centers, student residences, libraries, technology buildings, science labs, recreational facilities, administration buildings, and dining facilities. Our project experience includes renovations and retrofits, expansions, adaptive reuse, demolition consulting, and new construction for K-12, college, university, and technical training facilities.



Architecture



Engineering



Demolition

4.7 MILLION
SQUARE FEET OF
SCHOOL PROJECTS DESIGNED

2 MILLION SQUARE FEET
AND OVER

\$325 MILLION
IN CONSTRUCTION VALUE OF
LEED CERTIFIED PROJECTS



One of the First LEED
Gold Certified K-12
Schools in the Country

**Energy savings
improvement experience**



**Experience working with multiple
stakeholders to find the best solution
for our clients**





TEAM INTRODUCTION

For your project, we have assembled the following team of experts to handle any aspect of your project that may arise.

L.R. Kimball - Prime, Architecture, Building Systems Engineering, Civil Engineering, and Construction Administration

- *Our Ebsenburg office is located just 2 hours away and our Charleston office is located 4 hours from the WVSDB*
- 68 years in business and 40+ years of experience in Architecture for Education, we are a full-service architecture and engineering design firm.
- L.R. Kimball has had the pleasure of working in WV for over 45 years.
- Our team has completed complex MEP system and security upgrades for a variety of project types.
- Our team is adept at handling nearly any type of project from upgrades and improvements to new construction.

Skelly & Loy - Environmental Services

- Founded in 1969, now part of Terracon Consultants, Inc. - a national consulting firm
- L.R. Kimball and Skelly & Loy have worked together on five projects since 2000

NV5 - Technology Specialists

- NV5 (formerly The Sextant Group) is a national independent consulting firm with over 80 experienced and highly-certified technical specialists. They provide owners and architects throughout North America with innovative and effective technology solutions for collaboration, presentation, communication, healing, and entertainment spaces. Markets served include education, healthcare, corporate, government, performing arts, libraries, and sports & recreation.
- The Sextant Group was acquired by NV5 in March 2019
- L.R. Kimball and NV5 have worked together since 2006 on 4 projects.

Trophy Point - Cost Estimator

- Service-Disabled Veteran-Owned Small Business
- Offices in Pittsburgh, PA and Blasdell, NY
- Trophy Point's team consists of construction industry professionals with diverse and complementary backgrounds, educations, training and collective experiences that benefit any project team they support.
- President & Owner, Rich Chudzik brings over 20 years of leadership experience across organizations and teams of varying functions, sizes, and industries. Rich has served as the Estimator-of-Record and Project Manager on several new-build and renovation projects.

The following pages describe in more detail, the firm backgrounds of each of our team members.

L.R. Kimball Firm Description

Company Name: CDI-Infrastructure, LLC dba L.R. Kimball

Mailing Address: 615 West Highland Avenue,
Ebensburg, PA 15931

Primary Contact & Title:
David Rispoli, PE, PMP
Director of Architecture & Engineering

Phone: 814.472.7700 **Fax:** 814.472.7712

Website: www.lrkimball.com

Type of Organization: Full-Service Architecture &
Engineering Design Firm

Staff Size: 171 (Architects, Engineers and Support Staff)

Company Overview:

Founded in 1953, L.R. Kimball is recognized as one of the nation's leading professional service companies offering architecture and engineering design services to a diverse range of public and private-sector clients.

With offices in WV, PA, TX, MI, and LA, we employ over 150 architects, engineers, designers, and support staff. Our clients benefit from our deep bench of talented professionals and effective quality control procedures that result in award winning, timely, cost-efficient projects.

Embracing a "one team" attitude that facilitates a multi-disciplinary, holistic approach to design and project delivery, the firm's portfolio encompasses an array of project types, from feasibility and condition studies and master plans to minor and major renovations, as well as retrofitting, expansion, adaptive reuse, and new construction.

With over six decades of leadership, we partner with the organizations that make modern living possible, from the leading providers of energy and critical raw materials, to the finest educational institutions, and to the government agencies serving our communities.

The following pages include L.R. Kimball's full list of services, and additional information regarding our Educational sector experience.





Architecture & Engineering



Architecture

- Master Planning
- Urban Design
- Building Design
- Interior Design
- Sustainable Design
- Facility Assessments

Facilities Engineering

- Mechanical
- Electrical
- Structural
- Fire Protection

Civil Engineering



- Stormwater Facilities
- Wastewater Engineering
- Brownfield Development
- Dams & Waterways
- Erosion Control

- Solid Waste Consulting
- Demolition Consulting
- Land Development
- Railroad Sidings
- Water Resources

Highways, Bridges, Environmental & Traffic



- Bridge & Structure Design
- Bridge Safety Inspection
- Highway Design
- Traffic Engineering & Design

- Construction Inspection & Management
- Environmental Compliance & Permitting
- Geoscience Support Services (Drilling & Surveying / Mapping)

Aviation



- Design
- Management
- Operations
- Master Planning
- Business Planning
- NEPA / Environmental / Wildlife Hazard Assessment

- Airfield Obstruction Analysis
- Airfield & Landside Design
- Navigational Aid Coordination
- Hangar Building Design
- Construction Management / Inspection

Geosciences



Geotechnical

- Stockpile
- Drilling
- Material Testing

Geospatial

- Survey
- Mapping
- Photogrammetry

This is a very exciting point in history for the WVSD. With your projects, you have the opportunity to set **THE** benchmark for future schools and influence the next generation of student-centered learning environments.

To achieve this goal, you need a team that understands how to create active learning spaces for your students that not only reflects the world they live in today, but prepares them for the world they will inherit tomorrow.

The L.R. Kimball team has been developed to provide the thought leadership and guidance required to take you

from the **NOW** . . . to the **NEW** . . . to the **NEXT** iteration of projects.

COLLECTIVE CREATIVITY

Authentic solutions come from many voices. It starts with the people you invite to the table. WVSD deserves a world class design team with diverse skill sets.

While L.R. Kimball has worked for over 80 school districts in eight states. **Our team’s extensive experience includes completing district-wide, as well as building/site specific facilities assessments and feasibility studies, as well as extensive renovations and additions, and design and construction of new buildings.**

Our team offers:

- An extensive portfolio of public K-12 work including work in West Virginia
- Knowledge of the various individual components of school design – the interlocking pieces that make up a school, their functional adjacencies, inter-relationships and overall organization
- A thorough understanding of current pedagogical thinking, including the means to shape a building to facilitate today’s needs for flexible, diversified and innovative learning
- Experience in both the technical and technological requirements of 21st century schools, including circulation, access and egress within buildings, and in and around campus sites.
- An established, organized and methodical approach to feasibility studies and analyses...

- ...supported by rigorous examination of options and alternatives, including costs (first-cost/long-term cost) and pros/cons assessment, with supporting decision matrices to aid School Boards and Administrators in their own assessment and decision making
- The vision to plan for both present and future needs, both in and out of the classroom.

YOUR ADVOCATE – GOOD STEWARDS

We see this engagement as more than just providing design services. We see this as an opportunity to become your advocate and facilitate the good stewardship of your resources:

- your site to ensure future flexibility
- your financial investment to provide a positive ROI
- your teaching talent to help each student succeed
- your most precious resource - your students

We want to work WITH you, sharing expertise, providing leadership and building consensus to create a learning environment fueled by innovation that reflects the world your students will graduate into.



West Virginia School Building Authority Experience

James R Thompson AIA, our team's educational facility planner, served as project Architect for three **West Virginia School Building Authority Long-range Comprehensive Educational Facilities Plans**, while working for a previous firm:

- Hancock County Schools, New Cumberland, WV
- Hardy County Schools, Moorefield, WV
- Mineral County Schools, Keyser, WV

We reviewed the West Virginia School for the Deaf and Blind 2020-2030 Comprehensive Educational Facilities Plan (CEFP). The CEFP serves as the roadmap to establishing educational goals and objectives that meet the current and future needs your West Virginia students. We are familiar with the West Virginia School Building Authority's Policy & Procedures Handbook – sixth edition and WVBE Policy 6200 - Handbook on Planning School Facilities [Chapter 7 – Students with Exceptionalities Education]. We will work collaboratively with you and SBA administrators to comply with applicable requirements.





L.R. Kimball Client Testimonials

“L.R. Kimball provided architectural and engineering design services for the Facilities Assessment, ESIP Project, and Referendum Projects at Toms River School District in Toms River, NJ. This work encompasses over 2.5 million square feet of educational and educational support space. It has been a pleasure working with L.R. Kimball and we highly recommend them for architectural and engineering design services.”

- James Ricotta, Jr., Assistant Superintendent
Toms River School District

“The Danville Area School District has developed trust and confidence in L. R. Kimball. Working with this team was truly a beneficial partnership. We would highly recommend them to school districts considering a building project or restoration.”

- Cheryl Latorre, Former Superintendent (Retired in 2017),
Danville Area School District

“The proactive planning and communication that L.R. Kimball provided resulted in very few disruptions to the Middle-High School’s arrival -dismissal schedule and extracurricular activities.”

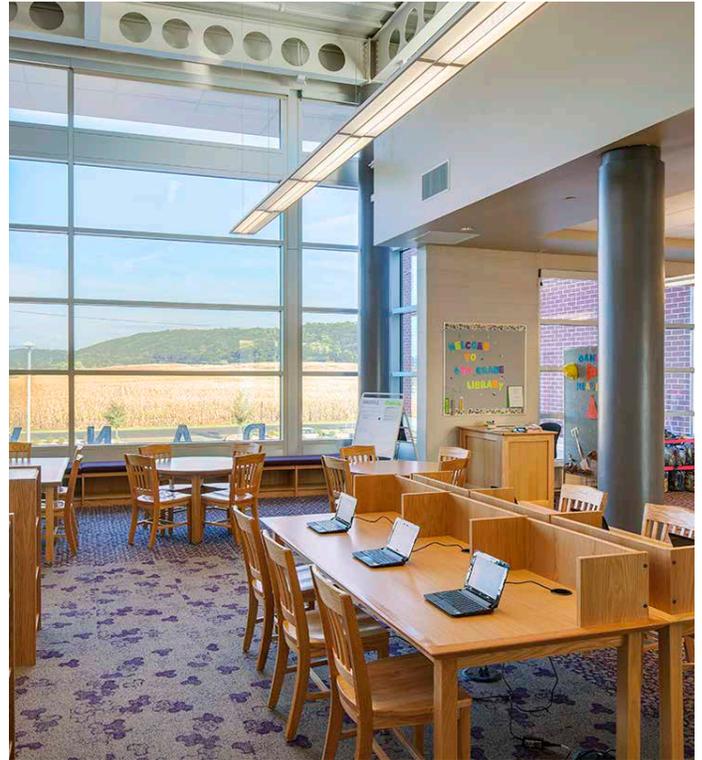
- Philip J. Savini, Jr., Ph.D., Superintendent of Schools
(Retired), Brownsville Area School District

“In closing, it was been a pleasure working with the L.R. Kimball staff. I believe their expertise and excellent service led to a successful partnership and an outstanding facility for our students, faculty, and community.”

- Chris M. DeVivo, Superintendent of Schools
Armstrong School District

“They are a full service firm who can manage all of your construction needs from start to finish.”

- Gerald L. McLaughlin, Acting Superintendent/Business
Manager, Loyalsock Township School District





L.R. Kimball Sustainable Design

“Our customers are tackling some of the world’s greatest challenges: cleaner energy, resilient infrastructure, making the most of natural resources. CDI will be at the forefront, providing innovative and sustainable solutions, exploring all options in pursuit of answers to these challenges.”

Steve Karlovic
President/CEO, CDI Engineering Solutions



The following is a full list of our company's Sustainable Experience:

- **Decarbonization**
 - Carbon footprint assessment and reduction
 - Carbon Capture, Utilization, and Storage (CCUS)
 - Blue Fuels/Low Carbon Fuel Standard (LCFS)
 - Green and Blue ammonia and fertilizer production
- **Renewable Fuels**
 - Bio & renewable diesel
 - Synthetic fuels
 - Ammonia fuel
 - Compressed hydrogen gas
- **Green Electric Power**
 - Photovoltaic generation
 - Wind Generation
- **Energy Efficiency & Conservation**
 - LEED and Sustainable Architecture
 - Plant efficiency & power factor
 - Energy efficient lighting
 - High efficiency Heating/Ventilation/Air Conditioning
 - Geothermal heating/cooling
- **Energy Storage**
 - Compressed air
 - Battery (plant and utility scale)
 - Battery material production
- **Environment**
 - Brownfield site redevelopment
 - Water resources planning and management
 - Water and wastewater treatment
 - Impact studies and risk assessment
 - Clean/low sulfur fuels

Designing Sustainable Buildings: Incorporating Green Building Design, Lighting & HVAC Management & Maintenance

With every project our team designs, we always strive to include sustainable design principles, even if LEED Certification is not the Client’s goal. While LEED Certification may not be the goal, consideration will still be given to LEED strategies, and attention will be given to conforming to appropriate ASHRAE standards. Our team’s full architectural and engineering capabilities allow us to provide in-house integrated systems design, a process mandated by the pursuit of green buildings.

L.R. Kimball strives to include the following sustainable design principles in all of our building projects where possible:

- Use of [daylighting to improve the work environment](#)
- [Energy modeling software](#) - determines energy consumption versus first cost and maintenance costs for potential systems
- Utilize [energy recovery](#) - to minimize the utility usage for building
- Design [high efficient LED lighting fixtures and lighting control systems](#) - use “manual on, automatic off” technology along with timing systems that best control lighting fixtures, limits wasted usage, while maintaining the required security needs
- ASHRAE 90.1 energy code requirements - [HVAC and lighting power efficiencies](#)
- [Design with maintenance in mind](#) – incorporate designs that minimize costly maintenance and maximize life cycles based on cost analysis
- [Utilization of solar energy, wind energy, and geothermal energy where possible](#) – determined by site conditions, building requirements, first cost, etc., and whether these solutions are a benefit.



CDI[®] L.R. Kimball Sustainable Design

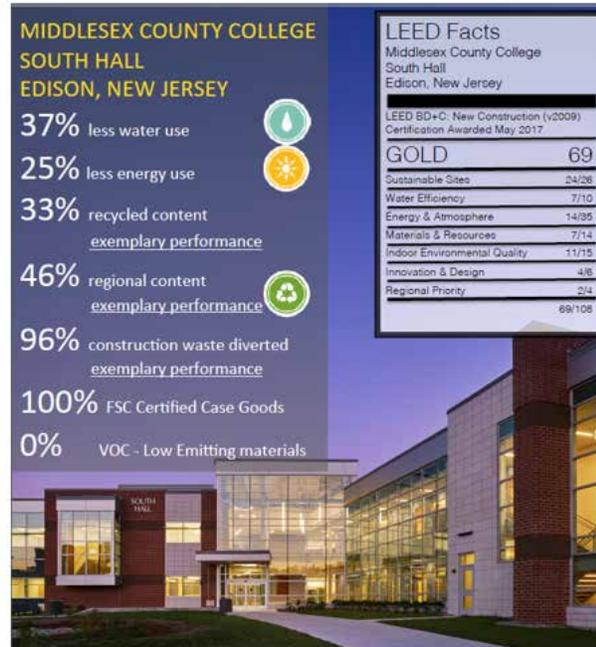
Our team includes LEED Accredited professionals on staff within Architecture and Mechanical, Plumbing, and Civil Engineering disciplines. We've completed over 2 million square feet and over \$325 million in construction value of LEED Certified projects including the following project, completed in 2016:

Middlesex County College, Science Hall Building, Edison, NJ LEED[®] Gold Level certification

“Overall Middlesex County College had a very successful experience working with L.R. Kimball and our students are now benefiting from their work.”

- Donald R. Drost, Jr.,
Executive Director, Facilities Management

The following is an example of a project where our team incorporated sustainable design elements throughout, but the client chose not to pursue LEED Certification:



Sheetz, Inc. New Headquarters & Operations Support Center, Claysburg, PA

- The exterior wall is constructed of metal stud framing over which an exterior insulation system was installed to eliminate thermal bridging.
- The skin of the building consists of fiber cement architectural wall panels, natural stone veneer, and aluminum curtain wall.
- High efficiency condensing boilers rated at 95% efficiency were used, resulting in energy savings and less discharge to the atmosphere.
- High efficiency commercial water heaters are able to sustain 96% thermal efficiency over the lifetime of the equipment.



“This building is phenomenal; we are so happy to add it to what we can now call a campus,” said President and CEO Joe Sheetz at the ribbon-cutting event.

“We wanted a building that was modern and has longevity to it, and we wanted something more collaborative and open. The idea of what a workplace should look like has changed. You need a lot of energy and light. That is what members of today’s workforce want and demand.”

Source: <https://www.cspdailynews.com/company-news/sheetz-opens-new-operations-support-center>



L.R. Kimball

LEED Certified Projects



Southeast Regional Office Building
Pennsylvania Department of
Environmental Protection
Norristown, PA
105,000 SF
LEED® Gold Certified



California Regional Office Building
Pennsylvania Department of
Environmental Protection
California, PA
21,000 SF
LEED® Gold Certified



Cambria Regional Office Building
Pennsylvania Department of
Environmental Protection
Ebensburg, PA
36,000 SF
LEED® Gold Certified



Clearview Elementary School
Hanover Public School District
Hanover, PA
43,450 SF
LEED® V2.0 Gold Certified



Select Medical Health
Education Pavilion
Harrisburg Area Community College
Harrisburg, PA
48,000 SF
LEED® V2.1 Gold



Rec Hall Wrestling and
Student Fitness Center
The Pennsylvania State University
University Park, PA
19,794 SF - Addition
28,587 SF - Renovations
LEED® V2.1 Gold



New South Hall Science Building
Middlesex County College
19,794 SF - Addition
28,587 SF - Renovations
LEED® Gold Certified



Multi-Tenant Office Building
The Greater Johnstown
Technology Park
Johnstown, PA
93,700 SF
LEED® CS 2.0 Silver



Career and Technology Education
Centers of Licking County
Newark, OH
329,144 SF
LEED® V2.1 Silver



Twin Valley Elementary Center
Twin Valley School District
Elverson, PA
71,650 SF
LEED® V2.1 Silver



New Operations Control Center
US Airways, Inc.
Pittsburgh, PA
72,000 SF
LEED® NC 2.2 Certified



Armed Forces Reserve Center &
Field Maintenance Shop,
PA Dept. of General Services
Williamsport, PA
75,000 SF
LEED® NC 2.2 Silver



Medlar Field at Lubrano Park
The Pennsylvania State University
University Park, PA
152,194 SF
LEED® V2.1 Certified



Softball Field
The Pennsylvania State University
University Park, PA
41,000 SF
LEED® Certified



Office & Maintenance Facility
Pennsylvania Department of
Transportation,
Ridgway, PA
19,360 SF
LEED® V2.1 Certified



Chatham County Detention Center
Campus Expansion and
Renovation,
Savannah, GA
260,690 SF (Expansion);
70,700 SF (Renovation) SF
LEED® Certified

* One of the first LEED® Certified Ballparks in the Nation

NV5 - TECHNOLOGY CONSULTANT



sextant [ˈsɛk stənt] noun 1. a navigational instrument used to align known and unknown elements to determine a course for the future

The Sextant Group was formed with a mission to deliver technology and acoustical consulting services, helping clients navigate an ever-changing technology landscape by aligning known and unknown elements.

Acquired in 2019, we are now NV5. We continue our mission as one of the most distinguished independent technology consulting firms in the United States. While our name has changed, our commitment to navigating clients through the known and unknown technology elements has not.

At NV5, we take pride in helping our clients develop and deliver cost-effective, sustainable projects, delivering solutions that improve lives. NV5 provides engineering and consulting services to public and private sectors that help our clients plan, design, build, test, certify, and operate projects that improve the communities where we live and work.

As engineers, consultants, construction/program managers, commissioning authorities, and environmental professionals, we play a significant role in shaping communities through our services.

Having worked extensively as technology consultants in the educational, healthcare, corporate, government, and institutional sectors, we serve our clients as one of the nation's leading engineering firms.

Same People. Same Passion. Same Purpose. New Possibilities.

ENGINEERING & TECHNOLOGY

Acoustics & Vibration Control

Audiovisual

Code Consulting

Commissioning/Retro-Commissioning

Electrical Engineering

Energy & Sustainability

Engineering & Technology Master Planning

Fire Protection/Life Safety

Intelligent Buildings

IT/ICT/Telecommunications

Mechanical Engineering

Owner Representation

Plumbing Engineering

Program Management

Security & Surveillance

Site/Civil Engineering

Strategic Technology Planning

Structural Engineering

Theatre & Studio Lighting

ENR
Engineering News-Record
#27
Top 500
Design Firms
2020

TOP RANKED
#1
2020 **HOT FIRM**
ZWEIG GROUP

#60
Top 150
Global Firms List
2020
ENR
Engineering News-Record

2020 CSE
Cx Giants **#10** Top 25

FORTUNE
#83 100 Fastest Growing
Companies 2020

MEP
GIANTS
2020
Top 100
#19

BD+C
#6 Top 40 Engineering
Architecture Firms 2020

100 LOCATIONS
WORLDWIDE
3,300 EMPLOYEES
1,500 TECHNICALLY
LICENSED



SKELLY AND LOY
A Terracon COMPANY

ENVIRONMENTAL CONSULTANT

Founded in 1969, Skelly and Loy, Inc. has built a reputation for excellence delivering professional services including environmental, civil, and mining engineering; National Environmental Policy Act (NEPA) compliance; natural resource management; wastewater permitting; noise and air quality investigations; hazardous waste management investigations and remedial design; industrial hygiene studies; archaeology and cultural resources; Geographic Information Systems (GIS); and water, wastewater, and remediation treatment systems.

Headquartered in Harrisburg, Pennsylvania, Skelly and Loy is an environmental consulting and engineering services company with more than 50 years serving public- and private-sector clients in the Mid-Atlantic region. Skelly and Loy recently joined the national consulting firm Terracon Consultants, Inc. Skelly and Loy's offices in Harrisburg, Pittsburgh, and State College, Pennsylvania; and Baltimore-Metro, Maryland; will join Terracon's existing offices in the Philadelphia and Washington, D.C., metro areas to serve clients throughout the region. Terracon has more than 150 offices across the U.S. providing environmental, geotechnical engineering, materials testing, and building enclosure services.

For the seventh consecutive year, Terracon was named #1 in Asbestos and Lead Abatement Design in Engineering News Record's (ENR's) 2019 annual listings of The Top 500 Design Firms and Sourcebook rankings. Most recently, Terracon was named #22 Top Design Firms and #10 Pure Designers in ENR's 2020 annual listings of The Top 500 Design Firms and Sourcebook rankings.



Trophy Point is a certified Service-Disabled, Veteran-Owned Small Business (SDVOSB) that provides Construction Cost Estimating, Construction Management Support, Owner’s Representative Services and Construction Consulting services. Within each of these areas, Trophy Point provides ancillary services, such as those shown below. The most common services offered by Trophy Point are cost estimating, scheduling, integrated design and constructability review services, staff augmentation, and owner’s representation. Trophy Point’s services enable the company to provide full pre-construction controls.

For decades, Trophy Point has provided Construction Cost Estimating services, where required, in the Pre-Construction, Construction, and Post-Construction phases of a project. In 2018, Trophy Point merged with Baer & Associates, a nationally-recognized cost consulting firm known for its estimating accuracy and thoroughness. The combination of Trophy Point’s mission first approach with Baer & Associates’ experienced staff and history enabled the new organization to integrate the best practices of both teams in a manner that resulted in tremendous synergistic benefits to the industry.

The Trophy Point team strives to assist their clients in understanding construction costs during the concept phase of a project and provides them with detailed and accurate estimates as a project design matures. Since 1976, the Trophy Point team has developed an ability to provide accurate estimates prior to the execution of formal design efforts in an unrivaled manner that enables clients to align their scope with their budgets quickly and effectively.

The Trophy Point team is capable of supporting their clients as a project transitions into Construction in several different capacities, such as Change Order Management / Review, Pay App Reviews and Construction Consulting. Trophy Point’s understanding of the variables that impact costs and their associated magnitude on a project is unrivaled and serves as the bedrock upon which their team differentiates itself from other cost consultants.

Trophy Point also provides unparalleled Owner’s Representative, Construction Management Support, and Construction Consulting services. Their understanding of how a project’s costs are derived has enabled them to expand their professional services into many areas, such as Scheduling, Construction Administration, Staff Augmentation, Integrated Design and Constructability Reviews, and general Owner’s Representation. Their team provides a “one-stop shop” for professional services required during all phases of a project. Trophy Point is flexible and able to accommodate the needs of their clients by providing any of these services in an independent capacity as well.

Trophy Point’s team consists of construction industry professionals with diverse and complementary backgrounds, educations, training and collective experiences that benefit their clients and any project team they are a part of.

The Trophy Point team consists of professionals who work out of offices in Buffalo, NY, Pittsburgh, PA, and New York, NY. Based on the nature of Trophy Point’s work, members of their team are continuously co-located with clients in the field as well.



Blasdell, NY | Pittsburgh, PA | New York, NY | 716-823-0006 | www.trophypoint.com



PROJECT NAME	COMPONENT								
	Educational Facility	Plans / Studies / Assessments	Renovations	New Constr.	WV Exper.	Flexible Spaces	Housing	Design for Disabled: Blind, Deaf, other special needs, ADA Compliance	Team Members involved
Western PA School for Blind Children - Master Services Agreement - Various Projects, Pittsburgh, PA	X	X	X			X		X	J Thompson prior to LRK
DePaul School for Hearing & Speech, Study and Interior Renovations, Pittsburgh, PA	X	X	X			X		X	J Thompson prior to LRK
Linsly School, Yost Hall and Stifel Field House Additions and Renovations	X		X	X	X	X		X	J Thompson prior to LRK
Boone County Schools, Renovations/New Construction of 22 Buildings, WV	X		X	X	X	X			L.R. Kimball
Yeager Airport, Various Improvements over 20+ Years, Charleston, WV		X	X	X	X				L.R. Kimball
Marshall University, Master Plan for Housing and a New Flight School	X	X		X	X	X	X	X	L.R. Kimball
Blairsville Saltsburg SD, District-Wide Study, Saltsburg Middle/High School Renovations, Saltsburg Elem. Addition	X	X	X	X		X		X	L.R. Kimball
Toms River Regional Schools, Assessment, Renovations & Upgrades to 26 Schools, NJ	X	X	X	X		X		X	L.R. Kimball
Danville Area SD, District Study, Maintenance /Repair Projects, New Primary School, Middle School Flood Restoration & Repair, Danville, PA	X	X	X	X		X		X	L.R. Kimball
Portage Area SD, District Study, Additions / Alterations, Portage, PA	X	X	X	X		X		X	L.R. Kimball
Central Cambria High School, Various Projects across the District, PA	X	X	X	X		X		X	L.R. Kimball
PSU Locker Room Study and Renovation, State College, PA	X	X	X					X	L.R. Kimball
Mt. Aloysius College, Misciagna & McAuley Residence Halls, Cresson, PA	X			X		X	X	X	L.R. Kimball
State College Area School District, Various Projects including High School Renovation/Addition Design Services, State College, PA	X	X	X	X		X		X	L.R. Kimball
Plum Borough SD, Three New Schools, PA	X	X		X		X		X	L.R. Kimball
Bethel Park SD, District-Wide Assessment, Master Plan, Stadium Upgrades, Roof Replacements and other Capital Improvement Projects, PA	X	X	X	X		X		X	L.R. Kimball
Richland SD, 12 projects: Studies, Renovations, Athletic Fields, New HS, PA	X	X	X	X		X		X	L.R. Kimball
Altoona Area SD, New Jr. HS and 56 Additional Projects as Architect of Record over approximately 19 years, Altoona, PA	X	X	X	X		X		X	L.R. Kimball

The following pages demonstrate some of the above mentioned projects in greater detail.

WESTERN PENNSYLVANIA SCHOOL FOR BLIND CHILDREN MARY SCHENLEY BUILDING PHASED RENOVATIONS UNDER A MASTER SERVICES AGREEMENT, PITTSBURGH, PA

Project Challenges:

WPSBC requires that all construction occur within narrow windows of time during the summer months when children do not occupy the building. The historic (c. 1887) Mary Schenley Building lies within an historic district in Pittsburgh that requires special approvals for projects like our window replacement project.

Design Features

We designed HVAC and electrical system replacements, window replacement, fully-accessible toilet and shower room replacements, and corridor finish upgrades. Our team conducted the construction in six separate phases to minimize the impact on the children.

This project was completed by James R Thompson AIA prior to joining L.R. Kimball. At the time of the project, James was a Partner-in-charge of Hayes Large Architects, which is no longer in business.

Reference

Dennis Kwiatkowski, Director of Facilities
Phone: 412.621.0100



Photo Credit: WPSBC Website



Photo Credit: Courtesy of Hayes Large

DEPAUL SCHOOL FOR HEARING AND SPEECH

INTERIOR LIBRARY AND CLASSROOM RENOVATIONS, PITTSBURGH, PA

Founded in 1908 by a partnership of the Seton Hill Sisters of Charity and Pittsburgh Catholic Diocese, the DePaul School for Hearing and Speech has provided quality Listening and Spoken Language (LSL) education for over 100 years. Although educational technology changed, DePaul's commitment to mainstreaming profoundly deaf students remained the same. Over the past 30 years, DePaul's funding sources have shifted from the Pennsylvania Department of Education for school-age children, to private grant funding and clinical insurance providers.

Project Challenges: Through advancements in otoacoustic emission testing, DePaul's pre-school age enrollment has grown. Students mainstream back to their home school districts at younger ages than ever. As a result, fewer students reach secondary grade levels, and an increasing percentage of students exhibit multiple handicaps. Each demographic shift has altered the need for age-appropriate pupil supports. Interior spaces have changed to suit student needs.

Advancements in cochlear implant technology (e.g. bilateral implants), has increased the need for acoustically-isolated testing space for periodic implant calibration). DePaul maintains an on-going clinical support services, like needed adjustments to cochlear implants.

The current pandemic has increased the reliance on educational technology, customized to individual student needs for safe isolation of students and faculty. Educational technology and testing facilities have changed to suit student needs.

Design Solutions: While serving as Chair of the DePaul Board of Trustees, James R. Thompson AIA, oversaw the planning process for the adaptive use of a vacant secondary school as the consolidated facility for the DePaul School for Hearing and Speech, in 2002. Subsequent to his departure from the DePaul Board of Trustees, Mr. Thompson served as the Architect for two interior renovation projects at DePaul, needed to accommodate changing educational program needs.

This project was completed by James R Thompson AIA prior to joining L.R. Kimball. At the time of the project, James was a Partner-in-charge of Hayes Large Architects, which is no longer in business.

KEY FEATURES

- Relocation planning for pre-school, elementary, and secondary education services for profoundly deaf students
- Pupil support for students with multiple handicaps
- Adaptive use of an existing secondary facility for elementary students

PROJECT COMPLETION 2010

TOTAL SQUARE FOOTAGE

- N/A - MISC. SF Renovations

REFERENCE

Ruth G. Auld EdD, Executive Director
DePaul School for Hearing and Speech
6202 Alder St, Pittsburgh PA 15206.4389
Phone: 412.924.1012; Email: RA@Depaulhearingandspeech.org



LINSLY SCHOOL

YOST STUDENT RESIDENCE HALL AND STIFEL FIELD HOUSE ADDITIONS & RENOVATIONS, WHEELING, WV

Project Challenges: Linsly is the oldest preparatory school (founded 1814) west of the Alleghenies. In 1988, Linsly completed the transition from a military institute for young men to a coeducational private school. Linsly needed facility modifications for young women to live, learn, and play. Linsly needed a new residence hall, restrooms and locker rooms for women, and athletic/recreation facilities for women's athletic teams.

Design solutions: James R. Thompson AIA served as project Architect, preparing Linsly's design documents for a prior design firm. The scope of design and construction affected buildings throughout Linsly's Wheeling WV campus. The two largest among these projects were the Yost Hall (a new student residence hall) and Stifel Field House additions and renovations.

Yost Hall houses 30 Linsly coeds in double-occupancy bedrooms in a single-story design. The project includes a large faculty apartment suitable for a family and a smaller apartment suitable for a single faculty member. We designed the common lounge area between the house parent apartment and coed bedrooms in the style of a family residence greatroom; the focal point of student activities during waking hours. The ground floor includes a lounge space, which serves as a student activity center for boarding students campus-wide, especially on weekends.

For the Stifel Field House addition, we combined the economy of a pre-engineered steel building, with the durability and aesthetic appeal of insulated, pre-cast concrete panels. The large volume, column-free space houses three basketball/volleyball courts, two tennis courts, and four-lane indoor synthetic track. We optimized spatial flexibility using athletic divider curtains and mobile gym bleachers. Linsly uses Stifel Field House as a competition gym, practice facility, weight training center, and for student activities, like holiday festivals and graduation.

This project was completed by James R. Thompson AIA prior to joining L.R. Kimball. At the time of the project, James was a Project Architect of Akers Erwin Gasparella Architects, which is no longer in business.

KEY FEATURES

- New student residence hall
- Integral faculty house-parent apartments
- Highly flexible and adaptable field house addition

PROJECT COMPLETION 1991

TOTAL SQUARE FOOTAGE

- Yost Residence Hall 8,600 SF (New construction)
- Stifel Fieldhouse additions and renovations 4,000 SF (Renovations) 7,500 SF (Additions)

REFERENCE

Reno Diorio
Headmaster (retired) and Director of Leadership Gifts
Linsly School
60 Knox Lane, Wheeling WV 26003
304.233.3260 x.221
rdiorio@linsly.org

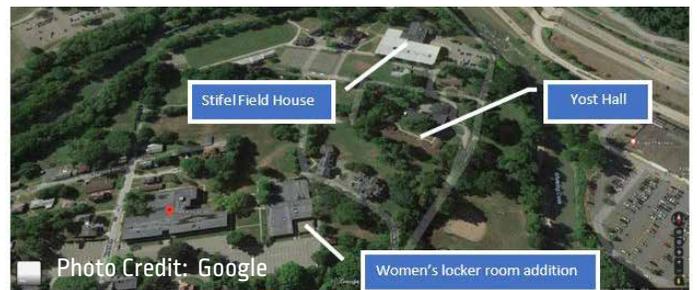


Photo Credit: Linsly Website - Residence Life



Photo Credit: Linsly website - Campus Tour



Photo Credit: Linsly Website - Campus Tour

TOMS RIVER REGIONAL SCHOOLS

FACILITIES CONDITIONS ASSESSMENT & IMPROVEMENTS TO 25+ FACILITIES, TOMS RIVER, NJ

L.R. Kimball, together with Maser Consulting P.A., is providing architectural and site/civil, structural, mechanical, electrical, plumbing, and fire protection engineering services to Toms River Regional Schools. Over 25 facilities (2.6 Million square feet of space) including support buildings and District fields are included in this project.

District-Wide Facilities Conditions Assessment scope of services included:

- Reviewed available existing drawings of the District's facilities and office locations as identified by the District and visits to those buildings to observe the overall existing conditions.
- Reviewed the desired functional improvements for the science classrooms and made suggestions for reconfigurations which meet the latest teaching requirements.
- Provided an assessment of the physical condition of each building's major architectural and structural components, the projected useful life of those components, and an overall building accessibility review for each building. The study also determined the order of magnitude costs (based on costs per square foot) to make upgrades and improvements as required.
- Reviewed air conditioning in areas which have heat and ventilation only.
- Provided an assessment of the physical condition of each building's mechanical, electrical, plumbing, and fire protection systems and the projected useful life of these components and determined the order of magnitude costs (based on costs per square foot) to make upgrades and improvements as required.
- Reviewed kitchen equipment as identified by the District.
- Reviewed theatrical lighting systems as identified by the District.
- Reviewed the District's existing security, card access, and video surveillance systems. Based on requirements set forth by the District, as well as state mandates such as Alyssa's Law, made recommendations to upgrade each building's security systems.



KEY FEATURES

- 25+ Facility Conditions Assessment & Various Improvements/Renovations
- Flexible Spaces for multi-purpose uses
- Design adhered to ADA Compliance throughout
- Energy Savings Improvements

PROJECT COMPLETION

- November, 2016 (Study)
- Est. March, 2021 (Renovations/Improvements/Additions)

PROJECT EST. CONSTRUCTION

- Approximately \$142 Million (all priorities)
- Energy Savings Improvement Projects: \$14 million

SQUARE FEET

- Over 2.6 million SF

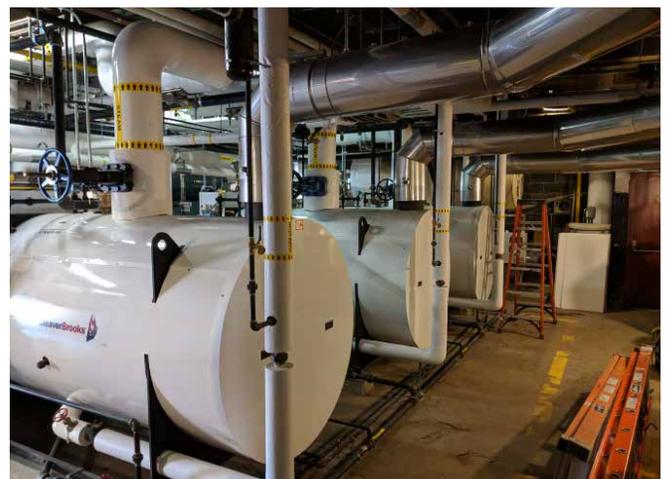
REFERENCE

Mark B. Wagner, Facilities Director
Toms River Regional Schools
123 Walnut Street, Toms River, NJ, 08753
Phone: 732-244-1181
mbwagner@trschoools.com

FACILITIES CONDITIONS ASSESSMENT & IMPROVEMENTS TO 25+ FACILITIES (CONTINUED)

Design Services for Implementation Projects:

- New secure vestibules were provided in each building to allow the District to control the entrance of visitors coming and going to each building. The secure vestibules allow the District to control who enters the vestibule from the outside via a combination of cameras, door controls, sight windows, and two-way communications. Visitors are vetted prior to entrance into the space. If deemed to be a hazard, the District can either refuse access or hold the visitor within the vestibule. Each vestibule is constructed to be bullet resistant with the use of bullet resistant metals, concrete, and bullet resistant glass.
- Each high school and middle school received completely renovated science labs to meet the requirements set forth by the District as well as local and state codes.
- The buildings received renovations to their existing toilet rooms to provide handicapped access as required by code.
- One high school received renovations to its existing kitchen to allow better use so that it can be used to prepare meals for the other buildings within the District.
- Each building received new terminal HVAC equipment to provide either hydronic or electric heat, new air conditioning systems throughout all spaces of the buildings (chilled water, or electric DX), the extension of the DDC control system that was started through the ESP project. Schools received new Rooftop units, new heat pumps, unit ventilators, and/or new fan coil units and variable volume boxes, based on the existing conditions and the available space allotted within the buildings.
- One high school received a new chiller to replace an existing unit that was no longer functional. As part of the upgrade, new controls were provided to the second existing chiller so that both utilize the most up-to-date and efficient controls.
- Each building received new electrical connections to new HVAC equipment. As part of this, new electrical services were provided and expanded to provide capacity for the additional air conditioning loads.
- Existing electrical panels were either replaced or retrofitted so that the electrical distribution system was brought up to current codes and to ensure proper safe operation.
- One high school received complete new theatrical lighting and sound systems. The existing auditorium received new efficient LED theatrical and house lighting. A new DMX dimming system was provided to give the District an expandable, state of the art dimming and control system. A complete new sound system was also provided to allow the District to perform plays and concerts, as well as meetings and other events.
- Electrical designs were completed to renovate the existing science labs for the high schools and middle schools. The designs were provided to match the requirements set by the district as well as meet all local and state codes.
- One high school received new emergency generators to provide emergency power to support building functions during an emergency event. The emergency power system was designed to meet the requirements set forth by the state to allow the District to use the building as an emergency shelter for the public.
- A District-wide video surveillance system was designed so that the entire district was controlled and could be viewed from any permitted individual. The system used new interior and exterior cameras, new recording systems, and new viewing stations. New card access systems were installed in each building to allow access as per the Districts requirements.
- New visitor access (RAPTOR) systems were designed to help the District vet incoming visitors to the buildings. Within seconds the District can ascertain if a visitor is a Megan's Law offender or is not permitted to pick up or visit a student due to custody issues.
- New water heaters were designed to provide efficient sources of hot water throughout different areas of the buildings. Existing water fountains were replaced with new hydration stations that provide cold, filtered water to the building's population to ensure that any lead or other contaminants are removed from the water.
- Plumbing designs were completed to renovate the existing science labs for the high schools and middle schools. The designs were completed to match the requirements set by the District as well as to meet all local and state codes



FACILITIES CONDITIONS ASSESSMENT & IMPROVEMENTS TO 25+ FACILITIES (CONTINUED)



Energy Savings Improvement Projects:

Our team provided mechanical, electrical, plumbing/fire protection design services for a self-funded Energy Savings Improvement Program (ESIP) Implementation by Toms River Regional School District. Work included:

- A retrofit LED lighting system was designed and new lighting controls where existing lighting was usable. New LED replacement lighting was designed where required to meet the requirements of the ESP and local and state codes.
- A new DDC HVAC control system was designed to allow the District to view the status of the HVAC systems within the District and make changes to the system controls as needed.
- Retro-commissioning of existing mechanical systems was completed to evaluate and provide repairs required to maintain existing HVAC systems not being replaced.
- 4 boiler replacements and 3 chiller replacements at selected schools.

BLAIRSVILLE-SALTSBURG SCHOOL DISTRICT

DISTRICT-WIDE STUDY; SALTSBURG MIDDLE-HIGH SCHOOL RENOVATIONS; SALTSBURG ELEMENTARY SCHOOL ADDITION, PA

L.R. Kimball provided architectural and engineering services for the design of a new elementary school addition to the existing Saltsburg Middle-High School, creating a K-12 campus in Saltsburg. The new structure is approximately 62,000 SF and consolidates the District's operations in Saltsburg to one location.

The existing 89,000 SF Middle-High School facility was also renovated as part of this \$15.4 million project. The Middle-High School renovation provided an opportunity to plan the interior in order to bring Grade 6 into the middle school from the elementary school, offering a true Grades 6-8 middle school model. In turn, this reduced the overall size of the new elementary school addition and lowered construction costs. The Middle-High School alterations provide new and improved special areas: chemistry lab, biology lab, physics lab, family and consumer science lab, technology education lab, CADD lab, computer lab, secure entrance and administration offices, nurse's suite, guidance and special education spaces, cafeteria, fitness room, and locker rooms.

The new Saltsburg Elementary School has a new multipurpose room featuring a full-size court for basketball, volleyball, and physical education classes. The space can also be used as a cafeteria separate from the Middle-High School cafeteria. The school has a new state-of-the-art kitchen that is shared with the Middle-High School. The elementary library is centrally located and is a focal point in the design of the school. Kindergarten classrooms, regular classrooms, music, and special education spaces have all been designed with input from the faculty and administration to help improve education.

The project design also solved tight site constraints for access, parking, play fields, and separate bus and car traffic.

KEY FEATURES

- Renovation/Expansion to consolidate the District into one location
- Special education
- Flexible Spaces for multi-purpose uses
- Design adhered to ADA Compliance throughout

PROJECT COMPLETION 2011

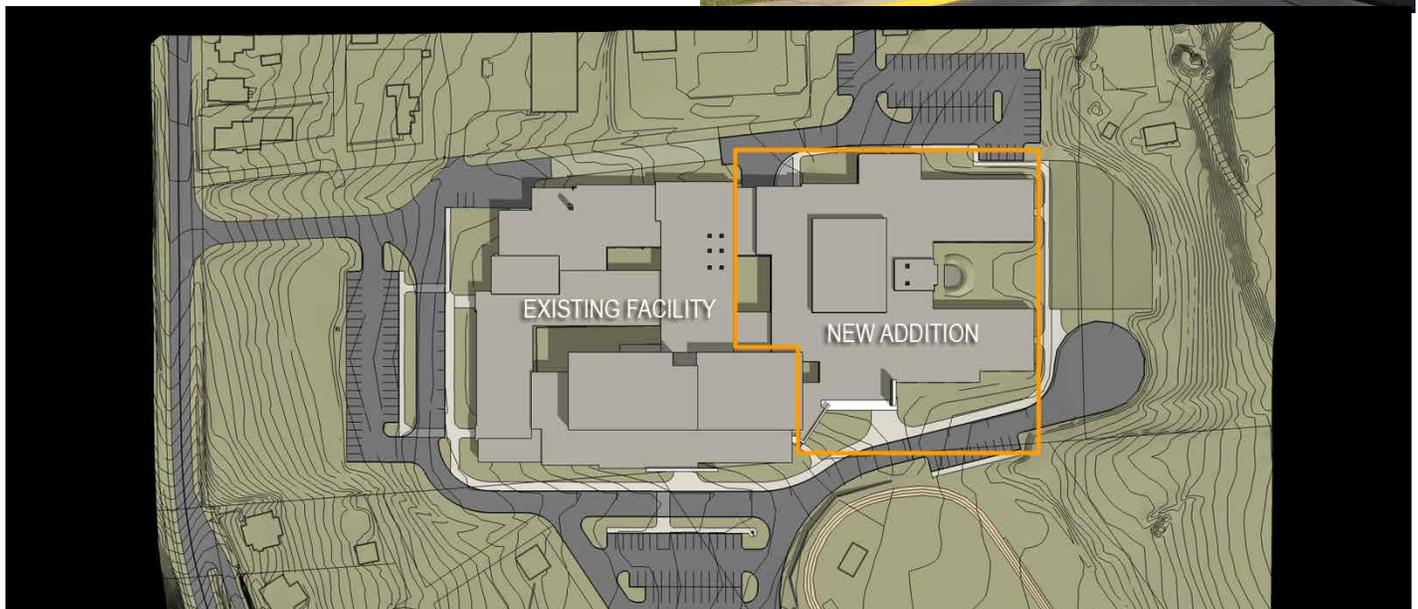
PROJECT COST \$15,393,848

TOTAL SQUARE FOOTAGE

- 62,000 SF New Construction
- 89,000 SF Renovations

REFERENCE

Beverly Caranese, Board Member/ Previous Board President



ARCHDIOCESE OF PHILADELPHIA

NEW POPE JOHN PAUL II HIGH SCHOOL

PHILADELPHIA, PA

The Archdiocese of Philadelphia, the third largest K-12 provider in Pennsylvania, engaged L.R. Kimball to design two new high schools. Due to budgetary constraints, only one, Pope John Paul II High School, was taken to fruition.

The new Pope John Paul II High School was constructed on 93 acres and consolidated two existing, antiquated, regional high schools. Using a two-phased design approach, the building was designed with an ultimate capacity of 1,600 students. The initial phase, 209,000 SF in size, included all core facilities, specialty spaces, and a host of athletic fields and tennis courts and serves 1,200 students. The second phase, consisting of a 27,500 SF addition, planned for classroom space for an additional 400 students. The architectural massing for this two-story school was tucked into the rolling landscape, reacting to the sun's motion, prevailing winds, and natural vistas.

Project Challenges

This project involved many challenges including the adaptation to rolling terrain, wetlands and other environmental impact issues, traffic and highway interface challenges, and the integration of the educational programs of existing schools into this new fast-tracked building configuration.

Fast Tracked Design & Methodology

The L.R. Kimball team began the process of thoroughly, programming and designing the High School with the Secretary for Catholic Education and his Building Committee. This 25-person Committee, populated by professionals and lay leaders, was divided into three subcommittees, each with a specific responsibility: Programming, Design, and Construction. Working daily with these smaller, more focused groups enabled our team to reach consensus and milestones at a more rapid pace. With the addition of an Owner's Representative and a Construction Manager early in the process, L.R. Kimball was able to approach the project using a fast-track methodology, saving both months in the overall schedule and real dollars for the Archdiocese.

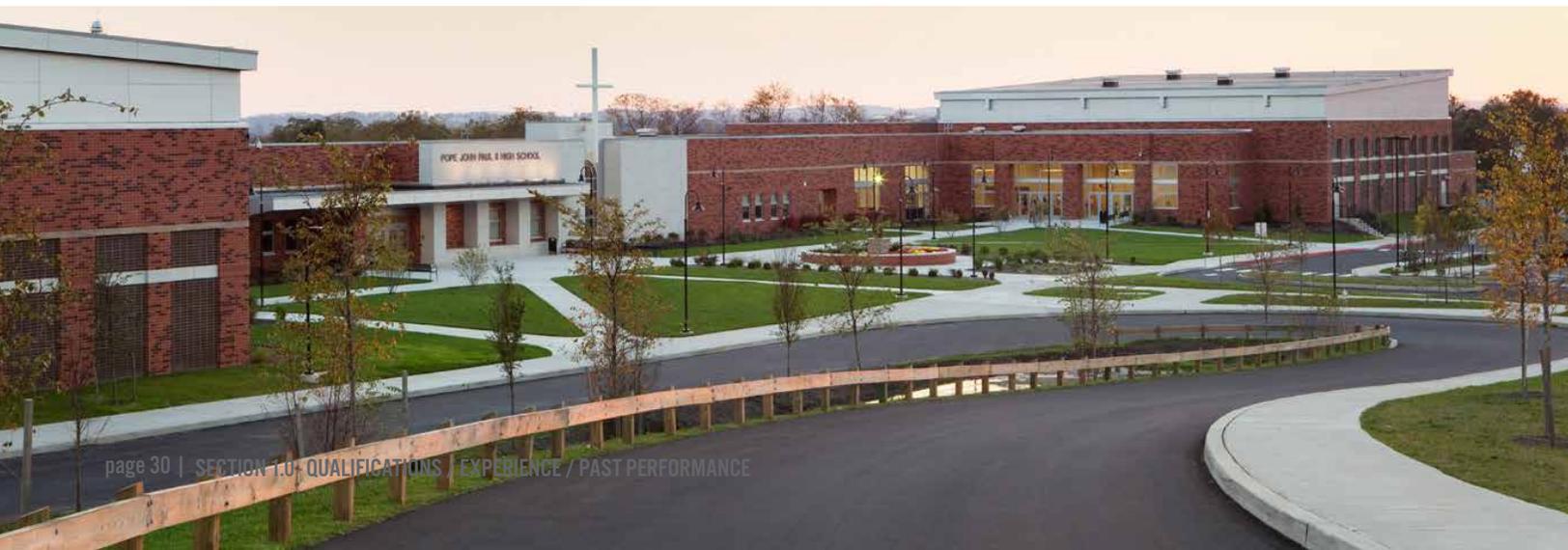
KEY FEATURES

- Two-story, 236,500 SF High School designed in two phases to accommodate a total capacity of 1,600 students
- Design consolidated two existing regional high schools
- Fast-tracked design translated to both schedule and cost savings
- Thorough planning & programming to overcome challenges
- Student centered design: open, collaborative spaces, state-of-the-art technology, fitness center, food court, TV Broadcast room
- Community Areas: gymnasium, athletic fields and tennis courts
- Flexible Spaces for multi-purpose uses
- Design adhered to ADA Compliance throughout

PROJECT COMPLETION 2010

PROJECT COST \$49,717,793

TOTAL SQUARE FOOTAGE 236,500 SF





CENTRAL CAMBRIA SCHOOL DISTRICT

MIDDLE SCHOOL ADDITION AND ALTERATIONS TO THE EXISTING HIGH SCHOOL, EBENSBURG, PA

L.R. Kimball provided architectural and engineering services for a 35,000 square foot building addition to the existing Central Cambria High School. The building addition, along with alterations to spaces within the existing high school that were under-utilized, accommodate middle school students in Grades 6-8. Improvements to the site to accommodate the building addition and other site requirements were also planned as part of the project. The middle school building addition is located directly adjacent to a recently completed competition gym that was constructed in 2003 in anticipation of this middle school addition project.

L.R. Kimball also provided complete architectural and engineering services to the Central Cambria School District for additions and renovations to the Central Cambria High School which were completed in 2003. The project involved upgrades and renovations to the existing facility including the swimming pool, laboratories, and total systems finishes and the addition of a full-size gymnasium, an auxiliary gymnasium, and lockers.

L.R. Kimball was the original architect for the existing Central Cambria High School, which was completed in 1972. L.R. Kimball continued to serve as architect of record for the Central Cambria School District for over 40 years. Select additional projects for Central Cambria School District have included:

- Athletic Fields Master Plan
- Alumni Stadium Renovations/Additions
- Cambria Elementary School Renovations/Addition
- Jackson Elementary Boiler Replacement and Multi-Purpose Room Addition
- Gym Floor Replacement

KEY FEATURES

- Consolidation of Middle School & High School in one building
- Site improvements
- Renovations to the existing High School
- 40 years working for this District
- Flexible Spaces for multi-purpose uses
- Design adhered to ADA Compliance throughout

PROJECT COMPLETION 2011

PROJECT COST \$6.9 Million

TOTAL SQUARE FOOTAGE

- 35,000 SF Addition
- 11,000 SF Renovations

REFERENCE

Joseph Strittmatter, Middle School Principal
814.472.8870



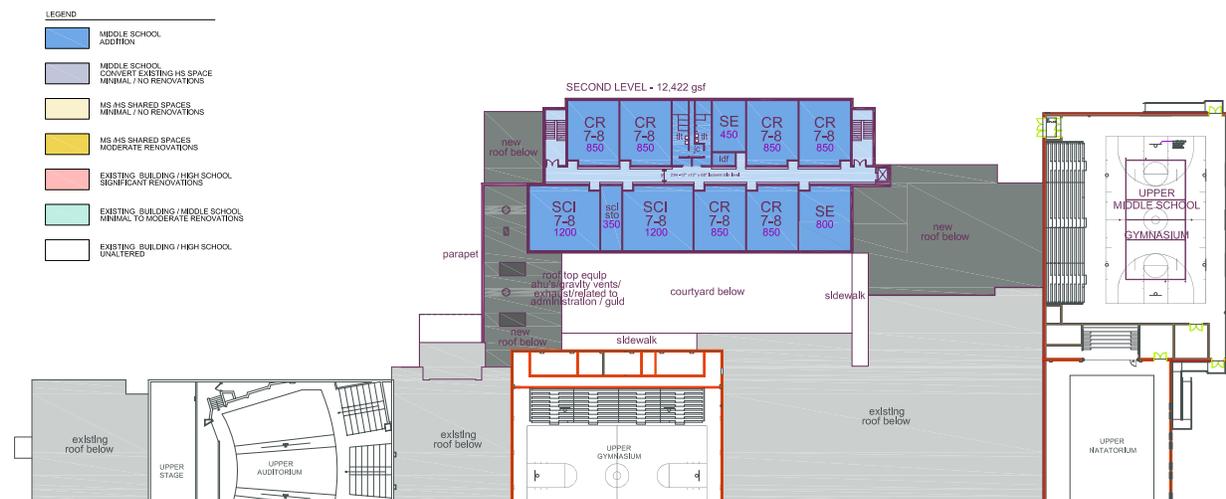


Central Cambria School District
Middle School Addition to High School
Schematic Design

First Floor



April 22, 2009



Central Cambria School District
Middle School Addition to High School
Schematic Design

Second Floor



April 22, 2009

MOUNT ALOYSIUS COLLEGE

MISCIAGNA RESIDENCE HALL, CRESSON, PA

Misciagna Residence Hall is made up of 25 four-person suites which include two bedrooms, a bathroom with shower and two lavatories, and a living room with a small kitchenette. There is also a study lounge, Resident Life office, and a Resident Director's apartment on the first floor and a laundry room and trash room on each floor.

The three-story brick veneer building is designed to reflect the traditional feeling of the buildings on campus. An intercommunicating stair near the center of the building is expressed on the outside as a tower. Large windows provide daylight into the suites.

The building complies with ADA and Fair Housing Act requirements.

This was a design-build project with Leonard S. Fiore, Inc. as the construction contractor.

PROJECT COMPLETION 2005

PROJECT COST \$4.5 Million

TOTAL SQUARE FOOTAGE 35,350 SF

KEY FEATURES

- Residential educational facility
- Design/Build
- ADA & Fair Housing Act Compliance
- Abundance of daylight

REFERENCE

Shelley Campbell, Director of Administrative Support
Mount Aloysius College
7373 Admiral Peary Hwy, Cresson, PA 16630
814.886.6335; scampbell@mtaloy.edu





MOUNT ALOYSIUS COLLEGE MCAULEY RESIDENCE HALL, CRESSON, PA

L.R. Kimball provided architectural/engineering services to Mount Aloysius College for the design of a new 100-bed dormitory. Typical room configuration includes two double bedrooms sharing a bathroom. Three rooms are designated for Resident Assistant rooms and one room for a Resident Director apartment. Additional study space and a separate television lounge are provided on each floor for residents. A large multi-purpose room with an adjacent kitchen is located on the first floor and can be accessed from a separate entrance for campus functions.

The building complies with ADA and Fair Housing Act requirements.

PROJECT COMPLETION 2009

PROJECT COST \$5.6 Million

TOTAL SQUARE FOOTAGE 38,534 SF

KEY FEATURES

- Residential educational facility
- Design/Build
- ADA & Fair Housing Act Compliance
- Abundance of daylight

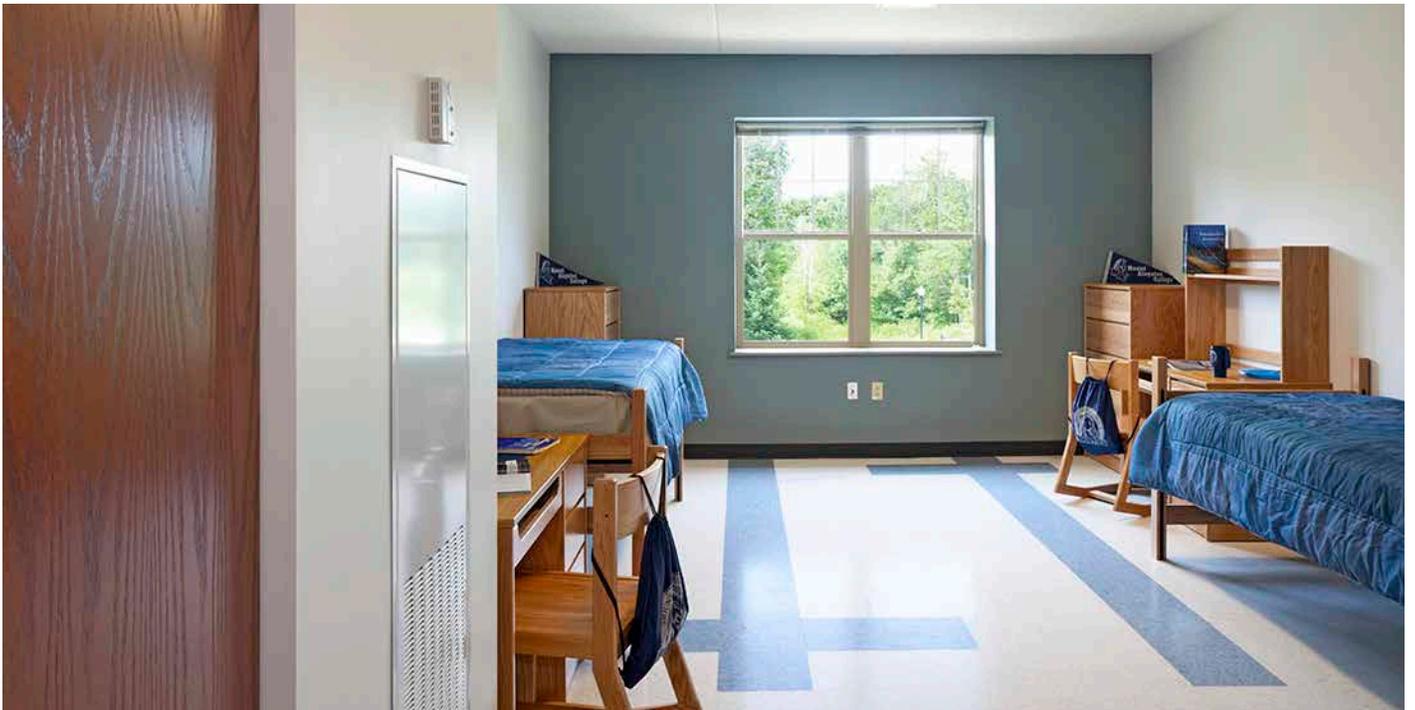
REFERENCE

Shelley Campbell, Director of Administrative Support
Mount Aloysius College

7373 Admiral Peary Hwy, Cresson, PA 16630

814.886.6335; scampbell@mtaloy.edu





DANVILLE AREA SCHOOL DISTRICT NEW PRIMARY SCHOOL, DANVILLE, PA

After completing a District-Wide Facilities Study, along with updates to that study and small maintenance/repair-type projects, L.R. Kimball was hired to provide architectural and engineering services for a new elementary school that is used to house the elementary population of three small, aging elementary schools.

The facility is located on District-owned land adjacent to the existing Danville Area High School. The school is designed to accommodate 650 students in Grades PK-2. Site-related improvements to accommodate parking, roadways, and hard and soft play areas along with a new competition softball and baseball field for high school use were also included as part of the project.

KEY FEATURES

- District-wide study
- New School for 650 students Grades PK-2
- Athletic and recreation areas included

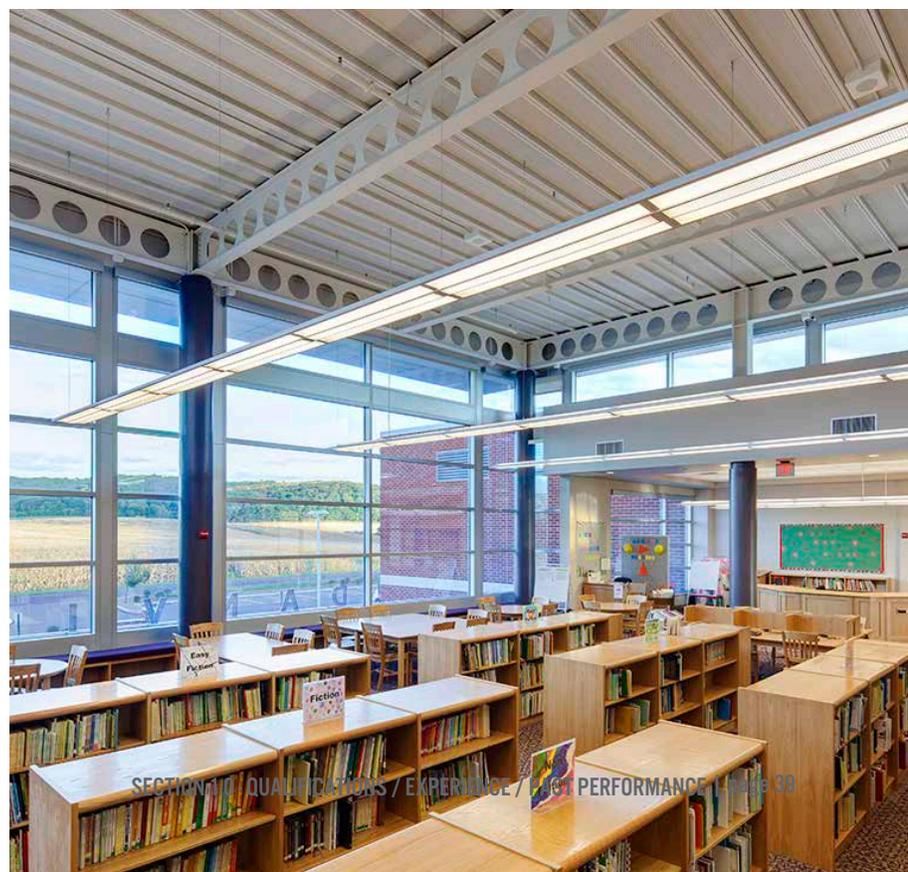
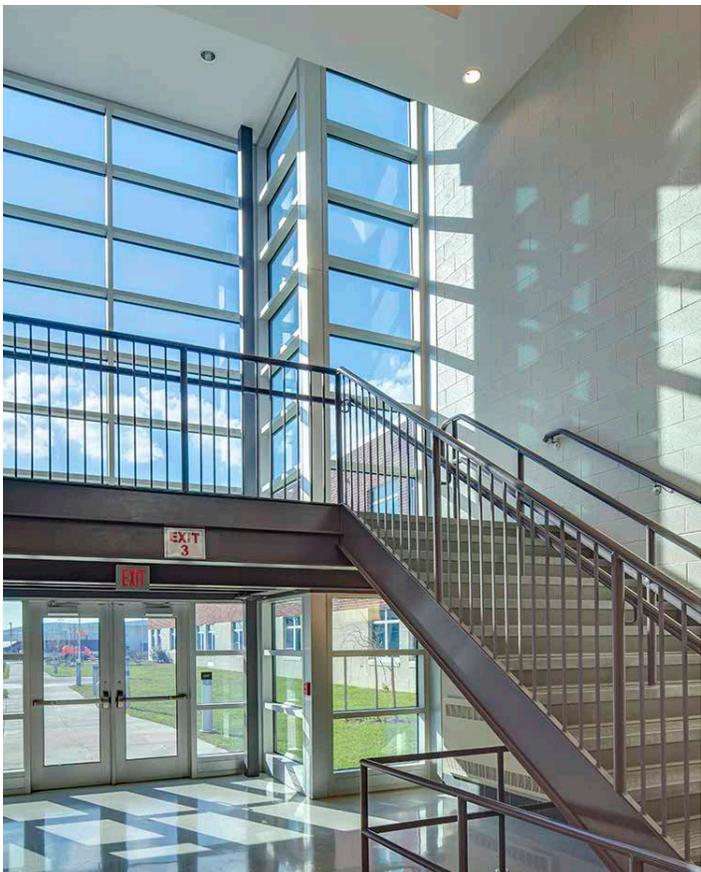
PROJECT COMPLETION 2011

PROJECT COST \$17.6 million

TOTAL SQUARE FOOTAGE 110,000 SF

REFERENCE Cheryl Latorre, Retired Superintendent





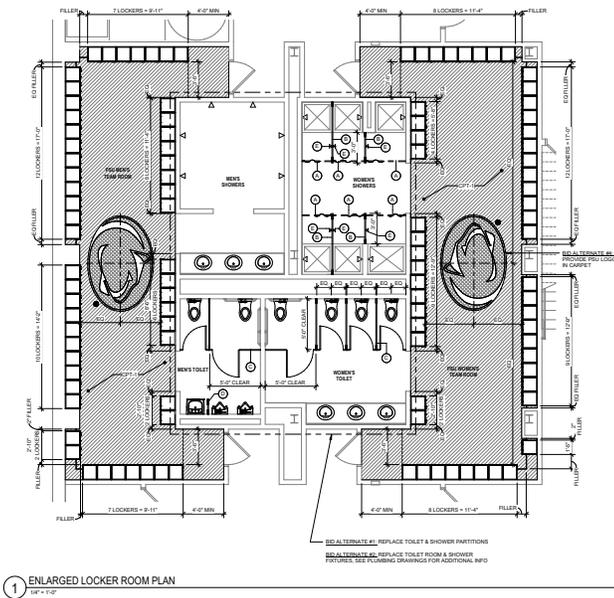
THE PENNSYLVANIA STATE UNIVERSITY MULTI-SPORT FACILITY LOCKER ROOM STUDY & RENOVATIONS, STATE COLLEGE, PA



OPTION-2; VIEW-1



OPTION-2; VIEW-2



OPTION-2; VIEW-1

CARPET TILE/PLANK	RUBBER BASE & DOOR TRIM PAINT	TOILET / SHOWER PARTITIONS	WALL PAINT

L.R. Kimball first prepared a study for Penn State University to be used as a tool to evaluate future options for the Training Center prior to upgrading the locker room facilities.

Our team provided specialized architectural and engineering services to assess the existing facility conditions of Multi-Sport Facility. We evaluated the locker and training areas to compose a Facility Condition Assessment (FCA) which included observation and evaluation of the systems serving these areas. We then issued a comprehensive facility report which included project area descriptions, existing photos, findings, highlights of critical items, system conditions, as well as concept plans showing options and associated cost estimates.

Penn State then selected an option to renovate the men's and women's team locker rooms, ensuring that additional renovations to the building could occur in the future when funding was available, without impacting the newly finished rooms.

PROJECT COMPLETION

- November, 2019 (Study)
- 2020 (Renovations)

CONSTRUCTION COST: \$231,200

TOTAL SQUARE FOOTAGE 1,800 SF

REFERENCE

Marvin S. Bevan, Jr., PE, RA, Project Manager
Design & Construction Division
The Pennsylvania State University
101L Physical Plant Building
University Park, PA 16802
Phone: 814-865-3474
E-mail: mxb61@psu.edu

PLUM BOROUGH SCHOOL DISTRICT DISTRICT-WIDE MASTER PLAN AND DESIGN OF THREE NEW SCHOOLS, PLUM, PA

L.R. Kimball began working with Plum Borough School District in 2009. Our first charge was the first critical step of the process and involved the creation of a District-wide Mater Plan.

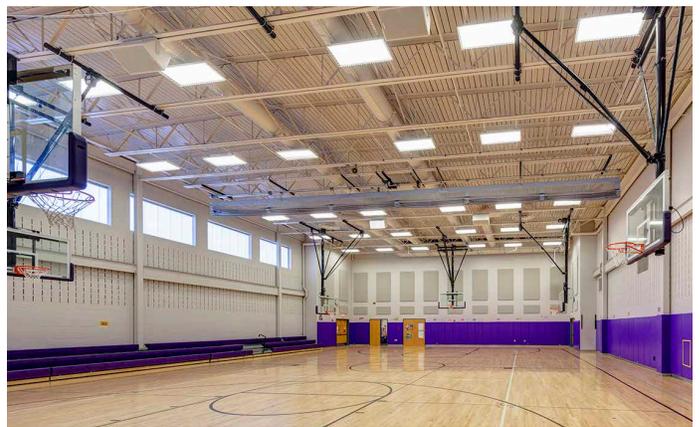
Following the completion of this master plan, our team designed two new, state-of-the-art elementary schools. The new, \$14.6M Pivik Elementary School was completed in 2012. The District had originally planned to renovate Holiday Park Elementary School; however, they changed their plans due in large part to the successful completion of the Pivik Elementary School. The new, \$15.1M Holiday Park Elementary School was completed in 2015. Each school is 74,000 SF and each school is designed for a capacity of 725 students in Grades K-6.

Both schools bear the following similar key themes and design features: Since many school's function as the center of the community, many spaces in both schools were designed with the intent to provide community access. Signage and wayfinding were a critical part of both designs. Both interior and exterior spaces were organized intuitively, with artistic use of color, making all spaces easy to find and very functional.

Durable, low-maintenance finish materials such as glazed masonry and terrazzo were used to provide high-quality, welcoming buildings. The exterior designs of the buildings are simple yet refined, utilizing durable but attractive low-maintenance materials such as brick and stone masonry. Although the District chose not to seek LEED certification, the buildings were still designed to be economical and sustainable in terms of recycled and recyclable materials, low maintenance costs, low life cycle costs, and energy efficiency. Controlling costs while providing attractive, functional spaces for the students and community were key components of both designs from the beginning.

Both schools have compact, two-story floor plan designs that separate the schools into academic wings for the various grade levels, connected by common areas such as the administration office, library, gymnasium, and cafeteria. Each school has a specially dedicated Kindergarten area, with direct access from the main entrance to provide extra security and closer walking distance for the younger students.

The architectural program for these schools provides flexible space in a multipurpose area which serves as a cafeteria and an assembly area, along with a full-size gymnasium, used by the students as well as the community. Both elementary schools have a large recreation area with soft and hard play areas as well as adequate parking for staff and visitors. Keeping student and community safety at top of mind, site circulation was improved, providing separate areas for buses and other vehicular traffic.





Continuing a great relationship, L.R. Kimball worked with Plum Borough School District to design a third elementary school. The new, 48,600 SF, \$10 million, K-6 Regency Park Elementary School was designed to include Kindergarten classrooms, regular classrooms, a life skills classroom, small and large group instruction rooms, a STEM classroom, special education classrooms, a multipurpose room, media center, gymnasium, kitchen, art and music rooms, and offices for the nurse, guidance staff, and administration. Our team also provided site design and demolition services. The existing Regency Park Elementary School was demolished, bidding documents were completed for the new school, however the school district decided to not move forward.



KEY FEATURES

- District-Wide Plan and design of three schools
- LEED design principles / energy efficiency
- Safety & circulation improvements
- Special education classrooms
- Flexible Spaces for multi-purpose uses
- Design adhered to ADA Compliance throughout

PROJECT COMPLETION

- 2010 – Master Plan
- 2012 – Pivik Elementary
- 2015 – Holiday Park Elementary
- 2017 – Regency Park Elementary (design only)

PROJECT COSTS

- \$14,643,602 (Pivik Elementary)
- \$15.1M (Holiday Park Elementary)
- Est. \$10 Million (Regency Park)

TOTAL SQUARE FOOTAGE

- 74,000 SF (Pivik Elementary)
- 74,000 SF (Holiday Park Elementary)
- 48,600 SF (Regency Park)

REFERENCE

Dr. Tim Glasspool, Retired Superintendent

VARIOUS PROJECTS AT YEAGER AIRPORT CHARLESTON, WV

L.R. Kimball has been working at Yeager Airport for over 25 years on 55+ projects. Projects at Yeager Airport have included:



New Bill Noe Flight School for Marshall University



L.R. Kimball provided options for a Master Plan to reflect future aspirations of Marshall University for a School of Aviation program at Yeager Airport in Charleston, WV and Tri-State Airport in Huntington, WV. The University is planning to split their program into two parts: An Aviation Maintenance Technology program focused on fixed wing and rotor maintenance at Tri-State Airport and a Flight School based at Yeager Airport. A student residence is intended to provide housing at the South Charleston campus to support first-year students. This project involved:

Program - Site Analyses and Building Spaces:

- Our work included confirmation of building locations and sizes. The Aviation Technology program is to be located in a former Armory building which would be renovated to accommodate lab space, classrooms and offices. The Flight School consists of two new buildings – a 12,000 SF Hangar and an adjacent 10,000 SF Classroom Building. The study also included programming and concept plans for a Student Residence for 50 students located adjacent to existing parking at the South Charleston campus. Concept plans included housing and food service requirements and limitations of the site grades, access and vehicle circulations.

Conceptual Studies:

- Building survey of existing building to be renovated
- Diagrammatic layouts and proposed building plans
- Simple massing models showing approximate volumetric description of the new building(s)
- Rough order of magnitude cost estimates
- Schedules that outlined key milestones for design and construction

Design:

- Marshall University, in conjunction with Yeager Airport, intends to build a new, \$6.6 million Hangar and Classroom Building to house the Bill Noe Flight School as part of the new School of Aviation program scheduled to start in the Fall of 2021.
- The 10,600 SF Classroom Building includes three classrooms, a large multi-purpose room, a flight simulation room, offices, a gaming room, two pilot planning areas and a large lounge space with collaborative seating and a fireplace and other support spaces.
- The 12,000 SF Hangar has space to store up to seven planes which will serve Marshall University well into the future.
- An addition is planned for the Classroom Building for additional classroom space and a second hangar can be constructed on the site as well as additional parking to allow for the program to expand in the future.



New US Customs Building

L.R. Kimball is providing architecture and engineering design services for a new 5,120 SF US Customs and Border Protection Building at Yeager Airport in Charleston, WV. This federal building will provide the necessary spaces and equipment required for the secure facility. The building will be connected to the Capital Jet Center by an enclosed walkway. Expanded public parking and a new drop-off canopy at the entrance to the Jet Center are also included in this project. Estimated Construction Cost: \$3,009,000.

Additional projects include:

- FBO Garage and Line Shack
- Relocate Rental Car Facilities
- Airport Maintenance Facility
- Design of Runway 5-23 Drill
- Rehabilitate Runway 5-23 and Runway Safety Area Analysis, and Access Taxiways
- Terminal Building Renovations/Expansion
- Taxiway A Relocation Environmental Assessment
- Runway 5 Obstruction Removal and Runway
- Runway 5 Obstruction Removal EA & Pre Design
- Environmental Form A R/W Safe
- Environmental Form C Runway Safe
- Aircraft Forecasts and Noise Control
- Master Plan with GIS Component
- Rehabilitate Taxiway A & B at Main Apron; Extend Taxiway A to Runway 5 End; Obstruction Removal Runway 5 End-Design; Rehabilitate and Redesign Taxiway B, Phase 2 Design & Construction
- Taxiway C Realignment with Runway Closure, Design
- Relocate Taxiway C Realignment, Ph2, Construction
- Runway Threshold Light Bar Mod Re-Design
- Runway 5 Obstruction Removal, Phase 2 (Tree Clearing Construction Phase 2)
- Commercial & GA Apron Lighting Improvements
- Wildlife Study (WHA & WHMP)
- Engineer of Record (July 2012-June 2014) w/ Natural Gas Well Installation
- Ground Obstruction Removal, Phase 3 (Construction)
- Pavement Management Study
- EMAS Evaluation Study
- Develop CSPP for Loading Bridge Project at Yeager Airport
- Stormwater Drainage Outfall Study at Yeager Airport
- Landslide Short-Term Aide
- RPZ Plan
- Drainage Improvements, Phase 2

- Land Acquisition - Runway 5 Protection Zone
- DBE Plan Reporting for Yeager Airport FY16-18
- Acquire Land in the Runway 5 RPZ, Ph 1 (Environmental Assessment)
- Rental Car Facility and Fueling Terminal
- Jet Hangar Facility
- Oversight for Miscellaneous Projects (2018)
- Extend Eagle Mountain Road, Phase 1 (Design)
- Extend Eagle Mountain Road, Phase 2 (Construction)
- Relocate and Reconstruct Buildings, Phase 1 (Design)
- GA Area Master Plan Update (2019)
- Improve Airport Drainage (Slip and Erosion Repairs)
- Building Demolition (GA Hangars and Line Shack)
- DBE Program Development & Reporting FY 2019-2021
- 2020 Yeager Expand/Rehabilitate GA Terminal Parking Lots
- Garage Assessment
- Site & Parking Lot Development for Bill Noe Flight School
- Apron for Marshall University Flight School
- Repair Maintenance Slip, Program Management
- Environmental Services (2005)
- S&S Wetland Mitigation and Monitoring

REFERENCE

Central WV Regional Airport Authority
 Nick Keller, Airport Director
 304.344.8033
 Nick@yeagerairport.com



WILSON SECONDARY SCHOOL

ARLINGTON, VA | ARLINGTON PUBLIC SCHOOLS

The new state-of-the-art 180,000 SF Wilson Secondary School provides an exemplary education to all students who attend. The public institution accommodates two educational programs, HB Woodlawn Secondary program for independent study and the Eunice Kennedy Shriver Program for students with intellectual disabilities as well as general education.

While students and faculty increasingly use smart devices in the classroom setting, IT/Telecom that supports current and future requirements is a priority. Hard wired connectivity and wireless access points are located throughout the entire building and site. Each floor is fitted with a telecommunications room outfitted with normal and emergency power.

Students gain exposure to the arts through the use of black box and performing arts theatres, including a workshop to build stage scenery. A film and photography studio allows students to explore the arts with flat panel displays, cameras, and a tripod system set up in a similar fashion to a professional newsroom allowing students to learn live broadcasting skills.

Arlington's Eunice Kennedy Shriver Program offers spaces dedicated to students with special needs, including a Sensory Cottage that provides stimulation to calm or energize students. Portable devices can present calming images and sounds through an audio sound system and projector that are controllable with auxiliary input stations. Students improve independence by working on life skills in the occupational and physical therapy suite.

PROJECT SIZE: 180,000 SF
CONSTRUCTION COST: \$126 MILLION

SERVICES



Audiovisual



IT/Telecom

REFERENCE

John C. Chadwick AIA
Former Superintendent at Arlington
Public Schools, now Principal at DLR
Group
jchadwick@dlrgroup.com

*Project done as The Sextant Group,
which rebranded to NV5 in 2020.*



NEW CAMPUS CENTER

FREDERICKSBURG, VA | UNIVERSITY OF MARY WASHINGTON

The new University of Mary Washington Campus Center, described as a big campus living room, combines all aspects of campus life under one roof. On the site where historic Chandler Hall once stood, this 123,000 SF, 4-story campus center represents a multi-use facility of collaborative learning, teaching, and community engagement. Utilizing technology-rich elements, the center creates a warm and inviting social space, while also maintaining a versatile environment with advanced audiovisual equipment and acoustic treatment.

A highlight of the Campus Center is a divisible, multi-purpose event space. This space supports a wide variety of events including computer and digital media based presentations, film screening, music events, and lectures. Events are supported through an automated control system along with production support including an audio mixing console, video production switcher, and production lighting system.

Seven student-centered meeting rooms come equipped in varying configurations to meet different student needs. Small and medium meeting spaces include LED flat panel displays. Large meeting spaces are outfitted with flexible furniture, video and audio conferencing units, and ceiling speakers for voice reinforcement.

With enrollment over 4,000 students, the University of Mary Washington has provided a personal way for students, faculty, and visitors to interact. State-of-the-art technology furnished throughout the campus center presents students with a variety of ways to blend their social and academic lives.

PROJECT SIZE: 123,000 SF
CONSTRUCTION COST: \$35 MILLION

SERVICES



Audiovisual



Acoustics

REFERENCE

Gary Hobson PE
Associate Director, Capital Outlay
University of Mary Washington
ghobson@umw.edu

Project done as The Sextant Group, which rebranded to NV5 in 2020.



SKELLY AND LOY
A Terracon COMPANY

Asbestos/Lead-Based Paint Inspection at Evansdale Residential Complex West Virginia University, Monongalia County, West Virginia

Client/Owner

AECOM (formerly DMJM Harris)

West Virginia University

Estimated Project Value

Total: \$7,300

Firm Responsibility: \$7,300

Completion Date

2005

Key Components

Asbestos Inspection; Lead-Based Paint Inspection

Reference Contact

Mr. Sean Henderson
Four Gateway Center, Suite 550
Pittsburgh, PA 15222
P: 412-395-8888
F: 412-395-8897



Skelly and Loy, Inc. completed asbestos and lead-based paint inspections on the exterior of four ten-story residential halls (Lyon, Braxton, Brooke, and Bennett) located on the West Virginia University, Evansdale Campus. The objective of the inspections was to document the presence of asbestos-containing material (ACM) and lead-based paint on the exterior of the four towers, prior to renovation. Samples were collected from the exterior of the buildings, including materials underneath the brick exterior. Lead samples were collected from exposed steel support shelving and substructure structural steel beams and angles. Skelly and Loy personnel had to use scaffolding on the exterior of the ten-story buildings to collect the asbestos and lead-based paint samples.

The asbestos inspection included visual and tactile assessments of materials suspected of containing ACM, with suspect ACM being sampled for laboratory analysis. Based on the results of the inspections, Skelly and Loy personnel provided recommendations that work activities that may potentially disturb identified ACM should be performed in accordance with all local, state, and federal regulations. It was also recommended that impact to identified lead-based paint surfaces be avoided to minimize the chance for lead exposure.



SKELLY AND LOY

A Terracon COMPANY

Asbestos Specifications/Drawing and Onsite Monitoring at HSC Pharmacy Lab 2033 and 2034, Morgantown, West Virginia

Client/Owner

West Virginia University

Estimated Project Value

Total: \$10,765

Firm Responsibility: \$10,765

Completion Date

2017

Key Components

Asbestos Containing Materials/Lead-Based Paint/Hazardous Materials Inspections; Bid Specifications; Asbestos Project Design

Reference Contact

Mr. Kevin Kilinsky, LEED AP
Planning, Design & Construction
West Virginia University
979 Rawley Lane
P.O. Box 6572
Morgantown, WV 26506-6572
P: 304-293-2876



Skelly and Loy provided asbestos and hazardous materials testing and abatement consulting services for the HSC Pharmacy Lab, Rooms 2033 and 2034 renovation project at West Virginia University. Skelly and Loy provided construction documents for an abatement Contractor to remove the materials and provided monitoring services for the planned renovation project. The survey report provided by West Virginia University was used to identify the types and general locations of ACMs within the renovation area of the building. The abatement design specifications detailed all pertinent federal and West Virginia regulations, were prepared by a West Virginia Licensed Asbestos Abatement Project Designer, and were reviewed by our Certified Industrial Hygienist (CIH).

The asbestos and hazardous material abatement portion of this project included the removal, cleanup, and disposal of ACM and hazardous materials from areas of HSC Pharmacy Lab, Rooms 2033 and 2034. The ACMs identified in Room 2033 included the following: first benchtop from entrance, front of countertop of fume hood #1, transite panel inside fume hood #1, 12"x12" light grey floor tile with black mastic

(replacement tiles), all pipes above ceiling and under cabinets, window glazing. The ACMs identified in Room 2034 included the following: transite panel, back layer from inside fume hood, transite panel, front layer from inside fume hood, 12" x12" grey floor tile, all pipes above ceiling and under cabinets. The ACMs identified included 12"x12" grey floor tile. Rooms 2033 and 2034 contain mercury in the traps which were removed and handled as mercury contaminated hazardous waste.

At the conclusion of the project, Skelly and Loy conducted all closeout activities such as coordination of final inspections and restoration of the site affected by the abatement. A final report was prepared summarizing the abatement project and documenting all air monitoring (including ambient and final clearance air sampling), daily logs, visual inspection checklists, disposal records and waste manifests, inspection reports, and violations of specifications and regulations. The report, which was reviewed by our CIH, was comprehensive and served as formal documentation for the permanent records of the abatement activities at the HSC Pharmacy Lab project.



SKELLY AND LOY
A Terracon COMPANY

Asbestos and Lead-Based Paint Inspections/Hazardous Materials Assessment at Dadisman Hall, West Virginia University, Morgantown, West Virginia

Client/Owner

West Virginia University

Estimated Project Value

Total: \$69,000

Firm Responsibility: \$36,000

Completion Date

2008

Key Components

Asbestos Containing Materials/Lead-Based Paint/Hazardous Materials Inspections; Bid Specifications; Asbestos Project Design

Reference Contact

Mr. Kevin Kilinsky, LEED AP
Planning, Design & Construction
West Virginia University
979 Rawley Lane
P.O. Box 6572
Morgantown, WV 26506-6572
P: 304-293-2876
F: 304-293-8811
kevin.kilinsky@mail.wvu.edu



Skelly and Loy, Inc. completed asbestos-containing material (ACM) and lead-based paint (LBP) inspections and hazardous materials assessment for this 100,000-square foot residential dormitory located on the West Virginia University, Main Campus in Morgantown, West Virginia.

Samples of suspect ACM were collected from both the exterior and interior of Dadisman Hall and analyzed to determine the presence of ACM. Locations and quantities of ACM were identified in order for proper technical bidding specification development, design criteria for the proper abatement of ACM, and to aid in abatement contractor selection.

Trained Skelly and Loy inspectors conducted a room-by-room and exterior LBP inspection of Dadisman Hall

using an InnovX Systems® X-ray fluorescence (XRF) spectrum analyzer to detect the presence of LBP. Recommendations for proper handling of LBP contaminated surfaces and materials were provided to WVU.

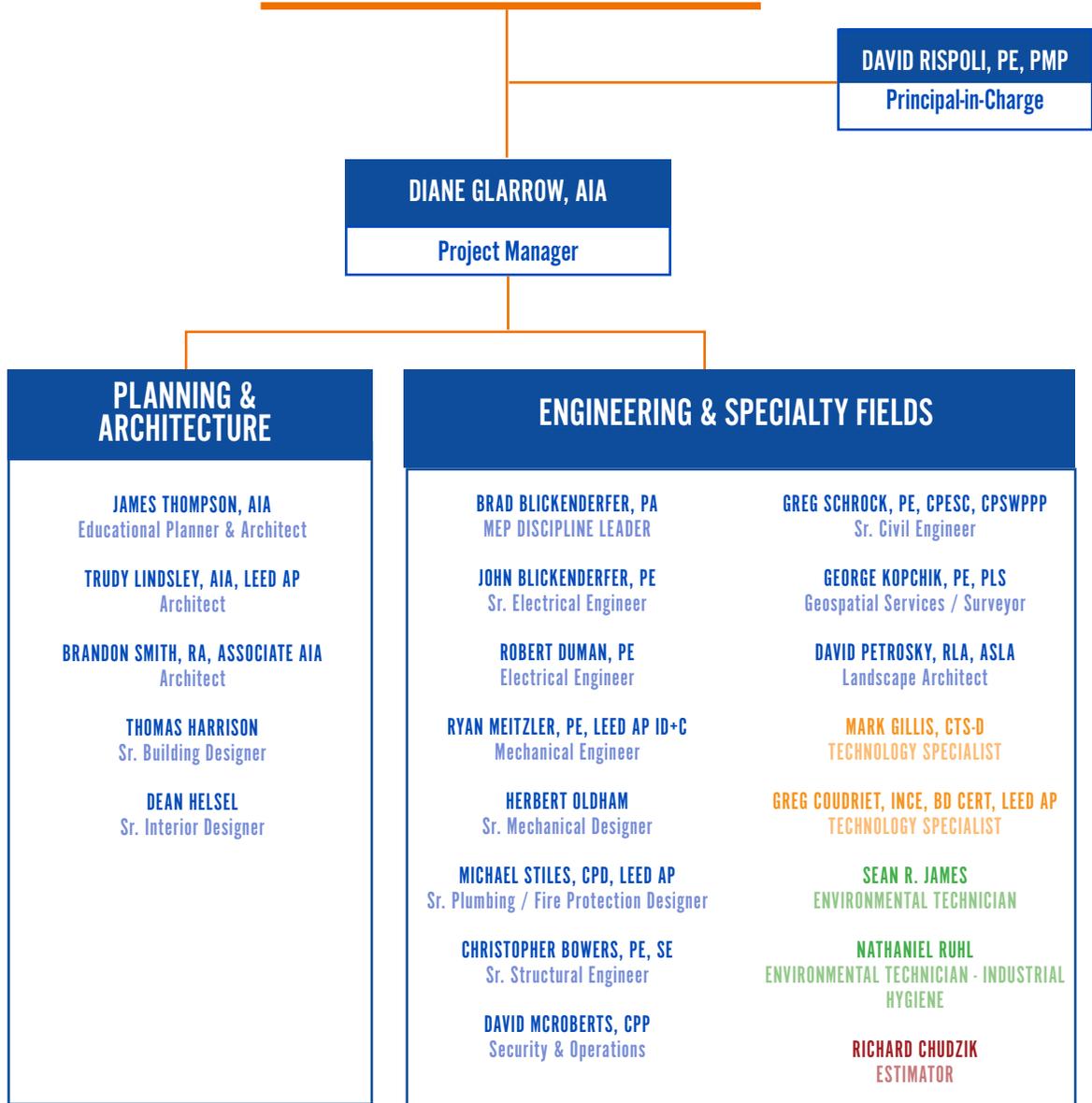
Visual inspection of the building components including, but not limited to, lighting fixtures, storage areas and mechanical systems were evaluated for the presence of hazardous materials. Some of the buildings lighting fixtures were determined to contain PCB ballasts, and various potentially hazardous chemicals (mostly cleaning products) were identified. Recommendations were developed for proper handling and/or disposal of hazardous materials that may potentially be encountered during the renovation of Dadisman Hall.



Extraordinary outcomes are the result of exceptional people.



Project Team - Organization Chart & Resumes



TEAM KEY

L.R. KIMBALL

TROPHY POINT

NV5

SKELLY & LOY



DAVID RISPOLI, PE, PMP

PRINCIPAL-IN-CHARGE



David brings 35 years of experience and expertise in all phases of architecture, engineering, and construction management. Specific responsibilities have included operations; staff supervision; business development; coordination among the architectural, structural, civil, mechanical, and electrical disciplines; project management; budget control; direct client contact; and coordination between field and office during construction. David has managed and supervised a variety of project types including educational, public safety, municipal, judicial, correctional, healthcare, conference/office, commercial, manufacturing, and transportation facilities. A partial listing of David's relevant project experience includes:

YEARS OF EXPERIENCE

- 35 Years

EDUCATION

- Associate, Architectural Engineering, The Pennsylvania State University, 1983
- BS, Const. Mgmt. and Struc. Eng., The Pennsylvania State University, 1985

REGISTRATIONS/ CERTIFICATIONS

- **WV, Professional Engineer, 1997**
- Registered Professional Engineer in 8 Additional States
- Project Management Professional
- NCEES Certified

AFFILIATIONS

- American Institute of Architects, Associate Member
- American Society of Civil Engineers
- National Society of Professional Engineers
- Project Management Institute

Marshall University, Master Plan and New Flight School at Yeager Airport, Charleston, WV

Maser Consulting P.A., Toms River Regional Schools, Toms River, NJ

- Facilities Conditions Assessment and Subsequent Renovations/Additions/Repairs
- Energy Savings Improvement Projects

Altoona Area School District, Altoona, PA

- Baker Elementary School Roof Replacement
- Baker Elementary School HVAC Upgrades
- Juniata Elementary School Wardrobes
- High School Black Box Theater (Phase II)
- Mansion Park Paving and Curbing

Bellwood-Antis School District, Bellwood, PA

- Middle School/High School Domestic Hot Water System Replacement
- Varsity Baseball Field Bleacher Assessment/Repair

Central Cambria School District, Ebensburg, PA

- Middle School Addition and Alterations to the Central Cambria High School
- Jackson Elementary School Toilet Room Upgrades

Conemaugh Township Area School District, Davidsville, PA

- Elementary School Additions/Alterations
- High School Additions/Alterations

Conneaut School District, Linesville, PA

- Parking Lots and Soccer Fields
- Card Access and Video Surveillance Systems
- Life Skills Renovations at Conneaut Lake Elementary School

Danville Area School District, Danville, PA

- Primary School
- Middle School Flood Restoration and Repair, & HVAC Renovations
- Middle School Water Heating System
- Library Computer Lab Electrical Service Upgrade
- Conceptual Building and Site Designs for Multiple Options Developed in the 2005 Feasibility Study for a New Elementary or Elementary Renovations/ Additions

Plum Borough School District, Plum, PA

- Three New Elementary Schools: Regency Park, Holiday Park, and Pivik
- Plum Senior High School Softball Field
- District-Wide Facility Study

State College Area School District, State College, PA

- Boalsburg Elementary School Front Facade Brick Replacement
- Track Resurfacing at the High School South Building
- Lemont Elementary School Boiler and Pump Replacement
- Memorial Field Master Plan Study
- Park Forest Middle School Science Lab Upgrades and Tennis Court Reconstruction
- Renovation of Science Rooms and Art Rooms at Park Forest Middle School



DIANE GLARROW, AIA

PROJECT MANAGER



Diane brings sure and certain knowledge and over 40 years of experience to every project she is involved with. Diane has extensive expertise in the design of new and renovated educational facilities. Diane's relevant project experience includes:

Maser Consulting P.A., Toms River Regional Schools, Facilities Conditions Assessment and Subsequent Renovations/Additions/Repairs, Toms River, NJ

Marshall University, Master Plan and Flight School at Yeager Airport, Charleston, WV

YEARS OF EXPERIENCE

- 40 Years

EDUCATION

- B.S. Architecture, The Pennsylvania State University, 1980

REGISTRATIONS/ CERTIFICATIONS

- **WV, Registered Architect, 2012**
- Registered Architect in Six Additional States

AFFILIATION

- American Institute of Architects

Armstrong School District, Kittanning, PA

- New Junior/Senior High School
- Elderton K-12 School Additions/Alterations (Schematic Design through Construction Documents)
- Ford City Junior/Senior High School Renovations (Schematic Design through Construction Documents)
- Permit Drawings for Proposed District Administration Office Relocation to West Hills Primary School
- West Shamokin High School Football Field Drainage

Blairsville-Saltsburg School District, Saltsburg, PA

- Miscellaneous K-12 Upgrades
- Saltsburg K-12 Campus Track/Stadium Renovations
- Blairsville Elementary School Lighting Replacement

Central Cambria School District, Ebensburg, PA

- Middle School Addition and Alterations to Central Cambria High School
- Multi-Purpose Room Addition to Jackson Elementary School

Conneaut School District, Linesville, PA

- Consolidated Revisions at Various Schools
- Linesville Stadium Upgrades

Danville Area School District, Middle School Flood Restoration and Repair, Danville, PA

French American School, Master Plan and Site Assessment, Princeton, NJ

Plum Borough School District, New Pivik Elementary School, Plum, PA

Portage Area School District, Elementary School Renovations, Portage, PA

Richland School District, Johnstown, PA

- New Junior/Senior High School
- Artificial Turf Installation at F. W. Herlinger Field
- Elementary School Direct Digital Control System
- Boiler Relocation

Wilkinsburg Borough School District, Wilkinsburg, PA

- Turner Elementary School Boiler Replacement
- Replacement of Walk-in Refrigerator and Freezers at Kelly Elementary School and Wilkinsburg Jr./Sr. High School



JAMES R. THOMPSON, AIA

EDUCATIONAL FACILITY PLANNER & ARCHITECT



Jim brings 34 years of experience with expertise in educational facility planning and school design architecture. Specific responsibilities have included direct client contact; community consensus-building; district-wide planning; school design; coordination among the architectural, structural, civil, mechanical, and electrical disciplines; and project management for budget, schedule, and quality control.

Jim's project experience includes over 31 district-wide planning projects and over 100 public and private school design projects. Six of his projects achieved LEED certification. In 2018 and 2019, Jim provided consulting services for the Pennsylvania Department of Education, including plan examination and participation in **Public School Building Construction and Reconstruction Advisory Committee** meetings. Jim's project experience includes:

YEARS OF EXPERIENCE

- 34 Years

EDUCATION

- B.S. Art and Design, Massachusetts Institute of Technology, 1979
- Master of Architecture, Carnegie Mellon University, 1986

REGISTRATIONS/ CERTIFICATIONS

- PA, Registered Architect, 1987
- MD, Registered Architect, 2008
- National Council of Architectural Registration Boards - (NCARB) Certified

AFFILIATIONS

- American Institute of Architects Central PA Chapter – past President
- Pennsylvania School Boards Association (2012 – present)
- National School Boards Association – Federal Relations Network
- NAACP
- Association for Learning Environments

COMMUNITY

- Harrisburg City School Board - President
- DePaul School for Hearing and Speech – past President
- Mt. Lebanon Extended Day Program – Board of Directors
- Mt. Lebanon Municipal Planning Board – past Chair

Educational Facility Planning

- Hancock County Schools*, District-Wide Facility Study, New Cumberland, WV
- Hardy County Schools*, District-Wide Facility Study, Moorefield, WV
- Mineral County Schools*, District-Wide Facility Study, Keyser, WV
- Washington County Schools*, County Accessibility Study, Hagerstown, MD

School Design

- **Western Pennsylvania School for Blind Children, Mary Schenley Building Renovations, Pittsburgh, PA***
- **DePaul School for Hearing and Speech, Interior Renovations, Pittsburgh, PA**
- **Linsly School, Wheeling, WV***
 - New Yost Residence Hall
 - Stifel Fieldhouse Adds and Alts
- **Prince George's County Public Schools, Accokeek, MD***
 - Accokeek Academy Campus Master Plan
 - New Henry G. Ferguson Elementary School (LEED Gold)
 - Eugene Burroughs Middle School adds and alts (LEED Gold)
- **Frederick County Public Schools, Lincoln Elementary School Adds and Alts, Frederick, MD (LEED Silver)***
- **Queen Anne's County Public Schools, Kennard African-American Cultural Heritage Center Restoration, Centreville, MD***
- **Bay Village City School District, New Bay Village Middle School, Bay Village, OH***
- **Derry Twp. School District, Hershey, PA***
 - Hershey High School Athletic Fields
 - Early Childhood Center Adds and Alts
 - Hershey Elementary School Adds and Alts
- **School District of Springfield Twp.***
 - New Erdenheim Elementary School, Flourtown, PA (LEED Gold)
 - Springfield Twp. Middle School adds and alts, Oreland, PA (LEED Gold)
- **School District of Cheltenham Twp., Elkins Park, PA***
 - Benjamin Myers Elementary School Adds and Alts (LEED Gold)
- **Susquehanna Twp. School District, Susquehanna Twp., PA***
 - Susquehanna Twp. High School adds and alts
 - Susquehanna Twp. Middle School adds and alts
- **Armstrong School District, Kittanning, PA***
 - New West Hills Intermediate School, Kittanning, PA
 - West Hills Primary School adds and alts, Kittanning, PA
- **Upper Adams School District, Biglerville, PA***
 - Biglerville Elementary School adds and alts, Biglerville, PA
- **Upper St. Clair School District, PA***
 - Upper St. Clair High School adds and alts, Upper St. Clair, PA
- **South Park School District, New South Park Elementary School, Library, PA***

*Indicates project experience prior to joining L.R. Kimball



TRUDY LINDSLEY, AIA, LEED AP ARCHITECT



With over 18 years of experience in the architecture/engineering industry, Trudy's demonstrated areas of expertise include architectural design, production, construction documentation, project management and construction administration. She utilizes BIM/Revit and AutoCAD software in the drafting and production of architectural drawings from the schematic design phase through the construction documents phase. Trudy has extensive experience in the creation of renderings of interior and exterior spaces of the project using Revit and Enscape. She is also skilled in the use of Sketch-Up. These project types have encompassed both new construction and renovations to existing facilities.

YEARS OF EXPERIENCE

- 18 Years

EDUCATION

- Bachelor of Architecture, The Pennsylvania State University, 2003

REGISTRATION

- PA, Registered Architect, 2008
- NJ, Registered Architect, 2019

A partial list of Trudy's relevant project experience includes:

Maser Consulting P.A., Toms River Regional Schools, Facilities Conditions Assessment and Subsequent Renovations/Additions/Repairs, Toms River, NJ

Altoona Area School District, Renovation and Expansion of High School, Altoona, PA*

Boyertown Area School District, Boyertown Area High School Renovation/Addition, Boyertown, PA*

Daniel Boone Area School District, New Monocacy Elementary Center, Berks County, PA*

Forest City Regional School District, Addition and Renovations, Forest City, PA*

New Chester Charter School for the Arts, Chester, PA Northern Lehigh School District, Slatington Elementary School Renovation/Addition, Slatington, PA*

Northampton Area School District, New Middle School, Northampton, PA*

Penns Valley School District, High School Renovation/Addition, Spring Mills, PA*

Palmerton Area School District, Palmerton Jr. High School Renovation/Addition, Palmerton, PA*

Pottsgrove School District, Pottsgrove High School Renovation/Addition, Pottsgrove, PA*

Southern Lehigh School District, New Hopewell Elementary School, Center Valley, PA*

Tacony Academy Charter School, American Paradigm Schools*

Rhawnhurst Campus Renovation/ Addition [K-8], Philadelphia, PA*

Wissinoming Campus New High School, Philadelphia, PA*

Wilson Area School District, High School Media Center Renovation, Easton, PA*

Marshall University, Master Plan Options for a New Aviation Program, Flight School, and Housing, Charleston and Huntington, WV

Penn State University, Multi-Sport Locker Room Study & Renovations, State College, PA

Penn State University, Multi-Sport Netting Replacement, State College, PA

Sheetz, Inc., Architectural/Engineering Services for Various Stores including: Prototype Stores, New Stores, and Renovations to Existing Stores in PA, MD, NC, OH, VA, and WV

*Indicates project experience prior to joining L.R. Kimball



BRANDON SMITH, RA, ASSOC. AIA ARCHITECT



Brandon is an Architect with nearly 5 years of experience including facility assessment surveys, preparation of construction drawings and performing interior and exterior rendering services. He has experience includes programs such as AutoCAD, Revit, SketchUp and Enscape. His project experience includes education, government, aviation, and transportation facilities, as well as religion, small commercial, and urban housing (multifamily).

Brandon's relevant project experience includes:

YEARS OF EXPERIENCE

- 4 Years

EDUCATION / CERTIFICATION

- Master of Architecture, University of Colorado, Denver, 2018
- Bachelor of Environmental Science, Environmental Design, Minor in Art and Architectural History, Texas A&M University, 2014
- Design/Build Certificate
- Study Abroad - Castiglion Fiorentino, Italy

REGISTRATION

- PA, Registered Architect, 2020

HONORS

- Confluence Hall - AIA Utah Honor Award - Fall 2017 (Design-Build)
- The Hops Hangar - 1st for Best Project People's Choice - Spring 2018
- The Hops Hangar - 2nd for Best Project Juries Choice - Spring 2018

PUBLICATIONS

- Confluence Hall - Best Student Built Projects Worldwide 2017 - Archdaily.com
- Confluence Hall - Dezeen.com - Spring 2018 (Design-Build)

Maser Consulting, Toms River Regional Schools, Design Implementation across 25+Buildings, Toms River, NJ

- Upgrades to Elementary Schools: Beachwood; Cedar Grove; East Dover, Hooper Avenue, North Dover, Pine Beach, Silver Bay, South Toms River, Walnut Street, Washington Street, J. Citta, and West Dover
- Upgrades to High Schools: East, North, South, Intermediate East, Intermediate North, and Intermediate South,

Maser Consulting, Federal Aviation Administration, Various Projects Under an Open End Contract, Egg Harbor, NJ

- Window Replacement
- Building 300 AHU 2 and 3 Replacement

Sheetz, Inc.

- Architectural design services for various stores in Pennsylvania and Virginia



THOMAS HARRISON

SENIOR BUILDING DESIGNER



Tom brings over 33 years experience in architectural design, production, and construction documentation, and construction administration of buildings for a variety of project types. Tom also utilizes AutoCAD and Revit Software in the drafting and production of architectural drawings from the schematic design phase through construction documents. Tom has experience in the design of educational, public safety, commercial, correctional, judicial, municipal, residential, and recreational facilities. These project types encompass both new construction and renovations. A partial list of Tom's relevant experience includes:

YEARS OF EXPERIENCE

- 33 Years

EDUCATION

- Associate, Architectural Engineering, The Pennsylvania State University, 1987

Maser Consulting P.A., Toms River Regional Schools, Toms River, NJ

- Facilities Conditions Assessment and Subsequent Renovations/Additions/Repairs
- Energy Savings Improvement Projects

Altoona Area School District, Altoona, PA

- Baker Elementary School Roof Replacement
- Juniata Elementary School Wardrobes
- Juniata Gap Elementary School Roof Replacement
- Junior High School
- Pleasant Valley Elementary School
- Advanced Science Technology Research Academy (ASTRA) Classroom
- Demolition of Roosevelt Junior High School
- Fire Alarm System Upgrades
- High School Black Box Theater (Phase I)
- High School Fieldhouse Dividing Doors
- Keith Junior High School Exterior Door Replacement
- Stevens' Building Restroom Renovations
- High School Building C Roof Parapet Wall Repairs
- High School Auditorium Stage Lighting Upgrade

Blairsville-Saltsburg School District, Saltsburg Middle-High School Renovations/Saltsburg Elementary School Addition, Saltsburg, PA

Central Cambria School District, Ebensburg, PA

- Cambria Elementary School Renovations/Additions
- High School Renovations/Additions

Huntingdon Area School District, Huntingdon, PA

- Southside Elementary School
- Brady-Henderson Mill Creek Elementary School Additions/ Alterations
- Jackson-Miller Elementary School Additions/Alterations

Meyersdale Area School District, Renovations/Additions to Elementary, Middle, and High Schools, Meyersdale, PA

Richland School District, Junior/Senior High School, Johnstown, PA

School District of Philadelphia, Samuel Fels High School, Philadelphia, PA

Susquehanna Township School District, Harrisburg, PA

- Susquehanna Township High School Renovations/ Upgrades
- Susquehanna Township Middle School Renovations/ Upgrades
- High School Science Room Renovations
- Herbert Hoover Elementary School HVAC Upgrades
- Roof Replacement at Progress Elementary School and Anna L. Carter Kindergarten Center



DEAN HESEL

SENIOR INTERIOR DESIGNER



With over 34 years of experience in the architectural field, Dean has experienced first-hand the “technological evolution” of CADD. Dean uses his depth of experience in BIM systems as a tool for producing architectural/interior design details. Using Revit and Lumion technology, Dean creates 3D finish schedules and digital color boards to bring our clients’ projects to life.

Dean has worked on various building types throughout his career including educational, commercial, industrial, sports, healthcare, public safety, judicial, governmental, correctional, and residential facilities.

YEARS OF EXPERIENCE

- 34 Years

EDUCATION

- Associate, Interior Design, The Art Institute of Pittsburgh, 1987

Dean’s relevant project experience includes:

Maser Consulting P.A., Toms River Regional Schools, Toms River, NJ

- Facilities Conditions Assessment and Subsequent Renovations/Additions/Repairs
- Energy Savings Improvement Projects

Altoona Area School District, Altoona, PA

- New Pleasant Valley Elementary School
- Advanced Science Technology Research Academy (ASTRA) Classroom

Armstrong School District, New Junior-Senior High School, Kittanning, PA

Brownsville Area School District, New Elementary School, Brownsville, PA

East Orange Public Schools, East Orange, NJ

- Hart Middle School Renovations/Additions

Huntingdon Area School District, Huntingdon, PA

- New Southside Elementary School
- New Standing Stone Elementary School

Meyersdale Area School District, Meyersdale, PA

- Renovations/Additions to Elementary, Middle, and High Schools

Port Allegany School District, Port Allegany, PA

- Junior/Senior High School Additions/Alterations

School District of Philadelphia, Philadelphia, PA

- New Samuel Fels High School

Lebanon Valley College, Annville, PA

- Heilman Gymnasium Addition

Mount Aloysius College, Cresson, PA

- New Convocation Center
- New Library

The Pennsylvania State University, University Park, PA

- New Engineering Research Center
- Indoor Tennis Building Study

West Chester University of Pennsylvania, West Chester, PA

- 3-D Student Housing Animation

Sheetz, Inc., Architectural/Engineering Services for Various Stores including: Prototype Stores, New Stores, and Renovations to Existing Stores in PA, MD, NC, OH, VA, and WV



BRAD BLICKENDERFER, PE

MEP DISCIPLINE MANAGER / ELECTRICAL ENGINEER



Brad has 23 years of experience in the design of electrical, lighting, telecommunications, and security systems for various types of projects including a variety of local, county, state, and federal government facilities. Brad's experience includes K-12 and higher educational facilities, hospitals, office buildings, institutional and other commercial and industrial facilities.

As Project Manager, Brad will be your primary contact. He will communicate with your internal project team on a regular-basis, develop and negotiate fees and contract terms, administer the contract for services, and coordinate with outside consultants. In addition, Brad will be responsible for staffing, scheduling, design oversight, and implementation of the L.R. Kimball quality assurance/quality control process.

As MEP Discipline Manager, Brad is responsible for managing the overall MEP design and documentation to ensure that the design conforms with your project needs and that standards are met within the framework of established quality control/quality assurance guidelines.

YEARS OF EXPERIENCE

- 23 Years

EDUCATION

- Bachelor of Science, Electrical Engineering, University of Pittsburgh at Johnstown, 1999

REGISTRATIONS/ CERTIFICATIONS

- **WV, Professional Engineer, 2012**
- Professional Engineer in Seven Additional States

AFFILIATIONS

- Institute of Electrical and Electronics Engineers

Maser Consulting P.A., Toms River Regional Schools, Toms River, NJ

- Facilities Conditions Assessment and Subsequent Renovations/Additions/Repairs
- Energy Savings Improvement Projects

Marshall University, Master Plan and Flight School at Yeager Airport, Charleston, WV

Conneaut School District, Consolidated Revisions at Various Schools, Linesville, PA

Armstrong School District, New Stadium & Athletic Fields, Kittanning, PA

Bellwood-Antis School District, Middle School/High School Domestic Hot Water System Replacement, Bellwood, PA

Chartiers-Houston School District, Houston, PA*

- Allison Park Elementary School – Complete Renovation of Existing Building

Chartiers Valley School District, Pittsburgh, PA*

- Chartiers Valley High School – Renovations to Existing Administration Area and Cafeteria

Danville Area School District, Danville, PA

- Middle School Flood Restoration and Repair
- Danville Middle School – New Power Distribution, Mechanical Power Design, Life Safety Systems, Auditorium Lighting, and Sound Systems*

Derry Area School District, Derry, PA*

- Grandview Elementary School – Complete Renovation of Existing Building and New Classroom Addition

East Allegheny School District, North Versailles, PA*

- Logan Middle School – Complete Electrical Design for New Building

New Jersey Schools Development Authority

- Engineering Services Associated with the Proposed Expansion of the Paul Robeson Community Elementary School, New Brunswick, NJ

Wilksburg Borough School District, Wilksburg, PA

- Middle School/High School Mechanical System Upgrades and Handicap Accessibility and Restroom Improvements



JOHN BLICKENDERFER, PE

SENIOR ELECTRICAL ENGINEER



John has 14 years of experience as an Electrical Engineer on a wide variety of project types, including over 15 K-12 facilities. John is responsible for the design of various electrical systems including power distribution, fire alarm, CATV, telecommunications, lighting, A/V, and security systems; site surveys and evaluations of existing electrical systems; preparation of cost estimates and electrical specifications; coordination of design documents with utility companies and the architectural and other engineering disciplines; ensuring compliance with the NEC, IBC, NFPA, and all other applicable building codes; and construction administration activities.

John's relevant project experience includes:

YEARS OF EXPERIENCE

- 14 Years

EDUCATION

- Bachelor of Science, Electrical Engineering Technology (Minor in Mathematics), University of Pittsburgh at Johnstown, 2009

REGISTRATION

- PA, Registered Engineer, 2015

Maser Consulting P.A.

- Toms River Regblickenderfer Schools, Facilities Conditions Assessment and Subsequent Renovations/Additions/Repairs, Toms River, NJ
- Mechanical and electrical engineering design services for a variety of projects for the Federal Aviation Administration, Atlantic City, NJ

Plum Borough School District, New Regency Park Elementary School, Plum, PA

Renovations/New Construction to 9 Buildings Across Two Campuses, Rowan College at Burlington County, Mount Holly and Mount Laurel, NJ

A.W. Beattie Career Center, Allison Park, PA*

Apollo-Ridge School District, Owens Field Stadium Complex, Apollo, PA*

Bradford Area School District, Bradford, PA*

- Bradford Area High School
- Floyd C. Fretz Middle School
- George G. Blaisdell Elementary School

Crawford Central School District, West End Elementary School, Meadville, PA*

Derry Area School District, Derry, PA*

- Derry Area High School/Middle School Stadium
- Grandview Elementary School

Franklin Area School District, Central Elementary School, Franklin, PA*

Huntingdon Area School District, Huntingdon Area Middle School, Huntingdon, PA*

Intermediate Unit 1, Coal Center, PA*

Marion Center Area School District, John R. Mallino Stadium, Marion Center, PA*

Mon Valley Career & Technology Center, Charleroi, PA*

Peters Township School District, Pleasant Valley Elementary Athletic Fields, McMurray, PA*

Ringgold School District, Ringgold Elementary School South, Monongahela, PA*

*Indicates project experience prior to joining L.R. Kimball



ROBERT DUMAN, PE

SENIOR ELECTRICAL ENGINEER



Robert is a registered professional engineer who has more than 20 years of electrical expertise experience in the educational, commercial, and governmental industries.

Robert specializes in energy audits, design, specifications, cost estimating, start-up and field supervision of construction for power distribution systems, fire alarm systems, security systems, lighting systems, intercommunications systems, data systems, remote sound systems, emergency power systems and grounding.

Robert's relevant project experience includes:

Maser Consulting P.A.

- Toms River Regional Schools, Facilities Conditions Assessment and Subsequent Renovations/Additions/Repairs, Toms River, NJ

Renovations, New Gymnasium Addition, Bald Eagle Area School District, Wingate, PA*

New Office Building Construction, PA Cyber School, Midland, PA*

New Football/Soccer Stadium Construction, Keystone Central School District, Mill Hall, PA

Bedford County CTC Renovations, Bedford, PA*

Renovo Elementary School Renovations, Keystone Central School District, Renovo, PA

Mill Hall Elementary School Renovations, Keystone Central School District, Mill Hall, PA*

Erdenhiem Elementary School Construction, Springfield Township School District, Flourtown, PA*

New Springfield Township Middle School Renovations, Springfield Township School District, Flourtown, PA*

New Indian Valley High School Construction, Indian Valley School District, Lewistown, PA*

Bedford County CTC Renovations, Bedford County CTC, Bedford, PA*

Lenepe Elementary School Renovations, Armstrong School District, Kittanning, PA*

*Indicates project experience prior to joining L.R. Kimball

YEARS OF EXPERIENCE

- 20+ Years

EDUCATION

- BS, Electrical Engineering Technology, University of Pittsburgh at Johnstown

REGISTRATION

- PA, Registered Engineer, 2004



RYAN MEITZLER, PE, LEED AP ID+C

SENIOR MECHANICAL ENGINEER



Ryan has 16 years of experience in the design of complex mechanical and plumbing systems for various types of projects including educational facilities involving both new construction and renovations. Ryan's responsibilities and experience have included serving as the primary point of contact for clients; survey and documentation of existing building systems and conditions; development of construction documents and coordination with architectural and structural elements; and ensuring compliance with ICC codes, ASHRAE standards, and other applicable requirements. Ryan's experience also includes the management and documentation of LEED credits as well as the maintenance and improvement of CAD, Revit, and mechanical department standards. He is proficient in AutoCAD MEP, Revit, MasterSpec, HAP, Trane Trace 700, and the Microsoft Office Suite.

Ryan's relevant project experience includes:

YEARS OF EXPERIENCE

- 16 Years

EDUCATION

- B.S., Mechanical Engineering, The Pennsylvania State University, 2004

REGISTRATIONS/ CERTIFICATIONS

- **WV, Professional Engineer, 2017**
- Registered Engineer in 8 Additional States
- LEED Accredited Professional Interior Design + Construction (LEED AP ID+C), 2013

AFFILIATIONS

- American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE)

Marshall University, Master Plan and Flight School at Yeager Airport, Charleston, WV

Maser Consulting P.A., Toms River Regional Schools, Toms River, NJ

- Facilities Conditions Assessment and Subsequent Renovations/Additions/Repairs
- Energy Savings Improvement Projects

Jones Lane Elementary School, Replacement of an Air-cooled Chiller and Associated Pumps, Gaithersburg, MD*

Renovations to 9 Buildings Across 2 Educational Campuses, Rowan College at Burlington County, Mt. Laurel & Mt. Holly, NJ

PA Turnpike Commission, Open-End Contract for A&E Services, Various, PA

- Bowmansville Maintenance Feasibility Study and Design Services, Bowmansville, PA
- Central Archive Facility Work, Middletown, PA
- Harrisburg West Interchange, Back Up Traffic Operations Facility, Interior renovations to existing 1,000 square feet garage building, Harrisburg, PA
- Mon-Fayette Expressway, New Jefferson Hills Warehouse, Canonsburg, PA

Teaching Strategies, Bethesda, MD*

- Approximately 23,000 SF across one floor. Spaces consisted of perimeter open offices and interior closed offices, a pantry, conference rooms, and a LAN room. Mechanical design included provision of new fan-powered VAV and a supplemental unit for the LAN room. This project was designed using Revit.

Amazon Web Services, Approximately 125,000 SF across 5-1/2 floors*

- Spaces consisted of open and closed offices, pantries, conference rooms, conferencing center & SCIF space. Multiple glycol-cooled supplemental AC units for various IT spaces.

Scitor HQ – Cyber Lab, Approximately 8,000 SF*

- Spaces consisted of closed offices, pantry, IT lab conference rooms and showcase server room. Coordinated design with vendor and tenant for incorporation of tenant provided IT equipment (IT racks with front and rear containment, in-row cooling, UPS, etc).

Boiler Replacement at 1441 L St*

- Replacement of dual fuel boilers with owner provided condensing boilers. Changed system from constant flow to variable flow. Coordinated with owner's controls contractor.

*Indicates project experience prior to joining L.R. Kimball



HERB OLDHAM

SENIOR MECHANICAL DESIGNER



Herb has 35 years of experience with HVAC design for a variety of project types including educational, correctional, sports, commercial, and healthcare facilities.

His experience involves systems design development and layout from conceptual to preliminary to final design documents, including cooling, heating, and humidification load calculations, indoor air quality compliance, equipment sizing and selection, equipment and ductwork layouts, pneumatic and direct digital control systems, and specifications. Herb is experienced in the use of the latest versions of AutoCAD and REVIT software from conceptual design to final design phases in both two-dimensional and three-dimensional formats. He utilizes computer software to model the energy use of each project to determine the optimal engineering solutions based on equipment types and utility costs. In addition, Herb has experience in on-site interface during construction. **Of special note, Herb has experience on 80+ K-12 projects.**

YEARS OF EXPERIENCE

- 35 Years

EDUCATION

- Bachelor of Science, Mechanical Engineering, University of Pittsburgh at Johnstown, 1986

Herb's relevant project experience includes:

Maser Consulting P.A., Toms River Regional Schools, Facilities Conditions Assessment and Subsequent Renovations/Additions/Repairs, Toms River, NJ

Bradford Area School District, Bradford, PA*

- Bradford Area High School – New Fitness Center Addition & Mechanical Power Design
- Fretz Middle School – ADA Toilet Room Renovations and Mechanical Power Design
- Blaisdell Elementary School – New Lighting System Design and Mechanical Power Design

Chartiers-Houston School District, Houston, PA*

- Chartiers-Houston High School – Complete Renovation of Existing Building and New Gymnasium Addition
- Allison Park Elementary School – Complete Renovation of Existing Building

East Allegheny School District, North Versailles, PA*

- East Allegheny High School – Mechanical Power Design and New Auditorium Dimming System
- Logan Middle School – Complete Mechanical Design for New Building

Ellwood City Area School District, Ellwood City, PA*

- Lincoln High School – New Mechanical Service Design and Renovations to Existing Music Wing and Admin Area
- Hart Elementary School – New Mechanical Power Design

Fairview School District, Fairview High School, Renovations to Existing Classroom Area, Fairview, PA*

Fox Chapel Area School District, Pittsburgh, PA*

- Fox Chapel Area High School – Complete Renovation of Existing Building
- Hartwood Elementary School – New Lighting and Mechanical Power Design

Ringgold School District, New Eagle, PA*

- Ringgold High School – Mechanical Power Design and New Auditorium Sound System
- Ringgold Elementary School South – Complete Renovation of Existing Building and New Classroom, Kitchen, and Cafeteria Addition
- Donora Elementary School – Complete Renovation of Existing Building
- Monongahela Elementary School – Complete Renovation of Existing Building

*Indicates project experience prior to joining L.R. Kimball



MICHAEL STILES, CPD

SENIOR PLUMBING / FIRE PROTECTION DESIGNER



Michael currently serves as a Senior Plumbing & Fire Protection Designer. He has over 21 years of experience in the design and preparation of working drawings for all types of plumbing/fire protection systems. Michael has extensive experience using AutoCAD and REVIT for plumbing and fire protection system layouts. Michael's experience also includes natural gas systems, stormwater piping and medical gas/vacuum piping. His project experience includes educational, correctional, commercial, office, public safety, industrial, manufacturing, transportation, judicial, municipal, and healthcare. Michael has also gained valuable experience in HVAC and electrical design, which has given him good coordination skills, not only with architects, but also with other engineering disciplines within L.R. Kimball.

YEARS OF EXPERIENCE

- 21 Years

EDUCATION

- A.A., Specialized Technology (Drafting and Design, York Technical Institute, 2000)

CERTIFICATION

- Certified Plumbing Designer (CPD)

A partial listing of Mike's relevant project experience includes:

Marshall University, Master Plan and Flight School at Yeager Airport, Charleston, WV

Maser Consulting P.A., Toms River Regional Schools, Facilities Conditions Assessment and Subsequent Renovations/Additions/Repairs, Toms River, NJ

Marshall University, Master Plan Options for Housing on the South Charleston Campus and Conceptual Building Designs to Accommodate a New Aviation Program at Yeager and Tri State Airports, WV

Confidential Higher Education Client, Facility Assessment, Pennsylvania

Pennsylvania State University, Multi-Sport Locker Room Feasibility Study, State College, PA

St. Mary's County, Adult Detention and Rehabilitation Center Addition and Renovations, Leonardtown, MD

Sheetz, Inc., Altoona, PA

- Distribution Center Renovations
- Finance Building Renovations
- Main Building Renovations
- On-Call Services
- Store 354 Renovations

Pennsylvania Department of General Services, PA State Police New Troop E Headquarters, Erie, PA

Pennsylvania Department of General Services, PA State Police New Headquarters, Erie, PA

Allegheny County Department of Public Works, New Warehouse, Pittsburgh, PA

Pennsylvania Turnpike Commission, Feasibility Study and Design Services for a New Warehouse, Jefferson Hills, Canonsburg, PA



CHRISTOPHER BOWERS, PE, SE*

SENIOR STRUCTURAL ENGINEER



Chris has over 20 years of experience as a Structural Engineer on a variety of projects including hangars and military and training facilities. He utilizes structural analysis and design software as well as AutoCAD and Revit in the drafting and production of drawings for structural systems for various types of facilities including educational and federal facilities.

Chris is a member of American Institute of Steel Construction; American Society of Civil Engineers; American Concrete Institute; Structural Engineers Association of Pennsylvania - Structural Engineering Emergency Response Committee Member; and PEMA Task Force 2, Company 5, Urban Search and Rescue, Structural Engineer.

YEARS WITH THE FIRM

- 20 Years

EDUCATION

- BS, Civil Engineering, The Pennsylvania State University, 2000

REGISTRATIONS / CERTIFICATIONS

- **WV, Professional Engineer, 2006**
- Registered Engineer in 13 Additional States
- Illinois, Licensed Structural Engineer, 2010 [*Licensed Structural Engineer (SE) in IL and NE Only]
- Nebraska, Licensed Structural Engineer, 2014 [*Licensed Structural Engineer (SE) in IL and NE Only]
- California, Safety Assessment Program Evaluator, 2014

PROFESSIONAL AFFILIATIONS

- American Institute of Steel Construction
- American Society of Civil Engineers
- Structural Engineers Association of Pennsylvania - Structural Engineering Emergency Response Committee Member
- PEMA Task Force 2, Company 5, Urban Search & Rescue, Structural Engineer

A partial listing of Chris' relevant project experience includes:

Marshall University, Master Plan and Flight School at Yeager Airport, Charleston, WV

Armstrong School District, Kittanning, PA

- New Junior-Senior High School
- New Stadium and Athletic Fields (Schematic Design through Construction Documents)
- Kittanning Jr./Sr. High School Additions/Alterations (Schematic Design through Construction Documents)

Central Cambria School District, Ebensburg, PA

- Cambria Elementary School Renovations/Additions
- High School Renovations/Additions

Central York School District, High School, York, PA

Bellwood-Antis School District, Varsity Baseball Field Bleacher Assessment/Repair, Bellwood, PA

Loyalsock Township School District, Williamsport, PA

- Donald E. Schick Elementary School Additions/Alterations
- Loyalsock Township Middle/High School Additions/Alterations

Meyersdale Area School District, Design Phase Services for High School Exterior Wall and Miscellaneous HVAC Renovations, Meyersdale, PA

Portage Area School District, Portage, PA

- Elementary School Renovations
- Portage Area Junior/Senior High School Additions/Alterations
- Football Stadium Improvements
- District-Wide Facility Study

School District of Philadelphia, Samuel Fels High School, Philadelphia, PA

Shade-Central City School District, Cairnbrook Elementary School Renovations/Additions, Cairnbrook, PA

State College Area School District, State College, PA

- High School Track Building (CD-CA)
- Projects Under Routine On-Call Services Contract
- Architectural and Engineering Design Services for High School Additions/Renovations
- 2005 and 2006 Memorial Field Precursory Bleacher Assessments
- Radio Park Elementary School Modular Classroom Installation (Phase II)
- Memorial Field Bleacher Upgrades
- Park Forest Middle School Gymnasium Upgrades

Twin Valley School District, Twin Valley Elementary Center, Elverson, PA

West Chester Area School District, E. N. Peirce Middle School Classroom Addition and Cafeteria Expansion, West Chester, PA



DAVID MCROBERTS, CPP SECURITY & OPERATIONS SPECIALIST



With a career in law enforcement and public safety, and past experience as a Jail Transition Team Leader and Jail Administrator, David's depth of experience is invaluable to our company.

For 24 years, David served the Kenosha County Sheriff's Department as a Deputy Sheriff, advancing through the ranks to Sergeant, Lieutenant, and finally Captain. The scope of his responsibilities included: Patrol Supervisor, Patrol Shift Commander, Jail Administrator, and Detentions Division Commander together with Unit Commander of the Kenosha Sheriff's Department Tactical Response Team (SWAT). David also served for two years as a Police Officer for the Village of Twin Lakes, WI.

Since 1985, David has been a Wisconsin State Certified Law Enforcement Instructor for the Department of Justice/Division of Training and Standards. He is a national trainer and has delivered a variety of training topics to thousands of law enforcement officers and protective service personnel as well as private citizens. He is also the author of many written contributions to various publications, periodicals, and professional journals nationwide.

For over 16 years, David has worked with L.R. Kimball as a Security and Operations Management expert. In this role, he serves as a liaison between our designers and our clients, ensuring that the design of the facility supports the client's operations in a safe, effective, and efficient manner.

Special career highlights include:

- Department Liaison/Project Manager and Transition Team Lead for a 600-bed detention facility design, development, construction, and operation
- Improved Public Safety developing best practice procedures and post orders in support of comprehensive detention system involving two facilities housing 1,000+ incarcerated persons in secure physical custody and specialty programs
- Directly handled all identification, qualification and liaison functions nationally for justice and public safety business opportunities ranging from \$3 Million to more than \$200 Million
- Improved profit developing and servicing complex projects in multiple regions across the nation
- Earned multiple awards and accolades, including: Distinguished Service Award – Veterans of Foreign Wars and Certificate of Merit – Kenosha County Sheriff's Department

YEARS OF EXPERIENCE

- 16 Years with L.R. Kimball

EDUCATION

- Gateway Technical College
- U.W. Wisconsin Parkside
- Wisconsin State Law Enforcement Training Academy
- Lakeland College
- Wisconsin State Patrol Academy

HIGHLIGHTED EXPERIENCE

- 28 Years in Law Enforcement & Public Safety – Captain, Lieutenant, Sergeant, Deputy & Tactical Team Commander, Jail Transition Team Leader, Programs Manager
- 15 Years of Experience as a Justice and Public Safety Client Liaison

CERTIFICATIONS

- Certified Protection Professional – International Board Certification by American Society of Industrial Security (ASIS)
- Adjunct Staff Instructor, Criminal Justice Program - Gateway Technical College
- Wisconsin State Certified Criminal Justice Instructor - Wisconsin Technical College System Board
- Practitioner for NIMS - Incident Command System
- CARVER – Federal Threat and Vulnerability Assessments
- Multiple Interview Assessments - Professional Judge and Review Examiner for professional consultants in delivering; background investigations, testing and screening of personnel

AFFILIATIONS

- International Association of Chiefs of Police (IACP)
- American Correctional Association (ACA)
- Society for Human Resource Management
- American Jail Association (AJA)
- American Society of Industrial Security (ASIS)
- National Sheriff's Association (NSA)
- International Law Enforcement Educators and Trainers Association (ILEETA) – Board Member / article contributions
- Correctional News – Advisory Board Member / article contributions

PUBLICATIONS

- *If I Knew Then 2, Warrior Reflections*, Edited by Brian R. Willis, Excerpt called "Learning Not to be Selfish"
- *American Blue, Real Stories by Real Cops*, Edited by Ed Nowicki, Excerpt called "An Express Elevator Ride into Hell"



GREG SCHROCK, PE, CPESC, CPSWPPP CIVIL ENGINEER



With over 26 years of experience, Greg specializes in various aspects of site development and municipal design. He is involved with the design of waterlines, sanitary sewers, pumping stations, and water systems. He is responsible for the design and coordination, project specifications, and permit acquisition for various land development projects.

He is also involved with the design of roadways, parking lots, site layout, stormwater management facilities and analysis, sanitary sewer systems, water distribution systems, and the preparation of contract documents.

Greg's stormwater management design experience includes hydrologic and hydraulic analysis, detention basin design, stormwater collection and conveyance system design, preparation of construction drawings, preparation of stormwater management reports including pre- and post-development runoff computations, routing of storm flows through proposed detention basins, and basin design computations. He is also involved with the preparation of erosion and sedimentation control plans including designing the construction documents, preparing NPDES permit applications, letters, erosion and sedimentation control reports, preparing construction sequences, and design computations for each erosion and sedimentation control device utilized.

With NPDES and stormwater plan submissions, Greg is involved with Best Management Practices and design, water quality devices, stormwater volume calculations, rain garden, and bioretention and infiltration systems that assist with the reduction of stormwater management peak flows and impact to the downstream waterways or systems. A partial listing of Greg's relevant project experience includes:

YEARS OF EXPERIENCE

- 26 Years

EDUCATION

- BS, Civil Engineering Technology, University of Pittsburgh, 1994

REGISTRATIONS/ CERTIFICATIONS

- WV, Professional Engineer, 2006
- Professional Engineer in Three Additional States
- Qualified Preparer of Stormwater Pollution Prevention Plans, No. 4251273
- Certified Professional in Erosion and Sediment Control, No. 5567

Danville Area School District, Danville, PA

- New Danville Middle School and Riverside Elementary School Renovation/Addition

Conneaut School District, Linesville Stadium Upgrades, Linesville, PA

Brownsville Area School District, District-Wide Study & New Elementary School, Brownsville, PA

Armstrong School District, Kittanning, PA

- New Junior High School
- Design Services for Stadium & Athletic Fields

Blairsville-Saltsburg School District, Blairsville, PA

- Saltsburg Middle-High School Renovations/Saltsburg Elementary School Addition

Central York School District, York, PA

- Middle School/Renovation Addition
- Sinking Springs Elementary School

French American School, Master Plan and Site Assessment, Princeton, NJ

Huntingdon Area School District, Huntingdon, PA

- High School Renovation/Addition; Jackson Miller Elementary School Addition/Alteration; and Standing Stone Elementary School

McKeesport Area School District, McKeesport, PA

- New Elementary School
- White Oak Elementary School Relocation

Meyersdale Area School District, Renovations & Additions, Meyersdale, PA

Rockwood Area School District, Sidewalk Project, Rockwood, PA



GEORGE KOPCHIK, PE, PMP, PLS

GEOSPATIAL SERVICES



YEARS OF EXPERIENCE

- 35 Years

EDUCATION

- Associate, Computer Aided Drafting and Design, Pittsburgh Technical Institute

REGISTRATIONS / CERTIFICATIONS

- FAA Remote Pilot Certification, 2019
- NC, Professional Land Surveyor, 1999
- SC, Professional Land Surveyor, 2003
- VA, Surveyor, 2010
- Photogrammetrist
- Certified Project Management Professional (PMP), #521453, 4/10/18

George's experience and education have provided him with the technical and management skills necessary for completing the most complex mapping projects. Over the past 35 years, George has had extensive experience in aerial photography, volume computations, digital orthophotos, GIS, and in producing topographic and planimetric maps. He is responsible for QA/QC activities including the checking and verification of planimetric and topographic maps, digital orthophotos, GIS projects, and stockpile inventories for numerous clients. Since joining L.R. Kimball, George has gained valuable knowledge in all phases of surveying, photogrammetric mapping, and GIS. He has been involved in planning, management, production, and delivery of many mapping projects undertaken by the firm. His knowledge, growth and diversity have moved him from his beginnings as a CAD Technician, to Project Manager, and then to Senior Project Manager. He served as an Assistant Operations Manager in the Geospatial Services Group and is currently the Director of Geospatial Services.

In summary, George has served in areas of mapping sciences such as project management, division operations, financial reports, budgets and estimates, technical and cost proposals, marketing, digital orthophotography, ArcInfo, KORK, Atlas, and Intergraph software, GIS applications, planning, and database design concepts, photogrammetry, surveying, data conversion, and stockpile inventories. George is also experienced in Microsoft Office.

George is experienced in managing the geospatial components of aviation related projects that require AGIS program specifications in accordance with Advisory Circulars 150/5300 -16A, -17C, and -18B.

A select list of his relevant experience includes:

Armstrong School District, New Junior High School, Kittanning, PA

Brownsville Area School District, New Elementary School, Brownsville, PA

Upper St. Clair School District, Boundary and Topographic Survey, Upper St. Clair, PA

Young Scholars of Western PA Charter School

- 2020 Surveying Phase 1 Services
- 2018 Field and Building PROjects
- 2016 Surveying Services

PA Department of General Services, New PA State Police Headquarters, Crime Lab, and Shooting Range, Erie, PA

Various Survey and Mapping Projects

- For over 35 years, George has worked on literally hundreds of surveying and mapping projects of various sizes and complexities. He served as the Project Manager for major projects like the Allegheny Energy TrAIL Project that consisted of surveying and mapping for the construction of a transmission line crossing four states. Currently his primary responsibility is to oversee the operations of the Geospatial team but he also manages projects as needed.

PA Department of Environmental Protection

- Project Manager for photogrammetric mapping and survey of 35 AMD sites for the PADEP.

Cambria County Final Design, SR 0022, Section 005, PADEP

- Aerial photography, surveying and mapping activities in support of the engineering necessary for improvements to the existing 2-3 lane section to 4-5 lanes with realignment where necessary



DAVID PETROSKY, RLA, ASLA

LANDSCAPE ARCHITECT



David has over 40 years of design experience on a variety of projects. He participates in all aspects of the site design procedure including client relations, marketing and proposals, meetings, project scheduling, layout and design, construction details, cost estimates, specifications, bidding, contract administration, and inspection. He has assisted in site assessments, completed conceptual and preliminary plans, and produced final site and landscape plans. He is also very familiar with ADA requirements.

David received a copyright for a landscape program, EZ-Plant™. He devised this software for the industry and currently uses it for his projects. The program consists of databases of plants, symbols, and schedules and adds the plant quantities shown on the landscape plan. The software then tallies the total to produce final costs that greatly increases productivity through AutoCAD. He updated and revised the program in 2007 to work with an Excel spreadsheet database and in 2009 to include native and adaptive plants for the sustainable site initiative.

David's relevant project experience includes:

Yeager Airport, Various Projects, Charleston, WV

Altoona Area School District, Athletic Field Improvements, Altoona, PA

Bellefonte Area School District, Middle School Renovation/Addition, Bellefonte, PA

Central Cambria School District, Athletic Fields Master Plan, Ebensburg, PA

Central York School District, York PA

- New High School
- Middle School Renovation/Addition
- Sinking Springs Elementary School

Cambria County Redevelopment Authority, Cambria Township Park, Ebensburg, PA

Cambria County Conservation Authority, Cambria County, PA

- Path of the Flood Trail Links Feasibility Study

Carnegie Mellon University, Pittsburgh, PA

- Junction Hollow Athletic Fields Feasibility Study

Meyersdale Area School District, Renovations/Additions to Elementary, Middle, and High Schools, Meyersdale, PA

Ebensburg Municipal Authority, Ebensburg, PA

- Community Center Development Plans

Indiana County Board of Commissioners, Indiana, PA

- Hoodlebug Trail Extension Consulting Services

Indiana County Office of Planning & Development, Indiana, PA

- Indiana County Regional Trail Connectivity Study

White Township Municipal Authority, Indiana, PA

- White Township Recreation Complex

City of Pittsburgh, Pittsburgh, PA

- North Shore of the Ohio River Trail

YEARS OF EXPERIENCE

- 40 Years

EDUCATION

- BA, Landscape Architecture, West Virginia University, 1978

REGISTRATIONS / CERTIFICATIONS

- PA, Landscape Architect, 1997
- NJ, Landscape Architect, 2015

AFFILIATIONS

- American Society of Landscape Architects
- Open Committee on Computing, American Society of Landscape Architects
- Green Building Alliance, Laurel Highlands Group
- Board of Directors, Natural Diversity



SKELLY AND LOY

A Terracon COMPANY

SEAN R. JAMES, Environmental Technician

EDUCATION

A.S., Multimedia Technology,
Pittsburgh Technical Institute,
2004

PROFESSIONAL REGISTRATIONS AND CERTIFICATIONS

Air and Waste Management
Association

U. S. EPA Certified Asbestos
Building Inspector, WV and
PA

Asbestos Air Clearance
Monitor, WV

U.S. EPA Certified Asbestos
Management Planner, PA

Asbestos Building Inspector
Refresher Training

Management Planner
Refresher Training

OSHA HAZWOPER/40HR

Asbestos Hazard Evaluation
Specialist, OH

YEARS OF EXPERIENCE

14 Years

Mr. James serves as an Environmental Specialist for the Geo-Environmental Service Group. He has experience in environmental hazards inspections, asbestos abatement oversight, lead based paint sampling, and soil and water testing for disposal. Mr. James also has experience in operating monitoring and extracting equipment including pH water sampler; AHERA, indoor air quality testing and identifying mold migration, and other indoor air hazards; providing preliminary and final reports with interpretation of analytical recommendations; and verifying input data to ensure accuracy of completed work and reviewed edits for errors during processing.

PROFESSIONAL EXPERIENCE

WV Division of Highways, Hardy County and Morgantown, West Virginia Inspections - Mr. James was the Environmental Specialist that performed inspection services for multiple parcels for the West Virginia Department of Transportation, Division of Highways. Work included inspection, sample and photo documentation, maps, and final report writing.

West Virginia University, Morgantown, West Virginia - Mr. James was the Environmental Specialist that performed asbestos abatement oversight, air monitoring and clearance sampling work at the Health Science Center at West Virginia University. Work included documenting compliance with Federal and West Virginia regulations during asbestos abatement work activities, and clearance sampling at the conclusion of the project.

Youth Services System, Inc., Wheeling, West Virginia - Mr. James was the on-site Environmental Specialist who performed asbestos abatement oversight and air monitoring, hazardous materials abatement oversight including mercury-containing fluorescent lamps, fluorescent tubes, light ballasts containing PCBs; and final clearance inspections and clearance sampling of work areas following remediation activities.

Bayer Material Science, LLC, New Martinsville, West Virginia - Mr. James served as an Environmental Technician who performed an asbestos assessment of Thermal System Insulation (TSI) for the Polyol Department at the Bayer facility in New Martinsville, West Virginia. The assessment included bulk sampling, physical assessment of the TSI, abatement cost estimates, a final report, and an Asbestos Management System (Microsoft Access Database) which provided data handling, manipulation of the information, and the ability to estimate abatement cost, manage future inspections, and track asbestos-containing material conditions.

PennDOT Agency Wide Environmental Consulting and Remediation Services, Western Pennsylvania - Mr. James has performed multiple inspection and oversight services for asbestos and hazardous materials, including lead-based paint; PCBs; mercury-containing fluorescent lamps, thermostats, and equipment; fluorescent tubes; CFCs; NiCad and lead-acid batteries; and various oils. Work included mold assessment and air clearance sampling, asbestos abatement and air clearance monitoring, developing reports and including homogenous area maps and sample locations and quantities, and verification of remediation activities with applicable federal and state regulations.

NATHANIEL J. RUHL,
Environmental Technician - Industrial Hygiene/Due Diligence



SKELLY AND LOY
A Terracon COMPANY

EDUCATION:

Studied Engineering, Computer Science, and Psychology, The Pennsylvania State University, 2004-2009

PROFESSIONAL REGISTRATIONS AND CERTIFICATIONS:

U.S. EPA Asbestos Inspector, WV, PA, IN

U.S. EPA Asbestos Supervisor and Management Planner, PA

U.S. EPA Certified Lead Inspector, PA

Ohio Department of Health Certified Asbestos Hazard Evaluation Specialist

OSHA HAZWOPER/40HR

YEARS OF EXPERIENCE:
7 Years

Mr. Ruhl serves as an Environmental Technician for the Geo-Environmental Service Group. His responsibilities are focused on environmental site assessments (ESAs), asbestos inspections, asbestos air clearance monitoring, and sample collection.

PROFESSIONAL EXPERIENCE

Asbestos Inspections - Mr. Ruhl is a licensed Pennsylvania asbestos inspector. He has performed several asbestos inspections for public and private sector clients in the Pittsburgh area. His responsibilities have included identifying and sampling possible asbestos containing materials (ACMs), logging bulk samples, documenting site conditions, maintaining chain of custody forms, and compiling result reports. He has conducted inspections for various properties in Western Pennsylvania.

Lead Based Paint Inspections - Mr. Ruhl has performed several inspections for lead based paint. His responsibilities include collecting and logging bulk samples, documenting site conditions, maintaining chain of custody forms, and compiling result reports. He conducted several inspections for the Pennsylvania Department of Transportation.

Hazardous Materials Inspections - Mr. Ruhl has performed several regulated hazardous materials surveys. His responsibilities include the identification of possibly regulated environmental materials, documentation of the materials location, and compiling result reports. He has conducted inspections for various properties in Western Pennsylvania

Groundwater and Soil Sampling - Mr. Ruhl has been involved in projects requiring groundwater and soil sampling. He has conducted groundwater sampling and Geo-Probe soiling for the Pennsylvania Department of Transportation.

Remediation - Mr. Ruhl has performed a variety of waste management and remediation projects for the Pennsylvania Department of Transportation and private clients. Work includes asbestos and lead inspections and abatement oversight and contaminated soil removal and disposal.

PROJECT EXPERIENCE

Asbestos Building Inspections for Buildings Slated for Demolition in Various Areas of the City of Pittsburgh, Allegheny County, Pennsylvania - Mr. Ruhl conducted the inspections of seventeen buildings in the East Liberty, Homewood, and Hill District sections of Pittsburgh. Suspected asbestos containing materials were sampled, logged, and sent for analysis. Upon receiving the results, Mr. Ruhl developed final reports that detailed asbestos quantities to be used for abatement.

PennDOT Environmental Remediation Services, Statewide, Pennsylvania - Mr. Ruhl serves as an environmental technician of a western PA environmental remediation contract for PennDOT. Services provided include Phase I/Phase II Environmental Assessments (ESAs), soil groundwater, and waste characterization, site remediation, asbestos and lead paint inspections and abatement, storage tank management, removal, and remediation, hazardous waste management, health and safety monitoring, investigation derived waste management, field operations oversight and documentation, construction monitoring, and geophysical investigations to support highway and bridge construction, renovation, and replacement.



MARK GILLIS CTS-D

Principal Consultant

Mark's extensive technical experience – from systems designer, systems contractor, technical director and operations manager – provides a fertile foundation for crafting innovative, practical systems. Gillis honed his remarkable skill for producing cutting-edge technology-intensive spaces for large venue events while Director of Audio Productions for Ringling Bros. Barnum and Bailey's world-wide circus, and 300-city tours of Disney on Ice. Now, having designed systems and installations in virtually every large venue in North America, Mark leads projects for sports & recreation, higher education, entertainment and corporate facilities and spaces.

ENGINEERING & TECHNOLOGY

Pittsburgh, PA
 mark.gillis@nv5.com
 412.301.4209

EDUCATION

University of Arizona Tucson,
 Architectural Studies

EXPERIENCE

39 years

REGISTRATIONS

Certified Technology Specialist - Design (CTS-D) by AVIXA, the highest level of certification in the audiovisual industry

AFFILIATIONS

Audiovisual and Integrated Experience Association (AVIXA)

Project Experience

KEMPS LANDING MAGNET SCHOOL

THE NEW SCHOOL FOR OLD DONATION CENTER AND KEMPS LANDING MIDDLE SCHOOL

Virginia Beach, VA

CENTRAL CATHOLIC HIGH SCHOOL

TECHNOLOGY REVIEW / VISIONING

Pittsburgh, PA

CARNEGIE MELLON UNIVERSITY

UNIVERSITY CENTER STUDENT CENTER & ADMINISTRATIVE SPACE

Pittsburgh, PA

UNIVERSITY OF THE DISTRICT OF COLUMBIA

NEW STUDENT CENTER

Washington, DC

GEORGE MASON UNIVERSITY

PETERSON FAMILY HEALTH SCIENCES HALL, INCLUDING TEACHING LABS AND ADMINISTRATIVE SPACES

Fairfax, VA

ARKANSAS TECH UNIVERSITY

STUDENT UNION & RECREATION CENTER

Russellville, AR

SHAWNEE STATE UNIVERSITY

UNIVERSITY CENTER STUDENT CENTER

Portsmouth, OH

TIDEWATER COMMUNITY COLLEGE

BAYSIDE BUILDING, INCLUDING ADMINISTRATIVE SPACES

Chesapeake, VA

PENNSYLVANIA STATE UNIVERSITY

HUMAN RESOURCES DEPARTMENT

State College, PA

MEDICAL UNIVERSITY OF SOUTH CAROLINA

SCIENCE BUILDING WITH TEACHING LABS AND ADMINISTRATIVE SPACE

Charleston, SC

UNIONTOWN HIGH SCHOOL

AUDITORIUM RENOVATION

Uniontown, PA

RED CLAY CONSOLIDATED SCHOOL DISTRICT

CAB CALLOWAY SCHOOL OF THE ARTS

Wilmington, DE

Projects may have been done as The Sextant Group, which rebranded to NV5 in 2020.



ACOUSTICS | ENGINEERING & TECHNOLOGY

Pittsburgh, PA
 greg.coudriet@nv5.com
 412.301.4202

EDUCATION

Boston University,
 MS Mechanical Engineering,
 Acoustics

University of Hartford,
 BS Engineering, Acoustics & Music

EXPERIENCE

16 years

REGISTRATIONS

Institute of Noise Control
 Engineering of the USA (INCE-USA)
 Board Certified 2017

LEED Accredited Professional,
 Building Design & Construction
 (LEED AP BD+C)

AFFILIATIONS

Institute of Noise Control
 Engineering of the USA (INCE-USA)

Acoustical Society of America (ASA)

Projects may have been done as The Sextant Group, which rebranded to NV5 in 2020.

GREG COUDRIET INCE BD. CERT, LEED AP BC+C

Principal Consultant

As a respected leader and mentor, Greg offers a wealth of experience in acoustical design, testing, and modeling. He directs a team of experienced acoustic designers across the US who deliver hundreds of projects on-time and in-budget. With a focus on the design and construction of high-performance, healthful, affordable, and sustainable facilities, Greg and his team create innovative and practical solutions to address each project's unique challenges.

Project Experience

CLEVELAND MUNICIPAL SCHOOL DISTRICT

JFK HIGH SCHOOL

CAMPUS INTERNATIONAL SCHOOL

SKYLINE ELEMENTARY SCHOOL

WHITNEY YOUNG PK-8 SCHOOL

Cleveland, OH

CLEVELAND HEIGHTS / UNIVERSITY HEIGHTS SCHOOL DISTRICT

CLEVELAND HEIGHTS HIGH SCHOOL

ROXBORO MIDDLE SCHOOL

MONTICELLO MIDDLE SCHOOL

Cleveland, OH

TOWSON UNIVERSITY

UNIVERSITY UNION STUDENT CENTER

Towson, MD

CARLOW UNIVERSITY

GRACE LIBRARY, INCLUDING STUDENT CENTER AND ADMINISTRATIVE SPACES

Pittsburgh, PA

GEORGE MASON UNIVERSITY

PETERSON FAMILY HEALTH SCIENCES HALL, INCLUDING TEACHING LABS AND ADMINISTRATIVE SPACES

Fairfax, VA

CARDINAL WUERL NORTH CATHOLIC HIGH SCHOOL

NEW HIGH SCHOOL

Cranberry Township, PA

PETERS TOWNSHIP SCHOOL DISTRICT

NEW HIGH SCHOOL

McMurray, PA

UPPER ARLINGTON SCHOOL DISTRICT

NEW HIGH SCHOOL

Upper Arlington, OH

UNIVERSITY OF MARYLAND

SMC CAMPUS CENTER, INCLUDING ADMINISTRATIVE SPACES

Baltimore, MD

UNIVERSITY OF THE DISTRICT OF COLUMBIA

NEW STUDENT CENTER

Washington, DC

THE COLLEGE OF WILLIAM & MARY

INTEGRATED SCIENCE CENTER 3

Williamsburg, VA

STAFF CERTIFICATIONS



West Virginia Board of Architects
The registry

glarrow

Credential:

ALL A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Name	Credential ID	Expiration Status	Renewal Date	Expiration date
GLARROW DIANE	4454	Not Expired	2020-06-10	2021-06-30

Name:	DAVID A. RISPOLI
WV Professional Engineer:	PE License Number: [REDACTED]
	PE License Status: Active
	PE Issue Date: 12/15/1997
	PE Expiration Date: 12/31/2022

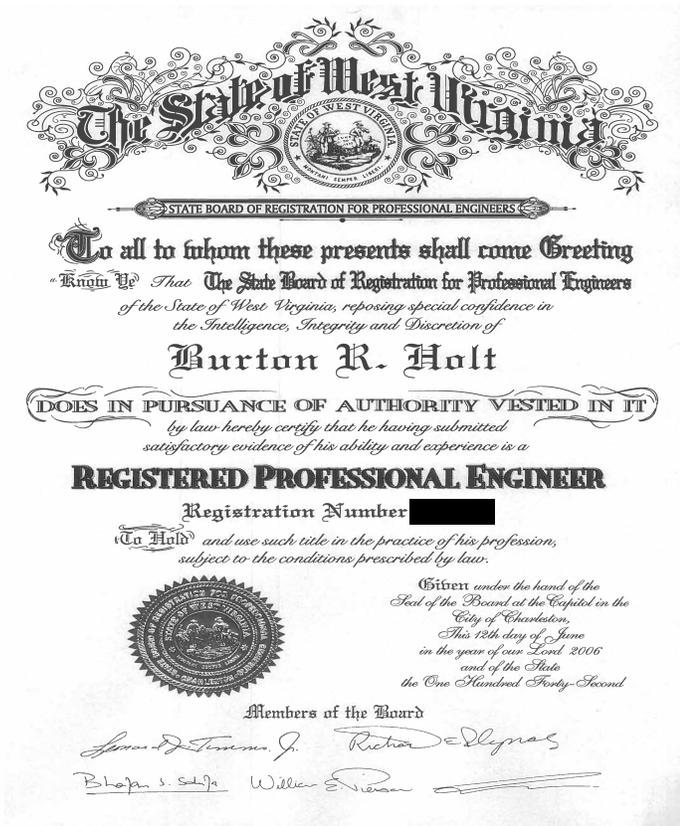
Name:	RYAN BRETT MEITZLER
WV Professional Engineer:	PE License Number: [REDACTED]
	PE License Status: Active
	PE Issue Date: 10/10/2017
	PE Expiration Date: 12/31/2022

Name:	BRAD STEVEN BLICKENDERFER
WV Professional Engineer:	PE License Number: [REDACTED]
	PE License Status: Active
	PE Issue Date: 10/29/2012
	PE Expiration Date: 12/31/2022

Name:	GREGORY L. SCHROCK
WV Professional Engineer:	PE License Number: [REDACTED]
	PE License Status: Active
	PE Issue Date: 12/05/2006
	PE Expiration Date: 12/31/2022

Name:	CHRISTOPHER M. BOWERS
WV Professional Engineer:	PE License Number: [REDACTED]
	PE License Status: Active
	PE Issue Date: 12/28/2006
	PE Expiration Date: 12/31/2022

STAFF CERTIFICATIONS




BUREAU OF PROFESSIONAL AND OCCUPATIONAL AFFAIRS
P. O. Box 2649
Harrisburg, PA 17105-2649
02/09/2021

License Information

JAMES RICHARD THOMPSON
Harrisburg, Pennsylvania 17104

Board/Commission:	State Architects Licensure Board	Status Effective Date:	07/03/2017
License Type:	Registered Architect	Issue Date:	10/06/1988
Specialty Type:		Expiration Date:	06/30/2021
License Number:	[REDACTED]	Last Renewal:	06/30/2019
Status:	Active		

Disciplinary Action Details

No disciplinary actions were found for this license.

This site is considered a primary source for verification of license credentials provided by the Pennsylvania Department of State.

License Information

ROBERT CLEMENT DUMAN
Ebensburg, Pennsylvania 15931

Board/Commission:	Engineers ⓘ	Status Effective Date:	10/17/2013
License Type:	Professional Engineer	Issue Date:	6/8/2004
Specialty Type:		Expiration Date:	9/30/2021
License Number:	[REDACTED]	Last Renewal:	7/25/2019
Status:	Active		

Disciplinary Action Details

No disciplinary actions were found for this license.



CERTIFIED TECHNOLOGY SPECIALIST Design

Mark Gillis

has been examined and has demonstrated competence in all technical aspects of a Certified Technology Specialist™-Design, has met the requirements of the AVIXA independent Certification Committee necessary for professional competency, is in good standing in the Directory of Certified Technology Specialists, has agreed to abide by the CTS Code of Ethics and Conduct, and is therefore entitled to use the name Certified Technology Specialist-Design and the CTS®-D designation.

Effective Date
January 07, 2005
Date of Expiration
January 31, 2023
Certification Number
2094465

Luke Jordan, CTS-1
Chair, AVIXA Independent
Certification Committee



The AVIXA Certified Technology Specialist certification is accredited by the American National Standards Institute (ANSI) under the International Standard ISO/IEC 17024:2012 Standard General Requirements for Bodies Operating Certification Schemes of Persons program.



The Institute of Noise Control Engineering
of the United States of America, Inc.

in recognition of
professional standing and contributions
attests that

Gregory A Coudriet

a Member of the Institute is
Board Certified
in Noise Control Engineering

For the Board the Directors

President

Secretary

17013



October 2017



GREEN BUSINESS CERTIFICATION INC. CERTIFIES THAT

Greg Coudriet

HAS ATTAINED THE DESIGNATION OF

LEED AP® Building Design + Construction

by demonstrating the knowledge and understanding of
green building practices and principles needed to
support the use of the LEED® green building program.

CREDENTIAL ID

29 DEC 2009

ISSUED

26 MAR 2022

VALID THROUGH

MAHESH RAMAMUJAM
PRESIDENT & CEO, U.S. GREEN BUILDING COUNCIL
PRESIDENT & CEO, GREEN BUSINESS CERTIFICATION INC.

CERTIFICATE OF *Authorization*

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

*The West Virginia State Board of Registration for Professional Engineers
having verified the person in responsible charge is registered in
West Virginia as a professional engineer for the noted firm, hereby certifies*

**CDI-INFRASTRUCTURE, LLC DBA L. R. KIMBALL
C03828-00**

Engineer in Responsible Charge: RICHARD E. GENDAY - WV PE 013348

*has complied with section §30-13-17 of the West Virginia Code governing
the issuance of a Certificate of Authorization. The Board hereby notifies you of its
certification with issuance of this Certification of Authorization for the period of:*

January 1, 2020 - December 31, 2021

providing for the practice of engineering services in the State of West Virginia.

IF YOU ARE REQUIRED TO REGISTER WITH THE SECRETARY OF STATE'S OFFICE,
PLEASE SUBMIT THIS CERTIFICATE WITH YOUR APPLICATION.



IN TESTIMONY WHEREOF, THE WEST VIRGINIA STATE BOARD OF
REGISTRATION FOR PROFESSIONAL ENGINEERS HAS ISSUED THIS COA
UNDER ITS SEAL, AND SIGNED BY THE PRESIDENT OF SAID BOARD.

BOARD PRESIDENT



2.0 APPROACH & METHODOLOGY



Photo Credit: WVSDDB Facebook Page

Planning & Design Approach

Kickoff Meeting

We conduct a scheduling session at a kickoff meeting of key personnel for West Virginia School for the Deaf and the Blind (WVSDDB), LR Kimball, NV5 (AV technology consultant), and Skelly and Loy (Environmental Consultant). Together, we identify major milestones, approvals, and presentations throughout the project. WVSDDB presents their project goals. The team establishes lines of communication for the duration of the Study.

We propose monthly project management meetings for the duration of the project to establish a rhythm of communication and decision making. Often, our monthly meetings can be coupled with other on-site activities and help WVSDDB administrators and stakeholders of your choosing in planning their facility study participation.

CEFP Verification and Validation

Our planning and design team will verify and validate the details of the *Executive Summary of WBSDB's 2020-2030 Comprehensive Educational Facilities Plan (CEFP)*:

- Field-verify WVSDDB campus site and educational facility condition assessments – by L.R. Kimball
- Analyze proposed future enrollments – by James R Thompson AIA in collaboration with WVSDDB administrators
- Assess educational programming (including building-by-building capacity analyses) – by James R Thompson AIA
- Explore WVSDDB pre-schematic design options for each proposed project building, including campus master plan options - by James R Thompson AIA and L.R. Kimball in collaboration with WVSDDB Administrators.
- Build consensus with WVSDDB stakeholders of your choosing.

Building and Site Condition Assessments:

We review and confirm existing data, included in the Executive Summary of the 2020-2030 Comprehensive Educational Facilities Plan. Our veteran architectural, site and mechanical/electrical engineering teams conduct on-site observations to field-verify the condition of all building components and systems.

LR Kimball initiates a dialogue with the WVSDDB building maintenance staff, the experts on your existing buildings and systems. Maintenance staff can identify chronic, hidden problems (in utility lines, boilers, and chillers, for example). Custodians often receive valuable direct feedback from faculty and staff on the performance of automatic temperature controls.

Our building and site assessments identify possible code violations, barriers to accessibility, and opportunities for

improved energy efficiency. Our campus site assessment will include a campus safety and security assessment, applying Crime Prevention Through Environmental Design (CPTED) concepts. Our school facility assessment will include an interior safety and security assessment.

At the end of our field verifications, we will review proposed remediations with our independent cost consultant, Trophy Point, to confirm adherence to WVSDDB budgetary limitations. We will analyze construction phase logistics required to achieve individual project timelines spelled out in the Executive Summary of the 2020-2030 Comprehensive Educational Facilities Plan.

Trophy Point's Cost Estimating Approach: While capable of supporting projects from inception to completion, Trophy Point offers stand-alone, independent construction cost estimating services built upon several decades worth of experience.

Trophy Point will leverage these capabilities for budget verification, scope development, proforma inputs, and to ensure alignment of stakeholder interests on a project. Trophy Point takes a structured approach to estimating and focuses on an understanding of:

- Stakeholders of a project and their goals
- Market forces in a given region and what is driving the competitive dynamics of the construction industry and individual trades
- Obstacles of a design and the resulting construction.

To support Trophy Point's estimating approach, they employ the use of On-Screen Takeoff for Quantity Takeoffs. Final takeoffs are spot-checked by a Senior Estimator by hand to ensure quality is maintained. Trophy Point's pricing is based upon a proprietary cost database. Their material and labor pricing are region-specific to these projects, in consideration of market forces. The cost database uses a combination of both lagging and leading factors. Trophy Point collects and analyzes bid results by trade to ensure that their database remains accurate. The leading factors used by Trophy Point in maintaining their database are proprietary in nature but involve a multi-faceted approach that consists of sub-contractor feedback, Department of Labor information, and the monitoring of commodity markets. To ensure quality is maintained, each estimate is reviewed by a Vice President / Senior Estimator and our President / Principal. The combined experience of the individuals who fill these roles on any given projects ensures that over 50 years of estimating experience support the most effective quality review possible.

Trophy Point's approach to cost modeling early in a project enables the team to provide Architects and Engineers with guidance for bounding their scope and making the most effective design decisions to maintain WVSDDB's budget.

Proposed Enrollment: The current total enrollment at WVSDDB is 103 students, reported in the Executive Summary of the 2020-2030 Comprehensive Educational Facilities Plan. We will collect and analyze historic enrollment and demographic data by age grouping and program participation. Our educational facility planner will collaborate with WVSDDB administrators to validate

projected enrollment by age grouping and proposed educational program offerings.

Educational Programming Assessment: We will validate WVSDDB educational program descriptions found in the Executive Summary of the 2020-2030 Comprehensive Educational Facilities Plan with School Administrators to verify stated requirements. Educational programming includes campus site programming: identifying outdoor learning opportunities, recreation, athletics, parking, loading, service, and child-safe traffic needs.

NV5, our AV Technology and acoustical consultant, will meet with the WVSDDB Technology Coordinator and Director of Outreach to review projected tele/data, and digital infrastructure needs. NV5 will offer state-of-the-art perspectives on trends in educational technology for vision- and hearing-impaired students. We rely on NV5 for recommendations on acoustic performance in proposed learning and living spaces. In their recent work for Gallaudet University, NV5 followed the innovative DeafSpace Guidelines to control unwanted vibration and air-borne noise.

Cochlear implant students require specialized testing and adjustment, requiring sound isolation testing and adjustment space. We will explore the potential for revenue streams from private insurers for these types of clinical services provided to students, or ongoing services offered to alumni.



Photo Credit: WVSDDB Facebook Page

We conduct assessments of individual learning spaces to evaluate their suitability for intended use by meeting with building Principals. We will gain specific understanding of special program requirements (including specialty educational technology needs) from dialogue with WVSDS curriculum, special education, and pupil support personnel. Our educational facility planner and Architect meet in focus group sessions with faculty, staff, or administrators for each educational, recreational, and residential program area. The documentation of these focus group meetings becomes the roadmap for subsequent architectural design.

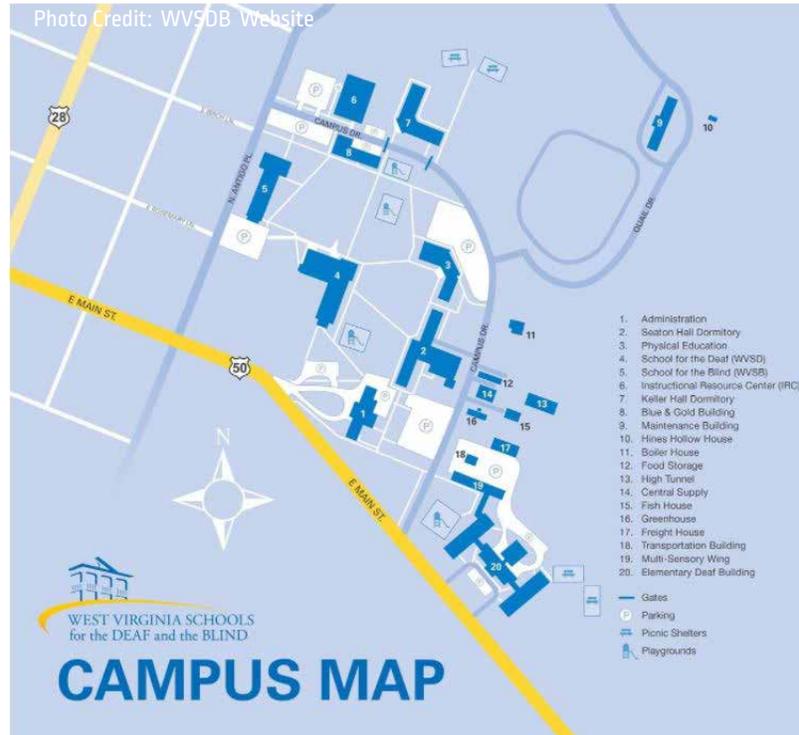
Increasingly, specialty schools like WVSDS receive students with vision- or hearing impairment as the primary disability and other secondary disabilities, like mild autism, apraxia childhood, cerebral palsy, or other complications. We will collaborate with WVSDS to program spaces to best accommodate multiple-disability students.

We will explore changing needs for family programming. For example, with the advent of otoacoustic emission testing, profoundly deaf children can be diagnosed within one month of birth. Prior to their first birthday, these infants might already have hearing aids and an educational program plan. In response, schools for hearing-impaired infants offer week-long sessions for age-appropriate learning. Families that travel far-distance for these week-long sessions require lodging.

We identify the student capacity of the existing school buildings based on the proposed program offerings. Whereas physical condition assessments can best be conducted while the school is vacant, we conduct educational programming assessments during hours of school operation, where possible.

Exploration of WVSDS Pre-schematic Options: We explore pre-schematic design options for each proposed design project with WVSDS administrators. Key among the many decisions is adherence to a fiscally-prudent budget. Each option includes an updated cost estimate prepared by our independent cost consultant, Trophy Point. We will explore multiple options, including campus site plans, building floor plans and elevations, design narratives, cost estimates, and construction phase implementation logistic analyses.

Based on critical feedback from administrators, we present options to the WVSDS stakeholders of your choosing. Our collaborative methodology features techniques to give stakeholders a voice (for example, trusted advisors, major funders, community leaders, or alumni) without WVSDS relinquishing control of decision-making. We will prepare graphic materials suitable for use by WVSDS capital development administrators to seek private funding, where possible. We will prepare a summary presentation and documentation of the WVSDS's chosen options.



WVSDB Campus and Facility Testing

We identify potential cost-driver construction issues with analyses, which might include:

- Campus land-survey
- Geotechnical analyses for soil bearing and drainage characteristics
- Environmental analyses to identify and plan for hazardous existing materials (e.g. asbestos or lead-based paint)

Campus Land-survey: The existing IRC parking lot is currently a gravel parking lot. A new paved parking lot is being proposed with the renovation and assessment projects. Initially, L.R. Kimball will visit the project site and evaluate the existing parking lot conditions, configuration, and layout. We will perform a topographical and utility survey of the area to develop a base plan to utilize for the site construction documents.

Geotechnical Analyses: We will propose a geotechnical investigation to evaluate subsurface conditions and provide pavement section recommendations.

Once the initial evaluation and base are completed, we will work with the school to develop a parking lot configuration that meets their parking number, orientation, sidewalks, lighting, and accessibility needs. We will also evaluate any larger truck traffic that may utilize the parking for proper ingress and egress access. As we are developing the parking lot, we will also evaluate any regulatory ordinances, codes, or regulations and prepare submission packages for review.

After the parking lot configuration is determined, we will prepare grading plans for ADA accessibility and drainage and prepare a Stormwater Management plan and facilities to accommodate the increase in impervious area. We will also prepare construction documents and specifications for construction and include an erosion and sedimentation control plan to protect the downstream waterways.

Asbestos and Hazardous Inspection and Sampling:

Skelly and Loy will provide licensed West Virginia Asbestos Inspectors to collect samples of materials suspected of containing asbestos in compliance with West Virginia 64CSR63 and Chapter 16, Article 32 regulations. Skelly and Loy will collect representative samples of the suspect asbestos-containing materials (ACM), adhering to the Environmental Protection Agency (EPA) random sampling protocol.

Sampling locations will be recorded on field data sheets. All suspect ACM will be segregated into homogeneous areas. If the first sample of a homogenous area has a result greater than 1 percent asbestos, no further analysis will be performed on samples from that homogeneous area. Samples will be analyzed using Polarized Light Microscopy (PLM). Any sample analyzed, that contains less than 10 percent asbestos, will be PLM point counted. PLM point counting is a more precise method for determining the asbestos content in materials exhibiting

low percentages of asbestos under PLM analysis. All samples will be analyzed by a laboratory having National Voluntary Laboratory Accreditation Program (NVLAP) and the New York State Department of Health approved Environmental Laboratory Approval Program (ELAP) for the analysis of asbestos in bulk samples. Batta Laboratory of Newark, DE will be utilized for this project.

At the conclusion of the asbestos inspection and sampling, Skelly and Loy will prepare a report detailing the locations, quantities, types of all identified ACM, along with cost estimates for abatement. The report will be reviewed by a Certified Industrial Hygienist (CIH), and will serve as formal documentation for permanent records of the asbestos inspections.

Building Walk-Through: The first step in performing a comprehensive building assessment is for the inspection team to perform a walk-through of Dining Area that is planned for renovations. This walk-through will include:

- A visual assessment of the area.
- Note all suspect ACM on an area basis and categorize the suspect ACM into one of three categories:
 - Surfacing – including but not limited to wall, ceiling, decorative, and acoustical plasters, and sprayed on or troweled on fireproofing and exterior stuccos, etc.
 - Thermal System Insulation (TSI) – including but not limited to pipe and fitting insulation, duct insulation and duct seam tape, boiler and boiler flue insulation and packing, and incinerator, furnace and tank insulation, etc.
 - Miscellaneous Materials – including but not limited to, drywall and joint compound, floor tile and mastic, floor sheeting and mastic, cove base and mastic, ceiling tile and mastic, cement asbestos pipe, siding, wallboard and ceiling tile, asbestos siding, boiler gaskets, fire brick, window caulking and glazing, etc.

Effectively manage the identification of homogeneous areas and reduce the number of samples collected for surface and miscellaneous suspect materials that occur in significant quantities.

Preparation of the ACM Sampling Scheme: After documenting suspect asbestos-containing materials in each building, by category, and location, a distinct homogeneous area (HA) number for each separate material will be assigned. For materials of similar visual appearance, distinctions will be made based on size, color, texture and differing ages of the material.

Examples:	Floor Tile	HA – 01
	Mastic on Floor Tile	HA – 02
	Ceiling Tile	HA – 03
	Mastic on Ceiling Tile	HA – 04
	Drywall	HA – 05
	Drywall Joint Compound	HA – 06

Field observations might conclude that similar building materials exist in both buildings (i.e., floor tile ceiling tile, etc.). Similar materials will be sampled on a per building basis without regard to their existence in the other building.

Once homogeneous areas designations have been assigned, the inspectors will determine the surfacing and miscellaneous materials that occur in significant quantities, and identify the number of samples required for each homogeneous area category, to be sampled, as follows;

Surfacing

Less than 1,000 square feet:

Collect 3 samples

Between 1,000 and 5,000 square feet: Collect 5 samples

Greater than 5,000 square feet: Collect 7 samples

[9 or more samples might be collected from surfacing materials observed in quantities greater than 10,000 square feet]

Thermal System Insulation (TSI): A minimum of three samples will be collected for each homogeneous area [e.g., cementitious block insulation, corrugated paper insulation, layered paper insulation, pipe fitting insulation, etc.]. For patches of less than six square or linear feet, a minimum of one sample will be collected.

The Asbestos Hazard Emergency Response Act (AHERA) regulations state that miscellaneous materials will be sampled in a manner sufficient to determine whether the material is an ACM or not ACM. Common industry standard and Skelly and Loy standard practice is to sample miscellaneous materials similar to TSI; three samples collected for each homogeneous area, and one sample collected for patch materials of less than six square or linear feet.

Analysis of Building Material Samples: Samples collected will be analyzed by PLM per 40 CFR 763. All sampled ACM will be grouped by homogeneous area and submitted in separate bags. If any of the samples in that group is identified as containing greater than one percent asbestos, the remaining samples will not be analyzed, and that material will be considered to be ACM. For all samples analyzed containing less than 10 percent asbestos, PLM Point Counting methods will be conducted by the laboratory. PLM point counting is a more definitive method for determining the asbestos content in materials exhibiting low percentages of asbestos under PLM "visual estimation" analysis.

Hazardous Materials: Skelly and Loy will visually assess the building spaces for the presence of polychlorinated biphenyls (PCB), mercury-containing fluorescent lamps (including fluorescent, metal halide, high-pressure halide, high-pressure sodium, and mercury-vapor) and equipment including; chlorofluorocarbon (CFC)-containing equipment such as water coolers and air conditioning units, NiCad and lead-acid batteries located in exit signs and emergency lighting units, stored chemicals, and any other hazardous materials. We will identify and document equipment and materials requiring removal, disposal, recycling, and/or drainage/purging by properly licensed personnel prior to building renovation activities.

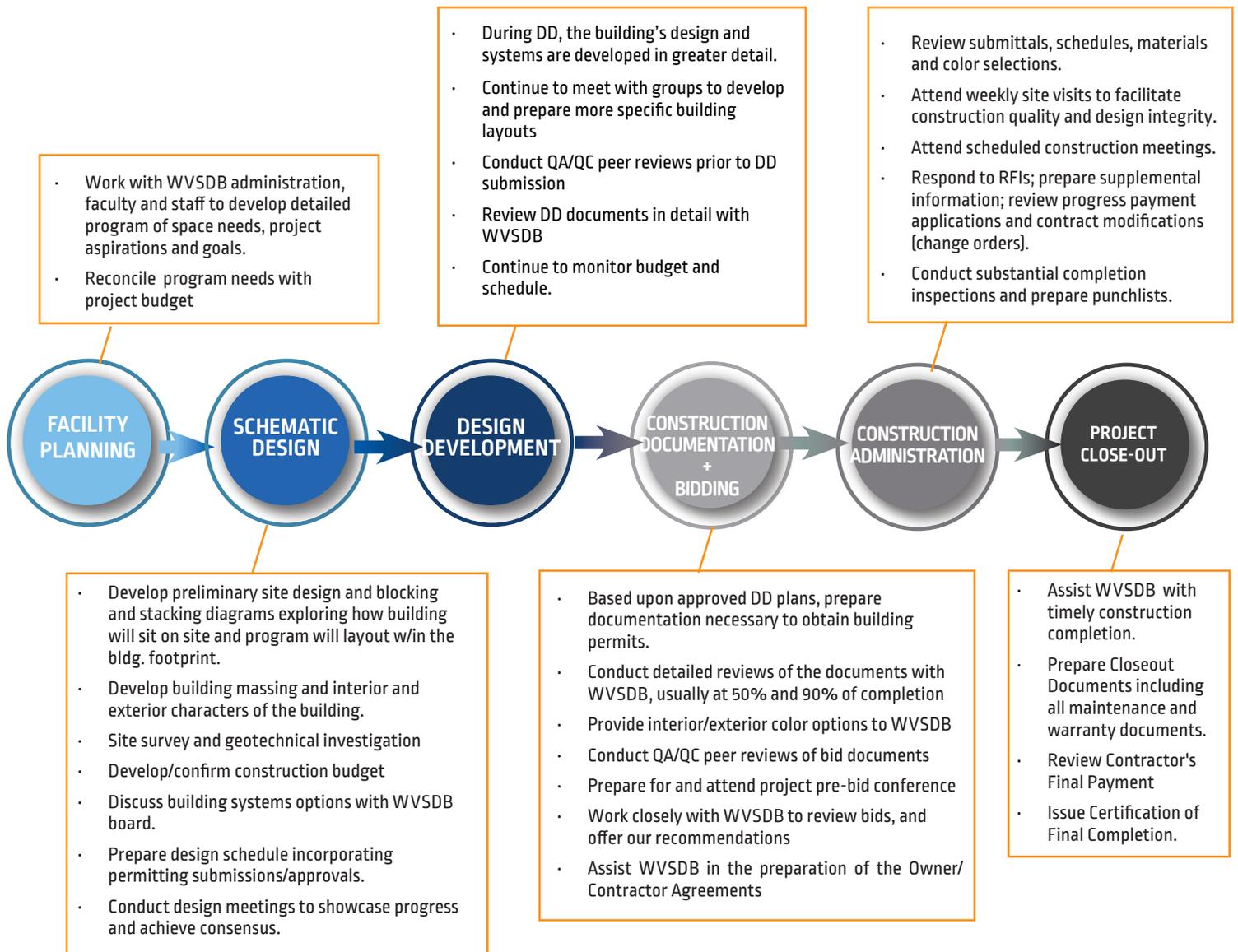
Lead-Based Paint (LBP): Skelly and Loy's Lead Inspector will test accessible painted surfaces for the presence of LBP to be impacted by the planned renovation project. The resulting report will include definitions, a narrative report, and recommendations for specific remediation actions.

Asbestos and Hazardous Materials Inspection Report: At the conclusion of the asbestos and hazardous materials inspection and sampling, Skelly and Loy will prepare a letter report detailing the locations, quantities, and types of all identified ACM, LBP and hazardous materials, along with cost estimates for abatement. The report will be reviewed by a Certified Industrial Hygienist (CIH), and will serve as formal documentation for permanent records of the asbestos inspections.

Asbestos and Hazardous Materials Abatement Plan: Skelly and Loy will coordinate with all applicable persons to develop the abatement specifications, drawings, and phasing for the renovation project. Skelly and Loy will develop technical specifications, for the purpose of managing the removal and disposal of ACM from the building. The specifications will be developed in accordance with WV 64CSR63 and Chapter 16, Article 32 regulations, the National Institute of Building Sciences (NIBS), Occupational Health and Safety (OSHA), and USEPA regulations and guidelines. This process will ensure that the abatement activities adhere to relevant regulations established by the State of West Virginia and the USEPA, which includes the National Emission Standard for Hazardous Air Pollutants (NESHAP) regulation. Skelly and Loy's specifications will be prepared by a USEPA accredited and West Virginia Licensed Project Designer.



WVSDB Design & Contract Administration



Project Management Controls

We believe that face-to-face discussions and reviews are an effective method of resolving issues related to the interface of a proposed design solution with applicable standards that can, in some instances, be open to interpretation. This approach is also a benefit to a client's understanding of the rationale that drives the design.

In addition to experience and capabilities, successful projects depend on solid project management. L.R. Kimball has adopted the Project Management Institute's (PMI's) methodology as our own. L.R. Kimball project managers are trained in the PMI processes and knowledge areas and many of our project managers are certified Project Management Professionals (PMPs). Project success is our goal from initiation to closeout.

Our comprehensive project management approach addresses the key project components of scope, time, cost, quality, communications, and risk. The Project Manager integrates these components as well as all of the project stakeholders and provides the Client with a single point of contact for all team resources. The Client and Project Manager work closely to solidify the project requirements. Our team is committed to working with the Client to address any issue impacting the project.

Our team first seeks to clearly understand and define the mission and priorities of the client relative to the project. We take the time to understand the environment, the culture, the constraints, the operational implications, and the client's historical information that have bearing on the project.

From start to finish, our process assures that these items are integrated into the project requirements. Our understanding of your specific needs and objectives enables us to deliver on your unique objectives while providing an effective, cost-saving, and value-creating solution.

Planning plays a major role in the project's success. The Plan, Do, Check, Act cycle is formed by the planning, execution, monitoring, and controlling processes. Project success is assured when the PMI process is combined with our depth of experience. The following provides a brief overview of our project management approach to the key project components of scope, time, cost, quality, and communications.

Scope Management

The project scope is based on the understanding of the needs of the stakeholders that we include from the start of every project. We manage scope by thoroughly delineating what is and what is not included in the project. The Work Breakdown Structure (WBS) is our fundamental planning tool that defines scheduled activities and deliverables. All aspects of the project are thought through. The WBS provides a way to monitor and control the project including scope changes.



Change requests can be the single biggest threat to completing a project successfully on time and on budget. Therefore, all requested changes must be evaluated to determine their impact on the project's scope, budget, and schedule. Requested changes are sometimes straightforward, such as adding a new task, but, more commonly, the change is less obvious, such as completing one task before starting another. L.R. Kimball analyzes the impact of each requested change, communicates the impact, and makes our recommendation to the client. If the requested change is approved through the change management process, L.R. Kimball updates the Project Plan and coordinates required contractual updates.

Time Management

Having identified project scope, our team is able to anticipate the time line and activity durations. The project schedule is developed with project milestone requirements and other time-sensitive constraints. The project schedule provides L.R. Kimball and the client with a road map to track and coordinate the activities associated with the overall project. In addition, the project schedule will include major client-related tasks and activities that need to be completed to achieve the project milestones. In short, the project schedule enables progress reporting and supports monitoring activity to completion.

Throughout our projects, progress is monitored and reported through regular project team meetings. Actual progress is measured against the baseline schedule, resource needs are discussed, and roadblocks are resolved. Significant variances from the Project Plan are assessed and acted upon to keep the project in alignment with the Project Plan. If necessary, changes and options are discussed with the client.

Quality Management

L.R. Kimball maintains an in-house team of architects, engineers, and project managers who are experienced with government facility design and are responsible for rigorous quality assurance

and quality control (QA/QC) of construction documents. These reviewers are typically not assigned to the project that they are reviewing, but they are familiar with the building type, thereby facilitating reviews through a “fresh set of eyes”.

Our QA/QC team follows an established policy for drawing review and coordination. These reviews are in addition to the continual reviews undertaken by the Project Manager, Project Architect, and Senior Technical Leaders within each discipline. These formalized QA/QC reviews take place at the 30%, 60%, and 90% stages of the production of construction documents. Our Project Manager works closely with the QA/QC team during this review process for each project.

L.R. Kimball's QA/QC reviews also include coordination of the architectural drawings with the documents produced by the mechanical, electrical, plumbing, and structural disciplines. In this regard, we are currently utilizing an interdisciplinary coordination process and construction document review system specifically designed to address points of interface, enabling both production personnel and our QA/QC team to locate discrepancies between disciplines.

Project Management Software

L.R. Kimball utilizes industry-leading software to assist in our project management approach and methodology. We have a comprehensive understanding of the project's needs and objectives by clarifying this information in both graphic and database forms.

We are able to coordinate the project-specific requirements with staff resources on a global enterprise system. The L.R. Kimball team meets weekly with resource staff to review project milestones, deliverables, and to coordinate with project managers the delivery of a successful project at every level of the project's duration.

The following information is a high-level overview of the software that we utilize and the benefits of these tools in our planning, execution, monitoring, and control over the life of a project.

Microsoft Project Scheduling Software: We will establish a work breakdown structure for the project, assigning specific tasks and due dates to designated project team members to develop a baseline for the project schedule. This allows us to anticipate potential schedule slippage and develop schedule recovery options to ensure the project is kept on track.

Newforma Virtual Project Office Software: Our team will utilize Newforma software to provide the entire project team, including the Owner, with the following benefits:

- Repository and access to all project documents (meeting minutes, design documents, submittal schedules, RFI logs, etc.).
- Ability to review, redline, and comment on design documents without the need for AutoCAD software.

- Ability to track project issues by responsible party and due date.
- Ability to track all construction phase activities, submittals, RFIs, change order logs, and more.

Project Resource Management Software: Our project manager will update manpower requirements and review work assignments on a weekly basis to ensure the project is appropriately staffed. This software provides each staff member with their assignments for a two-week, look-ahead period. This benefits our Client by letting them know in advance when critical design decisions need to be made.



Cost Control

L.R. Kimball's procedures for cost control ensure that sufficient opportunity is provided to accommodate changes in scope prior to the final Design/Construction Documents Phase to avoid cost overruns. Construction cost estimates will be provided by L.R. Kimball personnel throughout the project. By continually addressing the cost implications throughout the early phases of design, the team is able to identify cost issues before unrealistic expectations are created. These estimates will be developed on a square foot basis initially and will be prepared at increasing levels of detail as the project documentation is developed. In addition, we will utilize an independent professional cost estimating firm to develop its own estimate. Any significant variances will be discussed and reconciled.

The key to successful estimating is the early identification of all components that carry a project cost, the establishment of an adequate project contingency, and confirmation of the workload in the marketplace with the local construction industry. Life cycle costs must also be taken into consideration in the selection of final finishes, equipment, and energy conservation measures as well.

We evaluate the budget at each phase of the project. In the budget development process, we will work closely with your representatives and/or any of your other consulting professionals

to understand the cost ramifications of various design decisions.

Additionally, we understand the need to select systems that are economical from the day they are purchased throughout the life of the facility. Every major system is evaluated in terms of initial purchase, availability, operating/life cycle costs, and maintenance and replacement costs. Availability of long lead items is also taken into consideration, especially as it relates to project schedule and construction phasing.

Building Information Modeling (BIM) / Virtual Reality

Building Information Modeling (BIM) / Virtual Reality: Building Information Modeling (BIM) is an intelligent 3-Dimensional, digital representation of the physical, functional, and spatial characteristics of a facility. 3D digital representations of a facility can be utilized by the project team during the entire lifecycle of a project. This software is used by our architects and engineers to communicate with owners and contractors during the design, construction, and operation of facilities.

The BIM database can encompass geographic information and special relationships, as well as specific component information that can be utilized for design analysis, engineering calculations, and quantitative properties for estimating. These capabilities can be tracked throughout the life cycle of a project, allowing for evaluation and assessment of decision made during the design of a project.

By incorporating Virtual Reality (VR) practices, the team can visually interpret the BIM model in real time, allowing for a more in-depth understanding of a project's design features and to make more informed decisions. When carried beyond the design phase, the BIM dataset can be utilized for fabrication of components, and for construction logistics / sequencing. After construction, the BIM dataset is also effective for maintenance and operation of facilities.

We utilize Revit as our primary design / engineering application when developing BIM datasets for projects. As hardware and software developments around the BIM process have advanced over the last several years, L.R. Kimball has developed an integrated approach that incorporates VR capabilities into our project workflow.

Capabilities include design visualization to immersive walk-throughs. Output options range from still images and animations to stand alone panoramic or virtual environments. The BIM / VR combination also allows for an immersive experience with the addition of the latest headsets from Oculus and HTC. For the benefit of vision-impaired students, staff, and alumni stakeholders, we develop physical models. These visualization options help the entire team, including our clients understand and experience the project before construction begins.



Communication Management

Communication and coordination among all parties is critical to assure successful execution of the Project Plan. During the project "kick-off" meeting with our team and client staff, we review the Project Plan, procedures for change control, project specifications, and production methodology to eliminate any misunderstandings and align with expectations. A vital part of this meeting is the discussion of project communications--specifically, what needs to be communicated, by whom, to whom, how often, and by what method. The result of this discussion is a communication plan that will frame the communication requirements for the project. At the center of all successful projects is clear, concise communication.



Additional Information

CDI-Infrastructure LLC dba L.R. Kimball representatives have reviewed the CEOI thoroughly. Upon selection, L.R. Kimball requests the opportunity to negotiate mutually beneficial terms and conditions.



3.0 FORMS



Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

State of West Virginia
Centralized Expression of Interest
Architect/Engr

Proc Folder: 858601			Reason for Modification:
Doc Description: A&E EOI for Renovation and Assessment Projects at the WWSDB			
Proc Type: Central Contract - Fixed Amt			
Date Issued	Solicitation Closes	Solicitation No	Version
2021-03-22	2021-04-20 13:30	CEOI 0403 DBS2100000001	1

BID RECEIVING LOCATION

BID CLERK
 DEPARTMENT OF ADMINISTRATION
 PURCHASING DIVISION
 2019 WASHINGTON ST E
 CHARLESTON WV 25305
 US

VENDOR

Vendor Customer Code:

Vendor Name : CDI-Infrastructure, LLC dba L.R. Kimball

Address : 500 Corporate Landing, Suite 200

Street :

City : Charleston

State : WV **Country :** **Zip :** 25311

Principal Contact : David Rispoli, PE

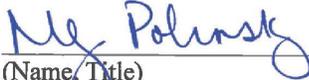
Vendor Contact Phone: 814-419-7897 **Extension:** 814-419-7897

FOR INFORMATION CONTACT THE BUYER
 Joseph E Hager III
 (304) 558-2306
 joseph.e.hageriii@wv.gov

Vendor Signature X  **FEIN#** 27-2620523 **DATE** April 20, 2021

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

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.



(Name, Title)
Megan Polinsky, Contract Administrator

(Printed Name and Title)
615 West Highland Avenue, Ebensburg, PA 156931

(Address)
814-419-7861 / 814-472-6110

(Phone Number) / (Fax Number)
megan.polinsky@lrkimball.com

(email address)

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, 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 State 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.

CDI-Infrastructure, LLC dba L.R. Kimball

(Company)


(Authorized Signature) (Representative Name, Title)

Richard E. Genday, PE, Vice President

(Printed Name and Title of Authorized Representative)

April 20, 2021

(Date)

814-419-7873 814-472-7712

(Phone Number) (Fax Number)



Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

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

Proc Folder: 858601			Reason for Modification: Addendum #1 issued to publish the agency responses to all vendor submitted questions.
Doc Description: A&E EOI for Renovation and Assessment Projects at the WWSDB			
Proc Type: Central Contract - Fixed Amt			
Date Issued	Solicitation Closes	Solicitation No	Version
2021-04-12	2021-04-20 13:30	CEOI 0403 DBS2100000001	2

BID RECEIVING LOCATION

BID CLERK
 DEPARTMENT OF ADMINISTRATION
 PURCHASING DIVISION
 2019 WASHINGTON ST E
 CHARLESTON WV 25305
 US

VENDOR

Vendor Customer Code:

Vendor Name : CDI-Infrastructure, LLC dba L.R. Kimball

Address : 500 Corporate Landing, Suite 200

Street :

City : Charleston

State : WV **Country :** **Zip :** 25311

Principal Contact : David Rispoli, PE

Vendor Contact Phone: 814-419-7897 **Extension:** 814-419-7897

FOR INFORMATION CONTACT THE BUYER
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 (304) 558-2306
 joseph.e.hageriii@wv.gov

Vendor Signature X  **FEIN#** 27-2620523 **DATE** April 20, 2021

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Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

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

Proc Folder: 858601		Reason for Modification:	
Doc Description: A&E EOI for Renovation and Assessment Projects at the WVSDDB		Addendum #2 issued to revise Section 3: Project Specifications of EOI to include Item #9 and extend bid due date.	
Proc Type: Central Contract - Fixed Amt			
Date Issued	Solicitation Closes	Solicitation No	Version
2021-04-14	2021-04-22 13:30	CEOI 0403 DBS2100000001	3

BID RECEIVING LOCATION

BID CLERK
 DEPARTMENT OF ADMINISTRATION
 PURCHASING DIVISION
 2019 WASHINGTON ST E
 CHARLESTON WV 25305
 US

VENDOR

Vendor Customer Code:

Vendor Name : CDI-Infrastructure, LLC dba L.R. Kimball

Address : 500 Corporate Landing, Suite 200

Street :

City : Charleston

State : WV **Country :** **Zip :** 25311

Principal Contact : David Rispoli, PE

Vendor Contact Phone: 814-419-7897 **Extension:** 814-419-7897

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Vendor Signature X  **FEIN#** 27-2620523 **DATE** April 20, 2021

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

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CEOI DBS21*01

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:

(Check the box next to each addendum received)

- | | |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input checked="" type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

CDI-Infrastructure, LLC dba L.R. Kimball

Company



Richard E. Genday, PE Authorized Signature
Vice President

April 20, 2021

Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.
Revised 6/8/2012



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