

DENMAR CORRECTIONAL CENTER

#COR61423

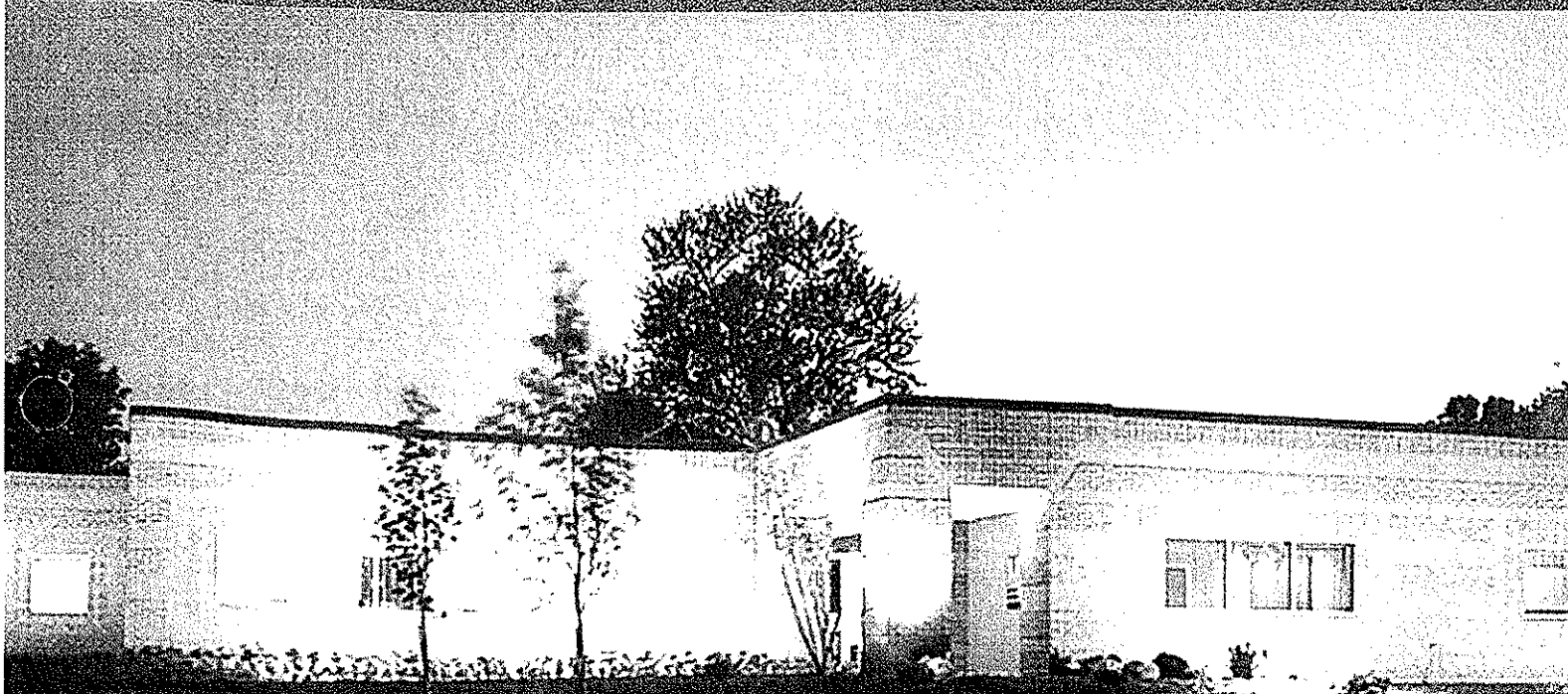
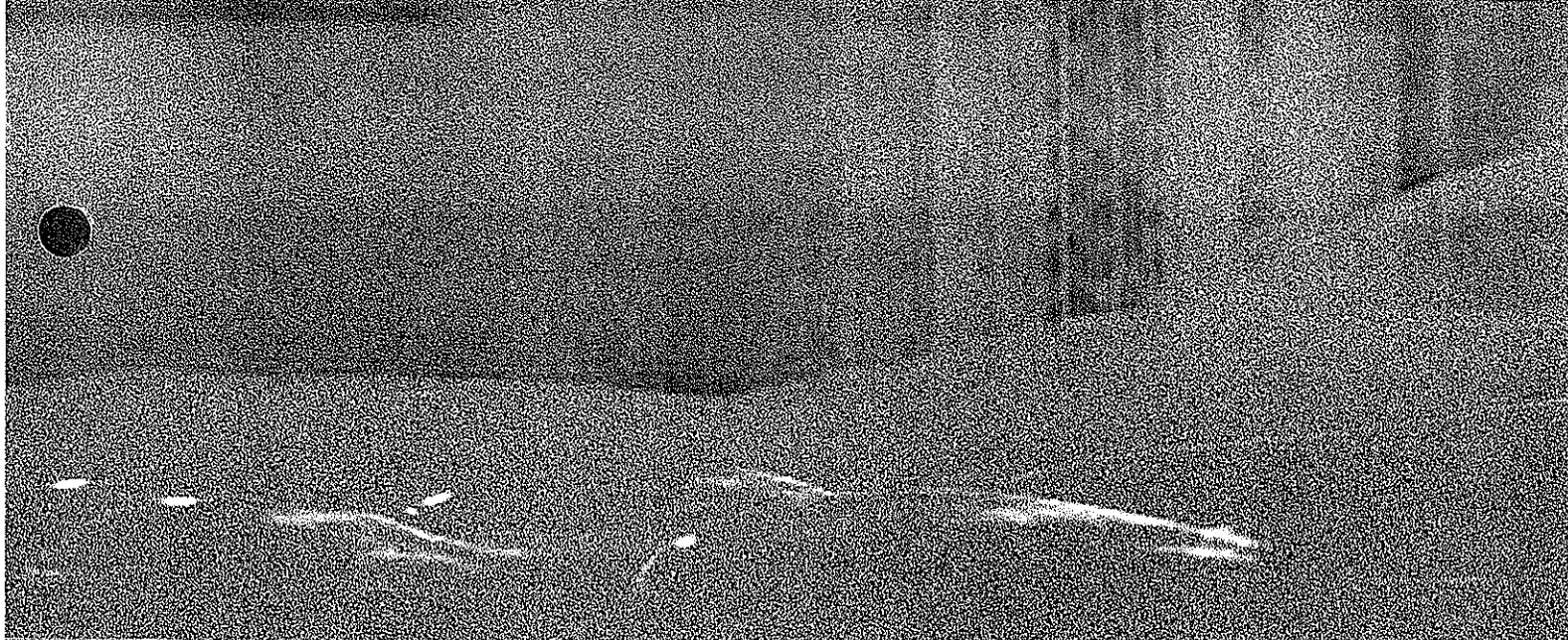
August 20, 2009

Present by: Scheeser Buckley Mayfield LLC
1540 Corporate Woods Parkway
Uniontown, Ohio 44685
(330) 896-4664

RECEIVED

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PURCHASING DIVISION
STATE OF WV





August 14, 2009

Purchasing Division
2019 Washington Street, East
P.O. Box 50130
Charleston, WV 25305-0130

Attn: Mr. John Abbott

RE: Denmar Correctional Center
Expression of Interest – Project ID: COR61423

Dear Mr. Abbott:

Thank you for the opportunity to present this Expression of Interest for the Denmar Correctional Center. We understand the critical nature of this project to the correctional facility.

Scheeser Buckley Mayfield LLC has a great deal of experience running projects of this type. Scheeser Buckley Mayfield has staff immediately available to work on this project.

The main contact for this project is James E. Eckman, PE, LEED AP, LC, CBCP, which will act as Principal-In-Charge for the project.

Contact information is:

James E. Eckman
1540 Corporate Woods Parkway
Uniontown, Ohio 44686
jeckman@sbmce.com

Jim has two additional engineers that can assist with electrical design. Scheeser Buckley Mayfield has a staff of three drafters and two clerical staff to provide technical support. On this project, it is the intention of the design team that Jim as the Principal-in-Charge will be involved in all meetings, the design, and the construction administration of the project.

All Scheeser Buckley Mayfield individuals that are scheduled to work on this project have extensive experience in this type of project. All team members on this project have successfully worked together on previous similar projects.

Scheeser Buckley Mayfield was involved in the study phase of this project and prepared the study options and associated cost estimates.

Scheeser Buckley Mayfield will work with Silling Associates located in Charleston, West Virginia to provide all architectural needs for the project. Scheeser Buckley Mayfield and Silling Associates have worked together on many projects together in the past which are similar to the one presented here for the Denmar Correctional Center.



Scheeser Buckley Mayfield is sensitive to maintainability and energy conservation, while always cognizant of the restraints of first costs. In addition, we believe we have demonstrated through our experience, and we pledge to continue to show that we are responsive to the demands of project schedules and proactive with regard to systems choices relative to budget responsibility.

Philosophy

Most critical to systems design is technical competence. The very latest proven technology must be carefully selected to fit specific project requirements. High-tech working systems that meet the most stringent, complex performance criteria are frequently required by our clients.

The best systems designs go beyond the purely technical. These designs not only meet the most demanding operational requirements, but also help define the personality and character of the building. They transcend building operations to contribute to the total building experience.

Transformation of ideas into solutions is the core upon which Scheeser Buckley Mayfield is built.

In addition, Scheeser Buckley Mayfield believes that meetings define the success of the project, and, as such, believe in meeting early and often. This allows the design to proceed with all parties actively involved.

Systems Design

Every Scheeser Buckley Mayfield system is designed in harmony with the entire building, so all systems flow and work together efficiently.

As an integral part of the building design team, we strive to create systems that fit naturally into the building's character and comfortably into the overall budget.

Because we take this responsibility seriously, we do everything necessary to design systems that fit your needs.

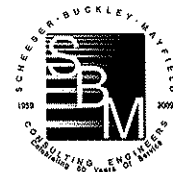
Scheeser Buckley Mayfield excels at working closely with architects and owners to maximize system efficiency. We strive for a design process that allows us to thoroughly understand your objectives and meet all your expectations.

One of Scheeser Buckley Mayfield's guiding philosophies is that quality is defined by our clients. We take care not to over or under design but instead give you choices, think ahead, and design systems that will do the job you need them to do.

We work hard at every stage of a project – initial consultation, design, construction and building commissioning – to provide services of the highest value.

Technical Expertise

Scheeser Buckley Mayfield is recognized for precise technical drawings and uncompromising attention to detail.



Our design engineers carefully consider overall systems design, analyzing how every part works in conjunction with every other part of the system.

Because engineering details are thoroughly integrated in our designs, contractors can more effectively bid on and construct Scheeser Buckley Mayfield systems. This greatly reduces misinterpretation and costly problems that must be solved during the construction process.

We look forward to the opportunity to work on this project. If there are any questions, please do not hesitate to call.

Very truly yours,

Scheeser Buckley Mayfield LLC

A handwritten signature in black ink, appearing to read "J E A", is written over the company name.

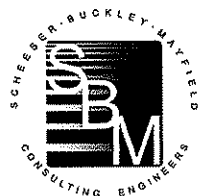
James E. Eckman, PE, LEED AP, LC, CBCP
President

Scheeser Buckley Mayfield LLC

SCHEESER BUCKLEY MAYFIELD LLC

CORPORATE OBJECTIVES

1. To strive for quality, understanding that quality is defined by the client -- not the Engineer.
2. To develop business partnerships -- not one time projects.
3. To approach each project as new and distinct, utilizing creativity while building on our past experience.
4. To be honest, fair and trustworthy in all activities and relationships.
5. To be a pleasure with whom to do business.
6. To strive for perfection in completion of our work.
7. To be a leader in areas in technical expertise.
8. To be profitable, in a fair way, so as to perpetuate our Company and secure the well being of our employees.



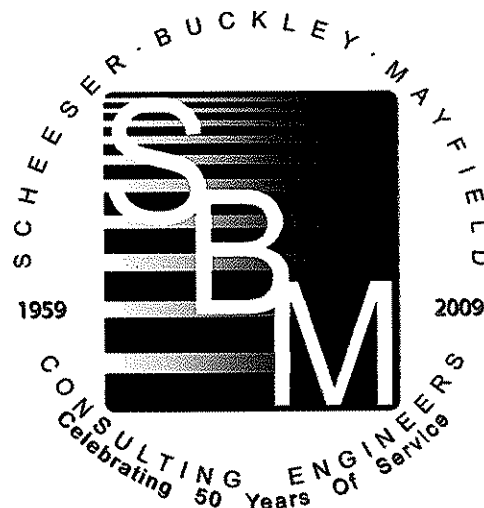
ABOUT THE FIRM

Scheeser Buckley Mayfield LLC is an Ohio-based Consulting Engineering firm that serves clients throughout Ohio and the surrounding states. The firm was established in 1959 by Walter L. Scheeser and Edwin J. Buckley, specializing in the design of mechanical systems for the construction industry. The firm has enjoyed a steady growth in clients and geographical area served throughout its history, and its services now include electrical, civil, and telecommunication design.



Scheeser Buckley Mayfield LLC has developed an outstanding reputation for both its accessibility to its clients and the clarity and completeness of its documents. The firm has been a leader in the application of new technology. It has extensive experience in the design and analysis of projects of all sizes, which it can draw upon for future projects. Each project requires an analysis of the most cost effective system available based on the client's design parameters. It is also the responsibility of the design team to determine if other options exist which may be beyond the scope of the current budget and which need to be considered on the current project to allow for future growth. Scheeser Buckley Mayfield LLC gives this personal attention to each project by determining the project design which can be implemented within the client's budget while applying innovative design concepts.

Many of Scheeser Buckley Mayfield's projects originate from clients who have used its services previously and wish to continue a professional association. Scheeser Buckley Mayfield LLC strives to provide very professional and competent engineering services to all of our clients and to develop a personal relationship with these clients. This on-going association with clients provides an opportunity for them to better understand design concepts as well as the logic behind the decisions which may affect their systems for many years after the project's completion.



SCHEESER BUCKLEY MAYFIELD LLC

PERSONNEL

<u>Name</u>	<u>Title</u>	<u>Experience</u>
PRINCIPALS		
James E. Eckman, PE, LC, LEED AP, CBCP	President	25 years
John A. McDonough, PE, LEED AP	Electrical Engineer (Sr. Associate)	33 years
Kevin Donati	Electrical Engineer	8 years

Six additional personnel in Drafting Department
Two Word Processing personnel
Two Administrative personnel

CBCP - Certified Building Commissioning Professional

LEED AP – Leadership in Energy and Environmental Design Accredited Professional

LC – Lighting Consultant

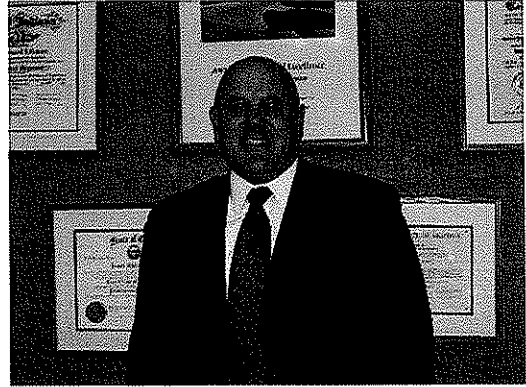


JAMES E. ECKMAN, P.E., LC, LEED AP, CBCP PRESIDENT - ELECTRICAL ENGINEER

PERSONAL RESUME

Mr. Eckman attended The University of Akron where he received his Bachelor of Science Degree in Electrical Engineering in 1984.

After graduation, Mr. Eckman began his career as a consulting engineer by accepting a position as junior engineer with Kucheman, Peters and Tschantz, Inc., an electrical consulting firm in Akron, Ohio. During this engagement, he gained experience in the electrical design of commercial, industrial and healthcare facilities. Mr. Eckman also served as project manager for many of the projects he designed.



Concurrently, Mr. Eckman taught an electrical engineering course called "Illumination" at The University of Akron.

After leaving KPT, Inc. in 1987, Mr. Eckman gained additional experience in the construction industry by accepting the position of Engineer/Estimator for Thompson Electric, Inc. in Munroe Falls, Ohio. During this engagement, he designed and acted as project manager for several large industrial projects. He also earned electrical contractor licenses in several area communities.

Desiring to further his career as a consulting engineer, Mr. Eckman accepted a position of Senior Engineer with Scheeser Buckley Mayfield LLC in 1989. Mr. Eckman was promoted to the position of Associate in 1990, became a Principal in the firm in 1991 and Vice President of Electrical Engineering in 1992, and President in 2003.

Mr. Eckman was a member of the Institute of Electrical and Electronics Engineers for eight years and is currently an active member of the Electrical League of Northeastern Ohio and the Illuminating Engineering Society (IES). Mr. Eckman has served as Treasurer and President of the Cleveland/Akron IES section and a member of the Executive Committee for the Electrical League. Mr. Eckman served on the College of Engineering Advancement Council for The University of Akron from 2002 to 2004 and is currently serving as Secretary of The University of Akron Electrical Engineering and Computer Engineering Advisory Council as Vice Chairman.

Jim is a LEED v2 Accredited Professional and is registered in the State of Ohio, West Virginia, Pennsylvania and Indiana.

In 2005, Jim received his Lighting Certification (LC) from the National Council on Qualifications for Lighting Professionals (NCQLP).

In 2009, Jim received his Certified Building Commissioning Professional (CBCP) administered by the AEE (Association of Energy Engineers).

Scheeser Buckley Mayfield LLC

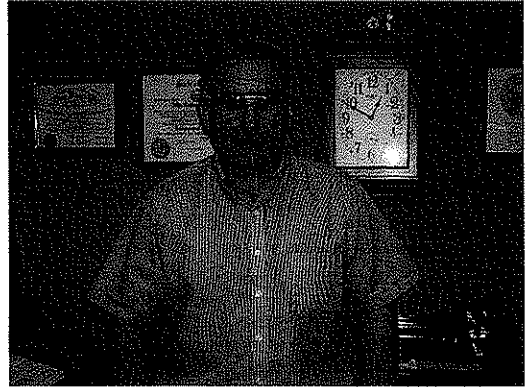
**JOHN A. McDONOUGH, P.E., LEED AP
SR. ASSOCIATE - ELECTRICAL ENGINEER**

PERSONAL RESUME

Mr. McDonough attended the University of Akron where he received his Bachelor of Science Degree in Electrical Engineering in 1975.

Prior to graduation, Mr. McDonough spent three cooperative work experience tours with the Central Intelligence Agency in Washington D.C.

After graduation, Mr. McDonough worked as an Engineer for Craftsman Controls Co. in Mt. Vernon, Ohio where he was responsible for the design of control and protective relay panels. Responsibilities included, the preparation of drawings, bills of materials, ordering of materials, the monitoring of panel fabrication and the completion of final testing. Mr. McDonough participated in the development and implementation of the company's quality assurance program for the production of generator control panels used in nuclear power plants.



In 1978, Mr. McDonough accepted employment with Peters, Tschantz, and Bandwen, Inc. (formerly Kucheman, Peters and Tschantz) in Akron, Ohio where he managed the preparation of electrical plans and specifications for commercial, industrial and institutional buildings. Responsibilities included the preparation of construction estimates, design fees, and schedules for electrical projects. He designed medium and low voltage power distribution systems, emergency and standby power systems for health care, telephone, and data processing center facilities and personally designed the additions to or modification of five hospital outdoor substations. Mr. McDonough has an extensive background in Symmetrical Components, short circuit analysis and protective device coordination.

Mr. McDonough accepted a position as Associate Electrical Engineer with Scheeser Buckley Mayfield LLC in February 1998. He is responsible for the preparation and design of electrical plans and specifications for commercial, industrial and institutional buildings, and outdoor substations. Mr. McDonough is also responsible for the preparation of electrical distribution system studies.

Mr. McDonough is registered in the State of Ohio.

KEVIN M. DONATI ELECTRICAL ENGINEER

PERSONAL RESUME

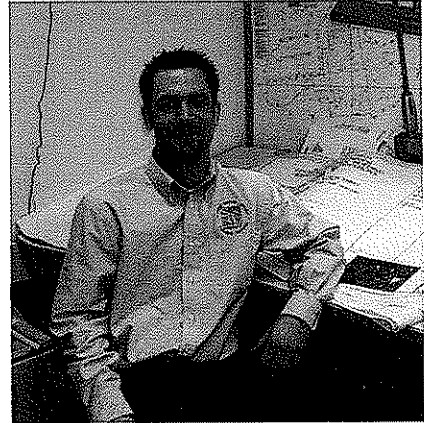
Mr. Donati received his Bachelor of Science Degree in Electrical Engineering in 2002 from The Pennsylvania State University.

Since joining SBM in January of 2003, Kevin has done extensive work in the higher education field with many universities, including The University of Akron, Kent State University, Cleveland State University, Marshall University, Bowling Green State University and Lakeland Community College. Some of these projects included the design of dormitories, classrooms, office spaces, parking lot lighting and complete fire alarm designs and upgrades.

Mr. Donati has also done extensive work in the K-12 education field. Some of these designs include Jackson High School, Akron Public Schools, Central Catholic High School, North Canton City Schools, RG Drage Tech Center, Barberton Local Schools and Cleveland Municipal School District.

Other projects include numerous projects at First Energy, along with projects at Aultman Hospital, Pro Football Hall of Fame, City of Green Administration Building, Dominion East Ohio, Alliance City Hospital, Lake East Hospital, VA Hospital, Elevator Modernization Projects, City of Akron, Holiday Inn Hotels, Candlewood Suites Hotels, Correctional Centers and SKM Power System Short Circuit/Arc Fault studies.

Mr. Donati has extensive experience in the design of complex systems such as fire alarm, audio/video, telecommunications (LAN) systems, and CATV/MATV distribution systems.



SCHEESER BUCKLEY MAYFIELD LLC

CORRECTIONAL FACILITY EXPERIENCE

Denmar Correctional, West Virginia
Kitchen/Dining - 2008
New Electrical Service - 2008

Ohio Reformatory for Women, Ohio
Generator Replacement – 2003
Central Food Service – 2003

Pickaway Correctional Institute, Ohio
Dormitory Renovations – 2002

Pruntytown Correctional Facility, West Virginia
Warden's Office – 2001

Trumbull Correctional Institute, Ohio
Mental Health Building Addition – 2003

St. Mary's Correctional
Dining Facility - 2004

London Correctional Institution, Ohio
New Power Substation Improvement
2005

Huttonsville Correctional Institute, West Virginia
Addition and Renovation – 2004
Work Camp - 2008

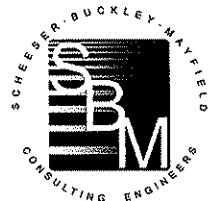
Orient Correctional Facility, Ohio
Energy State Audit – 2000
New Administration Building – 2001

Chillicothe Correctional Facility, Ohio
Boiler Plant Replacement – 2001

Youngstown Penitentiary, Ohio
Recreation Additions – 2003

Stevens Correctional Facility, West Virginia
Major Renovations – 2004

Mt. Olive Correctional
Command Center - 2007
New Substation - 2008



SCHEESER BUCKLEY MAYFIELD LLC

CORRECTIONAL FACILITY EXPERIENCE

West Virginia Department of Corrections Denmar Correction New Electrical Service Study

Scheeser Buckley Mayfield performed an electrical study for the facility to provide recommendations for ways to improve the system to make it safer, more reliable, and code compliant. The study included a site visit in order to determine the existing conditions, along with a report detailing the existing conditions along with options and recommendations with construction cost estimates and one-line diagrams. Some of these options included ways to eliminate the existing generator/transformer set-up on the primary lines, and provide a new generator and distribution system and back-fed existing loads. Another option was to upgrade wiring on the existing 1930's building. Many options also included ways to give the campus more capacity on the system in order to accommodate possible future air-conditioning loads. Options also included ways to eliminate the multiple incoming services into the same building, and have one main service into each building where possible.

West Virginia Department of Corrections Denmar Correction Kitchen/Dining

The project consisted of the addition of a new kitchen area along with a staff dining area, restrooms, office and a few storage rooms. New 2x4 acrylic fixtures were provided throughout the space with general strip fixtures in storage rooms. New smoke detectors were installed along with fire alarm audio/visual devices throughout the space. The existing electrical service was revised in order to upgrade the existing system to be code compliant. A new 400A, 240V/3 phase/3 wire MDP was installed and the existing kitchen area panelboard was back-fed from the new distribution system. A new 250A, 240V/3 phase panelboard was installed to feed the new 3 phase kitchen equipment loads, along with a new 200A, 120/240V, 1 phase panelboard to feed the 1 phase loads. The new distribution system also back-fed existing 240V, 3 phase loads and existing 120/240V, 1 phase loads, through a 75KVA transformer.

Huttonsville Correctional Institution Dormitory Addition and Fire Alarm Upgrade Huttonsville, WV

Scheeser Buckley Mayfield LLC provided HVAC, plumbing, and electrical design for the renovation and expansion of two dormitory wings as well as expansion of fire alarm systems at Huttonsville Correctional Institution. Electrical design included lighting, power and systems for the new dormitory. This power design included the coordination of a new utility service as well as installation of backup power for the renovated dormitories. The backup power consisted of a new diesel generator near the dorms and automatic transfer switches/distribution to support the facility. Additional aspects to the design included rework of existing salleyport entrance to the facility, Security systems including door hardware set requirements were integrated into the design for the dormitory. Fire alarm systems for the renovated dormitories were connected to the facility wide fire alarm system via a fire



alarm network. This facility wide campus network was upgraded in order to allow a fully integrated system which could be monitored at Master Control. A large number of fire alarm signaling devices (smoke detectors, heat detectors, pullstations, strobes, etc.) were added throughout the facility to ensure that the facility complied with current fire alarm code.

A new heating/cooling system was installed to replace the existing heating only system consisting of steam and condensate risers located throughout the resident areas. The new HVAC design includes multiple constant volume DX cooling rooftop air handling units to serve the new resident areas. The new air handling units do not contain heat, but are supplemented with hot water reheat coils located throughout the spaces. A steam to hot water heat exchanger with associated heating water pump and condensate pump located in the basement of each new resident wing provides the heating water for the reheat coils. The steam and condensate utilized in the new heating water system originate in the main mechanical room with services extended to the new resident wings. The design of the airside system includes security diffusers and grilles along with security bars located throughout the spaces at designated security walls. Due to limited spacing in the plumbing/HVAC chases for each resident room, coordination of mechanical, electrical, plumbing and fire protection services was critical.

***Huttonsville Correctional Institution
Boiler Replacement
Huttonsville, WV***

Scheeser Buckley Mayfield LLC provided electrical design associated with the installation of replacement boilers serving the facility. The electrical renovation included rework of an existing feeder and replacement of existing distribution in the boiler plant to support the new equipment. Lighting in the boiler plant was also replaced as part of the project.

***Huttonsville Correctional Institution
Kitchen Renovation
Huttonsville, WV***

Scheeser Buckley Mayfield LLC provided plumbing and electrical design associated with the renovation of the existing kitchen. The renovation included the removal and replacement of approximately 60% of the floor under the kitchen area of the building. The electrical renovation included replacement of existing distribution and branch panels in the renovated space, demolition and refeeding of branch circuits serving existing and new kitchen equipment, and rework of existing branch circuiting which could be reused to refeed equipment. Prior to the work associated with the demolition and renovation, a temporary kitchen was installed at the site. This involved the installation of a temporary utility service, and temporary power distribution to multiple trailers housing serving lines, dishwashing lines, and food prep areas.

The Kitchen Renovation required a major shut-down due to the replacement of the kitchen floor slab. This required a temporary kitchen be set in place consisting of leased trailers which required temporary domestic water and sanitary service. The plumbing design within the kitchen consisted of completely removing all equipment and associated plumbing utilities. Once the floor slab was repaired, the kitchen equipment was reinstalled with new plumbing service. The new plumbing work consisted of providing the existing and new kitchen equipment with the required connections and to meet and update the requirements of the local health department. The design included reworking the existing steam system, install mixing valves to provide tempered water at hand washing sinks, and extending all kitchen equipment with grease laden waste through the existing grease filtering system.

**Ohio Reformatory for Women
Central Food Service/Medical Facility**

Scheeser Buckley Mayfield LLC provided mechanical, electrical and civil design for a new 45,000 sq. ft. food service/medical building. The food service portion of this building was approximately 34,000 sq. ft. and housed a full kitchen and serving line. SBM incorporated low flow kitchen exhaust hoods for energy savings receiving a credit from the State Department of Energy. The medical portion of this building contained an infirmary, dentistry and other related healthcare services for the inmates. Civil design work included extending new sanitary sewer main, domestic water/fire line/gas main, and storm sewers to the proposed building site. Design included vandal proof castings and valve covers and reconstruction of existing roadways and sidewalk. Construction of this building is scheduled to start Spring 2003.

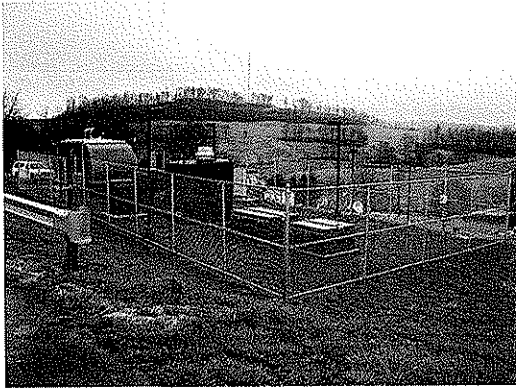
**London Correctional Institution
New Power Substation Improvement
Columbus, OH**

The project includes the design and installation of a new 69 kV to 13.2 kV electric substation outside the facilities boundary fence. The new substation will be located in the existing well field. The old substation is scheduled to be torn down and removed under this project. The substation design is of the low profile type and include voltage regulators and automatic power factor correction capacitor banks. The installation of the regulators will help correct low voltage conditions the facility is experiencing. The substation will have two transformers with a secondary tie at the 13.2 kV level. One transformer would serve the London Facility and the second transformer would serve the Madison Facility. The substation secondary tie will permit feeding all substation loads in the event one of the transformers failed or was taken off line for maintenance. The design of the substation includes a 13.2 kv switchgear house to enclose the substation's 13.2 kV switchgear. This is being done to improve reliability and ease of maintenance of the substation's 13.2 kV switchgear. The design of the new substation will cover the extension of the existing 69 kV line to the substation as well as the installation of new 13.2 kV underground feeders to refeed the existing substation's London and Madison facility loads. The project will also include the design of a small section of underground ductbank so that a small section of 2400 volt, 3-phase overhead wiring that crosses over the perimeter fence can be placed underground. The project includes the design of two (2) new 13.2 kV electric services for the Police Academy and the BCI building that would be tapped off the existing Madison overhead feeder. Each service would have separate submetering.

**Stevens Correctional Facility
Welch, West Virginia**

The project consisted of converting approximately 100,000 square feet of former health care space into a 300 bed correction center. The HVAC system consisted of multiple packaged roof top units zone to provide zoning and a smoke removal system to provide the required floor pressurization along with the required ventilation for the kitchen. The domestic hot water system consisted of a centralized gas fired storage system with a master mixing valve assembly and a recalculating pump. The electrical system included a diesel generator providing back up power for all Life Safety systems and for the building HVAC system.

West Virginia Department of Corrections Pruntytown New Standby Generator



The project included the design of a new 12.47KV service drop, medium voltage padmount switchgear, medium voltage transfer switch, generator padmount transformer, and a 750KW, 480V, 3 phase diesel generator set with walk-in enclosure having a belly mounted fuel tank. The system designed replaced the facilities' existing 12,47KV service with a new system that provides generator back-up power for the entire facility. The system was designed to maximize system reliability and maintainability by the use of 12,47KV circuit protective devices to permit bypassing and isolating the automatic transfer switch while providing power to the facility from utility power or from the generator. The system was designed to provide remote

monitoring of the generator set and fuel supply from the facilities' security control center. The design included provisions for the connection of a portable 480V load bank for generator testing.

Mount Olive Correctional Facility Mt. Olive, WV

Scheeser-Buckley-Mayfield LLC provided mechanical, electrical, plumbing, and fire protection design services for this 4,000 sq. ft. training center. The project included an open area for group training as well as support spaces including offices, storage areas, command center, and an armory area.

Muskingum County Juvenile Detention Facility Zanesville, Ohio

Performed the systems integration for the security system at Muskingum County Juvenile Detention Facility. This involved the integration of the multiple security aspects (physical security, intercom systems, camera systems, and access control systems) as defined by a performance specification in the contract documents. This required selection of the different systems, programming of control schemes, design of network communications, design of all control panels, design of all cabling requirements, design of backup power requirements, and interfacing all of these systems into a single graphical touchscreen control system. Programming of the system included programmable logic controllers to handle the access controls (locks, etc.) as well as programming of embedded Visual Basic routines, macros, camera functions, camera multiplexor function, intercom system functions and Microsoft SQL database recording and time stamping of all events as they occur real-time.

Multi-County Juvenile Attention Center

Scheeser Buckley Mayfield LLC performed mechanical and electrical design engineering services for a new 37,000 square foot facility. The building was designed to house 36 high security inmates and 20 inmates at a lower level of security. All inmates will live in the building full-time and the building was designed for a 24 x 7 occupancy. Included in the design of the building was a complete kitchen and dining area. In addition to serving the inmates, staff would also be served by the kitchen. The kitchen and dining area were totally air-conditioned. Kitchen exhaust systems included the use of a UL approved reduced flow kitchen hood and special fire suppression system for the kitchen hood. HVAC systems for the building included VAV and constant volume air systems along with hydronic perimeter heating systems. Smoke exhaust systems were also designed in areas where overnight occupancy is required. The entire building is controlled with a DDC control system which allows for remote monitoring for all

mechanical systems. The plumbing design for the building included specialized fixtures for hostile prison environment. Plumbing also included special connections to multiple pieces of kitchen equipment.

Electrical design included low voltage remote relay controlled lighting for nighttime group shutdown. Lighting control features are integrated with the security system for remote emergency operations. All lighting fixtures in the facility are security type design. An addressable fire alarm system was also integrated with the security system for controlled exit/release of residents. All HVAC systems, egress lighting and the complete courtroom area are supported by an exterior diesel generator in the event of a utility outage. In addition, the entire security system is supported by an uninterruptible power supply (UPS) system for uninterrupted monitoring. Elevator design included power wiring for each elevator controller from the buildings distribution system as well as cab lighting. Elevator breakers were provided with shunt trip capabilities if the shafts, machine rooms and pits were sprinklered. Controllers were also tied in to the building fire alarm system as required for elevator recall (fireman's service functions). All functions were designed to NFPA, OBBC and ANSI/ASME codes and requirements that were applicable at the time of design.

Trumbull Correctional Institution Mental Health Building Addition

Scheeser Buckley Mayfield LLC provided mechanical, electrical, and civil design services for this addition. SBM provided for the extension of the existing normal and emergency power systems, power and lighting design, intercom system extension, and door access control system extension to the new addition. New door access points were coordinated with the vendor on record and provided information detailing the extension of this system from the central security building. Design also provided new graphic annunciator and control boards for the control of the new door access points.





Firm Overview



OUR HISTORY

Architectural success is measured by vision and an unwavering dedication to excellence. This axiom was the philosophical birth of SILLING ASSOCIATES, INC. by H. Rus Warne in 1902. Following the lead of partners like Warne and its namesake, Cy Silling, the firm today has the proud distinction of being the oldest continuing architectural firm in the region and one of the oldest in the eastern United States. Throughout, Silling Associates, Inc. has woven itself into the very fabric of the communities it has served, providing planning and architectural services that have touched the lives of thousands of citizens and delivering landmark projects collectively defining its built environment.

Whether through its early century beaux arts and neo-classical collection, its mid-century modern and post-modern portfolio, or its current contextual vocabulary, Silling has always been renowned as one of the premier architectural firms in the region. Today, our award-winning practice continues to have a powerful impact on the region's architectural landscape through fresh, yet solid design and responsible project management.

DESIGN PHILOSOPHY

At Silling, design drives everything that we do in architecture, planning and interiors. We believe that design fulfills and propels each client's goals and aspirations; that design articulates spaces to new levels of effectiveness; that design engages, inspires and fulfills; and that design elevates the human experience.

We begin each project by listening to our client. We listen to understand a client's vision, goals and objectives. We believe the concept of design in architecture applies not only to sketches, plans, specifications, and the building process, but to every aspect of the project. We design each project in a synthesis of everything that we heard from a client, and of our own professional design expertise—working collaboratively and uniting all professional disciplines in the process to create truly integrated design solutions. We deliver each project with responsive service and technical excellence to the complete satisfaction of our client, which is the ultimate measure of our success. This is why you can depend on Silling to walk you through every phase of the process.

From our firm's inception over 100 years ago, Silling has remained committed to four essential principles: listening to the needs of our clients, understanding the challenges they face, solving their problems, and producing high quality results. These guiding principles are contributing factors to the foundation and success of every project Silling undertakes. We are dedicated to providing outstanding analysis, planning, design, and construction for every one of our projects.



Professional Resume Thomas M. Potts, AIA, Principal

EXPERINENCE & SIGNIFICANT RESPONSIBILITIES

Mr. Potts has twenty years' experience managing and coordinating the efforts of the design team including all design and engineering disciplines. He is the primary point of communications between the client and the architectural and engineering design disciplines. He is responsible for establishing and maintaining project design intent, project design schedule, and budget. As a designer he has extensive experience with a variety of building types, project size/scope, and context. His involvement has included all phases of design from initial programming through the preparation of detailed contract documents and construction. He is currently responsible for the initial schematic design concept solutions including the development of site plans, floor plans, and building image.

Mr. Potts has worked with a wide variety of building types including justice, corporate, health care, financial, educational, governmental, and residential. His justice facilities design experience includes numerous projects with a total cost exceeding \$220 million and more than 1,000,000 square feet. Tom's recent experience as Project Architect and Designer includes the Morgan County Courthouse, Allegany County District Court, West Virginia Lottery Headquarters, Hampshire County Judicial Center, Huttonsville Correctional Center, Star USA Federal Credit Union, Jefferson County Judicial Center, Raleigh County Judicial Center, Greenbrier County Judicial Center, Medina County Courthouse, Stevens Correctional Facility, and New River Community and Technical College.

EDUCATION:

Bachelor of Architecture with High Honors
The University of Tennessee 1990

LICENSES & CERTIFICATIONS:

Licensed to practice architecture West Virginia (1994) , Virginia (2001)

PROFESSIONAL AFFILIATIONS:

West Virginia AIA, Ex-President & Executive Committee Member
Academy for Justice Architecture, American Institute of Architects

AWARDS & RECOGNITION:

2004 AIA WV Honor Award, Excellence in Architecture, Star USA Federal Credit Union * 1989 Hill's Pet Products National Design Competition, First Place Entry, Veterinary Clinic



Stevens Correctional Facility

Corrections

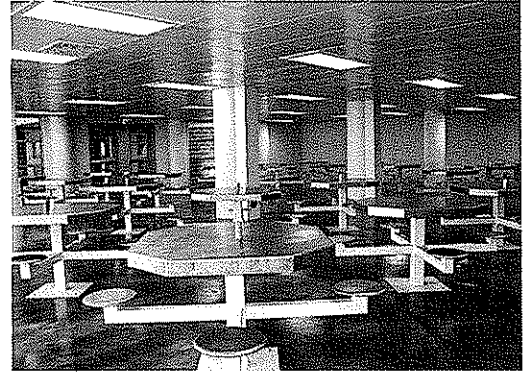
BUILDING AREA:
76,160 gsf

CONSTRUCTION TYPE:
Adaptive Reuse

CONSTRUCTION COST:
\$12,000,000

COMPLETION DATE:
2006

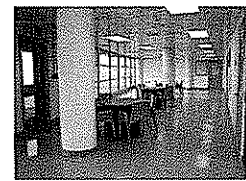
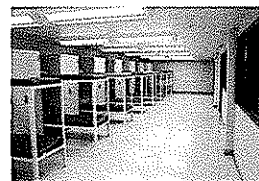
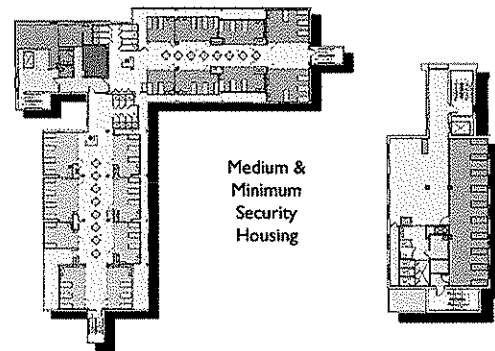
PROJECT CONTACT:
Mr. Jack Caffrey
McDowell Economic
Development Authority
9 Bank Street
Welch, WV 24801
304.436.5291



The Stevens project was an endeavor of the McDowell County Economic Development Authority to convert a former hospital into a state correctional facility. Renovations and additions resulted in housing for 334 inmates and support facilities including classrooms, administration, medical, kitchen and dining, and laundry. Each wing of the four-story 1976 building becomes a housing unit consisting of 46 inmates in double-bunk cells constructed of CMU.

Each housing unit shares a secure indirect supervision unit that promotes efficient staffing and inmate control. Dining, education and administration are located on the ground floor in captured open vehicular circulation space beneath the wings of the 1976 building. Vertical inmate movement and perimeter building/site security is monitored by a master control unit strategically located on the ground floor in the heart of inmate circulation. Master control has direct visual observation of visitation, outdoor recreation, dining and education entrance. The facility features state of the art electronic security video surveillance and perimeter management system.

The project featured a total reconstruction of all interior architectural, mechanical, electrical, fire protection, and communications systems into the shell of the abandoned hospital.





Mount Olive Correctional Center

Corrections

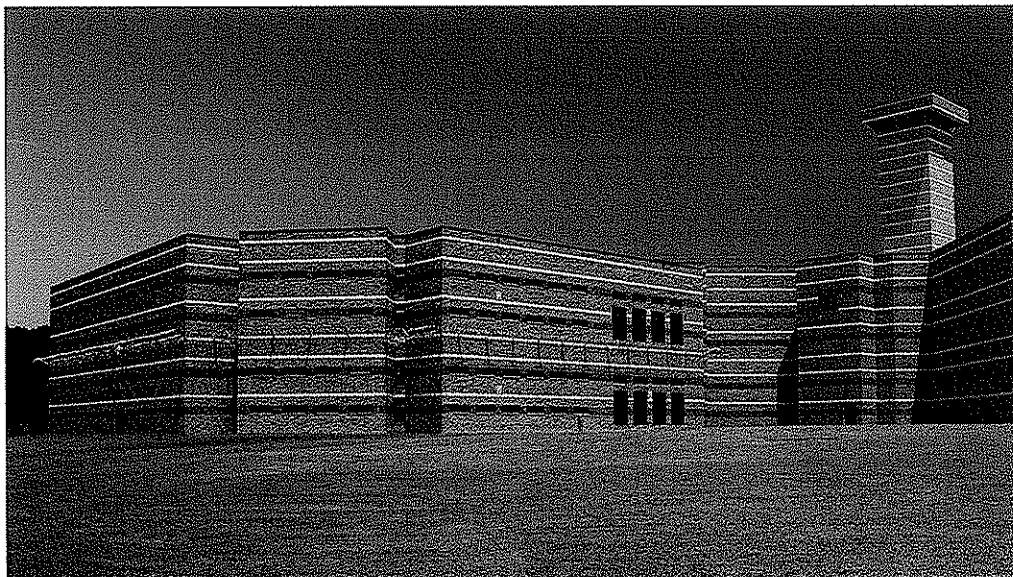
BUILDING AREA:
425,000 gsf

CONSTRUCTION TYPE:
New Construction

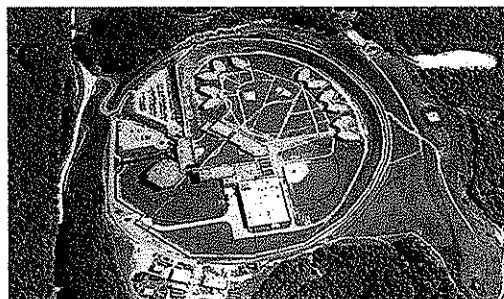
CONSTRUCTION COST:
\$58,000,000

COMPLETION DATE:
1995

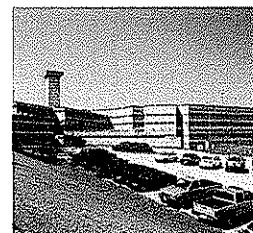
PROJECT CONTACT:
Mr. Steve Cantebury,
Administrative Director
WV Supreme Court
Capitol Complex
Building 1, Room E-100
Charleston, WV 25305-0830
304.558.0145



Mount Olive is West Virginia's primary correctional facility with a capacity of 800 adult male inmates. It is a 425,000 sf campus of fifteen buildings arranged in a classic fan shape arrangement inside a secure compound. The building inventory included medium, maximum and minimum security housing with typical support facilities such as education, recreation, prison industries, kitchen and dining, visitation, intake and classification, medical, and administration.



The 80-acre former strip mine site which had uncontrolled mine overburden fill had been deep mined below, requiring extensive study and engineering to design several different foundation structural systems. The infrastructure and support services were designed for future growth and can accommodate 240 additional beds when needed.



"The Mount Olive complex is not extravagant; it is something totally different. The beauty lies in a public building which constitutes the best evidences of the character of material, success and solidarity, culture and true civilization of the State of West Virginia. It is a stoic and durable structure; proof positive of our great faith and devotion, spirit and values."
--Gregory K. Lipscomb, Upper Kanawha Valley Economic Development Authority



Huttonsville Cell Block Addition Corrections

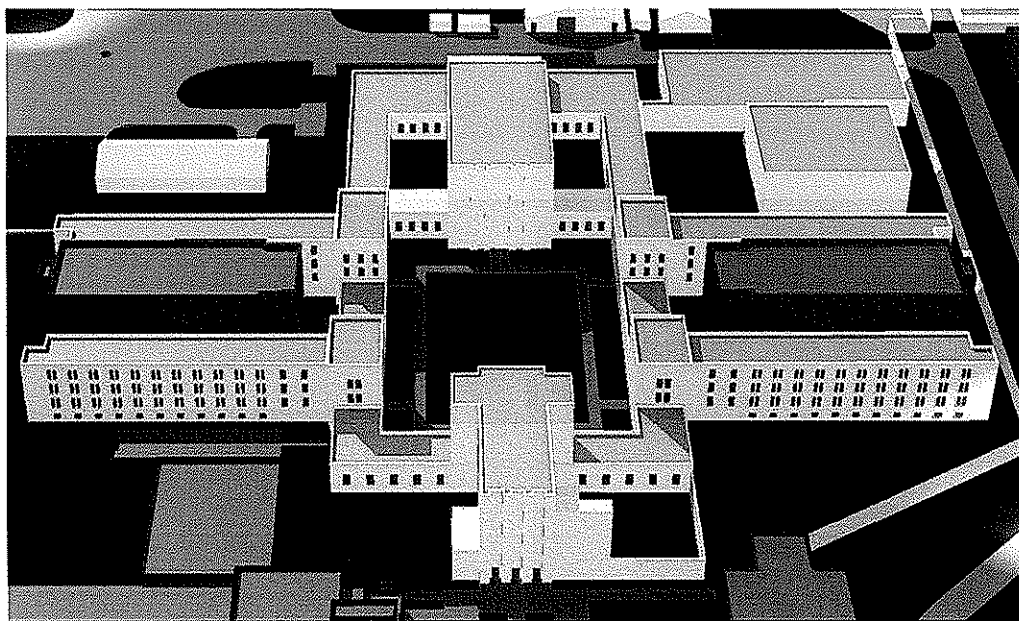
BUILDING AREA:
101,875 gsf

CONSTRUCTION TYPE:
Additions/Alterations

CONSTRUCTION COST:
\$14,000,000

COMPLETION DATE:
2000

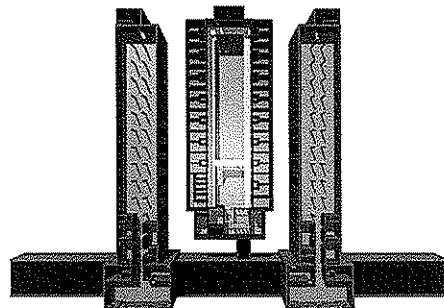
PROJECT CONTACT:
Mr. Steve Cantebury,
Administrative Director
WV Supreme Court
Capitol Capitol Complex
Building 1, Room E-100
Charleston, WV 25305-0830
304.558.0145



Originally designed by Tucker and Silling Architects (a forerunner to Silling Associates) in 1938, the Huttonsville Correctional Center has undergone numerous renovations and additions to maintain its usefulness as a primary adult male correctional facility.

The Huttonsville Correctional Center Cell Block Addition project involved additions and renovations totaling a combined 101,875 square feet and included two, 120-bed medium security cell blocks placed between the existing dormitory components and linked to the primary corridor system.

Additional project components included prison industries, vocational education, administration renovation and addition, security tower, chapel, laundry renovation and addition, kitchen renovation, security fence and high mast lighting, clinical facilities renovation, and mechanical upgrades. The total construction cost was \$14,048,000 and the project was completed in 2000.



GENERAL REFERENCES

HUTTONSVILLE CORRECTIONAL CENTER

Route 250 S
Huttonsville, WV
Phone: (304) 558-3026

MARSHALL UNIVERSITY

400 Hal Greer Boulevard - Old Main 114
Huntington, WV 25755
Ron May
Director of Facilities Planning
Phone: (304) 696-3297

NORTHEASTERN OHIO UNIVERSITIES COLLEGE OF MEDICINE

4209 State Route 44
Rootstown, OH 44272
Blaine Wyckoff
Director of Physical Plant
Phone: (330) 325-2511

PRUNTYTOWN CORRECTIONAL

Rt. 4 Box 49A
Grafton, WV 26354
Frank Jenkins
Phone: (304) 265-6111

KING'S DAUGHTERS MEDICAL CENTER

2201 Lexington Avenue
Ashland, KY 41101
David Childers
Construction Coordinator
Facilities/Support Services
Phone: (606) 327-7544

MUSKINGUM COLLEGE

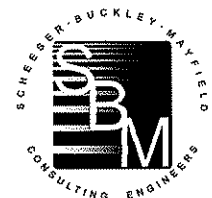
163 Stormont St.
New Concord, OH 43762
Jim Heidler
Phone: (740) 826-8161

OHIO REFORMATORY FOR WOMEN

1479 Collins Avenue
Marysville, Ohio 43040
Kevin Russell
Phone: (614) 644-5903

THOMAS MEMORIAL HOSPITAL

4605 MacCorkle Ave. S.W.
South Charleston, WV 25309
Cindy Barnett
Phone: (304) 766-3710



SCHEESER BUCKLEY MAYFIELD LLC

TESTIMONIALS

"On Saturday June 6 we got our first live test of the generator and switchgear, at approximately 10:50am there was a vehicle accident that knocked out power to the facility. The generator worked to perfection powering the facility until 1:00pm. Our appreciation goes out to your team for a job well done."

Frank Jenkins
Building/Grounds Manager
Pruntytown Correctional Center

I am writing this letter to thank you for your excellent support and engineering leadership that you have provided the Jackson Local School district for over twenty-five years. As a team, you have worked with me and my staff to design and build or renovate all of the buildings in our school district. The results have been extremely successful and because of your quality engineering and design our district facilities will provide the Jackson School district with modern and extremely energy efficient buildings that will save the district in both energy savings and the cost to maintain these facilities.

Your staff was always willing to listen to our district needs and concerns for our buildings and we spent considerable time planning and reviewing all of the important components that your engineers put together to design our physical plants that were both effective and easy to operate and maintain. One of our first projects, the Jackson Memorial Middle School is now approaching its twentieth year of operation and the designed and installed equipment is still operating in excellent condition with a excellent history of low maintenance costs and a great track record for energy savings that has been controlled and monitored by the energy management system that you incorporated into the buildings physical plant.

Several of our facilities were total renovations that became new buildings because of the quality and thorough design that your team put into these buildings. Our smaller elementaries were all 1960's vintage and your design and rework of the lighting, the heating and now added cooling systems, and all new plumbing and lavatories made these buildings bright and new and at much reduced cost as compared to a new building. These facilities will provide another fifty years of service at a much lower cost to the district taxpayers.

Our final project was the addition and renovation of our thirty year old high school that due to district growth was in need of more classrooms and larger ancillary facilities to handle this growth. The addition and the total rework of the buildings physical plant , lighting systems and both electrical and plumbing systems, all safety and fire codes, and all of the architectural design has brought this building back as the flagship for our district. It is now able to accommodate all of the educational needs of the district and serves as a community center with the beautiful Commons and Center for the Performing Arts. The community is amazed as to what the capabilities of this facility have become and all of the different school functions and community events that this building is now able to accommodate. Due to your standardization of the physical plant equipment throughout our district buildings including this project, the district is able to operate and maintain our buildings with much less maintenance costs and a greatly reduced inventory of replacement parts.

Finally, I think it is also important to say thank you for all of the continued and ongoing support that your staff has provided our district long after the projects were done and the warranties expired. I know that my questions and calls to your firm should have probably been directed to contractors or manufactures, but your team was always willing to provide the necessary answers in a very positive and supportive manner. It is due to this great support that our district facilities have such a great track record for always being a safe and quality environment for our staff and students.

I can only say that it has been a privilege to work with such a great team of engineers and support staff have always made the Jackson Local Schools a priority in this long an successful relationship. I will always value these times that we worked together and the great results that we accomplished as a team.

Michael D. Schwartz
Director of Facilities
Jackson Local Schools

"Scheeser Buckley Mayfield (SBM) has provided me creative engineering design solutions for new construction and renovations of high- and low-rise buildings for our corporate offices, data centers, and light industrial facilities. They have provided me mechanical and electrical system designs that are cost effective, practical, reliable, maintainable, and energy efficient.

I consider our approach a "partnership", by encouraging an active exchange of ideas from project start-up thru construction, defining project goals and objectives and keeping an open dialog throughout the design evolution.

SBM consistently meets their schedule commitments and their budget projections."

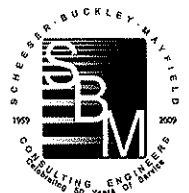
Stan Racketta, P.E.
FirstEnergy Real Estate and Facilities
FirstEnergy Corporation, A-GO-1

"SBM has been providing various engineering services for Thomas Memorial Hospital located in South Charleston, West Virginia for approximately the past ten years. They have worked on renovation projects involving difficult upgrading of the oldest portions of facility to meet today's standards and regulatory requirements, designed and staged renovation of areas of the hospital which could not be closed even for a short period of time and provided state of the art designs for new facilities. The professionals associated with this firm have provided timely, accurate work product taking into account the most economic approach to meet the need. Without hesitation, I would recommend SBM for any engineering needs."

Cynthia Wegley Barnette
Senior V.P. Legal/Construction
Thomas Health System, Inc.

"I have been with Saint Mary's Medical Center since March 2006 as Director of Facility Operations and since that time I have found SBM has been the Engineering group of choice at the Facility since the mid 1980's. While working with my previous employers I was unable to have any experience with SBM so I was very curious to see how they would be to work with. My conclusion of SBM as a company that provides integrity and the highest level of professionalism did not take long because of the many ongoing projects as well as the projects in planning. Having said this I was very pleased to see the way your company interacted and worked to benefit our facility needs and the support they are still providing."

Steve D. Nelson
Director Facility Operations
St. Mary's Medical Center

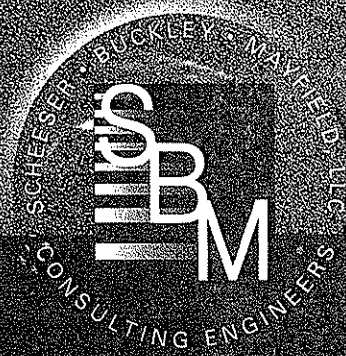


"As the energy manager for the largest hospital system in Akron Ohio I have had the opportunity to work with many engineers and engineering firms over my 30 plus years of service. I have not found any firm to be more knowledgeable and cooperative on projects of all sizes. Whether it is a simple air handling unit replacement or a major surgical addition I can count on Scheeser Buckley Mayfield for excellent engineering, creative solutions and superb documentation. I highly recommend Scheeser Buckley Mayfield for Mechanical, Electrical, and Site Civil engineering for projects of all types and sizes. "

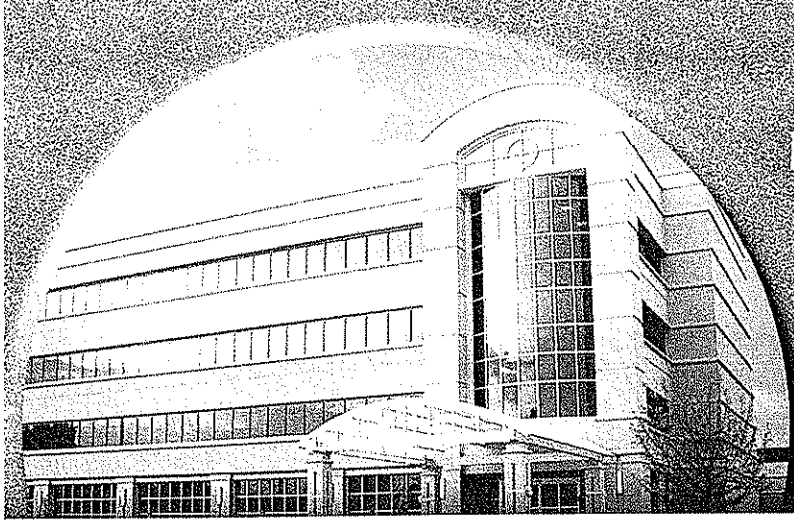
Mark Barich
Summa Health System
Facilities Engineering, Energy Manager



Transforming ideas into solutions



Mechanical • Electrical • Site Civil • Telecommunications



Philosophy

Thomas Memorial Hospital South Charleston, WV
Medical Office Pavilion and Hospital Addition

Construction Cost: \$40,000,000

Scope: Mechanical and electrical systems.

This 80,000 sq. ft. addition is four stories and basement. The new hospital laboratory occupies the basement while the first floor houses an expanded radiology department and upper floors are doctors' offices.

Philosophy

Building systems design, when correctly executed, masterfully transforms technology-driven ideas into performance-oriented solutions.

Most critical to systems design is technical competence. The very latest proven technology must be carefully selected to fit specific project requirements. High-tech working systems that meet the most stringent, complex performance criteria are frequently required by our clients.

The best mechanical and electrical systems designs go beyond the purely technical. These designs not only meet the most demanding operational requirements, but also help define the personality and character of the building. They transcend building operations to contribute to the total building experience.

Transformation of ideas into solutions is the core upon which Scheeser Buckley Mayfield is built.

Systems design

Every Scheeser Buckley Mayfield mechanical and electrical system is designed in harmony with the entire building, so all systems flow and work together efficiently.

As an integral part of the building design team, we strive to create systems that fit naturally into the building's character and comfortably into the overall budget.

Because we take this responsibility seriously, we do everything necessary to design systems that fit your needs.

Scheeser Buckley Mayfield excels at working closely with architects and owners to maximize system efficiency. We strive for a design process that allows us to thoroughly understand your objectives and meet all your expectations.

One of Scheeser Buckley Mayfield's guiding philosophies is that quality is defined by our clients. We take care not to over or under design but instead give you choices, think ahead, and design systems that will do the job you need them to do.

We work hard at every stage of a project – initial consultation, design, construction and building commissioning – to provide services of the highest value.

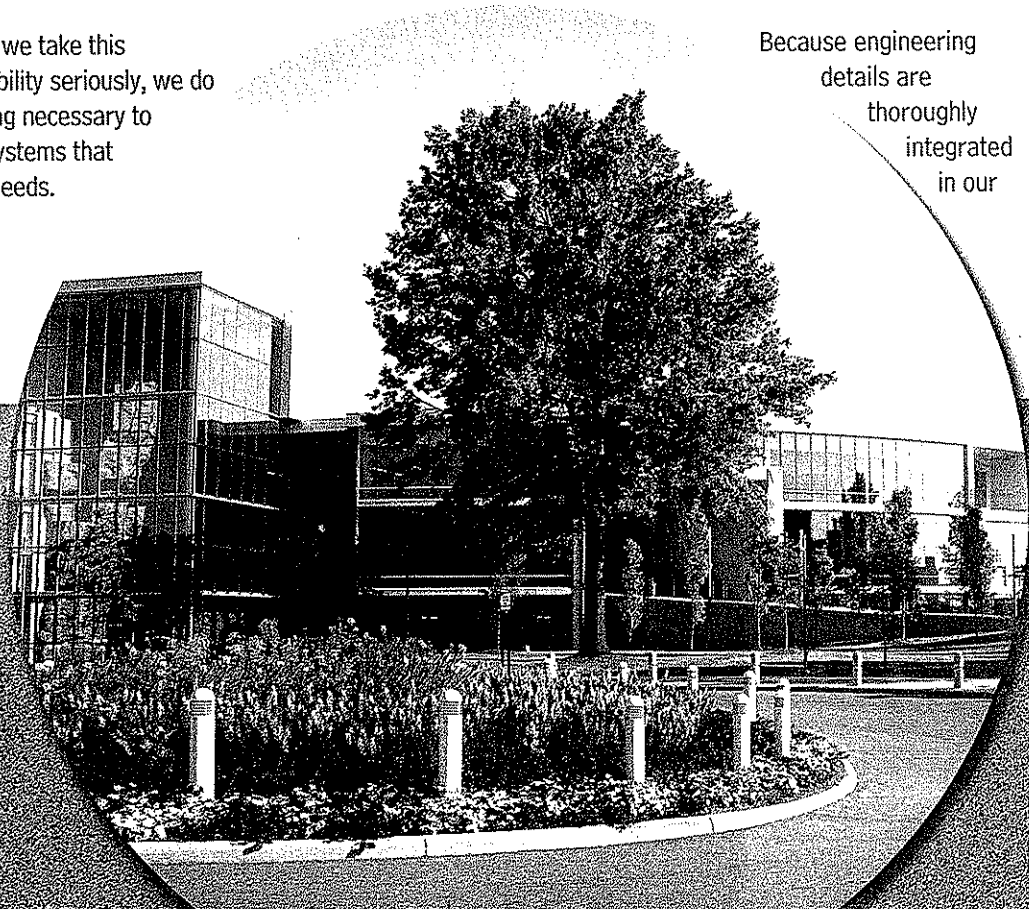
Technical expertise

Scheeser Buckley Mayfield is recognized for precise technical drawings and uncompromising attention to detail.

Our mechanical and electrical design engineers carefully consider overall systems design, analyzing how every part works in conjunction with every other part of the system.

Because engineering details are thoroughly integrated in our

Systems design



Technical expertise

designs, contractors can more effectively bid on and construct Scheeser Buckley Mayfield systems. This greatly reduces misinterpretation and costly problems that must be solved during the construction process.

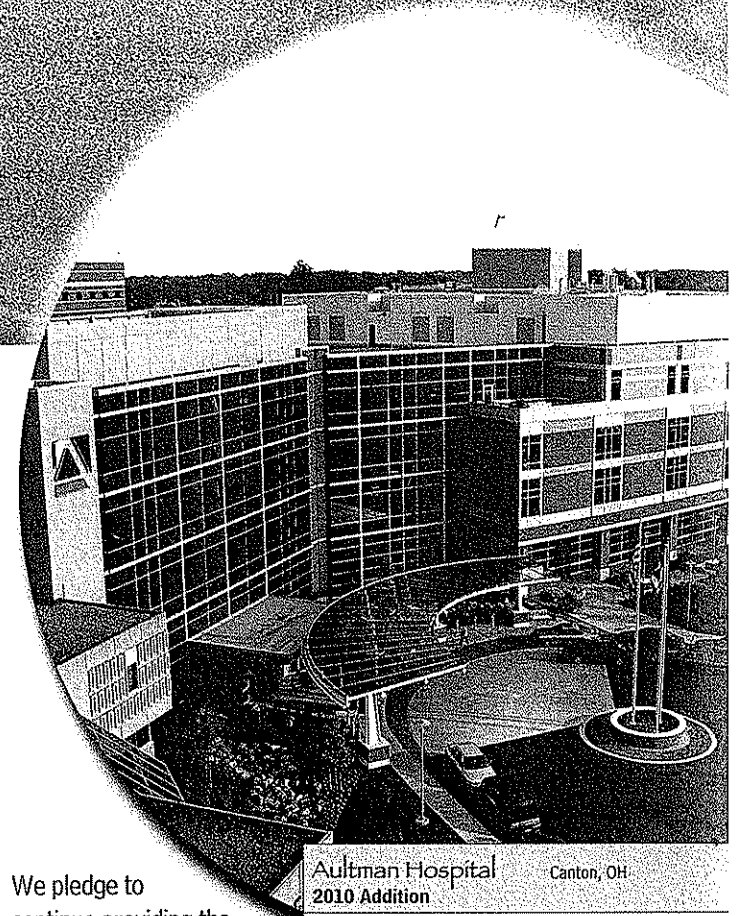
The bottom line is that we help deliver systems that meet your expectations with no unpleasant surprises.

Our legacy

Through years of growth and changes, Scheeser Buckley Mayfield has led the industry in innovation, quality and creativity. Our designs have ranged from the simplest concepts to the most complex, intricate mechanical and electrical systems.

Scheeser Buckley Mayfield traces its roots to electrical and mechanical firms, started by Rex Mayfield, Ned Buckley and Walt Scheeser, that began offering

engineering services in 1958. The firm is currently managed by the third generation of partners. All partners in the firm currently participate in some level of project oversight as well as conduct the day-to-day business of the firm. The structure of the firm includes design teams for mechanical, electrical, telecommunications and site civil disciplines. Each design team is led by a Partner and includes experienced professional engineers, who act as Project Managers, complemented by other engineers and designers. CADD and clerical departments are shared by the teams. This team approach is used to provide management and design continuity for projects, with flexibility to allow teams to add or shed personnel as project loads shift. This management structure has been in use for over 15 years and continues to satisfy our clients while maintaining an efficient operating model for the firm.

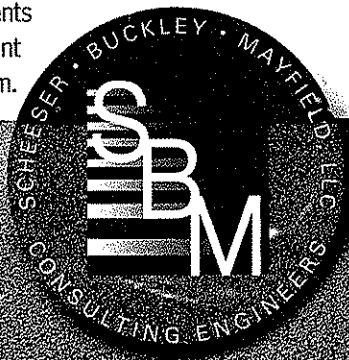


Aultman Hospital
2010 Addition Canton, OH

Construction Cost: \$50,000,000

Scope: Mechanical, electrical and site-civil systems
New 300,000 sq. ft. four-story medical building houses a Heart Center, Women's Center, and Emergency Department. Features include a fully-sprinkled building, central plumbing equipment and systems, digitally-controlled HVAC equipment and efficient lighting systems. Installed new storm sewers while maintaining operational integrity of the existing system. A rooftop penthouse mechanical room houses a central chilled water plant with a capacity of 2,000 tons.

We pledge to continue providing the best possible mechanical, electrical, telecommunications and site civil engineering services to our growing list of clients. More importantly, we will continue to transform the best ideas into effective solutions.



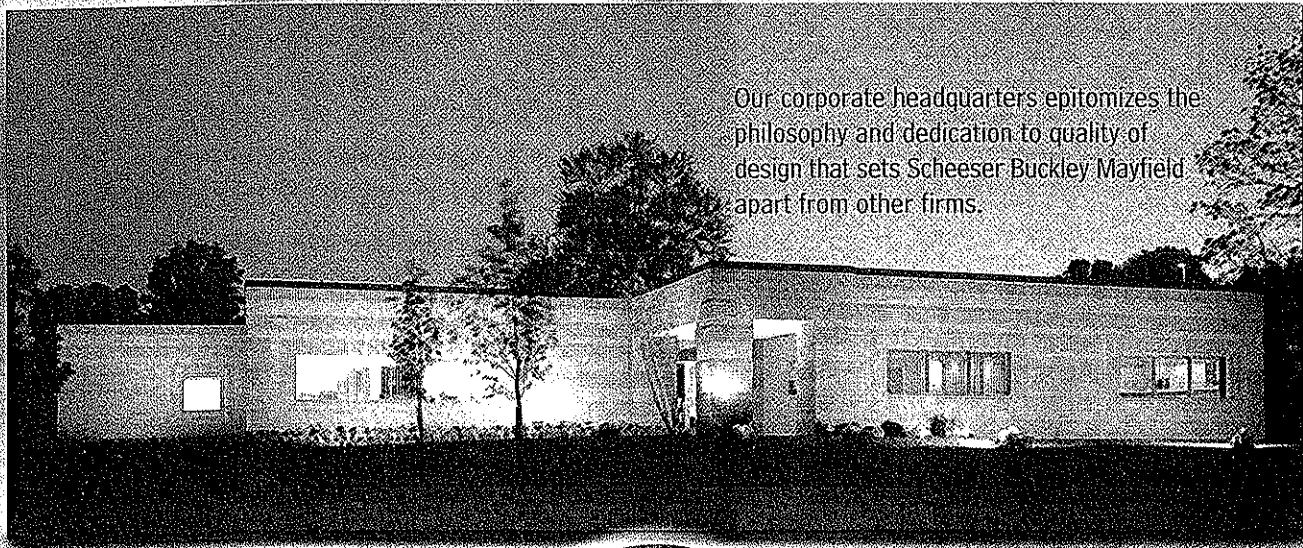
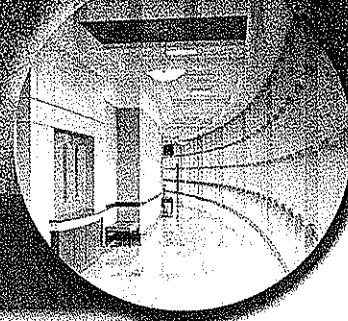
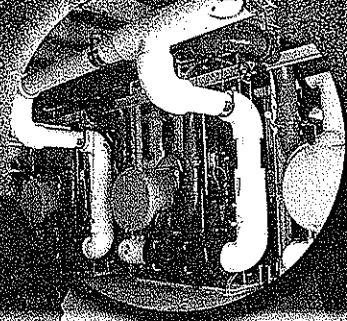
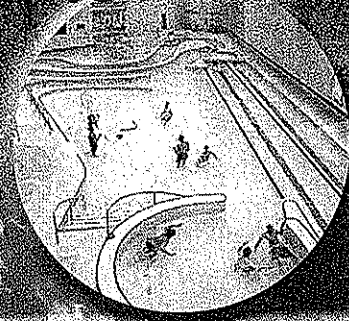
The University of Akron
New Student Recreation Center Akron, OH

Construction Cost: \$41,000,000

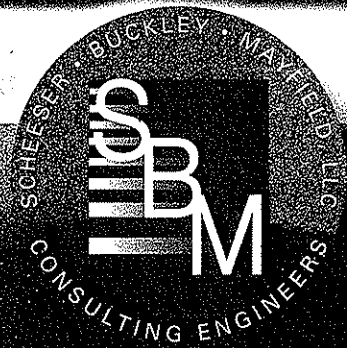
Scope: Mechanical, electrical and telecommunications systems

New 139,528 sq. ft. rec center has two gymnasiums, indoor golf facility, natatorium, fitness center, juice bar, indoor track and more. Relocated existing utilities with minimal disruption and downtime. Carefully coordinated HVAC systems to maintain aesthetic appearance. Extended existing 23kV service across campus. 200kVA generator provides emergency lighting, power. Distinctive, functional "light-pipe" lighting. Complete fire-alarm, P.A. and open-architecture telecommunication systems.

to meet the challenges of tomorrow



Our corporate headquarters epitomizes the philosophy and dedication to quality of design that sets Scheeser Buckley Mayfield apart from other firms.



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