

State of West Virginia
Division of Corrections
St. Mary's Correctional Center

L. ROBERT KIMBALL & ASSOCIATES, INC.

EXPRESSION OF INTEREST
08.20.09



RECEIVED
2009 AUG 20 AM 9:46
WV PURCHASING
DIVISION

Kimball
ARCHITECTURE



August 19, 2009

John Abbott, Buyer
State of West Virginia Department of Administration
Purchasing Division
2019 Washington Street, East
Building 15
Charleston, WV 25305-0130

RE: Response to Request for Expressions of Interest
St. Mary's Correctional Center
RFQ No. COR61430

Dear Mr. Abbott:

L. Robert Kimball & Associates, Inc. (Kimball) is pleased to submit herewith its Expression of Interest to provide design and construction phase services for various projects at St. Mary's Correctional Center.

Kimball is among the leaders in correctional design East of the Mississippi, having designed facilities in 17 states including West Virginia. The firm has designed more than 150 correctional facilities over the past 35 years and one of the unique qualifications of the firm is that the designers of the facilities and associated security systems continue to function in those roles. Kimball's experience serving as Professional of Record for these projects provides the State of West Virginia with an extensive knowledge base from which to draw. This extensive experience will help to ensure the successful completion of your projects.

Kimball is a full-service firm with all building-related architectural and engineering disciplines in-house required for design and construction phase services. This minimizes coordination and scheduling issues. Our in-house resources include architecture and building systems engineering, security systems design, civil and environmental engineering, transportation engineering, telecommunications, hazardous materials abatement, and surveying. Our in-house capabilities are enhanced with the addition of Burgess & Niple, Inc. to our proposed team for this project. Burgess & Niple, located in Parkersburg, WV, will provide site/civil engineering services for the projects at St. Mary's Correctional Center.

ARCHITECTURE | ENGINEERING | TECHNOLOGY | CONSULTING

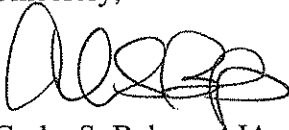
John Abbott, Buyer
August 19, 2009
Page Two

Kimball offers the following for consideration by the State of West Virginia:

- Over 550 Staff to Serve the West Virginia Division of Corrections
- Over 150 Correctional Facility Projects Completed in 17 States in the Past 35 Years
- Over 50,000 Beds Designed With a Constructed Value in Excess of \$3 Billion
- Ranked #3 in Criminal Justice by *World Architecture Magazine* for 2008
- Awarded 25 National Design Awards for Jails and Justice Facilities by the American Correctional Association (ACA) and/or the American Institute of Architects (AIA)
- Sufficient Staff Capacity to Immediately Focus on these Projects In Order to Meet the Project Schedules

We welcome your review of the enclosed materials and look forward to having the opportunity to further explain and qualify our abilities and commitment.

Sincerely,



Csaba S. Balazs, AIA
Senior Vice President
A/E Division

CSB/smw
proposal\coverltr



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

Request for Quotation

RFQ NUMBER
COR61430

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF
JOHN ABBOTT
304-558-2544

RFQ COPY

TYPE NAME/ADDRESS HERE

L. ROBERT KIMBALL & ASSOCIATES, INC.
 615 WEST HIGHLAND AVENUE
 P. O. BOX 1000
 EBENSBURG, PA 15931

DIVISION OF CORRECTIONS
ST. MARYS CORRECTIONAL CENTER
(COLIN ANDERSON CENTER)
STATE ROUTE 2
ST. MARYS, WV
26170 **304-558-2036**

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
08/03/2009				

BID OPENING DATE: **08/20/2009** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		906-07		
<p>ARCHITECT SERVICES, PROFESSIONAL</p> <p>EXPRESSION OF INTEREST (EOI)</p> <p>CONTRACT TO PROVIDE ARCHITECT & ENGINEERING SERVICES FOR THE WEST VIRGINIA DIVISION OF CORRECTIONS, ST. MARY'S CORRECTIONAL CENTER, ST. MARYS, WV, PER THE ATTACHED DOCUMENTATION.</p> <p>NOTICE</p> <p>A SIGNED BID MUST BE SUBMITTED TO:</p> <p>DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130</p> <p>THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:</p> <p>SEALED BID</p> <p>BUYER: JOHN ABBOTT (32)-----</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS		
SIGNATURE	TELEPHONE 814-472-7700	DATE 8/19/09
TITLE CSABA S. BALAZS, AIA SENIOR VICE PRES.	25-1672754	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



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

Request for Quotation

RFQ NUMBER
COR61430

PAGE
2

ADDRESS CORRESPONDENCE TO ATTENTION OF
**JOHN ABBOTT
 304-558-2544**

PURCHASING DIVISION

RFQ COPY

TYPE NAME/ADDRESS HERE

**L. ROBERT KIMBALL & ASSOCIATES, INC.
 615 WEST HIGHLAND AVENUE
 P. O. BOX 1000
 EBENSBURG, PA 15931**

SHIP TO

**DIVISION OF CORRECTIONS
 ST. MARYS CORRECTIONAL CENTER
 (COLIN ANDERSON CENTER)
 STATE ROUTE 2
 ST. MARYS, WV
 26170 304-558-2036**

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BID OPENING DATE: **08/20/2009** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
				RFQ. NO. : COR61430		
				BID OPENING DATE: 8/20/2009		
				BID OPENING TIME: 1:30 PM		
				PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID:		
				814-472-7712		
				CONTACT PERSON (PLEASE PRINT CLEARLY):		
				CSABA S. BALAZS, AIA		
				***** THIS IS THE END OF RFQ COR61430 ***** TOTAL:		

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE 814-472-7700	DATE 8/19/09
TITLE CSABA S. BALAZS, AIA SENIOR VICE PRES	25-1672754	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

STATE OF WEST VIRGINIA
Purchasing Division**PURCHASING AFFIDAVIT****VENDOR OWING A DEBT TO THE STATE:**

West Virginia Code §5A-3-10a provides that: No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owed is an amount greater than one thousand dollars in the aggregate.

PUBLIC IMPROVEMENT CONTRACTS & DRUG-FREE WORKPLACE ACT:

If this is a solicitation for a public improvement construction contract, the vendor, by its signature below, affirms that it has a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the **West Virginia Code**. The vendor **must** make said affirmation with its bid submission. Further, public improvement construction contract may not be awarded to a vendor who does not have a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the **West Virginia Code** and who has not submitted that plan to the appropriate contracting authority in timely fashion. For a vendor who is a subcontractor, compliance with Section 5, Article 1D, Chapter 21 of the **West Virginia Code** may take place before their work on the public improvement is begun.

ANTITRUST:

In submitting a bid to any agency for the state of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the state of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the state of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the state of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership or person or entity submitting a bid for the same materials, supplies, equipment or services and is in all respects fair and without collusion or fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

LICENSING:

Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agencies or political subdivision. Furthermore, the vendor must provide all necessary releases to obtain information to enable the Director or spending unit to verify that the vendor is licensed and in good standing with the above entities.

CONFIDENTIALITY:

The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf>.

Under penalty of law for false swearing (**West Virginia Code** §61-5-3), it is hereby certified that the vendor affirms and acknowledges the information in this affidavit and is in compliance with the requirements as stated.

Vendor's Name: L. ROBERT KIMBALL & ASSOCIATES, INC.Authorized Signature:  Date: 8/19/09

Purchasing Affidavit (Revised 01/01/09) CSABA S. BALAZS, AIA, SENIOR VICE PRESIDENT

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SECTION 1 FIRM QUALIFICATIONS

SECTION 2 RELATED EXPERIENCE



SECTION 3 PROJECT TEAM

SECTION 4 PROJECT APPROACH

FIRM QUALIFICATIONS



Kimball is a professional services firm comprised of the following collaborative service groups: architecture, engineering, technology, and consulting. Founded in the 1950s, today's Kimball has evolved into a contemporary, multifaceted, full-service solution provider. As one of the largest A/E providers in the market, Kimball services a diverse clientele across the eastern U. S. with designs that meet and exceed their expectations.

With its headquarters in Ebensburg, Pennsylvania, Kimball has offices in seven states and employs over 550 professionals. The architectural practice is represented in five Pennsylvania offices: Pittsburgh, Philadelphia, Ebensburg, State College, and Harrisburg. We operate as a "virtual studio", applying the best available resources from our national network of offices for our clients.

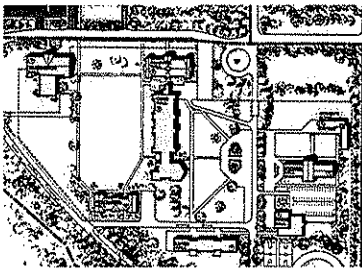
Kimball Architecture is structured around sole-source, full-service capabilities. Our teams are led by industry experts who provide the best design knowledge available to our clients. When our expertise is combined with our full-service approach to project delivery including all building and site-related engineering disciplines as well as security systems design, a higher probability of project success with minimal risk can be obtained.

Kimball emphasizes a strong project manager approach to project delivery. Our project managers are trained in the latest methodology created by the Project Management Institute (PMI) and many are certified as Project Management Professionals (PMP). The project manager's responsibility is to act as your day-to-day contact with our team and successfully deliver your project on time and within budget.

PHILOSOPHY

We believe that design should:

- Enhance strategic objectives for a client's business or an institution to achieve its vision, mission, and operational goals.
- Minimize impact on the environment through sustainability.
- Improve existing spaces, create a sense of place, and be contextually responsible.
- Balance needs, quality, cost, and time to ensure feasibility and success of the project.



KIMBALL FOUR PRIMARY DISCIPLINES:

- Architecture
- Engineering
- Technology
- Consulting

IN-HOUSE SERVICES

Kimball is a full-service architectural and engineering firm with over 550 employees. We provide services as diverse as architecture, engineering, land planning, environmental sciences, telecommunications, surveying, mapping, and transportation. We provide each client with a single point of contact for all of their planning and design needs. Our in-house services include:

ARCHITECTURE

- Master planning
- Land planning
- Feasibility studies
- Programming
- Facility assessment
- Building design
- Sustainable "Green" design
- 3-D modeling
- Landscape architecture
- Interior design
- Security systems design

ENGINEERING

- Civil
- Mechanical
- Electrical
- Structural
- Environmental
- Geotechnical
- Traffic and transportation

TELECOMMUNICATIONS, SECURITY, AND TECHNOLOGY

- Integration of multimedia systems
- Internet and distance learning systems
- Local Area Network (LAN) and Wide Area Network (WAN) connectivity
- Information security systems
- Audio/Visual systems

CONSTRUCTION ADMINISTRATION

- Bid procedure assistance
- Construction observation

IN-HOUSE SERVICES *CONTINUED*



CONSULTING

In addition to the foregoing design and technical services, Kimball Architecture also offers the following consulting services:

Planning

- Strategic design
- Needs assessment
- Implementation plans
- Security consulting
- Cost estimating/project budgeting
- Site selection
- Facilities assessments
- Revenue generation consulting
- USGBC LEED® Certification consulting

Security Consulting

- Risk assessments
- Risk mitigation plans
- Implementation plans

ABOUT THE FIRM

Burgess & Niple (B&N) was founded in 1912 in Columbus, Ohio and has provided professional engineering and design services continuously since that time. In 1972, B&N established an office in Parkersburg, West Virginia to better serve municipal, county, state and federal clients in the West Virginia and southeast Ohio region. In addition to our Columbus headquarters, our firm operates 19 offices located in nine states.

B&N's business development focus is on planning and design for projects in five core service areas, which include:

Architecture	Transportation
Environment	Utility Infrastructure
Land Development	

B&N's 630-person staff includes professionals in a broad range of engineering, architectural, and scientific disciplines. Our design professionals are supported by experienced technicians, drafters, construction representatives, and administrative staff. We have an excellent reputation for quality and integrity in engineering and architecture services, and we work hard to provide the highest quality service to meet our clients' project objectives.

The size and diversity of B&N's services can be measured by our inclusion in *Engineering News Record's* list of the Top 500 Design Firms in the United States. In 2009, *ENR* ranked B&N 129th (based on 2008 total billings). We are proud of our record of growth and strive to provide close personal service to all of our government, institutional, business and individual clients. One measure of success in this effort is the fact that 80 percent of our annual business is contracted with previous clients. We are extremely proud of this ultimate testimony to our performance.

B&N routinely collaborates with small, medium and large consulting firms to lead or assist with the planning and design of utility infrastructure, architectural, and transportation improvements. B&N's role can be large or small, depending upon the needs of the consultant team. For the St. Mary's Correctional Center Project, B&N will provide Kimball with civil/site design services. Our Parkersburg office, which is located approximately 20 miles from the project site, will provide efficient and prompt civil/site design services that will assist Kimball and the West Virginia Division of Corrections with obtaining necessary approvals from State regulatory agencies.

v Core Services



Architecture

- Building Evaluations
- Programming
- Building Design
- Interior Design
- Space Planning
- Landscape Architecture
- Civil Engineering
- Structural Engineering
- Mechanical Engineering
- Electrical Engineering

Utility Infrastructure

- Utility Evaluations
- Water Distribution Systems
- Sanitary Sewer Systems
- Water and Wastewater Treatment
- Watershed Planning
- Stormwater Management
- Reservoir and Dam Studies
- Hydraulic Structures
- Rate Studies
- Sludge Handling
- Construction Inspection Services

Environment

- Site Assessments
- Compliance Assistance
- Brownfield Redevelopment
- Hazardous Waste Management
- Environmental Engineering
- Geotechnical Services
- Wetlands
- Groundwater Investigations

Transportation

- Bikeways and Pedways
- Street and Highway Design
- Stadium Inspections
- Bridge Design and Inspections
- Traffic Engineering
- Railway Design
- Transportation Planning
- Travel Demand Forecasting

Land Development

- Plan Reviews
- Project Feasibility
- Master Planning
- Site Plan Design
- Traffic Studies
- Utility Systems
- Landscape Architecture
- Boundary and Topo Surveys
- Geology and Hydrology
- Grading and Drainage Design
- Wetland Delineation
- Environmental Assessment
- Zoning and Permit Assistance
- Surveying

RELATED EXPERIENCE

KIMBALL

CORRECTIONS ARCHITECTURE

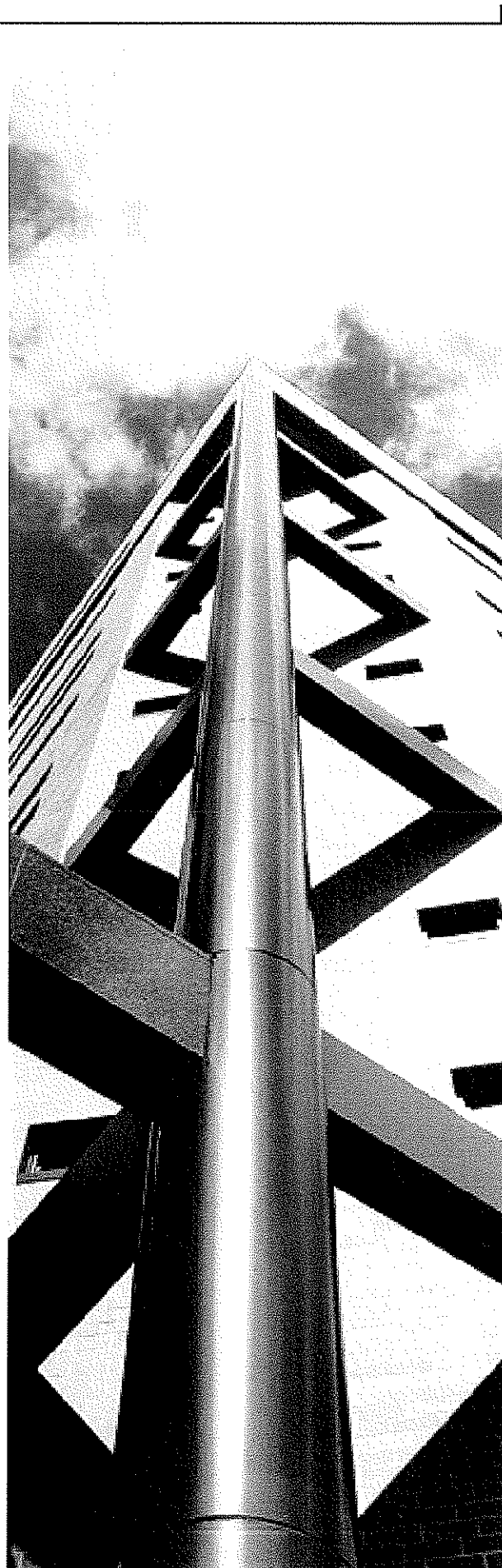
For over 35 years, Kimball has provided needs assessments, feasibility studies, programming, and design services for more than 150 correctional facility projects in 17 states representing the three basic architectural/management models: Linear-Intermittent Surveillance, Podular-Remote Surveillance, and Podular-Direct Supervision. In each case, our experience indicates the need to analyze a proposed project for three important considerations:

- Construction Cost
- Long-Term Operational Cost
- Effectiveness of Management

While Kimball has designed facilities for municipal, county, regional, state, and federal jurisdictions, the vast majority have been for county governments. Our services have included work in West Virginia, Pennsylvania, New York, Ohio, Wisconsin, New Hampshire, Florida, Michigan, New Jersey, Maryland, Virginia, North Carolina, Missouri, Louisiana, Delaware, Minnesota, and Georgia. We recognize the need for efficiency of the plan, cost-effective solutions minimizing staff and energy consumption, and maximum flexibility in dealing with future needs of the facility.

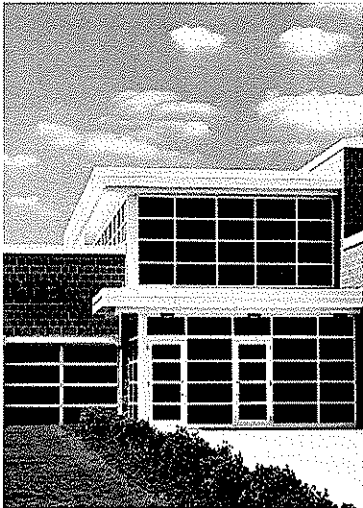
HIGHLIGHTS:

- **Over 50,000 Beds Designed to Date**
- **Current Value of Beds Designed in Excess of \$3 Billion**
- **25 National Justice Awards (ACA and/or AIA)**
- **Ranked #3 in Criminal Justice by *World Architecture Magazine* for 2008**



KIMBALL QUALIFICATIONS

JUSTICE FACILITY AWARDS



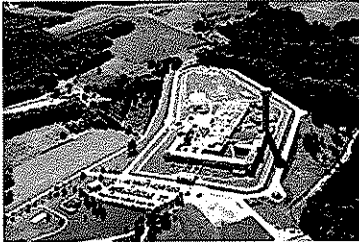
The following is a list of projects designed by Kimball that have been recognized by the American Correctional Association and/or the American Institute of Architects for "Design Excellence".

- 2005 Franklin County Jail, Chambersburg, PA
- 2001 Ontario County Jail, Canandaigua, NY
- 1999 Beaver County Jail, Hopewell Township, PA
- 1998 Atlantic City Public Safety Building, Atlantic City, NJ
- 1997 Blair County Courthouse Addition, Hollidaysburg, PA
- 1995 Cambria County Prison, Ebensburg, PA
- 1994 Lawrence County Prison, New Castle, PA
- 1993 Beaver County Jail, Beaver, PA
- 1992 Erie County Prison, Erie, PA
- 1992 Allegheny County Jail, Pittsburgh, PA
- 1991 Dare County Jail (Direct Supervision Design), Manteo, NC
- 1991 Pike County Jail, Blooming Grove, PA
- 1990 Waukesha County Jail, Waukesha, WI
- 1990 Westmoreland County Prison, Greensburg, PA
- 1989 Lehigh County Prison, Allentown, PA
- 1989 Venango County Prison, Sugar Creek, PA
- 1988 Lancaster County Prison, Lancaster, PA
- 1987 Somerset County Jail, Somerville, NJ
- 1986 Hillsborough County Correctional Facility, Manchester, NH
- 1985 Dare County Jail (Indirect Surveillance Design), Manteo, NC
- 1985 SCI Cresson, PA Department of Corrections, Cresson, PA
- 1984 Wyoming County Jail, Tunkhannock, PA
- 1983 Lycoming County Prison, Williamsport, PA
- 1982 Warren County Correctional Center, Belvidere, NJ
- 1979 Warren County Jail, Warren, PA

Kimball was also awarded the "1998 Honor Award for Engineering Excellence for Energy" by the Consulting Engineers Council of Pennsylvania. This award was offered for the high-efficiency heating and cooling system designed by Kimball for the Cambria County Prison in Ebensburg, PA.

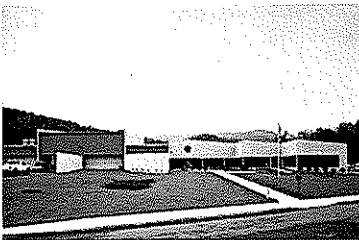
SELECT CORRECTIONS PROJECTS

FEDERAL AND STATE GOVERNMENT:



FCI LORETTO
LORETTO, PA

500 BEDS
DIRECT SUPERVISION MANAGEMENT MODEL



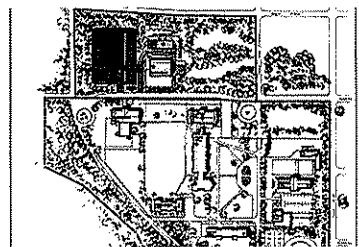
ANTHONY CORRECTIONAL CENTER (YOUTHFUL OFFENDER)
WHITE SULPHUR SPRINGS, WV

200 BEDS
DIRECT SUPERVISION MANAGEMENT MODEL



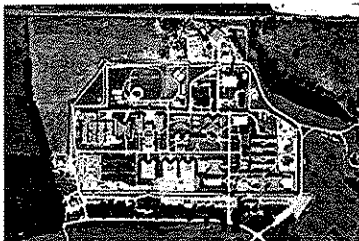
SCI ALBION
ALBION, PA

1,650 BEDS
DIRECT SUPERVISION MANAGEMENT MODEL



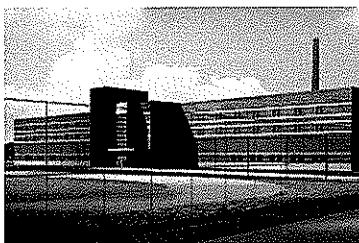
SCI CAMBRIDGE SPRINGS
CAMBRIDGE SPRINGS, PA

500 BEDS
DIRECT SUPERVISION MANAGEMENT MODEL



SCI CAMP HILL
CAMP HILL, PA

3,500 BEDS
DIRECT SUPERVISION MANAGEMENT MODEL



SCI CAMP HILL DIAGNOSTIC AND CLASSIFICATION BUILDING
CAMP HILL, PA

256 BEDS
DIRECT SUPERVISION MANAGEMENT MODEL

FEDERAL AND STATE GOVERNMENT cont'd.:

SCI COAL TOWNSHIP
COAL TOWNSHIP, PA

1,650 BEDS
DIRECT SUPERVISION MANAGEMENT MODEL



SCI CRESSON*
CRESSON, PA

700 BEDS
DIRECT SUPERVISION MANAGEMENT MODEL



SCI FAYETTE
LABELLE, PA

192 MAXIMUM SECURITY CELLS / 640 CLOSE SECURITY
CELLS / 256 MEDIUM SECURITY CELLS / 148 MINIMUM
SECURITY BEDS
DIRECT SUPERVISION MANAGEMENT MODEL



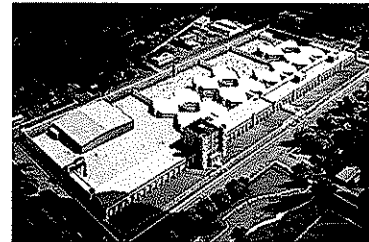
SOUTH WOODS STATE PRISON
BRIDGETON, NJ

3,300 BEDS
DIRECT SUPERVISION MANAGEMENT MODEL



WEST VIRGINIA PENITENTIARY
MOUNDSVILLE, WV

1,750 BEDS
INDIRECT SURVEILLANCE MANAGEMENT MODEL



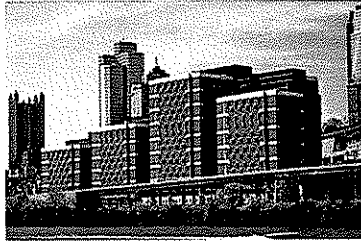
KIMBALL QUALIFICATIONS

COUNTY GOVERNMENT:



***ALLEGANY COUNTY JAIL AND PUBLIC SAFETY FACILITY**
AMITY, NY

140 BEDS (EXPANDABLE TO 300 BEDS)
DIRECT SUPERVISION MANAGEMENT MODEL



***ALLEGHENY COUNTY JAIL**
PITTSBURGH, PA

2,400 BEDS
DIRECT SUPERVISION MANAGEMENT MODEL



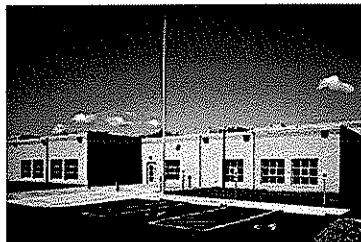
ARMSTRONG COUNTY JAIL
KITTANNING, PA

132 BEDS (EXPANDABLE TO 212 BEDS)
INDIRECT SURVEILLANCE MANAGEMENT MODEL



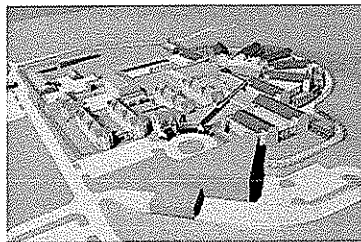
BEAVER COUNTY JAIL
BEAVER, PA

376 BEDS (EXPANDABLE TO 528 BEDS)
DIRECT SUPERVISION MANAGEMENT MODEL



BEDFORD COUNTY PRISON
BEDFORD, PA

100 BEDS (EXPANDABLE TO 160 BEDS)
INDIRECT SURVEILLANCE MANAGEMENT MODEL



BERKS COUNTY PRISON
READING, PA

1,046 BEDS
DIRECT SUPERVISION MANAGEMENT MODEL



BUTLER COUNTY DETENTION FACILITY
HAMILTON, OH

OVER 750 BEDS
DIRECT SUPERVISION MANAGEMENT MODEL

COUNTY GOVERNMENT cont'd.:

BUTLER COUNTY PRISON*
BUTLER, PA

512 BEDS (EXPANDABLE TO 800 BEDS)
DIRECT SUPERVISION MANAGEMENT MODEL



CAMBRIA COUNTY PRISON
EBENSBURG, PA

421 BEDS (EXPANDABLE TO 600 BEDS)
DIRECT SUPERVISION MANAGEMENT MODEL



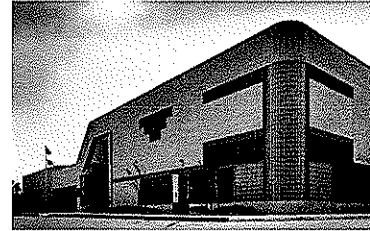
CENTRE COUNTY CORRECTIONAL FACILITY
BELLEFONTE, PA

308 BEDS (EXPANDABLE TO 600 BEDS)
DIRECT SUPERVISION MANAGEMENT MODEL



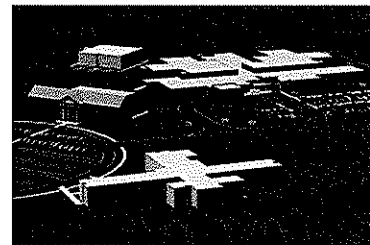
DARE COUNTY DETENTION CENTER
MANTEO, NC

120 BEDS (EXPANDABLE TO 200 BEDS)
DIRECT SUPERVISION MANAGEMENT MODEL



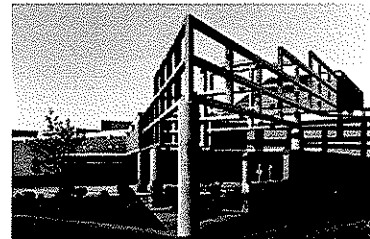
EASTERN SHORE REGIONAL JAIL*
EASTVILLE, VA

325 BEDS
INDIRECT SURVEILLANCE MANAGEMENT MODEL



ERIE COUNTY PRISON
ERIE, PA

504 BEDS (EXPANDABLE TO 632 BEDS)
DIRECT SUPERVISION MANAGEMENT MODEL



FRANKLIN COUNTY JAIL
CHAMBERSBURG, PA

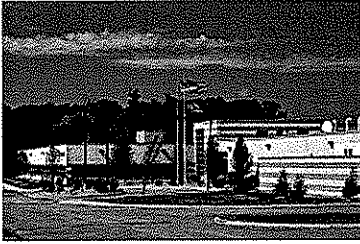
428 BEDS (EXPANDABLE TO 750 BEDS)
DIRECT SUPERVISION MANAGEMENT MODEL



KIMBALL QUALIFICATIONS

RELATED EXPERIENCE

COUNTY GOVERNMENT cont'd.:



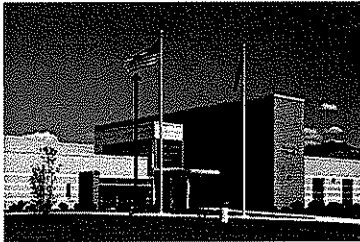
GEAUGA COUNTY SAFETY CENTER
CHARDON, OH

120 BEDS
INDIRECT SURVEILLANCE MANAGEMENT MODEL



HILLSBOROUGH COUNTY CORRECTIONAL FACILITY
MANCHESTER, NH

375 BEDS (EXPANDABLE TO 500 BEDS)
DIRECT SUPERVISION MANAGEMENT MODEL



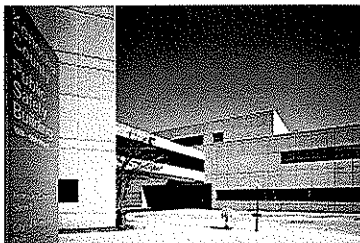
INDIANA COUNTY JAIL
INDIANA, PA

217 BEDS (EXPANDABLE TO 311 BEDS)
DIRECT SUPERVISION MANAGEMENT MODEL



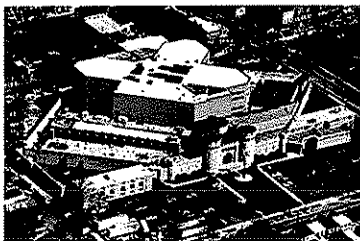
***KENOSHA COUNTY ADULT DETENTION FACILITY**
KENOSHA, WI

480 BEDS (EXPANDABLE TO 822 BEDS)
DIRECT SUPERVISION MANAGEMENT MODEL



***KENOSHA COUNTY PRE-TRIAL FACILITY**
KENOSHA, WI

296 BEDS
INDIRECT SURVEILLANCE MANAGEMENT MODEL



LANCASTER COUNTY PRISON
LANCASTER, PA

658 BEDS
DIRECT SUPERVISION MANAGEMENT MODEL



LAWRENCE COUNTY PRISON
NEW CASTLE, PA

220 BEDS (EXPANDABLE TO 360 BEDS)
DIRECT SUPERVISION MANAGEMENT MODEL

COUNTY GOVERNMENT cont'd.:

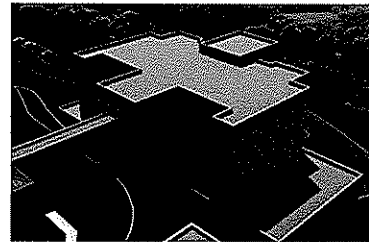
LEHIGH COUNTY PRISON
ALLENTOWN, PA

710 BEDS
DIRECT SUPERVISION MANAGEMENT MODEL



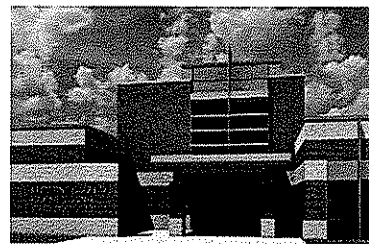
LIVINGSTON COUNTY JAIL*
GENESEO, NY

197 BEDS
DIRECT SUPERVISION MANAGEMENT MODEL



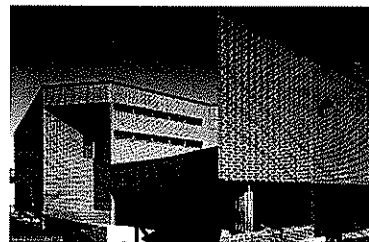
LUZERNE COUNTY CORRECTIONAL FACILITY
WILKES-BARRE, PA

1,600 BEDS
DIRECT SUPERVISION MANAGEMENT MODEL



LYCOMING COUNTY PRISON
WILLIAMSPORT, PA

150 BEDS
INDIRECT SURVEILLANCE MANAGEMENT MODEL



MERCER COUNTY JAIL
MERCER, PA

266 BEDS (EXPANDABLE TO 390 BEDS)
DIRECT SUPERVISION MANAGEMENT MODEL



ONTARIO COUNTY JAIL
CANANDAIGUA, NY

324 BEDS (EXPANDABLE TO 600 BEDS)
DIRECT SUPERVISION MANAGEMENT MODEL



PIKE COUNTY CORRECTIONAL FACILITY
LORDS VALLEY, PA

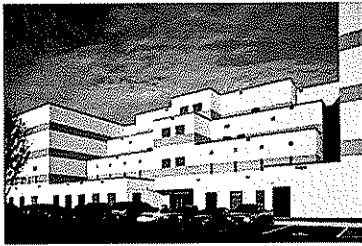
224 BEDS
INDIRECT SURVEILLANCE MANAGEMENT MODEL



KIMBALL QUALIFICATIONS

RELATED EXPERIENCE

COUNTY GOVERNMENT cont'd.:



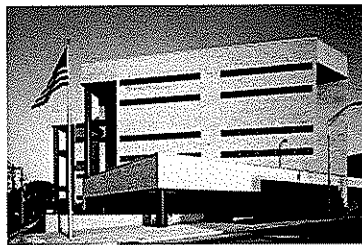
***PINELLAS COUNTY JAIL EXPANSION
PHASE II - HEALTHCARE FACILITY**
CLEARWATER, FL

432 BEDS
DIRECT SUPERVISION/INDIRECT SURVEILLANCE MANAGEMENT MODELS



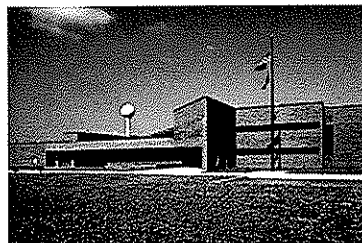
***SANTA ROSA COUNTY JAIL**
MILTON, FL

600 BEDS (EXPANDABLE TO 800 BEDS)
INDIRECT SURVEILLANCE MANAGEMENT MODEL



SOMERSET COUNTY JAIL
SOMERVILLE, NJ

200 BEDS
INDIRECT SURVEILLANCE MANAGEMENT MODEL



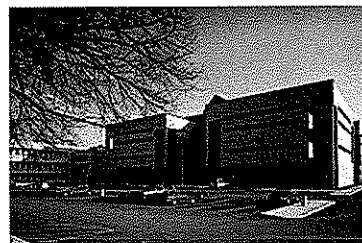
WARREN COUNTY CORRECTIONAL CENTER
BELVIDERE, NJ

86 BEDS (EXPANDABLE TO 120 BEDS)
INDIRECT SURVEILLANCE MANAGEMENT MODEL



WARREN COUNTY PRISON
WARREN, PA

74 BEDS
INDIRECT SURVEILLANCE MANAGEMENT MODEL



***WAUKESHA COUNTY JAIL**
WAUKESHA, WI

192 CELLS
DIRECT SUPERVISION MANAGEMENT MODEL



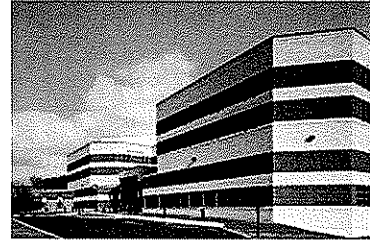
WESTERN TIDEWATER REGIONAL JAIL
SUFFOLK, VA

386 BEDS (EXPANDABLE TO 700 BEDS)
INDIRECT SURVEILLANCE MANAGEMENT MODEL

COUNTY GOVERNMENT cont'd.:

WESTMORELAND COUNTY PRISON*
GREENSBURG, PA

383 BEDS (EXPANDABLE TO 543 BEDS)
DIRECT SUPERVISION MANAGEMENT MODEL



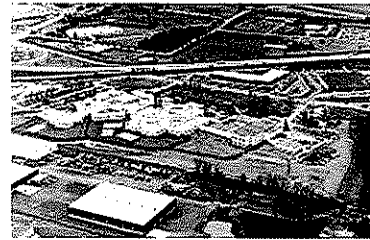
WYOMING COUNTY CORRECTIONAL FACILITY
TUNKHANNOCK, PA

50 BEDS
INDIRECT SURVEILLANCE MANAGEMENT MODEL



YORK COUNTY PRISON EXPANSION*
YORK, PA

544 BEDS
DIRECT SUPERVISION MANAGEMENT MODEL -
DORMITORIES
INDIRECT SURVEILLANCE MANAGEMENT MODEL -
SECURE UNIT



KIMBALL QUALIFICATIONS

* Denotes projects done in association with other architectural and/or engineering firms.
On all other projects, Kimball provided total A/E design services with in-house staff.

CORRECTIONS PROJECT EXPERIENCE

PROJECT NAME	PROJECT TYPE			MANAGEMENT MODEL			SCOPE OF SERVICES							
	RENOVATIONS	ADDITION	NEW CONSTRUCTION	LINEAR-INTERMITTENT SURVEILLANCE	PODULAR-INDIRECT SURVEILLANCE	PODULAR-DIRECT SUPERVISION	NEEDS ASSESSMENT	PROGRAMMING	CONCEPT DESIGN	SCHEMATIC DESIGN	DESIGN DEVELOPMENT	CONSTRUCTION DOCUMENTS	CONSTRUCTION PHASE SERVICES	CONSULTING
FEDERAL GOVERNMENT:														
FCI Loretto <i>Loretto, PA</i>	•	•				•			•			•		
JUVENILE:														
Anthony Correctional Center <i>White Sulphur Springs, WV</i>			•			•		•	•	•	•	•	•	
Blair County Juvenile Detention Facility <i>Hollidaysburg, PA</i>			•					•						•
Cambria County Juvenile Detention Center <i>Ebensburg, PA</i>			•			•		•	•	•	•	•	•	
Cambria County Juvenile Detention Center <i>Ebensburg, PA</i>		•				•		•	•	•	•	•	•	
Chesher County Juvenile Detention Facility <i>West Chester, PA</i>						•		•	•					
Eastern Regional Juvenile Detention Center <i>Martinsburg, WV</i>						•								
Kanawha Home for Children <i>Dunbar, WV</i>						•								
Lee County Juvenile Assessment Center* <i>Fort Myers, FL</i>								•	•					
Macomb County Juvenile Detention Facility* <i>Mt. Clemens, MI</i>			•			•		•	•	•				
Northern Regional Juvenile Detention Center <i>Wheeling, WV</i>						•								
Ohio County Jail <i>Wheeling, WV</i>						•								
Southern Regional Juvenile Detention Center <i>Princeton, WV</i>						•								
West Central Regional Juvenile Detention Center <i>Parkersburg, WV</i>						•								
Westmoreland County Regional Youth Services Center <i>Greensburg, PA</i>			•			•		•	•	•				

PROJECT NAME	PROJECT TYPE			MANAGEMENT MODEL			SCOPE OF SERVICES							
	RENOVATIONS	ADDITION	NEW CONSTRUCTION	LINEAR-INTERMITTENT SURVEILLANCE	PODULAR-INDIRECT SURVEILLANCE	PODULAR-DIRECT SUPERVISION	NEEDS ASSESSMENT	PROGRAMMING	CONCEPT DESIGN	SCHEMATIC DESIGN	DESIGN DEVELOPMENT	CONSTRUCTION DOCUMENTS	CONSTRUCTION PHASE SERVICES	CONSULTING
COUNTY GOVERNMENT:														
Adams County Prison Gettysburg, PA			•			•	•	•	•	•	•	•	•	•
Allegheny County Jail and Public Safety Facility* Amity, NY			•			•	•	•	•	•	•	•	•	•
Allegheny County Auxiliary Jail* Pittsburgh, PA	•	•				•	•	•	•	•	•	•	•	•
Allegheny County Auxiliary Jail Alterations* Pittsburgh, PA	•					•	•	•	•	•	•	•	•	•
Allegheny County Criminal Justice Facilities* Pittsburgh, PA						•	•	•	•	•	•	•	•	•
Allegheny County Minimum Security Facility* Pittsburgh, PA	•					•	•	•	•	•	•	•	•	•
Allegheny County Jail* Pittsburgh, PA			•			•	•	•	•	•	•	•	•	•
Allegheny County Women's Program Center* Pittsburgh, PA			•			•	•	•	•	•	•	•	•	•
Armstrong County Jail Kittanning, PA	•				•		•	•	•	•	•	•	•	•
Armstrong County Jail Kittanning, PA					•		•	•	•	•	•	•	•	•
Armstrong County Jail Kittanning, PA			•		•		•	•	•	•	•	•	•	•
Beaver County Jail Beaver, PA			•			•	•	•	•	•	•	•	•	•
Beaver County Jail Beaver, PA			•			•	•	•	•	•	•	•	•	•
Bedford County Prison Bedford, PA			•		•		•	•	•	•	•	•	•	•
Berks County Community Corrections Center Reading, PA	•			•			•	•	•	•	•	•	•	•
Berks County Prison Reading, PA	•	•				•	•	•	•	•	•	•	•	•
Blair County Prison Hollidaysburg, PA	•	•			•		•	•	•	•	•	•	•	•
Blair County Prison Work Release Housing Hollidaysburg, PA		•			•		•	•	•	•	•	•	•	•
Blair County Prison Housing Unit Addition Hollidaysburg, PA		•			•		•	•	•	•	•	•	•	•

PROJECT NAME	PROJECT TYPE			MANAGEMENT MODEL			SCOPE OF SERVICES							
	RENOVATIONS	ADDITION	NEW CONSTRUCTION	LINEAR-INTERMITTENT SURVEILLANCE	PODULAR-INDIRECT SURVEILLANCE	PODULAR-DIRECT SUPERVISION	NEEDS ASSESSMENT	PROGRAMMING	CONCEPT DESIGN	SCHEMATIC DESIGN	DESIGN DEVELOPMENT	CONSTRUCTION DOCUMENTS	CONSTRUCTION PHASE SERVICES	CONSULTING
COUNTY GOVERNMENT cont'd.:														
Butler County Detention Facility <i>Hamilton, OH</i>			•			•		•	•	•	•	•	•	
Butler County Prison <i>Butler, PA</i>					•			•	•	•	•	•	•	
Butler County Prison <i>Butler, PA</i>						•		•	•	•	•	•	•	
Butler County Prison* <i>Butler, PA</i>			•			•		•	•	•	•	•	•	
Cabarrus County Jail <i>Concord, NC</i>		•		•				•	•	•	•	•	•	
Calvert County Treatment Facility <i>Barstow, MD</i>	•				•			•	•	•	•	•	•	
Cambria County Prison <i>Ebensburg, PA</i>	•			•				•	•	•	•	•	•	
Cambria County Prison <i>Ebensburg, PA</i>			•			•		•	•	•	•	•	•	
Cameron County Jail <i>Emporium, PA</i>					•			•	•	•	•	•	•	
Centre County Correctional Facility <i>Bellefonte, PA</i>			•			•		•	•	•	•	•	•	
Chatham County Detention Center Expansion/ Renovations <i>Savannah, GA</i>	•	•				•		•	•	•	•	•	•	
Chester County Prison <i>West Chester, PA</i>								•	•	•	•	•	•	
Clearfield County Prison <i>Clearfield, PA</i>			•	•				•	•	•	•	•	•	
Dare County Detention Center <i>Manteo, NC</i>			•		•			•	•	•	•	•	•	
Dare County Detention Center <i>Manteo, NC</i>			•		•			•	•	•	•	•	•	
Eastern Shore Regional Jail* <i>Eastville, VA</i>			•		•			•	•	•	•	•	•	
Elk County Holding Facility <i>Ridgway, PA</i>	•			•				•	•	•	•	•	•	
Erie County Prison <i>Erie, PA</i>			•		•			•	•	•	•	•	•	

PROJECT NAME	PROJECT TYPE			MANAGEMENT MODEL			SCOPE OF SERVICES							
	RENOVATIONS	ADDITION	NEW CONSTRUCTION	LINEAR-INTERMITTENT SURVEILLANCE	PODULAR-INDIRECT SURVEILLANCE	PODULAR-DIRECT SUPERVISION	NEEDS ASSESSMENT	PROGRAMMING	CONCEPT DESIGN	SCHEMATIC DESIGN	DESIGN DEVELOPMENT	CONSTRUCTION DOCUMENTS	CONSTRUCTION PHASE SERVICES	CONSULTING
COUNTY GOVERNMENT cont'd.:														
Erie County Prison Pre-Release/Work Release Facility* <i>Erie, PA</i>			•		•		•	•	•	•	•	•	•	
Erie County Prison Addition <i>Erie, PA</i>		•			•		•	•	•	•	•	•	•	
Fayette County Prison* <i>Uniontown, PA</i>			•			•	•	•	•	•	•	•	•	
Franklin County Jail <i>Chambersburg, PA</i>			•			•	•	•	•	•	•	•	•	
Garrett County Detention Center <i>Oakland, MD</i>					•		•	•	•	•	•	•	•	
Geauga County Safety Center <i>Chardon, OH</i>			•		•		•	•	•	•	•	•	•	
Greene County Prison <i>Waynesburg, PA</i>			•		•		•	•	•	•	•	•	•	
Hamilton County Correctional Facilities Master Plan <i>Cincinnati, OH</i>			•			•	•	•	•	•	•	•	•	•
Hillsborough County Correctional Facility <i>Manchester, NH</i>			•			•	•	•	•	•	•	•	•	
Indiana County Jail <i>Indiana, PA</i>			•			•	•	•	•	•	•	•	•	
Jackson County Jail <i>Ripley, WV</i>			•		•		•	•	•	•	•	•	•	
Jefferson County Correctional Facility <i>Watertown, NY</i>		•					•	•	•	•	•	•	•	
Kenosha County Adult Detention Facility (High-Rise Design) <i>Kenosha, WI</i>			•			•	•	•	•	•	•	•	•	
Kenosha County Adult Detention Facility (Horizontal Design) <i>Kenosha, WI</i>			•			•	•	•	•	•	•	•	•	
Kenosha County Adult Detention Facility* <i>Kenosha, WI</i>			•			•	•	•	•	•	•	•	•	
Kenosha County Pre-Trial Facility* <i>Kenosha, WI</i>	•	•			•		•	•	•	•	•	•	•	
Lancaster County Prison <i>Lancaster, PA</i>	•	•				•	•	•	•	•	•	•	•	

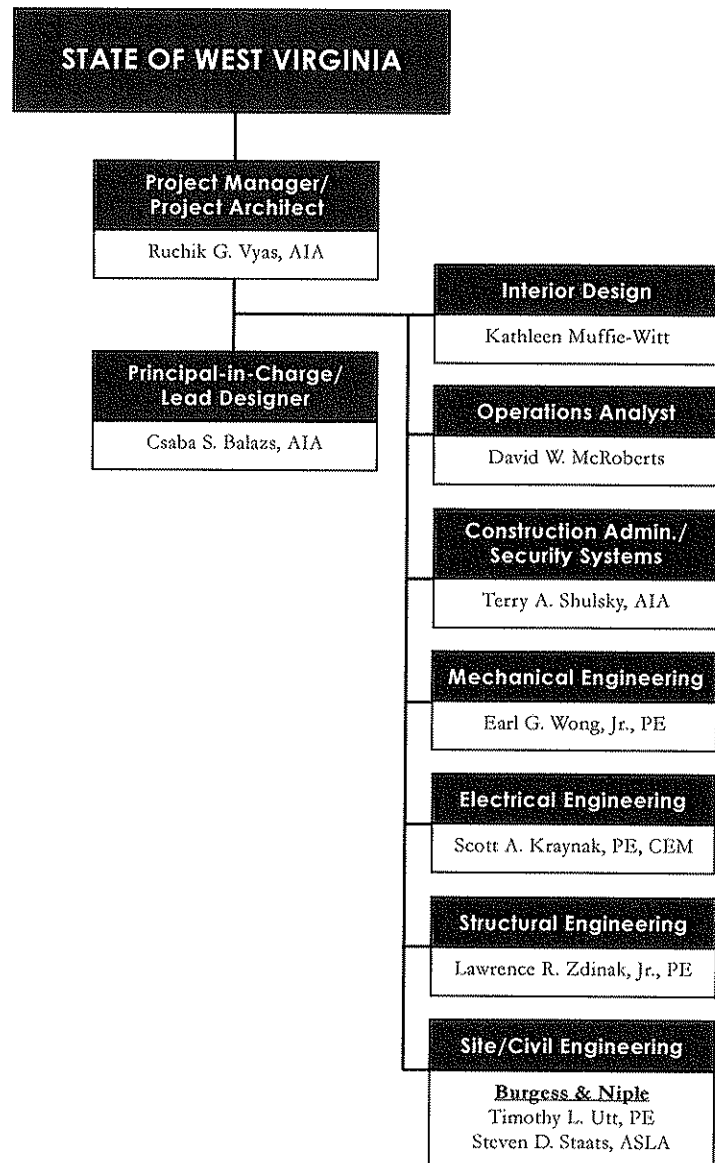
PROJECT NAME	PROJECT TYPE			MANAGEMENT MODEL			SCOPE OF SERVICES							
	RENOVATIONS	ADDITION	NEW CONSTRUCTION	LINEAR-INTERMITTENT SURVEILLANCE	MODULAR-INDIRECT SURVEILLANCE	MODULAR-DIRECT SUPERVISION	NEEDS ASSESSMENT	PROGRAMMING	CONCEPT DESIGN	SCHEMATIC DESIGN	DESIGN DEVELOPMENT	CONSTRUCTION DOCUMENTS	CONSTRUCTION PHASE SERVICES	CONSULTING
COUNTY GOVERNMENT cont'd.:														
Lancaster County Prison <i>Lancaster, PA</i>			•			•	•	•	•	•	•	•	•	•
Lawrence County Prison <i>New Castle, PA</i>			•			•	•	•	•	•	•	•	•	•
Lee County Ortiz Correctional Facility* <i>Fort Myers, FL</i>			•			•	•	•	•	•	•	•	•	•
Lee County Central Booking and Arraignment Facility* <i>Fort Myers, FL</i>							•	•	•	•	•	•	•	•
Lehigh County Prison <i>Allentown, PA</i>			•			•	•	•	•	•	•	•	•	•
Livingston County Jail* <i>Geneseo, NY</i>		•				•	•	•	•	•	•	•	•	•
Livingston County Jail (Second Site)* <i>Geneseo, NY</i>		•				•	•	•	•	•	•	•	•	•
Luzerne County Correctional Facility <i>Wilkes-Barre, PA</i>			•			•	•	•	•	•	•	•	•	•
Lycoming County Prison <i>Williamsport, PA</i>	•	•		•	•		•	•	•	•	•	•	•	•
Lycoming County Prison <i>Williamsport, PA</i>			•			•	•	•	•	•	•	•	•	•
Mahoning County Jail <i>Youngstown, OH</i>							•	•	•	•	•	•	•	•
Marion County Jail <i>Fairmont, WV</i>	•	•		•			•	•	•	•	•	•	•	•
Mason County Jail <i>Point Pleasant, WV</i>	•			•			•	•	•	•	•	•	•	•
Mercer County Jail <i>Princeton, WV</i>			•			•	•	•	•	•	•	•	•	•
Mercer County Jail Expansion <i>Mercer, PA</i>	•	•				•	•	•	•	•	•	•	•	•
Mercer County Jail <i>Mercer, PA</i>			•			•	•	•	•	•	•	•	•	•
Monmouth County Correctional Institution Main Entrance Renovation <i>Freehold, NJ</i>	•			•			•	•	•	•	•	•	•	•

PROJECT NAME	PROJECT TYPE			MANAGEMENT MODEL			SCOPE OF SERVICES							
	RENOVATIONS	ADDITION	NEW CONSTRUCTION	LINEAR-INTERMITTENT SURVEILLANCE	PODULAR-INDIRECT SURVEILLANCE	PODULAR-DIRECT SUPERVISION	NEEDS ASSESSMENT	PROGRAMMING	CONCEPT DESIGN	SCHEMATIC DESIGN	DESIGN DEVELOPMENT	CONSTRUCTION DOCUMENTS	CONSTRUCTION PHASE SERVICES	CONSULTING
COUNTY GOVERNMENT cont'd.:														
Monmouth County Correctional Institution Vehicle Sallyport Gate and Fence Replacement <i>Freehold, NJ</i>			•	•			•	•	•	•	•	•	•	•
Morgan County Jail <i>Berkeley Springs, WV</i>	•			•			•	•	•	•	•	•	•	•
Nash County Jail <i>Nashville, NC</i>		•				•	•	•	•	•	•	•	•	•
Northampton County Prison <i>Easton, PA</i>				•			•	•	•	•	•	•	•	•
Northumberland County Prison <i>Sunbury, PA</i>						•	•	•	•	•	•	•	•	•
Ontario County Jail <i>Canandaigua, NY</i>			•			•	•	•	•	•	•	•	•	•
Pike County Correctional Facility <i>Lords Valley, PA</i>			•	•			•	•	•	•	•	•	•	•
Pinellas County Jail Expansion Phase II - Healthcare Facility* <i>Clearwater, FL</i>			•	•			•	•	•	•	•	•	•	•
Plaquemines Parish Detention Facility <i>Pointe a la Hache, LA</i>			•		•		•	•	•	•	•	•	•	•
Plaquemines Parish Temporary Detention Facility <i>Pointe a la Hache, LA</i>			•		•		•	•	•	•	•	•	•	•
Platte County Courthouse and Jail <i>Platte City, MO</i>	•	•		•			•	•	•	•	•	•	•	•
Private Geriatric Facility* <i>Clearfield, PA</i>						•	•	•	•	•	•	•	•	•
Rensselaer County Correctional Facility* <i>Troy, NY</i>	•	•				•	•	•	•	•	•	•	•	•
Ritchie County Jail <i>Harrisville, WV</i>			•		•		•	•	•	•	•	•	•	•
Santa Rosa County Jail* <i>Milton, FL</i>			•		•		•	•	•	•	•	•	•	•
Snyder County Jail <i>Middleburg, PA</i>	•	•		•			•	•	•	•	•	•	•	•
Somerset County Jail <i>Somerville, NJ</i>			•		•		•	•	•	•	•	•	•	•

PROJECT NAME	PROJECT TYPE			MANAGEMENT MODEL			SCOPE OF SERVICES							
	RENOVATIONS	ADDITION	NEW CONSTRUCTION	LINEAR-INTERMITTENT SURVEILLANCE	POPULAR-INDIRECT SURVEILLANCE	POPULAR-DIRECT SUPERVISION	NEEDS ASSESSMENT	PROGRAMMING	CONCEPT DESIGN	SCHEMATIC DESIGN	DESIGN DEVELOPMENT	CONSTRUCTION DOCUMENTS	CONSTRUCTION PHASE SERVICES	CONSULTING
COUNTY GOVERNMENT cont'd.:														
St. Mary's County Detention Center <i>Leonardtown, MD</i>		•				•	•	•	•	•	•	•	•	•
Suffolk City Jail <i>Suffolk, VA</i>					•		•	•	•	•	•	•	•	•
Sullivan County Jail <i>Monticello, NY</i>						•	•	•	•	•	•	•	•	•
Susquehanna County Jail <i>Montrose, PA</i>					•		•	•	•	•	•	•	•	•
Tioga County Prison <i>Wellsboro, PA</i>		•			•		•	•	•	•	•	•	•	•
Venango County Prison <i>Sugar Creek Township, PA</i>			•		•		•	•	•	•	•	•	•	•
Warren County Correctional Center <i>Belvidere, NJ</i>			•		•		•	•	•	•	•	•	•	•
Warren County Prison <i>Warren, PA</i>			•		•		•	•	•	•	•	•	•	•
Warren County Prison Expansion <i>Warren, PA</i>	•	•			•		•	•	•	•	•	•	•	•
Waukesha County Jail* <i>Waukesha, WI</i>		•				•	•	•	•	•	•	•	•	•
Waukesha County Huber Law Facility <i>Waukesha, WI</i>						•	•	•	•	•	•	•	•	•
Western Tidewater Regional Jail <i>Suffolk, VA</i>			•		•		•	•	•	•	•	•	•	•
Western Tidewater Regional Jail Expansion <i>Suffolk, VA</i>		•			•		•	•	•	•	•	•	•	•
Westmoreland County Prison* <i>Greensburg, PA</i>			•			•	•	•	•	•	•	•	•	•
Wyoming County Correctional Facility <i>Tunkhannock, PA</i>			•		•		•	•	•	•	•	•	•	•
York County Prison Expansion* <i>York, PA</i>		•				•	•	•	•	•	•	•	•	•
York County Prison Renovations/Addition* <i>York, PA</i>	•					•	•	•	•	•	•	•	•	•

PROJECT NAME	PROJECT TYPE			MANAGEMENT MODEL			SCOPE OF SERVICES							
	RENOVATIONS	ADDITION	NEW CONSTRUCTION	LINEAR-INTERMITTENT SURVEILLANCE	PODULAR-INDIRECT SURVEILLANCE	PODULAR-DIRECT SUPERVISION	NEEDS ASSESSMENT	PROGRAMMING	CONCEPT DESIGN	SCHEMATIC DESIGN	DESIGN DEVELOPMENT	CONSTRUCTION DOCUMENTS	CONSTRUCTION PHASE SERVICES	CONSULTING
STATE GOVERNMENT:														
Denmar Correctional Center <i>Hillsboro, WV</i>		•								•	•	•	•	
New Jersey Stabilization and Reintegration Program (SRP) Boot Camp Facility at New Lisbon Developmental Center <i>New Lisbon, NJ</i>	•	•				•		•	•	•	•	•	•	
New Jersey State Prison* <i>Newark, NJ</i>						•				•	•	•	•	
SCI Albion <i>Albion, PA</i>			•			•				•	•	•	•	
SCI Cambridge Springs <i>Cambridge Springs, PA</i>						•		•	•	•	•	•	•	
SCI Camp Hill <i>Camp Hill, PA</i>		•			•			•	•	•	•	•	•	
SCI Camp Hill <i>Camp Hill, PA</i>	•	•				•		•	•	•	•	•	•	
SCI Camp Hill Diagnostic and Classification Building <i>Camp Hill, PA</i>			•			•		•	•	•	•	•	•	
SCI Camp Hill, Renovation/Expansion of Kitchen and Staff Dining Area <i>Camp Hill, PA</i>	•	•						•	•	•	•	•	•	
SCI Coal Township <i>Coal Township, PA</i>			•			•			•	•	•	•	•	
SCI Cresson* <i>Cresson, PA</i>	•	•				•		•	•	•	•	•	•	
SCI Fayette <i>LaBelle, PA</i>			•			•		•	•	•	•	•	•	
SCI Smithfield, New Housing Unit and Infrastructure/Security Upgrades <i>Huntingdon, PA</i>	•	•							•	•	•	•	•	
South Woods State Prison <i>Bridgeton, NJ</i>			•			•			•	•	•	•	•	
Southern State Minimum Security Correctional Facility <i>Delmont, NJ</i>		•				•		•	•	•	•	•	•	
West Virginia Penitentiary <i>Moundsville, WV</i>	•	•			•			•	•	•				

* Denotes projects done in association with other architectural and/or engineering firms.
On all other projects, Kimball provided total A/E design services with in-house staff.



CSABA S. BALAZS, AIA

PROJECT ROLE:
Principal-in-Charge/
Lead Designer

As Senior Vice President and Architectural Principal of the Architecture/Engineering Division of Kimball, Mr. Balazs will be responsible for the overall administration and delivery of services provided by the firm for this project.

Since joining the firm in 1972, he has been involved in a wide range of architectural projects, including renovation, restoration, expansion, and new building design for both private and public clients. His design experience includes correctional, public safety, judicial, educational, health care, office, industrial, commercial, military, cultural, recreational, and residential facilities.

Mr. Balazs' special area of expertise involves the design of justice facilities. In the past 36 years, he has designed more than 150 prisons and jails and designed or had direct responsibility for more than 15 courthouse or courts-related facilities. Twenty-five of these facilities have been honored by inclusion in the annual Architecture for Justice Exhibition sponsored by the American Correctional Association (ACA) and the American Institute of Architects (AIA). Several designs have been cited for "Design Excellence".

- Anthony Correctional Center, White Sulphur Springs, WV
- Jackson County Jail, Ripley, WV
- Marion County Jail, Fairmont, WV
- Mason County Jail, Point Pleasant, WV
- Mercer County Jail, Princeton, WV
- Morgan County Jail, Berkeley Spring, WV
- Ritchie County Jail, Harrisville, WV
- West Virginia Penitentiary, Programming and Conceptual Design Services for an Expansion, Moundsville, WV
- Adams County Prison and Community Corrections Center, Study of Options, Gettysburg, PA
- Allegany County, New Jail/Public Safety Building, Amity, NY
- Allegheny County Jail, Pittsburgh, PA
- Allegheny County Auxiliary Jail, Pittsburgh, PA
- Allegheny County Minimum Security Facility, Pittsburgh, PA
- Allegheny County Women's Program Center, Pittsburgh, PA
- Allencrest Juvenile Detention Center, Evaluation Services, Beaver, PA
- Armstrong County Prison, Kittanning, PA
- Beaver County Jail, Beaver, PA
- Bedford County Prison, Bedford, PA
- Berks County Prison Renovations/Additions, Reading, PA
- Blair County Prison, Hollidaysburg, PA
- Blair County Prison Work Release, Hollidaysburg, PA
- Brooklyn Correctional Facility Renovations, Brooklyn, NY
- Butler County Detention Center, Hamilton, OH
- Butler County Prison, Butler, PA
- Cabarrus County Jail, Concord, NC
- Calvert County Jail Study, Barstow, MD
- Cambria County Detention Center, Ebensburg, PA
- Cambria County Jail, Ebensburg, PA
- Cameron County Jail, Emporium, PA
- Centre County Prison, Bellefonte, PA
- Chester County Prison, Feasibility Study, West Chester, PA

- Clearfield County Jail, Clearfield, PA
- Cortland County, NY, Jail Replacement Study
- Curran-Fromhold Juvenile Detention Facility, Philadelphia, PA
- Dare County Governmental Center, Manteo, NC
- Dare County Jail, Manteo, NC
- Eastern Shore Regional Jail, Eastville, VA
- Elk County Holding Facility, Ridgway, PA
- Erie County Prison, Erie, PA
- Fayette County Prison, Needs Assessment Study, Uniontown, PA
- FCI Loretto, Loretto, PA
- Franklin County Prison, Chambersburg, PA
- Frederick County Adult Detention Center, Consulting Services for an Expansion, Frederick, MD
- Garrett County Jail Study, Oakland, MD
- Geauga County Safety Center, Chardon, OH
- Greene County Jail, Waynesburg, PA
- Hillsborough County Correctional Facility, Manchester, NH
- Indiana County Jail Study, Indiana, PA
- Indiana County Jail Replacement, Indiana, PA
- Kenosha County Adult Detention Center, Kenosha, WI
- Kenosha County House of Corrections, Kenosha, WI
- Kenosha County Huber Law Facility, Kenosha, WI
- Kenosha County Pre-Trial Facility, Kenosha, WI
- Lancaster County Prison, Lancaster, PA
- Lawrence County Prison, New Castle, PA
- Lehigh County Prison, Allentown, PA
- Lee County Ortiz Correctional Facilities, Fort Myers, FL
- Livingston County Jail Expansion/Renovation, Geneseo, NY
- Luzerne County, Correctional Facility Comprehensive Needs Assessment, Wilkes-Barre, PA
- Luzerne County Replacement Correctional Facility, Wilkes-Barre, PA
- Lycoming County Prison, Williamsport, PA
- Macomb County, Feasibility Study and Schematic Design for a New Juvenile Detention Facility, Macomb County, MI
- Mercer County Jail, Mercer, PA
- Monmouth County, Renovation of Main Entrance at the County Correctional Institution, Freehold, NJ
- Monmouth County, Vehicle Sallyport Gate and Fence Replacement at the County Correctional Institution, Freehold, NJ
- Nash County Jail, Nashville, NC
- New Jersey State Prison, Programming and Schematic Design, Newark, NJ
- Northampton County Prison, Easton, PA
- Northumberland County Prison, Sunbury, PA
- Ontario County Jail, Canandaigua, NY
- Pike County Jail, Blooming Grove Township, PA
- Pinellas County Jail Expansion - Phase II Health Care Facility, Clearwater, FL
- Plaquemines Parish Permanent Jail Facility, Pointe a la Hache, LA
- Platte County Courthouse and Jail, Platte City, MO
- Rensselaer County Correctional Facility Expansion/Relocation of the Bureau of Public Safety and Automotive Maintenance Facility, Troy, NY
- St. Mary's County Jail Study, Leonardtown, MD
- Santa Rosa County Correctional Facility, Milton, FL
- SCI Albion, Albion, PA
- SCI Cambridge Springs, Cambridge Springs, PA
- SCI Camp Hill, Camp Hill, PA
- SCI Camp Hill Modular Unit, Camp Hill, PA
- SCI Camp Hill, New Diagnostic and Classification Building, Camp Hill, PA
- SCI Coal Township, Coal Township, PA
- SCI Cresson, Cresson, PA
- SCI Fayette, Fayette County, PA
- Seneca County Jail and Sheriff's Department, Additions/Alterations Study and Replacement Facility Study, Waterloo, NY
- Snyder County Jail, Middleburg, PA
- Somerset County Jail, Somerville, NJ
- South Woods State Prison, Bridgeton, NJ
- Suffolk City Jail, Suffolk, VA
- Sullivan County Jail and Sheriff's Department Study, Monticello, NY

- Susquehanna County Jail, Montrose, PA
- Venango County Prison, Design and Construction Document Phase Services, Sugar Creek Township, PA
- Warren County Jail, Warren, PA
- Warren County Correctional Center, Belvidere, NJ
- Warren County Work Release Unit, Warren, PA
- Waukesha County Huber Facility, Waukesha, WI
- Waukesha County Jail, Waukesha, WI
- Western Tidewater Regional Jail, Suffolk, VA
- Westmoreland County Prison, Greensburg, PA
- Wyoming County Jail, Tunkhannock, PA
- York County Prison Expansion, York, PA

Education

- M.S., Architecture, The Pennsylvania State University, 1974
- B.S., Architecture, The Pennsylvania State University, 1972

Registrations

- West Virginia, Registered Architect, 1978
- Pennsylvania, Registered Architect, 1975
- Registered Architect in Thirty Additional States

Professional Affiliations

- American Institute of Architects
- Pennsylvania Society of Architects
- American Correctional Association
- AIA, Architecture for Justice Committee

RUCHIK G. VYAS, AIA

PROJECT ROLE:
Project Manager/
Project Architect

Mr. Vyas currently serves as a Project Architect/Manager in Kimball's MA/E Division. He has over 25 years of experience that includes the evaluation of facilities, design, preparation of construction documents, building material estimating, shop drawing approval, coordination among all trades and consultants, and construction administration activities. Mr. Vyas has extensive experience in a wide range of projects including correctional, judicial, public safety, educational, and commercial facilities. His experience includes projects involving new construction as well as projects involving additions and renovations of existing facilities and retrofit and adaptive reuse projects.

- Allegheny County Jail, Pittsburgh, PA
- Beaver County Jail, Hopewell Township, PA
- Bedford County Jail, Bedford, PA
- Berks County Prison Renovations/Additions, Reading, PA
- Berks County, Feasibility Study for Renovating the Existing Nursing Home and the Annex Building into a Community Correctional Facility, Reading, PA
- Butler County Prison, Butler, PA
- Butler County Detention Center, Hamilton, OH
- Cambria County Jail, Ebensburg, PA
- Erie County Prison, Erie, PA
- Franklin County Prison, Chambersburg, PA
- Geauga County Safety Center, Chardon, OH
- Lawrence County Prison, New Castle, PA
- Luzerne County, Correctional Facility Comprehensive Needs Assessment, Wilkes-Barre, PA
- Luzerne County Replacement Correctional Facility, Wilkes-Barre, PA
- Monmouth County, Renovation of Main Entrance at the County Correctional Institution, Freehold, NJ
- Monmouth County, Vehicle Sallyport Gate and Fence Replacement at the County Correctional Institution, Freehold, NJ
- Ontario County Jail, Canandaigua, NY
- Plaquemines Parish Permanent Jail Facility, Belle Chasse, LA
- SCI Camp Hill, Camp Hill, PA
- SCI Camp Hill Modular Unit, Camp Hill, PA
- SCI Camp Hill, New Diagnostic and Classification Building, Camp Hill, PA
- South Woods State Prison, Bridgeton, NJ
- SRP Boot Camp Facility, New Lisbon Developmental Center, New Lisbon, NJ
- Waukesha County Jail, Waukesha, WI
- Western Tidewater Regional Jail, Suffolk, VA
- York County Prison Addition/Renovation, York, PA

Education

- Bachelor of Architecture, The Baroda University (India), 1983

Registrations

- Pennsylvania, Registered Architect, 1999
- Registered Architect in One Additional State

Professional Affiliations

- American Institute of Architects
- Pennsylvania Society of Architects

KATHLEEN M. MUFFIE-WITT

PROJECT ROLE:
Interior Designer

Ms. Muffie-Witt currently serves as a Senior Technical Leader in Interior Design in Kimball's A/E Division. She has over 19 years of experience in the planning and design of correctional, public safety, judicial, municipal, educational, health care, office, and commercial facilities. Her responsibilities include providing presentation materials that illustrate all aspects of the interior design related to new construction and renovation, analyzing the clients' needs, and developing space planning solutions. She also provides project oversight and direction to research the psychological aspects of interior design using design concepts, color theory, lighting, and architecture history.

Prior to joining Kimball, Ms. Muffie-Witt served as a Director of Interior Design. In that capacity she was responsible for the supervision of design staff personnel, project scheduling, budget management, project design critiques, and in-house seminars on management, leadership, and organizational skills. Ms. Muffie-Witt is very familiar with the requirements of the Americans with Disabilities Act (ADA), having served as an accessibility consultant to businesses on the guidelines established in the Title II section of ADA.

Ms. Muffie-Witt has served as an adjunct instructor for the interior design program at the Indiana University of Pennsylvania in Indiana, PA (IUP), where she taught a course dealing with interior finishes and materials. She has also served as a guest lecturer at IUP, delivering lectures titled "Interior Design in the Architectural Firm" and "Presentation and Portfolio for the Interior Designer."

- Cabell County Emergency Services Center, Huntington, WV
- Allegany County Jail and Public Safety Facility, Amity, NY
- Armstrong County Jail, Kittanning, PA
- Centre County Correctional Facility, Furniture and Equipment Package, Bellefonte, PA
- Chatham County Detention Center Expansion, Savannah, GA
- Franklin County Jail, Chambersburg, PA
- Indiana County Jail, Indiana, PA
- Ontario County Jail, Canandaigua, NY
- Rensselaer County Correctional Facility Expansion/Bureau of Public Safety and Automotive Maintenance Facility, Troy, NY
- SCI Fayette, LaBelle, PA
- Beaver County 9-1-1 Center, Beaver, PA
- New Jersey State Police, Troop 'C' Headquarters and Firing Range, Furniture and Equipment Package, Trenton, NJ
- New Jersey State Police Technology Complex, Furniture and Equipment Package, Hamilton Township, NJ
- New Jersey State Police Emergency Operations Center, West Trenton, NJ
- Steuben County 9-1-1 Center, Bath, NY

Education

- MEd, Education, Saint Francis University, 2000
- Associate, Interior Design, Art Institute of Pittsburgh, 1992
- BS, Art Education, Indiana University of Pennsylvania, 1980

Professional Affiliation

- International Interior Design Association

DAVID W. MCROBERTS

PROJECT ROLE:
Operations Analyst
(Captain - Retired)

David McRoberts currently serves as an Operations Specialist and Vice President of Business Development for Kimball's A/E Division. Prior to joining Kimball, Mr. McRoberts served the Kenosha County Sheriff's Department for 24 years 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). In 1994, Mr. McRoberts was assigned Jail Transition Team duties for Kenosha County to work in concert with design and construction professionals for the construction of a new 600-bed detention facility. Upon completion, he assumed the Jail Administrator's position to develop the operational programming and policies to operate the new jail facility. Mr. McRoberts also served for two years as a Police Officer for the Village of Twin Lakes, WI.

Since 1985, Mr. McRoberts has been a Wisconsin State Certified Law Enforcement Instructor for the Wisconsin 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.

- Cabell County, Consolidated Communications Emergency Response Center, Huntingdon, WV
- Allegany County, New Jail/Public Safety Building, Amity, NY
- Butler County Prison, Butler, PA
- Delaware Department of Corrections, Correctional Center Master Plan, Sussex, Kent, and New Castle Counties, DE
 - Howard R. Young Correctional Institution
 - Sussex Correctional Institution
 - Plummer Community Correctional Center
 - Delores J. Baylor Women's Correctional Institution
- Eastern Shore Regional Jail, Eastville, VA
- Hamilton County, Jail Facilities Master Plan, Cincinnati, OH
- Lancaster County Prison, Needs Assessment Study, Lancaster, PA
- Livingston County Jail Expansion/Renovation, Geneseo, NY
- Monmouth County Correctional Institution, Vehicle Sallyport Gate and Fence Replacement, Monmouth County, NJ
- Monmouth County Correctional Institution, Renovation of Main Entrance, Monmouth County, NJ
- Plaquemines Parish Permanent Jail Facility, Pointe a la Hache, LA
- Rensselaer County Correctional Facility Expansion/Relocation of the Bureau of Public Safety and Automotive Maintenance Facility, Troy, NY
- Sullivan County Jail and Sheriff's Department Study, Monticello, NY
- Yates County Jail Expansion Study, Penn Yan, NY
- Sussex County, Emergency Operations Center, Georgetown, DE
- Wayne County, Emergency Communications Center, Emergency Operations Center, Wayne County, PA
- Pennsylvania Department of General Services, Feasibility Study for the Renovation of the Headquarters Building for the Pennsylvania State Police Troop K, Philadelphia, PA
- Rhode Island State Police, New Headquarters/Forensic Laboratory, Cranston, RI
- New Jersey State Police, Emergency Operations Center, West Trenton, NJ
- New Jersey State Police, Troop "C" Headquarters, Hamilton Township, NJ

- Westmoreland County Community College, Public Safety Training Center New Class A Burn Building, Smithton, PA
- City of Cambridge, New Robert W. Healy Public Safety Building, Cambridge, MA
- City of New Orleans, Police Department Headquarters Replacement Facility - Facility and Site Assessment, New Orleans, LA

Education

- 9/85 – 6/86, Attended Gateway Technical Institute, Kenosha, WI
- 9/82 – 12/82, Attended U.W. Wisconsin Parkside, Kenosha, WI
- 6/77, Certificate, Wisconsin State Law Enforcement Training Academy

Certifications

- State of Wisconsin Certified Law Enforcement Officer and Trainer
- Staff Instructor at the Milwaukee Area Technical College
- Certified Tactical Officer/Federal Bureau of Investigations
- Glock Certified Armorer

Professional Affiliations

- American Jail Association
- American Correctional Association
- American Society for Law Enforcement Training, Charter Member
- Association of SWAT Personnel
- National Emergency Number Association
- National Association of Communications Officers
- National Sheriffs' Association
- International Association of Chiefs of Police
- International Law Enforcement Educators and Trainers Association, Charter Member and Advisory Board Member

TERRY A. SHULSKY, AIA

PROJECT ROLE:

Construction
Administration/
Security Systems

Mr. Shulsky currently serves as a Vice President and as Senior Technical Leader of Construction Administration. He has over 39 years of experience in drafting, design, preparation of contract documents, detailing, and coordination of architectural drawings with structural, mechanical, and electrical disciplines. Mr. Shulsky's specific tasks include project administration, budget control, direct client contact, and overall control and coordination between the field and office during construction. His project experience includes correctional, judicial, educational, health care, office, and commercial facilities. His special area of expertise is in the design and coordination of security systems for correctional projects. Mr. Shulsky's project experience includes new construction, renovations, and adaptive reuse of facilities.

- Anthony Correctional Center, White Sulphur Springs, WV
- West Virginia Penitentiary, Programming and Conceptual Design Services for an Expansion, Moundsville, WV
- Allegany County Jail/Public Safety Building, Amity, NY
- Allegheny County Jail, Pittsburgh, PA
- Allegheny County Auxiliary Jail, Pittsburgh, PA
- Allegheny County Criminal Justice Facilities, Pittsburgh, PA
- Allegheny County Minimum Security Facility, Pittsburgh, PA
- Armstrong County Prison, Kittanning, PA
- Beaver County Jail, Beaver, PA
- Bedford County Prison, Bedford, PA
- Berks County Prison Renovations/Additions, Reading, PA
- Blair County Prison, Hollidaysburg, PA
- Butler County Prison, Butler, PA
- Butler County Detention Center, Hamilton, OH
- Cabarrus County Jail, Concord, NC
- Cambria County Detention Center, Ebensburg, PA
- Cambria County Jail, Ebensburg, PA
- Centre County Prison, Bellefonte, PA
- Dare County Jail, Manteo, NC
- Eastern Shore Regional Jail, Eastville, VA
- Erie County Prison, Erie, PA
- FCI Loretto, Loretto, PA
- Franklin County Prison, Chambersburg, PA
- Geauga County Safety Center, Chardon, OH
- Greene County Jail, Waynesburg, PA
- Hillsborough County Correctional Facility, Manchester, NH
- Indiana County Jail Replacement, Indiana, PA
- Kenosha County Adult Detention Center, Kenosha, WI
- Kenosha County Pre-Trial Facility, Kenosha, WI
- Lancaster County Prison, Lancaster, PA
- Lawrence County Prison, New Castle, PA
- Lee County Ortiz Correctional Facility, Ft. Myers, FL
- Lehigh County Prison, Allentown, PA
- Livingston County Jail Expansion/Renovation, Geneseo, NY
- Luzerne County, Correctional Facility Comprehensive Needs Assessment, Wilkes-Barre, PA
- Lycoming County Prison, Williamsport, PA
- Mercer County Prison, Mercer, PA
- Nash County Jail, Nashville, NC
- Ontario County Jail, Canandaigua, NY
- Pike County Jail, Blooming Grove Township, PA

- Pinellas County Jail Expansion - Phase II Healthcare Facility, Clearwater, FL
- Santa Rosa County Correctional Facility, Milton, FL
- SCI Albion, Albion, PA
- SCI Camp Hill, Camp Hill, PA
- SCI Camp Hill Modular Unit, Camp Hill, PA
- SCI Camp Hill, New Diagnostic and Classification Building, Camp Hill, PA
- SCI Coal Township, Coal Township, PA
- SCI Cresson, Cresson, PA
- SCI Fayette, Fayette County, PA
- Snyder County Jail, Middleburg, PA
- Somerset County Jail, Somerville, NJ
- South Woods State Prison, Bridgeton, NJ
- Suffolk City Jail, Suffolk, VA
- Susquehanna County Jail, Montrose, PA
- Tioga County Adult Correctional Facility Renovations and Additions, Wellsboro, PA
- Venango County Prison, Sugar Creek Township, PA
- Warren County Correctional Center, Belvidere, NJ
- Warren County Jail, Warren, PA
- Warren County Work Release Unit, Warren, PA
- Waukesha County Jail, Waukesha, WI
- Western Tidewater Regional Jail, Suffolk, VA
- Westmoreland County Prison, Greensburg, PA
- Westmoreland County, Feasibility Study for Renovations to the Youth Services Center, Greensburg, PA
- Wyoming County Jail, Tunkhannock, PA
- York County Prison, York, PA

Education

- Associate Degree in Architectural Design, Triangle Technical Institute, 1969

Registration

- Pennsylvania, Registered Architect, 2001

Professional Affiliations

- American Institute of Architects
- American Correctional Association

EARL G. WONG, JR., PE, LEED® AP

PROJECT ROLE:
Mechanical/Plumbing
Engineer

Mr. Wong serves as the Discipline Leader for Mechanical Engineering in Kimball's A/E Division. Mr. Wong has over 21 years of experience with HVAC, plumbing, fire protection, and mechanical engineering. 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 for purchase and construction. Mr. Wong's knowledge in sustainable or "Green" design concepts includes many facilities that have been certified by the LEED (Leadership in Energy and Environmental Design) Green Building Rating System of the U.S. Green Building Council.

Mr. Wong is experienced in the use of the latest versions of AutoCAD, Intergraph, and MicroStation software from conceptual design to final design phases in both two-dimensional and three-dimensional formats. He is capable of utilizing 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, Mr. Wong has experience in on-site interface during construction as well as testing and balancing of the facility. He has also served as the commissioning authority on various projects, including commissioning specifications, pre-functional checklists, and functional performance test guidelines.

- Cabell County, Consolidated Communications Emergency Response Center, Huntingdon, WV
- Allegany County, New Jail and Public Safety Building, Amity, NY
- Berks County Prison Renovations/Additions, Reading, PA
- Butler County Prison, Butler, PA
- Eastern Shore Regional Jail, Eastville, VA
- Erie County Dept. of Corrections, Pre-Release/Work Release Center, Erie, PA
- Franklin County Prison, Chambersburg, PA
- Geauga County Safety Center, Chardon, OH
- Indiana County Jail Replacement, Indiana, PA
- Livingston County Jail Additions/Renovations, Geneseo, NY
- Luzerne County Replacement Correctional Facility, Wilkes-Barre, PA
- Monmouth County, Renovation of Main Entrance at the County Correctional Institution, Freehold, NJ
- Monmouth County, Vehicle Sallyport Gate and Fence Replacement at the County Correctional Institution, Freehold, NJ
- Pinellas County Jail Expansion - Phase II Healthcare Facility, Clearwater, FL
- Plaquemines Parish Permanent Jail Facility, Pointe a la Hache, LA
- Rensselaer County Correctional Facility Expansion/Relocation of the Bureau of Public Safety and Automotive Maintenance Facility, Troy, NY
- SCI Camp Hill, New Diagnostic and Classification Building, Camp Hill, PA
- SCI Fayette, Fayette County, PA
- Westmoreland County, Feasibility Study for Renovations to the Youth Services Center, Greensburg, PA
- York County Prison Additions/Renovations, York, PA
- Sussex County Emergency Operations Center, Georgetown, DE
- York County Emergency Services Center, York, PA
- New Jersey State Police, Emergency Operations Center, West Trenton, NJ
- St. Clair County, New Emergency Operations Center, Belleville, IL
- Wayne County, Emergency Communications Center, Emergency Operations Center, Wayne County, PA

- Wyoming County Public Safety/Emergency Center, Tunkhannock, PA
- Beaver County, Emergency Operations Center Relocation Feasibility Study, Beaver, PA
- Franklin County, New Emergency Operations Center, Chambersburg, PA
- Steuben County 9-1-1 Center, Bath, NY
- County of Hunterdon, Additions and Alterations to the Communications/Emergency Services Building, Flemington, NJ

Education

- Bachelor of Science, Mechanical Engineering, University of Portland, 1986

Registrations/Certification

- West Virginia, Professional Engineer, 2002
- Pennsylvania, Professional Engineer, 1999
- Professional Engineer in Fourteen Additional States
- LEED Accredited Professional

Professional Affiliation

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

SCOTT A. KRAYNAK, PE, CEM, LEED® AP

PROJECT ROLE: Electrical Engineer

Mr. Kraynak serves as the Discipline Leader for Electrical Engineering in Kimball's A/E Division. He has over 16 years of experience with electrical distribution system and lighting design, fire detection, stand-by generators, security systems, and electrical commissioning services. Mr. Kraynak's project experience includes public safety, correctional, educational, sports, laboratory, office, residence hall, and conference center facilities involving both new construction and renovation.

Prior to joining Kimball, Mr. Kraynak's responsibilities included designing high-reliability electrical distribution systems utilizing commercial power, stand-by generator systems, UPS power, and lead acid battery sources. He was also responsible for the overall design of projects utilizing the most recent advanced technologies available, the specification of all electrical equipment, and the coordination of all contract documents. While serving as a Nuclear Electrician's Mate in the United States Navy, Mr. Kraynak was qualified as an Engineering Watch Supervisor (EWS), supervising a nuclear reactor watch team of ten personnel during at-sea reactor plant operation. He also completed the National Electrical Apprenticeship Program with more than 8,000 documented hours of hands-on work experience.

- Cabell County Emergency Response Center, Huntington, WV
- Butler County Prison, Butler, PA
- Indiana County Jail, Indiana, PA
- Plaquemines Parish Permanent Jail Facility, Pointe a la Hache, LA
- Rensselaer County Correctional Facility Expansion/Relocation of the Bureau of Public Safety and Automotive Maintenance Facility, Troy, NY
- Logan Township Municipal Building, Altoona, PA
- Beaver County Emergency Response Center, Ambridge, PA
- Delaware Valley Intelligence Center/Philadelphia Emergency Operations Center, Philadelphia, PA
- Franklin County Emergency Communications/Operations Center, Chambersburg, PA
- PA Department of General Services, Construction of Readiness Center, Williamsport, PA
- St. Clair County, New Emergency Operations Center, Belleville, IL
- U. S. Airways, Flight Operations Control Center and Training Center, Pittsburgh, PA
- Wyoming County 9-1-1 Center, Tunkhannock, PA
- York County Emergency Services Center, York, PA

Education

- Bachelor of Science, Electrical Engineering, University of Michigan, 2001
- United States Navy, 1991 – 1997
 - Circuit Breakers and Controllers
 - Motor-Generator Mechanical Maintenance
 - Static Control Device Theory
 - Quality Assurance Inspector
- U. S. Naval Nuclear Power Training, 1990 - 1991
 - Nuclear Field "A" School (Electrical)
 - U. S. Naval Nuclear Power School
 - Naval Nuclear Prototype Training

Registrations/Certifications

- Pennsylvania, Professional Engineer, 2006
- Professional Engineer in One Additional State
- Certified Energy Manager (CEM)
- LEED Accredited Professional

Professional Affiliations

- Association of Energy Engineers
- Engineering Society of Western Pennsylvania

LAWRENCE R. ZDINAK, JR., PE

PROJECT ROLE:
Structural Engineer

Mr. Zdinak serves as the Discipline Leader for Structural Engineering in Kimball's A/E Division. Mr. Zdinak has served as a project engineer for various correctional, public safety, educational, judicial, industrial, manufacturing, commercial, transportation, and healthcare facilities throughout his career of over 13 years. These projects have varied in size and scope and have involved new construction as well as renovations and additions to existing facilities.

Mr. Zdinak is involved with all aspects of structural engineering including structural analysis, structural design, and facilities condition investigations. Mr. Zdinak's responsibilities include developing and preparing structural designs while consulting with architects in establishing preliminary, working, and final drawings, preparation of specifications, structural inspections, and construction administration activities including shop drawing review, responding to requests for information, site visits, preparation of field reports, and repair details. His responsibilities have also included collaborating with architects, other engineering disciplines, owners, contractors, and fabricators for overall coordination of projects. He possesses design experience in steel, composite steel (joists and beams), concrete, wood, and masonry. Mr. Zdinak has experience in various computer programs including AutoCAD, RAM Advance, RAM Structural System, FloorVibe, Microsoft Word and Excel, and Enercalc.

- Cabell County, Consolidated Communications Emergency Response Center, Huntingdon, WV
- Allegany County, New Jail/Public Safety Building, Amity, NY
- Berks County Prison Renovations/Additions, Reading, PA
- Butler County Prison, Butler, PA
- Centre County Prison, Bellefonte, PA
- Eastern Shore Regional Jail, Eastville, VA
- Franklin County Prison, Chambersburg, PA
- Geauga County Safety Center, Chardon, OH
- Indiana County Jail Replacement, Indiana, PA
- Livingston County Jail Expansion/Renovation, Geneseo, NY
- Luzerne County Replacement Correctional Facility, Wilkes-Barre, PA
- Mercer County Jail, Mercer, PA
- Monmouth County, Vehicle Sallyport Gate and Fence Replacement at the County Correctional Institution, Freehold, NJ
- Pinellas County Jail Expansion - Phase II Healthcare Facility, Clearwater, FL
- Rensselaer County Correctional Facility Expansion/Relocation of the Bureau of Public Safety and Automotive Maintenance Facility, Troy, NY
- SCI Camp Hill, New Diagnostic and Classification Building, Camp Hill, PA
- SCI Smithfield, New Housing Unit, Huntingdon, PA
- Southern State Minimum Security Facility, Delmont, NJ
- SRP Boot Camp Facility, New Lisbon Developmental Center, New Lisbon, NJ
- York County Prison Addition/Renovation, York County, PA
- Franklin County, New Emergency Operations Center, Chambersburg, PA
- St. Clair County, New Emergency Operations Center, Belleville, IL
- New Jersey State Police, Emergency Operations Center, West Trenton, NJ
- Pennsylvania State Police, Core Communication Dispatch Centers in Norristown, Greensburg, Pittston, and Clarion, PA

- Niagara County, Public Safety Communications and Consolidation Improvements, Lockport, NY
- County of Hunterdon, Additions and Alterations to the Communications/Emergency Services Building, Flemington, NJ
- Steuben County 9-1-1 Center, Bath, NY
- Sussex County, Emergency Operations Center, Georgetown, DE
- Wayne County, Emergency Communications Center, Emergency Operations Center, Wayne County, PA
- Wyoming County Public Safety/Emergency Center, Tunkhannock, PA
- York County Emergency Services Center, York, PA

Education

- Bachelor of Architectural Engineering (Structural Emphasis), The Pennsylvania State University, 1995

Registrations

- West Virginia, Professional Engineer, 2001
- Pennsylvania, Professional Engineer, 2001
- Professional Engineer in Nine Additional States

Professional Affiliations

- American Concrete Institute
- American Institute of Steel Construction
- Precast/Prestressed Concrete Institute
- National Council of Examiners for Engineering and Surveying, 2001

STEVEN D. STAATS, ASLA

Summary

Education

*The Ohio State
University –
BS, Landscape
Architecture
1981*

Mr. Staats joined Burgess & Niple in 1984 as a landscape architect. His 28 years of design experience includes the preparation of feasibility reports, master plans, graphic presentations, detailed plans, specifications, and cost estimates for parks, military facilities, commercial developments, housing developments, industrial plants, highway beautification, educational facilities, and street and parking beautification. Additional responsibilities have included providing construction services, preparing Phase IESAs, and serving as a team member for numerous bridge inspections in Ohio and West Virginia. Mr. Staats is a member of the American Society of Landscape Architects.

Relevant Background

Military Facilities – Project director responsible for the design of hardscape and softscape improvements including overall site master planning, plantings, visual screening, pedestrian walkways, vehicular circulation routes, parking lots, and force protection/anti-terrorism measures. Representative military projects include:

Registration

*Registered
Landscape
Architect –
Ohio
Virginia
West Virginia*

*CLARB – Council of
Landscape
Architectural
Registration Board*

- **Ft. Knox Underpass, Gas Regulator, and Electric Substation Sites, Ft. Knox, Kentucky** – Design for fencing and plantings for visual screening of gas regulators and electric substations throughout the entire post.
- **Rose Terrace Housing Quarters, Ft. Knox, Kentucky** – Design of a new parking lot, access road, walkway system, and plantings for an existing military housing complex.
- **Hawk Armory, McConnelsville, Ohio** – Design of parking lots, walkways and plantings for a new military facility.
- **United States Coast Guard Facility, Clearwater, Florida** – Planting design of for the parking lot and building foundation associated with a new Coast Guard facility.
- **Wright Patterson Air Force Base, Airmen's Quarters and Recreation Facilities, Dayton, Ohio** – Planting design for the parking lots, walkways, and courtyard at two new living quarters facilities.
- **DSCC Gate Landscaping/Signage Improvements, DSCC, Columbus, Ohio** – Planting design associated with two main entries at this Army Depot.
- **DSCC Master Plan, DSCC, Columbus, Ohio** – Master Improvement Plan design for the entire Depot.
- **AT/FP Design, DSCC, Columbus, Ohio** – Design of fencing and plantings necessary for anti-terrorism and force protection around two major building at the Depot.
- **AT/FP Landscape Design, Day Care Facility, DSCC, Columbus, Ohio** – Design of fencing and plantings necessary for anti-terrorism and force protection around a day care facility.
- **Youngstown Air Force Base, Youngstown, Ohio** – Planting design for aesthetics and anti-terrorism and force protection at a new Air Force facility.
- **Ft. Campbell 160th Memorial Plaza, Ft. Campbell, Kentucky** – Design of walkways, plaza/seating areas, immersive design elements and plantings.

Steven D. Staats

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- **Williamstown Readiness Center, Parkersburg, West Virginia** – Site development associated with a new Readiness Center.
- **Toxicology Lab Addition, Wright Patterson Air Force Base, Dayton, Ohio** – Design of plantings for a parking lot, entry area, and building foundation at a new military facility. Received an Air Force Material Command (AFMC) Merit Award.
- **Wright Brothers Memorial/Multi-Modal Planning, Wright Patterson Air Force Base, Dayton, Ohio** – Master plan for a transportation study that involved linking historic downtown Dayton with historically significant areas at the Wright Patterson AFB. All historic areas referenced the Wright Brothers and the birth of Aviation.
- **Landfill Recreational Master Plan, Wright Patterson Air Force Base, Dayton, Ohio** – Master plan that utilized base landfill areas for recreational areas. Driving range, trails, picnic and frisbee golf were proposed recreational activities.
- **Ft. Knox Dining Hall, Ft. Knox, Kentucky** – Planting and walkway design associated with a new dining hall facility.
- **Wright Patterson Air Force Base, Airmen's Dormitory, Dayton, Ohio** – Planting and walkway design for parking lots, walkways, and courtyard at two new dormitories.
- **Ft. Knox Barracks, Ft. Knox, Kentucky** – Planting and walkway design for a new headquarters building, three new barracks buildings and associated parking facilities.
- **Ft. Bragg Brigade Combat Team Complex, Ft. Bragg, North Carolina** – Site development for 100 modular barracks and administration buildings that had to be designed in four months.
- **Coast Guard Facility, Gulfport, Mississippi** – Planting design for a new facility that was destroyed by Hurricane Katrina.
- **Ft. Sam Houston CDC, San Antonio, Texas** – Planting, site furnishings, walkway, and signage design for a new child development center within Ft. Sam Houston.
- **Ft. Benning CDC, Ft. Benning, Georgia** – Planting, site furnishings, and walkway design for a new child development center within Ft. Benning.
- **Hunter AAF CDC, Hunter AAF, Georgia** – Planting, site furnishings, and walkway design for a new child development center within Hunter AAF.
- **Ft. Jackson Drill Sergeant School, Ft. Jackson, South Carolina** – Planting, site furnishings, and walkway design for a drill sergeant school within Ft. Jackson.
- **Ft. Bliss CDC and YC, El Paso, Texas**. Planting, site furnishings, and walkway design for a new child development center and a new Youth Center within Ft. Bliss.
- **C-5 Final Infrastructure Upgrade, Martinsburg, West Virginia** – Design of roadway upgrades, new aircraft tug path, building signage, roadway lighting, and parking lot improvements for aircraft hangars.
- **Ft. Carson Dining Hall, Ft. Carson, Colorado** – Planting, site furnishings, and walkway design for a new dining hall within Ft. Carson.
- **Ft. Lewis Barracks – COF Facilities, Ft. Lewis, Washington** – Planting, site furnishings, and walkway design for a new barracks complex and COF facilities.
- **Human Performance Wing, Wright Patterson Air Force Base, Dayton, Ohio** – Planting, site furnishings, and walkway design for a new human performance wing.
- **Naval Warfare Facility, Norfolk Naval Base, Norfolk, Virginia** – Planting, site furnishings and walkway design for a new naval warfare building.

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Institutional/Commercial – Project director responsible for design of landscape improvements that have included plant material, signage, hardscape for pedestrian circulation and vehicular circulation, and lighting. Representative commercial projects include hospitals, senior living communities, major hotels, chain restaurants, industrial parks, city complexes, churches, and parking lots.

- **St. Marys Streetscape, Phase 2, St. Marys, West Virginia** – Design of new sidewalks, curb cuts, plantings, and lighting in downtown St. Marys.
- **USDA Forest Service, Big Bend Park, Grant County, West Virginia** – Site development for a new bath house and associated parking lot.
- **USDA Forest Service, Garden of the Gods Recreation Area, Shawnee National Forest, Illinois** – Site development for an existing rural park which included trail improvements, new water storage tanks, rest room facilities, and new parking facilities.
- **USDA Forest Service, Prescott National Forest, Camp Verde, Arizona** – Planting and drip irrigation design for a new ranger station and parking facilities.
- **USDA Forest Service, Lincoln National Forest, Lost Lodge, New Mexico** – Planting design for a new ranger station and parking facilities.
- **St. Joseph's Hospital, Parkersburg, West Virginia** – Courtyard and main entry area hardscape and landscape design.
- **Marriott Corporation Hearthside and Brighton Gardens, Ohio and West Virginia** – Senior living community site development and landscape design.
- **Glenwood Senior Living Community, Marietta, Ohio** – Senior living community site development.
- **Union Central Life Insurance, Forest Park, Ohio** – Planting design for building addition, main entry area and multiple parking lots.
- **Paden City Industrial Park, Paden City, West Virginia** – Vehicular circulation layout for refurbished industrial facility.
- **Parkersburg Housing Authority, Parkersburg, West Virginia** – Site development for new recreational center.
- **Thomas Memorial Hospital, Charleston, West Virginia** – Planting design for main building and new office/parking garage addition.
- **Huntington Business & Technology Park, Huntington, West Virginia** – Site development for a 100 acre tract.
- **Belpre City Building, Belpre, Ohio** – Planting design for a new city building.
- **North Royalton Fire Station, North Royalton, Ohio** – Planting design and screen fencing for a new facility.
- **Federal Public Debt Building, Phase 2, Parkersburg, West Virginia** – Site development and planting design for a building addition.
- **Morgantown Bus Garage, Mountain Transit Authority, Morgantown, West Virginia** – Site development for an industrial building refurbishing.
- **Brownsburg Town Hall & Police Station, Brownsburg, Indiana** – Planting design for a new city complex.

TIMOTHY L. UTT, PE

Summary

Education

*West Virginia
Institute of
Technology –
BS, Civil Engineering
1992*

Mr. Utt joined Burgess & Niple in 1997 as a civil engineer. His 17 years of experience includes site development, water distribution systems, and wastewater collection systems and treatment. His experience has encompassed preliminary and final design documents for site development projects, comprehensive water supply plans including source water supply studies, distribution modeling, treatment and storage facility assessment, preliminary cost reports, and funding applications. Design experience includes distribution and transmission water lines, booster pump facilities, storage tank facilities, wastewater package plants, collection systems and lift stations and municipal storm sewers. Other design experience includes grading, drainage, and erosion control plans for site development.

Relevant Background

Site Development – Project engineer responsible for design of site improvements including roadway, building sites, utilities, pedestrian circulation and walkways, and permit coordination.

Registration

*Professional
Engineer-
Ohio
West Virginia*

- Ft. Bragg Brigade Combat Team Complex, Ft. Bragg, North Carolina
- The Woods Subdivision, Parkersburg, West Virginia
- Randolph Plaza Subdivision, Parkersburg, West Virginia
- Godbey Field Relocation, Parkersburg, West Virginia
- Godbey Colt Field and Soccer Fields Relocation, Parkersburg, West Virginia
- Kinetic Park, Huntington, West Virginia
- Lowe's, Summersville, West Virginia
- Marriott's Residence Inn, Charleston West Virginia

Streetscape-Downtown Improvements – Project engineer responsible for utility design and coordination associated with downtown streetscape projects. Additional responsibilities included construction administration services. Representative projects include:

- George Street Improvements, St. Marys, West Virginia
- Kinetic Park, Huntington, West Virginia
- Bureau of Public Debt – Phase 2, Parkersburg, West Virginia

Wastewater Systems – Project engineer responsible for design of sanitary wastewater improvements for package treatment plants and collection systems, including pumping stations. Representative projects include:

- Charleston Sanitary Board, West Virginia
- Moundsville Sanitary Board, West Virginia
- Parkersburg Utility Board, West Virginia
- City of Vienna, West Virginia
- Village of McConnelsville, Ohio
- Huntington Sanitary Board, West Virginia
- Lubeck Public Service District, Lubeck, West Virginia
- City of New Martinsville, West Virginia
- Wheeling-Pittsburgh Steel, Brooke County, West Virginia

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- Town of Clay, West Virginia

Wastewater System Feasibility Studies – Prepared feasibility reports for wastewater treatment and collection for various municipal and public service districts throughout West Virginia. Representative projects include:

- Charleston Sanitary Board, West Virginia
- City of Point Pleasant, West Virginia
- Moundsville Sanitary Board, West Virginia
- City of Vienna, West Virginia
- Brooke County Public Service District, West Virginia

Water Transmission and Distribution Systems – Project engineer responsible for design of water transmission and distribution systems, including booster pumping stations and ground and elevated storage tanks. Representative projects include:

- Parkersburg Utility Board, Parkersburg, West Virginia
- Valley Falls Public Service District, Fairmont, West Virginia
- City of Fairmont, West Virginia
- Town of Wayne, West Virginia
- Veterans Administration Medical Center, Huntington, West Virginia
- Snowshoe Ski Resort, West Virginia

Water System Feasibility Studies – Prepared feasibility reports for water supply treatment and distribution for municipal and public service districts. Representative projects include:

- Valley Falls Public Service District, Marion County, West Virginia
- Town of Cairo, West Virginia
- City of Athens, Ohio
- City of Fairmont, West Virginia
- Town of Wayne, West Virginia
- Armstrong Public Service District, Addena Village, West Virginia
- Valley Falls Public Service District, Fairmont, West Virginia

Water Distribution System Modeling – Project engineer responsible for development of hydraulic computer modeling of water distribution and transmission mains, storage system facilities, and booster pumping stations. Representative projects include:

- Valley Falls Public Service District, Fairmont, West Virginia
- City of Fairmont, Fairmont, West Virginia
- Parkersburg Utility Board, Parkersburg, West Virginia
- Snowshoe Ski Resort, Snowshoe, West Virginia

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Storm Sewer Systems – Project engineer responsible for design of storm sewer collection systems, storm sewer channels, and retention and detention ponds.

- Ft. Bragg Brigade Combat Team Complex, Ft. Bragg, North Carolina
- The Woods Subdivision, Parkersburg, West Virginia
- Moundsville Sanitary Board, West Virginia
- Federal Public Debt Building – Phase 2, Parkersburg, West Virginia
- Godbey Colt Field and Soccer Fields Relocation, Parkersburg, West Virginia
- Kinetic Park, Huntington, West Virginia
- Marriott's Residence Inn, Charleston West Virginia
- City of Parkersburg, West Virginia
- City of St. Albans, West Virginia

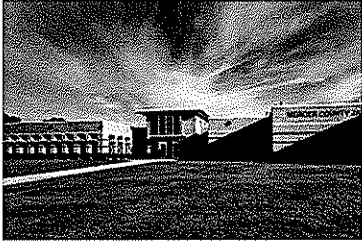
Storm Sewer System Feasibility Studies – Prepared feasibility reports for control of storm water runoff for various municipal and public service districts throughout West Virginia. Representative projects include:

- Moundsville Sanitary Board, West Virginia
- City of Point Pleasant, West Virginia
- City of Vienna, West Virginia

Memberships, Affiliations and Honors

✓ American Water Works Association
American Society of Civil Engineers
National Society of Professional Engineers

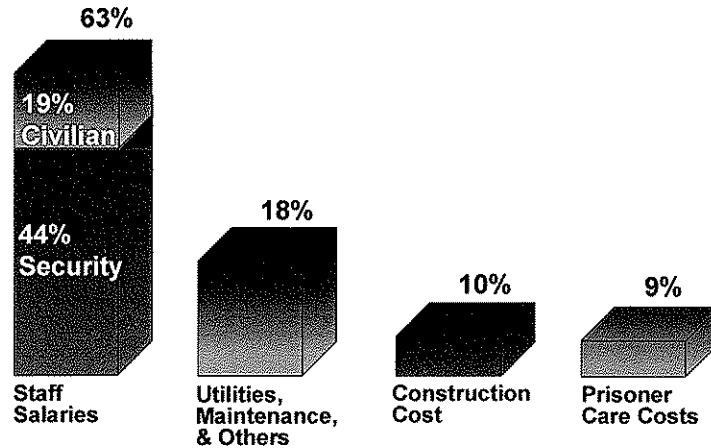
PROJECT APPROACH



FACILITY DESIGN

The cost of building correctional facilities is high when compared to other building types, as much as two to three times more in dollars per square foot when compared to residential and commercial spaces. In addition, the facilities are used around the clock, every day of the year.

Many jurisdictions consider the first cost of design and construction to be prohibitive but have no option but to fund the project at substantial expense. However, one cannot overlook the burden of ongoing operational costs. These can be as much as eight to ten times greater than first costs over a life cycle of 30 years. The National Institute of Corrections has developed data on this issue which is graphically illustrated below.



Of these long-term costs, the largest block involves security staff. Our firm has developed data for you projecting 30-year life cycle staffing costs. In the process, we used the following assumptions:

- Annual Average Salary \$25,000
- Fringes and Benefits of 35%
- Annual Inflation of 3%
- Shift Relief Factor 1.7

Using these numbers, an eight-hour post occupied seven days a week costs the State approximately \$2,730,000 over a 30-year period. A 24-hour post occupied seven days a week costs approximately \$8,189,000.

Accordingly, an inefficient design that necessitates three additional 24-hour/seven-day-a-week posts may cost the State more than the cost of construction currently contemplated.



A similar impact can be borne by the client in initial construction with an inefficient design. Construction costs are determined by a combination of design factors.

1. **QUALITY**, usually measured in dollars per square foot. Quality is impacted by the selection and use of materials, systems, and finishes.
2. **QUANTITY**, measured in square feet of architectural area, typically has the greatest impact. Quantity can be dictated by the program developed with the involvement of the owner/user. However, the design and the efficiency of that design can have the greatest impact on the architectural area of a correctional facility.

This efficiency is determined by a calculation dividing the net area by the gross or architectural area of a building. Net areas typically do not include:

- Circulation Space
- Wall Thicknesses
- Mechanical/Electrical Equipment Rooms

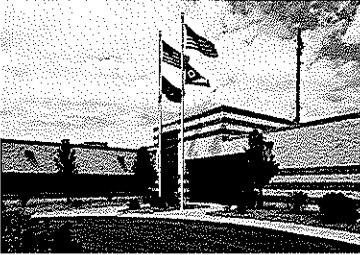
The gross area represents the actual or architectural area to be constructed.

For correctional facilities, efficiencies typically vary from a low of 55% to a high of 65%. On a \$25,000,000 project, construction costs can vary by \$2,500,000 with this 10% range for the same net or usable area.

Correctional facilities are exposed to continuous use requiring that special attention be given to maintenance issues in the specifying of materials, finishes, and systems. As illustrated in the graphic in this section, those costs represent nearly 20% of the 30-year life cycle costs.

PROGRAMMING

Programming includes both functional and architectural components. Functional programming is derived from law enforcement, jail, and other State staff with input of the consultant based on experience and conditions observed in other similar projects. The State must decide and clearly express its goals and objectives so that the architect can develop a design responsive to your needs.



The architectural program will serve as a written guide to the design of the physical plant. It should identify the following:

- Statement of Goals and Objectives
- Correctional Standards to be Used
- Physical Space Requirements
- Adjacencies
- Staffing Model
- Equipment Needs



If applicable, any programs completed by other consultants will be verified with the State before moving on to schematic design.

SCHEMATIC DESIGN PHASE

This phase reflects a conceptual level of design that takes into account basic spatial organization and affinities, exterior form, and massing of the building. Site concepts describe circulation and access as well as organization of the building relative to natural or other forms. System concepts take into account the general approaches to construction and structural, mechanical, electrical, and security systems.

In the schematic design phase, the Architect's emphasis is on the organization and qualities of the architectural solution, not its details. The design concept establishes the parameters within which more detailed decisions can be made in subsequent phases. Some issues include:

- Form and Massing
- General Character of the Elevations
- Materials and Textures Proposed
- Access to the Building and Internal Circulation
- Organization of the Building Vertically and Horizontally
- Functional Relationships
- Image of the Facility

Existing and proposed circulation as well as utilities are important considerations in developing site concepts. The location or placement of the building on the site must be carefully considered and justified from economic as well as functional standpoints. Siting issues include:

- Building massing relative to other buildings, structures, or natural elements on the site.
- Pedestrian and vehicular circulation on the site.
- Building access including deliveries and disposal of trash.
- Views to and from the building.
- Landscaping, grading, and plant material massing as they relate to the proposed building and the site's environment.
- Utility routing or access to connecting lines.



As the architectural response to the program begins to develop, so do the engineers' concepts of structural and environmental systems. As with other aspects of the schematic design phase, general types of systems must be determined early in the process; however, detail is developed in the phases that follow. The nature of structural and environmental systems has a significant impact not only on the design but also on issues of time and cost.

When the schematic design phase is completed, building systems should be selected and described. The Architect should also identify:

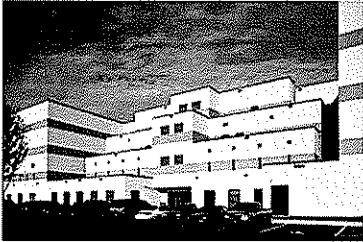
- Structural System
- Floor and Roof Systems
- Exterior Wall System
- Interior Walls and Partitions
- Horizontal and Vertical Circulation
- Plumbing Fixture Locations
- HVAC Systems
- Electrical Systems
- Security Systems
- General Interior Finishes

This phase of the design process should also include other information that is communicated in writing and drawings including:

- Project Description
- Revisions to the Program
- Site Plans, Sections, and Details
- Floor Plans, Elevations, and Sections
- Area Analysis
- Statement of Probable Construction Cost

It is important that part of the process is to continually test decisions against programmatic goals and objectives.

In virtually all jail projects designed by our firm, we suggest compliance with ACA standards for adult local detention facilities. We believe that, in terms of both operational and physical plant issues, compliance with a national standard is an additional layer of support in case of litigation brought by inmates. Compliance with West Virginia correctional standards is mandatory and, as a matter of course, involves the appropriate agencies at the programming and schematic design levels to assure compliance.



The great majority of our more than 150 correctional projects involved all or most of the agencies that will be involved in your project. Accordingly, our experience in dealing with these complex dynamics is extensive. Our firm provides a unique circumstance in that all of the correctional facilities designed by our firm have been designed by our lead designer and most of the security systems have been designed by our specialists in this area of expertise. In the course of this experience covering more than 150 projects and over 35 years, interaction, cooperation, and responsiveness in a harmonious manner is our commitment to our clients.

The planning and design of spaces for use by persons with physical and visual handicaps has also become mandatory through the Americans with Disabilities Act (ADA). These standards continue to evolve and change. Again, established standards are incorporated in the design.

Kimball considers value engineering a technique that focuses on eliminating items that create added cost to a building program without added value. Each expenditure that relates to the function of the facility is evaluated as to its life cycle cost.

DESIGN DEVELOPMENT PHASE

In the design development phase, the emphasis moves from contextual to more detailed concerns. It should be emphasized that while a great number of decisions are made in the design development phase, they should be within the context of conceptual decisions made in the schematic design phase.

The design development phase is best characterized by the work product at the completion of the phase. It must be developed to the point that the construction drawings and specifications can be started. In many firms, design development plans become the base sheets for working drawings. Accordingly:

- Site drawings are developed to show building location and access, circulation, site grading, and planting.
- The architectural solution is developed to the point where all spaces are delineated and dimensioned.
- Sections and elevations are developed to identify materials and clearances for building structural, mechanical, and electrical systems.
- A complete outline specification is developed.
- The probable construction cost is updated to assure consistency with budgetary goals.
- Tentative bid packaging must be confirmed with the owner and construction manager (if applicable).



Before commencing the construction documents phase, documents must be checked against regulations of all agencies having jurisdiction over the project. Where possible, this should also be done at the end of each phase prior to starting the subsequent phase.

CONSTRUCTION DOCUMENTS PHASE

During this phase, the Architect prepares final drawings and a project manual that includes complete specifications. All drawings and documents are checked for coordination with associated disciplines and consistency with programmatic goals and objectives. Each consultant will develop an updated statement of probable construction cost.

In more simple terms, this phase of the project includes the following basic activities:

- Completion of the Contract Documents
- Preparation for Bidding of the Construction Contracts
- Preparation for Construction

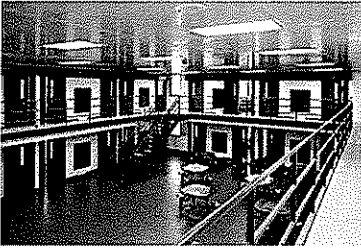
Coordination and integration of the three activities in the construction documents phase is essential.

The purpose of phased developments of architectural projects is to establish an ordered sequence of decision making prior to the start of the final construction documents. If the process proceeds in the proper sequence, the construction documents phase should be largely dedicated to production.

The bidding and construction sequencing and scheduling must be finalized within this phase. Occupancy dates are important, especially for correctional projects where overcrowding in the existing system is a problem. Accordingly, impacts of scheduling become more acute and must be thoroughly discussed relative to their implications with regard to cost and market conditions.

PRE-CONSTRUCTION AND BIDDING PHASE

The Architect's role in the bidding phase is to advise the owner on the best course of action and to recommend methods of sequencing and packaging of bids for the project. The Architect will be involved in a pre-bid conference to assure the understanding of the project and scope of individual bid packages by prospective bidders. Certain clarification or changes may be required as a result of questions posed by prospective bidders, necessitating the issue of addenda.



CONTRACT ADMINISTRATION PHASE

Careful administration of the construction contracts is invaluable to a quality product delivered on time. Effective communication among the owner, contractor, construction manager (if applicable), and Architect is imperative. To that end, communication procedures must be formalized for job conferences, correspondence, schedules, notices, requisitions, etc. and must be channeled along specific routes.

During the construction phase, the Architect visits the site at intervals appropriate to the stage of construction. The Architect reviews the contractor's proposals for changes and prepares change orders for the owner's approval. The Architect is the agent of the owner and, as such, transmits directives and instructions to the contractor.

Shop drawings and material submissions are reviewed. The Architect assists in obtaining a certificate of occupancy when the contractor issues written notice that all work has been completed. The Architect develops a punchlist of non-conforming work that must be completed or corrected.

MASTER PLANNING

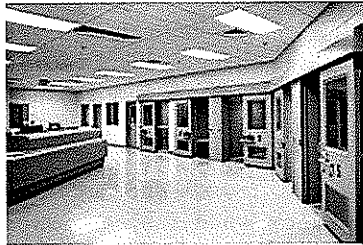
The site must be able to support the scope of construction planned. Master planning of the site will involve the determination and examination of long-term issues as well as the possibility of future expansion.

Issues such as open space, parking, and vehicular and pedestrian circulation as well as security zones will be explored taking into account future development options.

Development beyond current projected needs must also be considered and developed in plan to test the site. Such factors are normally addressed in a site master plan. This plan controls and illustrates how roads, open space, landscaping, utilities, and structures will be expanded or removed in the future. The plan should illustrate phased development over time with each phase representing completion of a major change on the site.

Traffic analysis for site planning and design contemplates vehicular as well as pedestrian traffic. Consideration must be given to a variety of site-related issues such as grading, drainage, geology, landscaping, utilities, fire protection, fire lanes, deliveries, prisoner intake, and refuse collection.

Traffic data must be collected and analyzed. Plans for street improvements in the vicinity of the site as well as projected traffic volumes must also be considered.



Permitting issues related to site vehicular access will be reviewed with State officials. The site design must provide for smooth, continuous vehicular circulation while providing safe pedestrian zones by minimizing pedestrian/vehicular interaction.

Delivery areas, prisoner intake, and refuse collection points must be separated from public access points. Prisoner intake should accommodate a secure vehicular sallyport with drive-through access preferable.

SITE/CIVIL ENGINEERING

Site/civil engineering analysis begins at the earliest stages of conceptual design. In siting the proposed facility, existing utilities, soils, geology, and other factors must be evaluated to determine the most efficient and cost-effective design. Capital costs must be balanced with operational and maintenance costs.

The civil engineer for this project will work closely with State staff to develop cost-effective and innovative design solutions. Project permitting will be reviewed with State officials to assure compliance with regulatory requirements and to prepare the required permits for development. The site/civil engineering team will work interactively with the master planning team and facility design team to ensure continuity in infrastructure phasing and utilities coordination.

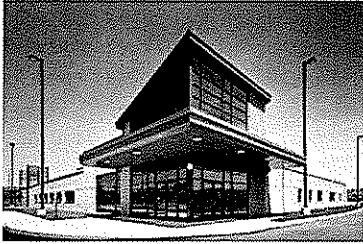
LANDSCAPE/SITE DESIGN

The physical characteristics of the site have a major impact on the design of the facility. Site characteristics will need to be evaluated as to their effect on function and cost.

The exposure and orientation of the building on the site will impact energy and operational costs. Correctional facilities are typically substantial in mass providing an opportunity to take advantage of passive solar gain through orientation and other methods of design optimizing long-term energy costs.

Criteria that must be considered in the site design process include:

- Image
- Function
- Economics
- Access
- Neighborhood Compatibility
- Zoning



Site design for correctional facilities should incorporate landscaping and site amenities compatible with its neighborhood. Form as well as function must be carefully balanced to project a suitable image while not compromising initial or long-term maintenance costs.

Unlike most other public buildings, correctional facilities are in full operation at all hours every day of the year. This factor alone dictates appropriate responses to the chosen site and the fabric of its neighborhood.

Local zoning and development ordinances must be reviewed to identify constraints and design requirements associated with vehicular flow on site, parking, deliveries, trash/garbage removal, and prisoner intake as well as public access.

To this end, our firm will develop schematic plans for the ultimate population for the proposed facility to test the validity of data and capacity of the site as well as the other factors mentioned above.

STRUCTURAL ENGINEERING

Structural system options will be analyzed at the earliest stages of design to assure application of the most competitive system available within the proximity of the facility.

Pre-fabricated/modular panels or units will be discussed and analyzed to determine their availability within your construction market area and their impact on construction cost and time.

As designers, we are careful to avoid committing an owner to a system or module that is not competitive in a given market.

Our engineers keep abreast of technological developments, new construction materials, their capabilities, and modern fabricating trends as applied to structures and foundations. By studying and working with these new materials, we are qualified to determine the most economical uses of new and standard materials and methods to fulfill function and construction requirements.



MECHANICAL/ELECTRICAL ENGINEERING

The various systems will be designed with components requiring minimal service and maintenance and will be located in equipment rooms or service areas avoiding installation above ceilings or in occupied areas. Provisions will be made for servicing access, removal, and replacement. Sufficient instrumentation for measuring, indicating, monitoring, operating, and servicing at full load as well as part load conditions will be provided.

Equipment selection and specification criteria will include durability, future costs of replacement parts, reliability, maintainability, and serviceability with stable operating points at full and part load conditions but below maximum limits for capacity, speed, temperature, and pressure.

Where direct digital control systems are used, the computer is programmed to allow the operating personnel to generate maintenance reports for various pieces of equipment and devices, order parts, schedule personnel, and various other functions required by the particular operation.

Federal, state, and local agencies are typically caught between increasing costs of government and limited sources of revenue. Few state governments can afford to finance construction of jails with cash. Therefore, it is all the more important that the Architect be responsible in his design efforts to minimize construction as well as operational costs. The balance is delicate and requires a thorough knowledge of options from which an informed owner can select.

The architecture of a correctional facility should reflect a secure image and express careful/thoughtful use of public money.

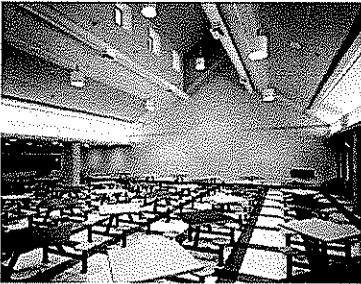
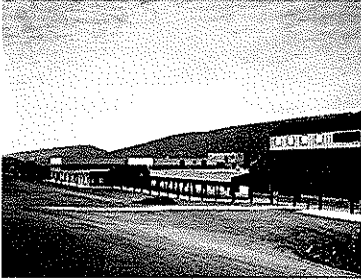
The mechanical engineer's principal responsibilities involve the building's environmental control systems with primary concern in the establishment of project-specific design criteria for:

- Heating/Air Conditioning
- Ventilation
- Plumbing

The mechanical engineering team will perform an energy utilization study to address the following aspects:

- Existing and Proposed Energy Requirements
- Available Energy Sources
- Alternative Systems

In addition, many concepts will be evaluated for their application in design of the proposed facilities. These include:



- Coefficients of heat transmission through proper selection of building and insulation materials.
- Use of heat recovery systems utilizing heat transfer from exhausted air (and similar concepts) to supplement the heating load requirements for the building.
- The use of automatic and economizer controls to reduce the operating periods for the various mechanical systems.
- The application of specialized equipment to supplement the various mechanical systems.

Another primary concern of the mechanical engineer is the design of the building's plumbing systems: water distribution with related equipment, sanitary waste disposal, storm drainage, and fire protection. Energy and water conservation concepts are employed where possible for the water distribution system. Heat recovery and water reuse concepts are examples of such applications.

These mechanical engineering services complement and complete basic professional services of the Architect for all of the design and construction phases of work.

Electrical system design criteria and equipment specification follow. Here again, our full-service, multidisciplined approach provides for real-time interaction on the part of our electrical, mechanical, and architectural design teams.

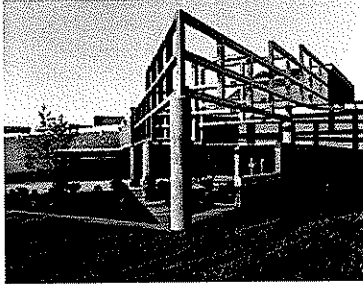
Security and reliability are key issues in engineering power distribution and lighting systems for a correctional facility. Typical loads include:

- Indoor General Lighting for the Building
- Outdoor General Lighting for the Building, Roadway, and Parking Lot
- Interior and Exterior Security Lighting
- Door Control Systems
- Communication Systems
- CCTV Surveillance Systems
- Fire Alarm Systems
- Fire Protection Systems
- Perimeter Security Protection Systems

Additional considerations include equipment with special power requirements.

An evaluation of the physical and psychological impacts of lighting on the inmates is a critical issue in the design process. The design solution must take into account the morale of the inmates as well as the working conditions of the staff.

Adequate light is required for the performance of tasks requiring vision, especially reading and writing. Reading requires approximately 75-100 foot candles.



Lighting can also be made available naturally from windows or skylights. Windows are not a luxury but provide the inmate with a visual link with the outside world. Studies have shown that man suffers side effects when forced to spend too much time in artificially lighted environments that reproduce only a portion of the daylight spectrum. It must be remembered that, in evolution, man has spent the great majority of his existence with sunlight as the main source of light.

Since an inmate will spend a substantial amount of time in his cell, light fixtures must be durable as well as secure. Ease of maintenance must also be a consideration for the replacement of bulbs, ballasts, and/or lenses.

Accordingly, lighting design criteria will be established in consideration of both physical requirements and the potential impact on inmate management.

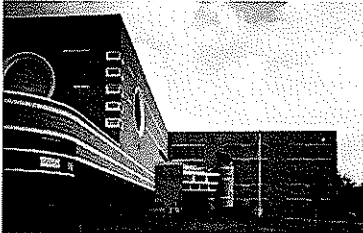
Our firm has organized a team of architectural and engineering specialists who carefully review each building project in terms of its energy efficiency in the earliest planning stages through the construction phase. The importance of designing a building to optimize the potential for economical supply and energy conservation in consideration of localized climate and geographical setting is stressed.

Factors which affect energy demand/consumption include:

- Size and Shape of the Building
- Color of the Walls and Roof
- Structural Materials
- Building Orientation, Site, and Geographical Location
- Glass Areas and Type of Glass
- Prevailing Winds
- Function of the Building, Its Occupancy, and Equipment
- Lighting and Electrical Equipment
- Type and Efficiency of Heating, Ventilating, and Air Conditioning Equipment
- Insulation

Prior to assessing the potential for application of energy conservation measures in facility construction projects, it is necessary to evaluate both existing and projected demand on the basis of the approved architectural program. Typical sources of energy loss in existing facilities include heat transmission through walls, roofs, pipes, and ducts.

Design of new facilities will incorporate energy-saving systems and components. Where feasible, design of alterations to existing facilities will consider opportunities for further savings.



IN-HOUSE SECURITY DESIGN

Kimball is one of the few firms that has an **established in-house security capability**. Over the 35 years that Kimball's Justice Team has been in existence, we have designed over 300 justice projects while considering every conceivable security option. We believe that security design must recognize that some technologies are "tried and true" while others considered "state-of-the-art" are not always practical, cost-effective, or easily maintained.

We try to avoid systems that have not been tested over time in similar facilities, those that are proprietary and, therefore, costly to repair and/or maintain. We have ongoing relationships with all of the security vendors nationally and can bring to bear our resources to the State of West Virginia's advantage.

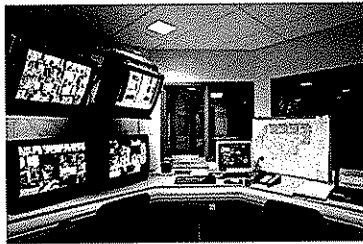
GREEN/SUSTAINABLE DESIGN

Your first reaction to the idea of green design is probably that it is about using expensive, recycled materials or unconventional energy sources such as windmills. Kimball brings you the most experienced and recognized leaders in green technology and building sustainability available today. It is not unconventional or expensive.

This new method of designing is one that applies common sense to building projects in order to save owners money, both up front and over time. It also can dramatically improve user satisfaction and productivity, simply by creating better, healthier spaces. This approach is called "integrated" design because the whole exceeds the sum of its parts, and "green" design, because it benefits the environment. The core concept is simple: most everything in a building project affects everything else, whether you are building from scratch or renovating existing space.

The methodology is called "green technology" and can be defined as the intelligent integration of technology with nature. The principles are not altogether new, but their application involves a new way of thinking about them, particularly when applying them to our built environment. In general, green technology consists of four primary objectives:

- To utilize "appropriate" technology for significantly reducing energy consumption and operational costs.
- To maximize the use of sustainable materials throughout the project that minimize the use of non-renewable resources, not only because of their high recycled content, but also because their fabrication processes minimize waste and energy consumption.
- To minimize negative impacts on interior air quality (IAQ).
- To improve the health, motivation, and productivity of building users through the creation of improved, highly flexible environments.



By pursuing these objectives during building design with an integrated approach, design teams can keep construction cost, or "first cost", at roughly the same level or below that of conventional construction and cut utility bills. This is accomplished by means of "systems integration", a design methodology that constantly examines the tradeoffs between the up-front cost for pursuing these goals and the benefits that the owner can derive from achieving them. The resulting building will cost the same, but utility bills will be cut significantly, often in half or better. When all design decisions are based on similar notions of integrating the building's systems, certain conventional components can be reduced in size or even eliminated altogether. The result can be dramatic in terms of cost savings.

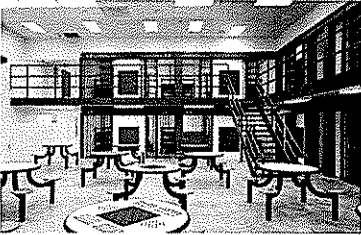
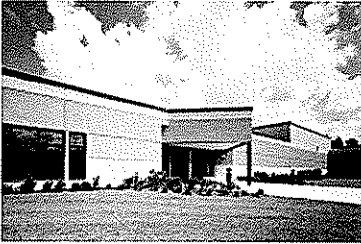
INTERIOR DESIGN

Our designers also ascribe to standards established by the American Correctional Association. Beyond meeting established standards, the designer may influence the overall efficiency of administration and security staff and affect inmate attitude by application of innovative concepts with respect to color schemes.

Unlike other aspects of the sensory environment in jails, color is not addressed in standards or by the courts. Psychological studies have found that inmates respond positively to bright colors and graphics. Colors and graphics can be used to make a correctional facility less institutional, improving morale and relieving stress for inmates as well as staff.

Color can brighten or subdue light, provide sensory stimulation, optically change the dimensional perception of space, and give directional or other information. Color can also be used to code doors, housing units, circulation, etc. In short, it is an aspect of the sensory environment that must be carefully considered and used intelligently.

Interior design will also include the planning of movable fixtures, furnishings, and equipment. Again, all aspects, particularly movable furnishings and equipment, must be carefully selected to avoid their use in breaching security. As with other portions of a correctional facility, their use should be consistent with their intended use in this specific environment.



ACOUSTICAL DESIGN

Noise is defined as unwanted sound and the regulation of noise through acoustical design can create an environment that establishes or regulates noise to levels that are acceptable. Because of the hard, non-absorbent nature of most correctional facilities, noise levels are abnormally high.

The courts have referred to an EPA finding that decibel levels greater than 65-70 are unsafe. Two standards have evolved:

- Daytime standards are based on speech interference noise levels. Seventy (70) decibels or less allow normal conversation between individuals at normal speaker-listener distances.
- Nighttime standards are based on sleep interference levels. Forty-five (45) decibels or less allow normal sleep.

Recommendations for reducing noise levels include:

- Use of Sound-Absorbing Materials Such as Carpet or Acoustical Tile
- Isolating Sound Systems
- Limiting Metal-on-Metal Contact
- Use of Sound-Absorbing Furniture

As with other materials, systems, and finishes, those used for the purpose of controlling noise levels must be carefully selected in a correctional facility so as not to impede the security or safety of staff or inmates.

The mechanical systems of the building are designed with acoustical considerations in mind. This design will minimize the sound transmission from air handling units, pumps, chillers, etc. through ductwork piping into the spaces of the building as well as limit the possibility of verbal or other communication through ductwork.