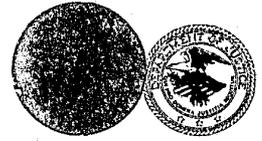


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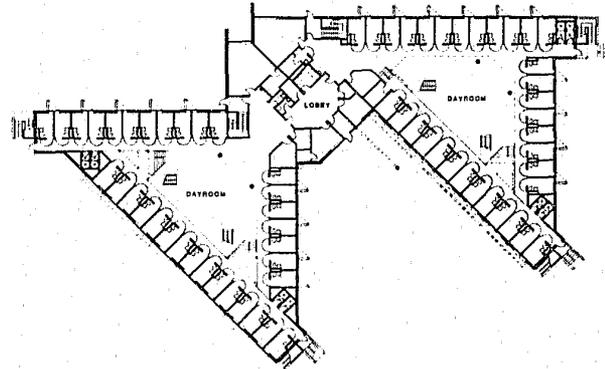
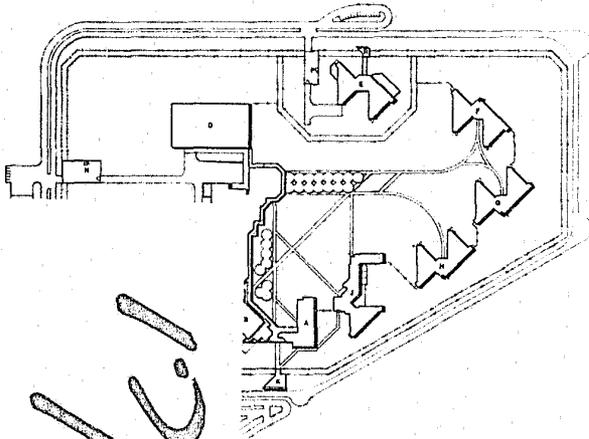


**National Institute  
of Justice**

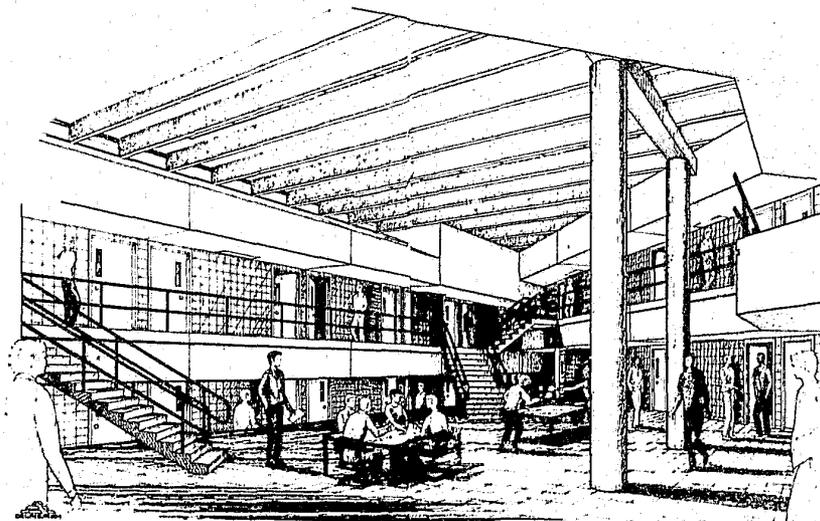
*Construction Directory*

# National Directory of Corrections Construction

**First Edition**



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## **About the National Institute of Justice**

The National Institute of Justice is a research branch of the U.S. Department of Justice. The Institute's mission is to develop knowledge about crime, its causes and control. Priority is given to policy-relevant research that can yield approaches and information that State and local agencies can use in preventing and reducing crime. The decisions made by criminal justice practitioners and policymakers affect millions of citizens, and crime affects almost all our public institutions and the private sector as well. Targeting resources, assuring their effective allocation, and developing new means of cooperation between the public and private sector are some of the emerging issues in law enforcement and criminal justice that research can help illuminate.

Carrying out the mandate assigned by Congress in the Justice Assistance Act of 1984, the National Institute of Justice:

- Sponsors research and development to improve and strengthen the criminal justice system and related civil justice aspects, with a balanced program of basic and applied research.
- Evaluates the effectiveness of justice improvement programs and identifies programs that promise to be successful if continued or repeated.
- Tests and demonstrates new and improved approaches to strengthen the justice system, and recommends actions that can be taken by Federal, State, and local governments and private organizations and individuals to achieve this goal.
- Disseminates information from research, demonstrations, evaluations, and special programs to Federal, State, and local governments, and serves as an international clearinghouse of justice information.
- Trains criminal justice practitioners in research and evaluation findings, and assists practitioners and researchers through fellowships and special seminars.

Authority for administering the Institute and awarding grants, contracts, and cooperative agreements is vested in the NIJ Director. In establishing its research agenda, the Institute is guided by the priorities of the Attorney General and the needs of the criminal justice field. The Institute actively solicits the views of police, courts, and corrections practitioners as well as the private sector to identify the most critical problems and to plan research that can help resolve them.

**James K. Stewart**

*Director*

**National Institute of Justice**  
**James K. Stewart**  
*Director*

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U.S. Department of Justice  
National Institute of Justice  
*Office of Communication and Research Utilization*

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# National Directory of Corrections Construction

by  
**Charles B. DeWitt**  
National Institute of Justice

August 1986

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## Foreword

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Corrections policymakers and administrators face difficult choices today. Should they spend scarce resources on expensive prison and jail construction to accommodate growing jail and prison populations or must they release convicted offenders into the community as a way of easing existing crowded conditions?

Resolving the dilemma ranks high on the criminal justice agenda. When the National Institute of Justice asked criminal justice officials to name the most serious problem facing the entire system, police, courts, and corrections officials were virtually unanimous in recognizing prison and jail crowding as the number one concern.

Now there has been an important advance in helping State and local jurisdictions build the corrections facilities they need to protect their communities. The National Institute of Justice has launched a new corrections construction initiative that shares practical ideas on creative methods to increase corrections capacity so convicted serious criminals are prevented from preying on people, communities, and our economy.

A key element of the initiative is this *National Directory of Corrections Construction*. Based on results of a national survey, the directory is a catalog of designs, construction methods, and costs for jails and prisons built since 1978. This first edition contains the first 102 correctional facilities from the survey. It offers a range of practical options to local and State officials trying to make the most informed decisions on corrections construction.

The information in the directory will be regularly updated and maintained in NIJ's Construction Information Exchange, a computerized data base. The exchange, with even greater detail on construction projects nationwide, will enable State and local officials to get the most current information available, tailored to specific building issues and concerns of a particular jurisdiction.

The National Institute of Justice also is publishing *Corrections Construction Bulletins* on particularly noteworthy projects that have implemented swifter and less costly building techniques. These will highlight successful projects by specific States or localities and describe step by step how they solved their construction problems. Each bulletin lists persons to contact for more detailed information.

Attorney General Edwin Meese III, in announcing the new National Institute of Justice program in February 1986, said the effort will help States and localities address the crowding dilemma through new construction. The corrections construction initiative is an opportunity to share practical information that can help States and localities meet the challenges they face in building or expanding corrections capacity.

James K. Stewart  
Director  
National Institute of Justice

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Special thanks should also be given to all of the architects, facility administrators, and local government officials who contributed information about their projects, thus making this directory possible.

We are also grateful to the architectural firm, Lescher & Mahoney Inc., of Phoenix, Arizona, who provided illustrations of the Federal Correctional Institution in Phoenix for our cover.

Charles B. DeWitt  
Project Director

## **National Criminal Justice Reference Service**

This directory was prepared by Aspen Systems Corporation under contract number OJARS 84-C-001 to the National Criminal Justice Reference Service (NCJRS). The following NCJRS staff provided many hours of support in gathering, editing, and verifying the information in this directory as well as in design and production.

Marita Menaker, Senior Writer-Editor  
Timothy H. Matthews, Corrections  
Information Specialist  
Ann Gardner, Artist

If there are questions about the information gathering or production of this compendium, contact Marita Menaker at 301-251-5517.

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# Section I

## Introduction

For information concerning this directory or to register a facility with the  
Construction Information Exchange

call the

National Institute of Justice  
**Construction Information Exchange**  
**800-851-3420, or**  
**301-251-5500**

or write

Construction Information Exchange  
National Institute of Justice/NCJRS  
Box 6000  
Rockville, MD 20850

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## Introduction

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### **This edition of the directory contains:**

- 102 corrections construction projects
- 104 architectural and construction manager firms
- Facilities from 37 States

### **The total projects involve:**

- 31,860 inmates
  - \$1,184,411,822 in total construction costs
  - \$363,004,637 in annual operating budgets
  - 12,885 employees in correctional facilities
- 

The *National Directory of Corrections Construction* has been developed by the National Institute of Justice to assist State, local, and Federal officials who are planning to build correctional facilities. The directory is the first step in a program launched by Attorney General Edwin Meese III to identify recent construction projects and to promote exchange of information about building jails and prisons more cost effectively and in a timely fashion.

The directory is a reference guide to correctional institutions built between 1978 and June 1986. This edition represents a sample of projects built during the survey period. It includes information on 102 prison and jail construction projects totaling \$1,184,411,822 in construction costs. The projects shown in this first edition have design capacities for a total of 31,860 inmates.

The directory is designed so corrections officials who are planning construction can benefit from the experiences of their colleagues. In this way, jurisdictions can avoid "reinventing the wheel," a problem that has too often characterized the process of building jails and prisons. Through the directory, officials who are about to begin this difficult process can review data gathered about comparable projects and contact colleagues who have important information to share about completed facilities.

The directory also can serve as a research resource. This project has involved an extensive effort to gather quantitative information for comparison of different projects. Never before have so many aspects of correctional facility construction been systematically compiled and reported. Construction costs and building features were carefully examined. This information has been verified by architects and, where possible, the facts have also been verified by the public officials responsible for each facility.

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With this new corrections construction initiative, the National Institute of Justice is responding to priorities identified by corrections agencies. By referring to the directory, officials can learn from facilities where new technologies and efficient construction methods have been employed to save time and money, and receive a response tailored to their individual interests and needs from a new Construction Information Exchange.

### Construction Information Exchange

The heart of the National Institute of Justice program is the Construction Information Exchange, a computerized data base that permits State, local, and Federal officials to share lessons learned from recent jail and prison construction projects. The information in this directory has been drawn from the comprehensive files contained in the Construction Information Exchange. Updates of this directory will be drawn from the expanding data base to ensure availability of the most current information on recently completed jails and prisons. Through the Construction Information Exchange, agencies planning to build, remodel, or expand correctional facilities will be able to contact other jurisdictions that have faced comparable issues and can exchange detailed information about the facilities and current plans. In this way, project management and building technologies can be transferred from agency to agency.

The Construction Information Exchange will serve criminal justice practitioners in several ways. A sheriff, for example, who is planning to build a combined jail and court facility may contact the Construction Information Exchange to obtain a special search of the data base describing facilities of this type. The sheriff will receive a computer printout providing a wealth of detail on projects like the planned facility, and persons to contact for further information on the projects will also be listed. In addition, many of the architects responsible for designing facilities included in the data base have agreed to provide a package of descriptive materials on their projects.

### Construction Bulletins

Another element in the program is a new publication series, the NIJ *Construction Bulletins*. These special reports provide indepth case studies of selected projects, giving State and local officials a closer look at noteworthy facilities drawn from this directory. The *Construction Bulletins* explain in more detail selected projects for which officials have reported substantial time and cost savings in constructing correctional facilities. They report on progressive techniques of project management and new methods of construction. Each bulletin gives concise details on individual projects that demonstrate particularly helpful approaches. Bulletins can be obtained by contacting the Construction Information Exchange.

Those jurisdictions whose projects have been published in the *Construction Bulletins* have agreed to provide information on the design and building of their facilities and to host site visits of their facilities by officials currently involved in new construction projects.

### Cooperation of American Institute of Architects

The *National Directory of Corrections Construction* has been developed by the National Institute of Justice in cooperation with the American Institute of Architects (AIA), and may be used as a reference guide to architects specializing in correctional institutions. Further information is available from the AIA's Committee on Architecture for Justice, including a yearly catalog of criminal justice projects. Readers are encouraged to contact their local chapter of the AIA or the following committee of the AIA:

Committee on Architecture for Justice  
American Institute of Architects  
1735 New York Avenue NW  
Washington, DC 20006  
202-626-7366

### Future editions of this directory

The National Institute of Justice intends to make the Construction Information Exchange as comprehensive as possible and to expand future editions of the directory to include a greater number of facilities than those in this first edition. Any architect who has designed a corrections facility construction project since 1978 is invited to contact the Construction Information Exchange (see page 2) for a survey form with which to enter that facility in the exchange. Likewise, administrators of facilities constructed since 1978 but not listed in this directory may request the Construction Information Exchange to mail a survey form to the architect of their facility.

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Note: While every effort has been made to present accurate data in this directory and to verify all entries, some inaccuracies may occur. If you wish to change or to add to any facility profile in this directory, contact the Construction Information Exchange (see page 2).

## Section II

How to use this directory

Terms used in this  
directory

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## How to use this directory

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### Order of facility profiles

Facility profile pages are presented alphabetically by the State in which they are located, and within each State they appear alphabetically by facility name.

### Reference indexes

Indexes serve as locators for particular facilities. Each construction project in the directory is classified by facility type, location, and inmate design capacity. An alphabetical listing by facility name is also provided. Readers considering construction should first look for facilities of comparable size, type, and category of construction (whether new or an addition, for instance) to see how these projects compare to their needs. It also may be helpful to examine facilities in the same State or region of the country. This will reveal which designs and construction methods have been used in the reader's geographical area and also may help to determine if visits to completed facilities would be helpful. A list of architectural firms and construction managers responsible for facilities in this directory is provided in Appendix A.

### Facility profiles

Profiles are included for jail and prison construction projects completed since 1978. Each profile page represents individual questionnaires completed by the architect responsible for that construction project, the facility administrator, and a local government official. Profiles contain more than 70 items of information, including important persons to contact for additional information on each facility. For a review of operating costs, current populations, and other operational details, readers should call or write the facility contact person.

The first edition of the *National Directory of Corrections Construction* contains profiles for those construction projects for which sufficient data had been gathered by the time of publication. As more completed survey responses are received by the National Institute of Justice, the number of project profiles listed in the Construction Information Exchange will increase and subsequent editions of the directory will include a greater number of construction projects.

**Floorplans.** On the back of each facility profile, a floorplan of a typical housing unit has been provided whenever possible. The floorplans were provided by the architects. They can provide the reader with a clearer understanding of the design of the facility. In a few cases, floorplans were not available when the directory was going to press. If possible, they will be included in the update of the directory.

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## Comparisons

**Category of construction.** Comparisons between construction projects can be both interesting and useful, but should be done cautiously. Comparisons of different jails or prisons may be inappropriate when the facilities to be examined do not share common characteristics. For example, a jail or prison categorized as a "new, ancillary building" may not have complete support spaces such as kitchen or administration. If such a building were compared to a "new, independent facility" with complete support services, the appearance of a reduced cost might be misleading. For this reason, facilities are most appropriately compared when they are in the same construction category.

**Costs.** Cost comparisons can be especially difficult. To facilitate comparison of construction costs alone, costs of land acquisition and architect's fee are not included in the total cost of a project. However, several factors can influence costs, and comparisons should be made with caution. For example, readers will find that jails and prisons with multiple occupancy cells are invariably less expensive (per inmate) than facilities designed with single inmate occupancy cells. While such contrasts may be very informative, this does not mean that the facilities are truly comparable. Another important example is that the building cost of high-rise facilities is almost always higher than low-rise buildings even when capacities are the same.

**Dimensions.** In making comparisons, readers are strongly encouraged to examine "gross square feet per inmate." This statistic has been computed by dividing the "gross square feet/corrections" by the inmate design capacity. A review of this statistic reveals that some buildings may provide much more space per inmate than otherwise comparable projects. It simply may be the policy of a particular jurisdiction to provide more space for vocational training, counseling, and other support activities. An example of a common difference is where one institution has dayrooms contiguous to cells and another facility has only corridors.

**Housing areas.** To facilitate comparisons of different types of correctional facilities, this directory includes a special series of housing statistics. For readers interested primarily in those portions of a construction project that relate to the custody and housing of prisoners, it is important to note terms like: (a) "housing area cost"; (b) "housing cost per inmate"; (c) "housing cost per cell"; (d) "housing area square feet"; and (e) "size of cells." These statistics allow comparisons that might otherwise be impossible.

Ordinarily, a jail cannot be compared to a prison because of the substantial square footage that prisons may allocate for the support functions associated with long-term custody. Since jails seldom provide extensive support areas (e.g., educational, vocational, counseling, or inmate industries) even a prison with the same number of inmates as a jail will almost always be a substantially

larger facility. For this reason, the housing statistics focus on only those portions of the jail or prison that relate to the housing of inmates, and exclude those areas that ordinarily make it inappropriate to draw comparisons. In the case of a campus-style prison, the term "housing" describes only the buildings that actually house inmates. This permits readers to examine those portions of a prison that are comparable to a jail.

**Cost indexes.** Cost indexes will be made available through the Construction Information Exchange to those readers who wish to make detailed cost comparisons. They have been prepared to permit comparisons between different years and geographic areas. As construction costs will vary from one part of the United States to another, the regional adjustment will permit valid comparisons. In this way, construction projects may be compared under the same market conditions. Different regions of the country may exhibit sharp contrasts in the cost of materials and prevailing labor rates. For example, a facility built in Florida will almost always cost less than the same project built in California. By providing for regional adjustments, cost comparisons may be made within a common frame of reference. Cost indexes can be useful when comparing projects built during different years. Since the cost of construction has increased over the years, jail or prison costs in this directory should be adjusted to the same period, if they are to be accurately compared.

Contact the Construction Information Exchange (see page 2) for a copy of the cost indexes.

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## Terms used in this directory

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The order of these terms follows the order in which they appear in the facility profiles.

### **Groundbreaking**

This is the date when work actually began at the site. As a general rule for new buildings, the first activities are groundclearing and excavation.

### **Finish date**

This is the date of substantial completion of the facility. Substantial completion is defined by the American Institute of Architects as the date certified by the architect when the work is sufficiently complete, in accordance with the contract documents, so officials can occupy the facility for the use for which it is intended.

### **Construction time**

Reflects elapsed months from groundbreaking to substantial completion of the facility.

### **Category of construction**

Several types of projects are included in this directory and each has different characteristics.

**New, independent facility:** an entirely new facility with complete support services, not relying upon other facilities.

**New, ancillary building:** an entirely new building, but reliant upon already existing buildings for some or all support services. The new facility does not provide a complete array of "core" spaces. Data refer to the new addition only and do not include existing or original building information.

**Remodeling/renovation project:** improvements within the shell of an existing facility, typically to modernize an older jail or prison and to bring the design into compliance with current standards.

**Expansion project:** extension or new wing added to an already existing facility. Data refer to the expansion only and do not include existing or original building information.

**Phased project (future):** when costs invested in construction relate to future expansion/addition in a master plan.

**Phased project (past):** completion of previously "master planned" space(s) "shelled out" at an earlier date.

**Temporary facility/housing:** relocatable or portable units not intended for permanent use. Facility may be disassembled and moved to another location.

### Facility type

**Jail:** facility operated by a county, city, or combination thereof. Jails operated by these units of local government typically house inmates for 1 year or less, although some States permit consecutive sentences. Jails may house both pretrial defendants and sentenced prisoners. Inmates may be held on both felony and misdemeanor charges. It should also be noted that several States permit inmates from State prison systems to be housed in local jail facilities. The State of Alaska has no counties; therefore all inmates are housed in State facilities.

**Prison:** facility operated by any of 50 States, the District of Columbia, or the Federal Government. Prisoners in State institutions are held for periods longer than 1 year. Unlike local jails, State prisons house only sentenced defendants, convicted of felony charges. Some States will permit units of local government to board jail prisoners in State facilities, but this practice is most unusual.

**Complex:** buildings with multiple purposes. Typically, in a local facility, jail space may be combined with courts, law enforcement, or other related uses. Cost comparisons are discouraged for this type of facility, as it is impossible to isolate corrections costs from the costs for other portions of the building.

### Building configuration (See Figure 1.)

This describes the physical arrangement of individual buildings.

**Integrated structure:** one building.

**High rise:** one building, more than four stories in height.

**Ladder, telephone pole:** linear cell blocks arranged in parallel off a central connecting corridor.

**Wheel, spoke, or radial:** linear cell blocks that emanate from one central control area like spokes from the hub of a wheel.

**Courtyard:** linear cell blocks interconnected around a central enclosed courtyard.

**Clusters:** a number of individual buildings that are interconnected.

**Campus style:** a number of individual buildings that are not interconnected.

### Costs

**Total:** the total cost of building and site improvements, plus all approved change orders. However, this figure

does not include the cost of acquiring the land/site, the time of public employees, and administrative expenses for the project. Since it is intended to show the cost of construction, it does not include fees for architects and other consultants.

**Building only:** the cost for the facility only, as it excludes all site work. Costs such as grading, paving, and providing utilities are not included here. This figure represents what it would cost to build the same facility at another site, provided that site costs for the new location are added and impact of the site on the design has been considered.

**Housing area:** the cost for those areas of the correctional facility designed for housing inmates. This includes the total gross square footage of the entire housing building unit or level, as well as the contiguous and/or associated spaces for mechanical, circulation, storage, visiting, control, counseling, multipurpose rooms, dayrooms, exercise, interview, etc. Excluded from this figure are costs of independent or unrelated areas and buildings such as intake, medical, special housing, administration, food service, vocational, educational, agricultural, etc.

**Housing per inmate:** the housing area cost, divided by the design capacity (number of general population inmates).

**Housing per cell:** the housing area cost, divided by the design capacity (number of general population cells).

**Total per inmate:** the total cost, divided by the design capacity (total of general population and special housing inmates). In the case of a combined use complex, "N/A (complex)" appears, as it would not be appropriate to compute an inmate cost when the facility has other than correctional uses.

**Total per GSF:** the total cost, divided by gross square feet.

**Total annual operating costs:** the latest fiscal year budget for the facility. Costs shown are those that relate to the construction project. In the case of an addition, this figure represents the operating costs for that portion of the facility only. Where "N/A (addition)" appears, the operating costs for the addition to the facility are not available separately. For facilities that have been in operation less than 1 year, total annual operating costs may be unknown.

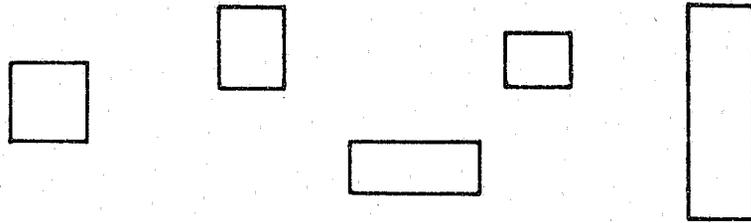
### Security

**Perimeter:** the types of perimeter used in a facility, including building exterior only; single fence; double fence; triple fence; alarm/detection systems; razor wire on fence(s); razor wire on and between fences; towers; and patrols.

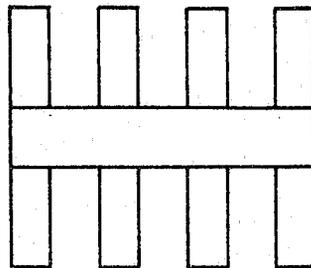
**Inmate security level:** defines how the facility is divided according to levels of security for housing

**Figure 1**  
**Building configuration**

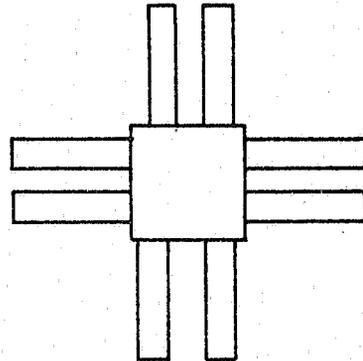
**Campus**



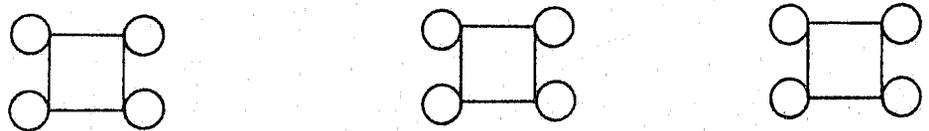
**Ladder, telephone pole**



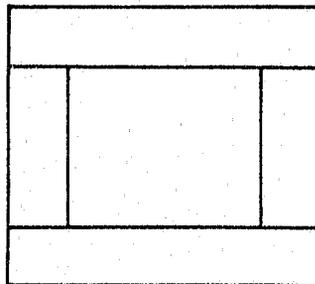
**Wheel, spoke, or radial**



**Clusters**



**Courtyard**



inmates. Categories include: maximum (most secure construction and highest level of staff supervision in system); medium (although not as restricted as maximum, this category requires a locked unit and a security perimeter); and minimum (greatest freedom of movement for inmates, may have dormitories, living areas may not be locked, and perimeter security is limited). It is important to note that this represents how a State or locality describes security levels within that jurisdiction, and it is possible that other jurisdictions may use different categories to describe very similar facilities.

### **Inmate cells**

This describes the finishes, fixtures, and furnishings that were selected for general population cells. These aspects of special custody, isolation, medical, and other special population areas of a jail or prison may be different.

**Doors/material:** may be steel or wood, and may be solid (without bars or windows).

**Doors/type:** may be swinging or sliding.

**Doors/locking:** may be motor driven and remote locking; remote locking only; or manual locking.

**Floor surface:** materials of the floor surface. Options include linoleum; carpet; epoxy coating; sealed concrete; or vinyl tile.

**Intercom:** the type of communications system between officers and inmates.

**HVAC:** heating, ventilation, and air conditioning describes the environmental systems included in the facility. While all facilities have some form of heating, not every jail or prison has an air conditioning system. Solar systems or other specialized energy recycling systems are indicated here.

**Plumbing:** inmate plumbing fixtures. Indicates whether the lavatory and toilet are a combination unit or separate units, and are made of stainless steel, china, or aluminum.

**Furniture:** chairs, beds, tables, and other furniture in cells and dayrooms. Choices include steel; wood; vinyl/plastic; or concrete.

**Fire protection:** fire protection systems used in inmate housing areas. Hardware may include smoke detectors for cells, common areas, or both; sprinklers for cells, common areas, or both; or manual alarm stations.

### **Dimensions**

**Gross square feet/corrections:** the gross square feet (as defined under "Gross square feet/total" below) of all spaces relating to corrections purposes in the construction project shown in the profile. In the case of an

addition or expansion, this figure represents the square footage of that addition or expansion only.

**Gross square feet/other:** all noncorrections areas in facilities designed as combined use complexes (courts, law enforcement, etc.).

**Gross square feet/total:** the total square footage of the construction project. If the project was an addition or expansion, this figure represents the square footage of that addition or expansion only. Gross square feet is defined by the American Institute of Architects as the sum of the areas of the several floors of the building, including basements, mezzanine, and intermediate floored tiers and penthouses of headroom height, measured from the exterior faces of exterior walls or from the centerline of walls separating buildings. Covered walkways, open roofed-over areas that are paved, porches, and similar spaces shall have the architectural area multiplied by an area factor of 0.50. The architectural area does not include such features as pipe trenches, exterior terraces or steps, chimneys, roof overhangs, etc. (see AIA Document D101).

**Housing area square feet:** the size of spaces devoted to the custody of inmates, not the entire facility. Included are those spaces directly related to the housing of inmates. The figure includes total gross square footage of the housing building, unit, or level, including the contiguous and/or associated spaces for mechanical, circulation, storage, visiting, control, staff areas, multipurpose rooms, dayrooms, exercise, interview, etc. Excluded are independent areas not contiguous to inmate housing, such as intake, medical, special housing, administration, food service, vocational, educational, and other support activities not directly associated with housing. In construction projects that are additions or expansions, it is possible that only housing areas were added. In such instances, the square footage shown for housing may be almost equal to the total square footage, since support spaces were not provided.

**Gross square feet per inmate:** the amount of space per prisoner. This figure is very important in comparisons between facilities. It represents gross square feet for corrections (defined above), divided by the design capacity. However, if the current population is greater than the design capacity, the gross square feet per inmate will be fewer.

**Size of cells:** space inside a typical cell. This figure is the useful space and does not include areas consumed by a plumbing chase or protruding walls. The type of cell (single, double, etc.) is indicated.

**Net/gross square feet:** this percentage is an expression of building efficiency. Because spaces not used by staff and/or inmates are excluded from net space, this percentage represents how much of the total square footage is actually devoted to everyday useful purposes. The remaining space is the amount consumed by spaces

necessary for the building but not utilized by its occupants. If we were unable to find out the net square footage of a facility, "Unknown" appears here.

### Construction type

**Structural:** the frame that carries the building's weight and provides structural support for the facility. This describes the type of structural system, such as steel frame, load-bearing concrete block, or precast columns.

**Exterior walls:** the construction and materials that comprise outside walls of the building, forming the security "shell" or "envelope."

**Interior walls:** the construction materials that comprise inside walls or partitions used to divide cells and rooms within the building.

**Exterior surface/facade:** the final exterior finish, resulting in the completed outside appearance. Sometimes called the building's "skin," examples include stucco, brick, tile, and textured concrete surfaces.

### Inmate design capacity

**Single occupancy:** number of inmates for whom single cells were designed. In some facilities, bunks have been permanently attached to the walls in single cells thereby converting them to double cell use. However, because they were originally designed for single occupancy, these cells are counted as single occupancy in this directory. (Extra bunks are shown as "Means to handle crowding," defined below.)

**Double occupancy:** number of inmates for whom double cells were designed.

**Dorms:** number of inmates for whom dormitories were designed.

**Special housing:** number of inmates for whom medical, psychiatric, isolation, holding, and other special cells were designed.

**General population:** total number of inmates for whom cells other than special housing were designed.

**Total:** total number of general population and special housing inmates for whom the facility was designed. (This number may differ from the current population shown for October 1985.)

### Current staff

Facility administrators have reported the number of full-time staff assigned to the facility. In the case of an addition or expansion, only staff provided for that addition or expansion are listed, and when those figures were not available, the profile indicates "N/A (addition)." To ensure comparable responses, the survey included definitions for each staffing category.

**Administration:** chief executives including wardens, superintendents, directors, administrators, colonels, captains, majors, lieutenants, and their assistants. Also includes all supervisory personnel above the level of first line supervisor; administrative and budget staff; clerical support; secretaries; typists; stenographers; bookkeepers; clerks; and switchboard operators.

**Security:** all line staff and first line supervisors, both sworn and nonsworn, correctional officers, deputies, guards, sergeants, and security supervisors.

**Programs/treatment:** medical, dental, psychiatric, counseling, and therapy personnel, and technicians.

**Maintenance:** engineers, electricians, plumbers, janitors, and repair and grounds personnel. Also includes kitchen/culinary and food preparation workers, cooks, and dishwashers.

**Total:** total number of full-time staff members assigned to the facility.

**Current inmate/staff ratio:** the number of inmates for each member of the total staff listed. The number of inmates used in this calculation is the number listed in the October 1985 population, not the inmate design capacity.

### Inmate housing areas

**Design:** the options for layout or arrangement of the inmate cells. Options include linear-exterior cells, where cells have windows on outside walls, permitting direct light into cells; linear-interior cells, where cells are not on outside walls and light to cells is indirect; and module/pod, where cells are arranged around a common dayroom with cell doors opening into this activity area. (See Figure 2.)

**Cells per unit:** the number of cells in each block, pod, or module—the number of cells included in one housing unit of the facility.

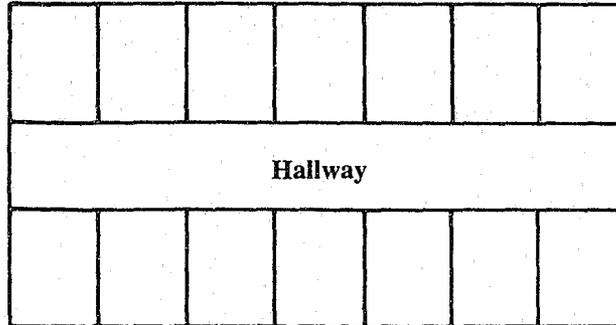
**Inmates per unit:** the number of prisoners (design capacity) in each block, pod, or module under the supervision of staff.

**Management type:** both architecture and policy by which staff manage the inmate population. Options include intermittent surveillance, where officers may walk periodically down hallways lined with cells and do not have constant view of all inmate areas; remote surveillance, where officers have inmates under constant observation but are separated from prisoners by a security enclosure or barrier; or direct supervision, where officers are in constant contact with inmates and not enclosed in a workstation or separated by other barriers.

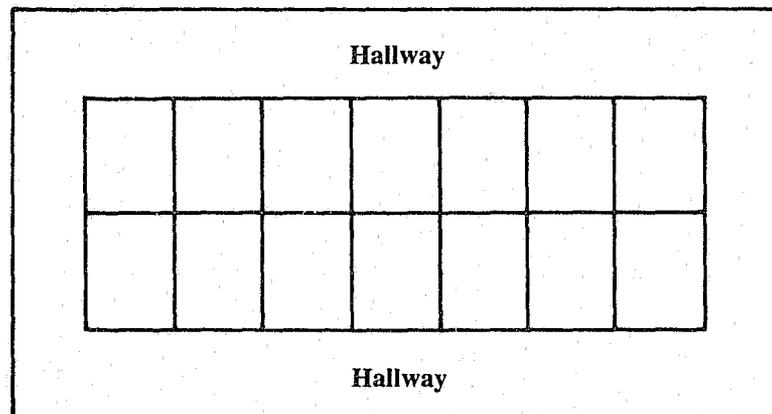
**October 1985 population:** the date set in the survey for which facility administrators reported their current

Figure 2  
Design of inmate housing areas

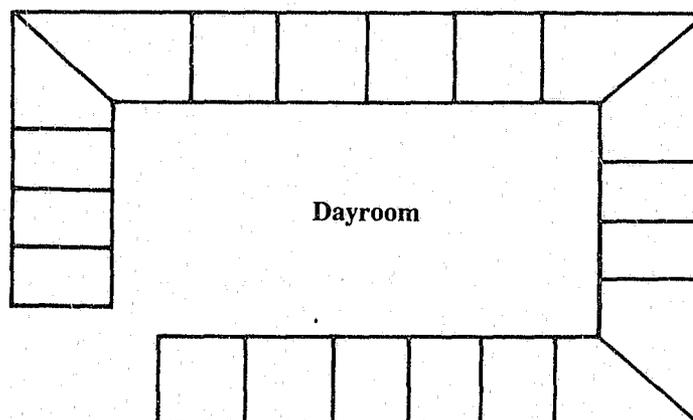
Linear, cells are on outside walls.



Linear, cells are interior.



Module/pod type, cells are on outside walls.



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population—a standard date was set to permit comparisons to be made. In some cases “N/A” appears here—these facilities were most likely under construction at that time but have since been completed.

**Facility commitment:** the type of inmate housed in the facility. Several States permit inmates from State prison systems to be housed in local jail facilities, and while some States will permit units of local government to board jail prisoners in State facilities, the practice is most unusual.

**Means to handle crowding:** the means by which the facility handles, or plans to handle, crowding of its facility. Options include bunk beds in cell; mattresses on floor; beds in dayroom; and second bunk permanently attached to wall. Some facilities do not permit crowding.

### **Construction process**

**Finance method:** the method of payment for the construction project and the source of funds. Options include General Obligation Bonds (G.O. Bonds); Lease Revenue Bonds; revenue sharing; other Federal funds; special election; floating or variable rate; Certificates of Participation; local funds; State funds; shared cost from multiple jurisdictions; and facility leased from private entity.

**Contract method:** the legal and financial steps used in the building process. Options include conventional design and bid; construction management (CM) fast track; and turnkey design and bid.

**Use of inmate labor:** participation by prisoners in any aspect of the construction process and the specific activities in which they may have been engaged. This also reflects whether the use of inmate labor was limited, moderate, or extensive.

**Use of prefabrication:** techniques that may have been used to manufacture portions of the facility away from the construction site. If plant manufacturing was utilized, the nature of the components is described here, as is whether use was limited, moderate, or extensive.

### **Architect's reported analyses**

Architects have reported the factors which, in their opinion, strongly influenced both costs and length of time that were required for completion of the facility. Architects have reported the positive and negative points for each project in separate categories for cost issues and time factors. Examples of positive cost factors might be favorable market conditions or repetitiveness of design. Under time issues, positive factors could include advanced order of materials and hardware or use of prefabricated components. Negative cost and time factors include such issues as difficult site conditions or labor problems.

### Section III

Index by State/city/county

Index by inmate design  
capacity

Index by category of  
construction

Index by facility name

State	City/County	Facility type	Facility name	Page
AK	Anchorage	State detention facility	Cook Inlet Pre-Trial Facility	37
AL	Bessemer	State prison	West Jefferson Correctional Facility	35
AL	Jefferson County	County jail	Jefferson County Jail	33
AL	Talladega	Federal prison	Federal Correctional Institution	31
AR	Grady	State prison	Cummins Unit—Medium Security	53
AR	Tucker	State prison	Maximum Security Facility, Tucker Unit	55
AZ	Cochise County	County jail	Cochise County Jail	43
AZ	Florence	State prison	Arizona State Prison—Florence	39
AZ	Goodyear	State prison	Arizona State Prison—Perryville	41
AZ	Phoenix	Federal prison	Federal Correctional Institution	45
AZ	Pima County	County jail	Pima County Main Jail	49
AZ	Pima County	County jail	Pima County Main Jail (Addition)	51
AZ	Tucson	Federal prison	Metropolitan Correctional Center	47
CA	Alameda County	County jail	Alameda County Detention Center	57
CA	Contra Costa County	County complex	Contra Costa County Detention Facility	59
CA	County of Ventura	County complex	Pre-Trial Detention Facility	67
CA	Nevada County	County restitution center	Nevada County Restitution Center	63
CA	Orange County	County jail	Lacy Security Facility	61
CA	Plumas County	County jail	Plumas County Sheriff's Department & Detention Facility	65
CA	Santa Cruz County	County jail	Santa Cruz County Jail (Phase I)	69
CA	Shasta County	County complex	Shasta County Justice Center	71
CA	Stanislaus County	County jail	Stanislaus County Jail	75
CA	Tehachapi	State prison	Southern Maximum Security Complex	73
CA	Tuolumne County	County jail	Tuolumne County Detention Facility	77
CA	Yuba County	County jail	Yuba County Jail	79
CO	Adams County	County jail	Adams County Detention Center	81
CO	Delta County	County complex	Delta County Criminal Justice Facility	83
CO	Eagle County	County jail	Eagle County Jail	85
CO	Garfield County	County jail	Garfield County Jail	87
CO	Pitkin County	County jail	Pitkin County Jail	89
DE	Smyrna	State prison	Delaware Correctional Center (Maximum Security)	91
FL	Alachua County	County jail	Alachua County Corrections Facility	93
FL	Marion County	County jail	Marion County Detention Center	97
FL	Pinellas County	County jail	Pinellas County Jail—Medium Security Facility	99
FL	Raiford	State prison	Union Correctional Institution	101
FL	Tallahassee	Federal prison	Federal Correctional Institution	95
GA	Dooly County	County jail	Dooly County Jail	103
GA	Richmond County	County complex	Richmond County Law Enforcement and Justice Center	105
IA	Des Moines/Polk County	City/county complex	Polk County Jail	117
IL	Danville	State prison	Danville Correctional Center	107
IL	DuPage County	County complex	DuPage County Jail and Sheriff's Department	109
IL	Rock Island County	County complex	Rock Island County Jail	111
IL	Vienna	State prison	Shawnee Correctional Center	113
IN	Marion County	County complex	Marion County Jail	115
KS	Johnson County	Juvenile detention facility	Johnson County Juvenile Hall	119
KS	Lansing	State prison	Kansas State Penitentiary (Phase One)	121
KY	Knox County	County jail	Knox County Jail	123
LA	Jackson	State complex	Feliciana Forensic Facility	127
LA	Oakdale	Federal complex	Federal Detention Center	125
MD	Baltimore	City jail	Baltimore City Jail	133
MD	Baltimore	State prison	Baltimore City Correctional Center	131

State	City/County	Facility type	Facility name	Page
MD	Washington County	County jail	Washington County Detention Center	135
ME	Franklin County	County complex	Franklin County Detention/Law Enforcement Facility	129
MI	Jackson	State prison hospital	State Prison of Southern Michigan	137
MN	St. Peter	State prison	Minnesota Supervised Living Facility	139
MO	Clay County	County jail	Clay County Detention Center	145
MO	Jackson County	County complex	Jackson County Detention Center	147
MO	Pacific	State prison	Missouri Eastern Correctional Center	149
MS	Jackson County	County jail	Jackson County Adult Detention Center	141
MS	Parchman	State prison	Mississippi State Penitentiary—Unit 29	143
MT	Gallatin County	County jail	Gallatin County Detention Center	151
MT	Lewis and Clark County	County complex	Lewis and Clark County Criminal Justice Facility	153
NC	Craven County	County complex	Craven County Law Enforcement Center	183
NC	Maury	State prison	Eastern Correctional Center	185
NC	Raleigh	State prison	North Carolina Central Prison	187
NC	Troy	State prison	Southern Correctional Center	189
NE	Douglas County	County jail	Douglas County Correctional Center	155
NJ	Warren County	County jail	Warren County Correctional Center	159
NM	Albuquerque	State detention facility	Youth Diagnostic and Development Center	171
NM	Bernalillo County	County jail	Bernalillo County Detention Center	161
NM	Grants	State prison	Western New Mexico Correctional Facility	169
NM	Las Cruces	State prison	Southern New Mexico Correctional Facility	167
NM	Los Lunas	State prison	Central New Mexico Correctional Facility	163
NM	Santa Fe	State prison	Penitentiary of New Mexico	165
NV	Clark County	County jail	Clark County Detention Facility	157
NY	Buffalo	State secure center for youth	Masten Park Secure Center	181
NY	Erie County	County jail	Erie County Correctional Facility	173
NY	New York	State forensic treatment center	Kirby Forensic Psychiatric Center	179
NY	Otisville	Federal prison	Federal Correctional Institution	175
NY	Ray Brook	Federal prison	Federal Correctional Institution	177
OH	Ashtabula County	County complex	Ashtabula County Justice Center	191
OH	Hamilton County	County complex	Hamilton County Justice Complex	193
OH	Ottawa County	County complex	Ottawa County Detention Facility	195
OH	Wooster/Wayne County	City/county complex	Wayne County Justice Center	197
OK	Hodgen	State prison	Quachita Correctional Center	205
OK	Lexington	State prison	Lexington Assessment & Reception Center	199
OK	McAlester	State prison	Oklahoma State Penitentiary	203
OK	Oklahoma City	State prison	Mabel Bassett Correctional Center	201
OR	Multnomah County	County complex	Justice Center	207
PA	Blair County	County jail	Blair County Prison	209
PA	Lycoming County	County jail	Lycoming County Prison	211
PA	Warren County	County jail	Warren County Jail	213
PA	Wyoming County	County jail	Wyoming County Jail	215
SC	Clemson	City complex	Clemson Police Department	217
TX	Bastrop	Federal prison	Federal Correctional Institution	221
TX	Fayette County	County complex	Fayette County Detention Center	219
TX	Hunt County	County complex	Hunt County Criminal Justice Center	223
TX	Smith County	County jail	Smith County Jail	225
VA	Roanoke	City complex	Roanoke City Jail	229
VT	St. Johnsbury County	County jail/State prison	St. Johnsbury Community Correctional Center	227
WA	Monroe	State prison	Twin Rivers Corrections Center	231
WA	Whitman County	County complex	Whitman County Correctional Facility	233

<b>Inmates</b>	<b>Facility name</b>	<b>City/County</b>	<b>State</b>	<b>Facility type</b>	<b>Page</b>
11	Dooly County Jail	Dooly County	GA	County jail	103
13	Clemson Police Department	Clemson	SC	City complex	217
16	Garfield County Jail	Garfield County	CO	County jail	87
20	Eagle County Jail	Eagle County	CO	County jail	85
21	Tuolumne County Detention Facility	Tuolumne County	CA	County jail	77
24	Franklin County Detention/Law Enforcement Facility	Franklin County	ME	County complex	129
25	Pitkin County Jail	Pitkin County	CO	County complex	89
34	Johnson County Juvenile Hall	Johnson County	KS	Juvenile detention facility	119
35	Plumas County Sheriff's Department & Detention Facility	Plumas County	CA	County jail	65
37	Knox County Jail	Knox County	KY	County jail	123
38	Whitman County Correctional Facility	Whitman County	WA	County complex	233
40	Stanislaus County Jail	Stanislaus County	CA	County complex	75
41	Ottawa County Detention Facility	Ottawa County	OH	County complex	195
43	Gallatin County Detention Center	Gallatin County	MT	County jail	151
47	Delta County Criminal Justice Facility	Delta County	CO	County complex	83
48	Lewis and Clark County Criminal Justice Facility	Lewis and Clark County	MT	County complex	153
48	Nevada County Restitution Center	Nevada County	CA	County restitution center	63
50	Baltimore City Jail	Baltimore	MD	City jail	133
50	Warren County Jail	Warren County	PA	County jail	213
50	Wyoming County Jail	Wyoming County	PA	County jail	215
53	Mabel Bassett Correctional Center	Oklahoma City	OK	State prison	201
61	Fayette County Detention Center	Fayette County	TX	County complex	219
64	Delaware Correctional Center (Maximum Security)	Smyrna	DE	State prison	91
68	Masten Park Secure Center	Buffalo	NY	State secure center for youth	181
74	Ashtabula County Justice Center	Ashtabula County	OH	County complex	191
75	Feliciana Forensic Facility	Jackson	LA	State complex	127
76	Warren County Correctional Center	Warren County	NJ	County jail	159
78	Craven County Law Enforcement Center	Craven County	NC	County complex	183
78	Wayne County Justice Center	Wooster/Wayne County	OH	City/county complex	197
90	Lexington Assessment & Reception Center	Lexington	OK	State prison	199
90	Quachita Correctional Center	Hodgen	OK	State prison	205
94	State Prison of Southern Michigan	Jackson	MI	State prison hospital	137
96	Santa Cruz County Jail (Phase I)	Santa Cruz County	CA	County jail	69
96	St. Johnsbury Community Correctional Center	St. Johnsbury County	VT	County jail/State prison	227
98	Federal Correctional Institution	Tallahassee	FL	Federal prison	95
99	Jackson County Adult Detention Center	Jackson County	MS	County jail	141
100	Youth Diagnostic and Development Center	Albuquerque	NM	State youth detention facility	171
109	Hunt County Criminal Justice Center	Hunt County	TX	County complex	223
134	Yuba County Jail	Yuba County	CA	County jail	79
141	Blair County Prison	Blair County	PA	County jail	209
150	Lycoming County Prison	Lycoming County	PA	County jail	211
152	Washington County Detention Center	Washington County	MD	County jail	135
161	Clay County Detention Center	Clay County	MO	County jail	145
162	Cochise County Jail	Cochise County	AZ	County jail	43
164	Minnesota Supervised Living Facility	St. Peter	MN	State prison	139
180	Lacy Security Facility	Orange County	CA	County jail	61
184	Cummins Unit—Medium Security	Grady	AR	State prison	53
190	Metropolitan Correctional Center	Tucson	AZ	Federal prison	47
194	Pinellas County Jail—Medium Security Facility	Pinellas County	FL	County jail	99
200	Rock Island County Jail	Rock Island County	IL	County complex	111
201	Roanoke City Jail	Roanoke	VA	City complex	229
204	Douglas County Correctional Center	Douglas County	NE	County jail	155

Inmates	Facility name	City/County	State	Facility type	Page
210	Polk County Jail	Des Moines/Polk County	IA	City/county complex	117
228	Cook Inlet Pre-Trial Facility	Anchorage	AK	State detention facility	37
240	Richmond County Law Enforcement and Justice Center	Richmond County	GA	County complex	105
250	Shasta County Justice Center	Shasta County	CA	County complex	71
258	Western New Mexico Correctional Facility	Grants	NM	State prison	169
264	Smith County Jail	Smith County	TX	County jail	225
282	Pima County Main Jail (Addition)	Pima County	AZ	County jail	51
288	Kansas State Penitentiary (Phase One)	Lansing	KS	State prison	121
292	Alachua County Corrections Facility	Alachua County	FL	County jail	93
300	Bernalillo County Detention Center	Bernalillo County	NM	County jail	161
324	Federal Correctional Institution	Talladega	AL	Federal prison	31
336	Union Correctional Institution	Raiford	FL	State prison	101
337	Marion County Jail	Marion County	IN	County complex	115
354	DuPage County Jail and Sheriff's Department	DuPage County	IL	County complex	109
356	Kirby Forensic Psychiatric Center	New York	NY	State forensic treatment center	179
384	Baltimore City Correctional Center	Baltimore	MD	State prison	131
386	Contra Costa County Detention Facility	Contra Costa County	CA	County complex	59
390	Marion County Detention Center	Marion County	FL	County jail	97
402	Erie County Correctional Facility	Erie County	NY	County jail	173
430	Justice Center	Multnomah County	OR	County complex	207
434	Pre-Trial Detention Facility	County of Ventura	CA	County complex	67
480	Southern New Mexico Correctional Facility	Las Cruces	NM	State prison	167
485	Adams County Detention Center	Adams County	CO	County jail	81
486	Central New Mexico Correctional Facility	Los Lunas	NM	State prison	163
488	Eastern Correctional Center	Maurry	NC	State prison	185
488	Southern Correctional Center	Troy	NC	State prison	189
492	Maximum Security Facility, Tucker Unit	Tucker	AR	State prison	55
499	Pima County Main Jail	Pima County	AZ	County jail	49
500	Federal Correctional Institution	Otisville	NY	Federal prison	175
500	Oklahoma State Penitentiary	McAlester	OK	State prison	203
501	Federal Correctional Institution	Bastrop	TX	Federal prison	221
520	Jackson County Detention Center	Jackson County	MO	County complex	147
534	Federal Correctional Institution	Ray Brook	NY	Federal prison	177
540	Arizona State Prison—Florence	Florence	AZ	State prison	39
545	Twin Rivers Corrections Center	Monroe	WA	State prison	231
560	Missouri Eastern Correctional Center	Pacific	MO	State prison	149
575	Federal Correctional Institution	Phoenix	AZ	Federal prison	45
576	Penitentiary of New Mexico	Santa Fe	NM	State prison	165
588	North Carolina Central Prison	Raleigh	NC	State prison	187
596	Alameda County Detention Center	Alameda County	CA	County jail	57
623	Jefferson County Jail	Jefferson County	AL	County jail	33
848	Hamilton County Justice Complex	Hamilton County	OH	County complex	193
850	Clark County Detention Facility	Clark County	NV	County jail	157
907	Federal Detention Center	Oakdale	LA	Federal complex	125
926	Shawnee Correctional Center	Vienna	IL	State prison	113
941	Danville Correctional Center	Danville	IL	State prison	107
1,000	Southern Maximum Security Complex	Tehachapi	CA	State prison	73
1,200	Arizona State Prison—Perryville	Goodyear	AZ	State prison	41
1,576	Mississippi State Penitentiary—Unit 29	Parchman	MS	State prison	143
1,648	West Jefferson Correctional Facility	Bessemer	AL	State prison	35

Category	State	Facility name	Facility type	Page
Expansion project	AR	Cummins Unit—Medium Security	State prison	53
Expansion project	AZ	Arizona State Prison—Perryville	State prison	41
Expansion project	CA	Stanislaus County Jail	County complex	75
Expansion project	CA	Tuolumne County Detention Facility	County jail	77
Expansion project	CO	Garfield County Jail	County jail	87
Expansion project	FL	Alachua County Corrections Facility	County jail	93
Expansion project	GA	Dooly County Jail	County jail	103
Expansion project	NY	Masten Park Secure Center	State secure center for youth	181
Expansion project	OK	Oklahoma State Penitentiary	State prison	203
Expansion project	PA	Blair County Prison	County jail	209
New, ancillary building	AR	Cummins Unit—Medium Security	State prison	53
New, ancillary building	AZ	Arizona State Prison—Florence	State prison	39
New, ancillary building	AZ	Pima County Main Jail (Addition)	County jail	51
New, ancillary building	CA	Lacy Security Facility	County jail	61
New, ancillary building	CO	Delta County Criminal Justice Facility	County complex	83
New, ancillary building	CO	Eagle County Jail	County jail	85
New, ancillary building	CO	Pitkin County Jail	County complex	89
New, ancillary building	DE	Delaware Correctional Center (Maximum Security)	State prison	91
New, ancillary building	FL	Federal Correctional Institution	Federal prison	95
New, ancillary building	FL	Pinellas County Jail—Medium Security Facility	County jail	99
New, ancillary building	FL	Union Correctional Institution	State prison	101
New, ancillary building	IL	Shawnee Correctional Center	State prison	113
New, ancillary building	IN	Marion County Jail	County complex	115
New, ancillary building	KS	Kansas State Penitentiary (Phase One)	State prison	121
New, ancillary building	LA	Feliciana Forensic Facility	State complex	127
New, ancillary building	MD	Baltimore City Jail	City jail	133
New, ancillary building	MI	State Prison of Southern Michigan	State prison hospital	137
New, ancillary building	MN	Minnesota Supervised Living Facility	State prison	139
New, ancillary building	NC	North Carolina Central Prison	State prison	187
New, ancillary building	OK	Lexington Assessment & Reception Center	State prison	199
New, ancillary building	OK	Mabel Bassett Correctional Center	State prison	201
New, ancillary building	OK	Oklahoma State Penitentiary	State prison	203
New, ancillary building	OK	Quachita Correctional Center	State prison	205
New, independent facility	AK	Cook Inlet Pre-Trial Facility	State detention facility	37
New, independent facility	AL	Federal Correctional Institution	Federal prison	31
New, independent facility	AL	Jefferson County Jail	County jail	33
New, independent facility	AL	West Jefferson Correctional Facility	State prison	35
New, independent facility	AR	Maximum Security Facility, Tucker Unit	State prison	55
New, independent facility	AZ	Arizona State Prison—Perryville	State prison	41
New, independent facility	AZ	Cochise County Jail	County jail	43
New, independent facility	AZ	Pima County Main Jail	County jail	49
New, independent facility	AZ	Federal Correctional Institution	Federal prison	45
New, independent facility	AZ	Metropolitan Correctional Center	Federal prison	47
New, independent facility	CA	Alameda County Detention Center	County jail	57
New, independent facility	CA	Contra Costa County Detention Facility	County complex	59
New, independent facility	CA	Pre-Trial Detention Facility	County complex	67
New, independent facility	CA	Santa Cruz County Jail (Phase I)	County jail	69
New, independent facility	CA	Shasta County Justice Center	County complex	71
New, independent facility	CA	Southern Maximum Security Complex	State prison	73
New, independent facility	CO	Adams County Detention Center	County jail	81

Category	State	Facility name	Facility type	Page
New, independent facility	FL	Marion County Detention Center	County jail	97
New, independent facility	GA	Richmond County Law Enforcement and Justice Center	County complex	105
New, independent facility	IA	Polk County Jail	City/county complex	117
New, independent facility	IL	Danville Correctional Center	State prison	107
New, independent facility	IL	DuPage County Jail and Sheriff's Department	County complex	109
New, independent facility	IL	Rock Island County Jail	County complex	111
New, independent facility	KS	Johnson County Juvenile Hall	Juvenile detention facility	119
New, independent facility	KY	Knox County Jail	County jail	123
New, independent facility	LA	Federal Detention Center	Federal complex	125
New, independent facility	MD	Baltimore City Correctional Center	State prison	131
New, independent facility	MD	Washington County Detention Center	County jail	135
New, independent facility	ME	Franklin County Detention/Law Enforcement Facility	County complex	129
New, independent facility	MO	Clay County Detention Center	County jail	145
New, independent facility	MO	Jackson County Detention Center	County complex	147
New, independent facility	MO	Missouri Eastern Correctional Center	State prison	149
New, independent facility	MS	Jackson County Adult Detention Center	County jail	141
New, independent facility	MS	Mississippi State Penitentiary—Unit 29	State prison	143
New, independent facility	MT	Gallatin County Detention Center	County jail	151
New, independent facility	MT	Lewis and Clark County Criminal Justice Facility	County complex	153
New, independent facility	NC	Craven County Law Enforcement Center	County complex	183
New, independent facility	NC	Eastern Correctional Center	State prison	185
New, independent facility	NC	Southern Correctional Center	State prison	189
New, independent facility	NE	Douglas County Correctional Center	County jail	155
New, independent facility	NJ	Warren County Correctional Center	County jail	159
New, independent facility	NM	Bernalillo County Detention Center	County jail	161
New, independent facility	NM	Central New Mexico Correctional Facility	State prison	163
New, independent facility	NM	Southern New Mexico Correctional Facility	State prison	167
New, independent facility	NM	Penitentiary of New Mexico	State prison	165
New, independent facility	NM	Western New Mexico Correctional Facility	State prison	169
New, independent facility	NM	Youth Diagnostic and Development Center	State youth detention facility	171
New, independent facility	NV	Clark County Detention Facility	County jail	157
New, independent facility	NY	Erie County Correctional Facility	County jail	173
New, independent facility	NY	Federal Correctional Institution (Otisville)	Federal prison	175
New, independent facility	NY	Federal Correctional Institution (Ray Brook)	Federal prison	177
New, independent facility	OH	Ashtabula County Justice Center	County complex	191
New, independent facility	OH	Hamilton County Justice Complex	County complex	193
New, independent facility	OH	Ottawa County Detention Facility	County complex	195
New, independent facility	OH	Wayne County Justice Center	City/county complex	197
New, independent facility	OR	Justice Center	County complex	207
New, independent facility	PA	Lycoming County Prison	County jail	211
New, independent facility	PA	Warren County Jail	County jail	213
New, independent facility	PA	Wyoming County Jail	County jail	215
New, independent facility	TX	Fayette County Detention Center	County complex	219
New, independent facility	TX	Federal Correctional Institution	Federal prison	221
New, independent facility	TX	Hunt County Criminal Justice Center	County complex	223
New, independent facility	TX	Smith County Jail	County jail	225
New, independent facility	VA	Roanoke City Jail	City complex	229
New, independent facility	VT	St. Johnsbury Community Correctional Center	County jail/State prison	227
New, independent facility	WA	Twin Rivers Corrections Center	State prison	231
New, independent facility	WA	Whitman County Correctional Facility	County complex	233
Phased project (future)	CO	Pitkin County Jail	County complex	89

Category	State	Facility name	Facility type	Page
Phased project (future)	KS	Kansas State Penitentiary (Phase One)	State prison	121
Phased project (future)	OH	Ottawa County Detention Facility	County complex	195
Phased project (future)	VA	Roanoke City Jail	City complex	229
Phased project (past)	AZ	Arizona State Prison—Perryville	State prison	41
Phased project (past)	SC	Clemson Police Department	City complex	217
Remodeling/renovation	CA	Nevada County Restitution Center	County restitution center	63
Remodeling/renovation	CA	Plumas County Sheriff's Department & Detention Facility	County jail	65
Remodeling/renovation	CA	Stanislaus County Jail	County complex	75
Remodeling/renovation	CA	Tuolumne County Detention Facility	County jail	77
Remodeling/renovation	CA	Yuba County Jail	County jail	79
Remodeling/renovation	FL	Alachua County Corrections Facility	County jail	93
Remodeling/renovation	NY	Kirby Forensic Psychiatric Center	State forensic treatment center	179
Remodeling/renovation	NY	Masten Park Secure Center	State secure center for youth	181
Remodeling/renovation	OK	Oklahoma State Penitentiary	State prison	203
Remodeling/renovation	SC	Clemson Police Department	City complex	217
Temporary housing	AZ	Arizona State Prison—Perryville	State prison	41
Temporary housing	FL	Alachua County Corrections Facility	County jail	93

Facility name	State	Facility type	Page
Adams County Detention Center	CO	County jail	81
Alachua County Corrections Facility	FL	County jail	93
Alameda County Detention Center	CA	County jail	57
Arizona State Prison—Florence	AZ	State prison	39
Arizona State Prison—Perryville	AZ	State prison	41
Ashtabula County Justice Center	OH	County complex	191
Baltimore City Correctional Center	MD	State prison	131
Baltimore City Jail	MD	City jail	133
Bernalillo County Detention Center	NM	County jail	161
Blair County Prison	PA	County jail	209
Central New Mexico Correctional Facility	NM	State prison	163
Clark County Detention Facility	NV	County jail	157
Clay County Detention Center	MO	County jail	145
Clemson Police Department	SC	City complex	217
Cochise County Jail	AZ	County jail	43
Contra Costa County Detention Facility	CA	County complex	59
Cook Inlet Pre-Trial Facility	AK	State detention facility	37
Craven County Law Enforcement Center	NC	County complex	183
Cummins Unit—Medium Security	AR	State prison	53
Danville Correctional Center	IL	State prison	107
Delaware Correctional Center (Maximum Security)	DE	State prison	91
Delta County Criminal Justice Facility	CO	County complex	83
Dooly County Jail	GA	County jail	103
Douglas County Correctional Center	NE	County jail	155
DuPage County Jail and Sheriff's Department	IL	County complex	109
Eagle County Jail	CO	County jail	85
Eastern Correctional Center	NC	State prison	185
Erie County Correctional Facility	NY	County jail	173
Fayette County Detention Center	TX	County complex	219
Federal Correctional Institution (Talladega)	AL	Federal prison	31
Federal Correctional Institution (Phoenix)	AZ	Federal prison	45
Federal Correctional Institution (Tallahassee)	FL	Federal prison	95
Federal Correctional Institution (Otisville)	NY	Federal prison	175
Federal Correctional Institution (Ray Brook)	NY	Federal prison	177
Federal Correctional Institution (Bastrop)	TX	Federal prison	221
Federal Detention Center	LA	Federal complex	125
Feliciana Forensic Facility	LA	State complex	127
Franklin County Detention/Law Enforcement Facility	ME	County complex	129
Gallatin County Detention Center	MT	County jail	151
Garfield County Jail	CO	County jail	87
Hamilton County Justice Complex	OH	County complex	193
Hunt County Criminal Justice Center	TX	County complex	223
Jackson County Adult Detention Center	MS	County jail	141
Jackson County Detention Center	MO	County complex	147
Jefferson County Jail	AL	County jail	33
Johnson County Juvenile Hall	KS	Juvenile detention facility	119
Justice Center	OR	County complex	207
Kansas State Penitentiary (Phase One)	KS	State prison	121
Kirby Forensic Psychiatric Center	NY	State forensic treatment center	179
Knox County Jail	KY	County jail	123
Lacy Security Facility	CA	County jail	61

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Facility name	State	Facility type	Page
Lewis and Clark County Criminal Justice Facility	MT	County complex	153
Lexington Assessment & Reception Center	OK	State prison	199
Lycoming County Prison	PA	County jail	211
Mabel Bassett Correctional Center	OK	State prison	201
Marion County Detention Center	FL	County jail	97
Marion County Jail	IN	County complex	115
Masten Park Secure Center	NY	State secure center for youth	181
Maximum Security Facility, Tucker Unit	AR	State prison	55
Metropolitan Correctional Center	AZ	Federal prison	47
Minnesota Supervised Living Facility	MN	State prison	139
Mississippi State Penitentiary—Unit 29	MS	State prison	143
Missouri Eastern Correctional Center	MO	State prison	149
Nevada County Restitution Center	CA	County restitution center	63
North Carolina Central Prison	NC	State prison	187
Oklahoma State Penitentiary	OK	State prison	203
Ottawa County Detention Facility	OH	County complex	195
Penitentiary of New Mexico	NM	State prison	165
Pima County Main Jail	AZ	County jail	49
Pima County Main Jail (Addition)	AZ	County jail	51
Pinellas County Jail—Medium Security Facility	FL	County jail	99
Pitkin County Jail	CO	County complex	89
Plumas County Sheriff's Dept. and Detention Facility	CA	County jail	65
Polk County Jail	IA	City/county complex	117
Pre-Trial Detention Facility	CA	County complex	67
Quachita Correctional Center	OK	State prison	205
Richmond County Law Enforcement and Justice Center	GA	County complex	105
Roanoke City Jail	VA	City complex	229
Rock Island County Jail	IL	County complex	111
Santa Cruz County Jail (Phase I)	CA	County jail	69
Shasta County Justice Center	CA	County complex	71
Shawnee Correctional Center	IL	State prison	113
Smith County Jail	TX	County jail	225
Southern Correctional Center	NC	State prison	189
Southern Maximum Security Complex	CA	State prison	73
Southern New Mexico Correctional Facility	NM	State prison	167
St. Johnsbury Community Correctional Center	VT	County jail/State prison	227
Stanislaus County Jail	CA	County complex	75
State Prison of Southern Michigan	MI	State prison hospital	137
Tuolumne County Detention Facility	CA	County jail	77
Twin Rivers Corrections Center	WA	State prison	231
Union Correctional Institution	FL	State prison	101
Warren County Correctional Center	NJ	County jail	159
Warren County Jail	PA	County jail	213
Washington County Detention Center	MD	County jail	135
Wayne County Justice Center	OH	County complex	197
West Jefferson Correctional Facility	AL	State prison	35
Western New Mexico Correctional Facility	NM	State prison	169
Whitman County Correctional Facility	WA	County complex	233
Wyoming County Jail	PA	County jail	215
Youth Diagnostic and Development Center	NM	State youth detention facility	171
Yuba County Jail	CA	County jail	79

## Section IV

### Facility profiles

# Federal Correctional Institution

Responsible official: Warden Robert Martin

Alabama

Talladega

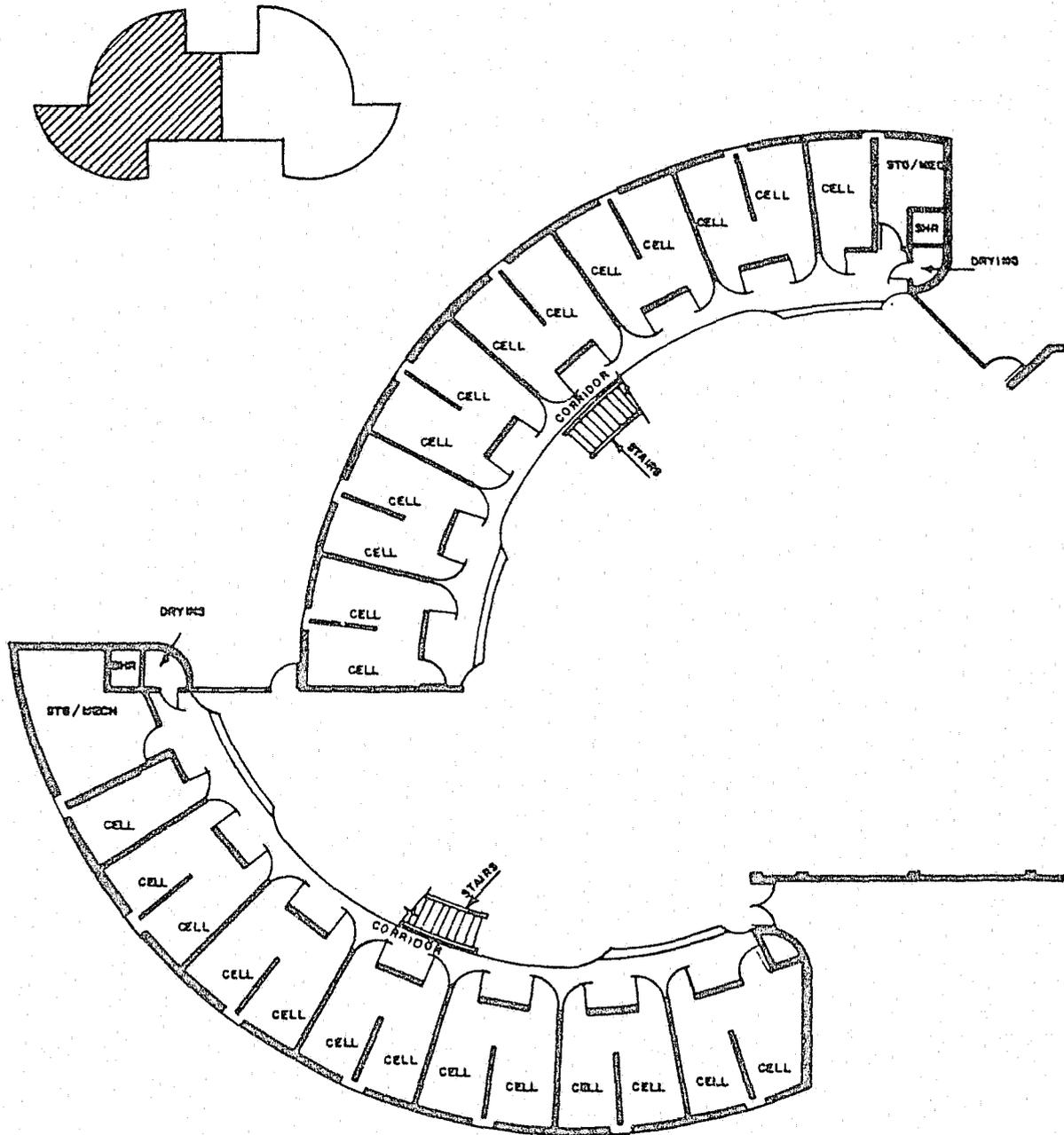
**Contact:** Warden Robert Martin, Federal Correctional Institution, Talladega, AL 35160, 205-362-0410

**Architect:** Charles H. McCauley Associates, Inc., 1400 South 20th Street, P.O. Box 335, Birmingham, AL 35201, 205-933-7100

**Construction manager:** Lasker Goldman Corporation, 470 Park Avenue South, New York, NY 10016, 212-481-3409

<p><b>Groundbreaking:</b> September 1977  <b>Finish date:</b> September 1979  <b>Construction time:</b> 24 months</p>	<p><b>Design capacity:</b> 324  <b>Total cost:</b> \$10,069,300  <b>Total annual operating costs:</b> \$6,500,000</p>	<p><b>Category:</b> New, independent facility  <b>Facility type:</b> Federal prison  <b>Building configuration:</b> Campus style</p>
<p><b>Costs</b></p> <p>Total: \$10,069,300          Building only: \$10,069,050          Housing area: \$6,002,840          Housing per inmate: \$18,527          Housing per cell: \$18,527          Total per inmate: \$31,078          Total per GSF: \$38.73          Total annual operating costs: \$6,500,000</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 260,000          Gross square feet/other: 0          Gross square feet/total: 260,000          Housing area square feet: 155,000          Gross square feet per inmate: 802          Size of cells: 106 square feet (single)          Net/gross square feet: Unknown</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod          Cells per unit: 54          Inmates per unit: 54          Management type: Direct supervision          October 1985 population: 879          Facility commitment: Federal prisoners          Means to handle crowding: Bunk beds in cell</p>
<p><b>Security</b></p> <p>Perimeter: Double fence; patrols          Inmate security level:            Maximum: 0 (use, 5%)            Medium: 75% (use, 90%)            Minimum: 25% (use, 5%)</p>	<p><b>Construction type</b></p> <p>Structural: Steel frame          Exterior walls: CMU block          Interior walls: CMU block          Exterior surface/facade: Natural wall, no coating or treatment</p>	<p><b>Construction process</b></p> <p>Finance method: Federal funds          Contract method: Construction management fast track          Use of inmate labor: None          Use of prefabrication: None</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel          Doors/type: Swinging          Doors/locking: Manual locking          Floor surface: Vinyl tile          Intercom: One-way to common areas          HVAC: Air conditioning          Plumbing: China          Furniture: Wood; steel          Fire protection: Sprinklers for common areas</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 324          Double occupancy: 0          Dorms: 0          Other: 0          Special housing: 0          General population: 324          Total: 324</p> <p><b>Current staff</b></p> <p>Full-time equivalent:            Administration: 28            Security: 100            Programs/treatment: 39            Maintenance: 46            Total: 213          Current inmate/staff ratio: 4.13:1</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs:          Positive: Phased construction, fast track construction management          Negative: Government procedures, regulations, "red tape"; complex electronic, mechanical, and electrical systems</p> <p>Factors affecting time schedule:          Positive: Phased construction, fast track construction management; advanced order of materials and hardware; coordination of design, construction/owner          Negative: Slow responses and delivery from vendors, suppliers; government "red tape"; complex electronic, mechanical, and electrical systems</p>

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# Jefferson County Jail

Responsible official: Sheriff A. Melvin Bailey

Alabama

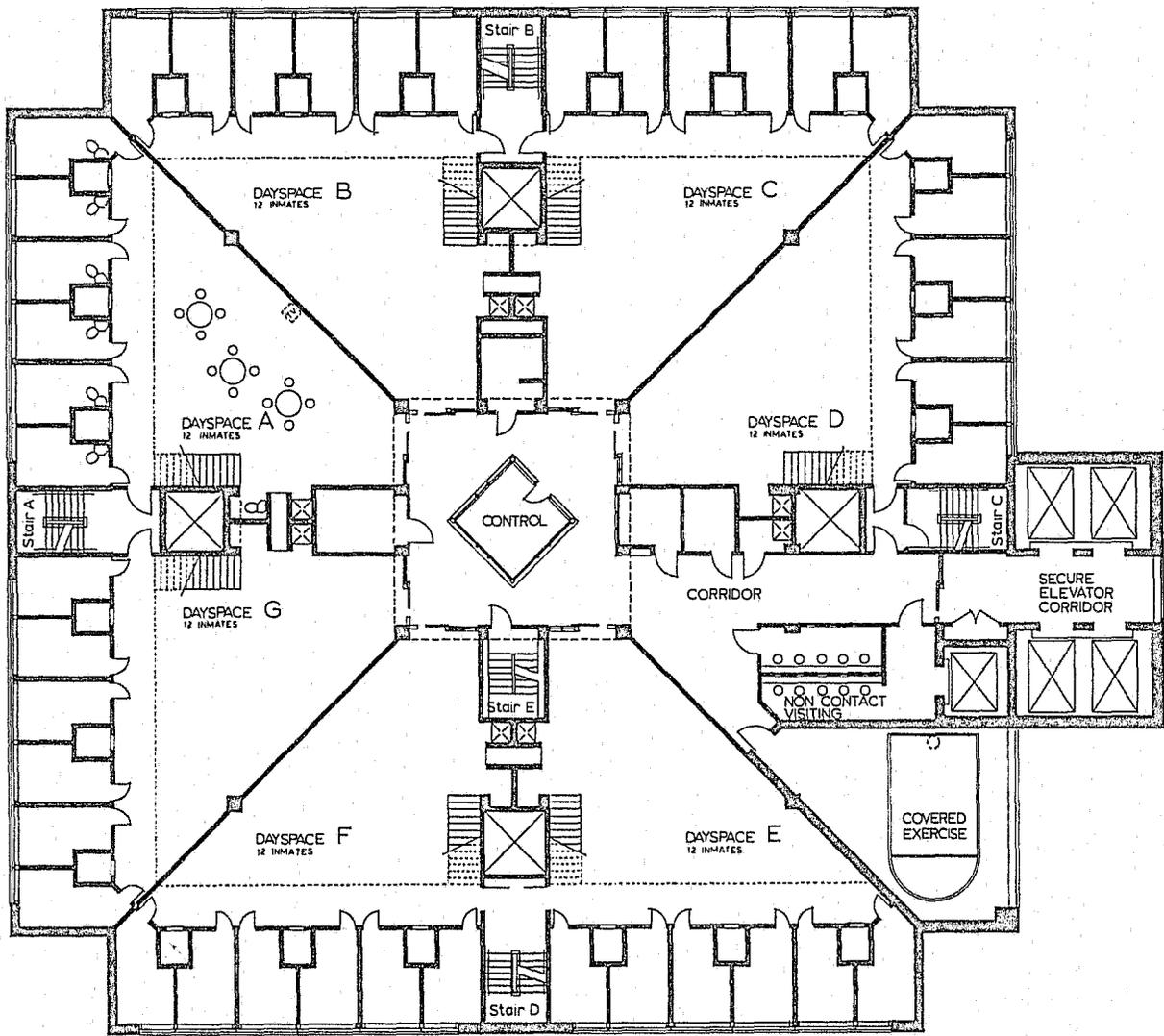
Jefferson County, Birmingham

**Contact:** Bill Blair, Deputy Sheriff, Jefferson County Jail, 809 21 Street North, Birmingham, AL 35263, 205-325-5936

**Architect:** Giattina Fisher & Company Architects, Inc., 2031 11th Avenue South, Birmingham, AL 35255, 205-933-9060

**Construction manager:** None

<p><b>Groundbreaking:</b> January 1982 <b>Finish date:</b> July 1984 <b>Construction time:</b> 31 months</p>	<p><b>Design capacity:</b> 623 <b>Total cost:</b> \$18,200,000 <b>Total annual operating costs:</b> \$4,480,409</p>	<p><b>Category:</b> New, independent facility <b>Facility type:</b> County jail <b>Building configuration:</b> High rise</p>
<p><b>Costs</b></p> <p>Total: \$18,200,000 Building only: N/A Housing area: \$14,700,000 Housing per inmate: \$25,699 Housing per cell: \$28,053 Total per inmate: \$29,213 Total per GSF: \$80.83 Total annual operating costs: \$4,480,409</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 225,173 Gross square feet/other: 0 Gross square feet/total: 225,173 Housing area square feet: 181,580 Gross square feet per inmate: 361 Size of cells: 70 square feet (single) Net/gross square feet: N/A</p> <p><b>Construction type</b></p> <p>Structural: Cast-in-place concrete frame, flat plate Exterior walls: CMU block; brick Interior walls: Cast-in-place concrete; CMU block Exterior surface/facade: Brick</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod Cells per unit: 12 Inmates per unit: 12 Management type: Remote surveillance; patrols October 1985 population: 312 Facility commitment: Local jail inmates and State prisoners Means to handle crowding: None needed</p>
<p><b>Security</b></p> <p>Perimeter: Building exterior; alarm/detection systems Inmate security level: Maximum: 96% Medium: 0 Minimum: 4%</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 500 Double occupancy: 0 Dorms: 72 Other: 0 Special housing: 51 General population: 572 Total: 623</p> <p><b>Current staff</b></p> <p>Full-time equivalent: Administration: 10 Security: 104 Programs/treatment: 7 (+ 4 not in budget) Maintenance: 0 (+ 6 not in budget) Total: 121 (+ 10 not in budget) Current inmate/staff ratio: 2.58:1</p>	<p><b>Construction process</b></p> <p>Finance method: Local funds; G.O. Bond issue Contract method: Conventional; three bid packages Use of inmate labor: None Use of prefabrication: Limited; casework, detention furnishings</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel Doors/type: Swinging Doors/locking: Remote unlocking only Floor surface: Vinyl tile; carpet in control rooms and administrative areas Intercom: Two-way to cells and common areas; direct to secure stations HVAC: Air cond.; heating/air circ.; cent. heat. plant with boilers, fans, chillers, cool. towers; pip. to heat. coils Plumbing: Stainless combination unit Furniture: Steel; stainless steel Fire protection: Smoke det. for com. areas; sprinklers for cells and com. areas; man. alarm stations; fire pump; emer. gen.; comp. cont. for HVAC</p>		<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs: Positive: Simple construction methods, repetitiveness of design; good competition, favorable market; high-rise design with stacking cells and utilities Negative: Difficult site conditions; complex electronic, mechanical, and electrical systems</p> <p>Factors affecting time schedule: Positive: Phased construction; coordination of design, team/contractor/owner; all parties local Negative: Slow responses and delivery from vendors, suppliers; weather problems</p>



 TYPICAL LEVEL PLAN  
0 4 8 16 32 FEET

# West Jefferson Correctional Facility

Responsible official: James D. White, Administrator

Alabama

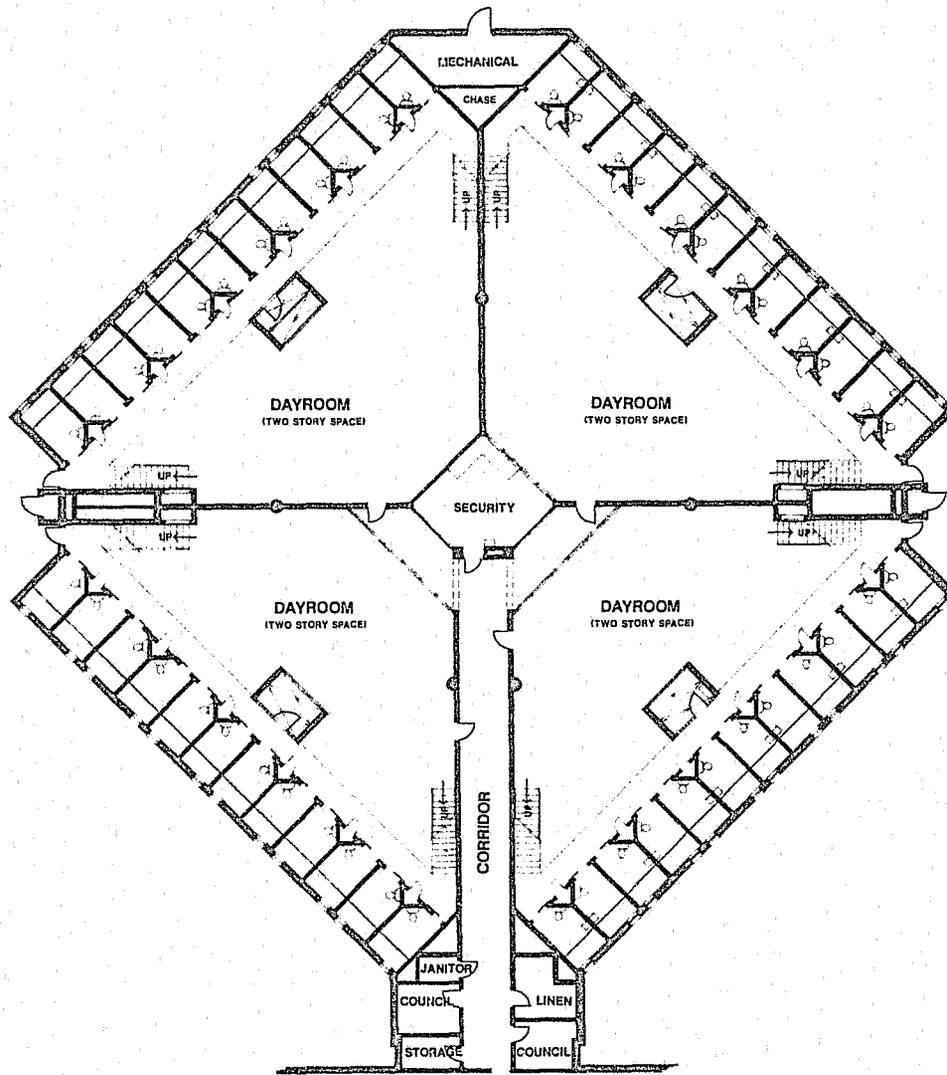
Bessemer

**Contact:** James D. White, Administrator, West Jefferson Correctional Facility, 1000 Warrior Lane, Bessemer, AL 35023, 205-436-3686

**Architect:** Wittenberg, Delony & Davidson, Inc., 840 Savers Federal Building, Little Rock, AR 72201, 501-376-6681

**Construction manager:** Brice Building Company/Champion Construction Company, 2721 2nd Avenue North, Birmingham, AL 35201, 205-252-9911

<p><b>Groundbreaking:</b> December 1981 <b>Finish date:</b> March 1984 <b>Construction time:</b> 28 months</p>	<p><b>Design capacity:</b> 1,648 <b>Total cost:</b> \$23,420,685 <b>Total annual operating costs:</b> \$11,000,000</p>	<p><b>Category:</b> New, independent facility <b>Facility type:</b> State prison <b>Building configuration:</b> Wings connecting housing pods</p>
<p><b>Costs</b></p> <p>Total: \$23,420,685 Building only: \$22,220,685 Housing area: \$14,907,750 Housing per inmate: \$9,317 Housing per cell: \$24,519 Total per inmate: \$14,212 Total per GSF: \$74.23 Total annual operating costs: \$11,000,000</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 315,522 Gross square feet/other: 0 Gross square feet/total: 315,522 Housing area square feet: 220,900 Gross square feet per inmate: 191 Size of cells: 65 square feet (single) Net/gross square feet: N/A</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod Cells per unit: 96 Inmates per unit: 96 or 192 Management type: Remote surveillance October 1985 population: 1,316 Facility commitment: State prisoners Means to handle crowding: Bunk beds in cell</p>
<p><b>Security</b></p> <p>Perimeter: Double fence; alarm/detection systems, razor wire on and between fences; towers; patrols Inmate security level: Maximum: 12.5% Medium: 50% Minimum: 37.5%</p>	<p><b>Construction type</b></p> <p>Structural: Load bearing precast panels (floors); load bearing concrete block Exterior walls: CMU block Interior walls: CMU block Exterior surface/facade: CMU block only</p>	<p><b>Construction process</b></p> <p>Finance method: State funds Contract method: Conventional, two separate contracts Use of inmate labor: None Use of prefabrication: Moderate, pre-engineered metal roof and frame, precast panels</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel Doors/type: Swinging; sliding Doors/locking: Motor driven and remote locking; remote locking only Floor surface: Sealed concrete Intercom: Two-way to common areas HVAC: Heating/air circulation only; gas-fired boiler Plumbing: Stainless Furniture: Steel; concrete Fire protection: Smoke detectors and sprinklers for cells and common areas; manual alarm stations</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 200 Double occupancy: 800 Dorms: 600 Other: 0 Special housing: 48 General population: 1,600 Total: 1,648</p> <p><b>Current staff</b></p> <p>Full-time equivalent: Administration: 48 Security: 276 Programs/treatment: 33 Maintenance: 3 Total: 360 Current inmate/staff ratio: 3.66:1</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs: Positive: Phased construction; less expensive materials and hardware Negative: Difficult site conditions—abandoned coal mine</p> <p>Factors affecting time schedule: Positive: Simple construction methods, repetitiveness of design; phased construction, coordination of design, construction/owner Negative: Site preparation lengthy</p>



TYPICAL 96 BED HOUSING UNIT

# Cook Inlet Pre-Trial Facility

Responsible official: Superintendent Charles Moses

Alaska

Anchorage

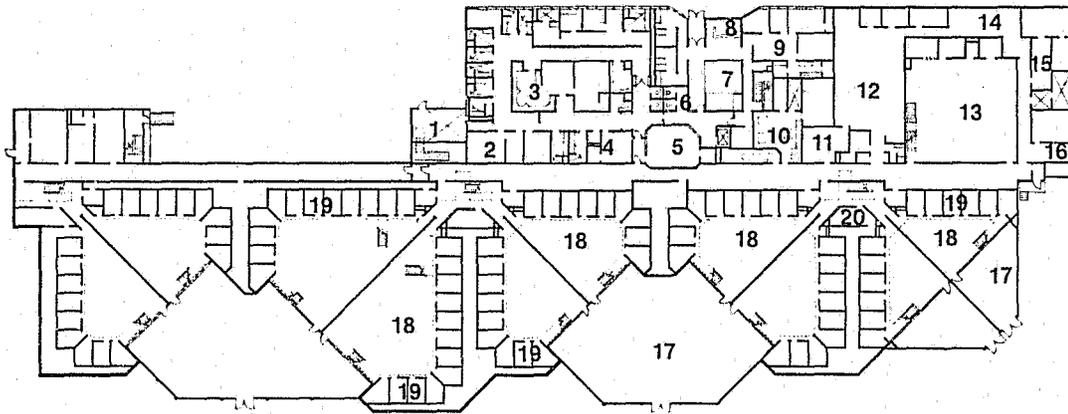
**Contact:** Superintendent Charles Moses, Cook Inlet Pre-Trial Facility, P.O. Box 103155, 1300 East 4th Avenue, Anchorage, AK 99501, 907-338-7267

**Architect:** Hellmuth, Obata & Kassabaum, Inc., One Lombard Street, San Francisco, CA 94111, 415-627-1600

**Associate architect:** CCC, 413 West Seventh, Suite 100, Anchorage, AK 99501, 907-272-3567

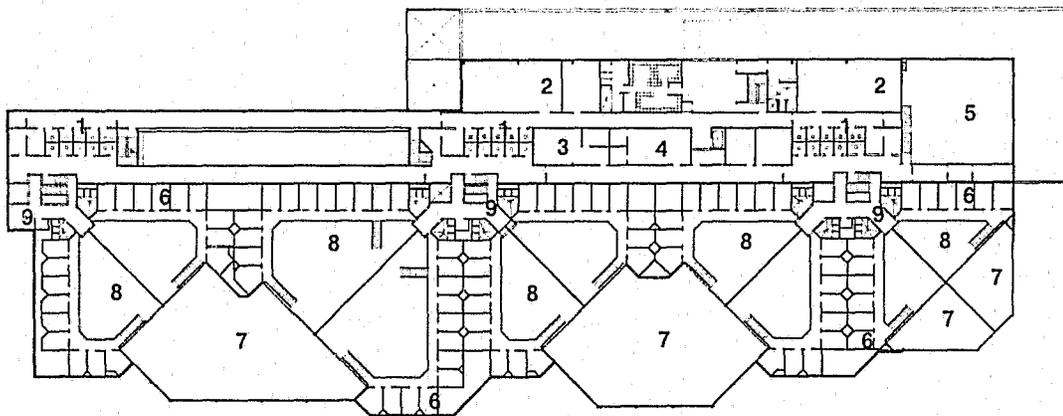
**Construction manager:** None

<p><b>Groundbreaking:</b> September 1979  <b>Finish date:</b> June 1983  <b>Construction time:</b> 45 months</p>	<p><b>Design capacity:</b> 228  <b>Total cost:</b> \$21,000,000  <b>Total annual operating costs:</b> \$8,505,683</p>	<p><b>Category:</b> New, independent facility  <b>Facility type:</b> State detention facility  <b>Building configuration:</b> Integrated structure; clusters</p>
<p><b>Costs</b></p> <p>Total: \$21,000,000          Building only: \$20,000,000          Housing area: \$9,800,000          Housing per inmate: \$45,370          Housing per cell: \$45,370          Total per inmate: \$92,105          Total per GSF: \$235.05          Total annual operating costs: \$8,505,683</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 89,341          Gross square feet/other: 0          Gross square feet/total: 89,341          Housing area square feet: 59,000          Gross square feet per inmate: 392          Size of cells: 70 square feet (single)          Net/gross square feet: 66%</p> <p><b>Construction type</b></p> <p>Structural: Steel frame; CIP concrete frame; precast conc. frame (col. and beam)          Exterior walls: Precast panels          Interior walls: Precast panels; CMU block with solid grout          Exterior surface/facade: Unknown</p> <p><b>Inmate design capacity</b></p> <p>Single occupancy: 216          Double occupancy: 0          Dorms: 0          Other: 0          Special housing: 12          General population: 216          Total: 228</p> <p><b>Current staff</b></p> <p>Full-time equivalent:          Administration: 14          Security: 95          Programs/treatment: 6          Maintenance: 12          Total: 127          Current inmate/staff ratio: 3.13:1</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod          Cells per unit: 12 to 24          Inmates per unit: 12 to 48          Management type: Direct supervision          October 1985 population: 398          Facility commitment: State prisoners          Means to handle crowding: Holding cells in intake; transfer offenders</p> <p><b>Construction process</b></p> <p>Finance method: State funds          Contract method: Conventional          Use of inmate labor: None          Use of prefabrication: Moderate, tilt-up walls</p>
<p><b>Security</b></p> <p>Perimeter: Building exterior; double fence; razor wire on fence          Inmate security level:          Maximum: 15%          Medium: 65%          Minimum: 20%</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 216          Double occupancy: 0          Dorms: 0          Other: 0          Special housing: 12          General population: 216          Total: 228</p> <p><b>Current staff</b></p> <p>Full-time equivalent:          Administration: 14          Security: 95          Programs/treatment: 6          Maintenance: 12          Total: 127          Current inmate/staff ratio: 3.13:1</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs:          Positive: Use of tilt-up construction          Negative: Alaskan prices; weather problems</p> <p>Factors affecting time schedule:          Positive: Tilt-up system          Negative: Weather problems</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel          Doors/type: Swinging          Doors/locking: Remote locking          Floor surface: Dextotex          Intercom: Two-way to dayroom          HVAC: Heating/air circulation only          Plumbing: Stainless          Furniture: Precast concrete          Fire protection: Smoke detectors and sprinklers for cells</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 216          Double occupancy: 0          Dorms: 0          Other: 0          Special housing: 12          General population: 216          Total: 228</p> <p><b>Current staff</b></p> <p>Full-time equivalent:          Administration: 14          Security: 95          Programs/treatment: 6          Maintenance: 12          Total: 127          Current inmate/staff ratio: 3.13:1</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs:          Positive: Use of tilt-up construction          Negative: Alaskan prices; weather problems</p> <p>Factors affecting time schedule:          Positive: Tilt-up system          Negative: Weather problems</p>



**First Level**

- |                   |                  |                 |                     |
|-------------------|------------------|-----------------|---------------------|
| 1 Sally Port      | 6 Interview      | 11 Staff Dining | 16 Receiving        |
| 2 Magistrate      | 7 Waiting        | 12 Kitchen      | 17 Outdoor Exercise |
| 3 Booking Area    | 8 Reception      | 13 Gymnasium    | 18 Dayroom          |
| 4 Superintendent  | 9 Administration | 14 Storage      | 19 Typical Cell     |
| 5 Central Control | 10 Laundry       | 15 Maintenance  | 20 Counseling       |



**Second Level**

- |              |                   |                    |
|--------------|-------------------|--------------------|
| 1 Visiting   | 4 Classroom       | 7 Outdoor Exercise |
| 2 Mechanical | 5 Gymnasium Below | 8 Dayroom Below    |
| 3 Library    | 6 Typical Cell    | 9 Control Room     |

# Arizona State Prison—Florence (Addition—East Unit)

Responsible official: Warden Lloyd Bramlett

Arizona

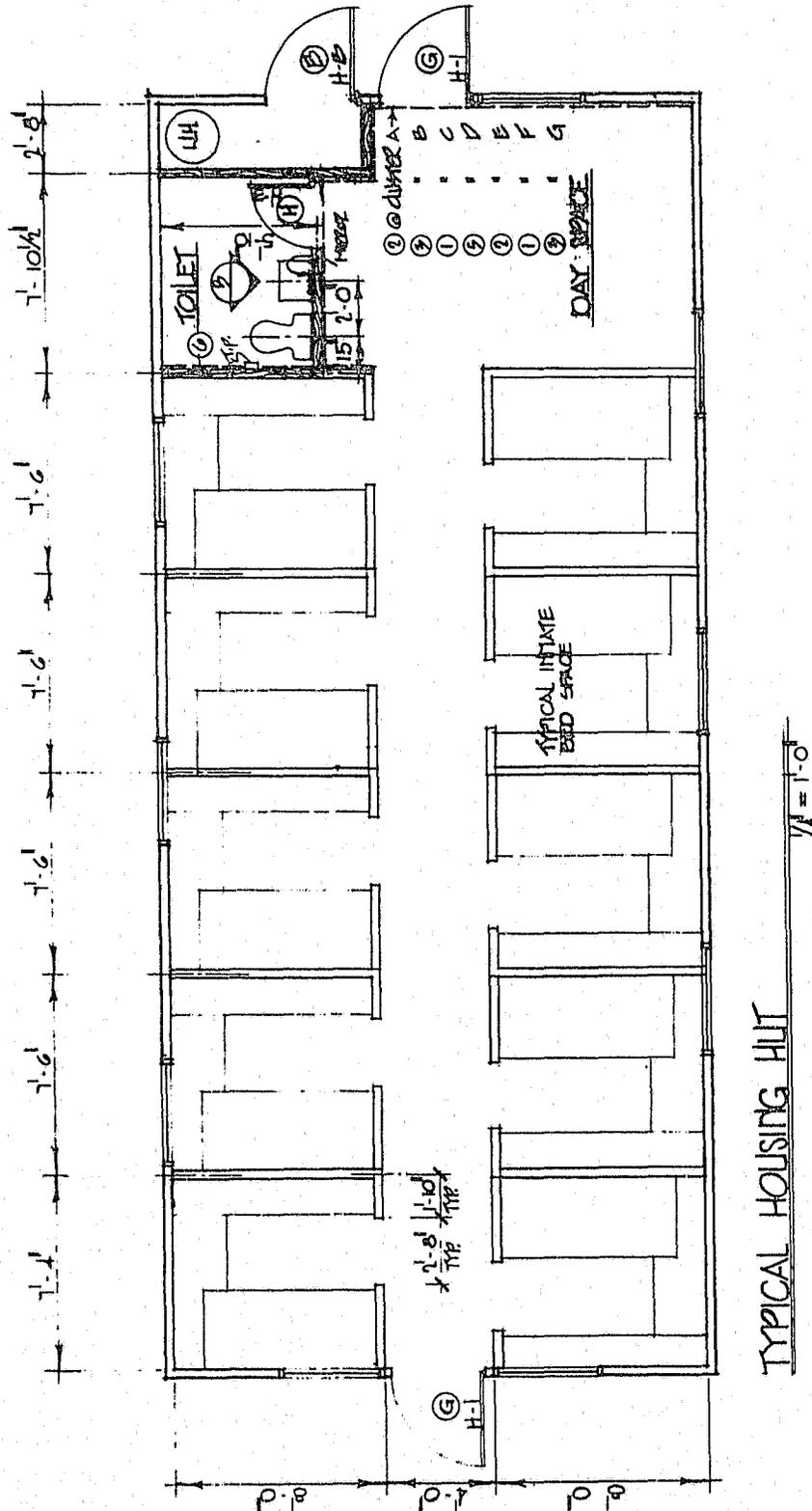
Florence

**Contact:** Deputy Warden A. Grijalva, Arizona State Prison, P.O. Box 629, Florence, AZ 85232, 602-868-4011

**Architect:** Varney, Sexton, Lunsford, Aye, Associates—Architects, Inc., 2001 East Campbell Avenue, Suite 200, Phoenix, AZ 85016, 602-954-9131

**Construction manager:** None

<p><b>Groundbreaking:</b> January 1984  <b>Finish date:</b> June 1985  <b>Construction time:</b> 17 months</p>	<p><b>Design capacity:</b> 540  <b>Total cost:</b> \$4,700,000  <b>Total annual operating costs:</b> N/A (addition)</p>	<p><b>Category:</b> New, ancillary building  <b>Facility type:</b> State prison  <b>Building configuration:</b> Campus style</p>
<p><b>Costs</b></p> <p>Total: \$4,700,000          Building only: \$2,218,630          Housing area: \$2,009,088          Housing per inmate: \$3,805          Housing per cell: \$41,856 (dorm)          Total per inmate: \$8,704          Total per GSF: \$42.55          Total annual operating costs: N/A (addition)</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 110,450          Gross square feet/other: 0          Gross square feet/total: 110,450          Housing area square feet: 46,080          Gross square feet per inmate: 205          Size of cells: 680 square feet per quonset hut          Net/gross square feet: N/A</p>	<p><b>Inmate housing areas</b></p> <p>Design: Dormitory-style quonset huts          Cells per unit: N/A          Inmates per unit: 11          Management type: Intermittent surveillance          October 1985 population: 563          Facility commitment: State prisoners          Means to handle crowding: Beds in day spaces</p>
<p><b>Security</b></p> <p>Perimeter: Double fence; alarm/detection system; razor wire on fence; patrols          Inmate security level:          Maximum: 0          Medium: 98% (+ 2% hard medium)          Minimum: 0</p>	<p><b>Construction type</b></p> <p>Structural: Steel frame          Exterior walls: CMU block; corrugated metal          Interior walls: CMU block; gyp board          Exterior surface/facade: Stucco; paint</p>	<p><b>Construction process</b></p> <p>Finance method: State funds          Contract method: Construction management fast track; owner built (inmate labor)          Use of inmate labor: Extensive; 95% of construction          Use of prefabrication: Extensive; huts and preengineered metal buildings</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Wooden; steel          Doors/type: Swinging          Doors/locking: Unlocked          Floor surface: Sealed concrete          Intercom: One-way to common areas          HVAC: Evaporative cooling; heating/air circulation only; individual gas-fired heating units          Plumbing: China          Furniture: Steel          Fire protection: Smoke detectors for cells</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 0          Double occupancy: 0          Dorms: 528          Other: 0          Special housing: 12          General population: 528          Total: 540</p> <p><b>Current staff</b></p> <p>Full-time equivalent:          Administration: 6          Security: 141          Programs/treatment: 6          Maintenance: 1          Total: 154 (addition only)          Current inmate/staff ratio: 3.66:1</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs:          Positive: Use of prefabricated components; simple construction methods; less expensive materials and hardware; limited need of contract work          Negative: Slow inmate labor; government procedures, regulations, "red tape"; complex electronic, mechanical, and electrical systems</p> <p>Factors affecting time schedule:          Positive: Use of prefabricated components; simple construction methods; coordination of design          Negative: Labor problems; government "red tape"; complex electronic, mechanical, and electrical systems</p>



# Arizona State Prison—Perryville

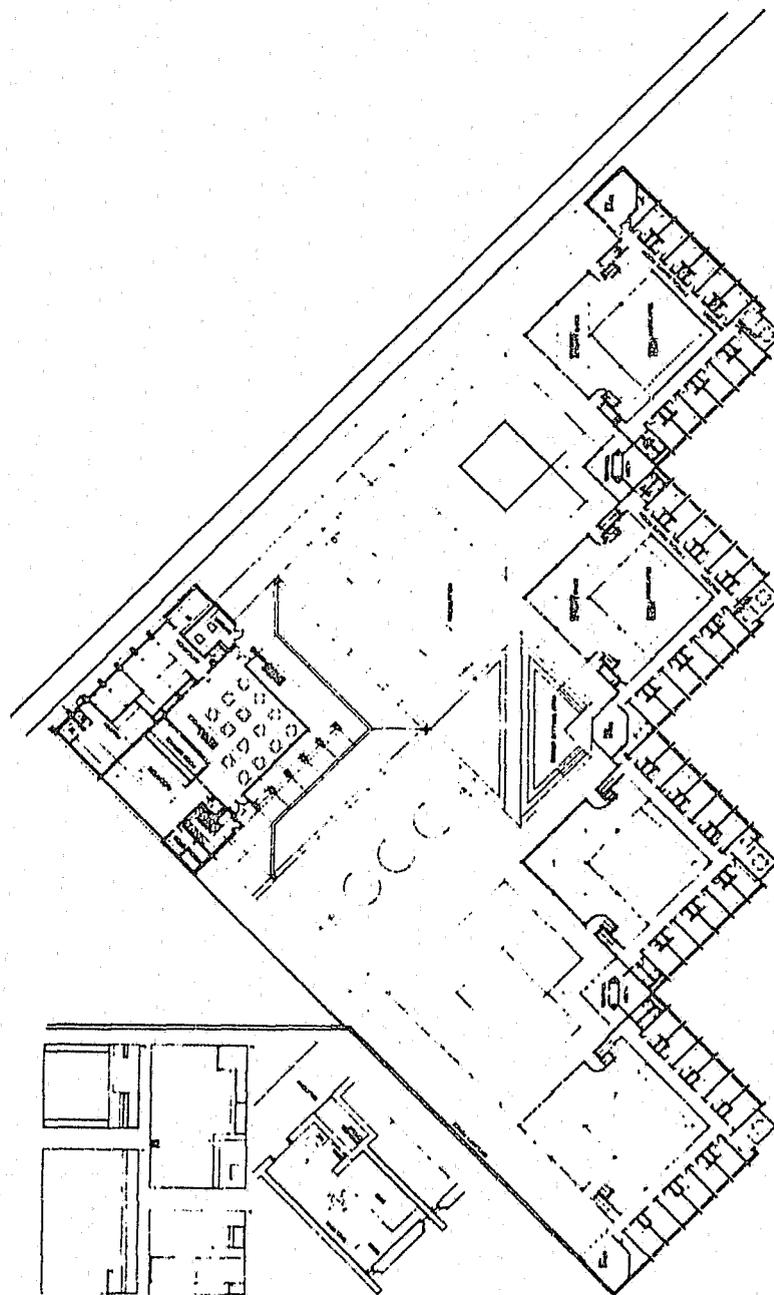
Responsible official: Warden William Rhode

Arizona

Goodyear

**Contact:** Warden William Rhode, Arizona State Prison—Perryville, P.O. Box 3000, Goodyear, AZ 85338, 602-935-9371  
**Architect:** Varney, Sexton, Lunsford, Aye/Gruzen Associated Architects, 2001 East Campbell Avenue, Suite 200, Phoenix, AZ 85016, 602-954-9131  
**Construction manager:** Kitchell, CEM, Inc., 1006 South 24th Street, Phoenix, AZ 85034, 602-275-7541

<p><b>Groundbreaking:</b> November 1979  <b>Finish date:</b> April 1983  <b>Construction time:</b> 41 months</p>	<p><b>Design capacity:</b> 1,200  <b>Total cost:</b> \$42,600,000  <b>Total annual operating costs:</b> \$17,058,600</p>	<p><b>Category:</b> New, ind. fac.; expansion; phased project (past); temp. housing  <b>Facility type:</b> State prison  <b>Building configuration:</b> Campus style</p>
<p><b>Costs</b></p> <p>Total: \$42,600,000  Building only: \$41,000,000  Housing area: \$17,200,000  Housing per inmate: \$14,333  Housing per cell: \$14,333  Total per inmate: N/A  Total per GSF: \$118.33  Total annual operating costs: \$17,058,600</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 360,000  Gross square feet/other: 0  Gross square feet/total: 360,000  Housing area square feet: 177,800  Gross square feet per inmate: 300  Size of cells: 80 square feet (single)  Net/gross square feet: 90%</p> <p><b>Construction type</b></p> <p>Structural: Load bearing precast panels; steel frame; cast-in-place concrete frame  Exterior walls: Precast panels; cast-in-place concrete; CMU block (court walls of housing)  Interior walls: Precast panels; cast-in-place concrete; CMU block  Exterior surface/facade: Stucco; paint; textured concrete</p>	<p><b>Inmate housing areas</b></p> <p>Design: Linear, outside  Cells per unit: 96  Inmates per unit: 96  Management type: Direct supervision  October 1985 population: 1,400  Facility commitment: State prisoners  Means to handle crowding: Second bunk permanently attached to wall</p>
<p><b>Security</b></p> <p>Perimeter: Single fence; alarm/detection system; patrols  Inmate security level:  Maximum: 0  Medium: 83.3%  Minimum: 16.7%</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 1,200  Double occupancy: 0  Dorms: 0  Other: 0  Special housing: 0  General population: 1,200  Total: 1,200</p> <p><b>Current staff</b></p> <p>Full-time equivalent:  Administration: 83  Security: 361  Programs/treatment: 96  Maintenance: 9  Total: 549  Current inmate/staff ratio: 2.55:1</p>	<p><b>Construction process</b></p> <p>Finance method: State funds  Contract method: Construction management fast track  Use of inmate labor: Limited; concrete flatwork; landscaping; fence; painting; furniture  Use of prefabrication: Moderate; tilt-up concrete; inmate room furniture</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel  Doors/type: Swinging  Doors/locking: Remote locking only  Floor surface: Sealed concrete  Intercom: One-way to common areas  HVAC: Cooling by eval coolers; electric duct heaters; rooftop package of heating and cooling units  Plumbing: China  Furniture: Steel  Fire protection: Smoke detectors for cells</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs:  Positive: Use of prefabricated components; simple construction methods; phased construction; good competition; less expensive materials and hardware; inmate labor; local climate  Negative: Government regulations, "red tape"; complex electronic, mechanical, and electrical systems</p> <p>Factors affecting time schedule:  Positive: Use of prefabricated components; simple construction methods; phased construction; advanced order of materials and hardware; coordination of design; advance site work  Negative: Government regulations, "red tape"</p>	



# Cochise County Jail

Responsible official: Sheriff Jim V. Judd

Arizona

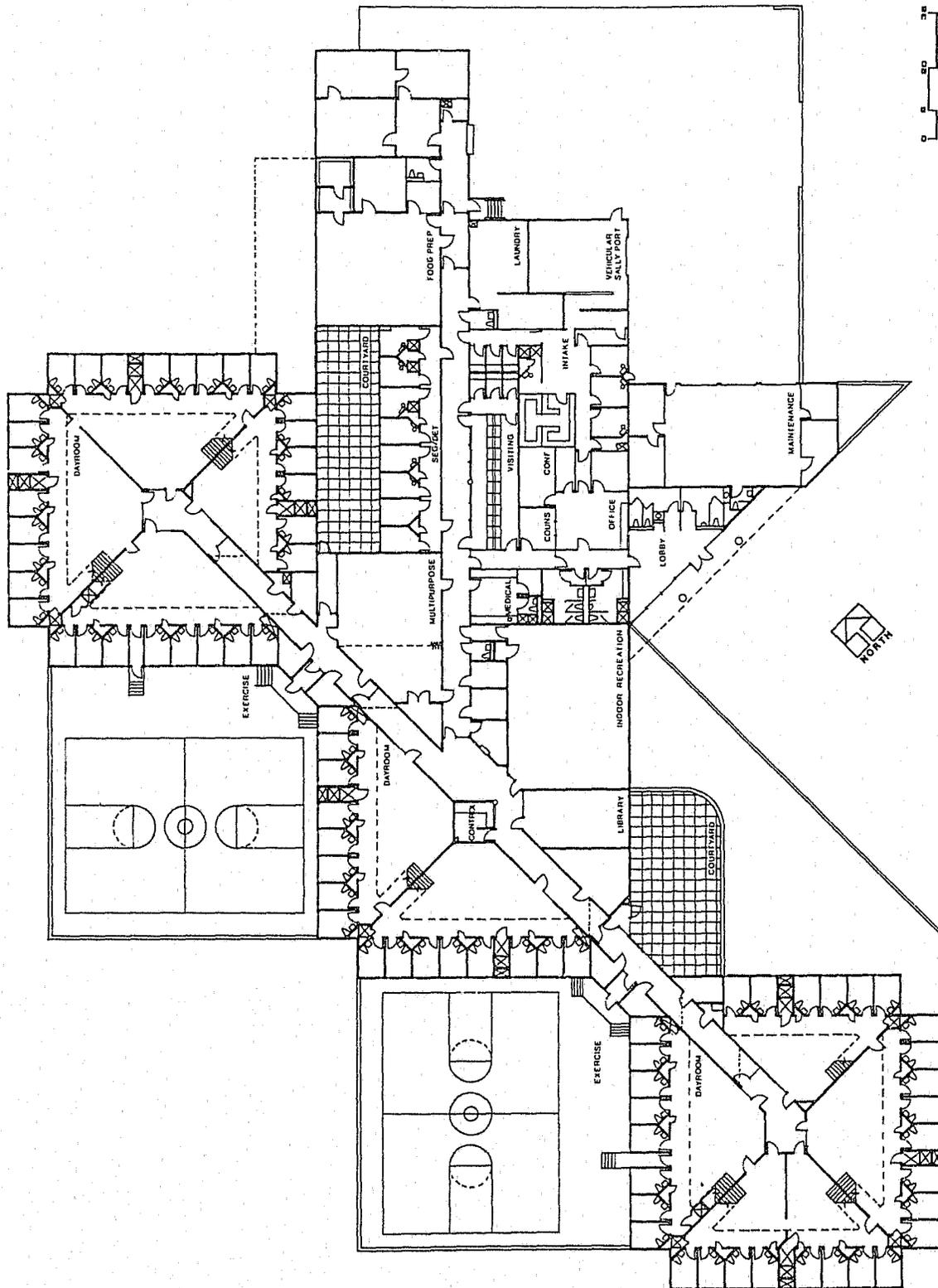
Cochise County, Bisbee

**Contact:** Chief Deputy Dale Lehman, Cochise County Jail, Post Office Drawer F, Bisbee, AZ 85603, 602-432-2267

**Architect:** Lescher & Mahoney, Inc., 1130 East Missouri, Suite 850, Phoenix, AZ 85014, 602-264-6803

**Construction manager:** Reese-Carr, 4350 East Camelback, 160-C Camelsquare, Phoenix, AZ 85018, 602-952-8171

<p><b>Groundbreaking:</b> November 1983 <b>Finish date:</b> June 1985 <b>Construction time:</b> 19 months</p>	<p><b>Design capacity:</b> 162 <b>Total cost:</b> \$4,248,400 <b>Total annual operating costs:</b> \$847,531</p>	<p><b>Category:</b> New, independent facility <b>Facility type:</b> County jail <b>Building configuration:</b> Integrated structure</p>
<p><b>Costs</b></p> <p>Total: \$4,248,400 Building only: \$3,855,400 Housing area: \$3,600,000 Housing per inmate: \$22,500 Housing per cell: \$22,500 Total per inmate: \$26,225 Total per GSF: \$89.59 Total annual operating costs: \$847,531</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 47,420 Gross square feet/other: 0 Gross square feet/total: 47,420 Housing area square feet: 42,000 Gross square feet per inmate: 293 Size of cells: 80 square feet (single) Net/gross square feet: 89%</p> <p><b>Construction type</b></p> <p>Structural: Load bearing CMU Exterior walls: CMU block; precast concrete roof Interior walls: CIP concrete; CMU block; reinf. mas. walls; conc. mez. slabs; floor slabs Exterior surface/facade: Brick; textured concrete</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod Cells per unit: 8 to 16 Inmates per unit: 8 to 16 Management type: Intermittent surveillance October 1985 population: 150 Facility commitment: Local jail inmates Means to handle crowding: N/A</p>
<p><b>Security</b></p> <p>Perimeter: Alarm/detection system Inmate security level: Maximum: 0 Medium: 100% Minimum: 0</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 160 Double occupancy: 0 Dorms: 0 Other: 0 Special housing: 2 General population: 160 Total: 162</p> <p><b>Current staff</b></p> <p>Full-time equivalent: Administration: 7 Security: 23 Programs/treatment: 1 Maintenance: 7 Total: 38 Current inmate/staff ratio: 3.95:1</p>	<p><b>Construction process</b></p> <p>Finance method: G.O. Bonds Contract method: Conventional Use of inmate labor: None Use of prefabrication: Limited, precast concrete tees at roof</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel Doors/type: Swinging Doors/locking: Manual and remote locking Floor surface: Vinyl composition tile Intercom: Two-way between sallyport and control room HVAC: Air conditioning; solar; conv./elect. heating plant Plumbing: China Furniture: Steel Fire protection: Smoke detectors for cells and common areas</p>		<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs: Positive: Good competition, favorable market; quality of bidding documents Negative: None</p> <p>Factors affecting time schedule: Positive: Local bond issue; condition of existing county jail Negative: Financial condition of the low bidder</p>



# Federal Correctional Institution

Responsible official: Warden Peter M. Carlson

Arizona

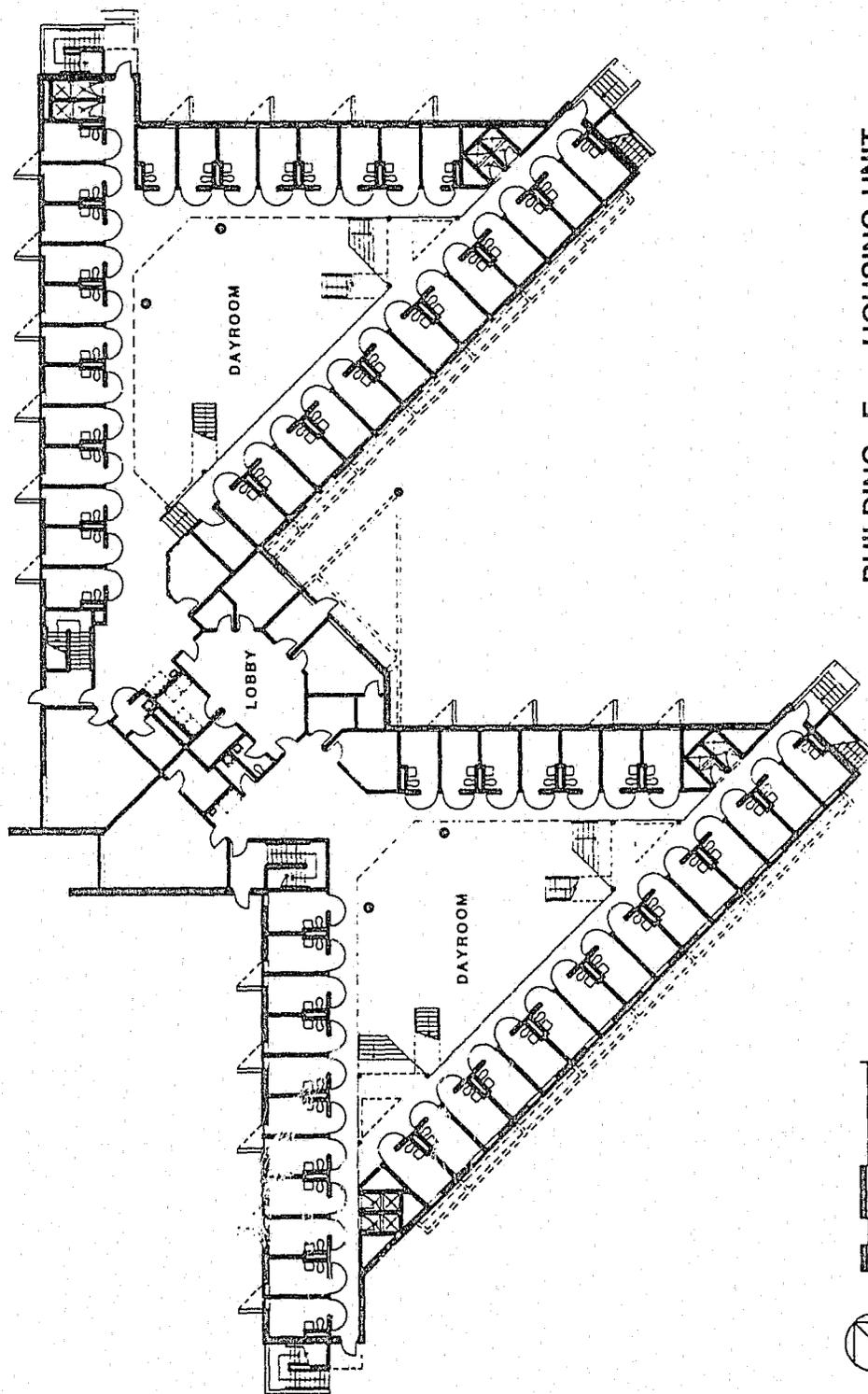
Phoenix

**Contact:** Warden Peter M. Carlson, Federal Correctional Institution, P.O. Box 1680, Black Canyon Stage I, Phoenix, AZ 85029, 602-256-0924

**Architect:** Lescher & Mahoney, Inc., 1130 East Missouri, Suite 850, Phoenix, AZ 85014, 602-264-6803

**Construction manager:** None

<p><b>Groundbreaking:</b> November 1983  <b>Finish date:</b> June 1985  <b>Construction time:</b> 19 months</p>	<p><b>Design capacity:</b> 575  <b>Total cost:</b> \$21,035,950  <b>Total annual operating costs:</b> \$6,877,000</p>	<p><b>Category:</b> New, independent facility  <b>Facility type:</b> Federal prison  <b>Building configuration:</b> Campus style</p>
<p><b>Costs</b></p> <p>Total: \$21,035,950          Building only: \$16,059,500          Housing area: \$6,581,000          Housing per inmate: \$11,566          Housing per cell: \$11,566          Total per inmate: \$36,584          Total per GSF: \$68.05          Total annual operating costs: \$6,877,000</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 309,126          Gross square feet/other: 0          Gross square feet/total: 309,126          Housing area square feet: 127,272          Gross square feet per inmate: 538          Size of cells: 81 square feet (single)          Net/gross square feet: 84%</p> <p><b>Construction type</b></p> <p>Structural: Load bearing masonry; precast roof system and floor planks          Exterior walls: Brick/block          Interior walls: Brick/block          Exterior surface/facade: Brick; textured concrete</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod          Cells per unit: 132 module/66 pod          Inmates per unit: 132 module/66 pod          Management type: Direct supervision          October 1985 population: 268          Facility commitment: Federal prisoners          Means to handling crowding: Bunk beds in cell</p>
<p><b>Security</b></p> <p>Perimeter: Double fence; razor wire on and between fences; alarm/detection system          Inmate security level:          Maximum: 0          Medium: 100%          Minimum: 0</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 569          Double occupancy: 0          Dorms: 0          Other: 0          Special housing: 6          General population: 569          Total: 575</p>	<p><b>Construction process</b></p> <p>Finance method: Federal funds          Contract method: 7 separate phased packages          Use of inmate labor: None          Use of prefabrication: Limited; precast concrete roof tees</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Wooden; steel          Doors/type: Swinging          Doors/locking: Remote locking; manual locking          Floor surface: Carpet; vinyl composition tile          Intercom: Two-way between sallyport and control room          HVAC: Air conditioning; solar; conventional heating plant          Plumbing: China          Furniture: Wood; vinyl/plastic          Fire protection: Smoke detectors for cells</p>	<p><b>Current staff</b></p> <p>Full-time equivalent:          Administration: 31          Security: 100          Programs/treatment: 68          Maintenance: 14          Total: 213          Current inmate/staff ratio: 1.26:1</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs:          Positive: Good competition, favorable market; positive bidding climate; repetition of building types and construction systems; excellent weather conditions          Negative: None</p> <p>Factors affecting time schedule:          Positive: Coordination of design, construction/owner; architect's ability to maintain schedule through 7 fast-tracked bid packages; excellent weather conditions          Negative: None</p>



BUILDING F - HOUSING UNIT  
FIRST FLOOR PLAN

# Metropolitan Correctional Center

Responsible official: Warden Gary L. Henman

Arizona

Tucson

**Contact:** Warden Gary L. Henman, Metropolitan Correctional Center, 8901 South Wilmot Road, Tucson, AZ 85706, 602-294-4404  
**Architect:** Federal Bureau of Prisons, 320 First Street NW., Washington, DC 20534, 202-272-6522  
**Construction manager:** None

<p><b>Groundbreaking:</b> June 1980  <b>Finish date:</b> February 1982  <b>Construction time:</b> 20 months</p>	<p><b>Design capacity:</b> 190  <b>Total cost:</b> \$6,286,707  <b>Total annual operating costs:</b> \$3,824,900</p>	<p><b>Category:</b> New, independent facility  <b>Facility type:</b> Federal prison  <b>Building configuration:</b> Campus style</p>
<p><b>Costs</b></p> <p>Total: \$6,286,707  Building only: \$5,132,174  Housing area: \$2,375,000  Housing per inmate: \$13,268  Housing per cell: \$12,633  Total per inmate: \$33,088  Total per GSF: \$98.72  Total annual operating costs: \$3,824,900</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 63,685  Gross square feet/other: 0  Gross square feet/total: 63,685  Housing area square feet: 43,302  Gross square feet per inmate: 335  Size of cells: 70 square feet (single)  Net/gross square feet: 69%</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod  Cells per unit: 94  Inmates per unit: 89  Management type: Direct supervision  October 1985 population: 380  Facility commitment: Federal prisoners  Means to handle crowding: Bunk beds in cell</p>
<p><b>Security</b></p> <p>Perimeter: Double fence, alarm/detection system; razor wire on and between fences; patrols  Inmate security level:  Maximum: Varies  Medium: Varies  Minimum: Varies</p>	<p><b>Construction type</b></p> <p>Structural: Load bearing precast panels; steel frame; load bearing block  Exterior walls: Precast panels; CIP concrete; CMU block  Interior walls: Precast panels; CIP concrete; CMU block  Exterior surface/facade: Stucco</p> <p><b>Inmate design capacity</b></p> <p>Single occupancy: 179  Double occupancy: 0  Dorms: 0  Other: 0  Special housing: 11  General population: 179  Total: 190</p>	<p><b>Construction process</b></p> <p>Finance method: Federal funds  Contract method: Conventional  Use of inmate labor: None  Use of prefabrication: Limited</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Solid; wooden  Doors/type: Swinging  Doors/locking: Manual locking  Floor surface: Vinyl tile  Intercom: Two-way to common areas  HVAC: Air conditioning; forced air packaged heating unit  Plumbing: China  Furniture: Wood  Fire protection: Smoke detectors for cells and common areas; manual alarm stations; automatic alarm to detectors</p>	<p><b>Current staff</b></p> <p>Full-time equivalent:  Administration: 23  Security: 51  Programs/treatment: 25  Maintenance: 14  Total: 113  Current inmate/staff ratio: 3.36:1</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs:  Positive: Use of prefabricated components; simple construction methods; phased construction; good competition; less expensive materials and hardware; ideal site conditions  Negative: Most of the space was high cost (housing, food preparation, etc.)</p> <p>Factors affecting time schedule:  Positive: Use of prefabricated components; simple construction methods; phased construction; good bidding climate; coordination between owner and contractor  Negative: Slow responses from vendors, suppliers (long lead times for security hardware, etc.)</p>



# Pima County Main Jail

Responsible official: Sheriff Clarence Dupnik

Arizona

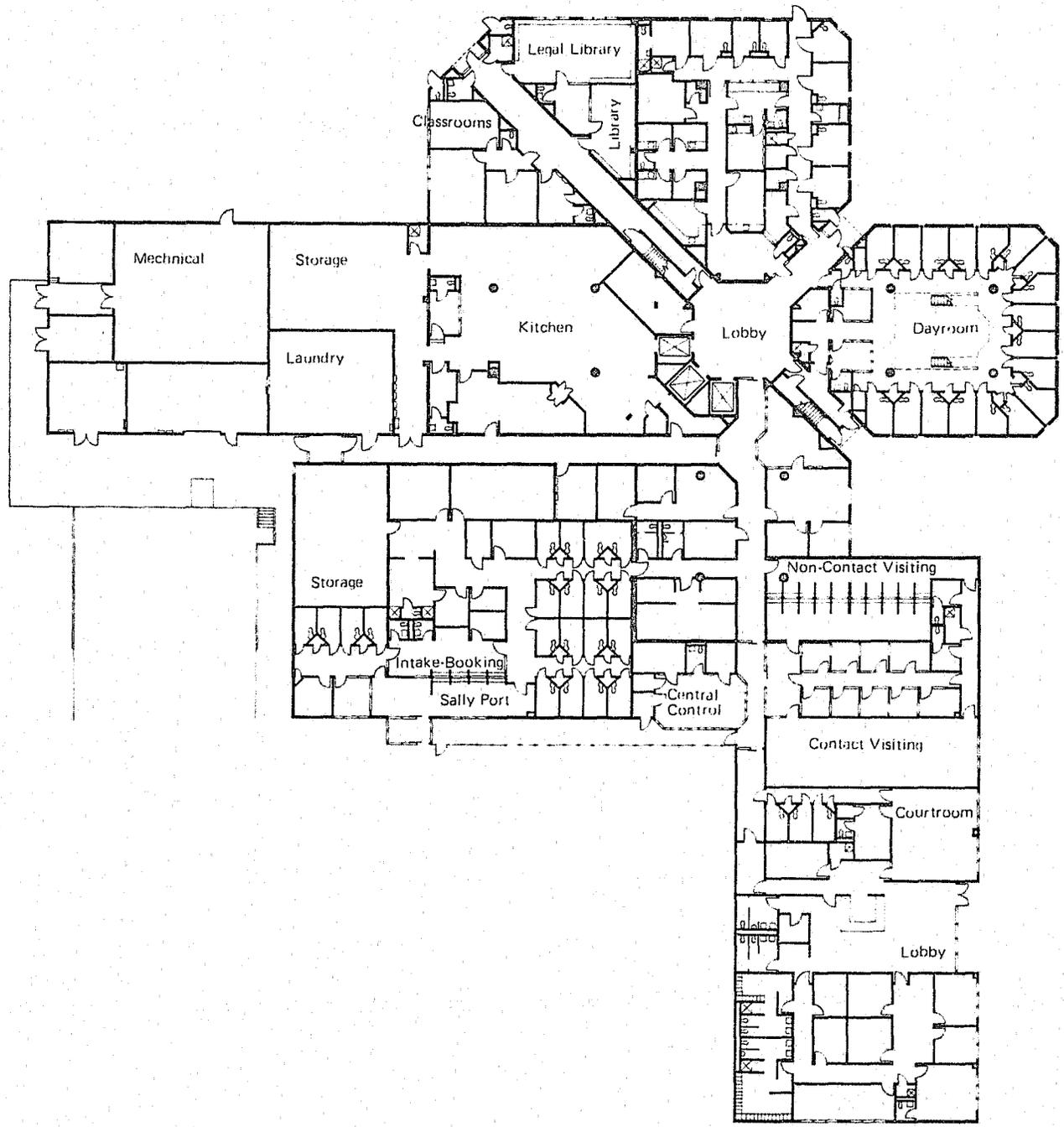
Pima County, Tucson

**Contact:** Major Russ Davis, Pima County Dept. of Corrections, 1270 West Silverlake Road, P.O. Box 910, Tucson, AZ 85713, 602-882-2848

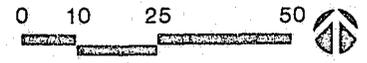
**Architect:** Architecture One, Ltd., 6303 East Tanque Verde, S-200, Tucson, AZ 85715, 602-722-0400

**Construction manager:** Kitchell, CEM, Inc., 1006 South 24th Street, Phoenix, AZ 85034, 602-275-7541

<p><b>Groundbreaking:</b> July 1981  <b>Finish date:</b> July 1984  <b>Construction time:</b> 37 months</p>	<p><b>Design capacity:</b> 499  <b>Total cost:</b> \$14,800,000  <b>Total annual operating costs:</b> \$10,250,000</p>	<p><b>Category:</b> New, independent facility  <b>Facility type:</b> County jail  <b>Building configuration:</b> High rise</p>
<p><b>Costs</b></p> <p>Total: \$14,800,000          Building only: \$14,100,000          Housing area: \$13,200,000          Housing per inmate: \$28,205          Housing per cell: \$28,205          Total per inmate: \$29,659          Total per GSF: \$105.71          Total annual operating costs: \$10,250,000</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 140,000          Gross square feet/other: 0          Gross square feet/total: 140,000          Housing area square feet: 76,999          Gross square feet per inmate: 281          Size of cells: 71 square feet (single)          Net/gross square feet: 80%</p> <p><b>Construction type</b></p> <p>Structural: Cast-in-place concrete frame          Exterior walls: Cast-in-place concrete; CMU block          Interior walls: Cast-in-place concrete; CMU block          Exterior surface/facade: Stucco; paint</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod          Cells per unit: 36          Inmates per unit: 36          Management type: Direct supervision          October 1985 population: 380          Facility commitment: Local jail inmates          Means to handle crowding: Beds in dayroom; second bunk can be attached to wall</p>
<p><b>Security</b></p> <p>Perimeter: Building exterior; double fence; razor wire on and between fences          Inmate security level:          Maximum: 15%          Medium: 85%          Minimum: 0</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 468          Double occupancy: 0          Dorms: 0          Other: 0          Special housing: 31          General population: 468          Total: 499</p> <p><b>Current staff</b></p> <p>Full-time equivalent:          Administration: 53          Security: 240          Programs/treatment: 36          Maintenance: 13          Total: 342          Current inmate/staff ratio: 1.11:1</p>	<p><b>Construction process</b></p> <p>Finance method: G.O. Bonds          Contract method: Conventional          Use of inmate labor: None          Use of prefabrication: None</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel          Doors/type: Swinging          Doors/locking: Remote locking          Floor surface: Carpet; sealed concrete          Intercom: Two-way to common areas          HVAC: Evaporative cooling; boiler          Plumbing: Stainless combination unit          Furniture: Steel; vinyl/plastic          Fire protection: Smoke detectors for cells and common areas; sprinklers for common areas; manual alarm stations</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs:          Positive: Repetitiveness of design; good competition, favorable market; use of cast-in-place concrete          Negative: Government procedures, regulations, "red tape"; complex security electronics systems</p> <p>Factors affecting time schedule:          Positive: Repetitiveness of design; owner and architect had onsite representation          Negative: Use of cast-in-place concrete; special design of cell light fixtures; government procedures, regulations, "red tape"; complex security electronics systems</p>	



First Floor Plan



# Pima County Main Jail (Addition)

Responsible official: Sheriff Clarence Dupnik

Arizona

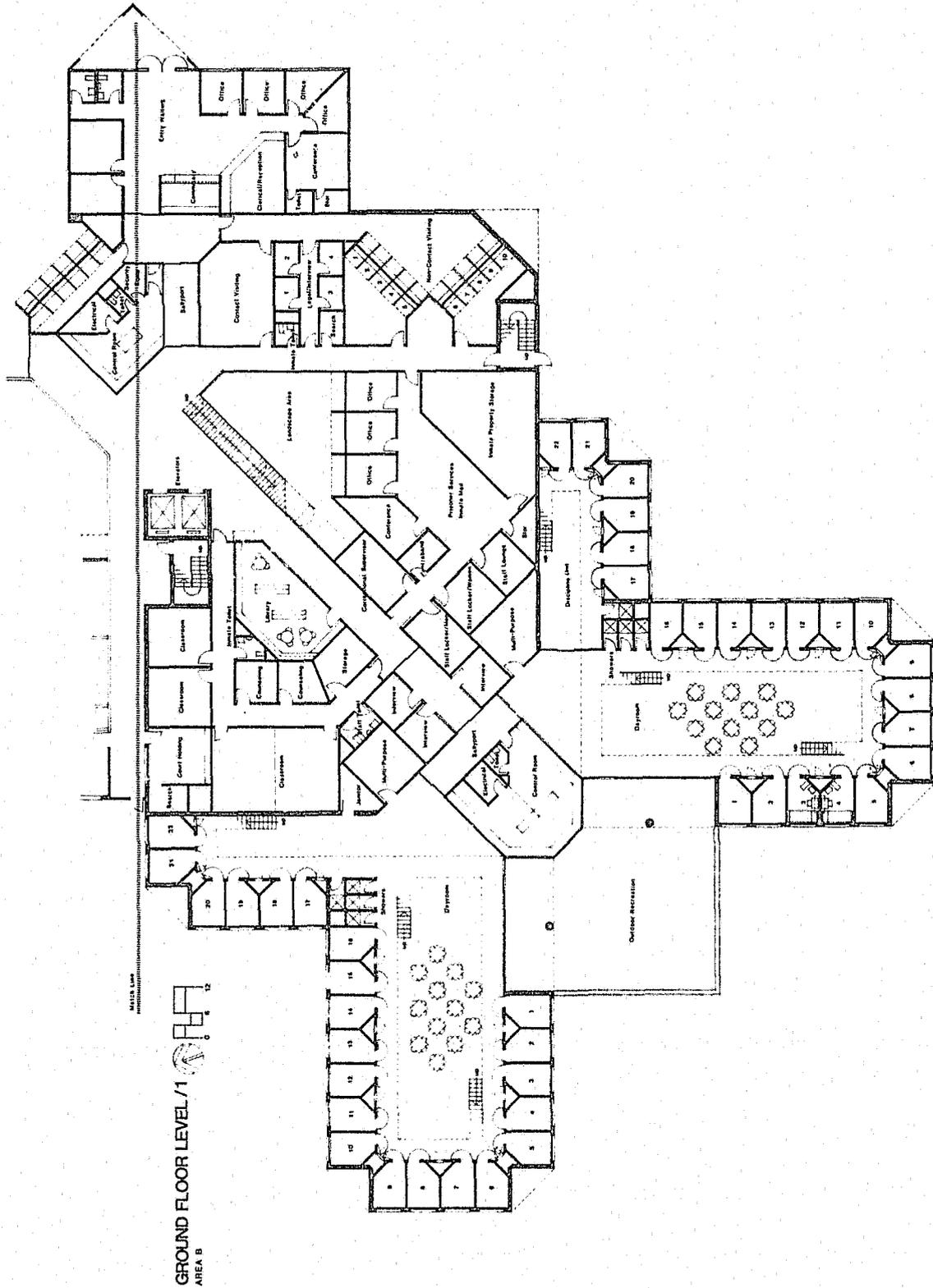
Pima County, Tucson

**Contact:** Major Russ Davis, Pima County Dept. of Corrections, 1270 West Silverlake Road, P.O. Box 910, Tucson, AZ 85713, 602-882-2848

**Architect:** Architecture One, Ltd., 6303 East Tanque Verde, S-200, Tucson, AZ 85715, 602-722-0400

**Construction manager:** Reese-Carr, 4350 East Camelback, 160 C Camel Square, Phoenix, AZ 85018, 602-952-8171

<p><b>Groundbreaking:</b> July 1984 <b>Finish date:</b> August 1986 <b>Construction time:</b> 25 months</p>	<p><b>Design capacity:</b> 282 <b>Total cost:</b> \$8,400,000 <b>Total annual operating costs:</b> \$4,200,615 (addition only)</p>	<p><b>Category:</b> New, ancillary building <b>Facility type:</b> County jail <b>Building configuration:</b> Wheel</p>
<p><b>Costs</b></p> <p>Total: \$8,400,000 Building only: \$7,900,000 Housing area: \$7,000,000 Housing per inmate: \$26,415 Housing per cell: \$55,118 Total per inmate: \$29,787 Total per GSF: \$102.43 Total annual operating costs: \$4,200,615 (addition only)</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 82,000 Gross square feet/other: 0 Gross square feet/total: 82,000 Housing area square feet: 33,273 Gross square feet per inmate: 291 Size of cells: 71 square feet (single) Net/gross square feet: 83%</p> <p><b>Construction type</b></p> <p>Structural: Cast-in-place concrete frame Exterior walls: Cast-in-place concrete; CMU block Interior walls: Cast-in-place concrete; CMU block Exterior surface/facade: Stucco; paint</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod Cells per unit: 48 Inmates per unit: 48 Management type: Direct supervision October 1985 population: N/A Facility commitment: Local jail inmates Means to handle crowding: Beds in dayroom</p>
<p><b>Security</b></p> <p>Perimeter: Building exterior only Inmate security level: Maximum: 0 Medium: 45% Minimum: 55%</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 121 Double occupancy: 0 Dorms: 144 Other: 0 Special housing: 17 General population: 265 Total: 282</p> <p><b>Current staff</b></p> <p>Full-time equivalent: Administration: 5 Security: 56 Programs/treatment: 13 Maintenance: 3 Total: 77 (addition only) Current inmate/staff ratio: N/A</p>	<p><b>Construction process</b></p> <p>Finance method: G.O. Bonds Contract method: Conventional Use of inmate labor: None Use of prefabrication: None</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel Doors/type: Swinging Doors/locking: Remote locking Floor surface: Carpet; sealed concrete Intercom: Two-way to cells and common areas HVAC: Evaporative cooling; boiler Plumbing: China Furniture: Steel; vinyl/plastic Fire protection: Smoke detectors for cells and common areas; sprinklers for common areas; manual alarm stations</p>		<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs: Positive: Repetitiveness of design; less expensive materials and hardware; use of cast-in-place concrete Negative: Slow construction, lengthy building time; compact site; government procedures, regulations, "red tape"</p> <p>Factors affecting time schedule: Positive: Repetitiveness of design Negative: Labor problems; complex electronic, mechanical, and electrical systems</p>



# Cummins Unit—Medium Security (Addition)

Arkansas

Responsible official: Warden W.H. Sargent

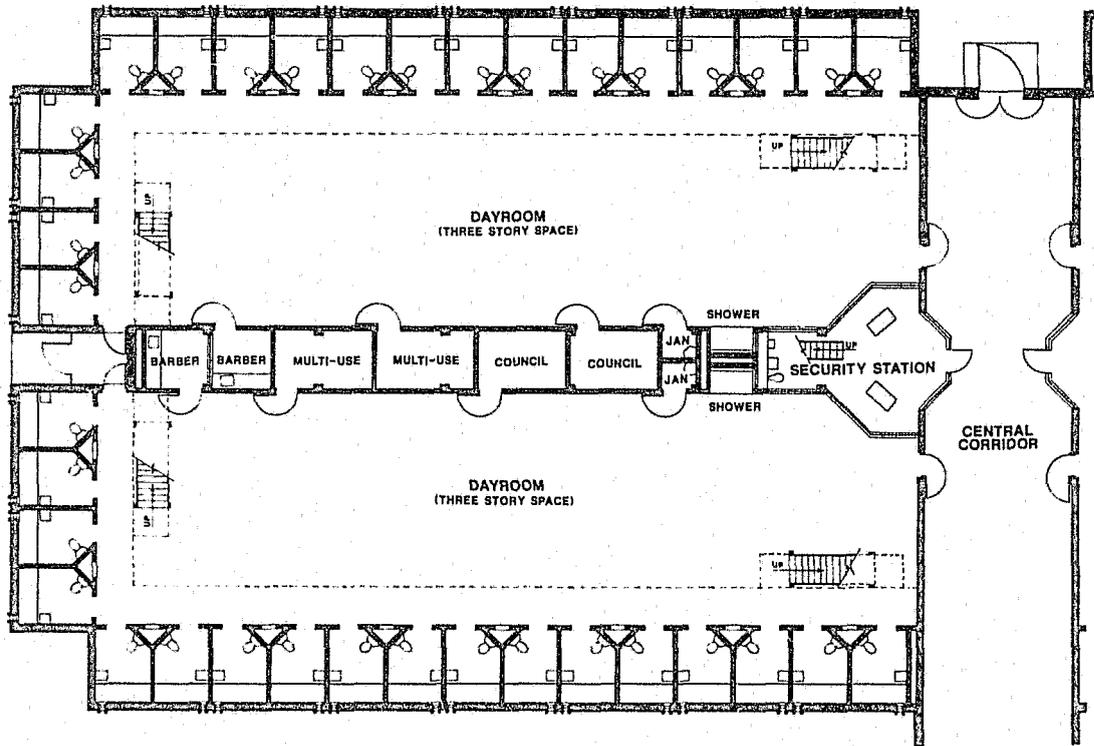
Grady

**Contact:** Warden W.H. Sargent, Cummins Unit, Arkansas Department of Corrections, P.O. Box 500, Grady, AR 71644, 501-479-3311

**Architect:** Wittenberg, Delony & Davidson, Inc., 840 Savers Federal Building, Little Rock, AR 72201, 501-376-6681

**Construction manager:** Con-Ark Construction Company, 610 Garland Street, Little Rock, AR 72201, 501-376-1371

<p><b>Groundbreaking:</b> December 1977  <b>Finish date:</b> April 1979  <b>Construction time:</b> 17 months</p>	<p><b>Design capacity:</b> 184  <b>Total cost:</b> \$2,174,184  <b>Total annual operating costs:</b> \$600,586 (addition only)</p>	<p><b>Category:</b> New, ancillary building; expansion project  <b>Facility type:</b> State prison  <b>Building configuration:</b> Telephone pole connecting housing pods</p>
<p><b>Costs</b></p> <p>Total: \$2,174,184          Building only: N/A          Housing area: N/A          Housing per inmate: N/A          Housing per cell: N/A          Total per inmate: \$11,816          Total per GSF: \$56.21          Total annual operating costs: \$600,586 (addition only)</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 38,680          Gross square feet/other: 0          Gross square feet/total: 38,680          Housing area square feet: N/A          Gross square feet per inmate: 210          Size of cells: 70 square feet (single)          Net/gross square feet: N/A</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod          Cells per unit: 92          Inmates per unit: 92          Management type: Remote surveillance          October 1985 population: 368          Facility commitment: State prisoners          Means to handle crowding: Second bunk permanently attached to wall</p>
<p><b>Security</b></p> <p>Perimeter: Double fence          Inmate security level:              Maximum: 0              Medium: 100%              Minimum: 0</p>	<p><b>Construction type</b></p> <p>Structural: Load bearing precast panels          Exterior walls: Precast panels          Interior walls: Precast panels          Exterior surface/facade: Textured concrete</p>	<p><b>Construction process</b></p> <p>Finance method: State funds          Contract method: Conventional          Use of inmate labor: None          Use of prefabrication: Moderate, precast concrete wall panels</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel          Doors/type: Swinging          Doors/locking: Manual locking          Floor surface: Sealed concrete          Intercom: Two-way to common areas          HVAC: Air conditioning          Plumbing: Stainless          Furniture: Steel          Fire protection: Smoke detectors for cells and common areas; manual alarm stations</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 184          Double occupancy: 0          Dorms: 0          Other: 0          Special housing: 0          General population: 184          Total: 184</p> <p><b>Current staff</b></p> <p>Full-time equivalent:              Administration: 3              Security: 42              Programs/treatment: 6              Maintenance: 3              Total: 54 (addition only)          Current inmate/staff ratio: 6.81:1</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs:          Positive: Use of prefabricated components, factory assembly; simple construction methods, repetitiveness of design; less expensive materials and hardware          Negative: Building within existing prison compound</p> <p>Factors affecting time schedule:          Positive: Use of prefabricated components, factory assembly; simple construction methods          Negative: None</p>



TYPICAL 108 BED HOUSING UNIT

SCALE

# Maximum Security Facility, Tucker Unit

Responsible official: Warden Larry Norris

Arkansas

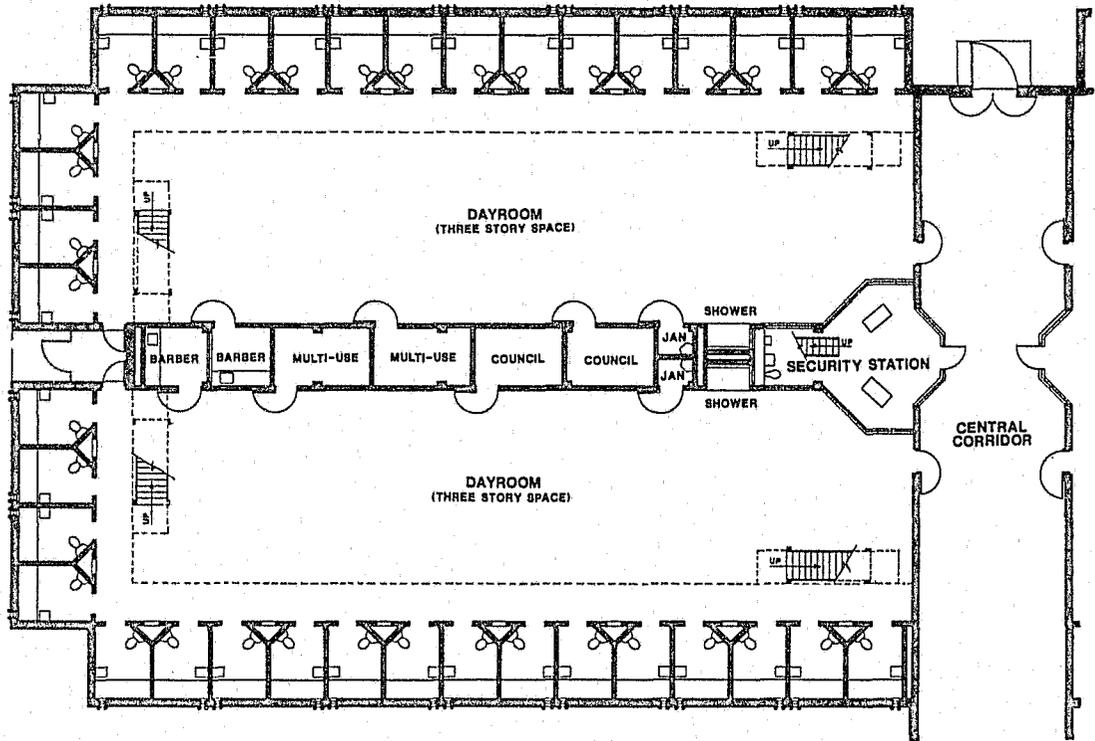
Tucker

**Contact:** Warden Larry Norris, Maximum Security Facility, General Delivery, Tucker, AR 75152, 501-541-0040

**Architect:** Wittenberg, Delony & Davidson, Inc., 840 Savers Federal Building, Little Rock, AR 72201, 501-376-6681

**Construction manager:** None

<p><b>Groundbreaking:</b> December 1981 <b>Finish date:</b> February 1986 <b>Construction time:</b> 50 months</p>	<p><b>Design capacity:</b> 492 <b>Total cost:</b> \$10,694,000 <b>Total annual operating costs:</b> \$4,034,006</p>	<p><b>Category:</b> New, independent facility <b>Facility type:</b> State prison <b>Building configuration:</b> Ladder, telephone pole</p>
<p><b>Costs</b></p> <p>Total: \$10,694,000 Building only: N/A Housing area: \$4,800,000 Housing per inmate: \$11,111 Housing per cell: \$11,111 Total per inmate: \$21,736 Total per GSF: \$64.11 Total annual operating costs: \$4,034,006</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 166,816 Gross square feet/other: 0 Gross square feet/total: 166,816 Housing area square feet: 96,044 Gross square feet per inmate: 339 Size of cells: 70 square feet (single) Net/gross square feet: N/A</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod Cells per unit: 54 Inmates per unit: 54 Management type: Remote surveillance October 1985 population: 300 Facility commitment: State prisoners Means to handle crowding: None</p>
<p><b>Security</b></p> <p>Perimeter: Double fence; razor wire on fence; towers; patrols Inmate security level: Maximum: 100% Medium: 0 Minimum: 0</p>	<p><b>Construction type</b></p> <p>Structural: Load bearing masonry and precast concrete floor panels Exterior walls: Brick Interior walls: Precast panels; CMU block Exterior surface/facade: Brick</p>	<p><b>Construction process</b></p> <p>Finance method: State funds Contract method: Conventional; owner build/inmate labor Use of inmate labor: Extensive for additional areas Use of prefabrication: Limited</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel Doors/type: Sliding Doors/locking: Motor driven and remote locking Floor surface: Sealed concrete Intercom: Two-way to common areas HVAC: Air conditioning; gas-fired boiler Plumbing: Stainless combination unit Furniture: Steel Fire protection: Smoke detectors for cells and common areas; manual alarm stations</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 432 Double occupancy: 0 Dorms: 0 Other: 0 Special housing: 60 General population: 432 Total: 492</p> <p><b>Current staff</b></p> <p>Full-time equivalent: Administration: 26 Security: 107 Programs/treatment: 9 Maintenance: 7 Total: 149 Current inmate/staff ratio: 2.01:1</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs: Positive: Use of inmate labor; owner-constructed exterior utilities Negative: None</p> <p>Factors affecting time schedule: Positive: Phased construction Negative: None</p>



TYPICAL 108 BED HOUSING UNIT

SCALE

# Alameda County Detention Center

Responsible official: Sheriff Glen E. Dyer

California

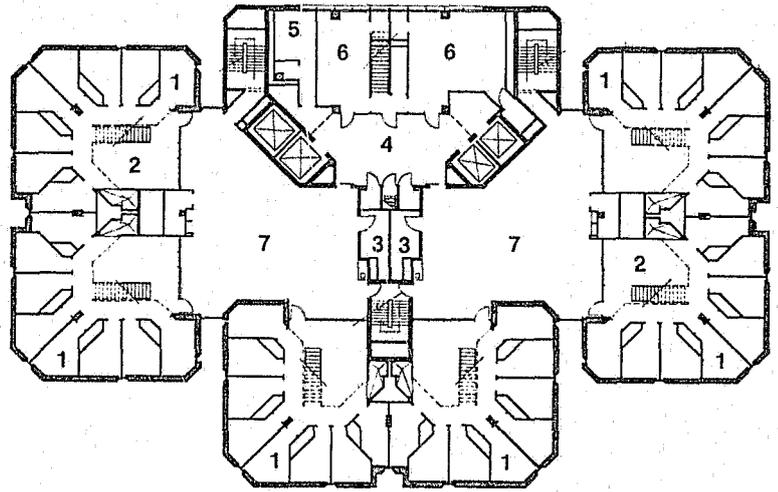
Alameda County, Oakland

**Contact:** Captain W. Tucker, Jail Commander, Alameda County Detention Center, 1225 Sallon Street, Oakland, CA 94612, 415-814-5240

**Architect:** Hellmuth, Obata & Kassabaum, Inc., One Lombard Street, San Francisco, CA 94111, 415-627-1600

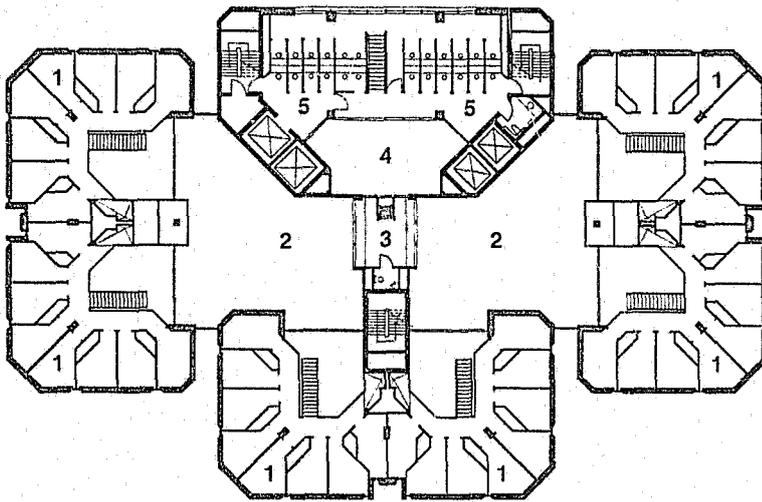
**Construction manager:** None

<p><b>Groundbreaking:</b> May 1978 <b>Finish date:</b> July 1984 <b>Construction time:</b> 74 months</p>	<p><b>Design capacity:</b> 596 <b>Total cost:</b> \$23,000,000 <b>Total annual operating costs:</b> \$10,637,099</p>	<p><b>Category:</b> New, independent facility <b>Facility type:</b> County jail <b>Building configuration:</b> Integrated structure; high rise; clusters</p>
<p><b>Costs</b></p> <p>Total: \$23,000,000 Building only: \$22,000,000 Housing area: \$15,000,000 Housing per inmate: \$26,042 Housing per cell: \$26,042 Total per inmate: \$38,591 Total per GSF: \$110.58 Total annual operating costs: \$10,637,099</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 208,000 Gross square feet/other: 0 Gross square feet/total: 208,000 Housing area square feet: 144,000 Gross square feet per inmate: 349 Size of cells: 71 square feet (single) Net/gross square feet: Unknown</p> <p><b>Construction type</b></p> <p>Structural: Cast-in-place concrete frame Exterior walls: Cast-in-place concrete Interior walls: Gunitite Exterior surface/facade: Unknown</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod Cells per unit: 48 Inmates per unit: 48 Management type: Remote surveillance; direct supervision October 1985 population: 576 Facility commitment: Local jail inmates; State prisoners Means to handle crowding: Bunk beds in cell; second bunk attached to wall</p>
<p><b>Security</b></p> <p>Perimeter: Building exterior only Inmate security level: Maximum: 16.5% Medium: 67% Minimum: 16.5%</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 576 Double occupancy: 0 Dorms: 0 Other: 0 Special housing: 20 General population: 576 Total: 596</p>	<p><b>Construction process</b></p> <p>Finance method: Local funds Contract method: Conventional Use of inmate labor: None Use of prefabrication: None</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel Doors/type: Swinging Doors/locking: Remote locking only Floor surface: Sealed concrete Intercom: One-way to cells; two-way to common areas HVAC: Heating/air circulation only Plumbing: Stainless steel Furniture: Concrete Fire protection: Smoke detectors for cells</p>	<p><b>Current staff</b></p> <p>Full-time equivalent: Administration: 70 Security: 158 Programs/treatment: 22 Maintenance: 20 Total: 270 Current inmate/staff ratio: 2.13:1</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs: Positive: Efficiency of area/bed plan; extensive value engineering Negative: Slow construction, lengthy building time</p> <p>Factors affecting time schedule: Positive: None Negative: Performance of contractors</p>



**Typical Housing Level**

- 1 Cell
- 2 Dayroom
- 3 Counselor
- 4 Sally Port
- 5 Medical
- 6 Multi-purpose
- 7 Exercise/Dining

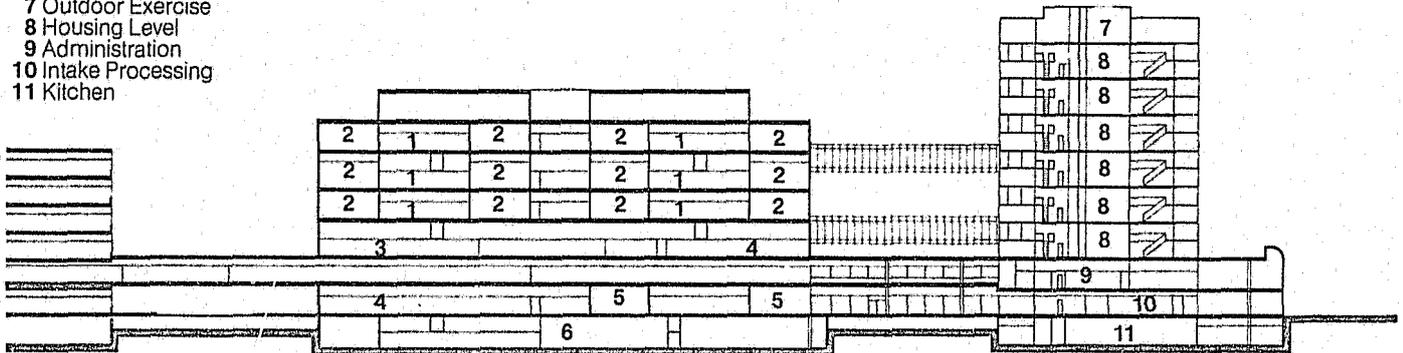


**Typical Mezzanine Level**

- 1 Cell
- 2 Dayroom Below
- 3 Control
- 4 Sally Port Below
- 5 Visiting

**Section**

- 1 Support
- 2 Courtroom
- 3 Jury Assembly
- 4 Municipal Offices
- 5 Traffic Court
- 6 Security Courts
- 7 Outdoor Exercise
- 8 Housing Level
- 9 Administration
- 10 Intake Processing
- 11 Kitchen



# Contra Costa County Detention Facility

Responsible official: Sheriff Richard Rainey

California

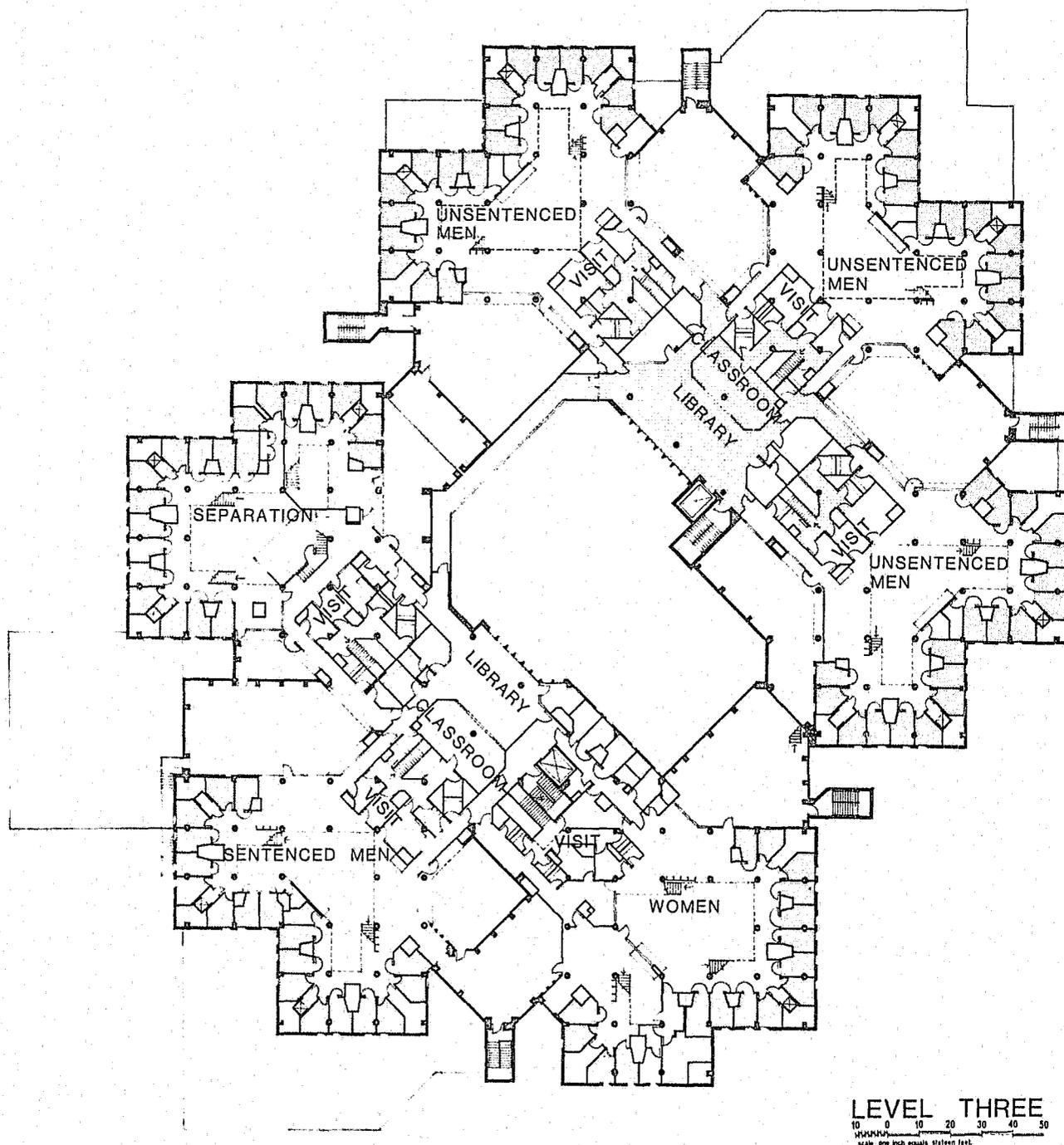
Contra Costa County, Martinez

**Contact:** Larry Ard, Chief Deputy, Contra Costa County Detention Facility, 1000 Ward Street, Martinez, CA 94553, 415-372-4497

**Architect:** Kaplan/McLaughlin/Diaz, 222 Vallejo Street, San Francisco, CA 94111, 415-398-5191

**Construction manager:** Turner Construction Company, 353 Sacramento Street, San Francisco, CA 94111, 415-391-1310

<p><b>Groundbreaking:</b> September 1977  <b>Finish date:</b> December 1980  <b>Construction time:</b> 39 months</p>	<p><b>Design capacity:</b> 386  <b>Total cost:</b> \$24,705,000  <b>Total annual operating costs:</b> \$8,736,000</p>	<p><b>Category:</b> New, independent facility  <b>Facility type:</b> Complex: county jail, courts  <b>Building configuration:</b> Integrated structure; courtyard; clusters</p>
<p><b>Costs</b></p> <p>Total: \$24,705,000          Building only: \$19,428,000          Housing area: Unknown          Housing per inmate: Unknown          Housing per cell: Unknown          Total per inmate: N/A (complex)          Total per GSF: \$136.31          Total annual operating costs: \$8,736,000</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 170,790          Gross square feet/other: 10,450          Gross square feet/total: 181,240          Housing area square feet: 77,410          Gross square feet per inmate: 442          Size of cells: 70 square feet (single)          Net/gross square feet: 62%</p> <p><b>Construction type</b></p> <p>Structural: Steel frame          Exterior walls: Precast panels; CIP concrete; CMU block; architectural precast          Interior walls: Precast panels; CIP concrete; CMU block          Exterior surface/facade: Textured concrete</p> <p><b>Inmate design capacity</b></p> <p>Single occupancy: 305          Double occupancy: 0          Dorms: 0          Other: 0          Special housing: 81          General population: 305          Total: 386</p> <p><b>Current staff</b></p> <p>Full-time equivalent:          Administration: 42          Security: 97          Programs/treatment: 35          Maintenance: 10          Total: 184          Current inmate/staff ratio: 3.11:1</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod          Cells per unit: 46          Inmates per unit: 46          Management type: Direct supervision          October 1985 population: 573          Facility commitment: Local jail inmates, State prisoners          Means to handle crowding: Mattresses on floor; beds in dayroom; second bunk attached to wall</p> <p><b>Construction process</b></p> <p>Finance method: Revenue sharing 75%; property tax override 25%          Contract method: Construction management fast track          Use of inmate labor: None          Use of prefabrication: Limited; precast concrete wall panels</p>
<p><b>Security</b></p> <p>Perimeter: Building exterior only          Inmate security level:          Maximum: 32%          Medium: 68%          Minimum: 0</p>	<p><b>Inmate cells</b></p> <p>Doors/material: Solid; metal—baffled          Doors/type: Swinging          Doors/locking: Remote locking with manual override          Floor surface: Carpet          Intercom: Two-way to common areas (discipline housing)          HVAC: Air conditioning          Plumbing: China          Furniture: Wood          Fire protection: Smoke detectors and sprinklers for cells and common areas</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs:          Positive: Less expensive materials and hardware          Negative: Slow construction, lengthy building time; high labor costs; complex electronic, mechanical, and electrical systems</p> <p>Factors affecting time schedule:          Positive: Use of prefabricated components, factory assembly          Negative: Labor problems; complex electronic, mechanical, and electrical systems; building too complex for fast track construction</p>



# Lacy Security Facility (Addition)

Responsible official: Sheriff Brad Gates

California

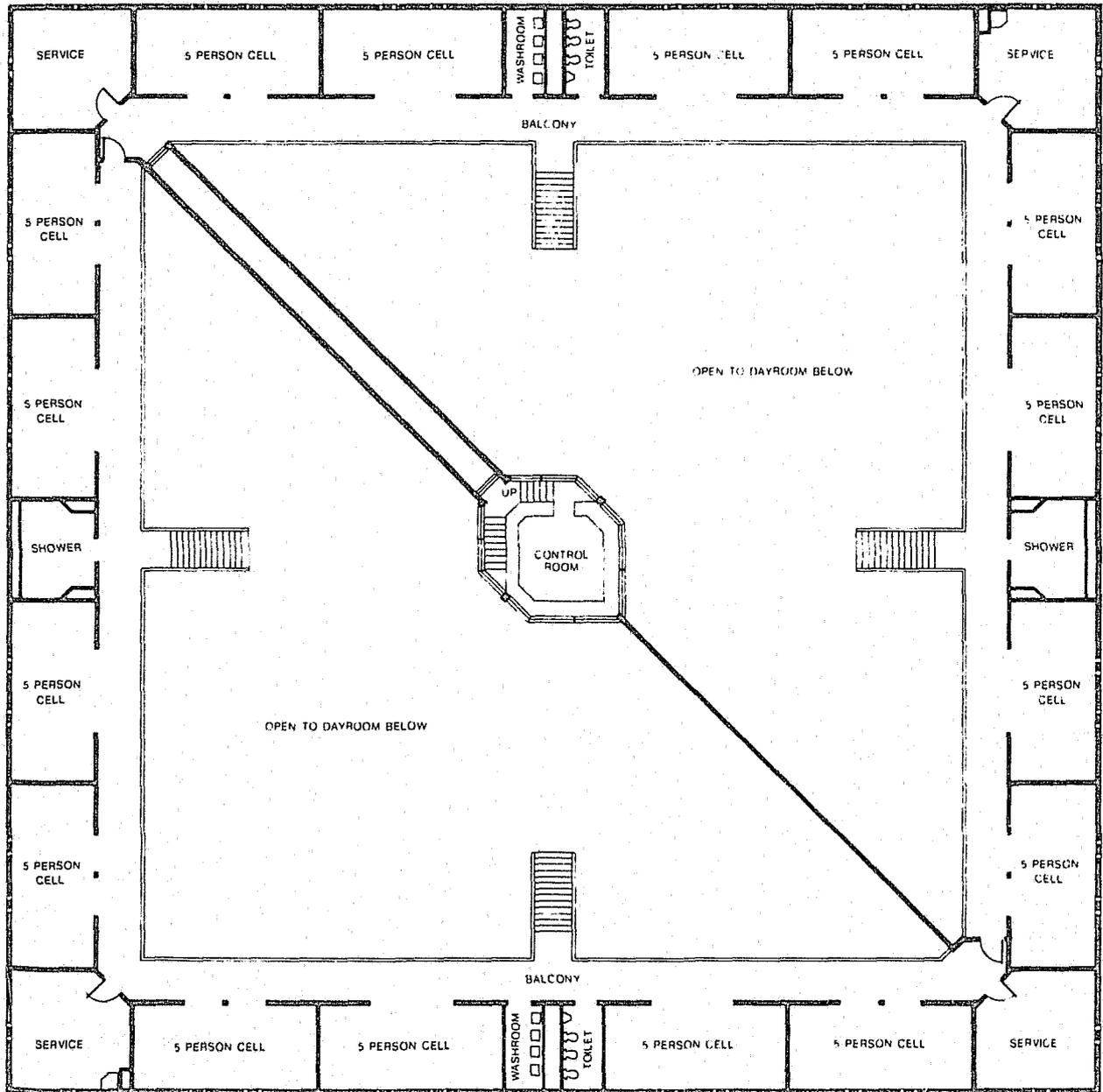
Orange County

**Contact:** Sheriff Brad Gates, Orange County, Box 449, Santa Ana, CA 92202, 714-834-3012

**Architect:** Ralph Allen and Partners, 520 North Main Street, Suite 200, Santa Ana, CA 92701, 714-547-7059

**Construction manager:** Kitchell CEM, Inc., 501 J Street, Suite 630, Sacramento, CA 95814, 916-442-3779

<p><b>Groundbreaking:</b> August 1985 <b>Finish date:</b> March 1986 <b>Construction time:</b> 7 months</p>	<p><b>Design capacity:</b> 180 <b>Total cost:</b> \$2,350,000 <b>Total annual operating costs:</b> \$1,195,815 (addition only)</p>	<p><b>Category:</b> New, ancillary building <b>Facility type:</b> County jail <b>Building configuration:</b> Integrated structure</p>
<p><b>Costs</b></p> <p>Total: \$2,350,000 Building only: \$2,150,000 Housing area: \$2,350,000 Housing per inmate: \$13,056 Housing per cell: \$73,437 (dorm) Total per inmate: \$13,056 Total per GSF: \$72.24 Total annual operating costs: \$1,195,815 (addition only)</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 32,529 Gross square feet/other: 0 Gross square feet/total: 32,529 Housing area square feet: 32,529 Gross square feet per inmate: 181 Size of cells: 465 and 315 square feet (dorms) Net/gross square feet: Unknown</p> <p><b>Construction type</b></p> <p>Structural: Steel frame; tilt-up concrete panels Exterior walls: Tilt-up concrete panels Interior walls: CMU block Exterior surface/facade: Textured concrete</p> <p><b>Inmate design capacity</b></p> <p>Single occupancy: 0 Double occupancy: 0 Dorms: 180 Other: 0 Special housing: 0 General population: 180 Total: 180</p> <p><b>Current staff</b></p> <p>Full-time equivalent: Administration: N/A Security: 10 Programs/treatment: 1 Maintenance: N/A Total: 11 (addition only) Current inmate/staff ratio: 16.36:1</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod Cells per unit: 32 dorms Inmates per unit: 32 Management type: Remote surveillance; patrols October 1985 population: 180 Facility commitment: Local jail inmates Means to handle crowding: Bunk beds in cell; beds in dayroom</p> <p><b>Construction process</b></p> <p>Finance method: Local funds Contract method: Conventional; construction management Use of inmate labor: None Use of prefabrication: Yes, extensive; tilt-up concrete panels</p> <p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs: Positive: Use of prefabricated components Negative: None</p> <p>Factors affecting time schedule: Positive: Use of prefabricated components; advanced order of materials and hardware; coordination of design, construction/owner Negative: None</p>
<p><b>Security</b></p> <p>Perimeter: Building exterior; single fence; alarm/detection system; razor wire on fence Inmate security level: Maximum: 0 Medium: Use, 100% Minimum: Design, 100%</p>		
<p><b>Inmate cells</b></p> <p>Doors/material: None (open dorms) Doors/type: N/A Doors/locking: N/A Floor surface: Sealed concrete; epoxy coating; carpet Intercom: None HVAC: Air conditioning; heating Plumbing: Stainless steel Furniture: Steel Fire protection: Smoke detectors and sprinklers for cells and common areas; manual alarm stations</p>		



# Nevada County Restitution Center (Remodel)

Responsible official: Sheriff William L. Heafey

California

Nevada County, Nevada City

**Contact:** Sergeant Bob Hammill, Facility Manager, Nevada County Detention Center, 10433 Willow Valley Road, Nevada City, CA 95959, 916-265-9061

**Architect:** Patrick Sullivan Associates, 542 High Street, Palo Alto, CA 94301, 415-327-2490

**Construction manager:** None

<p><b>Groundbreaking:</b> March 1985 <b>Finish date:</b> November 1985 <b>Construction time:</b> 8 months</p>	<p><b>Design capacity:</b> 48 <b>Total cost:</b> \$221,416 <b>Total annual operating costs:</b> \$387,000</p>	<p><b>Category:</b> Remodel/renovation <b>Facility type:</b> Restitution center of main jail <b>Building configuration:</b> Integrated structure</p>
<p><b>Costs</b></p> <p>Total: \$221,416 Building only: Unknown Housing area: \$64,210 Housing per inmate: \$1,338 Housing per cell: \$3,777 Total per inmate: N/A (remodel) Total per GSF: \$20.83 Total annual operating costs: \$387,000</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 10,632 Gross square feet/other: 0 Gross square feet/total: 10,632 Housing area square feet: 3,115 Gross square feet per inmate: 221 Size of cells: Unknown Net/gross square feet: Unknown</p> <p><b>Construction type</b></p> <p>Structural: Wood frame Exterior walls: Poured in place concrete (existing) Interior walls: Wood frame and plaster Exterior surface/facade: Plaster</p> <p><b>Inmate design capacity</b></p> <p>Single occupancy: 2 Double occupancy: 14 Dorms: 32 Other: 0 Special housing: 48 General population: 48 Total: 48</p> <p><b>Current staff</b></p> <p>Full-time equivalent: Administration: 2 Security: 13 Programs/treatment: 0 Maintenance: 1 Total: 16 Current inmate/staff ratio: 1.87:1</p>	<p><b>Inmate housing areas</b></p> <p>Design: Linear, outside Cells per unit: N/A Inmates per unit: N/A Management type: Intermittent surveillance October 1985 population: 30 Facility commitment: Unknown Means to handle crowding: N/A</p>
<p><b>Security</b></p> <p>Perimeter: Existing; new metal frame and security mesh Inmate security level: Maximum: 0 Medium: 0 Minimum: 100%</p>		<p><b>Construction process</b></p> <p>Finance method: Local funds; State funds Contract method: Conventional Use of inmate labor: Yes, painting Use of prefabrication: None</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Hollow metal Doors/type: Swinging Doors/locking: Manual and remote locking Floor surface: Linoleum; carpet Intercom: Monitor HVAC: No alteration Plumbing: Stainless steel Furniture: Steel; wood Fire protection: Station fire alarm</p>		<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs: Positive: Lightweight and common building materials; no phasing required around existing occupancy Negative: Unknown condition of existing building</p> <p>Factors affecting time schedule: Positive: Onsite supervision by county inspector Negative: None</p>



# Plumas County Sheriff's Department & Detention Facility (Remodel)

California

Responsible official: Sheriff Kenneth B. Shanks

Plumas County, Quincy

**Contact:** Sergeant Doug McAllister, Plumas County Sheriff's Department, P.O. Box 1106, 50 Abernathy Lane, Quincy, CA 95971, 916-283-0400

**Architect:** Patrick Sullivan Associates, 542 High Street, Palo Alto, CA 94301, 415-327-2490

**Construction manager:** None

<p><b>Groundbreaking:</b> October 1984  <b>Finish date:</b> December 1985  <b>Construction time:</b> 14 months</p>	<p><b>Design capacity:</b> 35  <b>Total cost:</b> \$1,221,227  <b>Total annual operating costs:</b> \$232,600</p>	<p><b>Category:</b> Remodel/renovation  <b>Facility type:</b> County jail  <b>Building configuration:</b> Integrated structure</p>
<p><b>Costs</b></p> <p>Total: \$1,221,227          Building only: Unknown          Housing area: \$635,000          Housing per inmate: \$19,844          Housing per cell: \$39,687          Total per inmate: N/A (remodel)          Total per GSF: \$124.55          Total annual operating costs: \$232,600</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 9,805          Gross square feet/other: 0          Gross square feet/total: 9,805          Housing area square feet: 5,132          Gross square feet per inmate: 280          Size of cells: 108 square feet (single)          Net/gross square feet: Unknown</p> <p><b>Construction type</b></p> <p>Structural: Concrete slab, metal deck (dorms), metal deck with concrete (single)          Exterior walls: Concrete block masonry with exterior insulation          Interior walls: Concrete block masonry walls          Exterior surface/facade: Stucco</p>	<p><b>Inmate housing areas</b></p> <p>Design: Linear, outside          Cells per unit: 10          Inmates per unit: 10          Management type: Intermittent surveillance          October 1985 population: 25          Facility commitment: Local jail inmates          Means to handle crowding: Second mattress on floor</p>
<p><b>Security</b></p> <p>Perimeter: Concrete block; single fence          Inmate security level:              Maximum: Varies              Medium: Varies              Minimum: Varies</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 12          Double occupancy: 0          Dorms: 20          Other: 0          Special housing: 3          General population: 32          Total: 35</p> <p><b>Current staff</b></p> <p>Full-time equivalent:              Administration: 1              Security: 7              Programs/treatment: 1              Maintenance: County              Total: 9          Current inmate/staff ratio: 2.78:1</p>	<p><b>Construction process</b></p> <p>Finance method: Local funds; State funds          Contract method: Conventional          Use of inmate labor: None          Use of prefabrication: None</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Hollow metal          Doors/type: Swinging          Doors/locking: Manual and remote locking          Floor surface: Sealed concrete          Intercom: Two-way monitor          HVAC: Air conditioning; boiler heating          Plumbing: Stainless steel          Furniture: Steel          Fire protection: Smoke detectors and sprinklers for cells</p>		<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs:          Positive: Repetitiveness of design and fixtures; use of lighter construction and hardware in medium security areas          Negative: Remodel of existing facility; phasing to allow continued operation; security and surveillance equipment; few bidders</p> <p>Factors affecting time schedule:          Positive: None          Negative: Phasing; weather problems</p>



# Pre-Trial Detention Facility

Responsible official: Sheriff John V. Gillespie

California

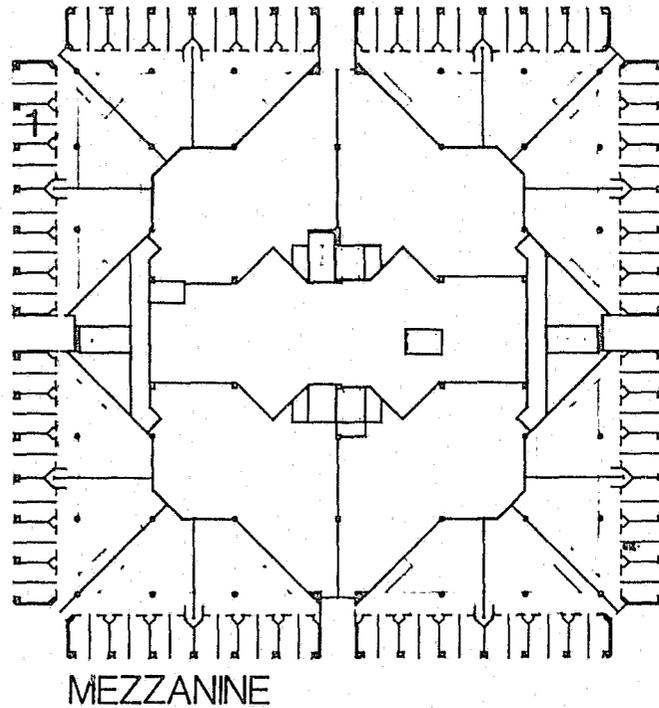
County of Ventura, Ventura

**Contact:** Commander Richard Bryce, Ventura County Sheriff's Department, 800 South Victoria Avenue, Ventura, CA 93009, 805-654-2305

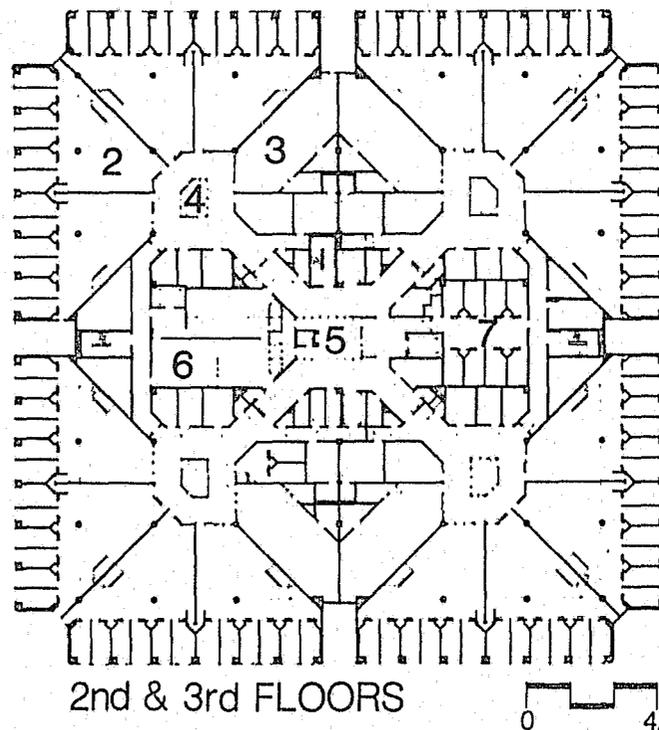
**Architect:** John Carl Warnecke & Associates/Daniel L. Dworsky FAIA & Associates, 2029 Century Park East, Suite 350, Los Angeles, CA 90067, 213-552-0822

**Construction manager:** Turner Construction Company, 445 South Figueroa, Los Angeles, CA 90017, 213-683-1430

<p><b>Groundbreaking:</b> December 1977 <b>Finish date:</b> February 1981 <b>Construction time:</b> 38 months</p>	<p><b>Design capacity:</b> 434 <b>Total cost:</b> \$32,000,000 <b>Total annual operating costs:</b> \$9,400,000</p>	<p><b>Category:</b> New independent facility <b>Facility type:</b> Complex: county jail, law enforcement, other <b>Building configuration:</b> Integrated structure</p>
<p><b>Costs</b></p> <p>Total: \$32,000,000 Building only: \$22,000,000 Housing area: \$13,000,000 Housing per inmate: \$32,500 Housing per cell: \$32,500 Total per inmate: N/A (complex) Total per GSF: \$94.12 Total annual operating costs: \$9,400,000</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 220,000 Gross square feet/other: 120,000 Gross square feet/total: 340,000 Housing area square feet: 120,000 Gross square feet per inmate: 507 Size of cells: 75 square feet (single) Net/gross square feet: 71%</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod Cells per unit: 48 Inmates per unit: 48 Management type: Remote surveillance October 1985 population: 766 Facility commitment: Local jail inmates Means to handle crowding: Second bunk permanently attached to wall</p>
<p><b>Security</b></p> <p>Perimeter: Building exterior only Inmate security level: Maximum: 100% Medium: 0 Minimum: 0</p>	<p><b>Construction type</b></p> <p>Structural: Steel frame Exterior walls: Precast panels; architectural precast Interior walls: CMU block Exterior surface/facade: Colored concrete</p>	<p><b>Construction process</b></p> <p>Finance method: Local funds Contract method: Construction management fast track Use of inmate labor: None Use of prefabrication: Limited; precast exterior walls</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel Doors/type: Sliding Doors/locking: Remote unlocking; manual relocking Floor surface: Sealed concrete Intercom: Two-way to cells and common areas HVAC: Air conditioning; gas-fired hot water boiler Plumbing: Stainless combination unit Furniture: Concrete Fire protection: Smoke detectors for cells; sprinklers for cells and common areas; manual alarm stations</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 400 Double occupancy: 0 Dorms: 0 Other: 0 Special housing: 34 General population: 400 Total: 434</p> <p><b>Current staff</b></p> <p>Full-time equivalent: Administration: 36 Security: 131 Programs/treatment: 22 Maintenance: 26 Total: 215 Current inmate/staff ratio: 3.56:1</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs: Positive: Phased construction, fast track construction management; conventional design; repetitiveness of design Negative: Lack of bidding competition; difficult site conditions; busy construction market; large project for locale</p> <p>Factors affecting time schedule: Positive: Phased construction, fast track construction management Negative: Complex electronic, mechanical, and electrical systems</p>



- 2 DAYROOM
- 3 ACTIVITY
- 4 UNIT MANAGER
- 5 FLOOR CONTROL
- 6 VISITING
- 7 ADMINISTRATIVE SEGREGATION



# Santa Cruz County Jail (Phase I)

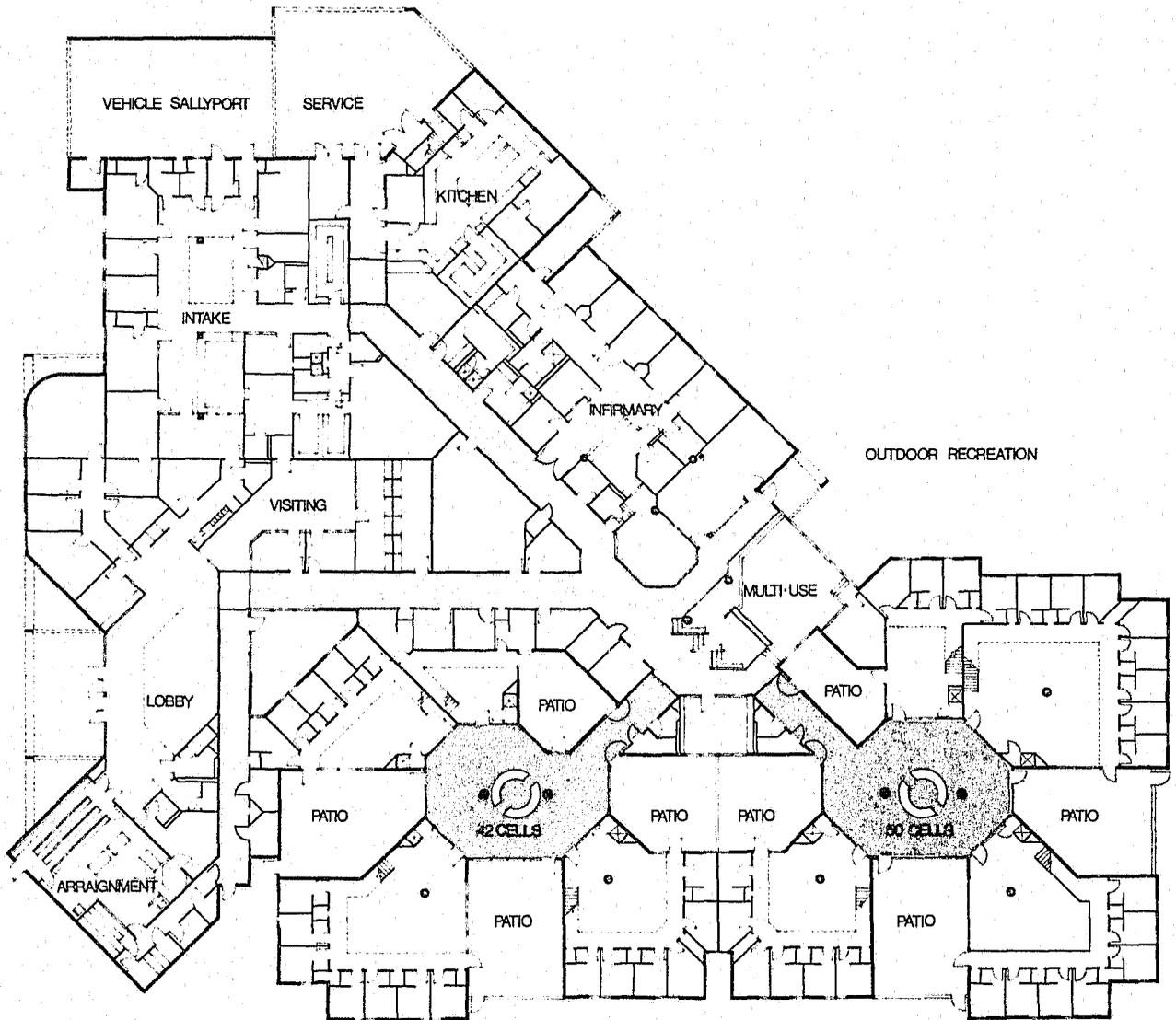
Responsible official: Sheriff Alfred F. Noren

California

Santa Cruz County, Santa Cruz

**Contact:** Al Stevens, Jail Commander, Santa Cruz County Jail, 259 Water Street, Santa Cruz, CA 95060, 408-425-2666  
**Architect:** Kaplan/McLaughlin/Diaz, 222 Vallejo Street, San Francisco, CA 94111, 415-398-5191  
**Construction manager:** None

<p><b>Groundbreaking:</b> February 1979 <b>Finish date:</b> May 1981 <b>Construction time:</b> 27 months</p>	<p><b>Design capacity:</b> 96 <b>Total cost:</b> \$8,400,000 <b>Total annual operating costs:</b> \$3,799,332</p>	<p><b>Category:</b> New, independent facility <b>Facility type:</b> County jail <b>Building configuration:</b> Integrated structure; clusters</p>
<p><b>Costs</b></p> <p>Total: \$8,400,000 Building only: \$6,200,000 Housing area: Unknown Housing per inmate: Unknown Housing per cell: Unknown Total per inmate: \$87,500 Total per GSF: \$178.72 Total annual operating costs: \$3,799,332</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 47,000 Gross square feet/other: 0 Gross square feet/total: 47,000 Housing area square feet: 12,682 Gross square feet per inmate: 490 Size of cells: 74 square feet (single) Net/gross square feet: Unknown</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod Cells per unit: 42 and 50 Inmates per unit: 46 Management type: Remote surveillance October 1985 population: 150 Facility commitment: Local jail inmates; State prisoners Means to handle crowding: Mattresses on floor; beds in dayroom</p>
<p><b>Security</b></p> <p>Perimeter: Building exterior; alarm/detection system Inmate security level: Maximum: 100% Medium: 0 Minimum: 0</p>	<p><b>Construction type</b></p> <p>Structural: Cast-in-place concrete frame Exterior walls: Cast-in-place concrete Interior walls: Cast-in-place concrete Exterior surface/facade: Stucco; paint</p>	<p><b>Construction process</b></p> <p>Finance method: Revenue sharing; other Federal funds Contract method: Conventional Use of inmate labor: None Use of prefabrication: None</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel Doors/type: Swinging Doors/locking: Remote locking only Floor surface: Sealed concrete Intercom: Two-way to cells HVAC: Air conditioning Plumbing: Stainless Furniture: Steel Fire protection: Smoke detectors for cells, common areas, and ducts; manual alarm stations; smoke evacuation</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 92 Double occupancy: 0 Dorms: 0 Other: 0 Special housing: 4 General population: 92 Total: 96</p> <p><b>Current staff</b></p> <p>Full-time equivalent: Administration: 9 Security: 66 Programs/treatment: 20 Maintenance: 4 Total: 99 Current inmate/staff ratio: 1.52:1</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs: Positive: Simple construction methods Negative: Slow construction, lengthy building time; difficult site conditions; complex electronic, mechanical, and electrical systems</p> <p>Factors affecting time schedule: Positive: Simple construction methods Negative: Complex electronic, mechanical, and electrical systems</p>



FIRST FLOOR



# Shasta County Justice Center

Responsible official: Sheriff Phil D. Eoff

California

Shasta County, Redding

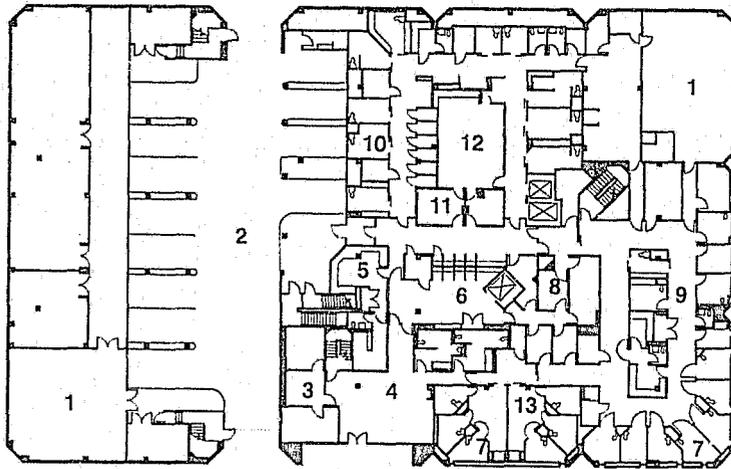
**Contact:** Captain Gene Totem, Jail Commander, Shasta County Justice Center, West and Placer Streets, Redding, CA 96001, 916-225-5651

**Architect:** Hellmuth, Obata & Kassabaum, Inc., One Lombard Street, San Francisco, CA 94111, 415-627-1600

**Associate architect:** WKSD Architects, 225 Locust, Suite 3, Redding, CA 96001, 916-246-1900

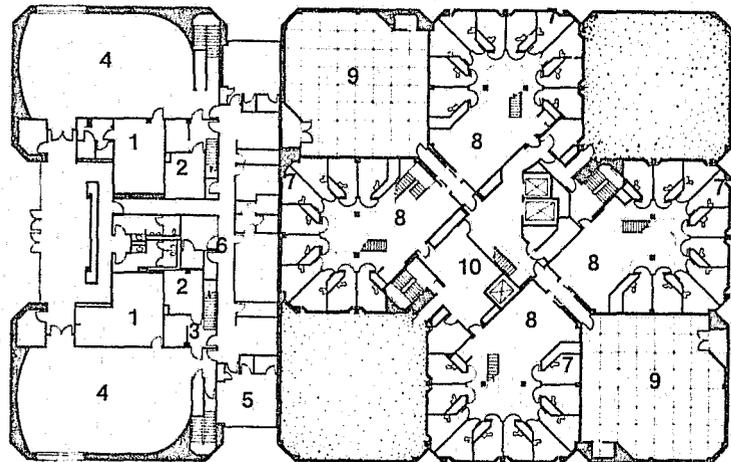
**Construction manager:** M. Hill Company, 1525 Court Street, Redding, CA 96001, 916-441-3955

<p><b>Groundbreaking:</b> November 1982  <b>Finish date:</b> June 1984  <b>Construction time:</b> 19 months</p>	<p><b>Design capacity:</b> 250  <b>Total cost:</b> \$14,500,000  <b>Total annual operating costs:</b> \$4,753,529</p>	<p><b>Category:</b> New, independent facility  <b>Facility type:</b> Complex, county jail, courts  <b>Building configuration:</b> Integrated structure, high rise</p>
<p><b>Costs</b></p> <p>Total: \$14,500,000          Building only: \$14,000,000          Housing area: \$9,500,000          Housing per inmate: \$39,583          Housing per cell: \$39,583          Total per inmate: \$58,000          Total per GSF: \$207.14          Total annual operating costs: \$4,753,529</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 70,000          Gross square feet/other: 0          Gross square feet/total: 70,000          Housing area square feet: Unknown          Gross square feet per inmate: 280          Size of cells: 70 square feet (single)          Net/gross square feet: 96%</p> <p><b>Construction type</b></p> <p>Structural: Steel frame; poured-in-place concrete lower 2 levels          Exterior walls: Steel studs with heavy duty thermal insulation          Interior walls: CMU block with pneumatic placed concrete surfaces          Exterior surface/facade: Stucco over steel studs</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod          Cells per unit: 80          Inmates per unit: 80          Management type: Intermittent surveillance; patrols          October 1985 population: 277          Facility commitment: Local jail inmates          Means to handle crowding: Second bunk permanently attached to wall</p>
<p><b>Security</b></p> <p>Perimeter: Building exterior only          Inmate security level:            Maximum: 16%            Medium: 68%            Minimum: 16%</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 240          Double occupancy: 0          Dorms: 0          Other: 0          Special housing: 10          General population: 240          Total: 250</p> <p><b>Current staff</b></p> <p>Full-time equivalent:            Administration: 19            Security: 48            Programs/treatment: 19            Maintenance: 10            Total: 96          Current inmate/staff ratio: 2.89:1</p>	<p><b>Construction process</b></p> <p>Finance method: Local funds; State funds          Contract method: Construction management fast track          Use of inmate labor: None          Use of prefabrication: None</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Wooden          Doors/type: Swinging          Doors/locking: Remote locking only          Floor surface: Sealed concrete          Intercom: One-way to cells; two-way to common areas          HVAC: Heating/air circulation only          Plumbing: Stainless          Furniture: Concrete          Fire protection: Smoke detectors for cells</p>		<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs:          Positive: Simple construction methods, repetitiveness of design; good competition, favorable market          Negative: High labor costs; difficult site conditions; inflation</p> <p>Factors affecting time schedule:          Positive: Simple construction methods, repetitiveness of design; phased construction, fast track construction management; advanced order of materials and hardware          Negative: Weather problems</p>



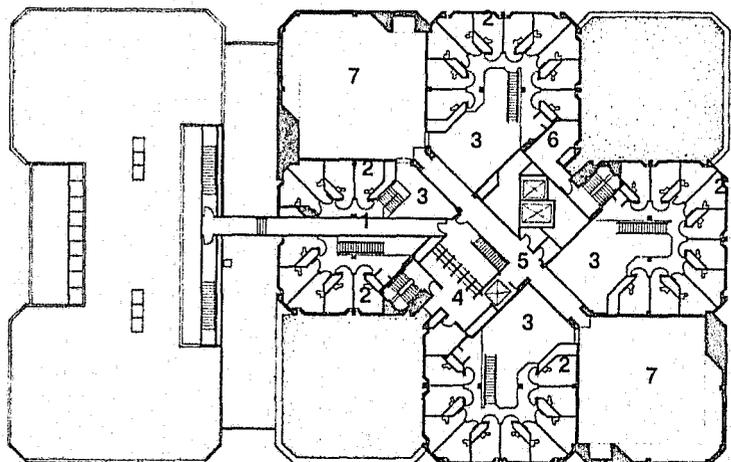
**Ground Level**

- 1 Mechanical
- 2 Vehicular Sally Port
- 3 Offices
- 4 Public Lobby
- 5 Central Control
- 6 Visiting
- 7 Cell
- 8 Interview
- 9 Medical
- 10 Holding Room
- 11 Services
- 12 Booking
- 13 Special Segregation



**Level Two**

- 1 Jury Deliberation
- 2 Holding Cell
- 3 Sally Port
- 4 Court Room
- 5 Judge's Chamber
- 6 Courts Administration
- 7 Cell
- 8 Dayroom
- 9 Outdoor Exercise
- 10 Multi-Purpose Room



**Typical Mezzanine  
Level Two**

- 1 Corridor to Courts
- 2 Cell
- 3 Dayroom Below
- 4 Visiting
- 5 Control Room
- 6 Electrical/Communication Equipment
- 7 Outdoor Exercise Below

# Southern Maximum Security Complex

Responsible official: Superintendent B.J. Bunnell

California

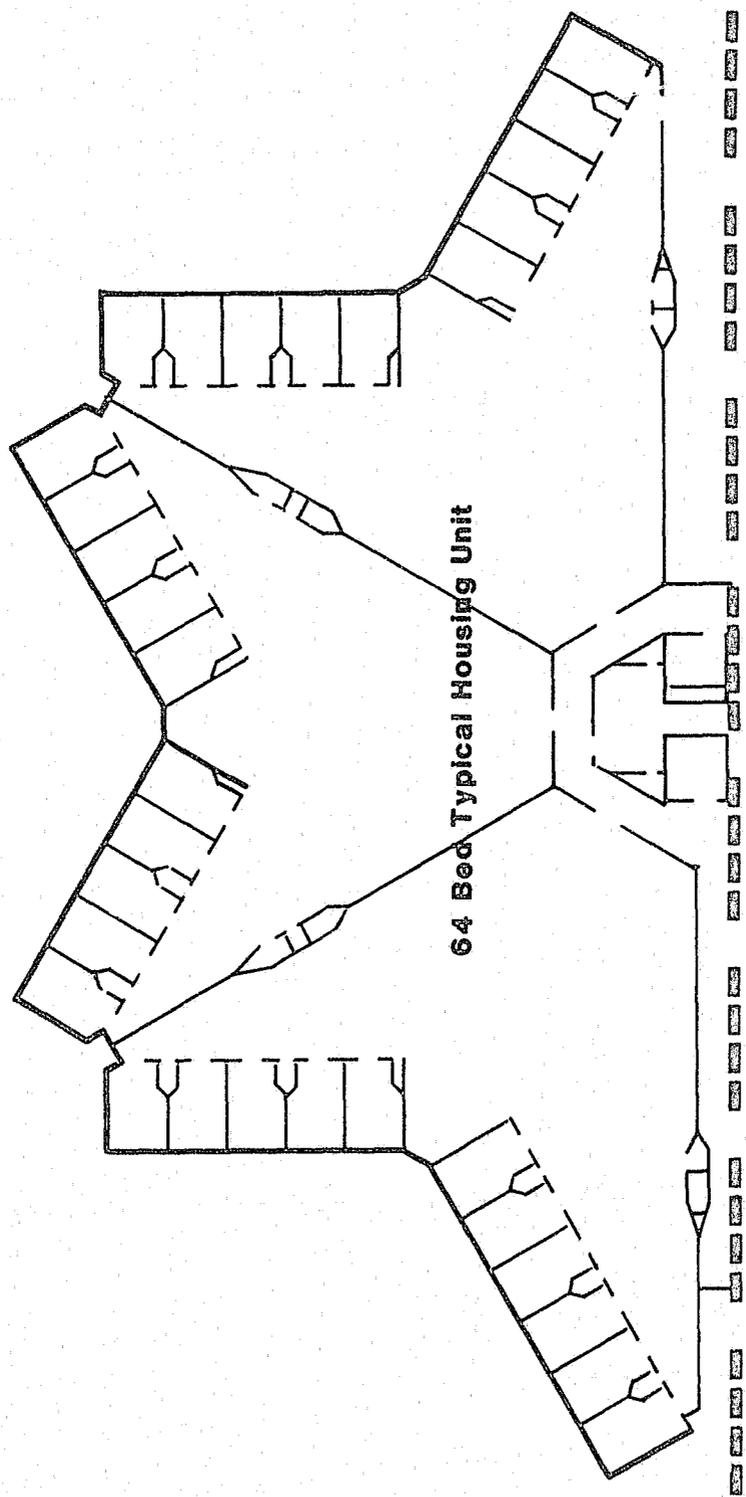
Tehachapi

**Contact:** Superintendent B.J. Bunnell, Southern Maximum Security Complex, P.O. Box 1031, Tehachapi, CA 93561, 805-822-4402

**Architect:** VBN/Gruzen, 251 Post Street, San Francisco, CA 94108, 415-956-5515

**Construction manager:** Heery/VCM, 660 J Street, Sacramento, CA 95812, 916-448-8474

<p><b>Groundbreaking:</b> May 1982  <b>Finish date:</b> March 1986  <b>Construction time:</b> 46 months</p>	<p><b>Design capacity:</b> 1,000  <b>Total cost:</b> \$71,108,726  <b>Total annual operating costs:</b>          \$30,250,000</p>	<p><b>Category:</b> New, independent facility  <b>Facility type:</b> State prison  <b>Building configuration:</b> Courtyard</p>
<p><b>Costs</b></p> <p>Total: \$71,108,726          Building only: \$59,058,062          Housing area: \$39,093,518          Housing per inmate: \$39,094          Housing per cell: \$39,094          Total per inmate: \$71,109          Total per GSF: \$150.65          Total annual operating costs: \$30,250,000</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 472,000          Gross square feet/other: 0          Gross square feet/total: 472,000          Housing area square feet: 322,840          Gross square feet per inmate: 472          Size of cells: 86 square feet (single)          Net/gross square feet: 65%</p> <p><b>Construction type</b></p> <p>Structural: Steel frame; cast-in-place concrete frame          Exterior walls: Precast panels; cast-in-place concrete; CMU block          Interior walls: Cast-in-place; CMU block          Exterior surface/facade: Paint; exterior insulated finish system</p> <p><b>Inmate design capacity</b></p> <p>Single occupancy: 1,000          Double occupancy: 0          Dorms: 0          Other: 0          Special housing: 0          General population: 1,000          Total: 1,000</p> <p><b>Current staff</b></p> <p>Full-time equivalent:          Administration: 87          Security: 496          Programs/treatment: 73          Maintenance: 38          Total: 694          Current inmate/staff ratio: 1.44:1</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod          Cells per unit: 62 and 64          Inmates per unit: 62 and 64          Management type: Remote surveillance          October 1985 population: 500; March 1986, 1,000          Facility commitment: State prisoners          Means to handle crowding: None</p> <p><b>Construction process</b></p> <p>Finance method: State funds          Contract method: Conventional; construction management          Use of inmate labor: None          Use of prefabrication: Precast concrete exterior panels</p>
<p><b>Security</b></p> <p>Perimeter: Double fence; alarm/detection systems; towers          Inmate security level:          Maximum: 100%          Medium: 0          Minimum: 0</p>	<p><b>Inmate cells</b></p> <p>Doors/material: Steel          Doors/type: Sliding          Doors/locking: Motor driven and remote locking          Floor surface: Sealed concrete          Intercom: Two-way to common areas          HVAC: Heating/air circulation only; economizer energy cycle; central heating plant; steam and hot water boiler          Plumbing: Stainless          Furniture: Steel; concrete          Fire protection: Smoke detectors for cells and common areas; sprinklers for common areas</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs:          Positive: Simple construction methods, repetitiveness of design; good competition, favorable market          Negative: Slow construction, lengthy building time; difficult site conditions; government procedures, regulations, "red tape"; complex electronic, mechanical, and electrical systems          Factors affecting time schedule:          Positive: None          Negative: Slow responses and delivery from vendors, suppliers; government procedures, regulations, "red tape"; complex electronic, mechanical, and electrical systems; remote location of site</p>



# Stanislaus County Jail (Remodel/Expansion)

Responsible official: Sheriff Lynn S. Wood

California

Stanislaus County, Modesto

**Contact:** Sheriff Lynn S. Wood, Stanislaus County Jail, 1100 I Street, Modesto, CA 95354, 209-571-6456

**Architect:** Crosby, Thornton, Marshall, Booker, Lawlor, Architects, 2105 Lancey Drive, Suite 7, Modesto, CA 95355, 209-575-1384

**Construction manager:** None

<p><b>Groundbreaking:</b> April 1985  <b>Finish date:</b> February 1986  <b>Construction time:</b> 10 months</p>	<p><b>Design capacity:</b> 40  <b>Total cost:</b> \$791,000  <b>Total annual operating costs:</b>  N/A (expansion)</p>	<p><b>Category:</b> Remodeling/renovation project to expand jail capacity  <b>Facility type:</b> Complex: county jail, law enforcement, courts  <b>Building configuration:</b> Integrated structure</p>
<p><b>Costs</b></p> <p>Total: \$791,000  Building only: N/A (remodel)  Housing area: Unknown  Housing per inmate: Unknown  Housing per cell: Unknown  Total per inmate: N/A (complex)  Total per GSF: \$48.55  Total annual operating costs: N/A (expansion)</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 8,040  Gross square feet/other: 8,252  Gross square feet/total: 16,292  Housing area square feet: 2,544  Gross square feet per inmate: 201  Size of cells: 55 square feet per bed (dorms)  Net/gross square feet: 90%</p>	<p><b>Inmate housing areas</b></p> <p>Design: Linear, interior; dormitories  Cells per unit: N/A  Inmates per unit: N/A  Management type: Intermittent surveillance  October 1985 population: 40  Facility commitment: Local jail inmates  Means to handle crowding: Mattresses on floor; second bunk attached to wall</p>
<p><b>Security</b></p> <p>Perimeter: Building exterior; double fence/exercise yard  Inmate security level:  Maximum: 20%  Medium: 60%  Minimum: 20%</p>	<p><b>Construction type</b></p> <p>Structural: Cast-in-place concrete frame  Exterior walls: Cast-in-place concrete  Interior walls: Cast-in-place concrete  Exterior surface/facade: Paint</p>	<p><b>Construction process</b></p> <p>Finance method: Revenue sharing; State funds  Contract method: Conventional  Use of inmate labor: Limited  Use of prefabrication: None</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Unknown  Doors/type: Sliding  Doors/locking: Unknown  Floor surface: Sealed concrete; vinyl tile  Intercom: One-way to cells and common areas  HVAC: Air conditioning; vari-cool unit  Plumbing: Stainless combination unit  Furniture: Steel  Fire protection: Smoke detectors for cells and common areas</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 0  Double occupancy: 0  Dorms: 40  Other: 0  Special housing: 0  General population: 40  Total: 40</p> <p><b>Current staff</b></p> <p>Full-time equivalent:  Administration: N/A  Security: 5  Programs/treatment: N/A  Maintenance: N/A  Total: 5 (expansion only)  Current inmate/staff ratio: 8:1</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs:  Positive: Remodel of existing facility  Negative: Slow construction; high labor costs; government procedures, regulations, "red tape"; complex electronic, mechanical, and electrical systems</p> <p>Factors affecting time schedule:  Positive: None  Negative: Slow responses and delivery from vendors, suppliers; government procedures, regulations, "red tape"</p>

(No floorplan available at time of publication)

# Tuolumne County Detention Facility (Remodel/Expansion)

Responsible official: Sheriff Wallace C. Berry

California

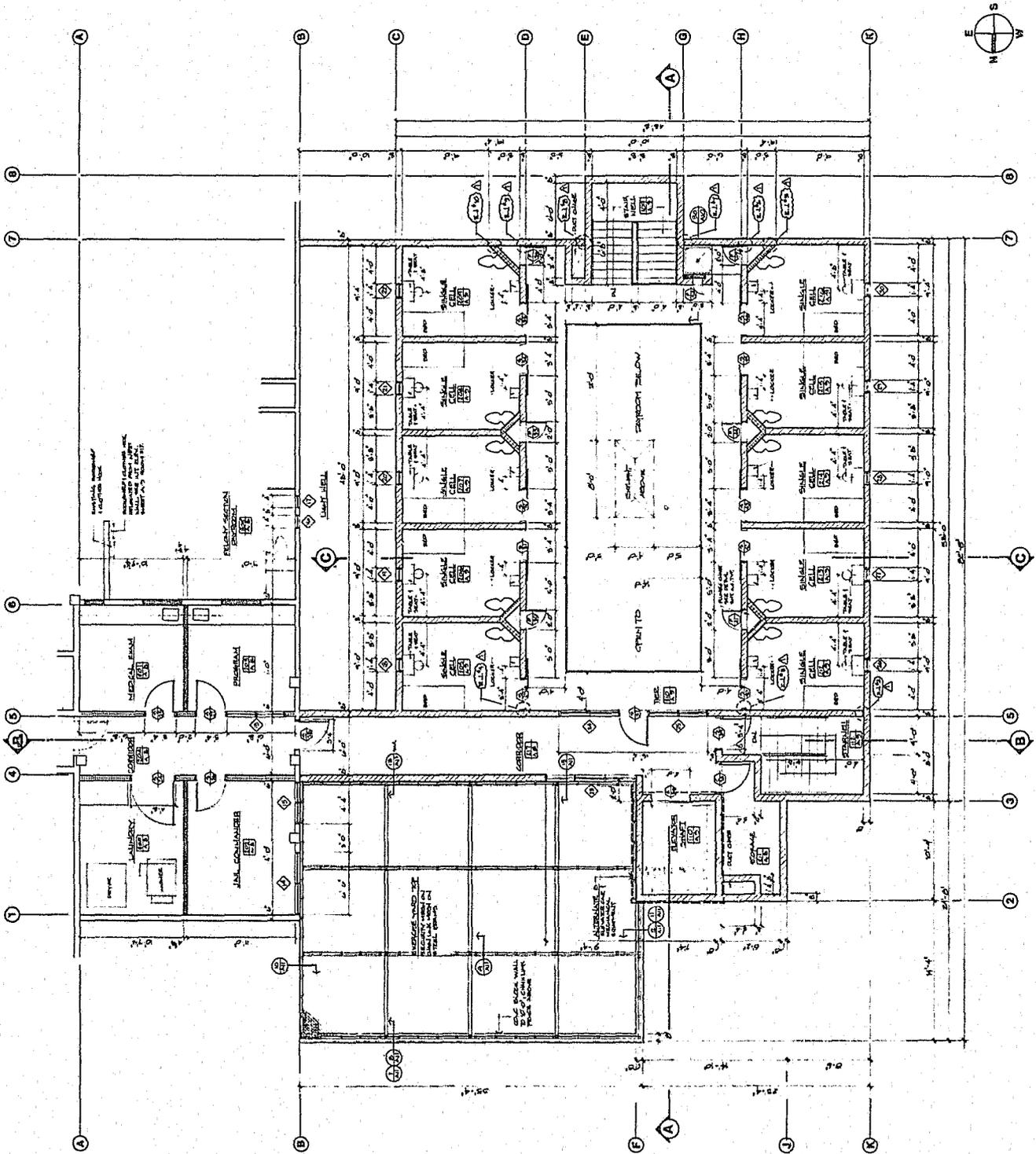
Tuolumne County, Sonora

**Contact:** James N. Childers, Jail Commander, Tuolumne County Detention Facility, 24 North Lower Sunset Drive, Sonora, CA 95370, 209-533-5824

**Architect:** Patrick Sullivan Associates, 542 High Street, Palo Alto, CA 94301, 415-327-2490

**Construction manager:** None

<p><b>Groundbreaking:</b> April 1985  <b>Finish date:</b> May 1986  <b>Construction time:</b> 13 months</p>	<p><b>Design capacity:</b> 21  <b>Total cost:</b> \$920,700  <b>Total annual operating costs:</b> \$463,325 (entire facility)</p>	<p><b>Category:</b> Remodel/renovation project; expansion project  <b>Facility type:</b> County jail  <b>Building configuration:</b> Integrated structure</p>
<p><b>Costs</b></p> <p>Total: \$920,700          Building only: N/A (remodel)          Housing area: \$607,662          Housing per inmate: \$30,383          Housing per cell: \$30,383          Total per inmate: N/A (remodel)          Total per GSF: \$102.12          Total annual operating costs: \$463,325 (entire facility)</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 9,016          Gross square feet/other: 0          Gross square feet/total: 9,016          Housing area square feet: 5,990          Gross square feet per inmate: 429          Size of cells: 105 square feet (single)          Net/gross square feet: Unknown</p>	<p><b>Inmate housing areas</b></p> <p>Design: Tier design; linear, interior          Cells per unit: 20          Inmates per unit: 20          Management type: Intermittent surveillance          October 1985 population: 70 (entire facility)          Facility commitment: Local jail inmates          Means to handle crowding: Mattresses on floor; bunk beds in cell</p>
<p><b>Security</b></p> <p>Perimeter: Building exterior only          Inmate security level:              Maximum: 70%              Medium: 20%              Minimum: 10%</p>	<p><b>Construction type</b></p> <p>Structural: CMU with concrete deck          Exterior walls: CMU block          Interior walls: CMU block          Exterior surface/facade: Stucco</p>	<p><b>Construction process</b></p> <p>Finance method: Local funds; State funds          Contract method: Conventional          Use of inmate labor: None          Use of prefabrication: None</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel          Doors/type: Sliding          Doors/locking: Manual          Floor surface: Sealed concrete          Intercom: Two-way to cells and common areas          HVAC: Air conditioning; forced air heat          Plumbing: Stainless steel          Furniture: Steel          Fire protection: Smoke detectors and sprinklers for cells</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 20          Double occupancy: 0          Dorms: 0          Other: 0          Special housing: 1          General population: 20          Total: 21</p> <p><b>Current staff</b></p> <p>Full-time equivalent:              Administration: 1              Security: 15              Programs/treatment: 1              Maintenance: 2              Total: 19 (entire facility)          Current inmate/staff ratio: 3.68:1</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs:          Positive: None          Negative: None</p> <p>Factors affecting time schedule:          Positive: None          Negative: None</p>



UPPER FLOOR PLAN

# Yuba County Jail (Remodel)

Responsible official: Sheriff Robert R. Day

California

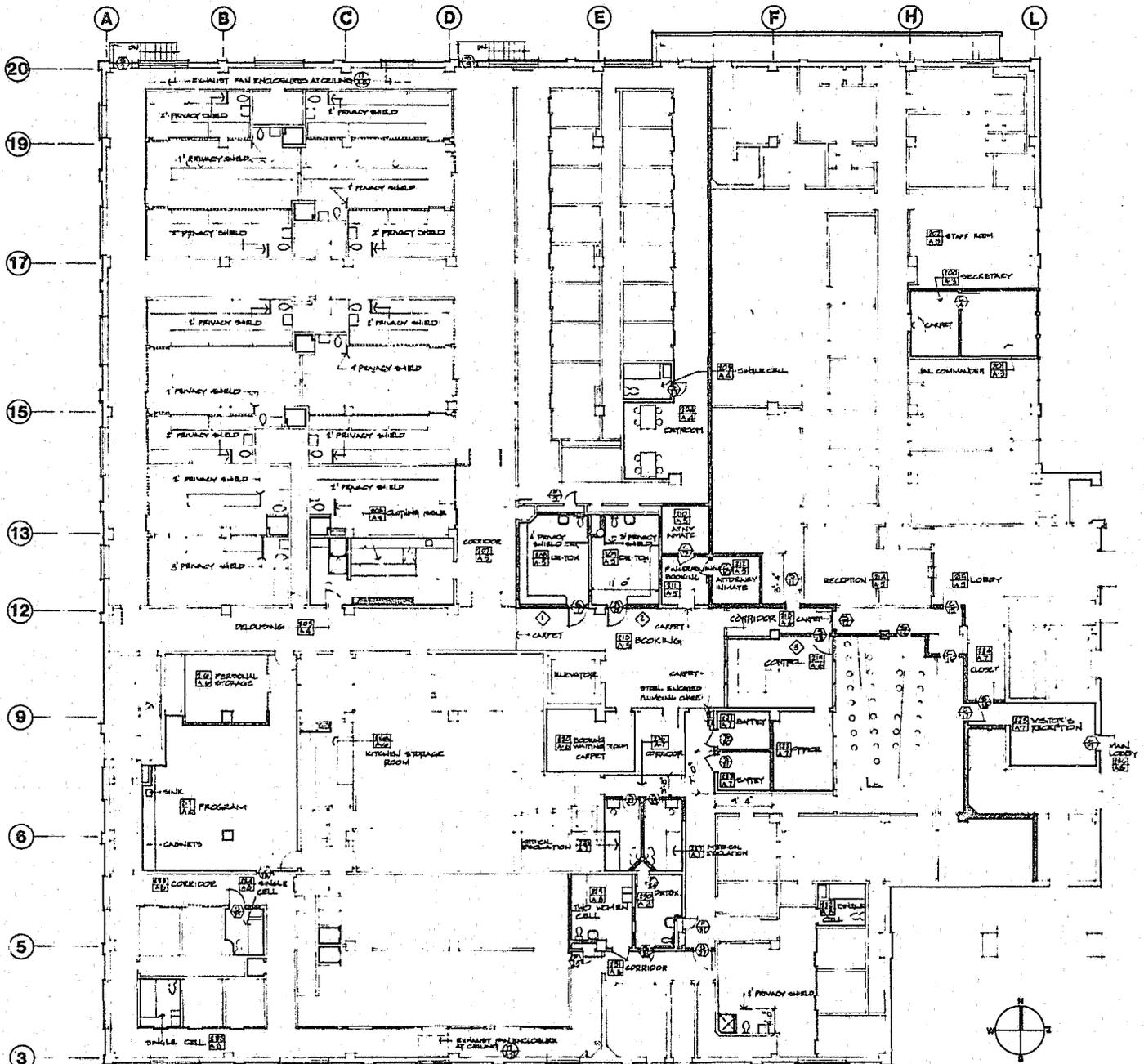
Yuba County, Marysville

**Contact:** Captain Gary M. Finch, Jail Commander, Yuba County Jail, 215 Fifth Street, Marysville, CA 95901, 916-741-6331

**Architect:** Patrick Sullivan Associates, 542 High Street, Palo Alto, CA 94301, 415-327-2490

**Construction manager:** None

<p><b>Groundbreaking:</b> June 1985 <b>Finish date:</b> July 1986 <b>Construction time:</b> 13 months</p>	<p><b>Design capacity:</b> 134 <b>Total cost:</b> \$500,000 <b>Total annual operating costs:</b> \$620,370</p>	<p><b>Category:</b> Remodel/renovation <b>Facility type:</b> County jail <b>Building configuration:</b> Integrated structure</p>
<p><b>Costs</b></p> <p>Total: \$500,000 Building only: Unknown Housing area: Unknown Housing per inmate: Unknown Housing per cell: Unknown Total per inmate: N/A (remodel) Total per GSF: \$25.98 Total annual operating costs: \$620,370</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 19,248 Gross square feet/other: 0 Gross square feet/total: 19,248 Housing area square feet: 6,235 Gross square feet per inmate: 144 Size of cells: 56 square feet (single) Net/gross square feet: Unknown</p> <p><b>Construction type</b></p> <p>Structural: Concrete Exterior walls: Concrete floors and ceilings Interior walls: Steel bar cell walls; Gunitite walls Exterior surface/facade: Gunitite walls</p>	<p><b>Inmate housing areas</b></p> <p>Design: Linear, inside Cells per unit: N/A Inmates per unit: 20 Management type: Intermittent surveillance October 1985 population: 125 Facility commitment: Local jail inmates Means to handle crowding: Mattresses on floor</p>
<p><b>Security</b></p> <p>Perimeter: No alteration Inmate security level: Maximum: 50% Medium: 50% Minimum: 0</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 24 Double occupancy: 4 Dorms: 104 Other: 0 Special housing: 2 General population: 132 Total: 134</p> <p><b>Current staff</b></p> <p>Full-time equivalent: Administration: 2 Security: 20 Programs/treatment: 2 Maintenance: 3 Total: 27 Current inmate/staff ratio: 4.63:1</p>	<p><b>Construction process</b></p> <p>Finance method: Local funds; State funds Contract method: Conventional Use of inmate labor: Yes, painting Use of prefabrication: None</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Hollow metal and open bar Doors/type: Swinging Doors/locking: Manual and remote locking Floor surface: Sealed concrete Intercom: None HVAC: None Plumbing: Stainless steel Furniture: Steel Fire protection: No alteration (no sprinklers)</p>		<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs: Positive: Good competition, favorable market; county's efforts to circulate bid documents Negative: Difficult security conditions during remodeling</p> <p>Factors affecting time schedule: Positive: None Negative: Working within existing building; security hollow metal and locks</p>



GROUND FLOOR PLAN 1/8" = 1'-0"

# Adams County Detention Center

Responsible official: Sheriff Bert Johnson

Colorado

Adams County, Brighton

**Contact:** Captain Richard D. Sluder, Adams County Detention Center, 1831 Bridge Street, Brighton, CO 80601, 303-659-6400  
**Architect:** Justice Systems, Inc., 348 Peachtree Street NE., Atlanta, GA 30308, 404-577-3184  
**Construction manager:** Morrison-Knudsen Company, Inc., P.O. Box 7808, Boise, ID 83729, 208-386-5000

<p><b>Groundbreaking:</b> February 1984  <b>Finish date:</b> May 1985  <b>Construction time:</b> 15 months</p>	<p><b>Design capacity:</b> 485  <b>Total cost:</b> \$15,382,660  <b>Total annual operating costs:</b> \$3,371,143</p>	<p><b>Category:</b> New, independent facility  <b>Facility type:</b> County jail  <b>Building configuration:</b> Wings connecting housing pods</p>
<p><b>Costs</b></p> <p>Total: \$15,382,660  Building only: \$14,100,000  Housing area: \$10,800,000  Housing per inmate: \$22,500  Housing per cell: \$22,500  Total per inmate: \$31,717  Total per GSF: \$67.43  Total annual operating costs: \$3,371,143</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 228,140  Gross square feet/other: 0  Gross square feet/total: 228,140  Housing area square feet: 171,332  Gross square feet per inmate: 470  Size of cells: 83 square feet (single)  Net/gross square feet: 77%</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod  Cells per unit: 48  Inmates per unit: 48  Management type: Remote surveillance  October 1985 population: 264  Facility commitment: Local inmates; State prisoners  Means to handle crowding: N/A</p>
<p><b>Security</b></p> <p>Perimeter: Double fence; razor wire on fence  Inmate security level:  Maximum: 40%  Medium: 60%  Minimum: 0</p>	<p><b>Construction type</b></p> <p>Structural: Steel frame  Exterior walls: CMU block  Interior walls: Precast panels; cast-in-place concrete; CMU block  Exterior surface/facade: Stucco; paint</p>	<p><b>Construction process</b></p> <p>Finance method: G.O. Bonds  Contract method: Construction management fast track  Use of inmate labor: None  Use of prefabrication: Limited</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Solid steel  Doors/type: Sliding (max.); swinging (med.)  Doors/locking: Remote locking only (max.); motor driven and remote locking (med.)  Floor surface: Sealed concrete  Intercom: Two-way to common areas  HVAC: Air conditioning  Plumbing: Stainless (max.); china (med.)  Furniture: Steel  Fire protection: Smoke detectors and sprinklers for cells and common areas</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 480  Double occupancy: 0  Dorms: 0  Other: 0  Special housing: 5  General population: 480  Total: 485</p> <p><b>Current staff</b></p> <p>Full-time equivalent:  Administration: 19  Security: 113  Programs/treatment: 3  Maintenance: 5  Total: 140 (not incl. contract food, medical)  Current inmate/staff ratio: 1.89:1</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs:  Positive: Simple construction methods, repetitiveness and cost-consciousness of design; phased construction, fast track construction management; clear plans and specs  Negative: High labor costs; difficult site conditions (expansive clay)</p> <p>Factors affecting time schedule:  Positive: Simple construction methods, repetitiveness of design; phased construction; advanced order of materials and hardware; coordination of design, construction/owner  Negative: Weather problems</p>

(No floorplan available at time of publication)

# Delta County Criminal Justice Facility (Addition)

Responsible official: Sheriff Richard A. Miklich

Colorado

Delta County, Delta

**Contact:** Sheriff Richard A. Miklich, Delta County Criminal Justice Facility, Delta County Courthouse, 5th and Palmer, Delta, CO 81486, 303-874-9734

**Architect:** Dana Larson Roubal & Associates, 225 North 5th Street, Suite 115, Grand Junction, CO 81501, 303-243-6166

**Construction manager:** None

<p><b>Groundbreaking:</b> November 1984  <b>Finish date:</b> January 1986  <b>Construction time:</b> 14 months</p>	<p><b>Design capacity:</b> 47  <b>Total cost:</b> \$3,400,000  <b>Total annual operating costs:</b> \$102,689 (addition only)</p>	<p><b>Category:</b> New, ancillary building  <b>Facility type:</b> Complex: county jail, court  <b>Building configuration:</b> Integrated structure</p>
<p><b>Costs</b></p> <p>Total: \$3,400,000          Building only: \$3,258,000          Housing area: \$884,000          Housing per inmate: \$20,091          Housing per cell: \$23,263          Total per inmate: N/A (complex)          Total per GSF: \$99.98          Total annual operating costs: \$102,689 (addition only)</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 17,783          Gross square feet/other: 16,223          Gross square feet/total: 34,006          Housing area square feet: 8,765          Gross square feet per inmate: 378          Size of cells: 70 square feet (single)          Net/gross square feet: 84%</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod          Cells per unit: 8          Inmates per unit: 8          Management type: Intermittent surveillance          October 1985 population: 16          Means to handle crowding: Bunk beds in cell; second bunk permanently attached to wall</p>
<p><b>Security</b></p> <p>Perimeter: Building exterior only          Inmate security level:              Maximum: 0              Medium: 100%              Minimum: 0</p>	<p><b>Construction type</b></p> <p>Structural: Concrete frame          Exterior walls: Reinforced concrete block          Interior walls: Concrete block          Exterior surface/facade: Brick</p>	<p><b>Construction process</b></p> <p>Finance method: Special election; local funds          Contract method: Conventional          Use of inmate labor: None          Use of prefabrication: None</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Wooden          Doors/type: Swinging          Doors/locking: Remote locking          Floor surface: Sealed concrete          Intercom: Two-way to common areas          HVAC: Hydronic heating/cooling system; heat pumps          Plumbing: Stainless steel          Furniture: Steel          Fire protection: Sprinklers and smoke detectors to cells and common areas</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 36          Double occupancy: 0          Dorms: 8          Other: 0          Special housing: 3          General population: 44          Total: 47</p> <p><b>Current staff</b></p> <p>Full-time equivalent:              Administration: 5              Security: 9              Programs/treatment: 1              Maintenance: 4              Total: 19 (entire facility)          Current inmate/staff ratio: .84:1</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs:          Positive: Use of traditional building materials          Negative: Porous site condition; remote location</p> <p>Factors affecting time schedule:          Positive: Use of traditional building materials; moderate winter          Negative: None</p>

(No floorplan available at time of publication)

# Eagle County Jail (Addition)

Responsible official: Sheriff A.J. Johnson

Colorado

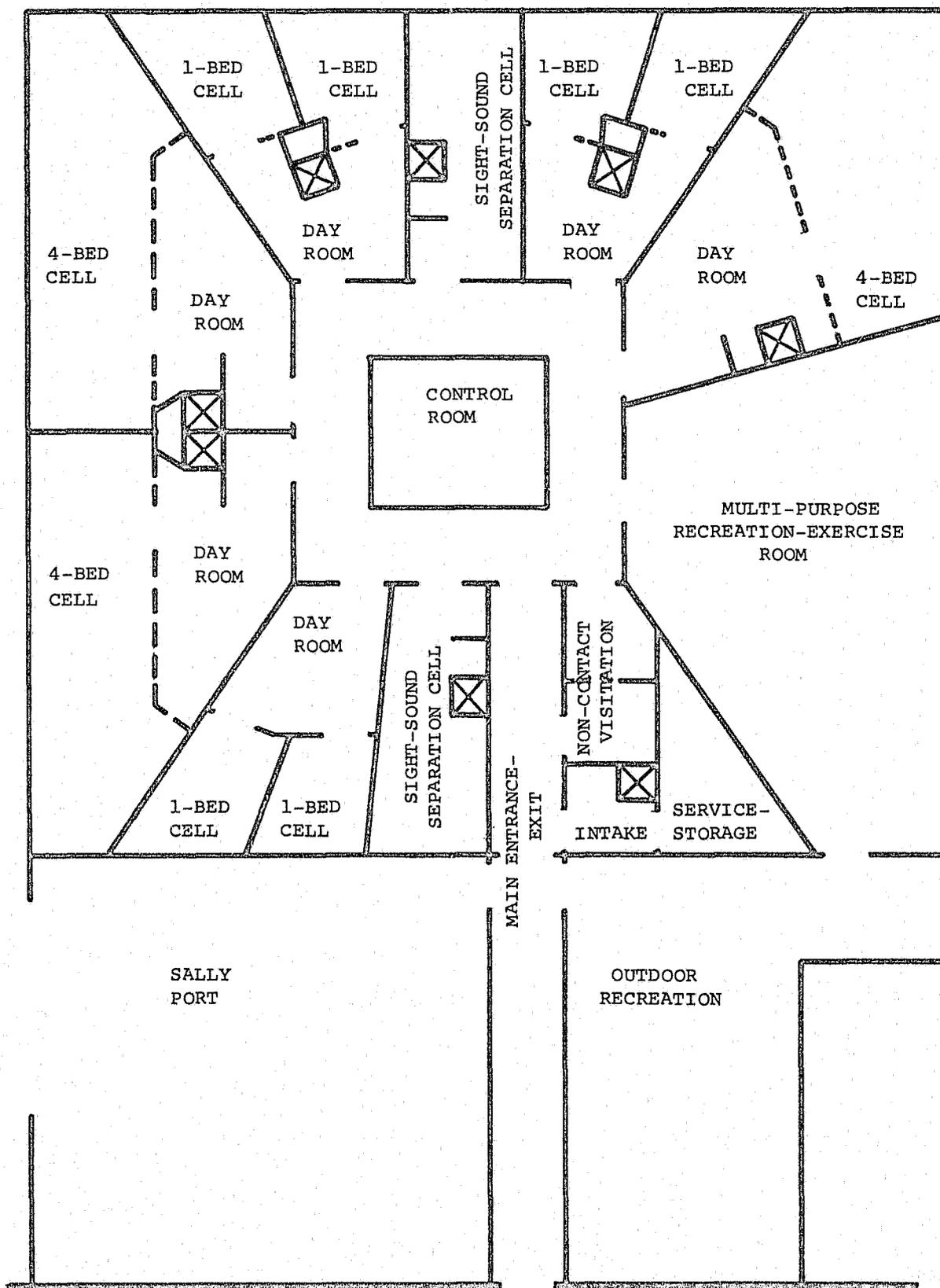
Eagle County, Eagle

**Contact:** Sheriff A.J. Johnson, Eagle County Jail, P.O. Box 359, Eagle, CO 81631, 303-328-6611

**Architect:** MDF Detention/Corrections Facilities, Inc., P.O. Box 979, Fort Collins, CO 80522, 303-223-7851

**Construction manager:** None

<p><b>Groundbreaking:</b> June 1983 <b>Finish date:</b> November 1983 <b>Construction time:</b> 6 months</p>	<p><b>Design capacity:</b> 20 <b>Total cost:</b> \$563,000 <b>Total annual operating costs:</b> N/A (addition)</p>	<p><b>Category:</b> New, ancillary building <b>Facility type:</b> County jail <b>Building configuration:</b> Integrated structure</p>
<p><b>Costs</b></p> <p>Total: \$563,000 Building only: \$502,500 Housing area: Unknown Housing per inmate: Unknown Housing per cell: Unknown Total per inmate: \$28,150 Total per GSF: \$118.23 Total annual operating costs: N/A (addition)</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 3,330 Gross square feet/other: 1,432 Gross square feet/total: 4,762 Housing area square feet: 3,330 Gross square feet per inmate: 166 Size of cells: Varies Net/gross square feet: 93%</p> <p><b>Construction type</b></p> <p>Structural: Steel frame, modular units Exterior walls: Building panels over steel Interior walls: Steel Exterior surface/facade: Epoxy</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod Cells per unit: 9 Inmates per unit: 20 Management type: Remote surveillance October 1985 population: 19 Facility commitment: Local jail inmates; State prisoners Means to handle crowding: N/A</p>
<p><b>Security</b></p> <p>Perimeter: Building exterior only Inmate security level: Maximum: 10% Medium: 90% Minimum: 0</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 0 Double occupancy: 4 Dorms: 12 Other: 0 Special housing: 4 General population: 16 Total: 20</p> <p><b>Current staff</b></p> <p>Full-time equivalent: Administration: 1 Security: 6 Programs/treatment: N/A Maintenance: N/A Total: 7 (addition only) Current inmate/staff ratio: 2.71:1</p>	<p><b>Construction process</b></p> <p>Finance method: G.O. Bonds (sales tax); local funds Contract method: Turn-key design and build Use of inmate labor: None Use of prefabrication: Extensive; modular units factory assembled</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel Doors/type: Swinging Doors/locking: Remote locking; manual locking Floor surface: Epoxy coating Intercom: Two-way to cells and common areas HVAC: Heating/air circulation only; GFA heating plant Plumbing: Stainless Furniture: Steel Fire protection: Smoke detectors for cells; smoke evacuation system</p>		<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs: Positive: Use of prefabricated components, factory assembly; simple construction methods, repetitiveness of design Negative: Government procedures, regulations, "red tape"</p> <p>Factors affecting time schedule: Positive: Use of prefabricated components, factory assembly; simple construction methods; coordination of design, construction/owner Negative: Slow responses and delivery from vendors, suppliers; government procedures, regulations, "red tape"</p>



# Garfield County Jail (Expansion)

Responsible official: Sheriff Verne Soucie

Colorado

Garfield County, Glenwood Springs

**Contact:** Undersheriff D. Schnider, Garfield County Jail, P.O. Box 640, Glenwood Springs, CO 81601, 303-945-0453  
**Architect/Builder:** MDF Detention/Corrections Facilities, Inc., P.O. Box 979, Fort Collins, CO 80522, 303-223-7052  
**Construction manager:** None

<b>Groundbreaking:</b> June 1982 <b>Finish date:</b> October 1982 <b>Construction time:</b> 4 months	<b>Design capacity:</b> 16 <b>Total cost:</b> \$293,000 <b>Total annual operating costs:</b> N/A (expansion)	<b>Category:</b> Expansion project <b>Facility type:</b> County jail <b>Building configuration:</b> Integrated structure
<b>Costs</b>  Total: \$293,000 Building only: \$256,000 Housing area: Unknown Housing per inmate: Unknown Housing per cell: Unknown Total per inmate: \$18,312 Total per GSF: \$108.52 Total annual operating costs: N/A (expansion)	<b>Dimensions</b>  Gross square feet/corrections: 1,600 Gross square feet/other: 1,100 Gross square feet/total: 2,700 Housing area square feet: 1,600 Gross square feet per inmate: 100 Size of cells: 160 square feet (dorms) Net/gross square feet: 93%	<b>Inmate housing areas</b>  Design: Linear, outside Cells per unit: 4 Inmates per unit: 16 Management type: Intermittent surveillance October 1985 population: 25 Facility commitment: Local jail inmates; sentenced State prisoners Means to handle crowding: Bunk beds in cell
<b>Security</b>  Perimeter: Building exterior only Inmate security level: Maximum: 0 Medium: 100% Minimum: 0	<b>Construction type</b>  Structural: Steel frame Exterior walls: Steel panels Interior walls: Steel panels Exterior surface/facade: Steel panels	<b>Construction process</b>  Finance method: Local funds Contract method: Turn-key design and build Use of inmate labor: None Use of prefabrication: Extensive, relocatable steel modules
<b>Inmate cells</b>  Doors/material: Steel Doors/type: Swinging Doors/locking: Remote locking; manual locking Floor surface: Epoxy coating Intercom: Two-way to cells and common areas HVAC: Air conditioning Plumbing: Stainless steel Furniture: Steel Fire protection: Smoke detectors for cells and common areas	<b>Inmate design capacity</b>  Single occupancy: 0 Double occupancy: 4 Dorms: 12 Other: 0 Special housing: 0 General population: 16 Total: 16	<b>Architect's reported analyses</b>  Factors affecting construction costs: Positive: Use of prefabricated components, factory assembly; simple construction methods, repetitiveness of design; phased construction, fast track construction management Negative: Difficult site conditions
	<b>Current staff</b>  Full-time equivalent: Administration: N/A Security: 5 Programs/treatment: N/A Maintenance: N/A Total: 5 (expansion only) Current inmate/staff ratio: 5:1	Factors affecting time schedule: Positive: Use of prefabricated components, factory assembly; simple construction methods, repetitiveness of design; coordination of design, construction/owner Negative: Slow responses and delivery from vendors, suppliers

(No floorplan available at time of publication)

# Pitkin County Jail

Responsible official: Sheriff Richard Kienast

Colorado

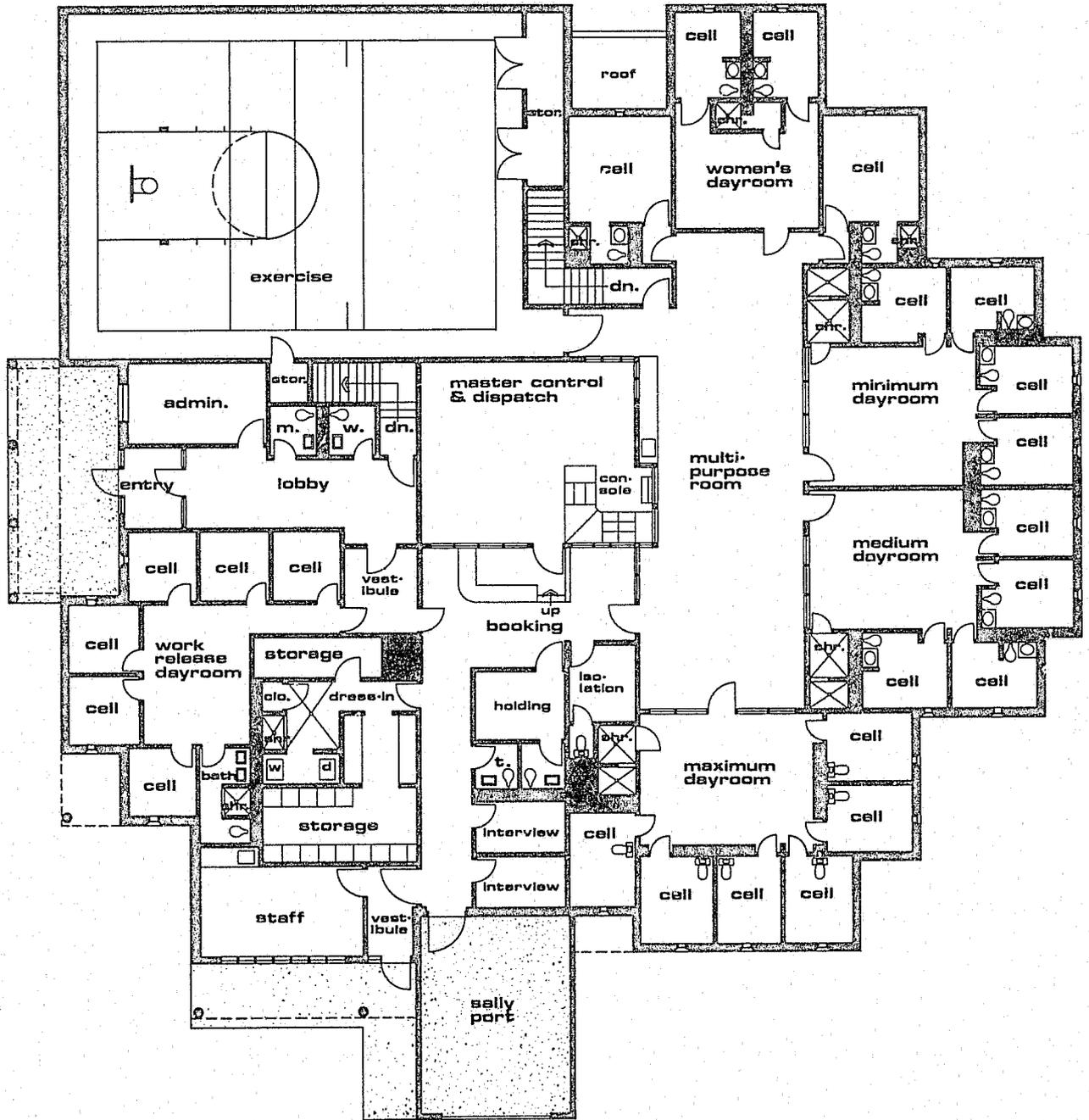
Pitkin County, Aspen

**Contact:** Lorrie White, Jail Administrator, Pitkin County Jail, 506 East Main Street, Aspen, CO 81611, 303-925-3232

**Architect:** Caudill Gustafson & Associates Architects, P.C., P.O. Box FF, Aspen, CO 81612, 303-925-3383

**Construction manager:** Newstrom-Davis, 2000 West 8th Avenue, Denver, CO 80204, 303-623-3171

<p><b>Groundbreaking:</b> October 1982 <b>Finish date:</b> September 1983 <b>Construction time:</b> 11 months</p>	<p><b>Design capacity:</b> 25 <b>Total cost:</b> \$1,685,950 <b>Total annual operating costs:</b> \$700,000</p>	<p><b>Category:</b> New, ancillary building; phased project (future) <b>Facility type:</b> Complex: county jail, law enforcement admin., shell <b>Building configuration:</b> Integrated structure</p>
<p><b>Costs</b></p> <p>Total: \$1,685,950 Building only: \$1,665,950 Housing area: \$818,650 Housing per inmate: \$51,166 Housing per cell: \$51,166 Total per inmate: N/A (complex) Total per GSF: N/A (phased project) Total annual operating costs: \$700,000</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 10,478 Gross square feet/other: 5,948 Gross square feet/total: 16,426 Housing area square feet: 7,976 Gross square feet per inmate: 419 Size of cells: 80 square feet (single) Net/gross square feet: 83%</p> <p><b>Construction type</b></p> <p>Structural: Steel frame Exterior walls: CMU block; brick Interior walls: CMU block Exterior surface/facade: Brick</p> <p><b>Inmate design capacity</b></p> <p>Single occupancy: 16 Double occupancy: 0 Dorms: 0 Other: 0 Special housing: 9 General population: 16 Total: 25</p> <p><b>Current staff</b></p> <p>Full-time equivalent: Administration: 1 Security: 8 Programs/treatment: Contracted and volunteers Maintenance: Contracted Total: 9 Current inmate/staff ratio: 2.2:1</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod Cells per unit: 2 to 6 Inmates per unit: 2 to 6 Management type: Direct supervision October 1985 population: 20 Facility commitment: Local jail inmates Means to handle crowding: Beds in dayroom</p> <p><b>Construction process</b></p> <p>Finance method: G.O. Bonds; special election Contract method: CM fast track; stipulated sum after subcontracts awarded Use of inmate labor: None Use of prefabrication: Limited</p> <p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs: Positive: Use of prefabricated components, factory assembly; use of many nonsecurity components Negative: Difficult site conditions (prominent site); complex electronic control system; weather problems (early winter)</p> <p>Factors affecting time schedule: Positive: None Negative: Slow responses and delivery from vendors, suppliers; user changes during construction</p>
<p><b>Security</b></p> <p>Perimeter: Building exterior only Inmate security level: Maximum: 25% Medium: 50% Minimum: 25%</p>		
<p><b>Inmate cells</b></p> <p>Doors/material: Wooden; steel Doors/type: Swinging Doors/locking: Remote locking only Floor surface: Carpet; vinyl tile; synthetic gym floor Intercom: One-way to cells; call button only HVAC: Heating/air circulation; passive hybrid solar system; hot air/gas heating Plumbing: Stainless steel; china; enameled steel Furniture: Wood; concrete (max.) Fire protection: Smoke detectors for cells and common areas; sprinklers for common areas</p>		



# Delaware Correctional Center (Maximum Security) (Addition)

Delaware

Responsible official: Ray Jones, Director

Smyrna

**Contact:** Warden Walter Redman, Delaware Correctional Center, Smyrna, DE 19977, 302-653-9261

**Architect:** Weymouth Architects, A.I.A., 901 Washington Street, Wilmington, DE 19801, 302-658-8760

**Construction manager:** None

<p><b>Groundbreaking:</b> April 1979  <b>Finish date:</b> August 1981  <b>Construction time:</b> 28 months</p>	<p><b>Design capacity:</b> 64  <b>Total cost:</b> \$5,100,000  <b>Total annual operating costs:</b> \$1,134,797 (addition only)</p>	<p><b>Category:</b> New, ancillary building  <b>Facility type:</b> State prison  <b>Building configuration:</b> Integrated structure</p>
<p><b>Costs</b></p> <p>Total: \$5,100,000          Building only: \$3,225,000          Housing area: Unknown          Housing per inmate: Unknown          Housing per cell: Unknown          Total per inmate: \$79,687          Total per GSF: \$221.74          Total annual operating costs: \$1,134,797 (addition only)</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 23,000          Gross square feet/other: 0          Gross square feet/total: 23,000          Housing area square feet: 18,400          Gross square feet per inmate: 359          Size of cells: 73 square feet (single)          Net/gross square feet: 86%</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod; modules (triangulated) with "dog bone" interconnect          Cells per unit: 10 to 12          Inmates per unit: 10 to 12          Management type: Remote surveillance          October 1985 population: 64          Facility commitment: State prisoners          Means to handle crowding: None</p>
<p><b>Security</b></p> <p>Perimeter: Double fence; razor wire on fence; K-9 and armed vehicle patrols          Inmate security level:          Maximum: 100%          Medium: 0          Minimum: 0</p>	<p><b>Construction type</b></p> <p>Structural: Load bearing precast panels          Exterior walls: Precast panels; CMU block          Interior walls: Precast panels; CMU block          Exterior surface/facade: Aggregate epoxy and rigid insulated facing</p>	<p><b>Construction process</b></p> <p>Finance method: G.O. Bonds; State funds          Contract method: Conventional          Use of inmate labor: None          Use of prefabrication: Extensive; precast concrete; precast structural steel inserts</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel          Doors/type: Sliding          Doors/locking: Motor driven and remote locking          Floor surface: Epoxy coating; sealed concrete          Intercom: Two-way to cell block          HVAC: Air conditioning; solar; heat recovery unit; steam heating plant          Plumbing: Stainless steel          Furniture: Steel          Fire protection: Smoke detectors and sprinklers for cells; remote alarms to guards with emergency water disconnects</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 64          Double occupancy: 0          Dorms: 0          Other: 0          Special housing: 0          General population: 64          Total: 64</p> <p><b>Current staff</b></p> <p>Full-time equivalent:          Administration: 6          Security: 38          Programs/treatment: 1          Maintenance: 5          Total: 50 (addition only)          Current inmate/staff ratio: 1.28:1</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs:          Positive: Use of prefabricated components, factory assembly          Negative: Slow construction, lengthy building time—elaborative angles; difficult site conditions (high water table); complex mechanical system; low bid system          Factors affecting time schedule:          Positive: Use of prefabricated components, factory assembly; repetitiveness of design; advanced order of materials; coordination, construction/owner          Negative: Slow delivery of detention hardware; labor problems; complex mechanical system (detention hardware)</p>

**Delaware Correctional Center (Maximum Security) (Addition)****Delaware**

Responsible official: Ray Jones, Director

Smyrna

**Contact:** Warden Walter Redman, Delaware Correctional Center, Smyrna, DE 19977, 302-653-9261  
**Architect:** Weymouth Architects, A.I.A., 901 Washington Street, Wilmington, DE 19801, 302-658-8760  
**Construction manager:** None

<p><b>Groundbreaking:</b> April 1979  <b>Finish date:</b> August 1981  <b>Construction time:</b> 28 months</p>	<p><b>Design capacity:</b> 64  <b>Total cost:</b> \$5,100,000  <b>Total annual operating costs:</b>  \$1,134,797 (addition only)</p>	<p><b>Category:</b> New, ancillary building  <b>Facility type:</b> State prison  <b>Building configuration:</b> Integrated structure</p>
<p><b>Costs</b></p> <p>Total: \$5,100,000  Building only: \$3,225,000  Housing area: Unknown  Housing per inmate: Unknown  Housing per cell: Unknown  Total per inmate: \$79,687  Total per GSF: \$221.74  Total annual operating costs: \$1,134,797 (addition only)</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 23,000  Gross square feet/other: 0  Gross square feet/total: 23,000  Housing area square feet: 18,400  Gross square feet per inmate: 359  Size of cells: 73 square feet (single)  Net/gross square feet: 86%</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod; modules (triangulated) with "dog bone" interconnect  Cells per unit: 10 to 12  Inmates per unit: 10 to 12  Management type: Remote surveillance  October 1985 population: 64  Facility commitment: State prisoners  Means to handle crowding: None</p>
<p><b>Security</b></p> <p>Perimeter: Double fence; razor wire on fence; K-9 and armed vehicle patrols  Inmate security level:  Maximum: 100%  Medium: 0  Minimum: 0</p>	<p><b>Construction type</b></p> <p>Structural: Load bearing precast panels  Exterior walls: Precast panels; CMU block  Interior walls: Precast panels; CMU block  Exterior surface/facade: Aggregate epoxy and rigid insulated facing</p>	<p><b>Construction process</b></p> <p>Finance method: G.O. Bonds; State funds  Contract method: Conventional  Use of inmate labor: None  Use of prefabrication: Extensive; precast concrete; precast structural steel inserts</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel  Doors/type: Sliding  Doors/locking: Motor driven and remote locking  Floor surface: Epoxy coating; sealed concrete  Intercom: Two-way to cell block  HVAC: Air conditioning; solar; heat recovery unit; steam heating plant  Plumbing: Stainless steel  Furniture: Steel  Fire protection: Smoke detectors and sprinklers for cells; remote alarms to guards with emergency water disconnects</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 64  Double occupancy: 0  Dorms: 0  Other: 0  Special housing: 0  General population: 64  Total: 64</p> <p><b>Current staff</b></p> <p>Full-time equivalent:  Administration: 6  Security: 38  Programs/treatment: 1  Maintenance: 5  Total: 50 (addition only)  Current inmate/staff ratio: 1.28:1</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs:  Positive: Use of prefabricated components, factory assembly  Negative: Slow construction, lengthy building time—elaborative angles; difficult site conditions (high water table); complex mechanical system; low bid system  Factors affecting time schedule:  Positive: Use of prefabricated components, factory assembly; repetitiveness of design; advanced order of materials; coordination, construction/owner  Negative: Slow delivery of detention hardware; labor problems; complex mechanical system (detention hardware)</p>

# Alachua County Corrections Facility (Expansion/Remodel)

Responsible official: Acting Director Tom L. Allison

Florida

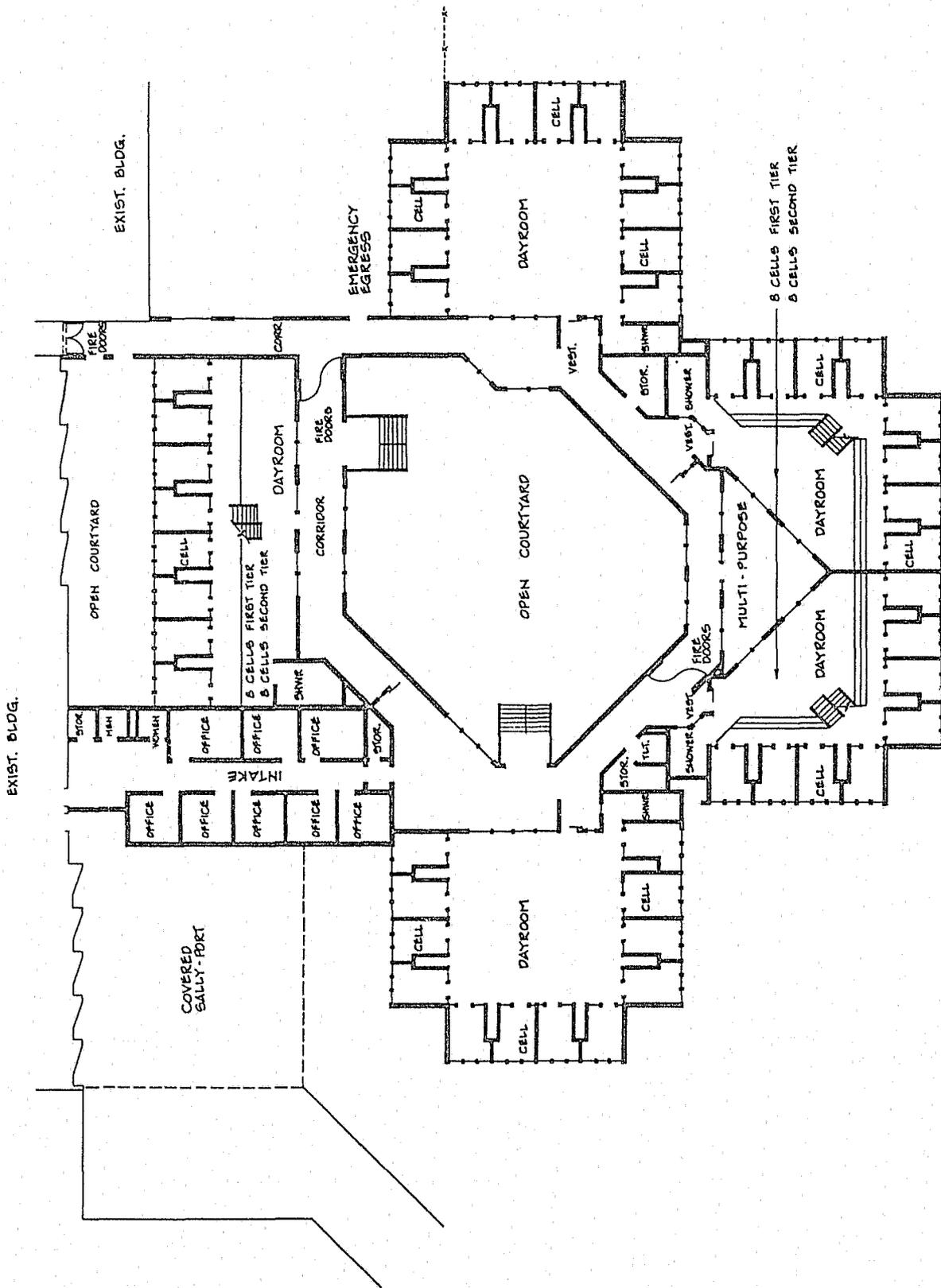
Alachua County, Gainesville

**Contact:** Tom L. Allison, Acting Director, Alachua County Corrections Facility, 3333 Northeast 39th Avenue, Gainesville, FL 32601, 904-377-1040

**Architect:** Flad & Associates, 3300 Southwest Archer Road, Gainesville, FL 32608, 904-377-6884

**Construction manager:** None

<p><b>Groundbreaking:</b> February 1983  <b>Finish date:</b> June 1985  <b>Construction time:</b> 29 months</p>	<p><b>Design capacity:</b> 292  <b>Total cost:</b> \$2,800,000  <b>Total annual operating costs:</b> \$4,643,382</p>	<p><b>Category:</b> Remodeling/renovation; expansion; temporary housing  <b>Facility type:</b> County jail; drug rehabilitation  <b>Building configuration:</b> Courtyard</p>
<p><b>Costs</b></p> <p>Total: \$2,800,000          Building only: \$2,600,000          Housing area: Unknown          Housing per inmate: Unknown          Housing per cell: Unknown          Total per inmate: N/A (remodel)          Total per GSF: \$112.00          Total annual operating costs: \$4,643,382</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 25,000          Gross square feet/other: 0          Gross square feet/total: 25,000          Housing area square feet: 20,000          Gross square feet per inmate: 86          Size of cells: 63 square feet (single)          Net/gross square feet: 92%</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod          Cells per unit: 16          Inmates per unit: 16          Management type: Direct supervision          October 1985 population: 249          Facility commitment: Local jail inmates          Means to handle crowding: Mattresses on floor; beds in dayroom</p>
<p><b>Security</b></p> <p>Perimeter: Building exterior; patrols          Inmate security level:              Maximum: 10%              Medium: 70%              Minimum: 20%</p>	<p><b>Construction type</b></p> <p>Structural: Cast-in-place concrete frame          Exterior walls: CMU block          Interior walls: CMU block          Exterior surface/facade: Stucco</p>	<p><b>Construction process</b></p> <p>Finance method: Local funds          Contract method: Conventional          Use of inmate labor: None          Use of prefabrication: None</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel          Doors/type: Swinging          Doors/locking: Remote locking; manual locking          Floor surface: Linoleum; carpet dayroom and corridors          Intercom: Two-way from wing to central control          HVAC: Central air conditioning; zone electric          Plumbing: Stainless          Furniture: Wood          Fire protection: Smoke detectors and sprinklers for cells and common areas; manual alarm stations</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 190          Double occupancy: 0          Dorms: 90          Other: 0          Special housing: 12          General population: 280          Total: 292</p> <p><b>Current staff</b></p> <p>Full-time equivalent:              Administration: 28              Security: 106              Programs/treatment: 23              Maintenance: 5              Total: 162          Current inmate/staff ratio: 1.54:1</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs:          Positive: Simple construction methods, repetitiveness of design; less expensive materials and hardware; good competition, favorable market          Negative: Complex electronic, mechanical, and electrical systems</p> <p>Factors affecting time schedule:          Positive: Simple construction methods, repetitiveness of design; coordination of design, construction/owner          Negative: Complex electronic, mechanical, and electrical systems; multiple agency reviews</p>



GROUND FLOOR PLAN

# Federal Correctional Institution (Addition)

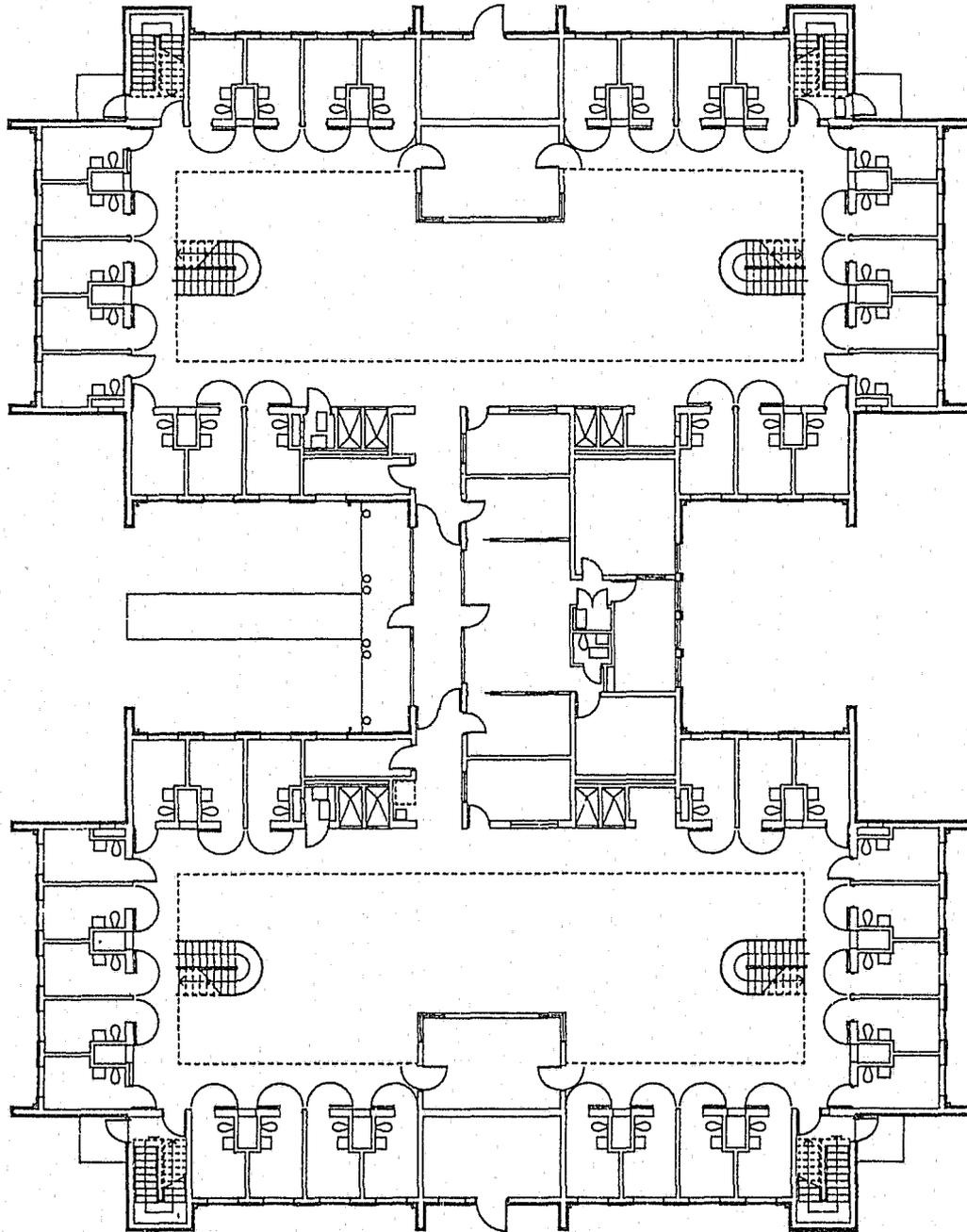
Responsible official: Warden M.C. Lennon, Jr.

Florida

Tallahassee

**Contact:** Warden M.C. Lennon, Jr., Federal Correctional Institution, Capital Circle East, Tallahassee, FL 32317, 904-878-2173  
**Architect:** Jim Roberson & Associates, Inc., 2551 Blairstone Pines Drive, Tallahassee, FL 32301, 904-878-7891  
**Construction manager:** None

<p><b>Groundbreaking:</b> March 1984  <b>Finish date:</b> December 1985  <b>Construction time:</b> 21 months</p>	<p><b>Design capacity:</b> 98  <b>Total cost:</b> \$1,738,932  <b>Total annual operating costs:</b>  N/A (addition)</p>	<p><b>Category:</b> New, ancillary building  <b>Facility type:</b> Federal prison  <b>Building configuration:</b> Integrated structure</p>
<p><b>Costs</b></p> <p>Total: \$1,738,932  Building only: \$1,710,932  Housing area: \$1,707,932  Housing per inmate: \$17,428  Housing per cell: \$17,428  Total per inmate: \$17,744  Total per GSF: \$67.04  Total annual operating costs: N/A (addition)</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 25,938  Gross square feet/other: 0  Gross square feet/total: 25,938  Housing area square feet: 25,722  Gross square feet per inmate: 265  Size of cells: 70 square feet (single)  Net/gross square feet: 81%</p> <p><b>Construction type</b></p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod  Cells per unit: 49  Inmates per unit: 49  Management type: Direct supervision  October 1985 population: 190  Facility commitment: Federal prisoners  Means to handle crowding: Second bunk on wall</p>
<p><b>Security</b></p> <p>Perimeter: Double fence; alarm/detection systems; razor wire on and between fences; patrols  Inmate security level:  Maximum: 0  Medium: 100%  Minimum: 0</p>	<p>Structural: Load bearing CMU and steel roof trusses  Exterior walls: CMU block; brick  Interior walls: CMU block  Exterior surface/facade: Brick; architectural concrete trim</p> <p><b>Inmate design capacity</b></p>	<p><b>Construction process</b></p> <p>Finance method: Federal funds  Contract method: Conventional  Use of inmate labor: None  Use of prefabrication: None</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Solid; wooden  Doors/type: Swinging  Doors/locking: Manual locking  Floor surface: Sealed concrete  Intercom: None  HVAC: Heating/air circulation only; gas heating plant  Plumbing: China  Furniture: Steel; wood  Fire protection: Smoke detectors and sprinklers for cells and common areas; manual alarm stations</p>	<p>Single occupancy: 98  Double occupancy: 0  Dorms: 0  Other: 0  Special housing: 0  General population: 98  Total: 98</p> <p><b>Current staff</b></p> <p>Full-time equivalent:  Administration: 1  Security: 2  Programs/treatment: 6  Maintenance: N/A  Total: 9 (addition only)  Current inmate/staff ratio: 21.1:1</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs:  Positive: Simple construction methods, repetitiveness of design; good competition, favorable market; less expensive materials and hardware  Negative: Government procedures, regulations, "red tape"</p> <p>Factors affecting time schedule:  Positive: Simple construction methods, repetitiveness of design  Negative: Slow responses and delivery from vendors, suppliers; weather problems; government procedures, regulations, "red tape"</p>



# Marion County Detention Center

Responsible official: Sheriff Don R. Moreland

Florida

Marion County, Ocala

**Contact:** Captain John Pauls, Marion County Detention Center, 700 Northwest 35th Street, Ocala, FL 32675, 904-721-8100  
**Architect:** Justice Systems, Inc., 348 Peachtree Street Northeast, Atlanta, GA 30308, 404-577-3184  
**Construction manager:** Rosser, White, Hobbs, Davidson, McClennan, Kelly, Inc., 524 West Peachtree Street NW., Atlanta, GA 30308, 404-876-3800

<b>Groundbreaking:</b> February 1983 <b>Finish date:</b> May 1985 <b>Construction time:</b> 27 months	<b>Design capacity:</b> 390 <b>Total cost:</b> \$8,648,000 <b>Total annual operating costs:</b> \$3,917,824	<b>Category:</b> New, independent facility <b>Facility type:</b> County jail <b>Building configuration:</b> Wings connecting housing pods
<b>Costs</b>  Total: \$8,648,000 Building only: \$8,200,000 Housing area: \$6,500,000 Housing per inmate: \$16,667 Housing per cell: \$16,667 Total per inmate: \$22,174 Total per GSF: \$45.75 Total annual operating costs: \$3,917,824	<b>Dimensions</b>  Gross square feet/corrections: 189,033 Gross square feet/other: 0 Gross square feet/total: 189,033 Housing area square feet: 137,066 Gross square feet per inmate: 485 Size of cells: 83 square feet (single) Net/gross square feet: 77%	<b>Inmate housing areas</b>  Design: Module/pod Cells per unit: 96 Inmates per unit: 96 Management type: Remote surveillance October 1985 population: 279 Facility commitment: Local jail inmates and State prisoners Means to handle crowding: Bunk beds in cell; beds in dayroom; mobile home; National Guard Armory
<b>Security</b>  Perimeter: Building exterior; single fence Inmate security level: Maximum: 25% Medium: 75% Minimum: 0	<b>Construction type</b>  Structural: Steel frame Exterior walls: CMU block Interior walls: Precast panels; cast-in-place concrete Exterior surface/facade: CMU block	<b>Construction process</b>  Finance method: G.O. Bonds Contract method: Conventional Use of inmate labor: None Use of prefabrication: Limited
<b>Inmate cells</b>  Doors/material: Solid steel Doors/type: Sliding (max.); swinging (med.) Doors/locking: Remote locking only (max.); motor driven and remote locking (med.) Floor surface: Sealed concrete Intercom: Two-way to common areas HVAC: Air conditioning Plumbing: Stainless; china Furniture: Steel Fire protection: Smoke detectors and sprinklers for cells and common areas	<b>Inmate design capacity</b>  Single occupancy: 384 Double occupancy: 0 Dorms: 0 Other: 0 Special housing: 6 General population: 384 Total: 390  <b>Current staff</b>  Full-time equivalent: Administration: 15 Security: 72 Programs/treatment: 5 Maintenance: 7 Total: 99 Current inmate/staff ratio: 2.82:1	<b>Architect's reported analyses</b>  Factors affecting construction costs: Positive: Simple construction methods, repetitiveness of design; good competition, favorable market Negative: Slow construction, lengthy building time; government procedures, regulations, "red tape"  Factors affecting time schedule: Positive: Simple construction methods, repetitiveness of design; coordination of design, construction/owner Negative: Labor problems; weather problems; government procedures, regulations, "red tape"

(No floorplan available at time of publication)

# Pinellas County Jail—Medium Security Facility (Addition)

Responsible official: Sheriff Gerry Coleman

Florida

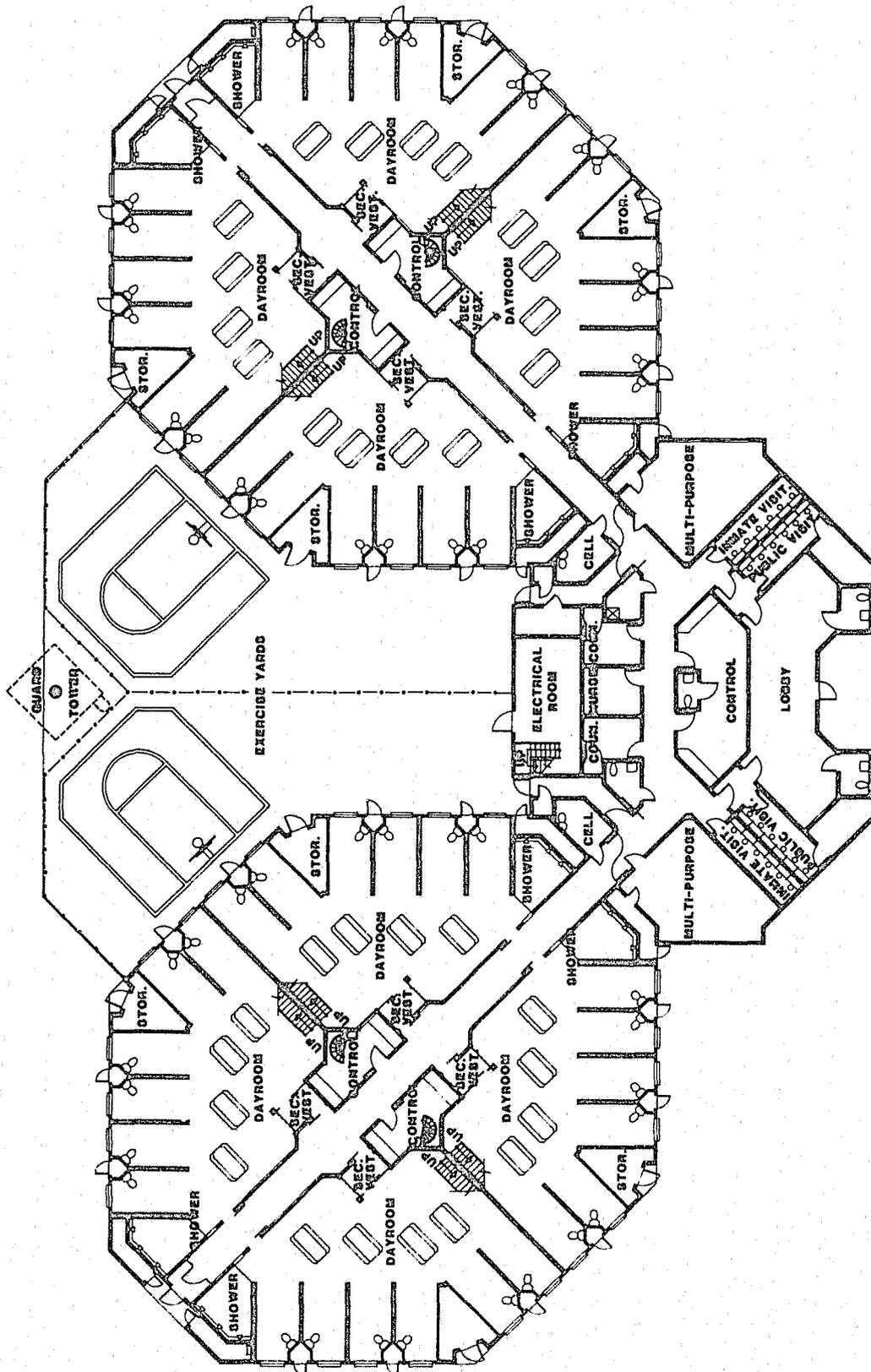
Pinellas County, Clearwater

**Contact:** Walter L. Jacques, Project Coordinator, Pinellas County Detention Complex, Building C, 14400 49th Street North, Clearwater, FL 33520, 813-535-6415

**Architect:** Watson and Company, 3010 Azelee Street, Tampa, FL 33679, 813-876-2411

**Construction manager:** Peter Brown Company, 1475 Belcher Road South, Clearwater, FL 33518, 813-531-1466

<p><b>Groundbreaking:</b> May 1984  <b>Finish date:</b> March 1985  <b>Construction time:</b> 10 months</p>	<p><b>Design capacity:</b> 194  <b>Total cost:</b> \$2,976,221  <b>Total annual operating costs:</b> N/A (addition)</p>	<p><b>Category:</b> New, ancillary building  <b>Facility type:</b> County jail  <b>Building configuration:</b> Integrated structure</p>
<p><b>Costs</b></p> <p>Total: \$2,976,221          Building only: \$2,787,600          Housing area: N/A          Housing per inmate: N/A          Housing per cell: N/A          Total per inmate: \$15,341          Total per GSF: \$99.26          Total annual operating costs: N/A (addition)</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 29,985          Gross square feet/other: 0          Gross square feet/total: 29,985          Housing area square feet: 24,382          Gross square feet per inmate: 155          Size of cells: 92 square feet (double)          Net/gross square feet: 68%</p> <p><b>Construction type</b></p> <p>Structural: Cast-in-place concrete frame; precast concrete cells          Exterior walls: Precast cells; cast-in-place concrete; CMU block          Interior walls: Precast cells; cast-in-place concrete; CMU block          Exterior surface/facade: Stucco; paint</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod          Cells per unit: 48          Inmates per unit: 96          Management type: Remote surveillance          October 1985 population: 194          Facility commitment: Local jail inmates          Means to handle crowding: Beds in dayroom</p>
<p><b>Security</b></p> <p>Perimeter: Double fence; razor wire on fence; towers; patrols          Inmate security level:          Maximum: 0          Medium: 100%          Minimum: 0</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 0          Double occupancy: 192          Dorms: 0          Other: 0          Special housing: 2          General population: 192          Total: 194</p> <p><b>Current staff</b></p> <p>Full-time equivalent:          Administration: N/A          Security: 35          Programs/treatment: 2          Maintenance: N/A          Total: 37 (addition only)          Current inmate/staff ratio: 5.24:1</p>	<p><b>Construction process</b></p> <p>Finance method: Ad valorem funds, budget allocation          Contract method: Conventional          Use of inmate labor: None          Use of prefabrication: Extensive</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel          Doors/type: Sliding          Doors/locking: Motor driven and remote locking          Floor surface: Sealed concrete          Intercom: Two-way to cells and common areas          HVAC: Air conditioning; electric heating plant          Plumbing: Stainless combination unit          Furniture: Steel          Fire protection: Smoke detectors and sprinklers for cells and common areas; manual alarm stations</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs:          Positive: Use of prefab. components, simple construction methods, repetitiveness of design, phased construction, fast track CM          Negative: Difficult site conditions; government procedures, "red tape"</p> <p>Factors affecting time schedule:          Positive: Use of prefab. components, factory assembly; simple construction methods, repetitiveness of design; coordination of design, construction/owner          Negative: Government "red tape"; complex electronic, mechanical, and electrical systems</p>	



# Union Correctional Institution (Addition)

Responsible official: Superintendent Thomas Barton

Florida

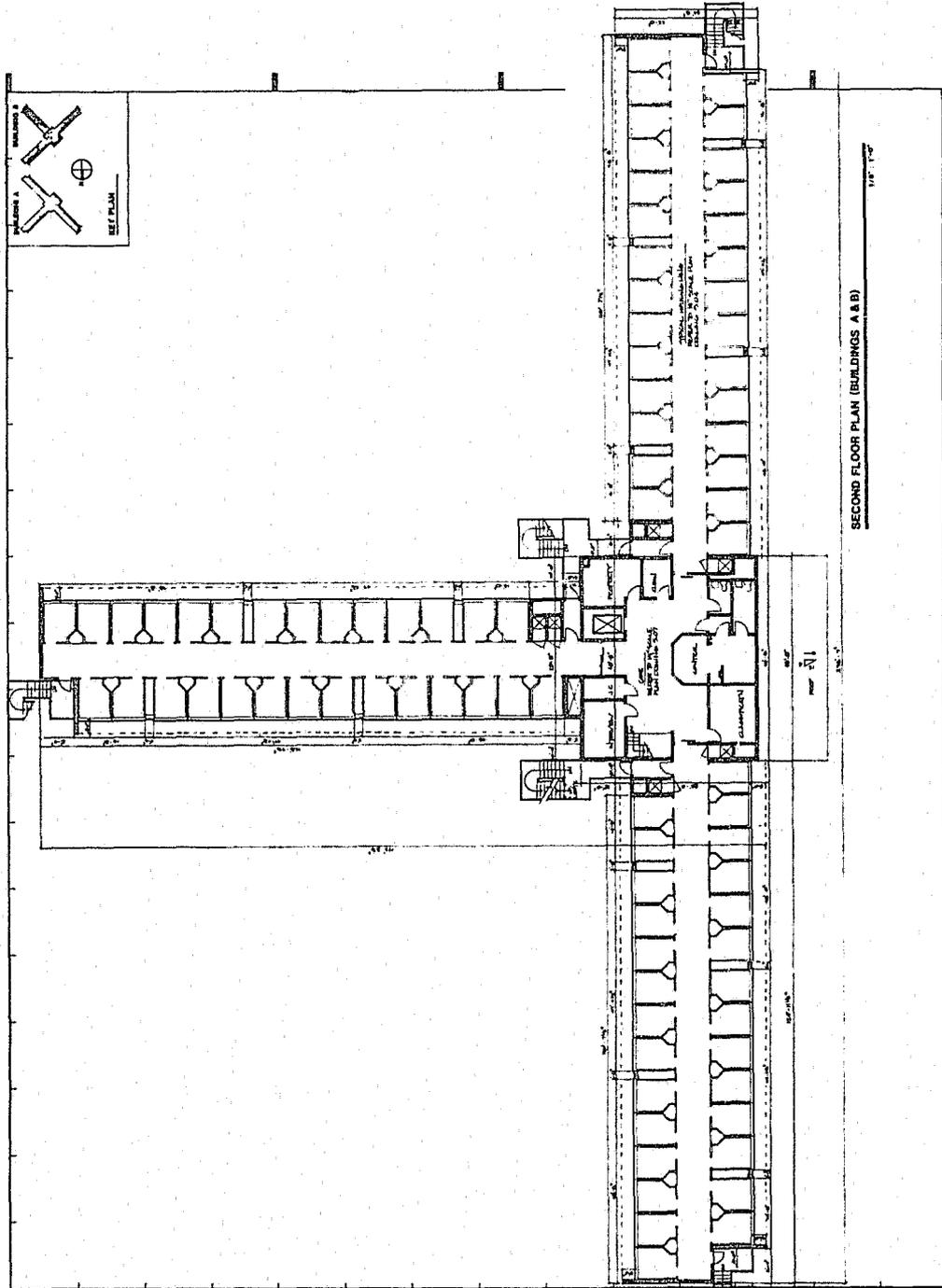
Raiford

**Contact:** Superintendent Thomas Barton, Union Correctional Institution, P.O. Box 221, Raiford, FL 32083, 904-431-1212

**Architect:** Hansen Lind Meyer P.C., 455 South Orange Avenue, Orlando, FL 32801, 305-422-7061

**Construction manager:** Federal Construction Company, 255 South Orange Avenue, Orlando, FL 32801, 305-843-5241

<p><b>Groundbreaking:</b> September 1984 <b>Finish date:</b> June 1985 <b>Construction time:</b> 8 months</p>	<p><b>Design capacity:</b> 336 <b>Total cost:</b> \$5,773,179 <b>Total annual operating costs:</b> N/A (addition)</p>	<p><b>Category:</b> New, ancillary building <b>Facility type:</b> State prison <b>Building configuration:</b> Wheel</p>
<p><b>Costs</b></p> <p>Total: \$5,773,179 Building only: \$5,522,000 Housing area: \$5,522,000 Housing per inmate: \$16,435 Housing per cell: \$16,435 Total per inmate: \$17,182 Total per GSF: \$100.37 Total annual operating costs: N/A (addition)</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 57,520 Gross square feet/other: 0 Gross square feet/total: 57,520 Housing area square feet: N/A Gross square feet per inmate: 171 Size of cells: 67.5 square feet (single) Net/gross square feet: N/A</p> <p><b>Construction type</b></p>	<p><b>Inmate housing areas</b></p> <p>Design: Linear/outside Cells per unit: 168 Inmates per unit: 168 Management type: Remote surveillance October 1985 population: 336 Facility commitment: State prisoners Means to handle crowding: No crowding permitted</p>
<p><b>Security</b></p> <p>Perimeter: Triple fence; alarm/detection systems; razor wire on and between fences; towers; patrols Inmate security level: Maximum: 100% Medium: 0 Minimum: 0</p>	<p>Structural: Precast concrete frame; precast cells Exterior walls: CMU block; precast cells Interior walls: Cast-in-place concrete; precast cells and floor planks Exterior surface/facade: Stucco; paint; exterior insulation system at core</p> <p><b>Inmate design capacity</b></p>	<p><b>Construction process</b></p> <p>Finance method: State funds Contract method: Construction management fast track Use of inmate labor: Moderate use of general unskilled labor Use of prefabrication: Extensive use for cells, support area floors and roof</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel Doors/type: Sliding Doors/locking: Motor driven and remote locking Floor surface: Sealed concrete Intercom: Two-way to cells HVAC: Heating/air circulation only; boiler, steam coils Plumbing: Stainless Furniture: Steel Fire protection: Smoke detectors for common areas and cell sprinklers; sprinklers for cells and common areas</p>	<p>Single occupancy: 336 Double occupancy: 0 Dorms: 0 Other: 0 Special housing: 0 General population: 336 Total: 336</p> <p><b>Current staff</b></p> <p>Full-time equivalent: Administration: N/A Security: 38 Programs/treatment: N/A Maintenance: N/A Total: 38 (addition only) Current inmate/staff ratio: 8.84:1</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs: Positive: Precast cells; phased construction, fast track construction management (long lead items) Negative: High water table; rural location (lack of experienced labor)</p> <p>Factors affecting time schedule: Positive: Precast cells; precast repetition, simple plan; multiple bid groups; advanced order of security elements; coordination of design, construction/owner Negative: Labor problems (rural area)</p>



# Dooly County Jail (Expansion)

Responsible official: Sheriff L. Van Peavy

Georgia

Dooly County, Vienna

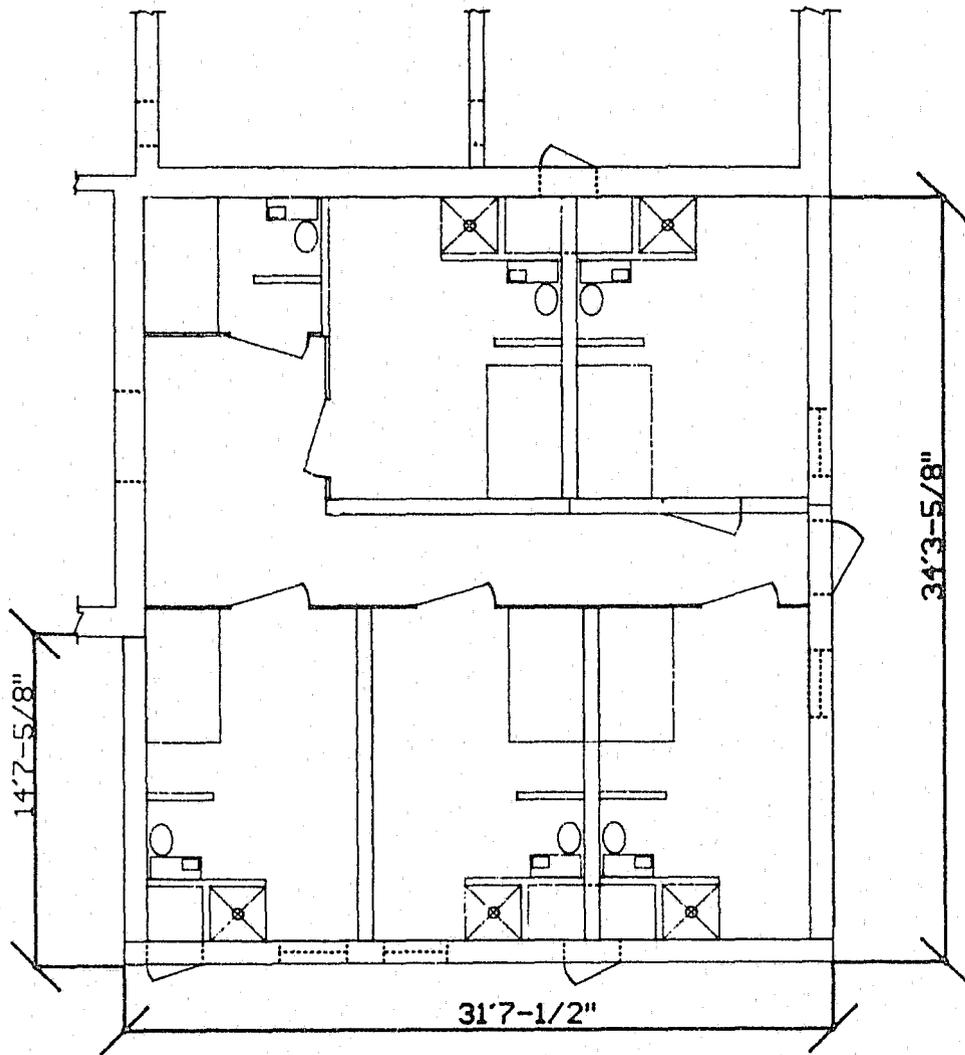
**Contact:** Sheriff L. Van Peavy, Dooly County Jail, P.O. Box 322, Vienna, GA 31092, 912-268-4128

**Architect:** M.G. Turner and Associates, 513 East 10th Street, Rome, GA 30161, 404-232-4456

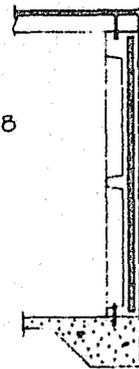
**Original design and precast by:** Design Concrete, Inc., P.O. Box 2828, Rome, GA 30164, 404-295-7676

**Construction manager:** Grover Tuten, Route #1, Box 185, Harlem, GA 30814, 404-556-9885

<b>Groundbreaking:</b> June 1985 <b>Finish date:</b> October 1985 <b>Construction time:</b> 4 months	<b>Design capacity:</b> 11 <b>Total cost:</b> \$78,000 <b>Total annual operating costs:</b> N/A (expansion)	<b>Category:</b> Expansion project <b>Facility type:</b> County jail <b>Building configuration:</b> Integrated structure
<b>Costs</b>  Total: \$78,000 Building only: \$75,000 Housing area: \$78,000 Housing per inmate: \$7,091 Housing per cell: \$14,187  Total per inmate: \$7,091 Total per GSF: \$71.89  Total annual operating costs: N/A (expansion)	<b>Dimensions</b>  Gross square feet/corrections: 1,085 Gross square feet/other: 0 Gross square feet/total: 1,085 Housing area square feet: 1,085 Gross square feet per inmate: 99 Size of cells: 140 square feet (double) Net/gross square feet: 82%  <b>Construction type</b>  Structural: Load bearing precast panels Exterior walls: Precast panels (insulated) Interior walls: Precast panels Exterior surface/facade: Paint; textured concrete  <b>Inmate design capacity</b>  Single occupancy: 1 Double occupancy: 10 Dorms: 0 Other: 0 Special housing: 0 General population: 11 Total: 11  <b>Current staff</b>  Full-time equivalent: Administration: N/A Security: N/A Programs/treatment: N/A Maintenance: N/A Total: N/A (no extra staff added) Current inmate/staff ratio: Unknown	<b>Inmate housing areas</b>  Design: Linear, outside; linear, inside Cells per unit: 6 Inmates per unit: 11 Management type: Intermittent surv. October 1985 population: 10 Facility commitment: Local jail inmates and State prisoners Means to handle crowding: Bunk beds in cell; second bunk permanently attached to wall  <b>Construction process</b>  Finance method: Local funds; State funds Contract method: Subcontract in phases Use of inmate labor: Moderate; inmate labor used for site work, floor slab, plumbing Use of prefabrication: Extensive; precast loadbearing walls, roof panels
<b>Security</b>  Perimeter: Double fence Inmate security level: Maximum: 0 Medium: 90% Minimum: 10%		<b>Architect's reported analyses</b>  Factors affecting construction costs: Positive: Use of prefabricated components, factory assembly; simple construction methods, repetitiveness of design Negative: Government procedures, regulations, "red tape"; complex electronic, mechanical, and electrical systems  Factors affecting time schedule: Positive: Use of prefabricated components, factory assembly; simple construction methods, coordination of design, construction/owner Negative: Government procedures, regulations, "red tape"; complex electronic, mechanical, and electrical systems
<b>Inmate cells</b>  Doors/material: Steel Doors/type: Swinging Doors/locking: Manual locking Floor surface: Sealed concrete Intercom: Two-way to cells HVAC: Air conditioning; heating/air circulation Plumbing: Stainless steel Furniture: Steel Fire protection: Smoke detectors for cells; wired to master panel and automatic alarm		



R VALUE = 17.8



# Richmond County Law Enforcement and Justice Center

Responsible official: Sheriff Charles B. Webster

Georgia

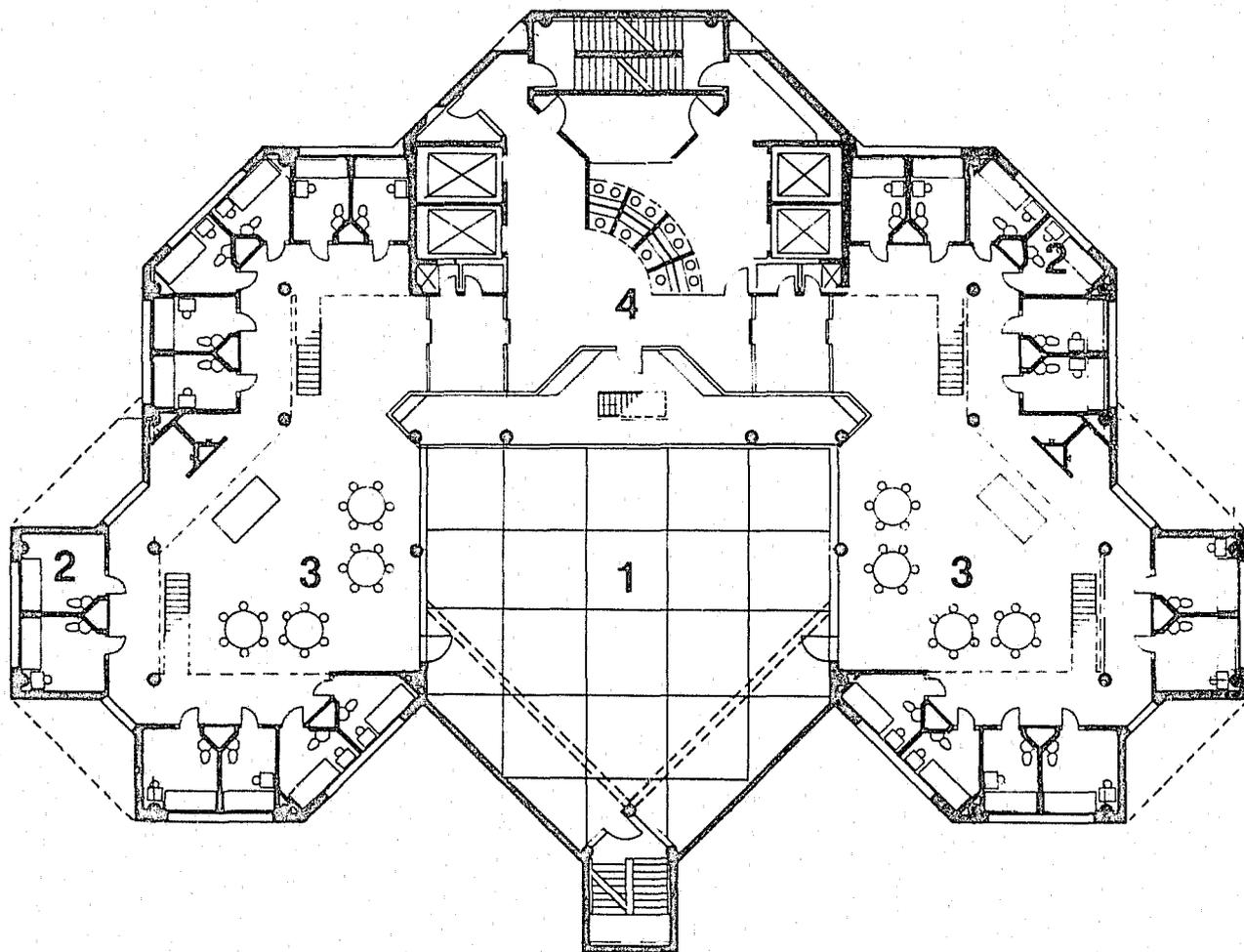
Richmond County, Augusta

**Contact:** Charles A. Toole, Sr., Chief Jailer, Richmond County Law Enforcement and Justice Center, 401 Walton Way, Augusta, GA 30901, 404-821-1005

**Architect:** Hellmuth, Obata & Kassabaum, Inc., 100 North Broadway, St. Louis, MO 63102, 314-421-2000

**Construction manager:** Mellon-Stuart Company, 540 Douglas Avenue, Altamonte Springs, FL 32701, 305-862-4400

<p><b>Groundbreaking:</b> November 1982  <b>Finish date:</b> October 1985  <b>Construction time:</b> 35 months</p>	<p><b>Design capacity:</b> 240  <b>Total cost:</b> \$15,743,000 (excl. site work)  <b>Total annual operating costs:</b> \$1,200,000</p>	<p><b>Category:</b> New, independent facility  <b>Facility type:</b> Complex: county jail, courts, law enforcement, other  <b>Building configuration:</b> High rise</p>
<p><b>Costs</b></p> <p>Total: \$15,743,000 (excl. site work)  Building only: \$15,743,000  Housing area: Unknown  Housing per inmate: Unknown  Housing per cell: Unknown  Total per inmate: N/A (complex)  Total per GSF: \$166.78  Total annual operating costs: \$1,200,000</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: Unknown  Gross square feet/other: Unknown  Gross square feet/total: 94,392  Housing area square feet: 68,210  Gross square feet per inmate: 393  Size of cells: 74 square feet (single)  Net/gross square feet: 80%</p> <p><b>Construction type</b></p> <p>Structural: Cast-in-place concrete frame  Exterior walls: Stucco  Interior walls: CMU block partitions; concrete frame, floor, and roof  Exterior surface/facade: Stucco</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod  Cells per unit: 24  Inmates per unit: 24  Management type: Remote surveillance  October 1985 population: 145  Facility commitment: Local jail inmates  Means to handle crowding: Bunk beds in cell</p>
<p><b>Security</b></p> <p>Perimeter: Single fence; perimeter alarm/detection systems  Inmate security level:  Maximum: 10%  Medium: 90%  Minimum: 0</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 240  Double occupancy: 0  Dorms: 0  Other: 0  Special housing: 0  General population: 240  Total: 240</p> <p><b>Current staff</b></p> <p>Full-time equivalent:  Administration: 8  Security: 44  Programs/treatment: 4  Maintenance: 5  Total: 61  Current inmate/staff ratio: 2.38:1</p>	<p><b>Construction process</b></p> <p>Finance method: G.O. Bonds  Contract method: Construction management fast track  Use of inmate labor: None  Use of prefabrication: None</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Wooden  Doors/type: Swinging  Doors/locking: Remote locking only  Floor surface: Sealed concrete  Intercom: One-way to common areas  HVAC: Air conditioning  Plumbing: Stainless steel; china  Furniture: Steel  Fire protection: Sprinklers for cells</p>		<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs:  Positive: Choice of exterior wall system; good bidding climate  Negative: None</p> <p>Factors affecting time schedule:  Positive: None  Negative: Indecision on city vs. county participation</p>



**Level Three Mezzanine**

- 1 Outdoor Exercise Below
- 2 Typical Cell
- 3 Dayroom Below
- 4 Mechanical

# Danville Correctional Center

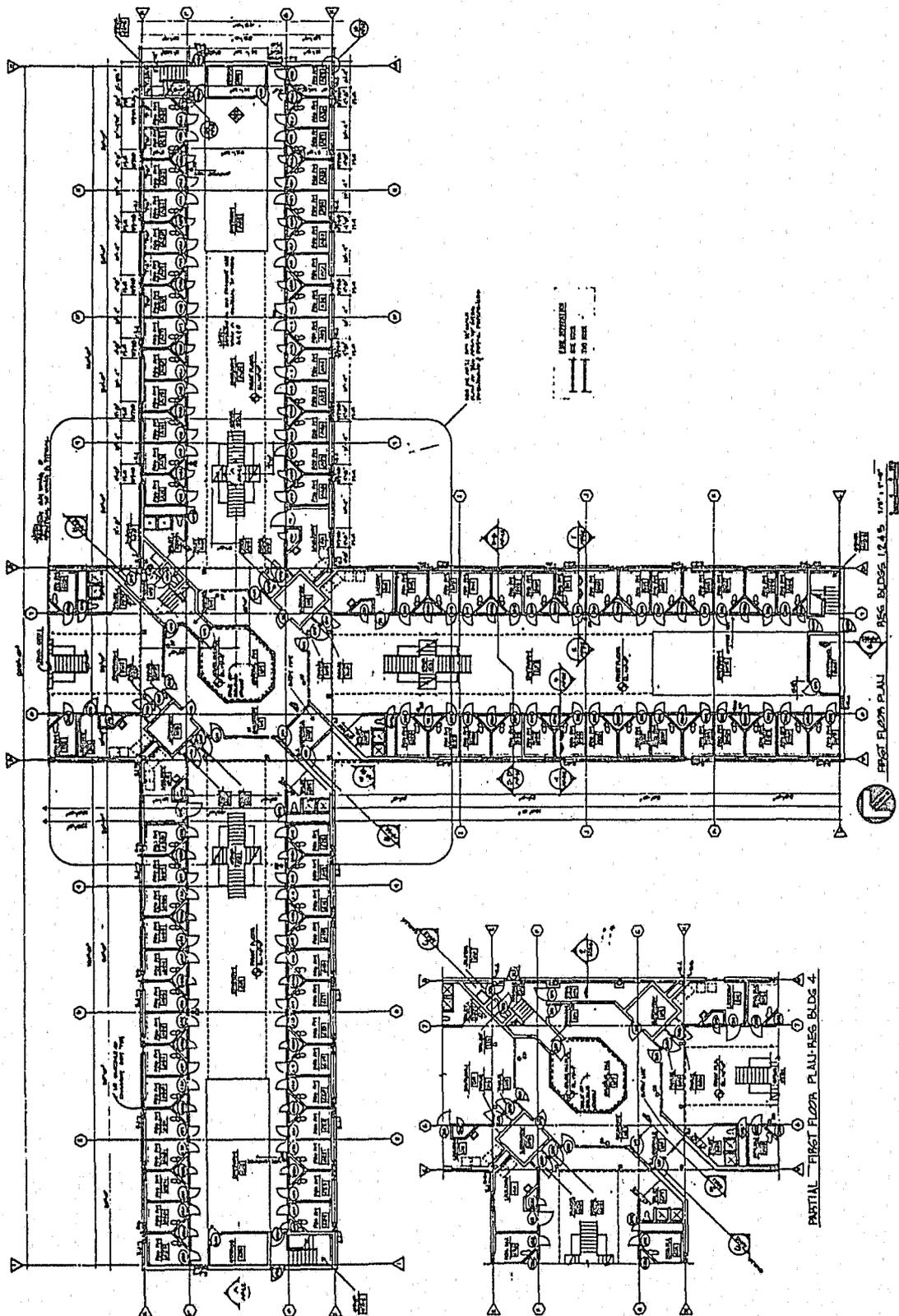
Responsible official: Warden Michael Neal

Illinois

Danville

**Contact:** John Russian, Chief Engineer, Danville Correctional Center, Route 136 East, Danville, IL 61832, 217-446-0441  
**Architect:** Salogga, Bradley, Likins, Dillow, 100 Merchant Street, Decatur, IL 62523, 217-429-5105  
**Construction manager:** None

<p><b>Groundbreaking:</b> July 1983 <b>Finish date:</b> September 1985 <b>Construction time:</b> 26 months</p>	<p><b>Design capacity:</b> 941 <b>Total cost:</b> \$33,120,000 <b>Total annual operating costs:</b> \$9,363,200</p>	<p><b>Category:</b> New, independent facility <b>Facility type:</b> State prison <b>Building configuration:</b> Campus style</p>
<p><b>Costs</b></p> <p>Total: \$33,120,000 Building only: \$29,975,000 Housing area: \$15,450,000 Housing per inmate: \$16,685 Housing per cell: \$16,685 Total per inmate: \$35,197 Total per GSF: \$90.85 Total annual operating costs: \$9,363,200</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 364,575 Gross square feet/other: 0 Gross square feet/total: 364,575 Housing area square feet: 163,400 Gross square feet per inmate: 387 Size of cells: 70 square feet (single) Net/gross square feet: 92%</p> <p><b>Construction type</b></p> <p>Structural: Load bearing precast panels; steel frame Exterior walls: CMU block, textured face Interior walls: CMU block Exterior surface/facade: Stain and sealer</p> <p><b>Inmate design capacity</b></p> <p>Single occupancy: 926 Double occupancy: 0 Dorms: 0 Other: 0 Special housing: 15 General population: 926 Total: 941</p> <p><b>Current staff</b></p> <p>Full-time equivalent: Administration: 43 Security: 200 Programs/treatment: 23 Maintenance: 22 Total: 288 Current inmate/staff ratio: 3.0:1</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod Cells per unit: 54 Inmates per unit: 54 Management type: Remote surveillance October 1985 population: 250; March 1986, 866 Facility commitment: State prisoners Means to handle crowding: Mattresses on floor; beds in dayroom; bunks in gym</p> <p><b>Construction process</b></p> <p>Finance method: G.O. Bonds; State funds Contract method: Conventional Use of inmate labor: None Use of prefabrication: Moderate; precast concrete floor and ceiling unit; preengineered frame</p>
<p><b>Security</b></p> <p>Perimeter: Double fence; alarm/detection systems; razor wire on and between fences; towers Inmate security level: Maximum: 0 Medium: 100% Minimum: 0</p>		<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs: Positive: Simple construction methods, repetitiveness of design; good competition, favorable market Negative: None</p> <p>Factors affecting time schedule: Positive: Simple construction methods, repetitiveness of design; phased construction, fast track construction management Negative: Weather problems</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel Doors/type: Swinging Doors/locking: Remote and manual locking Floor surface: Vinyl tile Intercom: Call button from cell to control room HVAC: Heating/air circulation only Plumbing: Stainless steel Furniture: Wood Fire protection: Smoke detectors for common areas</p>		



# DuPage County Jail and Sheriff's Department

Responsible official: Sheriff Richard P. Doria

Illinois

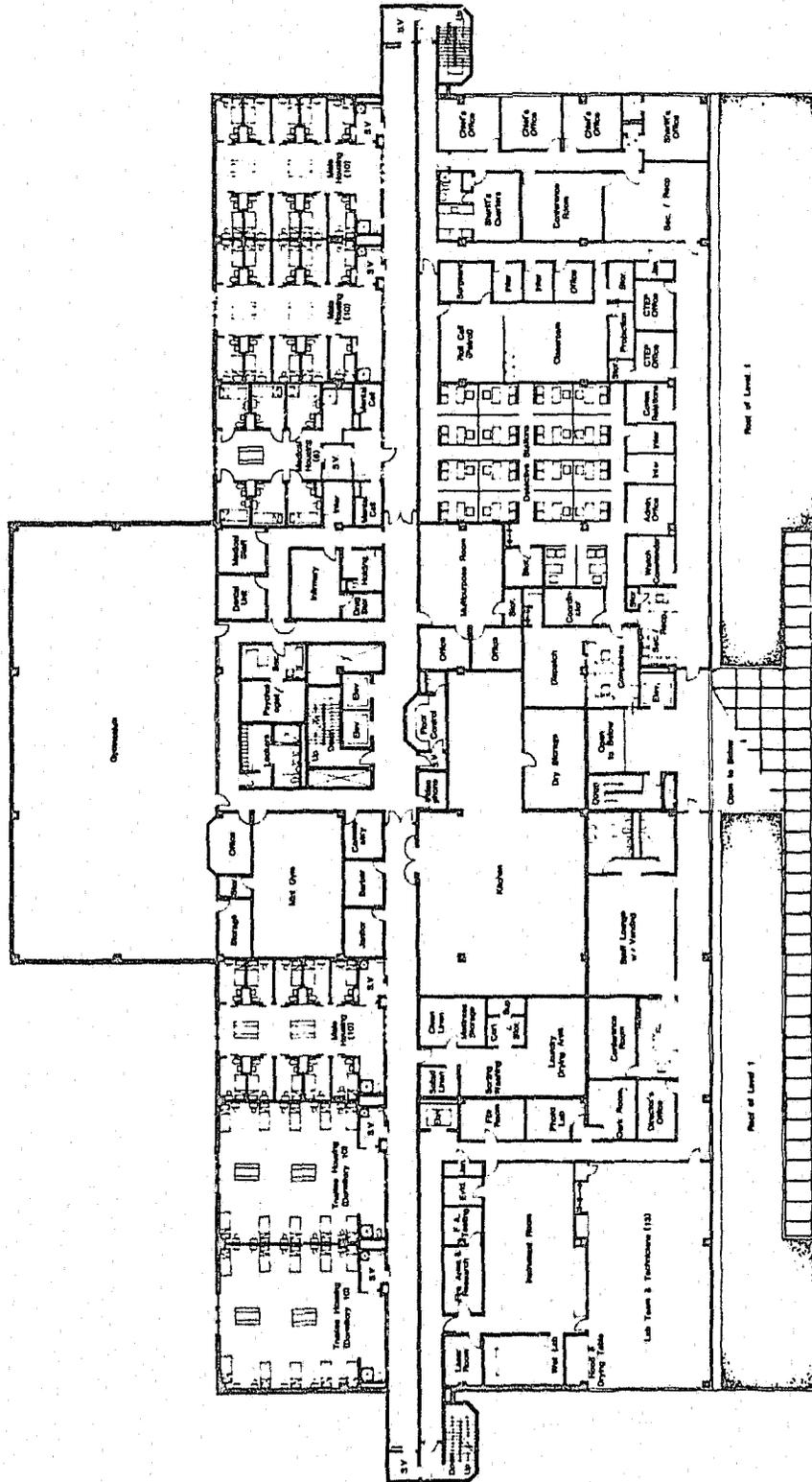
DuPage County, Wheaton

**Contact:** Sheriff Richard P. Doria, DuPage County Jail and Sheriff's Department, 501 North County Farm Road, Wheaton, IL 60187, 312-682-7356

**Architect:** Patrick + Associates, Inc., 199 South Fifth Street, Columbus, OH 43215, 614-228-3233

**Construction manager:** None

<p><b>Groundbreaking:</b> May 1981  <b>Finish date:</b> March 1983  <b>Construction time:</b> 22 months</p>	<p><b>Design capacity:</b> 354  <b>Total cost:</b> \$14,059,500  <b>Total annual operating costs:</b> N/A (complex)</p>	<p><b>Category:</b> New, independent facility  <b>Facility type:</b> Complex: county jail, law enforcement  <b>Building configuration:</b> Integrated structure</p>
<p><b>Costs</b></p> <p>Total: \$14,059,500          Building only: \$13,459,500          Housing area: \$3,457,850          Housing per inmate: \$10,170          Housing per cell: \$15,576          Total per inmate: N/A (complex)          Total per GSF: \$92.10          Total annual operating costs: N/A (complex)</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 102,655          Gross square feet/other: 50,000          Gross square feet/total: 152,655          Housing area square feet: 37,569          Gross square feet per inmate: 290          Size of cells: 118 square feet (single)          Net/gross square feet: 65%</p> <p><b>Construction type</b></p> <p>Structural: Cast-in-place concrete frame          Exterior walls: Cast-in-place concrete; brick          Interior walls: Cast-in-place concrete; CMU block          Exterior surface/facade: Brick</p>	<p><b>Inmate housing areas</b></p> <p>Design: Linear, outside          Cells per unit: 8 to 10          Inmates per unit: 8 to 20          Management type: Intermittent and remote surveillance          October 1985 population: 285          Facility commitment: Local jail inmates          Means to handle crowding: Bunk beds in cell; mattresses on floor</p>
<p><b>Security</b></p> <p>Perimeter: Double fence; alarm/detection system; razor wire on and between fences          Inmate security level:          Maximum: 4%          Medium: 70%          Minimum: 25% (+ 1% confinement)</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 194          Double occupancy: 0          Dorms: 122          Other: 24          Special housing: 14          General population: 340          Total: 354</p> <p><b>Current staff</b></p> <p>Full-time equivalent:          Administration: 7          Security: 76          Programs/treatment: 6          Maintenance: 5          Total: 94          Current inmate/staff ratio: 3.03:1</p>	<p><b>Construction process</b></p> <p>Finance method: G.O. Bonds; State funds          Contract method: Conventional          Use of inmate labor: None          Use of prefabrication: Detention equipment items</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel          Doors/type: Sliding          Doors/locking: Remote locking only          Floor surface: Sealed concrete          Intercom: Two-way to common areas          HVAC: Heating/air circulation only          Plumbing: Stainless          Furniture: Steel          Fire protection: Smoke detectors for cells and common areas; sprinklers for common areas; manual alarm stations</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs:          Positive: Use of prefabricated components; repetitiveness of design in housing areas; favorable market; less expensive materials and hardware          Negative: High security level construction; cast-in-place concrete frame          Factors affecting time schedule:          Positive: Use of prefab.; repetitiveness of housing areas; advanced order of materials and hardware; coordination of design          Negative: Slow responses from vendors; labor and weather problems; government "red tape"; complex electronic, mechanical, and electrical systems; CIP concrete</p>	



Floor Plan: Level 2

# Shawnee Correctional Center (Addition)

Responsible official: Warden Larry Mizell

Illinois

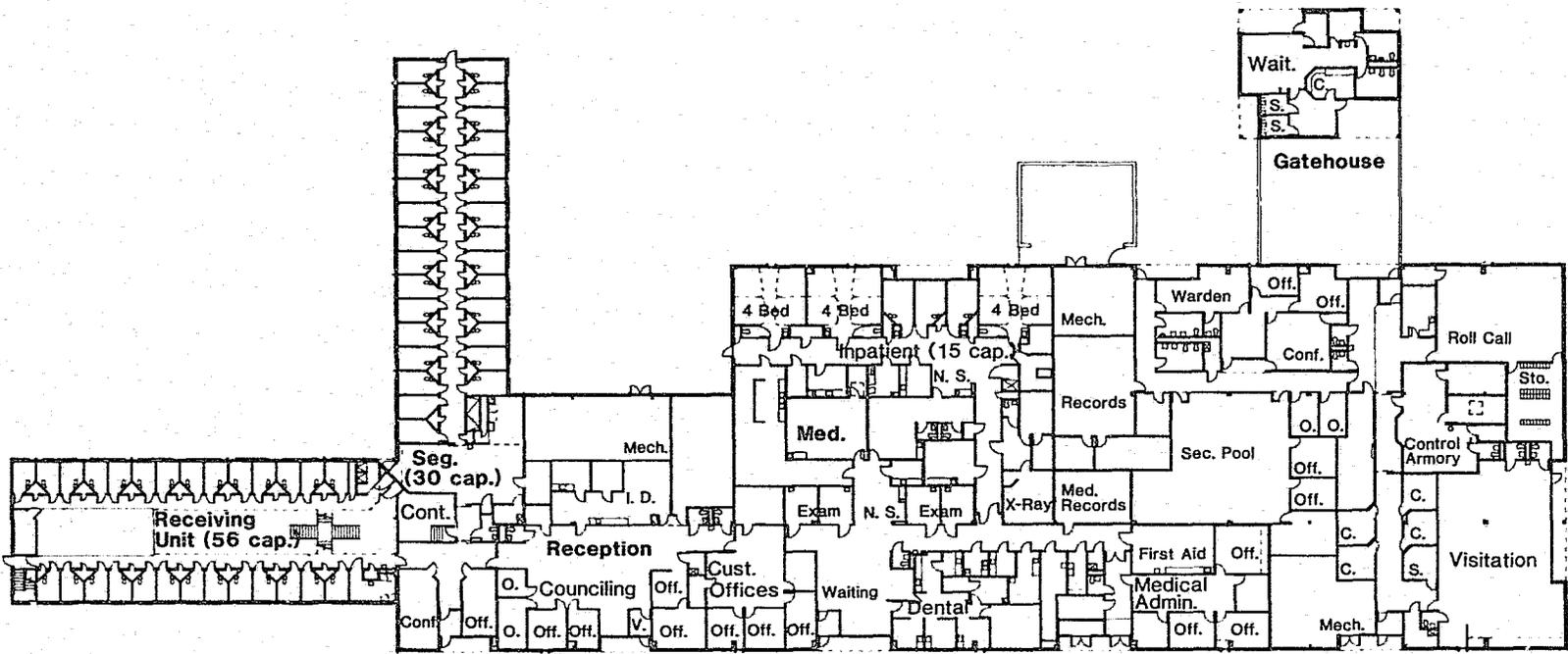
Vienna

**Contact:** Warden Larry Mizell, Shawnee Correctional Center, P.O. Box 400, Vienna, IL 62995, 618-658-2081

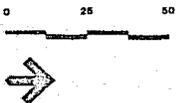
**Architect:** Phillips Swager Associates, 3622 North Knoxville Avenue, Peoria, IL 61603, 309-688-9511

**Construction manager:** None

<p><b>Groundbreaking:</b> November 1982 <b>Finish date:</b> February 1985 <b>Construction time:</b> 28 months</p>	<p><b>Design capacity:</b> 926 <b>Total cost:</b> \$32,400,000 <b>Total annual operating costs:</b> \$14,796,200 (addition only)</p>	<p><b>Category:</b> New, ancillary building <b>Facility type:</b> State prison; State vehicle maintenance <b>Building configuration:</b> Campus style</p>
<p><b>Costs</b></p> <p>Total: \$32,400,000 (inc. veh. main. area) Building only: \$27,000,000 Housing area: \$15,020,348 Housing per inmate: \$16,764 Housing per cell: \$16,764 Total per inmate: \$34,989 Total per GSF: \$88.35 Total annual operating costs: \$14,796,200 (addition only)</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 359,723 Gross square feet/other: 7,000 Gross square feet/total: 366,723 Housing area square feet: 165,645 Gross square feet per inmate: 388 Size of cells: 71 square feet (single); 80 square feet (special) Net/gross square feet: 70%</p>	<p><b>Inmate housing areas</b></p> <p>Design: Linear/outside Cells per unit: 224 Inmates per unit: 224 Management type: Remote surveillance October 1985 population: 901 Facility commitment: State prisoners Means to handle crowding: N/A</p>
<p><b>Security</b></p> <p>Perimeter: Double fence; razor wire on and between fences; towers; patrols Inmate security level: Maximum: 3% Medium: 97% Minimum: 0</p>	<p><b>Construction type</b></p> <p>Structural: Steel frame Exterior walls: Brick; metal panel above 8 foot brick wainscot Interior walls: CMU block Exterior surface/facade: Brick; 8 foot brick wainscot and metal panel above</p>	<p><b>Construction process</b></p> <p>Finance method: G.O. Bonds Contract method: Conventional Use of inmate labor: None Use of prefabrication: None</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Solid; hollow metal Doors/type: Swinging Doors/locking: Remote locking only Floor surface: Sealed concrete Intercom: Two-way to common areas HVAC: Heating/air circulation only; steam heating plant Plumbing: Stainless combination unit Furniture: Steel Fire protection: Smoke detectors for cells and common areas; manual alarm stations</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 896 Double occupancy: 0 Dorms: 0 Other: 0 Special housing: 30 General population: 896 Total: 926</p> <p><b>Current staff</b></p> <p>Full-time equivalent: Administration: 55 Security: 351 Programs/treatment: 33 Maintenance: 34 Total: 473 (addition only) Current inmate/staff ratio: 1.90:1</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs: Positive: Simple construction methods; good competition, favorable market; less expensive materials and hardware Negative: Difficult site conditions</p> <p>Factors affecting time schedule: Positive: Simple construction methods, repetitiveness of design; preengineered construction on support buildings Negative: Weather problems; vendor/supplier problems</p>



Administrative / Inmate Services



# Marion County Jail (Addition)

Responsible official: Sheriff James L. Wells

Indiana

Marion County, Indianapolis

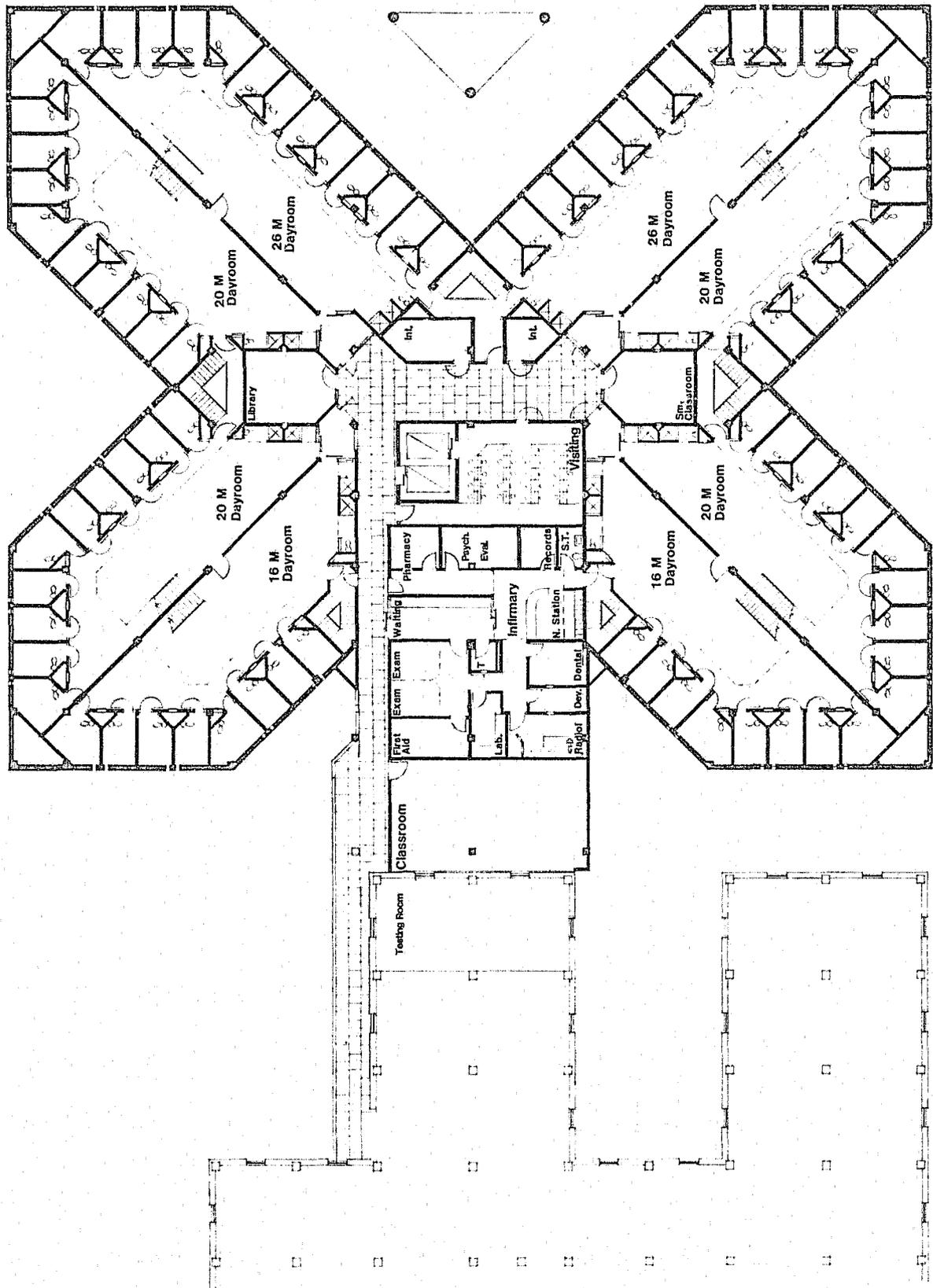
**Contact:** Larry L. Koch, Marion County Jail, 220 East Maryland Street, Indianapolis, IN 46204, 317-633-5181

**Architect:** The McGuire & Shook Corporation, 7440 North Shadeland Avenue, Indianapolis, IN 46250, 317-842-0000.

**Criminal justice consultants:** Phillips Swager Associates, 3622 North Knoxville Avenue, Peoria, IL 61603, 309-688-9511

**Construction manager:** None

<p><b>Groundbreaking:</b> January 1983 <b>Finish date:</b> December 1985 <b>Construction time:</b> 36 months</p>	<p><b>Design capacity:</b> 337 <b>Total cost:</b> \$14,914,957 <b>Total annual operating costs:</b> \$8,230,000 (addition only)</p>	<p><b>Category:</b> New, ancil. building; remodel <b>Facility type:</b> Complex: county jail, law enforcement, crime lab <b>Building configuration:</b> High rise in radial formation</p>
<p><b>Costs</b></p> <p>Total: \$14,914,957 Building only: \$14,796,957 Housing area: \$5,880,000 Housing per inmate: \$18,092 Housing per cell: \$18,092 Total per inmate: N/A (complex) Total per GSF: \$143.76 Total annual operating costs: \$8,230,000 (addition only)</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 69,165 Gross square feet/other: 34,583 Gross square feet/total: 103,748 Housing area square feet: N/A Gross square feet per inmate: 205 Size of cells: 77 square feet (single) Net/gross square feet: N/A</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod Cells per unit: 16, 20, 26 Inmates per unit: 16, 20, 26 Management type: Remote surveillance October 1985 population: None Facility commitment: Local jail inmates Means to handle crowding: N/A</p>
<p><b>Security</b></p> <p>Perimeter: Building exterior only Inmate security level: Maximum: 100% Medium: 0 Minimum: 0</p>	<p><b>Construction type</b></p> <p>Structural: Cast-in-place concrete frame Exterior walls: Brick Interior walls: CMU block Exterior surface/facade: Brick</p>	<p><b>Construction process</b></p> <p>Finance method: G.O. Bonds Contract method: Conventional Use of inmate labor: None Use of prefabrication: None</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel Doors/type: Swinging Doors/locking: Remote locking only Floor surface: Terrazzo Intercom: Two-way to common areas HVAC: Air conditioning Plumbing: Stainless combination unit Furniture: Steel Fire protection: Smoke detectors and sprinklers for common areas</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 325 Double occupancy: 0 Dorms: 0 Other: 0 Special housing: 12 General population: 325 Total: 337</p> <p><b>Current staff</b></p> <p>Full-time equivalent: Administration: N/A Security: 65 Programs/treatment: N/A Maintenance: N/A Total: 65 (addition only) Current inmate/staff ratio: N/A</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs: Positive: Simple construction methods, repetitiveness of design; good competition, favorable market Negative: None</p> <p>Factors affecting time schedule: Positive: Simple construction methods, repetitiveness of design Negative: None</p>



# Rock Island County Jail

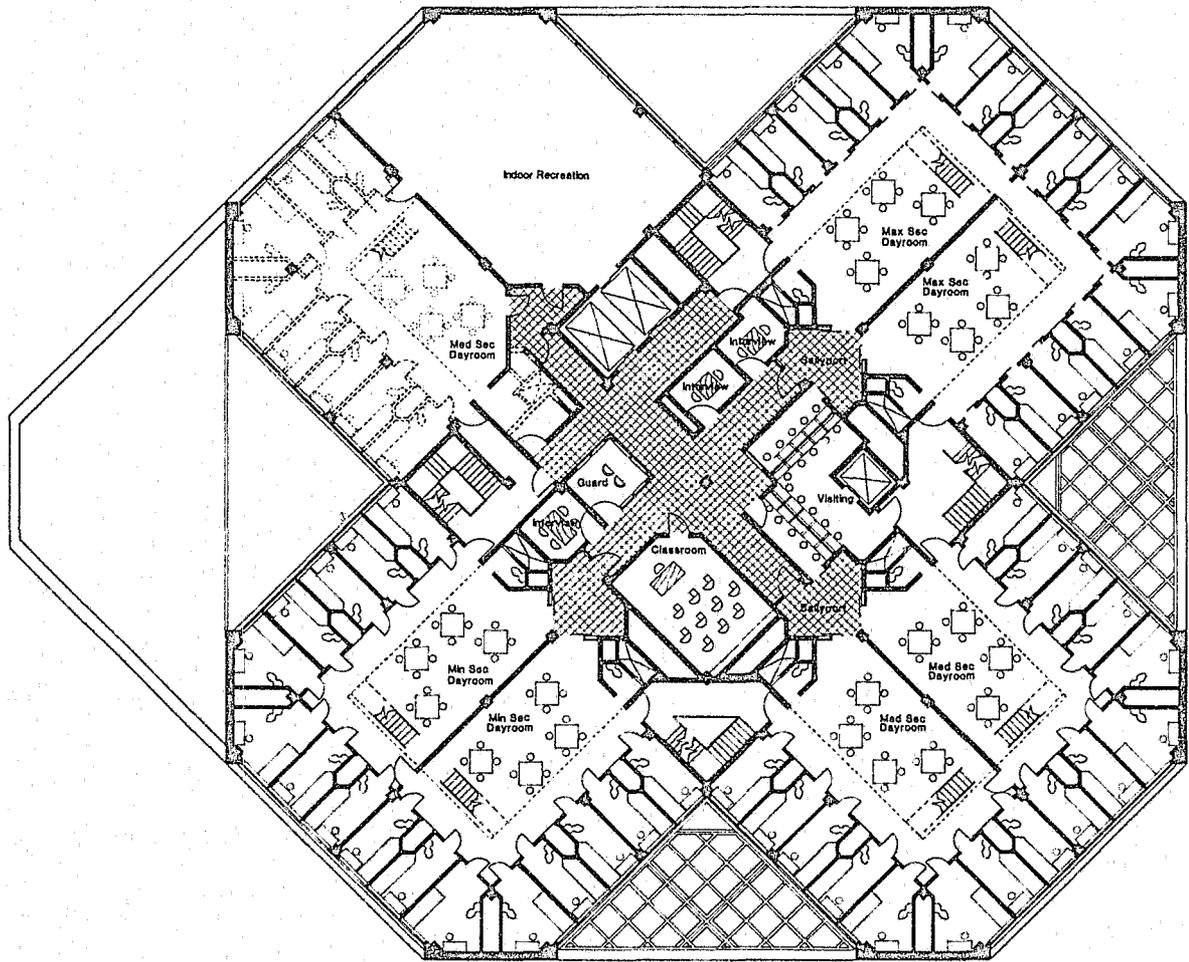
Responsible official: Sheriff Gordon Powell

Illinois

Rock Island County, Rock Island

**Contact:** Lieutenant G. Jungwirth, Rock Island County Jail, P.O. Box 306, Rock Island, IL 61201, 309-794-1230  
**Architect:** Phillips Swager Associates, 3622 North Knoxville Avenue, Peoria, IL 61603, 309-688-9511  
**Construction manager:** None

<p><b>Groundbreaking:</b> July 1983 <b>Finish date:</b> August 1985 <b>Construction time:</b> 25 months</p>	<p><b>Design capacity:</b> 200 <b>Total cost:</b> \$7,566,000 <b>Total annual operating costs:</b> Unknown</p>	<p><b>Category:</b> New, independent facility <b>Facility type:</b> Complex: county jail, sheriff admin., court <b>Building configuration:</b> Integrated structure</p>
<p><b>Costs</b></p> <p>Total: \$7,566,000 Building only: \$7,450,000 Housing area: \$4,171,000 Housing per inmate: \$23,172 Housing per cell: \$29,793 Total per inmate: N/A (complex) Total per GSF: \$98.51 Total annual operating costs: Unknown</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 43,000 Gross square feet/other: 33,804 Gross square feet/total: 76,804 Housing area square feet: Unknown Gross square feet per inmate: 215 Size of cells: 70 square feet (single) Net/gross square feet: 56%</p> <p><b>Construction type</b></p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod Cells per unit: 16 Inmates per unit: 16 Management type: Remote surveillance October 1985 population: 145 Facility commitment: Local jail inmates Means to handle crowding: Unknown</p>
<p><b>Security</b></p> <p>Perimeter: Building exterior only Inmate security level: Maximum: 22% Medium: 31% Minimum: 18% (other 29%)</p>	<p>Structural: Cast-in-place concrete frame Exterior walls: CMU block; architectural precast Interior walls: Cast-in-place concrete; CMU block; terrazzo Exterior surface/facade: Textured concrete block</p> <p><b>Inmate design capacity</b></p>	<p><b>Construction process</b></p> <p>Finance method: G.O. Bonds Contract method: Conventional Use of inmate labor: None Use of prefabrication: None</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Solid Doors/type: Swinging Doors/locking: Remote locking only Floor surface: Terrazzo Intercom: Two-way to cells and common areas; one-way to common areas HVAC: Air conditioning; hot water heating Plumbing: Stainless combination unit Furniture: Steel; concrete Fire protection: Smoke detectors for cells; sprinklers for common areas</p>	<p>Single occupancy: 128 Double occupancy: 0 Dorms: 44 Other: 8 Special housing: 20 General population: 180 Total: 200</p> <p><b>Current staff</b></p> <p>Full-time equivalent: Administration: 2 Security: 35 Programs/treatment: Volunteers Maintenance: 8 Total: 45 Current inmate/staff ratio: 3.22:1</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs: Positive: Repetitiveness of cell block design; CMU throughout; good competition Negative: Security glazing</p> <p>Factors affecting time schedule: Positive: Simple construction methods, repetitiveness of design; coordination of design, construction/owner Negative: Elevator—security</p>



# Polk County Jail

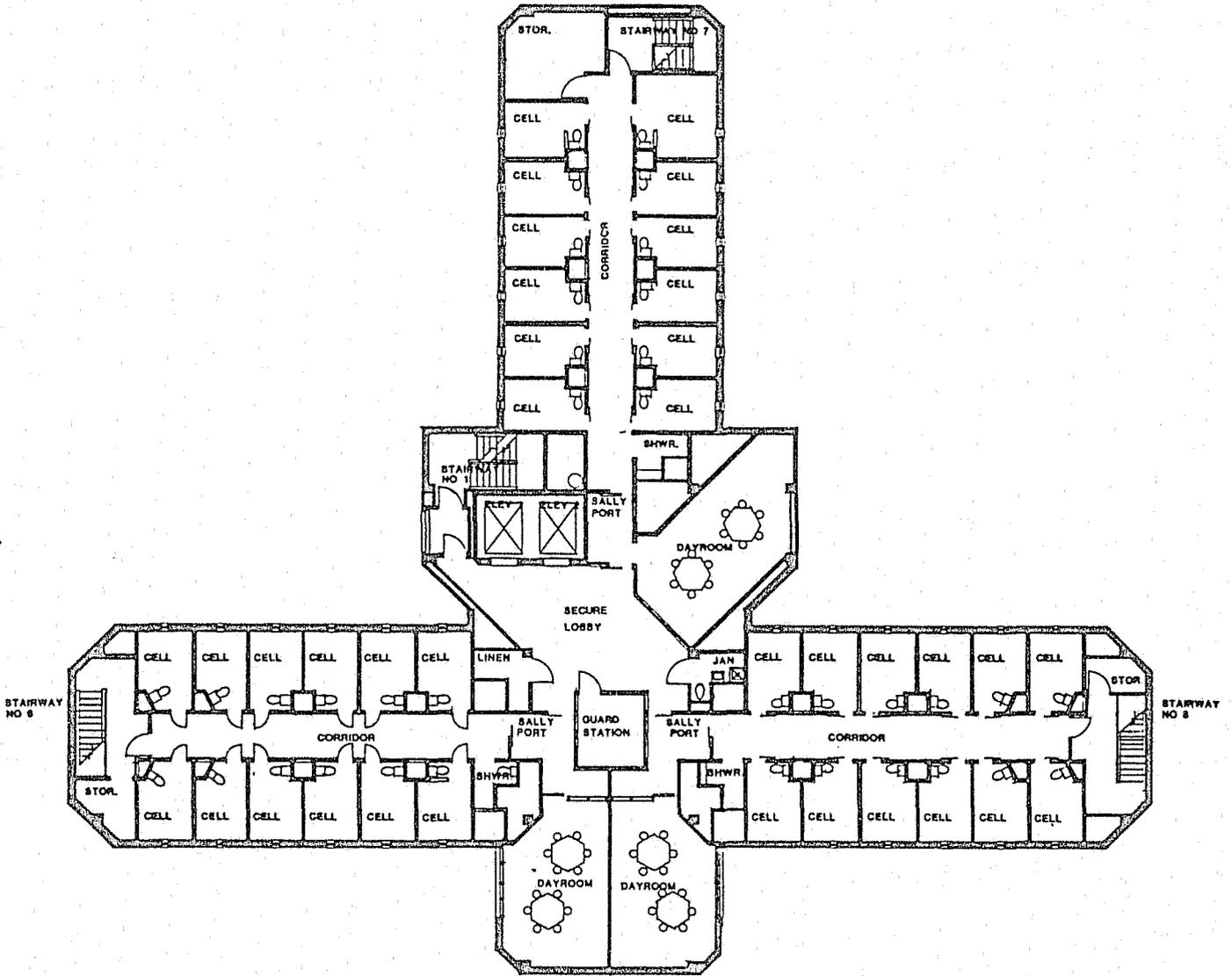
Responsible official: Sheriff Robert E. Rice

Iowa

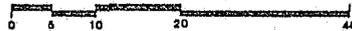
Polk County, Des Moines

**Contact:** Floyd Jones, Chief Jailer, Polk County Jail, 110 6th Avenue, Des Moines, IA 50309, 515-286-3804  
**Architect:** FEH Associates, Inc., 1115 Midland Financial Building, Des Moines, IA 50309, 515-283-2479  
**Construction manager:** None

<p><b>Groundbreaking:</b> April 1981 <b>Finish date:</b> December 1983 <b>Construction time:</b> 32 months</p>	<p><b>Design capacity:</b> 210 <b>Total cost:</b> \$8,900,000 <b>Total annual operating costs:</b> \$2,276,016</p>	<p><b>Category:</b> New, independent facility <b>Facility type:</b> Complex: county and city jail, law enforcement, courts, other <b>Building configuration:</b> High rise in radial formation</p>
<p><b>Costs</b></p> <p>Total: \$8,900,000 Building only: \$8,900,000 Housing area: \$3,240,000 Housing per inmate: \$16,364 Housing per cell: \$16,364 Total per inmate: N/A (complex) Total per GSF: \$82.41 Total annual operating costs: \$2,276,016</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 103,244 Gross square feet/other: 4,756 Gross square feet/total: 108,000 Housing area square feet: 40,515 Gross square feet per inmate: 514 Size of cells: 74.39 square feet (single) Net/gross square feet: 94%</p> <p><b>Construction type</b></p> <p>Structural: Cast-in-place concrete frame Exterior walls: CMU block; brick Interior walls: CMU block Exterior surface/facade: Brick</p>	<p><b>Inmate housing areas</b></p> <p>Design: Linear/outside; 5 floors have guard station, dayrooms, and 3 wings Cells per unit: 36 Inmates per unit: 36 Management type: Intermittent surveillance October 1985 population: 133 Facility commitment: Local jail inmates Means to handle crowding: Use holding cells</p>
<p><b>Security</b></p> <p>Perimeter: Building exterior; single fence; alarm/detection systems Inmate security level: Maximum: 83% Medium: 0 Minimum: 17%</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 180 Double occupancy: 0 Dorms: 0 Other: 18 Special housing: 12 General population: 198 Total: 210</p>	<p><b>Construction process</b></p> <p>Finance method: G.O. Bonds Contract method: Conventional Use of inmate labor: None Use of prefabrication: Moderate; ducts include lighting, door operators, and sprinkler piping</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Solid steel; wooden Doors/type: Sliding; swinging Doors/locking: Motor driven and remote locking; remote locking only Floor surface: Sealed concrete Intercom: Two-way to cells and common areas HVAC: Heating/air circulation only; gas-fired boilers supply hot water to heating coils Plumbing: Stainless Furniture: Steel Fire protection: Sprinklers for cells and common areas; manual alarm stations; duct smoke detectors</p>	<p><b>Current staff</b></p> <p>Full-time equivalent: Administration: 13 Security: 53 Programs/treatment: Contractual Maintenance: 4 Total: 70 Current inmate/staff ratio: 1.9:1</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs: Positive: Simple construction methods, repetitiveness of design; good competition, favorable market Negative: None</p> <p>Factors affecting time schedule: Positive: Simple construction methods, repetitiveness of design Negative: Slow responses and delivery from vendors, suppliers; complex electronic, mechanical, and electrical systems</p>



FLOORS 4-8



# Johnson County Juvenile Hall

Responsible official: Sheriff Fred Allenbrand

Kansas

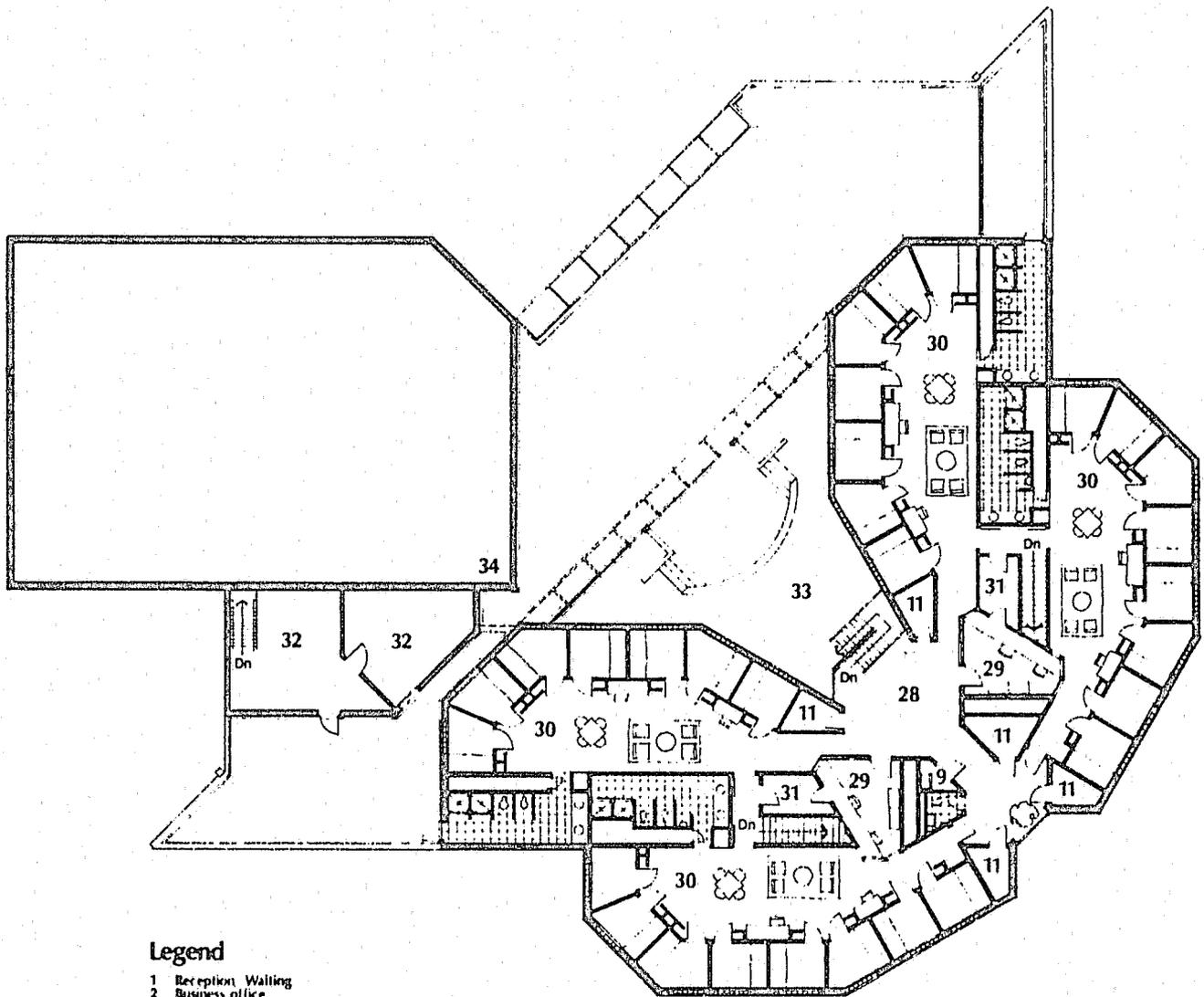
Johnson County, Olathe

**Contact:** Jerry Jacobson, Director, Johnson County Juvenile Hall, Johnson County Courthouse, 915 West Spruce, Olathe, KS 66061, 913-764-7411

**Architect:** Abend Singleton Associates, 20 West Ninth Street, Kansas City, MO 64105, 816-221-5011

**Construction manager:** None

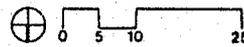
<b>Groundbreaking:</b> May 1978 <b>Finish date:</b> May 1980 <b>Construction time:</b> 24 months	<b>Design capacity:</b> 34 <b>Total cost:</b> \$1,700,000 <b>Total annual operating costs:</b> \$697,594	<b>Category:</b> New, independent facility <b>Facility type:</b> Juvenile detention facility <b>Building configuration:</b> Clusters
<b>Costs</b>  Total: \$1,700,000 Building only: Unknown Housing area: \$554,200 Housing per inmate: \$16,300 Housing per cell: \$16,300 Total per inmate: \$50,000 Total per GSF: \$68.55 Total annual operating costs: \$697,594	<b>Dimensions</b>  Gross square feet/corrections: 24,800 Gross square feet/other: 0 Gross square feet/total: 24,800 Housing area square feet: 6,990 Gross square feet per inmate: 729 Size of cells: 56 square feet (single) Net/gross square feet: Unknown  <b>Construction type</b>  Structural: Concrete block Exterior walls: Brick and block Interior walls: Painted masonry; brick in privileged area Exterior surface/facade: Brick and glazed block  <b>Inmate design capacity</b>  Single occupancy: 30 Double occupancy: 0 Dorms: 0 Other: 4 Special housing: 0 General population: 34 Total: 34  <b>Current staff</b>  Full-time equivalent: Administration: 2 Security: 21 Programs/treatment: 3 Maintenance: 4 Total: 30 Current inmate/staff ratio: .60:1	<b>Inmate housing areas</b>  Design: Module/pod Cells per unit: 7 and 8 Inmates per unit: 7 and 8 Management type: Remote surveillance October 1985 population: 18 Facility commitment: Juvenile detainees Means to handle crowding: None  <b>Construction process</b>  Finance method: G.O. Bonds Contract method: Conventional Use of inmate labor: None Use of prefabrication: None
<b>Security</b>  Perimeter: Single fence at exercise yard; alarm/detection system Inmate security level: Maximum: Design, 100% Medium: Use, varies Minimum: Use, varies		<b>Architect's reported analyses</b>  Factors affecting construction costs: Positive: Simple construction methods, repetitiveness of design; good competition, favorable market; less expensive materials and hardware Negative: None  Factors affecting time schedule: Positive: None Negative: Local decisionmaking process
<b>Inmate cells</b>  Doors/material: Steel Doors/type: Swinging Doors/locking: Remote locking Floor surface: Sealed concrete Intercom: Two-way to cells and common areas HVAC: Air conditioning; rooftop heating unit Plumbing: Stainless steel Furniture: Steel Fire protection: Smoke detectors for cells and common areas; sprinklers		



**Legend**

- 1 Reception, Waiting
- 2 Business office
- 3 Superintendent
- 4 Conference room
- 5 Medical examination
- 6 Holding
- 7 Lockers
- 8 Intake office
- 9 Janitor
- 10 Sally port
- 11 Storage
- 12 Refuse
- 13 Kitchen
- 14 Dining
- 15 Classroom
- 16 Office
- 17 Laundry
- 18 Folding room
- 19 Vending
- 20 Privileged area
- 21 Supervised activity
- 22 Programmer
- 23 Counseling
- 24 Visitation
- 25 Gymnasium
- 26 Judge's office
- 27 Hearing room
- 28 Commons
- 29 Controller
- 30 Group center
- 31 Linen supply
- 32 Mechanical
- 33 Privileged area below
- 34 Gymnasium area below

**Second Floor Plan**



# Kansas State Penitentiary (Phase One) (Addition)

Responsible official: Herb Maschner, Director

**Kansas**

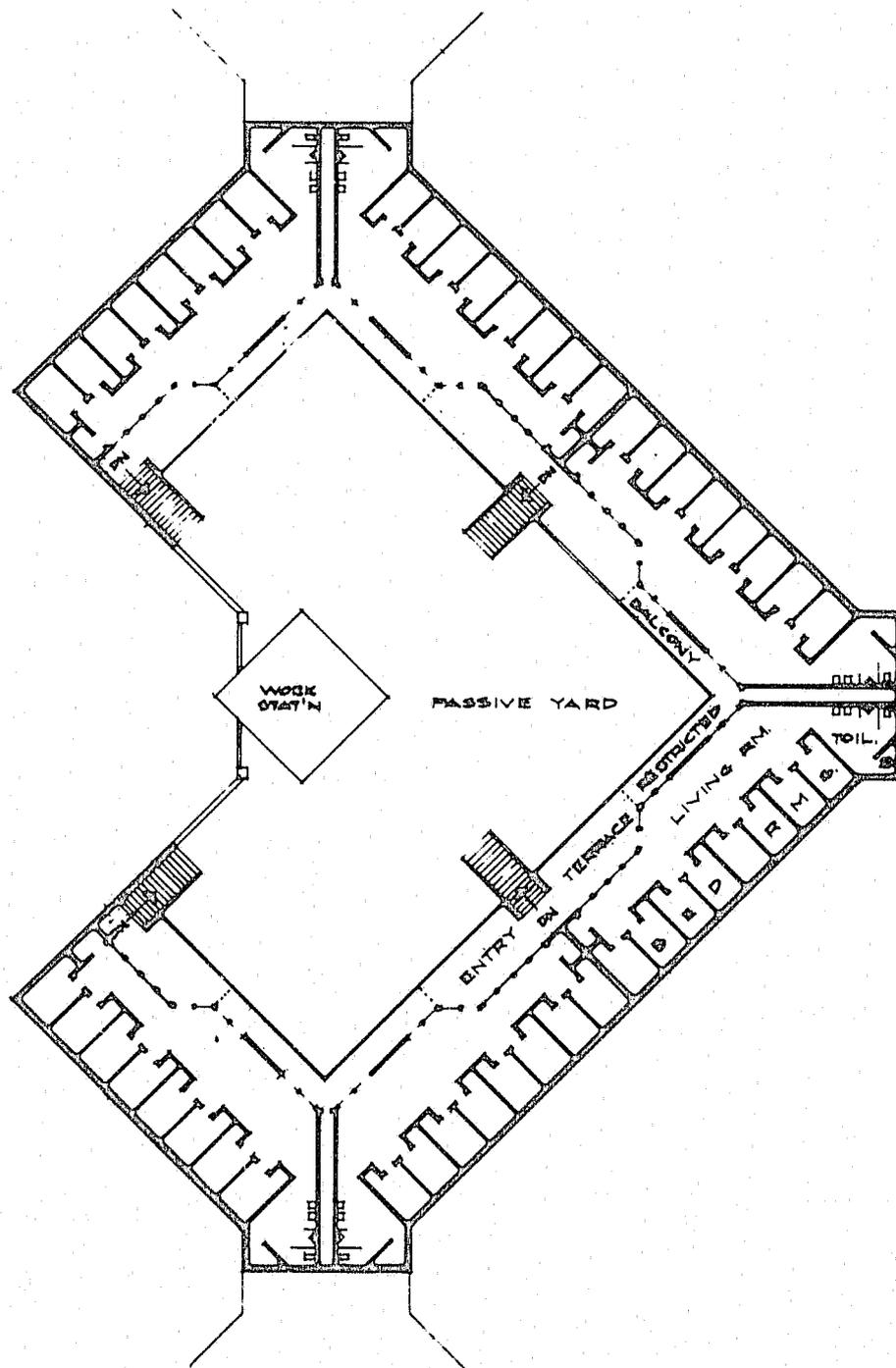
Lansing

**Contact:** Herb Maschner, Director, Kansas State Penitentiary, Medium Security Facility, P.O. Box 2, Lansing, KS 66043, 913-727-3235

**Architect:** Horst-Terrill-Karst, Architects, P.A., 2900 MacVicar Avenue, Topeka, KS 66611, 913-266-5373

**Construction manager:** None

<p><b>Groundbreaking:</b> September 1982  <b>Finish date:</b> July 1985  <b>Construction time:</b> 35 months</p>	<p><b>Design capacity:</b> 288  <b>Total cost:</b> \$10,700,000  <b>Total annual operating costs:</b> N/A (addition)</p>	<p><b>Category:</b> New, ancillary building; phased project (future)  <b>Facility type:</b> State prison  <b>Building configuration:</b> Courtyard; clusters</p>
<p><b>Costs</b></p> <p>Total: \$10,700,000          Building only: \$7,850,000          Housing area: \$5,200,000          Housing per inmate: \$18,056          Housing per cell: \$18,056          Total per inmate: \$37,153          Total per GSF: \$70.26          Total annual operating costs: N/A (addition)</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 152,300          Gross square feet/other: 0          Gross square feet/total: 152,300          Housing area square feet: 76,150          Gross square feet per inmate: 529          Size of cells: 60 square feet (single)          Net/gross square feet: 76%</p> <p><b>Construction type</b></p> <p>Structural: Cast-in-place concrete frame; bearing walls          Exterior walls: Precast panels; CIP concrete; CMU block; architectural precast          Interior walls: CIP concrete; CMU block          Exterior surface/facade: Stucco; paint</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod          Cells per unit: 12          Inmates per unit: 96          Management type: Remote surveillance          October 1985 population: 213          Facility commitment: Sentenced State prisoners          Means to handle crowding: Bunk beds in cell</p>
<p><b>Security</b></p> <p>Perimeter: Double fence; alarm detection systems; razor wire on fence; towers; patrols          Inmate security level:          Maximum: 0          Medium: 100%          Minimum: 0</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 288          Double occupancy: 0          Dorms: 0          Other: 0          Special housing: 0          General population: 288          Total: 288</p> <p><b>Current staff</b></p> <p>Full-time equivalent:          Administration: 14          Security: 76          Programs/treatment: 8          Maintenance: N/A          Total: 98 (addition only)          Current inmate/staff ratio: 2.17:1</p>	<p><b>Construction process</b></p> <p>Finance method: Revenue sharing; State funds          Contract method: Conventional          Use of inmate labor: Extensive          Use of prefabrication: Limited</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Solid; steel          Doors/type: Swinging          Doors/locking: Manual locking cells; electric/mechanical all ext. doors          Floor surface: Epoxy coating; sealed concrete          Intercom: Two-way to common areas; security communications intercom          HVAC: Heating/air circulation only; central boilers          Plumbing: China          Furniture: Wood; vinyl/plastic          Fire protection: Smoke detectors for cells and common areas; sprinklers for common areas</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs:          Positive: Good competition, favorable market; less expensive materials and hardware          Negative: Slow construction, lengthy building time; government procedures, regulations, "red tape"; complex electronic, mechanical, and electrical systems</p> <p>Factors affecting time schedule:          Positive: None          Negative: Government procedures, regulations, "red tape"; complex electronic, mechanical, and electrical systems; four contractor defaults</p>	



SECOND FLOOR PLAN

# Knox County Jail

Responsible official: Sheriff Wilbur Bingham

Kentucky

Knox County, Barbourville

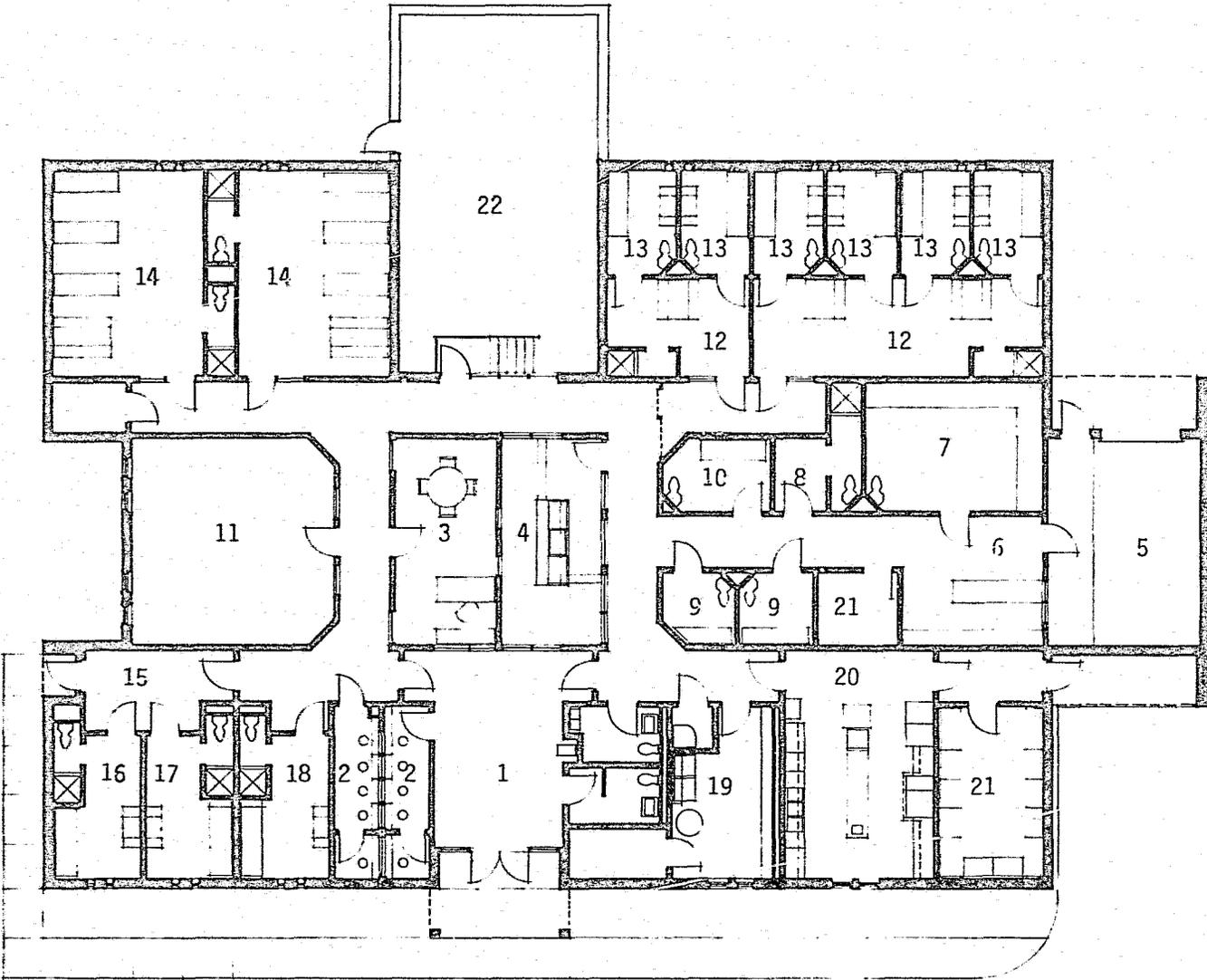
**Contact:** Ned Stewart, Jailer, Knox County Jail, Barbourville, KY 40906, 606-546-3197

**Architect:** Chrisman, Miller, Woodford, Inc., 326 South Broadway, Lexington, KY 40508, 606-254-6623

**Construction manager:** None

<p><b>Groundbreaking:</b> January 1984 <b>Finish date:</b> November 1984 <b>Construction time:</b> 10 months</p>	<p><b>Design capacity:</b> 37 <b>Total cost:</b> \$666,000 <b>Total annual operating costs:</b> \$284,115</p>	<p><b>Category:</b> New, independent facility <b>Facility type:</b> County jail <b>Building configuration:</b> Integrated structure</p>
<p><b>Costs</b></p> <p>Total: \$666,000 Building only: \$573,097 Housing area: Unknown Housing per inmate: Unknown Housing per cell: Unknown Total per inmate: \$18,000 Total per GSF: \$91.23 Total annual operating costs: \$284,115</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 7,300 Gross square feet/other: 0 Gross square feet/total: 7,300 Housing area square feet: 2,190 Gross square feet per inmate: 197 Size of cells: 70 square feet (single) Net/gross square feet: 90%</p> <p><b>Construction type</b></p> <p>Structural: Load bearing masonry Exterior walls: CMU block Interior walls: CMU block Exterior surface/facade: Stucco; textured concrete block</p> <p><b>Inmate design capacity</b></p> <p>Single occupancy: 0 Double occupancy: 18 Dorms: 12 Other: 0 Special housing: 7 General population: 30 Total: 37</p> <p><b>Current staff</b></p> <p>Full-time equivalent: Administration: 2 Security: 7 Programs/treatment: 1 Maintenance: 1 Total: 11 Current inmate/staff ratio: 4.09:1</p>	<p><b>Inmate housing areas</b></p> <p>Design: Linear, outside Cells per unit: 2 to 4 Inmates per unit: 12 Management type: Intermittent surveillance October 1985 population: 45 Facility commitment: Local jail inmates and State prisoners Means to handle crowding: Mattresses on floor</p> <p><b>Construction process</b></p> <p>Finance method: Local funds; State funds Contract method: Conventional Use of inmate labor: None Use of prefabrication: None</p>
<p><b>Security</b></p> <p>Perimeter: Building exterior only Inmate security level: Maximum: 40% Medium: 20% Minimum: 40%</p>		<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs: Positive: Conventional construction materials and systems; good competition, favorable market Negative: Delivery of materials and hardware</p> <p>Factors affecting time schedule: Positive: Simple construction methods, repetitiveness of design Negative: Slow responses and delivery from security equipment suppliers; weather problems</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel Doors/type: Swinging Doors/locking: Remote locking only Floor surface: Sealed concrete; vinyl tile Intercom: Two-way to cells and common areas HVAC: Air conditioning; gas rooftop heating unit Plumbing: Stainless combination unit Furniture: Steel Fire protection: Smoke detectors for cells and common areas; manual alarm stations; fire emergency auto release (FEAR) for electric locks</p>		

- LEGEND
1. Lobby
  2. Visitation
  3. Office
  4. Control Room
  5. Sallyport
  6. Booking
  7. Detox
  8. Search/Shower
  9. Holding
  10. Medical Exam
  11. Multipurpose
  12. Dayroom
  13. 2 Bed Cell
  14. Dormitory
  15. Juvenile Booking
  16. Juvenile Male
  17. Juvenile Female
  18. Adult Female
  19. Laundry
  20. Kitchen
  21. Storage
  22. Outdoor Exercise



# Federal Detention Center

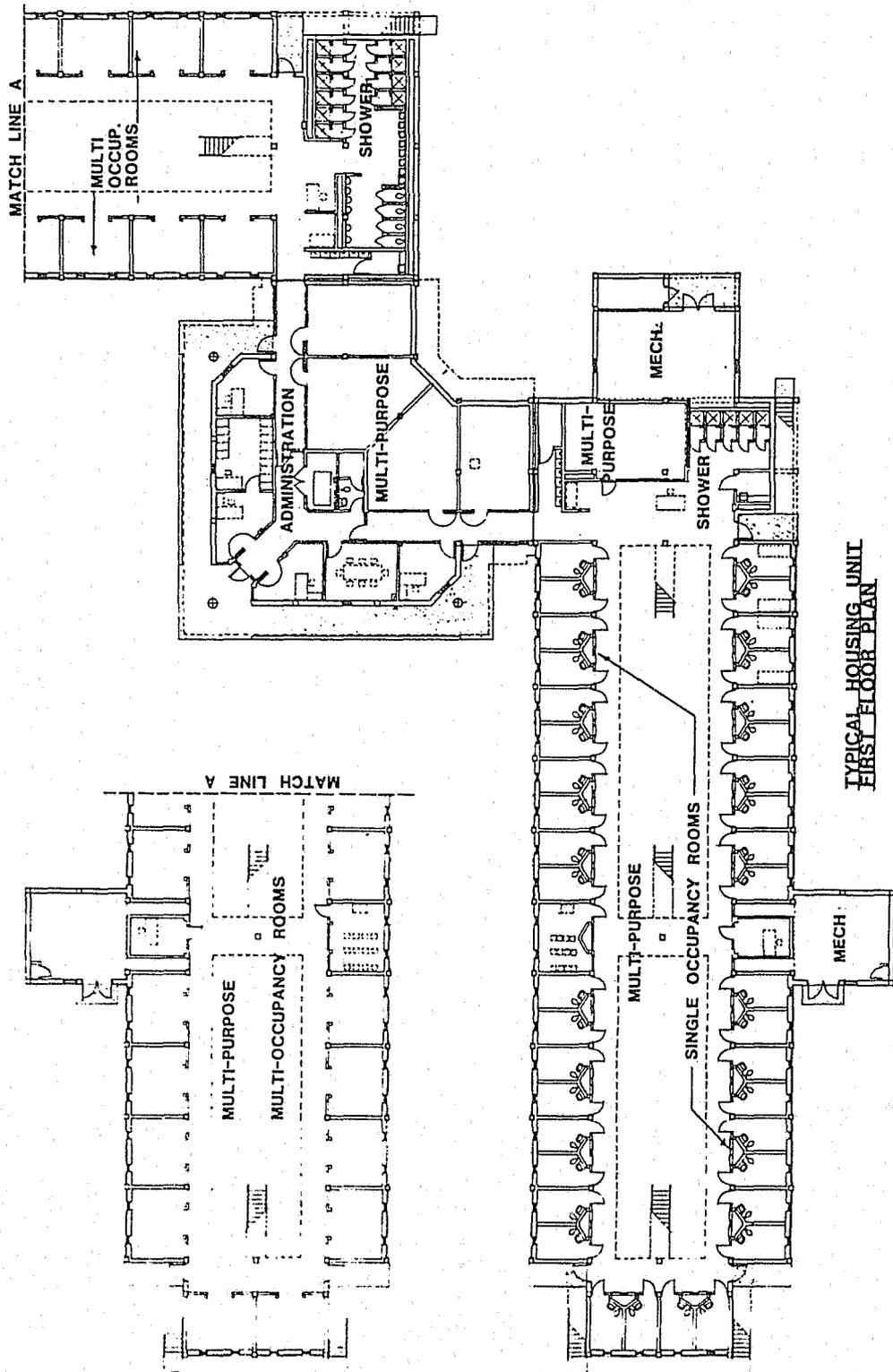
Responsible official: Warden Steve Schwalb

Louisiana

Oakdale

**Contact:** Warden Steve Schwalb, Federal Detention Center, P.O. Box 5050, East Whatley Road, Oakdale, LA 71463, 318-335-0861  
**Architect:** Barron, Heinberg & Brocato, P.O. Box 1952, 1015 Wisteria Street, Alexandria, LA 71301, 318-443-7291  
**Construction manager:** Jose Barron, Jr., P.O. Box 930, Oakdale, LA 71463-0930, 318-335-4070

<p><b>Groundbreaking:</b> July 1984 <b>Finish date:</b> March 1986 <b>Construction time:</b> 20 months</p>	<p><b>Design capacity:</b> 907 <b>Total cost:</b> \$16,823,295 <b>Total annual operating costs:</b> \$10,400,000</p>	<p><b>Category:</b> New, independent facility <b>Facility type:</b> Complex: Federal detention center, law enforcement, courts <b>Building configuration:</b> Campus style</p>
<p><b>Costs</b></p> <p>Total: \$16,823,295 Building only: \$13,132,275 Housing area: \$6,966,178 Housing per inmate: \$7,723 Housing per cell: \$24,272 Total per inmate: N/A (complex) Total per GSF: \$73.81 Total annual operating costs: \$10,400,000</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 183,381 Gross square feet/other: 44,540 Gross square feet/total: 227,921 Housing area square feet: 126,186 Gross square feet per inmate: 202 Size of cells: 95 square feet (single); 190 square feet (dorm) Net/gross square feet: 95%</p> <p><b>Construction type</b></p> <p>Structural: Cast-in-place concrete frame; preengin. metal; comb. wall bearing/steel frame Exterior walls: Precast panels; cast-in-place concrete; CMU block; metal roof, windows Interior walls: Cast-in-place concrete; CMU block Exterior surface/facade: Painted block; preengin. metal/prefinished</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod Cells per unit: 1 wing 82; 5 wings 41 Inmates per unit: 82; 164 Management type: Direct supervision October 1985 population: N/A Facility commitment: Federal prisoners Means to handle crowding: None needed</p>
<p><b>Security</b></p> <p>Perimeter: Single fence; alarm/detection systems; patrols Inmate security level: Maximum: None Medium: 16% Minimum: 84%</p>		<p><b>Construction process</b></p> <p>Finance method: Federal funds Contract method: Conventional; general contract (lump sum) Use of inmate labor: None Use of prefabrication: Limited; precast concrete wall panels</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Wooden (single); no doors (dorms) Doors/type: Swinging Doors/locking: Manual Floor surface: Sealed concrete Intercom: One-way to common areas HVAC: Air conditioning; boiler, natural gas fired Plumbing: China; combination unit in special cells Furniture: Wood Fire protection: Smoke detectors for common areas; sprinklers for cells and common areas; manual alarm stations</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 82 Double occupancy: 0 Dorms: 820 Other: 0 Special housing: 5 General population: 902 Total: 907</p> <p><b>Current staff</b></p> <p>Full-time equivalent: Administration: 45 Security: 98 Programs/treatment: 48 Maintenance: 25 Total: 216 Current inmate/staff ratio: N/A</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs: Positive: Good competition, favorable market; less expensive materials and hardware; simple construction methods, repetitiveness of design Negative: Difficult site conditions</p> <p>Factors affecting time schedule: Positive: Simple construction methods, repetitiveness of design; coordination of design, construction/owner; efficient contractor Negative: Labor problems; weather problems/initial poor drainage</p>



TYPICAL HOUSING UNIT  
FIRST FLOOR PLAN

# Feliciana Forensic Facility (Addition)

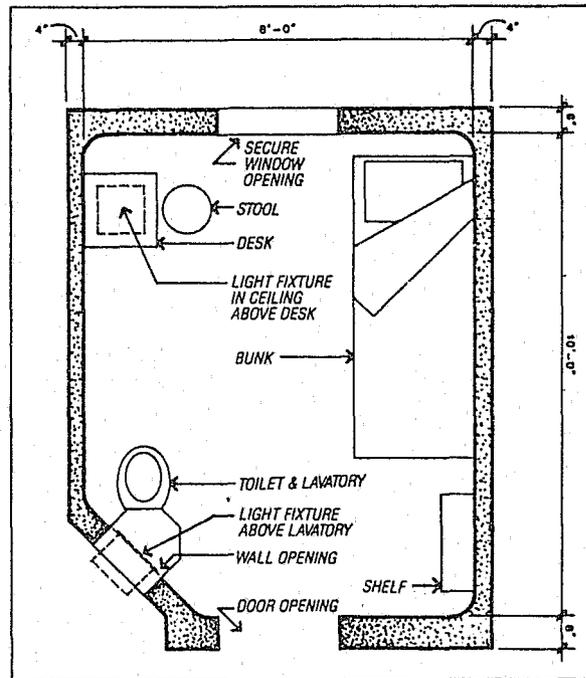
Responsible official: Murry Henderson, Administrator

Louisiana

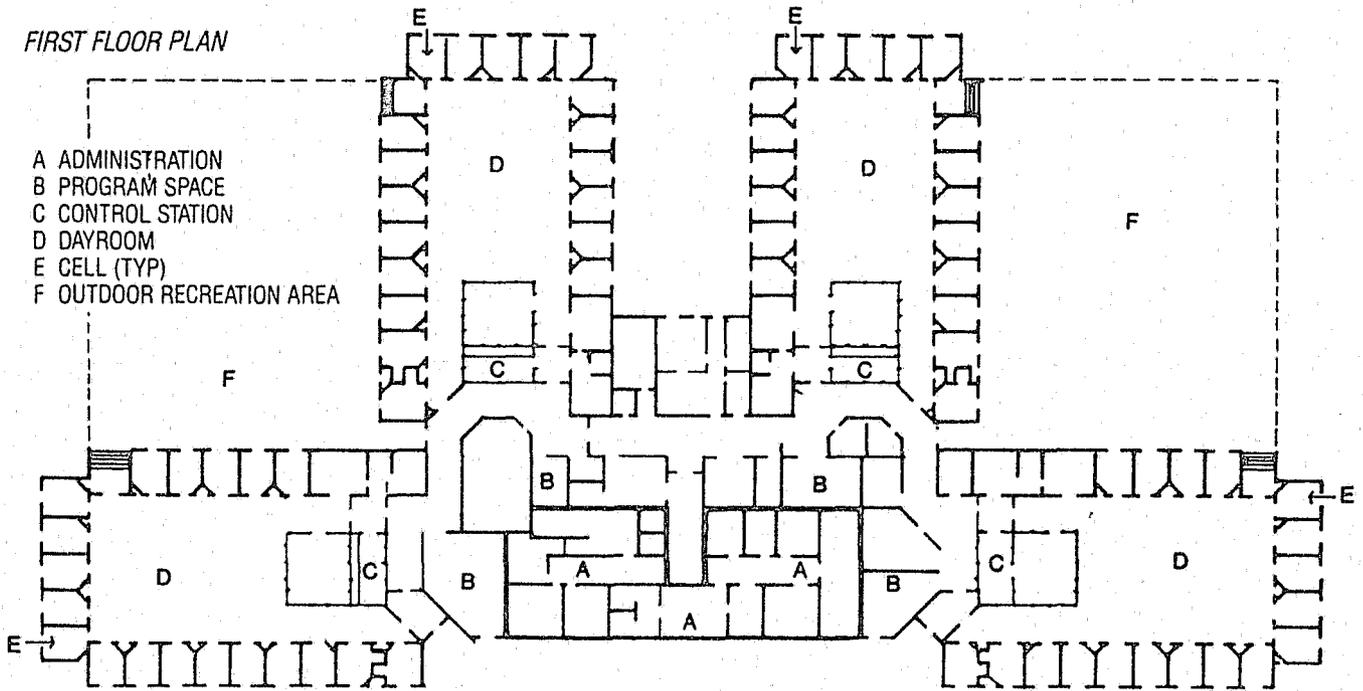
Jackson

**Contact:** Murry Henderson, Administrator, Feliciana Forensic Facility, P.O. Box 888, Jackson, LA 70748, 504-634-2651  
**Architect:** Lasseigne & Legett, AIA, Architects, Inc., 554 Colonial Drive, Baton Rouge, LA 70806, 504-926-1432  
**Construction manager:** None

<p><b>Groundbreaking:</b> April 1982  <b>Finish date:</b> May 1984  <b>Construction time:</b> 24 months</p>	<p><b>Design capacity:</b> 75  <b>Total cost:</b> \$3,647,164  <b>Total annual operating costs:</b> N/A (addition)</p>	<p><b>Category:</b> New, ancillary building  <b>Facility type:</b> Complex: State prison, courts, forensic hospital  <b>Building configuration:</b> Integrated structure</p>
<p><b>Costs</b></p> <p>Total: \$3,647,164          Building only: \$3,600,000          Housing area: \$2,637,582          Housing per inmate: \$35,168          Housing per cell: \$35,168          Total per inmate: N/A (complex)          Total per GSF: \$126.54          Total annual operating costs: N/A (addition)</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 23,696          Gross square feet/other: 5,126          Gross square feet/total: 28,822          Housing area square feet: 21,696          Gross square feet per inmate: 316          Size of cells: 80 square feet (single)          Net/gross square feet: 96%</p> <p><b>Construction type</b></p>	<p><b>Inmate housing areas</b></p> <p>Design: Linear/outside; module/pod          Cells per unit: 19          Inmates per unit: 19          Management type: Remote surveillance          October 1985 population: 72          Facility commitment: State prisoners          Means to handle crowding: None</p>
<p><b>Security</b></p> <p>Perimeter: Double fence; towers; patrols          Inmate security level:              Maximum: 75%              Medium: 0              Minimum: 25%</p>	<p>Structural: Load bearing precast cell modules          Exterior walls: Brick; architectural precast          Interior walls: Precast cell modules; CIP concrete; CMU block; brick          Exterior surface/facade: Brick</p> <p><b>Inmate design capacity</b></p>	<p><b>Construction process</b></p> <p>Finance method: G.O. Bonds          Contract method: Conventional          Use of inmate labor: None          Use of prefabrication: Extensive, precast cell units</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel          Doors/type: Swinging          Doors/locking: Remote locking only          Floor surface: Linoleum          Intercom: Two-way to common areas          HVAC: Air conditioning; boiler          Plumbing: Stainless steel          Furniture: Steel          Fire protection: Sprinklers for cells and common areas</p>	<p>Single occupancy: 75          Double occupancy: 0          Dorms: 0          Other: 0          Special housing: 0          General population: 75          Total: 75</p> <p><b>Current staff</b></p> <p>Full-time equivalent:          Administration: 17          Security: 50          Programs/treatment: 10          Maintenance: 16          Total: 93 (addition only)          Current inmate/staff ratio: .77:1</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs:          Positive: Use of prefabricated components, factory assembly; simple construction methods, repetitiveness of design          Negative: High labor costs; complex electronic, mechanical, and electrical systems          Factors affecting time schedule:          Positive: Use of prefabricated components, factory assembly; simple construction methods, repetitiveness of design, advanced order of materials and hardware; coordination of design, construction/owner          Negative: Weather problems; complex electronic, mechanical, and electrical systems</p>



FIRST FLOOR PLAN



# Franklin County Detention/Law Enforcement Facility

Responsible official: Sheriff Ronald A. Durrell

Maine

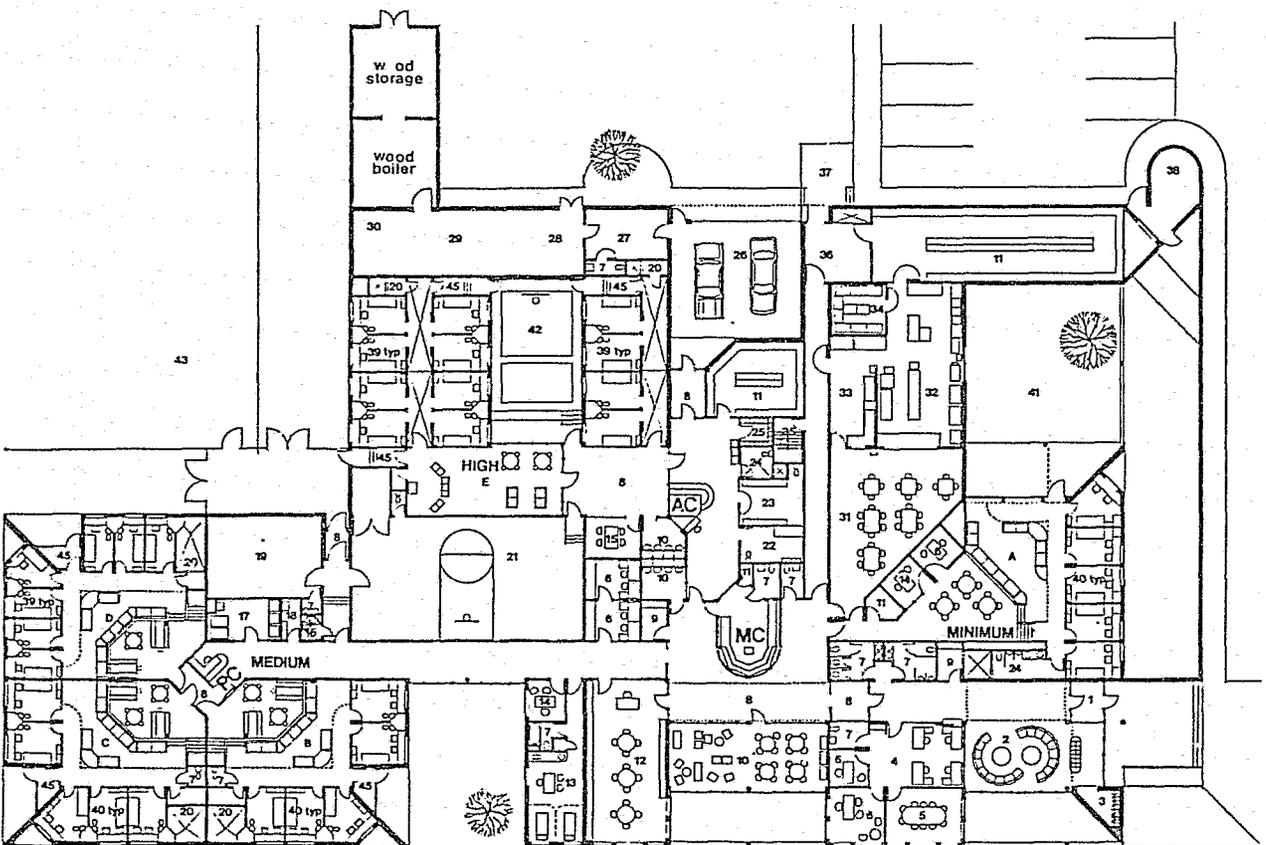
Franklin County, Farmington

**Contact:** Sheriff Ronald A. Durrell, Franklin County Detention/Law Enforcement Facility, Farmington, ME 04938, 207-778-2680

**Architect:** Alexander/Truex/de Groot, 209 Battery Street, Burlington, VT 05401, 802-658-2775

**Construction manager:** None

<p><b>Groundbreaking:</b> May 1982  <b>Finish date:</b> April 1983  <b>Construction time:</b> 11 months</p>	<p><b>Design capacity:</b> 24  <b>Total cost:</b> \$1,302,000  <b>Total annual operating costs:</b> \$417,188</p>	<p><b>Category:</b> New, independent facility  <b>Facility type:</b> Complex: county jail, law enforcement  <b>Building configuration:</b> Integrated structure</p>
<p><b>Costs</b></p> <p>Total: \$1,302,000          Building only: \$1,186,000          Housing area: Unknown          Housing per inmate: Unknown          Housing per cell: Unknown          Total per inmate: N/A (complex)          Total per GSF: \$61.50          Total annual operating costs: \$417,188</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 15,170          Gross square feet/other: 6,000          Gross square feet/total: 21,170          Housing area square feet: 7,500          Gross square feet per inmate: 632          Size of cells: Max. sec. 80 square feet;          med. sec. 66.5 square feet          Net/gross square feet: 67%</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod; combined use cells          Cells per unit: 13          Inmates per unit: 13          Management type: Direct supervision          October 1985 population: 17          Facility commitment: Local jail inmates and State prisoners          Means to handle crowding: Weekend use of multipurpose room; beds in dayroom</p>
<p><b>Security</b></p> <p>Perimeter: Building exterior only; razor wire on fence          Inmate security level:          Maximum: 12%          Medium: 45%          Minimum: 33% (plus 10% holding and detox)</p>	<p><b>Construction type</b></p> <p>Structural: Cast-in-place concrete bearing walls          Exterior walls: Brick          Interior walls: CMU block in attic spaces; cast-in-place concrete          Exterior surface/facade: Brick</p>	<p><b>Construction process</b></p> <p>Finance method: G.O. Bonds          Contract method: Conventional          Use of inmate labor: None          Use of prefabrication: None</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel          Doors/type: Swinging          Doors/locking: Remote and manual locking          Floor surface: Epoxy coating          Intercom: Two-way to cells and common areas          HVAC: Air conditioning-control room; heating/air circulation; heat recovering wheel; oil-fired boiler          Plumbing: Stainless combination unit          Furniture: Steel          Fire protection: Smoke detectors for cells and common areas; air pacs in central control; fire mains and hoses</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 13          Double occupancy: 0          Dorms: 8          Other: 0          Special housing: 3          General population: 21          Total: 24</p> <p><b>Current staff</b></p> <p>Full-time equivalent:          Administration: 2          Security: 12          Programs/treatment: 0          Maintenance: Contractual          Total: 14          Current inmate/staff ratio: 1.21:1</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs:          Positive: Simple construction methods, repetitiveness of design; early ordering of long lead time components          Negative: Complex electronic, mechanical, and electrical systems; government procedures, regulations, "red tape"</p> <p>Factors affecting time schedule:          Positive: Advanced order of materials and hardware; simple construction methods, repetitiveness of design          Negative: Slow responses and delivery from vendors, suppliers</p>



- AC ADMISSIONS CONTROL
- MC MAIN CONTROL
- PC POD CONTROL
- A MINIMUM DAYROOM
- B MEDIUM DAYROOM
- C MEDIUM DAYROOM
- D MEDIUM DAYROOM
- E MAXIMUM DAYROOM
- 1 PUBLIC ENTRY
- 2 WAITING
- 3 COATS
- 4 ADMINISTRATION
- 5 CONFERENCE
- 6 OFFICE
- 7 TOILET
- 8 SALLYPORT
- 9 EXAM
- 10 VISITING
- 11 STORAGE
- 12 LIBRARY
- 13 MEDICAL
- 14 COUNSEL
- 15 ALL PURPOSE
- 16 ACCESS CHASE
- 17 LAUNDRY
- 18 JANITOR STORAGE
- 19 VOCATIONAL
- 20 SHOWER
- 21 GYMNASIUM
- 22 HANDICAP ROOM
- 23 HOLDING ROOM
- 24 TOILET/SHOWER
- 25 LOCKERS
- 26 GARAGE
- 27 MAINTENANCE OFFICE
- 28 MAINTENANCE SHOP
- 29 BOILER ROOM
- 30 COOLING TOWER
- 31 DINING
- 32 KITCHEN
- 33 DISHWASHING
- 34 FREEZER
- 35 STAIR
- 36 SHIPPING/RECEIVING
- 37 LOADING DOCK
- 38 TRANSFORMER
- 39 SINGLE INMATE ROOM
- 40 DOUBLE INMATE ROOM
- 41 MINIMUM RECREATION
- 42 HIGH RECREATION
- 43 MEDIUM RECREATION
- 44 CORRIDOR
- 45 EMERGENCY EXIT

# Baltimore City Correctional Center

Responsible official: George Redd, Unit Manager

Maryland

Baltimore

**Contact:** George Redd, Unit Manager, Baltimore City Correctional Center, 901 Greenmount Avenue, Baltimore, MD 21202, 301-234-1400

**Architect:** Nelson Salabes, Suite 208, 1045 Taylor Avenue, Baltimore, MD 21204, 301-828-6636

**Construction manager:** Heery Program Management, Inc., 7133 Rutherford Road, Baltimore, MD 21207-2784, 301-944-3700

<b>Groundbreaking:</b> May 1982 <b>Finish date:</b> July 1984 <b>Construction time:</b> 26 months	<b>Design capacity:</b> 384 <b>Total cost:</b> \$7,918,000 <b>Total annual operating costs:</b> \$3,758,432	<b>Category:</b> New, independent facility <b>Facility type:</b> State prison <b>Building configuration:</b> Integrated structure; wheel
<b>Costs</b>  Total: \$7,918,000 Building only: \$7,104,348 Housing area: \$4,750,800 Housing per inmate: \$12,372 Housing per cell: \$18,558 Total per inmate: \$20,620 Total per GSF: \$108.47 Total annual operating costs: \$3,758,432	<b>Dimensions</b>  Gross square feet/corrections: 73,000 Gross square feet/other: 0 Gross square feet/total: 73,000 Housing area square feet: 55,700 Gross square feet per inmate: 190 Size of cells: Unknown Net/gross square feet: N/A  <b>Construction type</b>  Structural: Steel frame; CIP concrete frame; load bearing masonry walls Exterior walls: Cast-in-place concrete; CMU block; brick Interior walls: Precast panels; cast-in-place concrete, CMU block Exterior surface/facade: Brick; textured concrete  <b>Inmate design capacity</b>  Single occupancy: 128 Double occupancy: 256 Dorms: 0 Other: 0 Special housing: 0 General population: 384 Total: 384  <b>Current staff</b>  Full-time equivalent: Administration: 22 Security: 74 Programs/treatment: 3 Maintenance: 7 Total: 106 Current inmate/staff ratio: 3.37:1	<b>Inmate housing areas</b>  Design: Linear/outside Cells per unit: 128 Inmates per unit: 192 Management type: Intermittent surveillance October 1985 population: 357 Facility commitment: State prisoners Means to handle crowding: Second bunk permanently attached to wall  <b>Construction process</b>  Finance method: G.O. Bonds Contract method: Construction management fast track Use of inmate labor: None Use of prefabrication: Limited
<b>Security</b>  Perimeter: Building exterior; razor wire on fences Inmate security level: Maximum: 0 Medium: 0 Minimum: 100%		<b>Architect's reported analyses</b>  Factors affecting construction costs: Positive: Simple construction methods; phased construction, fast track construction management; good competition, favorable market Negative: Slow construction, lengthy building time  Factors affecting time schedule: Positive: Use of prefabricated components, factory assembly; simple construction methods, repetitiveness of design; phased construction, fast track construction management Negative: Slow responses and delivery from vendors, suppliers; labor problems
<b>Inmate cells</b>  Doors/material: Steel Doors/type: Swinging Doors/locking: Manual locking Floor surface: Sealed concrete Intercom: None HVAC: Heating/air circulation only Plumbing: Stainless Furniture: Steel Fire protection: Sprinklers for common areas		



# Baltimore City Jail (Addition)

Responsible official: Warden Paul Davis

Maryland

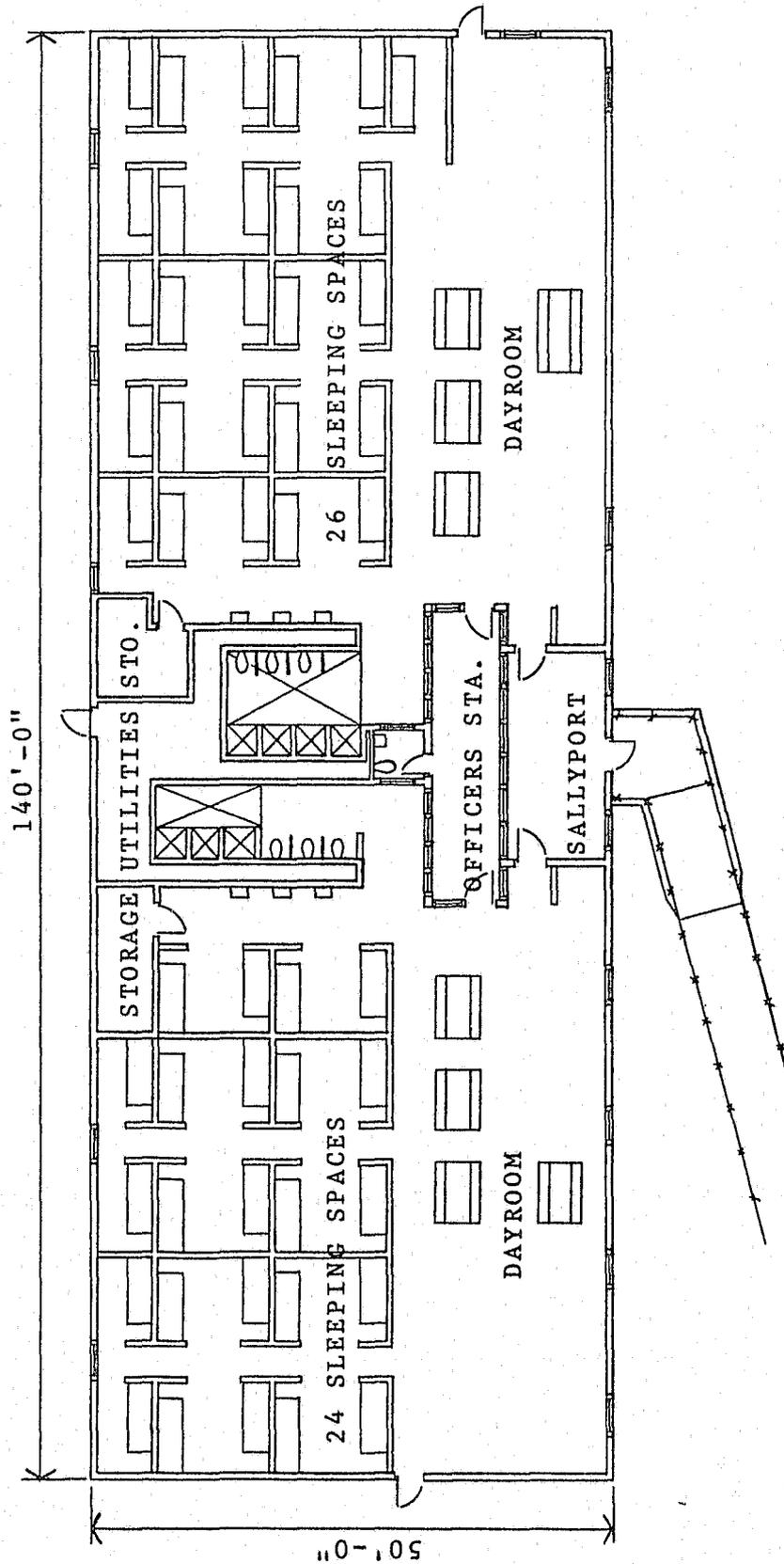
Baltimore

**Contact:** Warden Paul Davis, Baltimore City Jail, 401 East Eager Street, Baltimore, MD 21202, 301-396-5219

**Architect:** The Leon Bridges Company, 123 Market Place, Ninth Floor, Baltimore, MD 21202, 301-625-2555

**Construction manager:** None

<p><b>Groundbreaking:</b> August 1984 <b>Finish date:</b> May 1985 <b>Construction time:</b> 9 months</p>	<p><b>Design capacity:</b> 50 <b>Total cost:</b> \$655,000 <b>Total annual operating costs:</b> N/A (addition)</p>	<p><b>Category:</b> New, ancillary building <b>Facility type:</b> City jail <b>Building configuration:</b> Integrated structure</p>
<p><b>Costs</b></p> <p>Total: \$655,000 Building only: \$650,000 Housing area: \$500,000 Housing per inmate: \$10,000 Housing per cell: N/A Total per inmate: \$13,100 Total per GSF: \$93.57 Total annual operating costs: N/A (addition)</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 7,000 Gross square feet/other: 0 Gross square feet/total: 7,000 Housing area square feet: 3,120 Gross square feet per inmate: 140 Size of cells: N/A Net/gross square feet: 93%</p> <p><b>Construction type</b></p> <p>Structural: Concrete and CMU pilasters with steel beam and interior st. col. Exterior walls: CMU block; architectural precast roof Interior walls: CMU block Exterior surface/facade: Paint</p> <p><b>Inmate design capacity</b></p> <p>Single occupancy: 0 Double occupancy: 0 Dorms: 50 Other: 0 Special housing: 0 General population: 50 Total: 50</p> <p><b>Current staff</b></p> <p>Full-time equivalent: Administration: N/A Security: 10 Programs/treatment: N/A Maintenance: N/A Total: 10 (addition only) Current inmate/staff ratio: 5:1</p>	<p><b>Inmate housing areas</b></p> <p>Design: Open dormitory Cells per unit: N/A Inmates per unit: 25 Management type: Remote surveillance; direct supervision October 1985 population: 50 Facility commitment: Local jail inmates Means to handle crowding: New construction</p> <p><b>Construction process</b></p> <p>Finance method: Federal funding Contract method: Turn-key design and build Use of inmate labor: None Use of prefabrication: Limited</p>
<p><b>Security</b></p> <p>Perimeter: Single fence; alarm/detection system; razor wire on fence Inmate security level: Maximum: 0 Medium: 10% Minimum: 90%</p>		<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs: Positive: Simple construction methods, repetitiveness of design; good competition, favorable market; simple building design Negative: Difficult site conditions; detention grade doors, fixtures</p> <p>Factors affecting time schedule: Positive: Fast track proposal; coordination of design, construction/owner Negative: Slow responses and delivery from vendors, suppliers; weather problems</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel Doors/type: Swinging Doors/locking: Remote locking Floor surface: Linoleum; sealed concrete Intercom: One-way to common areas HVAC: Heat pump Plumbing: Stainless Furniture: Steel Fire protection: Smoke detectors for common areas; manual alarm stations</p>		



# Washington County Detention Center

Responsible official: Sheriff Glen Bowman

Maryland

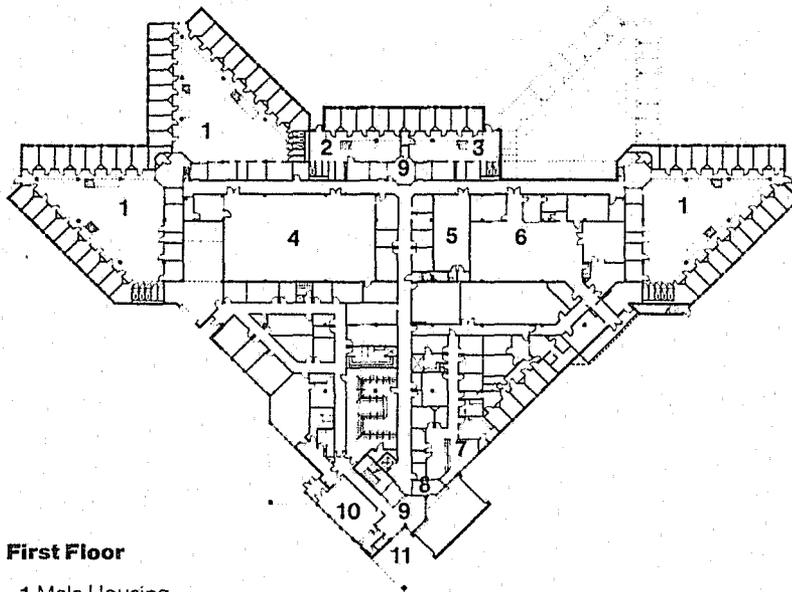
Washington County, Hagerstown

**Contact:** Lieutenant Wayne McAllister, Warden, Washington County Detention Center, 500 Western Maryland Parkway, Hagerstown, MD 21740, 301-791-3020

**Architect:** Hellmuth, Obata & Kassabaum, Inc., One Lombard Street, San Francisco, CA 94111, 415-627-1600

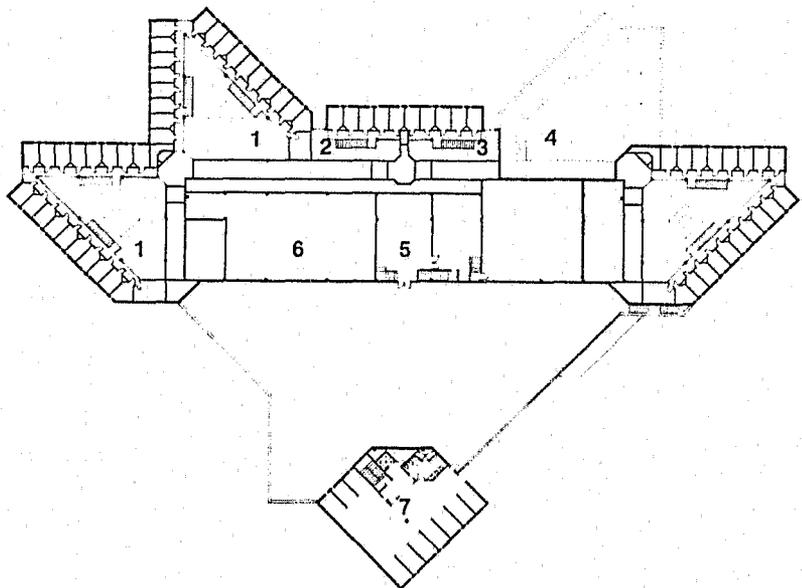
**Construction manager:** None

<p><b>Groundbreaking:</b> August 1982 <b>Finish date:</b> February 1984 <b>Construction time:</b> 18 months</p>	<p><b>Design capacity:</b> 152 <b>Total cost:</b> \$5,869,700 <b>Total annual operating costs:</b> \$1,088,334</p>	<p><b>Category:</b> New independent facility <b>Facility type:</b> County jail <b>Building configuration:</b> Integrated structure</p>
<p><b>Costs</b></p> <p>Total: \$5,869,700 Building only: \$5,369,700 Housing area: \$3,758,790 Housing per inmate: \$25,397 Housing per cell: \$28,262 Total per inmate: \$38,616 Total per GSF: \$104.88 Total annual operating costs: \$1,088,334</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 55,965 Gross square feet/other: 0 Gross square feet/total: 55,965 Housing area square feet: 27,982 Gross square feet per inmate: 368 Size of cells: 70 square feet (single) Net/gross square feet: 72%</p> <p><b>Construction type</b></p> <p>Structural: Unknown Exterior walls: CMU block; brick Interior walls: Cast-in-place concrete; CMU block Exterior surface/facade: Unknown</p> <p><b>Inmate design capacity</b></p> <p>Single occupancy: 128 Double occupancy: 0 Dorms: 20 Other: 0 Special housing: 4 General population: 148 Total: 152</p> <p><b>Current staff</b></p> <p>Full-time equivalent: Administration: 4 Security: 45 Programs/treatment: 4 Maintenance: 3 Total: 56 Current inmate/staff ratio: 2.54:1</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod Cells per unit: 36 Inmates per unit: 36 Management type: Remote surveillance October 1985 population: 142 Facility commitment: Local jail inmates Means to handle crowding: Second bunk permanently attached to wall</p> <p><b>Construction process</b></p> <p>Finance method: Local funds; State funds Contract method: Conventional Use of inmate labor: None Use of prefabrication: None</p> <p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs: Positive: Detention specialities Negative: None</p> <p>Factors affecting time schedule: Positive: Structure independent of masonry Negative: Slow response and delivery of hardware</p>
<p><b>Security</b></p> <p>Perimeter: Double fence; razor wire on fence Inmate security level: Maximum: 80% Medium: 0 Minimum: 20%</p>		
<p><b>Inmate cells</b></p> <p>Doors/material: Steel Doors/type: Swinging Doors/locking: Remote locking only Floor surface: Sealed concrete Intercom: Two-way to common areas HVAC: Heating/air circulation only Plumbing: Stainless Furniture: Steel Fire protection: Smoke detectors and sprinklers for cells</p>		



**First Floor**

- 1 Male Housing
- 2 Segregated Housing
- 3 Female Housing
- 4 Multi-purpose/Exercise
- 5 Laundry
- 6 Kitchen
- 7 Booking
- 8 Sally Port
- 9 Central Control
- 10 Public Lobby
- 11 Service/Intake Entry



**Second Floor**

- 1 Housing Mezzanine
- 2 Segregated Mezzanine
- 3 Female Mezzanine
- 4 Future Expansion
- 5 Mechanical Room
- 6 Upper Gymnasium
- 7 Work Release

# State Prison of Southern Michigan (Hospital Addition)

Responsible official: Eric Jacobson, Hospital Administrator

Michigan

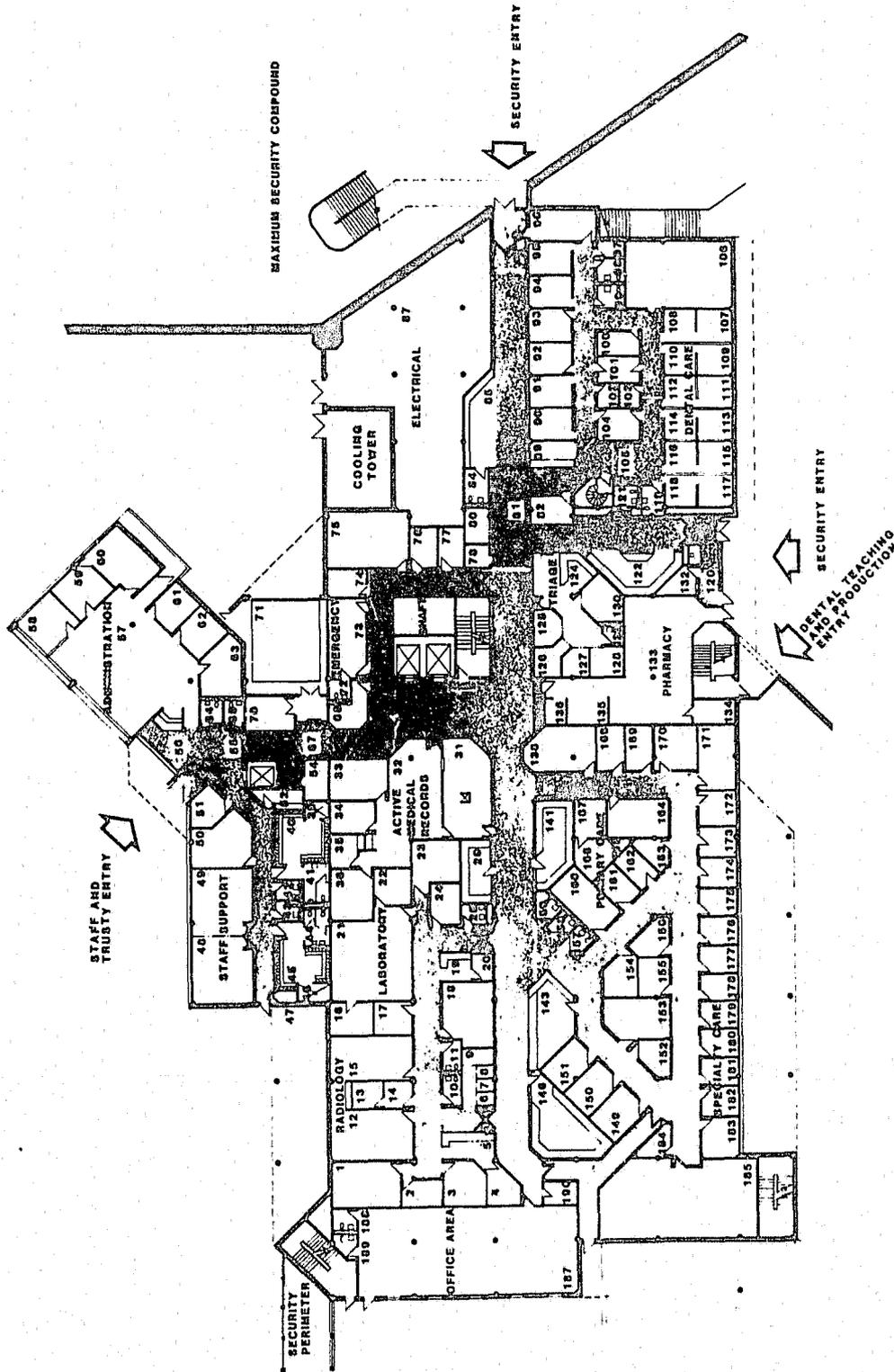
Jackson

**Contact:** Larry N. Coe, Physical Plant Superintendent, State Prison of Southern Michigan, 4000 Cooper Street, Jackson, MI 49201, 517-788-7560

**Architect:** Louis G. Redstone Associates, Inc., 28425 West Eight Mile Road, Livonia, MI 48152, 313-476-6620

**Construction manager:** None

<p><b>Groundbreaking:</b> December 1983  <b>Finish date:</b> February 1986  <b>Construction time:</b> 26 months</p>	<p><b>Design capacity:</b> 94  <b>Total cost:</b> \$9,717,255  <b>Total annual operating costs:</b> \$12,000,000 (hospital)</p>	<p><b>Category:</b> New, ancillary building  <b>Facility type:</b> State prison hospital  <b>Building configuration:</b> Integrated structure</p>
<p><b>Costs</b></p> <p>Total: \$9,717,255          Building only: \$8,479,255          Housing area: N/A (hospital)          Housing per inmate: N/A          Housing per cell: N/A          Total per inmate: N/A (hospital)          Total per GSF: \$95.83          Total annual operating costs: \$12,000,000 (hospital)</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 101,400          Gross square feet/other: 0          Gross square feet/total: 101,400          Housing area square feet: N/A (hospital)          Gross square feet per inmate: 1,079          Size of cells: N/A (hospital)          Net/gross square feet: 54%</p>	<p><b>Inmate housing areas</b></p> <p>Design: Linear, outside          Cells per unit: N/A          Inmates per unit: 94          Management type: Intermittent surveillance          October 1985 population: 94          Facility commitment: State prison patients          Means to handle crowding: N/A</p>
<p><b>Security</b></p> <p>Perimeter: Building exterior; double fence; alarm/detection systems; razor wire on fence          Inmate security level:          Maximum: 80%          Medium: 20%          Minimum: 0</p>	<p><b>Construction type</b></p> <p>Structural: Cast-in-place concrete frame          Exterior walls: Brick          Interior walls: CMU block; plaster on lath          Exterior surface/facade: Brick</p>	<p><b>Construction process</b></p> <p>Finance method: State funds          Contract method: Conventional          Use of inmate labor: None          Use of prefabrication: Limited; brick soffit panels</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel          Doors/type: Swinging          Doors/locking: Remote locking; manual locking          Floor surface: Sheet vinyl          Intercom: Staff to staff only; patients have call button          HVAC: Air conditioning; steam from central heating plant          Plumbing: Stainless; china          Furniture: Steel          Fire protection: Smoke detectors for common areas; sprinklers throughout</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 0          Double occupancy: 0          Dorms: 0          Other: 0          Special housing: 94          General population: 0          Total: 94</p> <p><b>Current staff</b></p> <p>Full-time equivalent:          Administration: 12          Security: 50          Programs/treatment: 292          Maintenance: 4          Total: 358 (hospital)          Current inmate/staff ratio: .26:1</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs:          Positive: Good competition, favorable market; no major security provisions necessary          Negative: Government procedures, regulations, "red tape"; complex remote locking, mechanical, and electrical systems</p> <p>Factors affecting time schedule:          Positive: Simple construction methods, repetitiveness of design; coordination of design, construction/owner          Negative: Slow responses and delivery from vendors, suppliers; government procedures, regulations, "red tape"</p>



# Minnesota Supervised Living Facility (Addition)

Responsible official: Joseph W. Solien, Chief Executive Officer

Minnesota

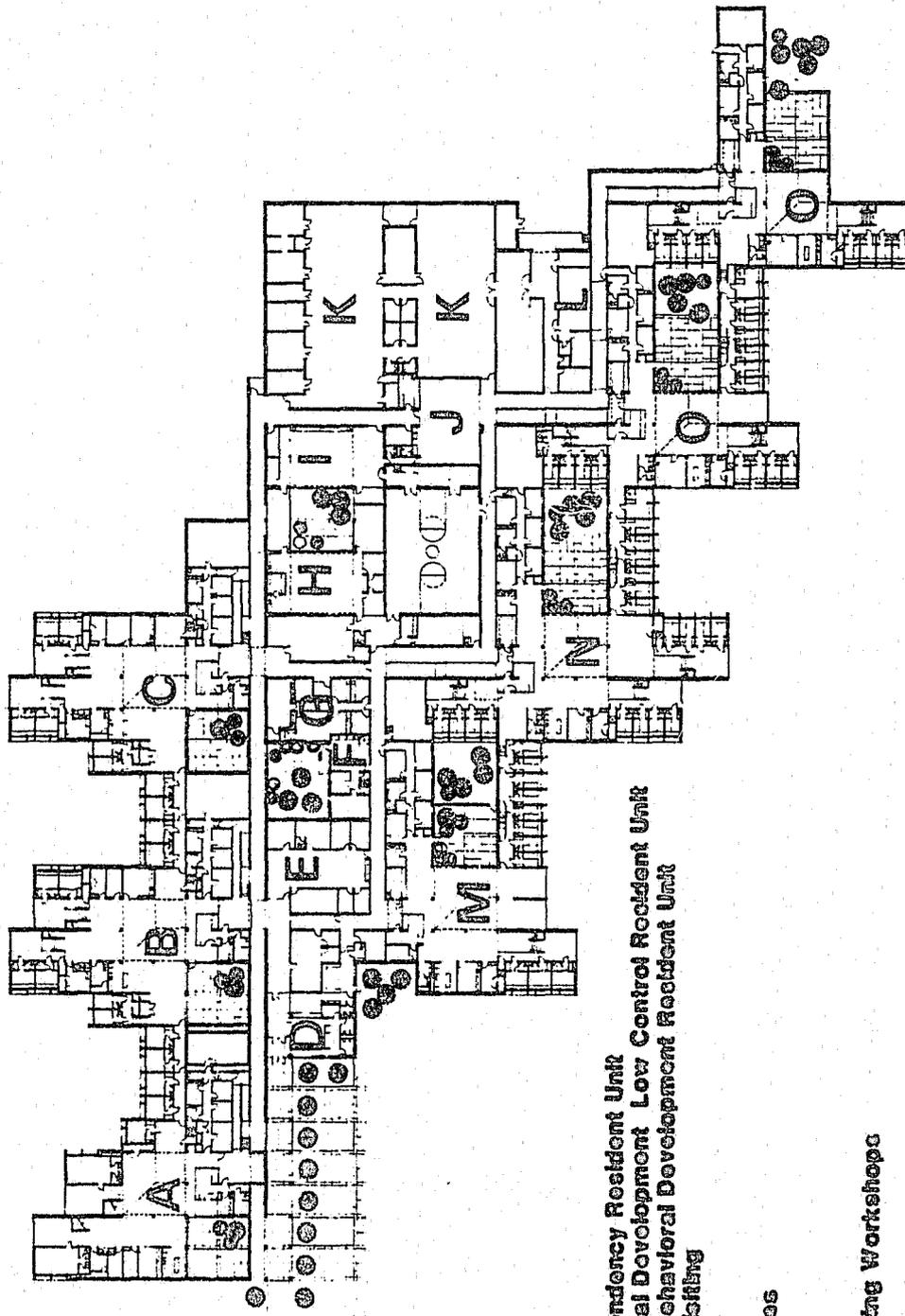
St. Peter

**Contact:** Joseph W. Solien, Minnesota Supervised Living Facility, 100 Freeman Drive, St. Peter, MN 56082, 507-931-7100

**Architect:** Hammel Green & Abrahamson, Inc., 1201 Harmon Place, Minneapolis, MN 55403, 612-332-3944

**Construction manager:** None

<p><b>Groundbreaking:</b> October 1979  <b>Finish date:</b> June 1981  <b>Construction time:</b> 21 months</p>	<p><b>Design capacity:</b> 164  <b>Total cost:</b> \$8,389,800  <b>Total annual operating costs:</b>          N/A (addition)</p>	<p><b>Category:</b> New, ancillary building  <b>Facility type:</b> State prison for criminally insane  <b>Building configuration:</b> Integrated structure with courtyard</p>
<p><b>Costs</b></p> <p>Total: \$8,389,800          Building only: \$7,189,800          Housing area: \$5,578,846          Housing per inmate: \$34,017          Housing per cell: \$46,106          Total per inmate: \$51,157          Total per GSF: \$68.80          Total annual operating costs: N/A (addition)</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 121,939          Gross square feet/other: 0          Gross square feet/total: 121,939          Housing area square feet: 81,574          Gross square feet per inmate: 744          Size of cells: 91 square feet (single); 134 (double); 331 (4-bed)          Net/gross square feet: 84%</p>	<p><b>Inmate housing areas</b></p> <p>Design: Linear, outside, interior          Cells per unit: 16 to 24          Inmates per unit: 16 to 32          Management type: Direct supervision; remote surveillance          October 1985 population: Approx. 165          Facility commitment: State prisoners; local jail inmates          Means to handle crowding: Unknown</p>
<p><b>Security</b></p> <p>Perimeter: Building exterior; razor wire on and between fences; wire netting over interior courtyards; double fence around recreation area          Inmate security level:          Maximum: 60%          Medium: 40%          Minimum: 0</p>	<p><b>Construction type</b></p> <p>Structural: Steel frame; CIP concrete frame          Exterior walls: Precast panels/decking; CIP concrete; CMU block; brick          Interior walls: CIP concrete; CMU block          Exterior surface/facade: Brick</p>	<p><b>Construction process</b></p> <p>Finance method: State funds          Contract method: Conventional          Use of inmate labor: None          Use of prefabrication: Limited</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel          Doors/type: Swinging          Doors/locking: Remote locking          Floor surface: Carpet or epoxy coating          Intercom: Two-way to common areas          HVAC: Air conditioning; steam boiler heating plant pumps hot water to building fan coils, radiation, convectors, and heating coils          Plumbing: Stainless combination unit          Furniture: Steel; wood; vinyl/plastic; concrete          Fire protection: Smoke detectors for common areas</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 86          Double occupancy: 62          Dorms: 0          Other: 16          Special housing: 0          General population: 164          Total: 164</p> <p><b>Current staff</b></p> <p>Full-time equivalent:          Administration: Unknown          Security: Unknown          Programs/treatment: Unknown          Maintenance: Unknown          Total: 160 to 170 (addition only)          Current inmate/staff ratio: Approx. 1:1</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs:          Positive: Simple construction methods, repetitiveness of design; good competition, favorable market          Negative: Difficult site conditions</p> <p>Factors affecting time schedule:          Positive: Simple construction methods, repetitiveness of design; advanced order of materials and hardware; coordination of design, construction/owner          Negative: Government procedures, regulations, "red tape"</p>



Floor Plan

**Key**

- A. Chemical Dependency Resident Unit
- B. Basic Behavioral Development Low Control Resident Unit
- C. Intermediate Behavioral Development Resident Unit
- D. Entry Portal/Visiting
- E. Administration
- F. Staff Services
- G. Medical Services
- H. Education
- I. Crafts
- J. Canteen
- K. Industrial Training Workshops
- L. Kitchen
- M. Womens Resident Unit
- N. Admissions and Assessment Resident Unit
- O. Basic Behavioral Development High Control Resident Unit

# Jackson County Adult Detention Center

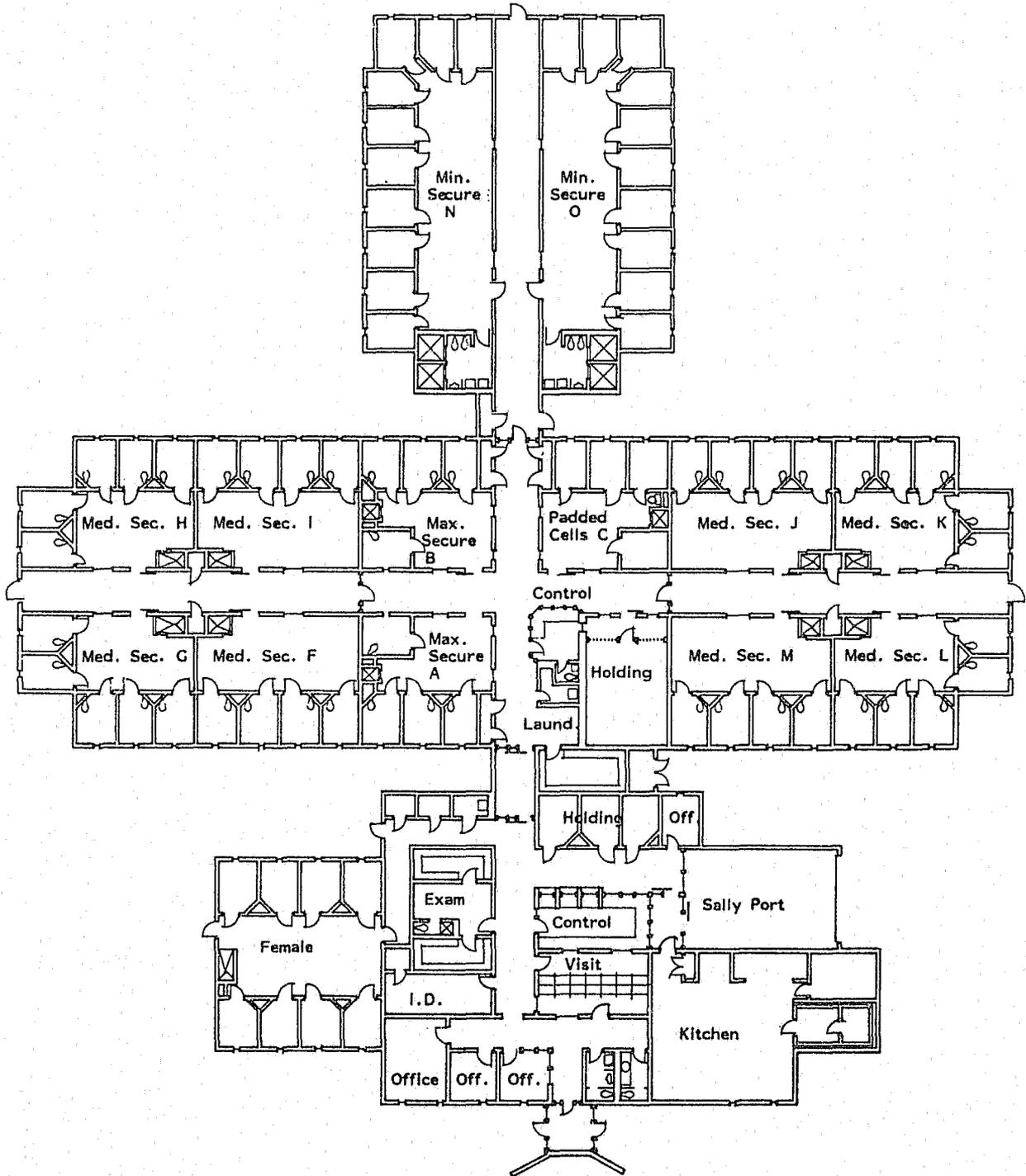
Responsible official: Sheriff Wallace Gill

Mississippi

Jackson County, Pascagoula

**Contact:** Fearon Jenne III, Director, Adult Detention Center, 1719 Kenneth Avenue, Pascagoula, MS 39567, 601-769-3052  
**Architect:** Slaughter & Allred, P.A., A.I.A., P.O. Box 447, 3690 14th Street, Pascagoula, MS 39567, 601-762-1975  
**Construction manager:** None

<p><b>Groundbreaking:</b> January 1978  <b>Finish date:</b> May 1979  <b>Construction time:</b> 16 months</p>	<p><b>Design capacity:</b> 99  <b>Total cost:</b> \$1,362,291  <b>Total annual operating costs:</b> \$1,028,776</p>	<p><b>Category:</b> New, independent facility  <b>Facility type:</b> County jail  <b>Building configuration:</b> Integrated structure</p>
<p><b>Costs</b></p> <p>Total: \$1,362,291  Building only: \$1,287,137  Housing area: \$994,544  Housing per inmate: \$12,589  Housing per cell: \$12,589  Total per inmate: \$13,761  Total per GSF: \$61.70  Total annual operating costs: \$1,028,776</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 22,078  Gross square feet/other: 0  Gross square feet/total: 22,078  Housing area square feet: 16,818  Gross square feet per inmate: 223  Size of cells: 80 square feet (single)  Net/gross square feet: N/A</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod  Cells per unit: 18  Inmates per unit: 18  Management type: Intermittent surv.  October 1985 population: 105  Facility commitment: Local jail inmates and State prisoners  Means to handle crowding: Mattresses on floor; second bunk permanently attached to wall</p>
<p><b>Security</b></p> <p>Perimeter: Single fence; razor wire on fence  Inmate security level:  Maximum: 8%  Medium: 68%  Minimum: 20% (+ 4% safety cells)</p>	<p><b>Construction type</b></p> <p>Structural: Load bearing precast panels  Exterior walls: Precast panels  Interior walls: Precast panels; CMU block  Exterior surface/facade: Textureflex coating on concrete panels</p>	<p><b>Construction process</b></p> <p>Finance method: Federal and local funds  Contract method: Conventional  Use of inmate labor: None  Use of prefabrication: Limited</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel  Doors/type: Swinging  Doors/locking: Remote locking only  Floor surface: Sealed concrete  Intercom: One-way to common areas  HVAC: Air conditioning  Plumbing: Stainless combination unit  Furniture: Steel  Fire protection: Smoke detectors for common areas; manual alarm stations; exhaust fans interlocked with smoke detectors in ducts</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 79  Double occupancy: 0  Dorms: 0  Other: 0  Special housing: 20  General population: 79  Total: 99</p> <p><b>Current staff</b></p> <p>Full-time equivalent:  Administration: 6  Security: 22  Programs/treatment: 2  Maintenance: 6  Total: 36  Current inmate/staff ratio: 2.92:1</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs:  Positive: Precast concrete wall and roof panels; good competition, favorable market  Negative: Complex electronic, mechanical, and electrical systems</p> <p>Factors affecting time schedule:  Positive: Precast concrete wall and roof panels; simple construction methods, repetitiveness of design; coordination of design, construction/owner  Negative: Weather problems; security glass problems</p>



# Mississippi State Penitentiary—Unit 29

Responsible official: Superintendent Donald A. Cabana

Mississippi

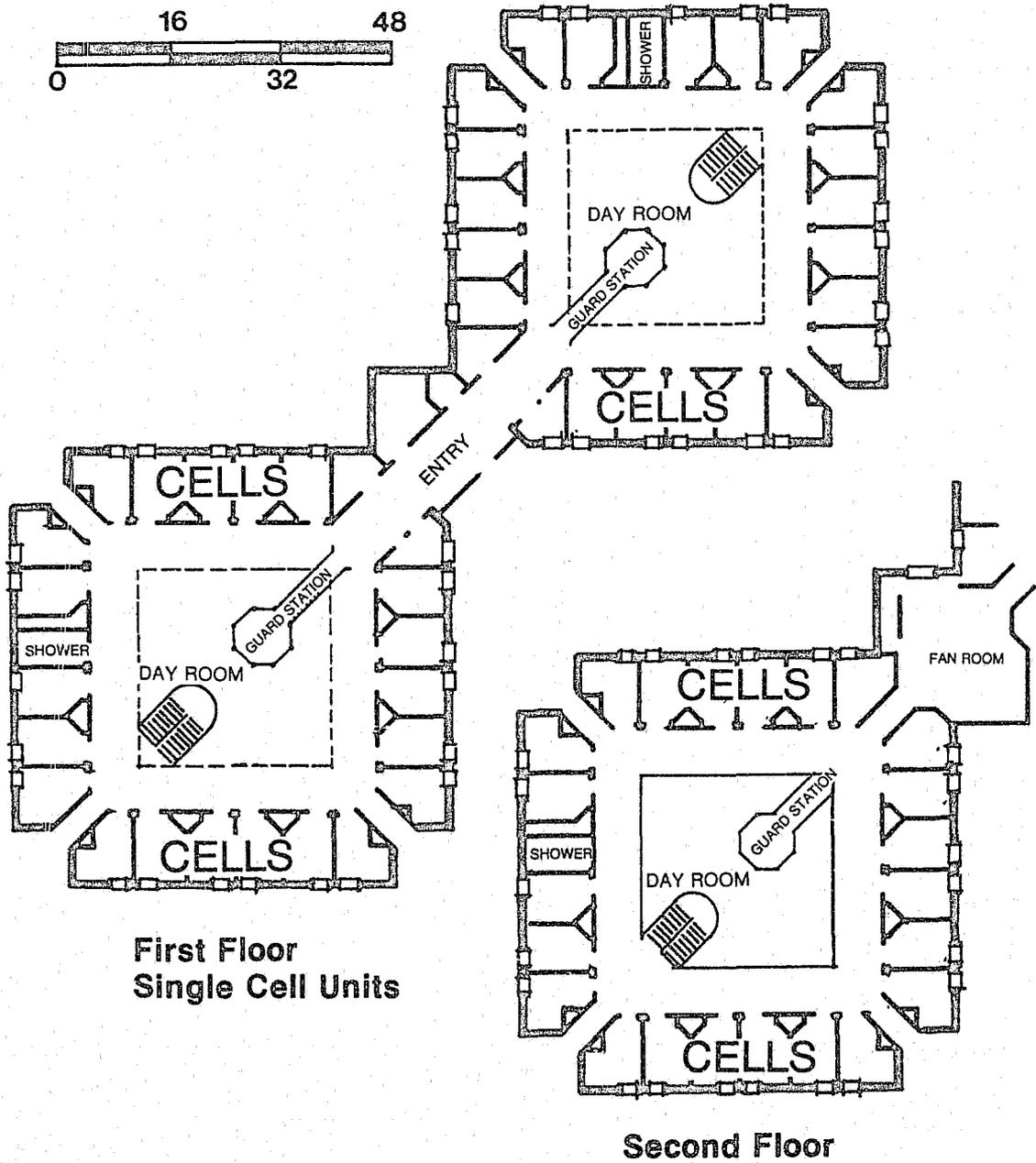
Parchman

**Contact:** Deputy Warden Wayne Fleming, Mississippi State Penitentiary—Unit 29, Parchman, MS 38738, 601-745-6611

**Architect:** The Design Collective, P.A., P.O. Box 22678, 777 North State Street, Jackson, MS 39205, 601-969-7113

**Construction manager:** None

<p><b>Groundbreaking:</b> June 1979  <b>Finish date:</b> September 1981  <b>Construction time:</b> 28 months</p>	<p><b>Design capacity:</b> 1,576  <b>Total cost:</b> \$18,706,145  <b>Total annual operating costs:</b>          \$6,200,000</p>	<p><b>Category:</b> New, independent facility  <b>Facility type:</b> State prison  <b>Building configuration:</b> Campus style</p>
<p><b>Costs</b></p> <p>Total: \$18,706,145          Building only: \$14,924,901          Housing area: \$12,178,475          Housing per inmate: \$7,727          Housing per cell: \$23,153          Total per inmate: \$11,869          Total per GSF: \$86.43          Total annual operating costs: \$6,200,000</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 216,426          Gross square feet/other: 0          Gross square feet/total: 216,426          Housing area square feet: 175,950          Gross square feet per inmate: 137          Size of cells: 70 square feet (single)          Net/gross square feet: 92%</p> <p><b>Construction type</b></p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod          Cells per unit: 12          Inmates per unit: 44 (single cell bldgs.);          64 (dorm bldgs.)          Management type: Remote surveillance          October 1985 population: 1,456          Facility commitment: State prisoners;          local jail inmates          Means to handle crowding: N/A</p>
<p><b>Security</b></p> <p>Perimeter: Double fence; alarm/detection systems; razor wire on fence; towers; patrols          Inmate security level:          Maximum: 0          Medium: 33.5%          Minimum: 66.5%</p>	<p>Structural: Load bearing precast panels; precast concrete frame          Exterior walls: Precast panels; architectural precast          Interior walls: Precast panels; CMU block          Exterior surface/facade: Textured concrete</p> <p><b>Inmate design capacity</b></p>	<p><b>Construction process</b></p> <p>Finance method: Shared cost from multiple jurisdictions          Contract method: Conventional          Use of inmate labor: None          Use of prefabrication: Extensive, elements made at plant and shipped to job site</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Solid steel          Doors/type: Swinging          Doors/locking: Motor driven and remote locking          Floor surface: Sealed concrete; tile          Intercom: Two-way to cells          HVAC: Heating/air circulation only          Plumbing: Stainless          Furniture: Steel          Fire protection: Smoke detectors for cells and common areas</p>	<p>Single occupancy: 176          Double occupancy: 0          Dorms: 1,400          Other: 0          Special housing: 0          General population: 1,576          Total: 1,576</p> <p><b>Current staff</b></p> <p>Full-time equivalent:          Administration: 4          Security: 221          Programs/treatment: 56          Maintenance: 2          Total: 283          Current inmate/staff ratio: 5.14:1</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs:          Positive: Use of prefabricated components, factory assembly; simple construction methods, repetitiveness of design; phased construction, fast track construction management          Negative: Difficult site conditions (landfill required)</p> <p>Factors affecting time schedule:          Positive: Use of prefabricated components, factory assembly; simple construction methods, repetitiveness of design          Negative: Weather problems; difficult site conditions</p>



# Clay County Detention Center

Responsible official: Sheriff Jack Corum

Missouri

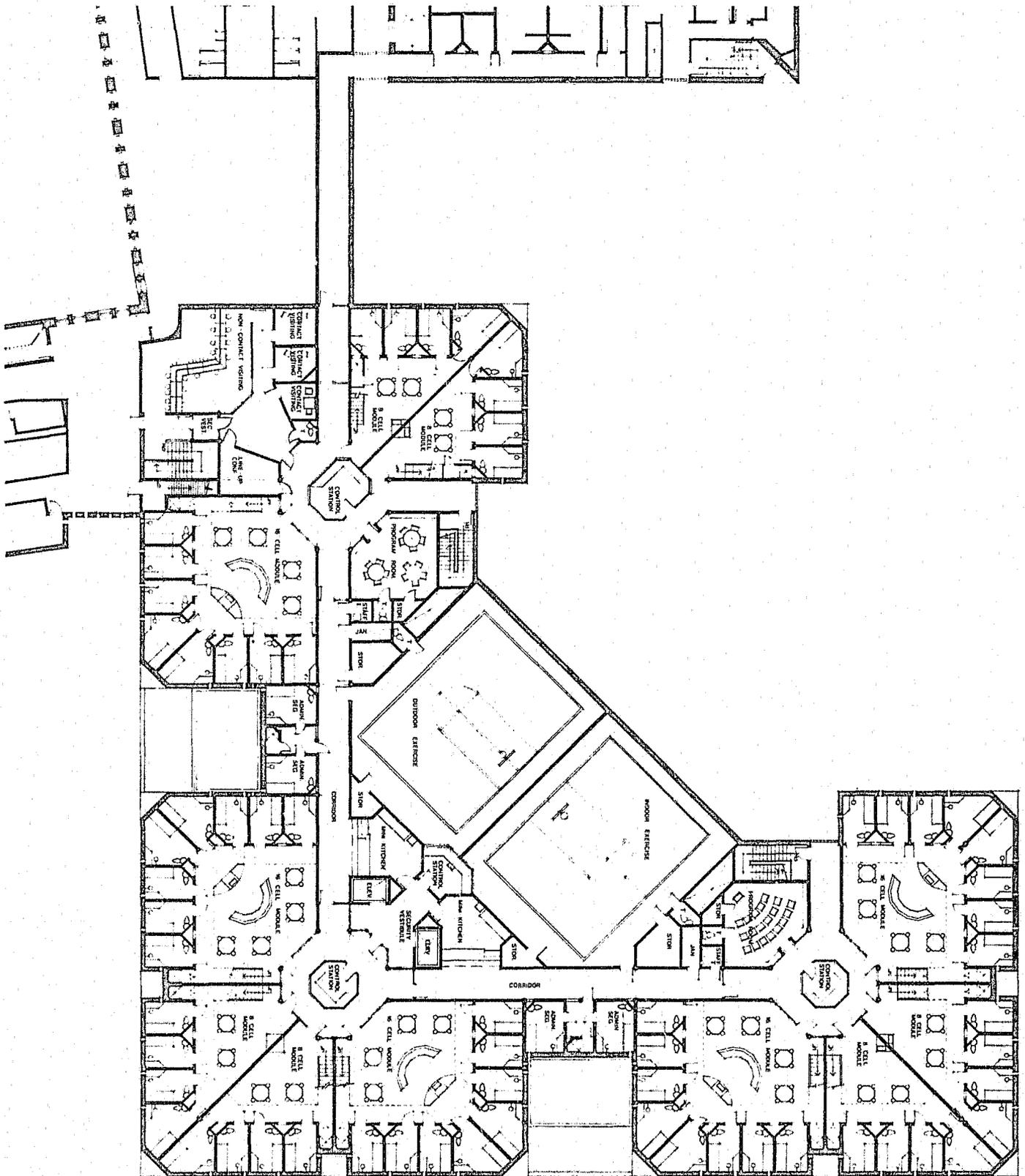
Clay County, Liberty

**Contact:** Captain C.O. Hanson, Jail Administrator, Clay County Detention Center, 14 South Water Street, Liberty, MO 64068, 816-459-1625

**Architect:** Abend Singleton Associates, 20 West Ninth, Kansas City, MO 64105, 816-221-5011

**Construction manager:** Cecil Lovett, 27 South Leonard, Liberty, MO 64068, 816-781-4189

<b>Groundbreaking:</b> December 1982 <b>Finish date:</b> February 1985 <b>Construction time:</b> 26 months	<b>Design capacity:</b> 161 <b>Total cost:</b> \$6,230,000 <b>Total annual operating costs:</b> \$1,464,949	<b>Category:</b> New, independent facility <b>Facility type:</b> County jail (as part of Justice Complex) <b>Building configuration:</b> Clusters
<b>Costs</b>  Total: \$6,230,000 Building only: Unknown Housing area: Unknown Housing per inmate: Unknown Housing per cell: Unknown Total per inmate: \$38,696 Total per GSF: \$102.98 Total annual operating costs: \$1,464,949	<b>Dimensions</b>  Gross square feet/corrections: 60,500 Gross square feet/other: 0 Gross square feet/total: 60,500 Housing area square feet: 34,600 Gross square feet per inmate: 376 Size of cells: 70 square feet (single); 90 square feet (double) Net/gross square feet: Unknown	<b>Inmate housing areas</b>  Design: Module/pod Cells per unit: 10 to 20 Inmates per unit: 10 to 20 Management type: Remote surveillance October 1985 population: 131 Means to handle crowding: Second bunk permanently attached to wall
<b>Security</b>  Perimeter: Building exterior only Inmate security level: Maximum: 15% (design: 100%) Medium: 20% Minimum: 65%	<b>Construction type</b>  Structural: Masonry Exterior walls: Masonry Interior walls: Masonry Exterior surface/facade: Masonry	<b>Construction process</b>  Finance method: G.O. Bonds Contract method: Conventional Use of inmate labor: None Use of prefabrication: None
<b>Inmate cells</b>  Doors/material: Steel Doors/type: Swinging Doors/locking: Remote locking Floor surface: Sealed concrete Intercom: Two-way to cells and common areas HVAC: Air conditioning; heating includes computerized energy management system Plumbing: Stainless steel Furniture: Steel Fire protection: Smoke detectors for cells	<b>Inmate design capacity</b>  Single occupancy: 100 Double occupancy: 32 Dorms: 0 Other: 20 Special housing: 9 General population: 152 Total: 161	<b>Architect's reported analyses</b>  Factors affecting construction costs: Positive: Good competition, favorable market; less expensive materials and hardware Negative: Slow contractor, lengthy building time; difficult site conditions
	<b>Current staff</b>  Full-time equivalent: Administration: 5 Security: 38 Programs/treatment: 3 Maintenance: 5 Total: 51 Current inmate/staff ratio: 2.57:1	Factors affecting time schedule: Positive: None Negative: None



# Jackson County Detention Center

Responsible official: Charles Megerman, Director

Missouri

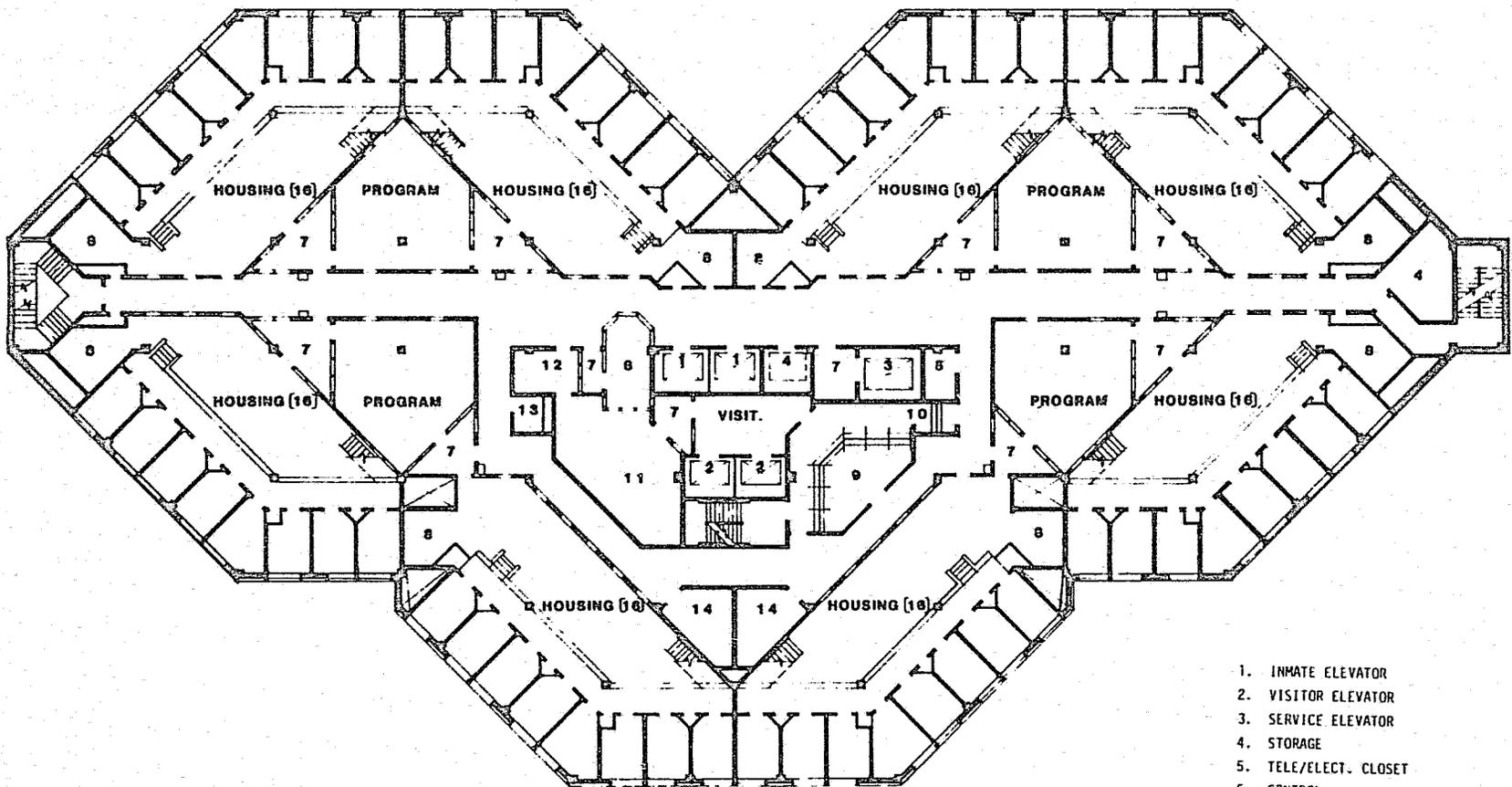
Jackson County, Kansas City

**Contact:** Charles Megerman, Director, Jackson County Detention Center, 1300 Cherry Street, Kansas City, MO 64106, 816-881-4233

**Architect:** Patrick + Associates, Inc., 199 South Fifth Street, Columbus, OH 43215, 614-228-3233

**Construction manager:** Concordia, Crown Center, Suite 120, 244 Pershing Road, Kansas City, MO 61408, 816-842-9015

<p><b>Groundbreaking:</b> February 1982 <b>Finish date:</b> November 1983 <b>Construction time:</b> 22 months</p>	<p><b>Design capacity:</b> 520 <b>Total cost:</b> \$26,958,147 <b>Total annual operating costs:</b> \$5,500,000 (excl. utilities and maintenance)</p>	<p><b>Category:</b> New, independent facility <b>Facility type:</b> Complex: county jail and courts <b>Building configuration:</b> Integrated structure; high rise</p>
<p><b>Costs</b></p> <p>Total: \$26,958,147 Building only: \$26,858,147 Housing area: \$15,166,954 Housing per inmate: \$32,687 Housing per cell: \$32,687 Total per inmate: N/A (complex) Total per GSF: \$89.09 Total annual operating costs: \$5,500,000 (excl. utilities and maintenance)</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 255,887 Gross square feet/other: 46,704 Gross square feet/total: 302,591 Housing area square feet: 160,735 Gross square feet per inmate: 551 Size of cells: 70.5 square feet (single) Net/gross square feet: 66%</p> <p><b>Construction type</b></p> <p>Structural: Cast-in-place concrete frame Exterior walls: Cast-in-place concrete; CMU block; brick Interior walls: CMU block; steel panels with glass Exterior surface/facade: Brick</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod (direct natural light) Cells per unit: 64 Inmates per unit: 64 Management type: Intermittent and remote surveillance October 1985 population: 513 Facility commitment: Local jail inmates Means to handle crowding: Mattresses on floor</p>
<p><b>Security</b></p> <p>Perimeter: Building exterior only Inmate security level: Maximum: 7% Medium: 87% Minimum: 6%</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 464 Double occupancy: 0 Dorms: 0 Other: 0 Special housing: 56 General population: 464 Total: 520</p> <p><b>Current staff</b></p> <p>Full-time equivalent: Administration: 38 Security: 175 Programs/treatment: 32 Maintenance: 28 Total: 273 Current inmate/staff ratio: 1.88:1</p>	<p><b>Construction process</b></p> <p>Finance method: Special election; local funds Contract method: Conventional Use of inmate labor: None Use of prefabrication: Limited</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel Doors/type: Sliding Doors/locking: Remote locking only Floor surface: Sealed concrete Intercom: Two-way to common areas HVAC: Heating/air circulation only Plumbing: Stainless steel Furniture: Steel Fire protection: Smoke detectors and sprinklers for common areas; manual alarm stations</p>		<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs: Positive: Use of prefabricated components; repetitiveness of design; good competition; less expensive materials Negative: High security level construction; cast-in-place concrete frame</p> <p>Factors affecting time schedule: Positive: Use of prefabricated components; simple construction methods; advanced order of materials and hardware; coordination of design; good contractor Negative: Slow responses from vendors; labor and weather problems; government "red tape"; complex electronic, mechanical, and electrical systems; 12-story building</p>



- 1. INMATE ELEVATOR
- 2. VISITOR ELEVATOR
- 3. SERVICE ELEVATOR
- 4. STORAGE
- 5. TELE/ELECT. CLOSET
- 6. CONTROL
- 7. SECURITY VESTIBULE
- 8. HYGIENE
- 9. NON-CONTACT VISITATION
- 10. ATTORNEY CONSULTATION
- 11. CONTACT VISITATION
- 12. INMATE STRIP SEARCH
- 13. TOILET
- 14. CASEWORKER

# Missouri Eastern Correctional Center

Responsible official: Colonel Gerard Frey, Superintendent

Missouri  
Pacific

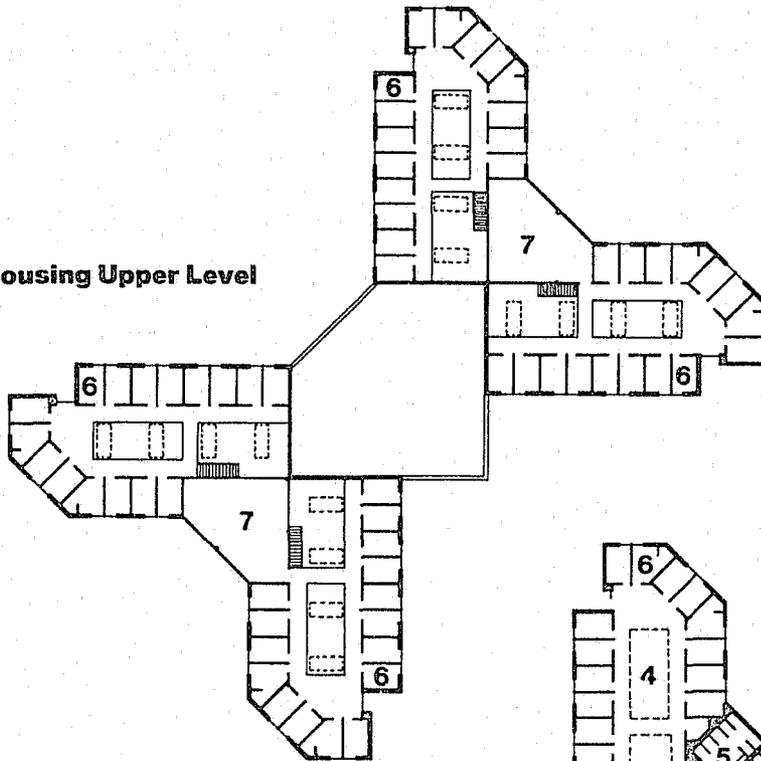
**Contact:** Colonel Gerard Frey, Superintendent, Missouri Eastern Correctional Center, Pacific, MO 63069, 314-257-3322

**Architect:** Hellmuth, Obata & Kassabaum, Inc., 100 North Broadway, St. Louis, MO 63102, 314-421-2000

**Construction manager:** McBro Planning & Development, 1341 North Rock Hill Road, St. Louis, MO 63126, 314-968-0825

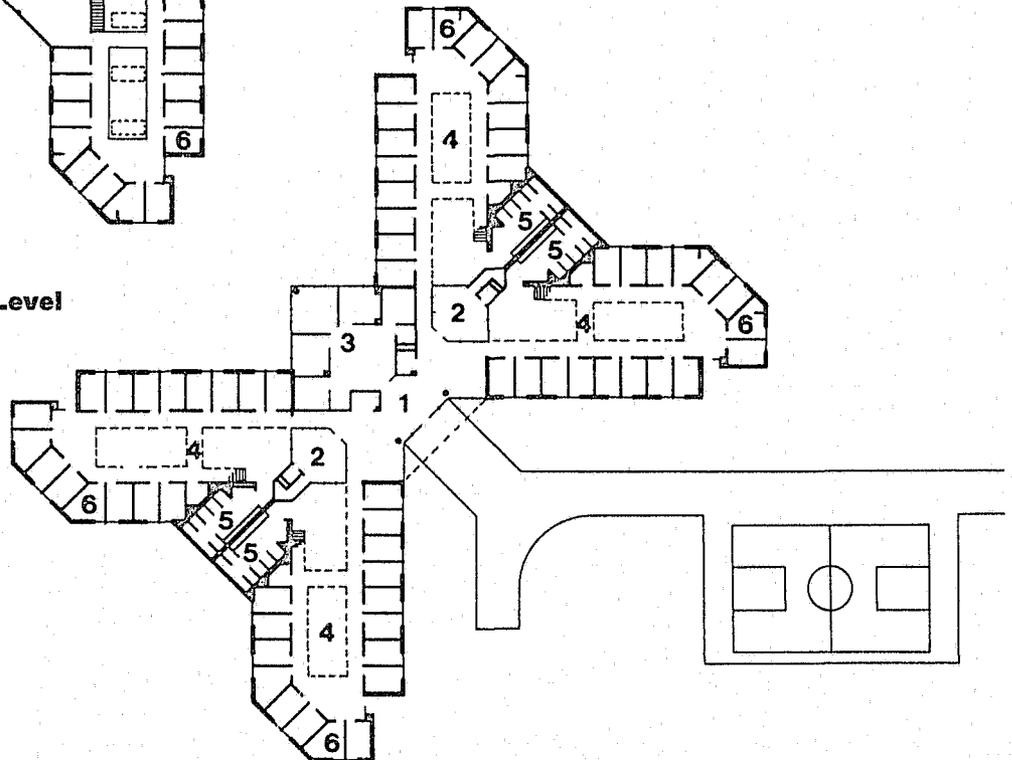
<p><b>Groundbreaking:</b> December 1978  <b>Finish date:</b> August 1981  <b>Construction time:</b> 32 months</p>	<p><b>Design capacity:</b> 560  <b>Total cost:</b> \$20,509,000  <b>Total annual operating costs:</b>          \$7,571,666</p>	<p><b>Category:</b> New, independent facility  <b>Facility type:</b> State prison  <b>Building configuration:</b> Campus style</p>
<p><b>Costs</b></p> <p>Total: \$20,509,000          Building only: Unknown          Housing area: Unknown          Housing per inmate: Unknown          Housing per cell: Unknown          Total per inmate: \$36,623          Total per GSF: \$79.70          Total annual operating costs: \$7,571,666</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 257,330          Gross square feet/other: 0          Gross square feet/total: 257,330          Housing area square feet: 106,000          Gross square feet per inmate: 460          Size of cells: 75 square feet (single)          Net/gross square feet: Unknown</p> <p><b>Construction type</b></p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod          Cells per unit: 32          Inmates per unit: 32          Management type: Remote surveillance          October 1985 population: 1,028          Facility commitment: State prisoners          Means to handle crowding: Double bunking all available space; mattresses on floor</p>
<p><b>Security</b></p> <p>Perimeter: Double fence; razor wire on fence; towers          Inmate security level:          Maximum: 0          Medium: 100%          Minimum: 0</p>	<p>Structural: CIP concrete frame (housing); steel frame (ancillary buildings)          Exterior walls: Brick; metal panels          Interior walls: CMU block          Exterior surface/facade: Brick; painted metal panels</p> <p><b>Inmate design capacity</b></p>	<p><b>Construction process</b></p> <p>Finance method: State funds          Contract method: Construction management fast track          Use of inmate labor: None          Use of prefabrication: None</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel          Doors/type: Swinging          Doors/locking: Remote locking only          Floor surface: Sealed concrete          Intercom: One-way to cells and common areas          HVAC: Heating/air circulation only          Plumbing: Stainless steel; china          Furniture: Steel          Fire protection: Smoke detectors for cells</p>	<p>Single occupancy: 512          Double occupancy: 0          Dorms: 0          Other: 0          Special housing: 48          General population: 512          Total: 560</p> <p><b>Current staff</b></p> <p>Full-time equivalent:          Administration: 17          Security: 143          Programs/treatment: 34          Maintenance: 26          Total: 220          Current inmate/staff ratio: 4.67:1</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs:          Positive: Campus plan and repetitive, prototypical housing units          Negative: Difficult site conditions (had to provide own water system)</p> <p>Factors affecting time schedule:          Positive: Phased construction, fast track construction management          Negative: None</p>

**Typical Housing Upper Level**



**Typical Housing Lower Level**

- 1 Entrance
- 2 Control
- 3 Unit Management
- 4 Dayroom
- 5 Toilets/Showers
- 6 Cells
- 7 Mechanical



# Gallatin County Detention Center

Responsible official: Sheriff John L. Onstad

Montana

Gallatin County, Bozeman

**Contact:** Undersheriff Dave Dunn, Gallatin County Detention Center, 615 South 16th Street, Bozeman, MT 59715, 406-586-4971

**Architect:** BGS Architects, P.O. Box 1374, Bozeman, MT 59715, 406-586-5925

**Construction manager:** None

<p><b>Groundbreaking:</b> September 1980  <b>Finish date:</b> January 1982  <b>Construction time:</b> 16 months</p>	<p><b>Design capacity:</b> 43  <b>Total cost:</b> \$1,527,992  <b>Total annual operating costs:</b> \$316,200</p>	<p><b>Category:</b> New, independent facility  <b>Facility type:</b> County jail, juveniles included  <b>Building configuration:</b> Integrated structure; clusters</p>
<p><b>Costs</b></p> <p>Total: \$1,527,992          Building only: \$1,374,566          Housing area: \$752,328          Housing per inmate: \$17,496          Housing per cell: \$19,798          Total per inmate: \$35,535          Total per GSF: \$123.03          Total annual operating costs: \$316,200</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 12,420          Gross square feet/other: 0          Gross square feet/total: 12,420          Housing area square feet: 6,115          Gross square feet per inmate: 289          Size of cells: 70 square feet (single)          Net/gross square feet: 89%</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod          Cells per unit: 8          Inmates per unit: 8          Management type: Intermittent surveillance; remote surveillance          October 1985 population: 25          Facility commitment: Local jail inmates and juveniles          Means to handle crowding: None needed</p>
<p><b>Security</b></p> <p>Perimeter: Single fence          Inmate security level:            Maximum: 5%            Medium: 81%            Minimum: 14%</p>	<p><b>Construction type</b></p> <p>Structural: CMU block          Exterior walls: Precast panels; CMU block; architectural precast          Interior walls: Precast panels; CMU block          Exterior surface/facade: Natural wall, no coating or treatment; CMU block</p>	<p><b>Construction process</b></p> <p>Finance method: G.O. Bonds; special election; local funds and bonds          Contract method: Conventional          Use of inmate labor: None          Use of prefabrication: Moderate, roof structure—concrete, precast</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel          Doors/type: Swinging          Doors/locking: Remote locking only          Floor surface: Sealed concrete          Intercom: Two-way to cells and common areas          HVAC: Heating/air circulation; gas HV units in each cluster          Plumbing: Stainless combination unit          Furniture: Steel          Fire protection: Smoke detectors for common areas and each cluster; manual alarm stations</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 35          Double occupancy: 2          Dorms: 6          Other: 0          Special housing: 0          General population: 43          Total: 43</p> <p><b>Current staff</b></p> <p>Full-time equivalent:            Administration: 1            Security: 13            Programs/treatment: On call            Maintenance: 1            Total: 15          Current inmate/staff ratio: 1.67:1</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs:          Positive: Simple construction methods, repetitiveness of design; good competition, favorable market          Negative: Complex electronic, mechanical, and electrical systems</p> <p>Factors affecting time schedule:          Positive: Simple construction methods, repetitiveness of design; coordination of design, construction/owner          Negative: Slow responses and delivery from vendors, suppliers; complex electronic, mechanical, and electrical systems</p>



# Lewis and Clark County Criminal Justice Facility

Montana

Responsible official: Sheriff Charles M. O'Reilly

Lewis and Clark County, Helena

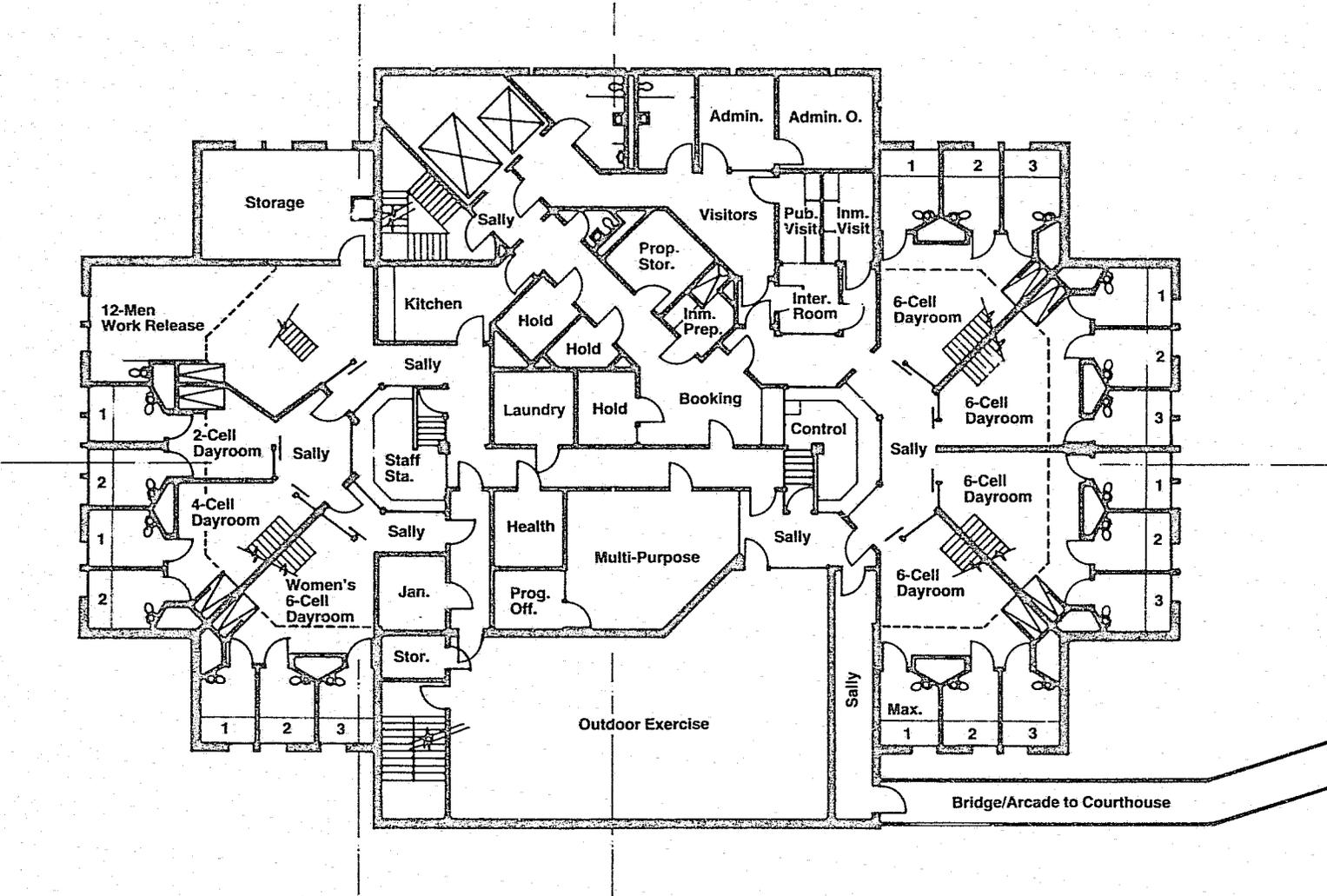
**Contact:** Undersheriff Ed Schild, Lewis and Clark County Criminal Justice Facility, 15 North Ewing, Helena, MT 59601, 406-443-1010

**Architect:** Davidson/Kuhr Architects PC, Post Office Box 3064, Great Falls, MT 59403, 406-761-2277

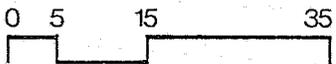
**Associate architect:** The NBBJ Group, 111 South Jackson Street, Seattle, WA 98104, 206-223-5555

**Construction manager:** None

<p><b>Groundbreaking:</b> June 1983  <b>Finish date:</b> October 1985  <b>Construction time:</b> 28 months</p>	<p><b>Design capacity:</b> 48  <b>Total cost:</b> \$3,310,700  <b>Total annual operating costs:</b> \$258,229</p>	<p><b>Category:</b> New, independent facility  <b>Facility type:</b> Complex: county jail, law enforcement  <b>Building configuration:</b> Integrated structure</p>
<p><b>Costs</b></p> <p>Total: \$3,310,700          Building only: \$3,130,200          Housing area: Unknown          Housing per inmate: Unknown          Housing per cell: Unknown          Total per inmate: N/A (complex)          Total per GSF: \$77.40          Total annual operating costs: \$258,229</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 22,275          Gross square feet/other: 20,495          Gross square feet/total: 42,770          Housing area square feet: 15,640          Gross square feet per inmate: 464          Size of cells: 72 square feet (single)          Net/gross square feet: 83%</p> <p><b>Construction type</b></p> <p>Structural: Cast-in-place concrete frame          Exterior walls: 4" brick/3" rigid insul./6" RCMU          Interior walls: Precast panels; CIP concrete; CMU block; 5/8" GBDW over metal studs          Exterior surface/facade: Brick</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod          Cells per unit: 6          Inmates per unit: 6          Management type: Remote surveillance          October 1985 population: 34          Facility commitment: Local jail inmates; State prisoners          Means to handle crowding: N/A</p>
<p><b>Security</b></p> <p>Perimeter: Building exterior only          Inmate security level:              Maximum: 17%              Medium: 58%              Minimum: 25%</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 36          Double occupancy: 2          Dorms: 10          Other: 0          Special housing: 0          General population: 48          Total: 48</p> <p><b>Current staff</b></p> <p>Full-time equivalent:              Administration: 1              Security: 10              Programs/treatment: 0              Maintenance: 1              Total: 12          Current inmate/staff ratio: 2.83:1</p>	<p><b>Construction process</b></p> <p>Finance method: G.O. Bonds; local funds          Contract method: Conventional          Use of inmate labor: None          Use of prefabrication: Limited; selected floor slabs; core slabs; steel roof framing</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel          Doors/type: Swinging          Doors/locking: Motor driven and remote locking; remote locking          Floor surface: Epoxy coating          Intercom: Two-way to cells and common areas          HVAC: Air conditioning; exhaust air heat reclaim; hot water boiler, heat pumps          Plumbing: Stainless combination unit (penal type)          Furniture: Steel          Fire protection: Smoke detectors and sprinklers for cells and common areas</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs:          Positive: Repetitiveness of design; good competition, favorable market; good soil conditions          Negative: Slow construction; restricted site size; complex electronic, mechanical, and electrical systems; jail on top floor; complex building shape</p> <p>Factors affecting time schedule:          Positive: Simple construction methods, single construction contract; use of prefab. components          Negative: Slow responses and delivery from vendors; labor problems; weather problems; complex electronic, mechanical, and electrical systems; jail on top floor; restricted site size</p>	



Detention Level One



# Douglas County Correctional Center

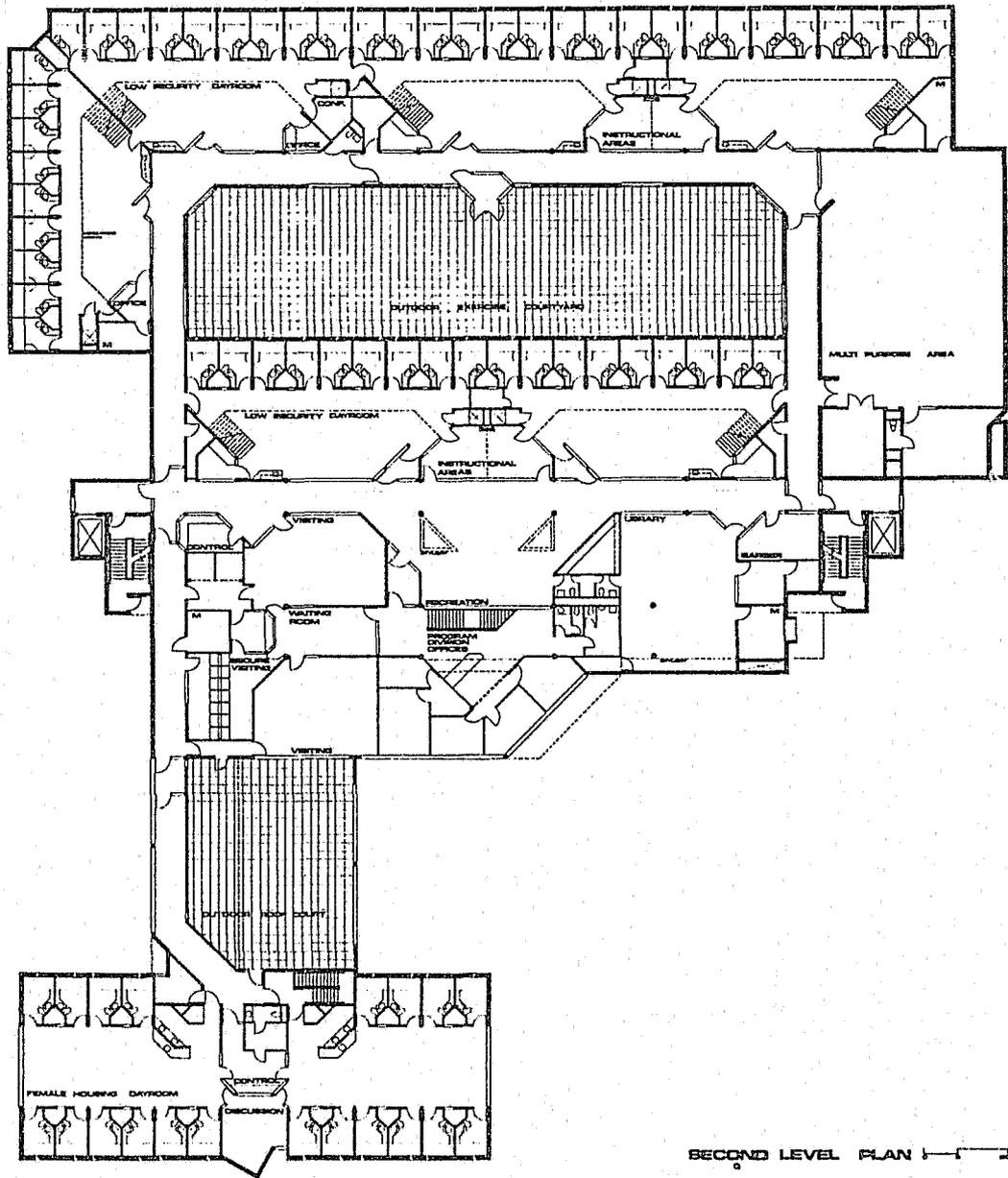
Responsible official: Joseph Vitek, Director

Nebraska

Douglas County, Omaha

**Contact:** Joseph Vitek, Director, Douglas County Correctional Center, 710 South 17 Street, Omaha, NE 68102, 402-444-7400  
**Architect:** Dana Larson Roubal/Lescher & Mahoney, Inc., 1130 East Missouri, Suite 850, Phoenix, AZ 85014, 602-264-6803  
**Construction manager:** None

<p><b>Groundbreaking:</b> January 1977 <b>Finish date:</b> July 1979 <b>Construction time:</b> 31 months</p>	<p><b>Design capacity:</b> 204 <b>Total cost:</b> \$4,636,423 <b>Total annual operating costs:</b> \$4,000,000</p>	<p><b>Category:</b> New, independent facility <b>Facility type:</b> County jail <b>Building configuration:</b> Integrated structure</p>
<p><b>Costs</b></p> <p>Total: \$4,636,423 Building only: \$4,200,000 Housing area: Unknown Housing per inmate: Unknown Housing per cell: Unknown Total per inmate: \$22,728 Total per GSF: \$54.55 Total annual operating costs: \$4,000,000</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 84,995 Gross square feet/other: 0 Gross square feet/total: 84,995 Housing area square feet: 60,000 Gross square feet per inmate: 417 Size of cells: 70 square feet (single) Net/gross square feet: Unknown</p> <p><b>Construction type</b></p> <p>Structural: Poured-in-place concrete; load bearing masonry Exterior walls: Cast-in-place concrete; brick Interior walls: Cast-in-place concrete; brick Exterior surface/facade: Textured concrete</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod Cells per unit: 16 to 20 Inmates per unit: 16 to 20 Management type: Direct supervision October 1985 population: 300 Facility commitment: Local jail inmates; felony pretrial detainees Means to handle crowding: None</p>
<p><b>Security</b></p> <p>Perimeter: Building exterior only Inmate security level: Maximum: 0 Medium: 100% Minimum: 0</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 202 Double occupancy: 0 Dorms: 0 Other: 0 Special housing: 2 General population: 202 Total: 204</p> <p><b>Current staff</b></p> <p>Full-time equivalent: Administration: 15 Security: 100 Programs/treatment: 15 Maintenance: 30 Total: 160 Current inmate/staff ratio: 1.87:1</p>	<p><b>Construction process</b></p> <p>Finance method: Local funds; Federal funds Contract method: Conventional Use of inmate labor: None Use of prefabrication: Limited; precast concrete tees for roof</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Wooden; steel Doors/type: Swinging Doors/locking: Remote locking; manual locking Floor surface: Carpet; vinyl composition tile Intercom: Dayrooms and control rooms HVAC: Heating/air circulation only; solar heating Plumbing: China Furniture: Wood; vinyl/plastic Fire protection: Smoke detectors for cells, corridors, and dayrooms</p>		<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs: Positive: None Negative: Hardware costs (security); lack of program definition</p> <p>Factors affecting time schedule: Positive: Good client Negative: Court mandate to complete</p>



# Clark County Detention Facility

Responsible official: Sheriff John T. Moran

Nevada

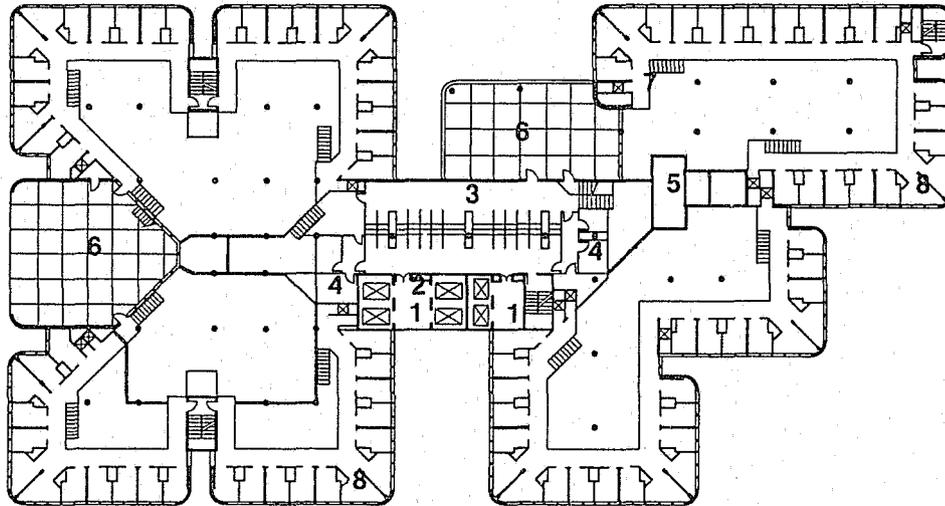
Clark County, Las Vegas

**Contact:** Gordon Yach, Director, Clark County Detention Facility, 400 Stewart, Las Vegas, NV 89101, 702-383-7650

**Architect:** Hellmuth, Obata & Kassabaum, Inc., One Lombard Street, San Francisco, CA 94111, 415-627-1600

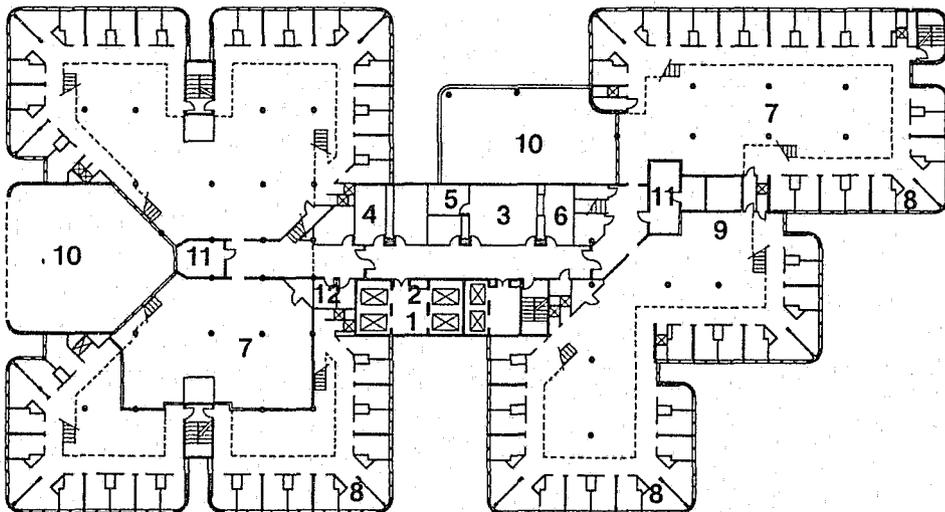
**Construction manager:** None

<p><b>Groundbreaking:</b> June 1981  <b>Finish date:</b> June 1984  <b>Construction time:</b> 36 months</p>	<p><b>Design capacity:</b> 850  <b>Total cost:</b> \$43,500,000  <b>Total annual operating costs:</b>          \$17,586,658</p>	<p><b>Category:</b> New, independent facility  <b>Facility type:</b> County jail  <b>Building configuration:</b> Integrated structure; high rise; clusters</p>
<p><b>Costs</b></p> <p>Total: \$43,500,000          Building only: \$43,000,000          Housing area: \$28,140,000          Housing per inmate: \$35,175          Housing per cell: \$35,175          Total per inmate: \$51,176          Total per GSF: \$124.29          Total annual operating costs: \$17,586,658</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 350,000          Gross square feet/other: 0          Gross square feet/total: 350,000          Housing area square feet: 234,500          Gross square feet per inmate: 412          Size of cells: 71 square feet (single)          Net/gross square feet: 70%</p> <p><b>Construction type</b></p> <p>Structural: Cast-in-place concrete frame          Exterior walls: Prefab. panels using tile surface, metal frame, batt insulation, plaster          Interior walls: Cast-in-place concrete; CMU block          Exterior surface/facade: Tile</p>	<p><b>Inmate housing areas</b></p> <p>Design: Modular          Cells per unit: 48-49          Inmates per unit: 48-49          Management type: Direct supervision; remote surveillance          October 1985 population: 915          Facility commitment: Local jail inmates; State prisoners          Means to handle crowding: Bunk beds in dayrooms of intake</p>
<p><b>Security</b></p> <p>Perimeter: Building exterior only          Inmate security level:              Maximum: 12%              Medium: 63%              Minimum: 25%</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 800          Double occupancy: 0          Dorms: 0          Other: 0          Special housing: 50          General population: 800          Total: 850</p> <p><b>Current staff</b></p> <p>Full-time equivalent:              Administration: 154              Security: 289              Programs/treatment: 28              Maintenance: 34              Total: 505          Current inmate/staff ratio: 1.81:1</p>	<p><b>Construction process</b></p> <p>Finance method: Local funds          Contract method: Construction management fast track          Use of inmate labor: None          Use of prefabrication: Limited; exterior wall</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Wooden          Doors/type: Swinging          Doors/locking: Remote locking only          Floor surface: Carpet; epoxy coating; sealed concrete; vinyl tile          Intercom: Two-way to cells; one-way to common areas          HVAC: Air conditioning          Plumbing: Stainless          Furniture: Wood; vinyl/plastic          Fire protection: Smoke detectors for cells and common areas; sprinklers for common areas</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs:          Positive: Good competition, favorable market; direct supervision; extensive value engineering          Negative: Complex electronic, mechanical, and electrical systems; use of four bid packages</p> <p>Factors affecting time schedule:          Positive: Phased construction, fast track construction management; tight contract with general contractor that specified schedule          Negative: Use of four bid packages</p>	



**Mezzanine Level**

- |                   |                    |                |
|-------------------|--------------------|----------------|
| 1 Sally Port      | 4 Meeting Room     | 7 Showers      |
| 2 Secure Elevator | 5 Control Below    | 8 Typical Cell |
| 3 Visiting        | 6 Outdoor Exercise |                |



**Main Level**

- |                   |                |                           |
|-------------------|----------------|---------------------------|
| 1 Sally Port      | 5 Storage      | 9 Food Service            |
| 2 Secure Elevator | 6 Commissary   | 10 Outdoor Exercise Above |
| 3 Multi-purpose   | 7 Dayroom      | 11 Control                |
| 4 Sick Call       | 8 Typical Cell | 12 Counseling             |

# Warren County Correctional Center

Responsible official: Warden Robert Sharr

New Jersey

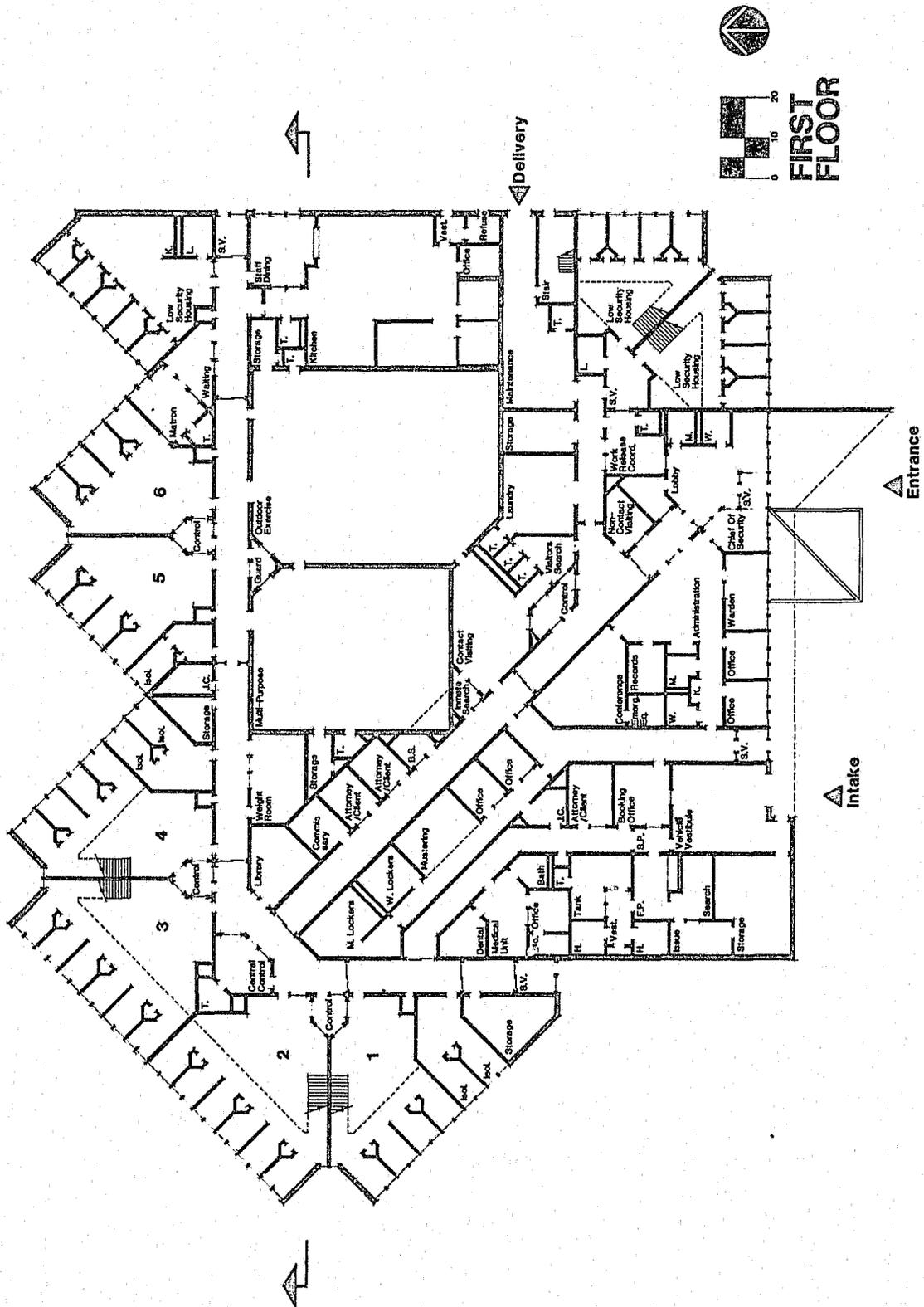
Warren County, Belvidere

**Contact:** Warden Robert Sharr, Warren County Correctional Center, Belvidere, NJ 07823, 201-475-2320

**Architect:** L. Robert Kimball & Associates, 615 West Highland Avenue, Ebensburg, PA 15931, 814-472-7700

**Construction manager:** None

<b>Groundbreaking:</b> April 1984 <b>Finish date:</b> February 1986 <b>Construction time:</b> 22 months	<b>Design capacity:</b> 76 <b>Total cost:</b> \$5,408,522 <b>Total annual operating costs:</b> \$1,578,000	<b>Category:</b> New, independent facility <b>Facility type:</b> County jail <b>Building configuration:</b> Integrated structure
<b>Costs</b>  Total: \$5,408,522 Building only: \$5,172,289 Housing area: Unknown Housing per inmate: Unknown Housing per cell: Unknown Total per inmate: \$71,165 Total per GSF: \$109.48 Total annual operating costs: \$1,578,000	<b>Dimensions</b>  Gross square feet/corrections: 49,400 Gross square feet/other: 0 Gross square feet/total: 49,400 Housing area square feet: 15,300 Gross square feet per inmate: 650 Size of cells: 60 to 80 square feet (single) Net/gross square feet: N/A	<b>Inmate housing areas</b>  Design: Module/pod Cells per unit: 4 to 12 Inmates per unit: 4 to 12 Management type: Remote surveillance October 1985 population: 56 Facility commitment: Local jail inmates Means to handle crowding: Mattresses on floor
<b>Security</b>  Perimeter: Building exterior only Inmate security level: Maximum: 20% Medium: 60% Minimum: 20%	<b>Construction type</b>  Structural: Steel frame Exterior walls: Brick Interior walls: CMU block Exterior surface/facade: Brick	<b>Construction process</b>  Finance method: G.O. Bonds Contract method: Conventional Use of inmate labor: None Use of prefabrication: None
<b>Inmate cells</b>  Doors/material: Steel Doors/type: Sliding Doors/locking: Motor driven and remote locking Floor surface: Sealed concrete Intercom: Two-way to cells and common areas HVAC: Air conditioning; steam heating plant Plumbing: Stainless Furniture: Steel Fire protection: Smoke detectors and sprinklers for cells and common areas; manual alarm stations; smoke ejectors	<b>Inmate design capacity</b>  Single occupancy: 69 Double occupancy: 0 Dorms: 0 Other: 0 Special housing: 7 General population: 69 Total: 76	<b>Architect's reported analyses</b>  Factors affecting construction costs: Positive: Simple construction methods, repetitiveness of design; competitive bidding climate Negative: High labor costs; only one prison equipment bidder
	<b>Current staff</b>  Full-time equivalent: Administration: 4 Security: 55 Programs/treatment: 1 Maintenance: 4 Total: 64 Current inmate/staff ratio: .87:1	<b>Factors affecting time schedule:</b> Positive: Simple construction methods, repetitiveness of design; coordination of design, construction/owner Negative: Labor, weather, and contractor problems



# Bernalillo County Detention Center (South Tower)

Responsible official: Director Michael F. Hanrahan

New Mexico

Bernalillo County, Albuquerque

**Contact:** Michael F. Hanrahan, Director, Bernalillo County Detention Center, 415 Roma Street, Albuquerque, NM 87102, 505-842-8008

**Architect:** Hellmuth, Obata & Kassabaum, Inc., One Lombard Street, San Francisco, CA 94111, 415-627-1600

**Construction manager:** None

<p><b>Groundbreaking:</b> July 1977 <b>Finish date:</b> November 1979 <b>Construction time:</b> 28 months</p>	<p><b>Design capacity:</b> 300 <b>Total cost:</b> \$7,000,000 <b>Total annual operating costs:</b> N/A (addition added later)</p>	<p><b>Category:</b> New, independent facility <b>Facility type:</b> County jail <b>Building configuration:</b> Integrated structure; high rise; clusters</p>
<p><b>Costs</b></p> <p>Total: \$7,000,000 Building only: \$6,800,000 Housing area: \$4,690,000 Housing per inmate: \$16,285 Housing per cell: \$16,285 Total per inmate: \$23,333 Total per GSF: \$65.42 Total annual operating costs: N/A (addition added later)</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 107,000 Gross square feet/other: 0 Gross square feet/total: 107,000 Housing area square feet: 71,690 Gross square feet per inmate: 357 Size of cells: 71 square feet (single) Net/gross square feet: 65%</p> <p><b>Construction type</b></p> <p>Structural: Steel frame Exterior walls: Precast panels Interior walls: Cast-in-place concrete Exterior surface/facade: Metal with fiberglass insulation</p> <p><b>Inmate design capacity</b></p> <p>Single occupancy: 288 Double occupancy: 0 Dorms: 0 Other: 0 Special housing: 12 General population: 288 Total: 300</p> <p><b>Current staff</b></p> <p>Full-time equivalent: Administration: N/A Security: N/A Programs/treatment: N/A Maintenance: N/A Total: N/A (addition added later) Current inmate/staff ratio: N/A</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod Cells per unit: 48 Inmates per unit: 48 Management type: Remote surveillance; patrols October 1985 population: 288 Facility commitment: Local jail inmates; State prisoners Means to handle crowding: Bunk beds in cell; mattresses on floor</p> <p><b>Construction process</b></p> <p>Finance method: G.O. Bonds Contract method: Conventional Use of inmate labor: None Use of prefabrication: Moderate; exterior walls</p>
<p><b>Security</b></p> <p>Perimeter: Building exterior only Inmate security level: Maximum: 100% (design) Medium: 100% (use) Minimum: 0</p>		<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs: Positive: Good bidding climate; low area/bed cost Negative: None</p> <p>Factors affecting time schedule: Positive: None Negative: Contractor problems</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel Doors/type: Swinging Doors/locking: Remote locking only Floor surface: Sealed concrete Intercom: One-way to cells and common areas HVAC: Heating/air circulation only Plumbing: Stainless Furniture: Steel Fire protection: Smoke detectors for cells and common areas</p>		

(No floorplan available at time of publication)

# Central New Mexico Correctional Facility

Responsible official: Warden Dareld Kirby

New Mexico

Los Lunas

**Contact:** Warden Dareld Kirby, Central New Mexico Correctional Facility, P.O. Drawer 1328, Los Lunas, NM 87031, 505-865-1622  
**Architect:** W.C. Kruger & Associates, Architects-Planners, Inc., P.O. Box 1084, Albuquerque, NM 87103, 505-842-8663  
**Construction manager:** None

<p><b>Groundbreaking:</b> December 1980  <b>Finish date:</b> October 1982  <b>Construction time:</b> 21 months</p>	<p><b>Design capacity:</b> 486  <b>Total cost:</b> \$18,975,756  <b>Total annual operating costs:</b> \$8,800,000</p>	<p><b>Category:</b> New, independent facility  <b>Facility type:</b> State prison  <b>Building configuration:</b> Clusters; campus style</p>
<p><b>Costs</b></p> <p>Total: \$18,975,756          Building only: Unknown          Housing area: Unknown          Housing per inmate: Unknown          Housing per cell: Unknown          Total per inmate: \$39,045          Total per GSF: \$110.80          Total annual operating costs: \$8,800,000</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 171,267          Gross square feet/other: 0          Gross square feet/total: 171,267          Housing area square feet: 70,550          Gross square feet per inmate: 352          Size of cells: 63 square feet (single)          Net/gross square feet: Unknown</p> <p><b>Construction type</b></p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod          Cells per unit: 48          Inmates per unit: 48          Management type: Remote surveillance          October 1985 population: 480          Facility commitment: State prisoners          Means to handle crowding: Bunks on floor in common areas</p>
<p><b>Security</b></p> <p>Perimeter: Double fence with razor wire; alarm/detection system; tower          Inmate security level:          Maximum: 0          Medium: 100%          Minimum: 0</p>	<p>Structural: 2-story precast concrete, exterior walls and roof          Exterior walls: Precast load bearing concrete          Interior walls: Load bearing CMU interior partitions          Exterior surface/facade: Natural wall, no coating or treatment</p> <p><b>Inmate design capacity</b></p>	<p><b>Construction process</b></p> <p>Finance method: State funds          Contract method: Conventional          Use of inmate labor: None          Use of prefabrication: Extensive; precast concrete walls and roof system</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel          Doors/type: Swinging          Doors/locking: Remote locking          Floor surface: Sealed concrete          Intercom: Two-way control to common areas; pager to common areas          HVAC: Heating/air circulation only          Plumbing: Stainless steel          Furniture: Wood; concrete          Fire protection: Smoke detectors and sprinklers for cells and common areas</p>	<p>Single occupancy: 486          Double occupancy: 0          Dorms: 0          Other: 0          Special housing: 0          General population: 486          Total: 486</p> <p><b>Current staff</b></p> <p>Full-time equivalent:          Administration: 22          Security: 202          Programs/treatment: 31          Maintenance: 18          Total: 273          Current inmate/staff ratio: 1.76:1</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs:          Positive: Use of prefabricated components          Negative: Complex electronic, mechanical, and electrical systems</p> <p>Factors affecting time schedule:          Positive: Use of prefabricated components          Negative: Complex electronic, mechanical, and electrical systems</p>

(No floorplan available at time of publication)

# Penitentiary of New Mexico

Responsible official: Warden George E. Sullivan

New Mexico

Santa Fe

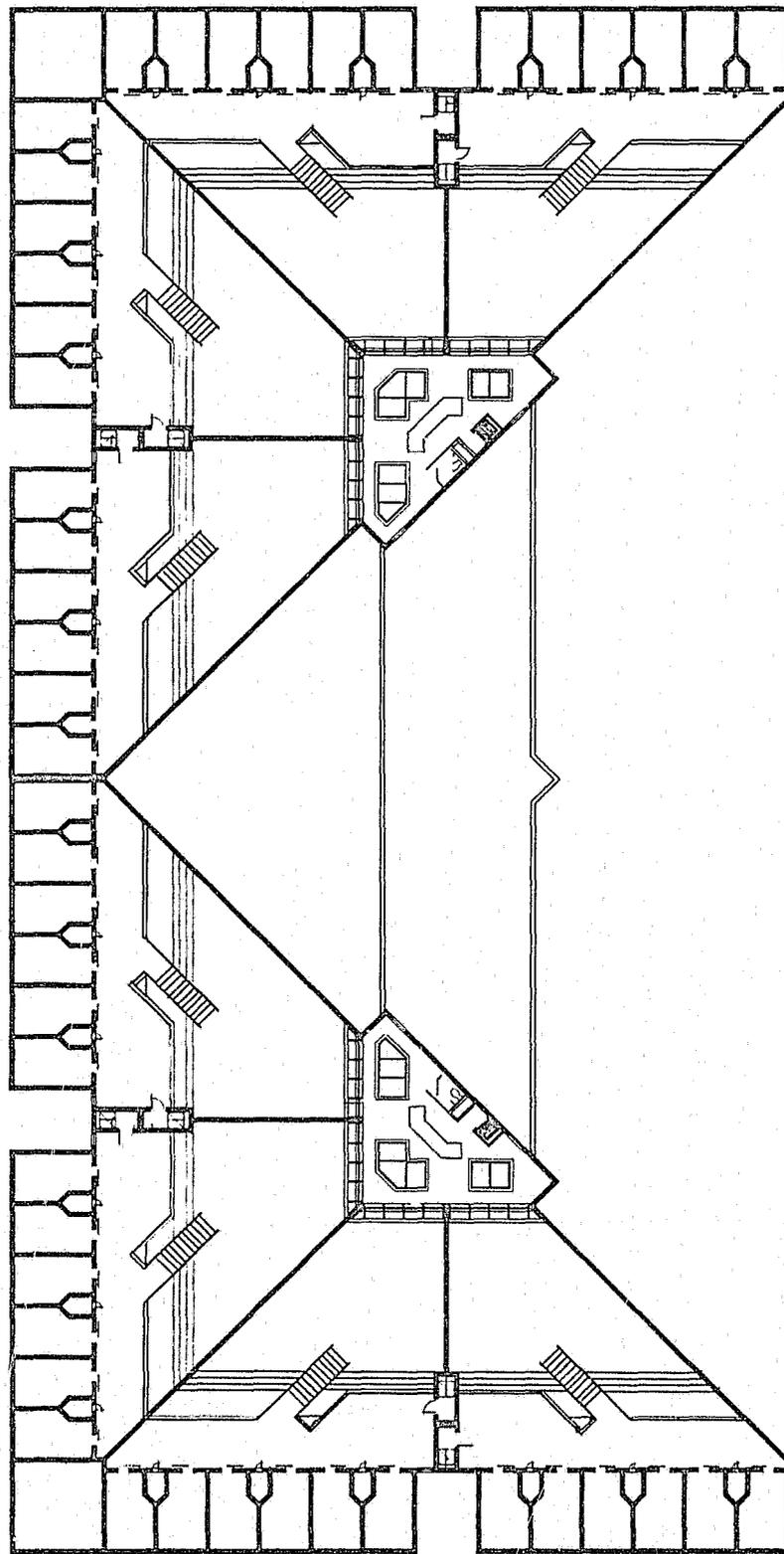
**Contact:** Efren Montoya, Admin. Assistant, Penitentiary of New Mexico, P.O. Box 1059, Santa Fe, NM 87504-1059, 505-471-7300

**Joint venture architects:** The Gruzen Partnership, 251 Post Street, San Francisco, CA 94108, 415-956-5515

Hutchinson, Brown & Partners, 215 Gold SW., Albuquerque, NM 87102, 505-842-5630

**Construction manager:** None

<p><b>Groundbreaking:</b> June 1982  <b>Finish date:</b> March 1985  <b>Construction time:</b> 33 months</p>	<p><b>Design capacity:</b> 576  <b>Total cost:</b> \$32,525,610  <b>Total annual operating costs:</b> \$3,700,000</p>	<p><b>Category:</b> New, independent facility  <b>Facility type:</b> State prison  <b>Building configuration:</b> Clusters</p>
<p><b>Costs</b></p> <p>Total: \$32,525,610          Building only: \$29,085,682          Housing area: \$27,192,158 (incl. special housing)          Housing per inmate: \$47,209          Housing per cell: \$47,209          Total per inmate: \$56,468          Total per GSF: \$114.01          Total annual operating costs: \$3,700,000</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 285,272          Gross square feet/other: 0          Gross square feet/total: 285,272          Housing area square feet: 188,820          Gross square feet per inmate: 495          Size of cells: 80 square feet (single)          Net/gross square feet: 72%</p> <p><b>Construction type</b></p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod          Cells per unit: 48          Inmates per unit: 48          Management type: Remote surveillance          October 1985 population: 161          Facility commitment: State prisoners          Means to handle crowding: N/A</p>
<p><b>Security</b></p> <p>Perimeter: Double fence; alarm/detection systems; patrols          Inmate security level:          Maximum: 50%          Medium: 50%          Minimum: 0</p>	<p>Structural: Load bearing precast panels; cast-in-place and precast concrete frame          Exterior walls: Precast panels; cast-in-place concrete          Interior walls: Precast panels; cast-in-place concrete; CMU block          Exterior surface/facade: Paint</p> <p><b>Inmate design capacity</b></p>	<p><b>Construction process</b></p> <p>Finance method: State funds          Contract method: Construction management fast track          Use of inmate labor: Limited; contractors trained inmates          Use of prefabrication: Limited; precast panels</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel          Doors/type: Swinging; sliding          Doors/locking: Motor driven and remote locking          Floor surface: Sealed concrete          Intercom: Two-way to cells and common areas          HVAC: Evaporative cooling; central heating plant—boiler unit          Plumbing: Stainless steel          Furniture: Steel; concrete          Fire protection: Smoke detectors for cells and common areas; sprinklers for common areas</p>	<p>Single occupancy: 384          Double occupancy: 0          Dorms: 0          Other: 0          Special housing: 192          General population: 384          Total: 576</p> <p><b>Current staff</b></p> <p>Full-time equivalent:          Administration: 5          Security: 97          Programs/treatment: 18          Maintenance: 3          Total: 123          Current inmate/staff ratio: 1.31:1</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs:          Positive: Simple construction methods, repetitiveness of design; good competition, favorable market; less expensive materials and hardware          Negative: Government "red tape"; complex electronic, mechanical, and electrical systems; multiple-bid contracts</p> <p>Factors affecting time schedule:          Positive: Repetitiveness of design; coordination of design, construction/owner          Negative: Slow responses from vendors; weather problems; complex electronic, mechanical, and electrical systems; multiple-bid contracts</p>



# Southern New Mexico Correctional Facility

Responsible official: Warden Eloy Mondragon

New Mexico

Las Cruces

**Contact:** Warden Eloy Mondragon, Southern New Mexico Correctional Facility, P.O. Box 639, Las Cruces, NM 88004, 505-523-3200

**Architect:** W.C. Kruger & Associates, Architects-Planners, Inc., P.O. Box 1084, Albuquerque, NM 87103, 505-842-8663

**Construction manager:** Morrison-Knudsen Company, Inc., Two Morrison Knudsen Plaza, Boise, ID 83729, 208-386-6162

<p><b>Groundbreaking:</b> December 1982  <b>Finish date:</b> July 1985  <b>Construction time:</b> 31 months</p>	<p><b>Design capacity:</b> 480  <b>Total cost:</b> \$25,289,795  <b>Total annual operating costs:</b>              \$8,862,986 (excluding medical)</p>	<p><b>Category:</b> New, independent facility  <b>Facility type:</b> State prison  <b>Building configuration:</b> Clusters; campus style</p>
<p><b>Costs</b></p> <p>Total: \$25,289,795              Building only: \$24,689,795              Housing area: Unknown              Housing per inmate: Unknown              Housing per cell: Unknown              Total per inmate: \$52,687              Total per GSF: \$109.01              Total annual operating costs: \$8,862,986 (excluding medical)</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 231,994              Gross square feet/other: 0              Gross square feet/total: 231,994              Housing area square feet: 125,000              Gross square feet per inmate: 483              Size of cells: 80 square feet (single)              Net/gross square feet: Unknown</p> <p><b>Construction type</b></p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod              Cells per unit: 48              Inmates per unit: 48              Management type: Remote surveillance; roving foot patrols              October 1985 population: 480              Facility commitment: State prisoners              Means to handle crowding: Beds in dayroom</p>
<p><b>Security</b></p> <p>Perimeter: Double fence with razor wire; alarm/detection system; tower              Inmate security level:              Maximum: 0              Medium: 100%              Minimum: 0</p>	<p>Structural: Cast-in-place concrete              Exterior walls: Precast roof and exterior walls; precast concrete panels              Interior walls: Load bearing CMU interior walls              Exterior surface/facade: Natural wall, no coating or treatment</p> <p><b>Inmate design capacity</b></p>	<p><b>Construction process</b></p> <p>Finance method: State funds              Contract method: Construction management fast track              Use of inmate labor: None              Use of prefabrication: Extensive; precast concrete walls and roof system</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel              Doors/type: Swinging              Doors/locking: Remote electronic locking with key override              Floor surface: Sealed concrete              Intercom: Two-way to common areas              HVAC: Heating/air circulation only              Plumbing: Stainless steel; china              Furniture: Wood; concrete              Fire protection: Smoke detectors and sprinklers for cells and common areas</p>	<p>Single occupancy: 480              Double occupancy: 0              Dorms: 0              Other: 0              Special housing: 0              General population: 480              Total: 480</p> <p><b>Current staff</b></p> <p>Full-time equivalent:              Administration: 16              Security: 199              Programs/treatment: 38              Maintenance: 11              Total: 264 (excludes medical, mental health, corr. indus., food service)              Current inmate/staff ratio: 1.82:1</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs:              Positive: Use of prefabricated components; simple construction methods; fast track construction; good bidding market              Negative: State requirement of hiring outside construction manager; high labor costs; government "red tape"</p> <p>Factors affecting time schedule:              Positive: Use of prefab. components; simple con. methods; fast track con.; advanced order of materials and hardware; coordination of design              Negative: 15 bid packages; slow delivery from suppliers; complex electronic, mechanical, and electrical systems</p>

(No floorplan available at time of publication)

# Western New Mexico Correctional Facility

Responsible official: Warden Tom Newton

New Mexico

Grants

**Contact:** Warden Tom Newton, Western New Mexico Correctional Facility, P.O. Box 250, Lobo Canyon Road, Grants, NM 87020, 505-257-7961

**Architect:** W.C. Kruger & Associates, Architects-Planners, Inc., First Interstate Bank Building, Suite 1100, 4th and Gold Southwest, P.O. Box 1084, Albuquerque, NM 87103, 505-842-8663

**Construction manager:** None

<p><b>Groundbreaking:</b> March 1983 <b>Finish date:</b> September 1984 <b>Construction time:</b> 18 months</p>	<p><b>Design capacity:</b> 258 <b>Total cost:</b> \$15,404,215 <b>Total annual operating costs:</b> \$5,721,400</p>	<p><b>Category:</b> New, independent facility <b>Facility type:</b> State prison <b>Building configuration:</b> Clusters; campus style</p>
<p><b>Costs</b></p> <p>Total: \$15,404,215 Building only: \$14,967,728 Housing area: Unknown Housing per inmate: Unknown Housing per cell: Unknown Total per inmate: \$59,706 Total per GSF: \$116.34 Total annual operating costs: \$5,721,400</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 132,409 Gross square feet/other: 0 Gross square feet/total: 132,409 Housing area square feet: 57,842 Gross square feet per inmate: 513 Size of cells: 63 square feet (single) Net/gross square feet: Unknown</p> <p><b>Construction type</b></p> <p>Structural: Load bearing precast panels; load bearing CMU Exterior walls: Precast panels Interior walls: CMU block Exterior surface/facade: Colored and textured concrete</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod Cells per unit: 24, 32, 48 Inmates per unit: 24, 32, 48 Management type: Remote surveillance October 1985 population: 251 Facility commitment: State prisoners Means to handle crowding: Beds in dayroom and hallways</p>
<p><b>Security</b></p> <p>Perimeter: Building exterior; double fence with razor wire; detection system; towers; patrols Inmate security level: Maximum: 30% Medium: 40% Minimum: 30%</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 232 Double occupancy: 0 Dorms: 0 Other: 11 Special housing: 15 General population: 243 Total: 258</p> <p><b>Current staff</b></p> <p>Full-time equivalent: Administration: 42 Security: 117 Programs/treatment: 22 Maintenance: 10 Total: 191 Current inmate/staff ratio: 1.31:1</p>	<p><b>Construction process</b></p> <p>Finance method: State funds Contract method: Conventional Use of inmate labor: None Use of prefabrication: Extensive; precast walls and roof system</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel Doors/type: Swinging Doors/locking: Manual and remote locking Floor surface: Sealed concrete Intercom: Two-way to cells and common areas; all call HVAC: Air conditioning; heating/air circulation; heat pumps; fan coil units; central boiler plant Plumbing: Stainless steel; china; cast iron rough plumbing Furniture: Wood; concrete Fire protection: Smoke detectors for common areas; sprinklers throughout facility</p>		<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs: Positive: Use of prefab. components; simple con. methods; fast track con.; good bidding market; good contractors and inspector Negative: High labor costs; government "red tape"; remote location</p> <p>Factors affecting time schedule: Positive: Use of prefab. components; simple con. methods; fast track con.; adv. order of materials and hardware; coordination of design; gen. contr. in charge of purchasing Negative: Some slow delivery from vendors, suppliers; government "red tape"; complex electronic, mechanical, and electrical systems</p>

(No floorplan available at time of publication)

# Youth Diagnostic and Development Center

Responsible official: Superintendent Celedonio Vigil

New Mexico

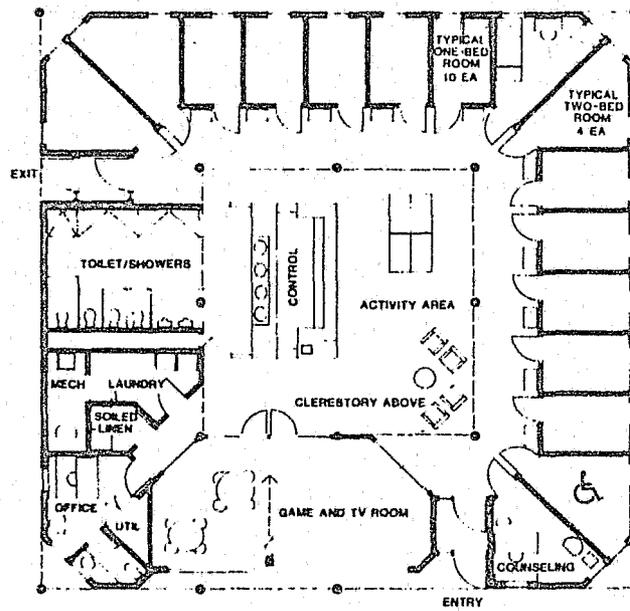
Albuquerque

**Contact:** Superintendent Celedonio Vigil, Youth Diagnostic and Development Center, P.O. Box 6038, Station B, Albuquerque, NM 87197, 505-841-2400

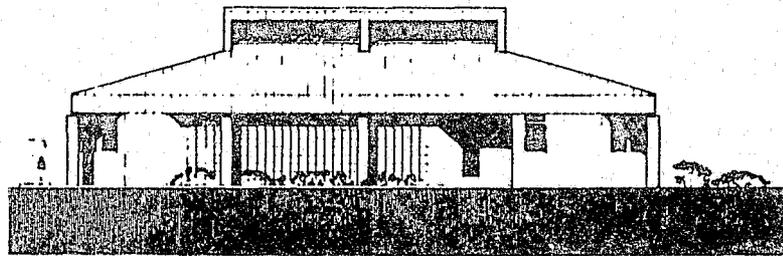
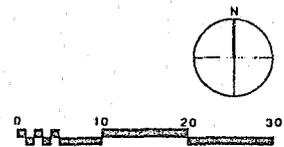
**Architect:** Fernandez, Lujan, Beltran, Inc., 8009 Marble Northeast, Albuquerque, NM 87110, 505-262-2391

**Construction manager:** None

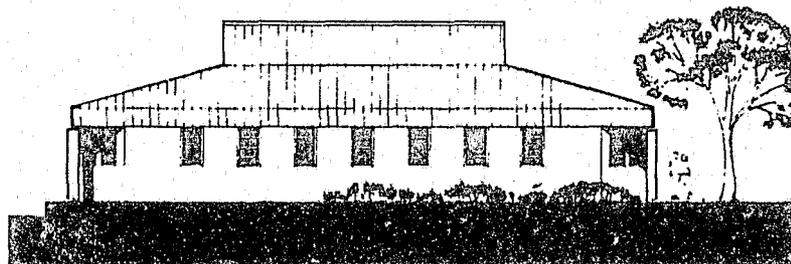
<p><b>Groundbreaking:</b> April 1982  <b>Finish date:</b> April 1983  <b>Construction time:</b> 12 months</p>	<p><b>Design capacity:</b> 100  <b>Total cost:</b> \$1,800,000  <b>Total annual operating costs:</b> \$2,728,000</p>	<p><b>Category:</b> New, independent facility  <b>Facility type:</b> State youth detention facility  <b>Building configuration:</b> Campus style</p>
<p><b>Costs</b></p> <p>Total: \$1,800,000          Building only: \$1,300,000          Housing area: Unknown          Housing per inmate: Unknown          Housing per cell: Unknown          Total per inmate: \$18,000          Total per GSF: \$75.00          Total annual operating costs: \$2,728,000</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 24,000          Gross square feet/other: 0          Gross square feet/total: 24,000          Housing area square feet: 12,000          Gross square feet per inmate: 240          Size of cells: 75 square feet (per inmate)          Net/gross square feet: 81%</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod          Cells per unit: 20          Inmates per unit: 20-25          Management type: Direct supervision          October 1985 population: 148          Facility commitment: State prisoners and local jail inmates          Means to handle crowding: Bunk beds in cell; mattresses on floor</p>
<p><b>Security</b></p> <p>Perimeter: Single fence; alarm/detection system          Inmate security level:          Maximum: 0          Medium: 0          Minimum: 100%</p>	<p><b>Construction type</b></p> <p>Structural: Steel frame; load bearing masonry walls          Exterior walls: CMU block          Interior walls: CMU block          Exterior surface/facade: Stucco</p>	<p><b>Construction process</b></p> <p>Finance method: State funds          Contract method: Conventional          Use of inmate labor: None          Use of prefabrication: None</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Wooden; steel          Doors/type: Swinging          Doors/locking: Manual locking          Floor surface: Linoleum; carpet; sealed concrete; ceramic tile          Intercom: One-way to cells; two-way to common areas          HVAC: Air conditioning; solar; gas-fired heating plant/forced air          Plumbing: Stainless          Furniture: Wood          Fire protection: Sprinklers for cells and common areas; manual alarm stations</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 0          Double occupancy: 0          Dorms: 100          Other: 0          Special housing: 0          General population: 100          Total: 100</p> <p><b>Current staff</b></p> <p>Full-time equivalent:          Administration: 22          Security: 44          Programs/treatment: 32          Maintenance: 10          Total: 108          Current inmate/staff ratio: 1.37:1</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs:          Positive: Simple construction methods, repetitiveness of design; good competition, favorable market; durability of materials          Negative: Government "red tape"; complex electronic, mechanical, and electrical systems; vandal/tamper resistance requirements          Factors affecting time schedule:          Positive: Simple construction methods, repetitiveness of design; coordination of design, construction/owner          Negative: Weather problems; government procedures, regulations, "red tape"; complex electronic, mechanical, and electrical systems (solar units)</p>



TYPICAL BOY'S DORMITORY PLAN



SOUTH



NORTH

# Erie County Correctional Facility

Responsible official: Superintendent J. Patrick Gallagher

New York

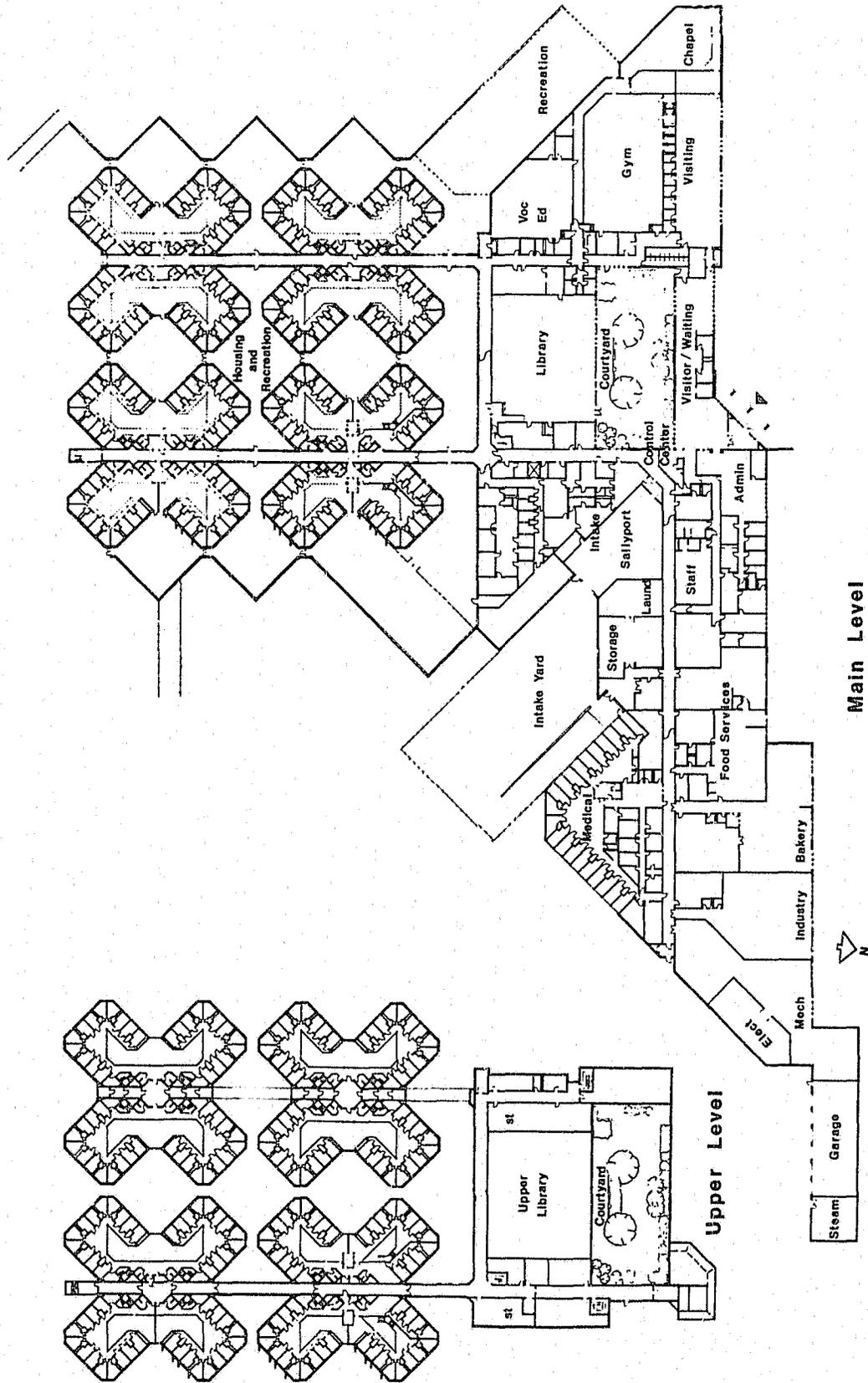
Erie County, Alden

**Contact:** Superintendent J. Patrick Gallagher, Department of Corrections, Box X, Alden, NY 14004, 716-937-9101

**Architect:** Milstein, Wittek & Associates, Architects, P.C., 300 Delaware Avenue, Buffalo, NY 14202, 716-856-8320

**Construction manager:** John W. Cowper Company, 4246 Ridge Lea Road, Amherst, NY 14226, 716-837-8410

<p><b>Groundbreaking:</b> April 1984 <b>Finish date:</b> February 1986 <b>Construction time:</b> 22 months</p>	<p><b>Design capacity:</b> 402 <b>Total cost:</b> \$23,451,711 <b>Total annual operating costs:</b> \$4,987,265</p>	<p><b>Category:</b> New, independent facility <b>Facility type:</b> County jail <b>Building configuration:</b> Integrated structure; clusters</p>
<p><b>Costs</b></p> <p>Total: \$23,451,711 Building only: \$21,919,871 Housing area: \$12,249,902 Housing per inmate: \$32,068 Housing per cell: \$32,068 Total per inmate: \$58,338 Total per GSF: \$112.60 Total annual operating costs: \$4,987,265</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 208,280 Gross square feet/other: 0 Gross square feet/total: 208,280 Housing area square feet: 97,371 Gross square feet per inmate: 518 Size of cells: 76 square feet (single) Net/gross square feet: 72%</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod Cells per unit: 12, 24, 48 Inmates per unit: 48 (half pod) Management type: Remote surveillance (max.); direct supervision (med.) May 1986 population: 467 Facility commitment: Local jail inmates Means to handle crowding: None</p>
<p><b>Security</b></p> <p>Perimeter: Building exterior; single and double fences with razor wire; alarm detection system; patrols Inmate security level: Maximum: 14.3% Medium: 85.7% Minimum: 0</p>	<p><b>Construction type</b></p> <p>Structural: Steel frame; cast-in-place concrete frame Exterior walls: CMU block; brick Interior walls: Cast-in-place concrete; CMU block Exterior surface/facade: Brick</p>	<p><b>Construction process</b></p> <p>Finance method: State funds Contract method: Construction management fast track Use of inmate labor: None Use of prefabrication: None</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel Doors/type: Swinging Doors/locking: Remote locking; manual locking Floor surface: Epoxy coating Intercom: Two-way to cells HVAC: Air conditioning; hot water heating/air circulation Plumbing: Stainless combination unit; china Furniture: Steel Fire protection: Smoke detectors and sprinklers for cells and common areas; manual alarm stations</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 382 Double occupancy: 0 Dorms: 0 Other: 0 Special housing: 20 General population: 382 Total: 402</p> <p><b>Current staff</b></p> <p>Full-time equivalent: Administration: 25 Security: 134 Programs/treatment: 19 Maintenance: 5 Total: 183 Current inmate/staff ratio: 2.55:1</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs: Positive: Simple construction methods; phased construction, fast track construction management; less expensive materials and hardware Negative: Weather problems</p> <p>Factors affecting time schedule: Positive: Simple construction methods; phased construction, fast track construction management; coordination of design, construction/owner Negative: Weather problems</p>



# Federal Correctional Institution

Responsible official: Warden Jesse R. James

New York

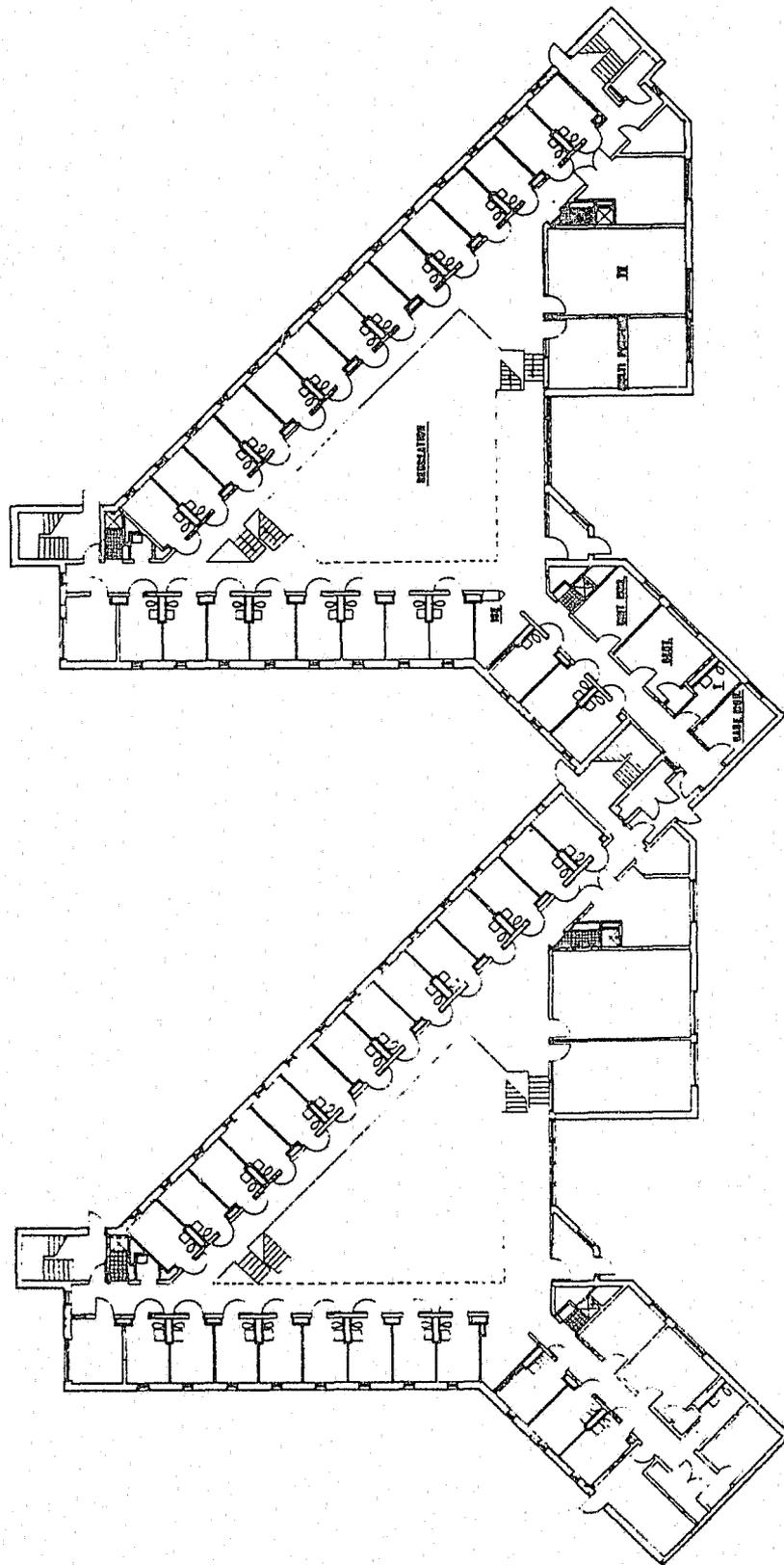
Otisville

**Contact:** Warden Jesse R. James, Federal Correctional Institution, Otisville, NY 10963, 914-386-5855

**Architect:** Davis Brody and Associates, 100 East 42nd Street, New York, NY 10017, 212-599-7272

**Construction manager:** Lasker Goldman Corporation, 470 Park Avenue South, New York, NY 10016, 212-481-3409

<p><b>Groundbreaking:</b> October 1976  <b>Finish date:</b> October 1980  <b>Construction time:</b> 48 months</p>	<p><b>Design capacity:</b> 500  <b>Total cost:</b> \$16,861,964  <b>Total annual operating costs:</b>          \$7,712,800</p>	<p><b>Category:</b> New, independent facility  <b>Facility type:</b> Federal prison  <b>Building configuration:</b> Campus style</p>
<p><b>Costs</b></p> <p>Total: \$16,861,964          Building only: \$14,315,000          Housing area: Unknown          Housing per inmate: Unknown          Housing per cell: Unknown          Total per inmate: \$33,724          Total per GSF: \$63.58          Total annual operating costs: \$7,712,800</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 265,195          Gross square feet/other: 0          Gross square feet/total: 265,195          Housing area square feet: 94,104          Gross square feet per inmate: 530          Size of cells: 84 square feet (single)          Net/gross square feet: 74%</p> <p><b>Construction type</b></p> <p>Structural: Concrete columns/block          Exterior walls: Masonry walls reinforced with steel rods and concrete grout          Interior walls: CMU block          Exterior surface/facade: Natural wall, no coating or treatment</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod          Cells per unit: 65          Inmates per unit: 65          Management type: Direct supervision; TV surveillance          October 1985 population: 700          Facility commitment: Federal prisoners          Means to handle crowding: Bunk beds in cell</p>
<p><b>Security</b></p> <p>Perimeter: Double fence; razor wire on fence; alarm/detection system; patrols          Inmate security level:          Maximum: 0          Medium: 100%          Minimum: 0</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 390          Double occupancy: 0          Dorms: 0          Other: 0          Special housing: 110          General population: 390          Total: 500</p>	<p><b>Construction process</b></p> <p>Finance method: Federal funds          Contract method: Construction management fast track          Use of inmate labor: Limited; interior painting; floor tile; concrete walks; finished site work          Use of prefabrication: None</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel          Doors/type: Swinging          Doors/locking: Manual locking          Floor surface: Vinyl tile          Intercom: None          HVAC: Heating/air circulation only          Plumbing: China          Furniture: Wood          Fire protection: Smoke detectors in ducts</p>	<p><b>Current staff</b></p> <p>Full-time equivalent:          Administration: 73          Security: 51          Programs/treatment: 42          Maintenance: 25          Total: 191          Current inmate/staff ratio: 3.66:1</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs:          Positive: Unknown          Negative: Unknown</p> <p>Factors affecting time schedule:          Positive: Unknown          Negative: Unknown</p>



INMATE HOUSING UNIT FIRST FLOOR

# Federal Correctional Institution

Responsible official: Warden John T. Hadden

New York

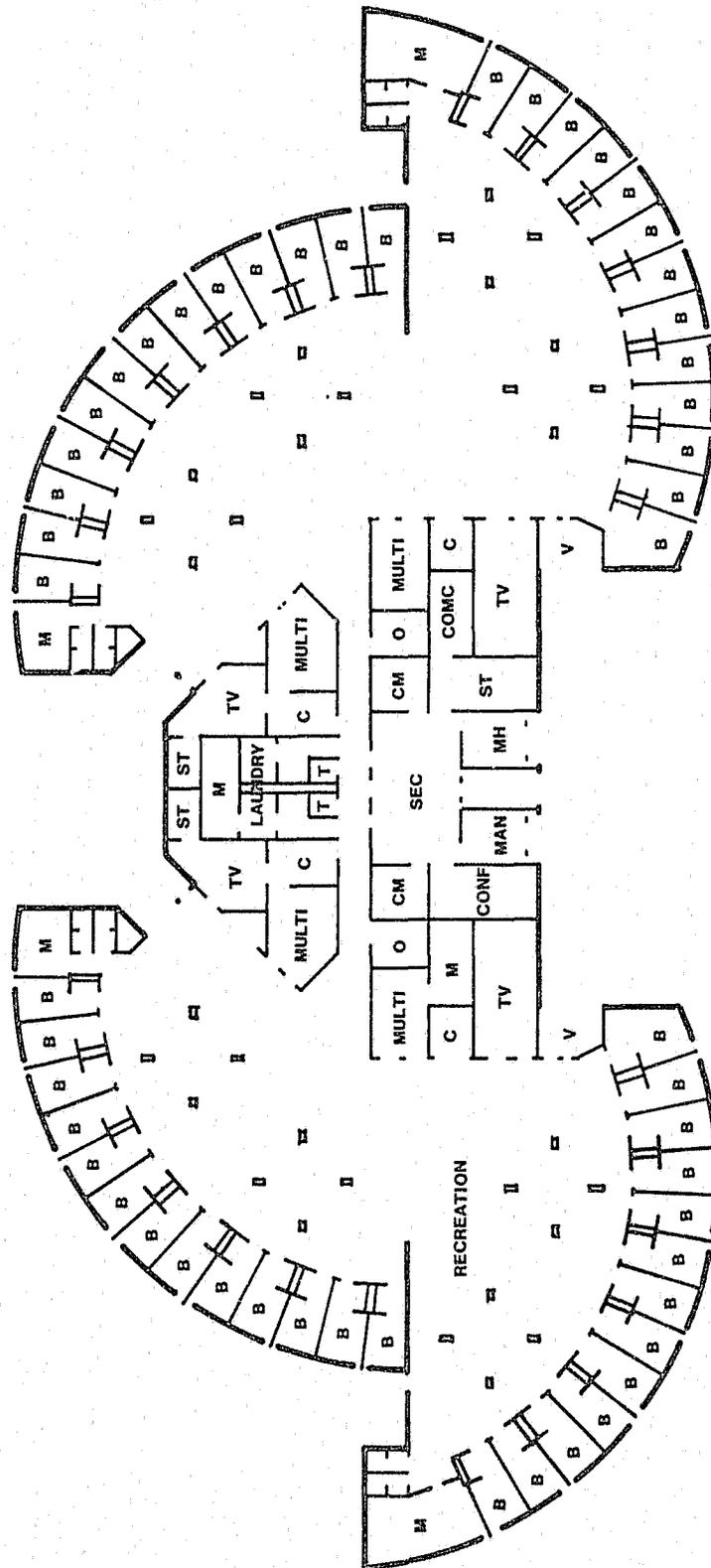
Ray Brook

**Contact:** Warden John T. Hadden, Federal Correctional Institution, Ray Brook, NY 12977-0300, 518-891-5400

**Architect:** The Robinson Green Beretta Corporation, 2 John Street, Providence, RI 02906, 401-272-1730

**Construction manager:** Gilbane Building Company, 90 Calverley Street, Providence, RI 01940, 401-456-5800

<p><b>Groundbreaking:</b> May 1977 <b>Finish date:</b> December 1980 <b>Construction time:</b> 43 months</p>	<p><b>Design capacity:</b> 534 <b>Total cost:</b> \$21,424,630 <b>Total annual operating costs:</b> \$1,528,600</p>	<p><b>Category:</b> New, independent facility <b>Facility type:</b> Federal prison <b>Building configuration:</b> Campus style</p>
<p><b>Costs</b></p> <p>Total: \$21,424,630 Building only: \$21,270,040 Housing area: Unknown Housing per inmate: Unknown Housing per cell: Unknown Total per inmate: \$40,121 Total per GSF: \$76.16 Total annual operating costs: \$1,528,600</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 281,310 Gross square feet/other: 0 Gross square feet/total: 281,310 Housing area square feet: 144,000 Gross square feet per inmate: 527 Size of cells: 91 square feet (single) Net/gross square feet: N/A</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod Cells per unit: 102 Inmates per unit: 102 Management type: Direct supervision October 1985 population: 797 Facility commitment: Federal prisoners Means to handle crowding: Bunk beds in cell</p>
<p><b>Security</b></p> <p>Perimeter: Double fence; alarm/detection systems; razor wire on fences; razor wire between fences; patrols Inmate security level: Maximum: 4.5% Medium: 95.5% Minimum: 0</p>	<p><b>Construction type</b></p> <p>Structural: Cast-in-place concrete frame Exterior walls: Brick Interior walls: CMU block Exterior surface/facade: Brick</p>	<p><b>Construction process</b></p> <p>Finance method: Federal funds Contract method: Construction management fast track; sealed bidding Use of inmate labor: None Use of prefabrication: None</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel Doors/type: Swinging Doors/locking: Manual locking Floor surface: Vinyl tile; carpet Intercom: Unknown HVAC: Heating/air circulation only Plumbing: China Furniture: Wood Fire protection: Smoke detectors for cells</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 510 Double occupancy: 0 Dorms: 0 Other: 0 Special housing: 24 General population: 510 Total: 534</p> <p><b>Current staff</b></p> <p>Full-time equivalent: Administration: 29 Security: 91 Programs/treatment: 24 Maintenance: 13 Total: 157 Current inmate/staff ratio: 5.08:1</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs: Positive: Simple construction methods, repetitiveness of design Negative: Difficult site conditions; remote location, limited labor pool</p> <p>Factors affecting time schedule: Positive: Phased construction, fast track construction management; advanced order of materials and hardware; coordination of design, construction/owner Negative: Weather problems</p>



# Kirby Forensic Psychiatric Center (Remodel)

New York

Responsible official: Commissioner Steven E. Katz, M.D.

New York

**Contact:** Stuart Linder, Director, Admin. Services, Kirby Forensic Psychiatric Center, Wards Island, New York, NY 10035, 212-427-9003

**Architect:** Rose, Beaton + Rose, 81 Main Street, White Plains, NY 10601, 914-682-4850

**Construction manager:** Facilities Development Corporation, 44 Holland Avenue, Albany, NY 12208, 518-474-2121

<b>Groundbreaking:</b> July 1982 <b>Finish date:</b> December 1984 <b>Construction time:</b> 29 months	<b>Design capacity:</b> 356 <b>Total cost:</b> \$4,328,172 <b>Total annual operating costs:</b> \$8,770,000	<b>Category:</b> Remodel, renovation of psychiatric hospital <b>Facility type:</b> State forensic treatment center <b>Building configuration:</b> High rise
<b>Costs</b>  Total: \$4,328,172 Building only: \$3,447,610 Housing area: Unknown Housing per inmate: Unknown Housing per cell: Unknown Total per inmate: N/A (remodel) Total per GSF: N/A (remodel) Total annual operating costs: \$8,770,000	<b>Dimensions</b>  Gross square feet/corrections: 252,835 Gross square feet/other: 0 Gross square feet/total: 252,835 Housing area square feet: 184,860 Gross square feet per inmate: 710 Size of cells: N/A (hospital) Net/gross square feet: 59%  <b>Construction type</b>  Structural: Fireproofed steel frame Exterior walls: Brick facing with terra cotta block backup Interior walls: Cast-in-place concrete floors; terra cotta block partitions Exterior surface/facade: Brick  <b>Inmate design capacity</b>  Single occupancy: 13 Double occupancy: 78 Dorms: 234 Other: 0 Special housing: 31 General population: 325 Total: 356  <b>Current staff</b>  Full-time equivalent: Administration: 58 Security: 160 Programs/treatment: 70 Maintenance: 40 Total: 328 Current inmate/staff ratio: .46:1	<b>Inmate housing areas</b>  Design: Dormitory style Cells per unit: N/A Inmates per unit: 25 Management type: Direct supervision October 1985 population: 150 Facility commitment: State prisoners Means to handle crowding: Additional beds in dormitory area  <b>Construction process</b>  Finance method: State funds Contract method: Conventional; six prime contractors Use of inmate labor: None Use of prefabrication: None  <b>Architect's reported analyses</b>  Factors affecting construction costs: Positive: Building had been a psychiatric hospital, well built and adaptable to design criteria Negative: Poor heating system could not be rehabilitated  Factors affecting time schedule: Positive: Structural modifications were minimal Negative: Contractor problems
<b>Security</b>  Perimeter: Double fence; sensor and razor wire on fence; microwave detection Inmate security level: Maximum: 100% Medium: 0 Minimum: 0		
<b>Inmate cells</b>  Doors/material: Steel Doors/type: Swinging Doors/locking: Manual locking Floor surface: Linoleum; existing terrazzo Intercom: None HVAC: Heating/air circulation only; steam heating plant Plumbing: China Furniture: Wood Fire protection: Smoke detectors in corridors		

(No floorplan available at time of publication)

# Masten Park Secure Center (Remodel/Expansion)

Responsible official: William Burroughs, Director

New York

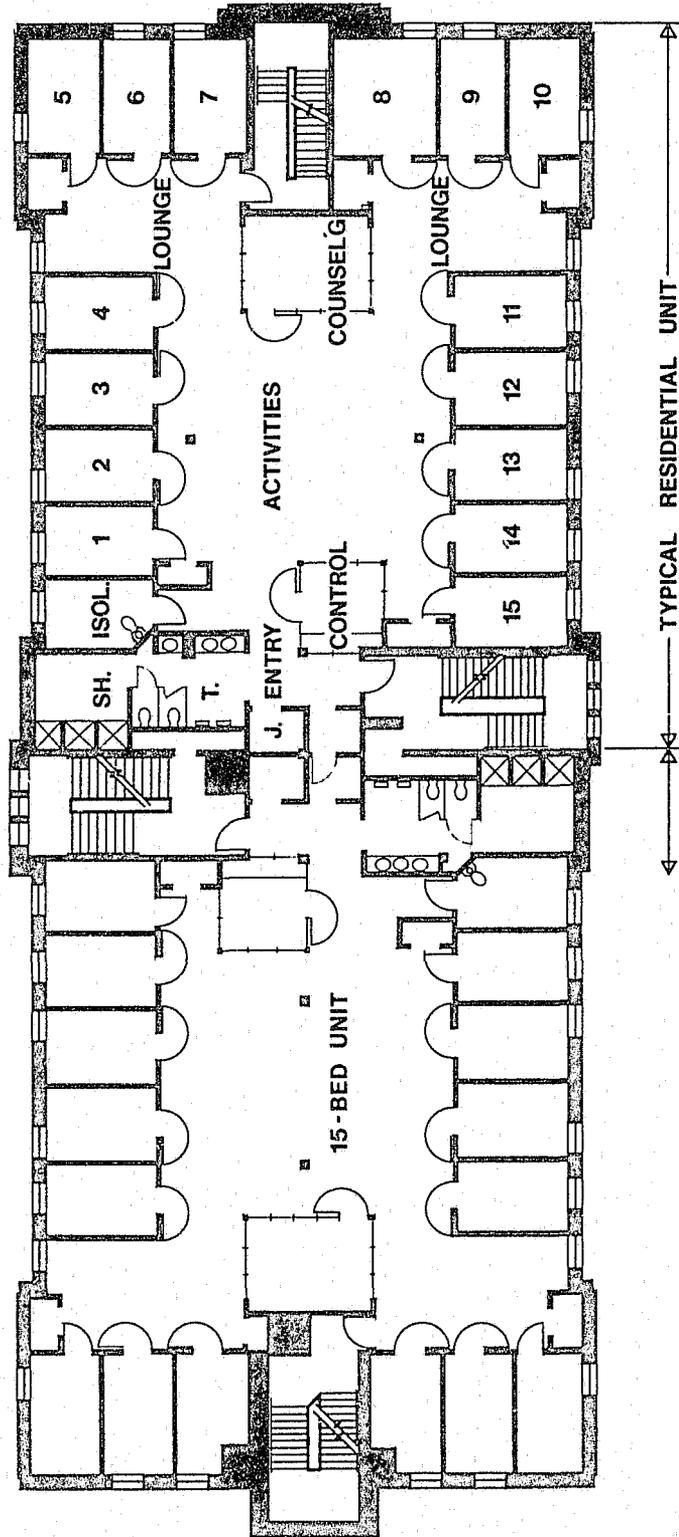
Buffalo

**Contact:** William Burroughs, Director, Masten Park Secure Center, 485 Best Street, Buffalo, NY 14208, 716-881-7577

**Architect:** Milstein, Wittek & Associates, Architects, P.C., 300 Delaware Avenue, Buffalo, NY 14202, 716-856-8320

**Construction manager:** None

<p><b>Groundbreaking:</b> September 1980 <b>Finish date:</b> June 1983 <b>Construction time:</b> 33 months</p>	<p><b>Design capacity:</b> 68 <b>Total cost:</b> \$2,630,695 <b>Total annual operating costs:</b> N/A (expansion)</p>	<p><b>Category:</b> Remodeling/renovation project; expansion <b>Facility type:</b> State secure center for youth <b>Building configuration:</b> Campus style</p>
<p><b>Costs</b></p> <p>Total: \$2,630,695 Building only: \$2,480,000 Housing area: \$929,120 Housing per inmate: \$15,485 Housing per cell: \$15,485 Total per inmate: N/A (remodel) Total per GSF: \$48.90 Total annual operating costs: N/A (expansion)</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 53,799 Gross square feet/other: 0 Gross square feet/total: 53,799 Housing area square feet: 20,156 Gross square feet per inmate: 791 Size of cells: 93 square feet (single) Net/gross square feet: 83%</p> <p><b>Construction type</b></p> <p>Structural: Steel frame; load-bearing masonry Exterior walls: Brick; stone Interior walls: CMU block; reinforced veneer plaster system Exterior surface/facade: Brick; stone</p> <p><b>Inmate design capacity</b></p> <p>Single occupancy: 60 Double occupancy: 0 Dorms: 0 Other: 0 Special housing: 8 General population: 60 Total: 68</p> <p><b>Current staff</b></p> <p>Full-time equivalent: Administration: Unknown Security: Unknown Programs/treatment: Unknown Maintenance: Unknown Total: 147 (entire facility) Current inmate/staff ratio: .68:1 (entire facility)</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod Cells per unit: 16 Inmates per unit: 16 Management type: Direct supervision October 1985 population: 100 (entire facility) Facility commitment: Sentenced State prisoners/boys, 13 to 21 years of age Means to handle crowding: None</p> <p><b>Construction process</b></p> <p>Finance method: State funds Contract method: Conventional Use of inmate labor: None Use of prefabrication: None</p>
<p><b>Security</b></p> <p>Perimeter: Single fence; razor wire on fence; video camera surveillance Inmate security level: Maximum: 100% Medium: 0 Minimum: 0</p>		<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs: Positive: Simple construction methods; good competition, favorable markets; less expensive materials and hardware Negative: Slow construction; government procedures, regulations, "red tape"; complex electronic, mechanical, and electrical systems Factors affecting time schedule: Positive: Coordination of design, construction/owner Negative: Slow responses and delivery from vendors, suppliers; government procedures, regulations, "red tape"; complex electronic, mechanical, and electrical systems</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel Doors/type: Swinging Doors/locking: Manual locking Floor surface: Vinyl tile Intercom: Two-way to common areas HVAC: Heating/air circulation only; steam heating plant Plumbing: Stainless steel Furniture: Steel; wood Fire protection: Smoke detectors for cells and common areas; manual alarm stations; standpipe system; dry sprinkler in attic</p>		



TYPICAL LAYOUT  
2ND & 3RD FLOORS



# Craven County Law Enforcement Center

Responsible official: Sheriff Pete Bland

North Carolina

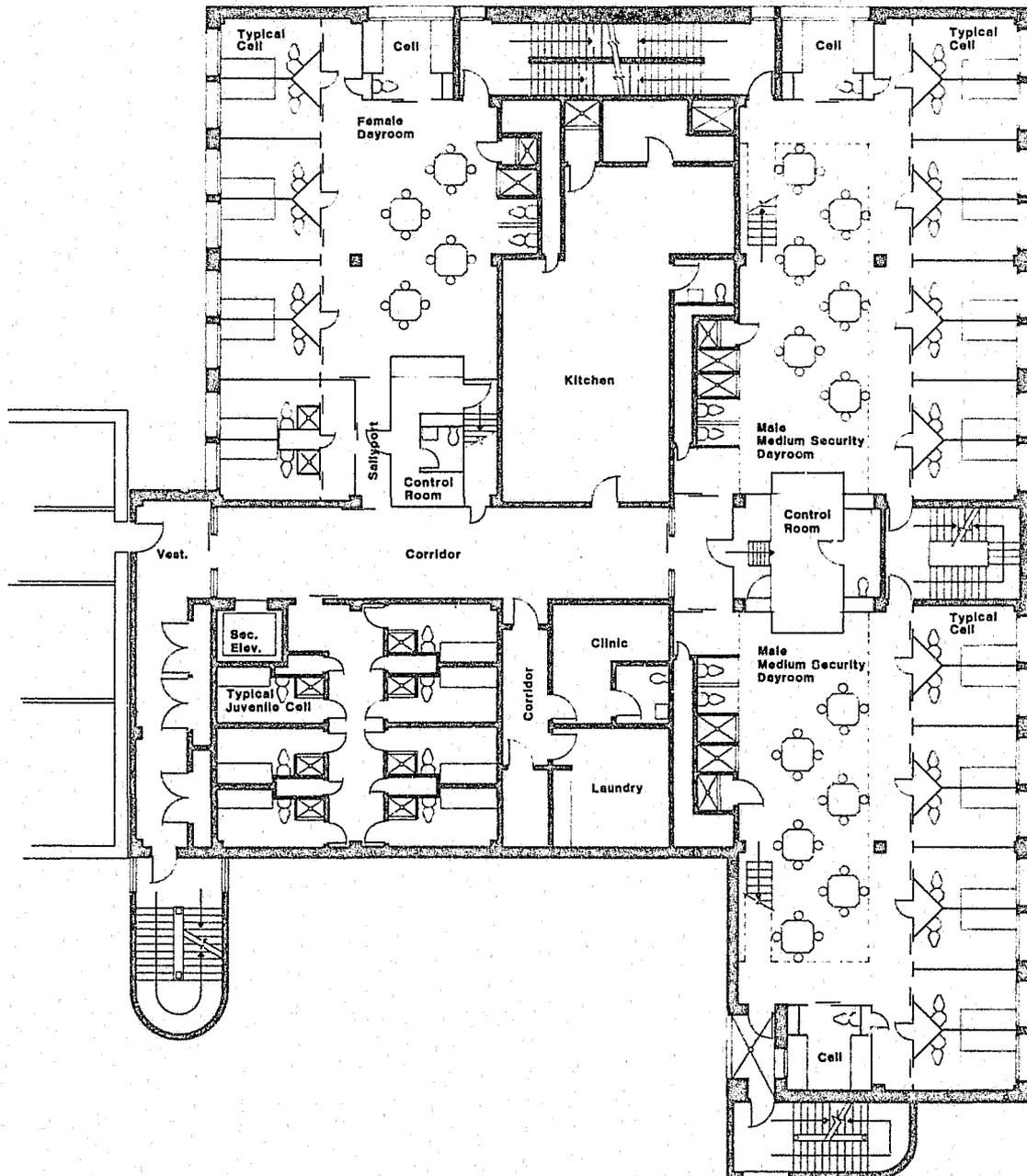
Craven County, New Bern

**Contact:** Captain Ed Weigl, Jail Administrator, Craven County Law Enforcement Center, New Bern, NC 28036, 919-633-4271

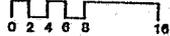
**Architect:** J.N. Pease Associates, P.O. Box 18725, Charlotte, NC 28218, 704-376-6423

**Construction manager:** None

<p><b>Groundbreaking:</b> February 1982 <b>Finish date:</b> March 1984 <b>Construction time:</b> 24 months</p>	<p><b>Design capacity:</b> 78 <b>Total cost:</b> \$3,500,000 <b>Total annual operating costs:</b> \$581,205</p>	<p><b>Category:</b> New independent facility <b>Facility type:</b> Complex: county jail, law enforcement <b>Building configuration:</b> Integrated structure</p>
<p><b>Costs</b></p> <p>Total: \$3,500,000 Building only: \$3,200,000 Housing area: \$1,600,000 Housing per inmate: \$20,513 Housing per cell: \$20,513 Total per inmate: N/A (complex) Total per GSF: \$87.50 Total annual operating costs: \$581,205</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 20,000 Gross square feet/other: 20,000 Gross square feet/total: 40,000 Housing area square feet: N/A Gross square feet per inmate: 513 Size of cells: 72 square feet (single) Net/gross square feet: 75%</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod Cells per unit: 24 Inmates per unit: 24 Management type: Remote surveillance October 1985 population: 50 Facility commitment: Local jail inmates and State prisoners Means to handle crowding: Bunk beds</p>
<p><b>Security</b></p> <p>Perimeter: Building exterior only Inmate security level: Maximum: 100% Medium: 0 Minimum: 0</p>	<p><b>Construction type</b></p> <p>Structural: Cast-in-place concrete frame Exterior walls: CMU block; brick Interior walls: CMU block (reinforced); steel plate Exterior surface/facade: Brick</p>	<p><b>Construction process</b></p> <p>Finance method: Revenue sharing Contract method: Conventional Use of inmate labor: None Use of prefabrication: None</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel Doors/type: Sliding Doors/locking: Motor driven and remote locking Floor surface: Sealed concrete Intercom: Two-way to common areas HVAC: Air conditioning; central heating plant/boiler Plumbing: Stainless combination unit Furniture: Steel Fire protection: Smoke detectors and sprinklers for cells and common areas</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 78 Double occupancy: 0 Dorms: 0 Other: 0 Special housing: 0 General population: 78 Total: 78</p> <p><b>Current staff</b></p> <p>Full-time equivalent: Administration: 2 Security: 18 Programs/treatment: 0 Maintenance: 4 Total: 24 Current inmate/staff ratio: 2.08:1</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs: Positive: Simple construction methods, repetitiveness of design; good competition, favorable market Negative: Difficult site conditions; complex electronic, mechanical, and electrical systems</p> <p>Factors affecting time schedule: Positive: Simple construction methods, repetitiveness of design; coordination of design, construction/owner Negative: Complex electronic, mechanical, and electrical systems</p>



Second Level Plan



# Eastern Correctional Center

Responsible official: Superintendent David N. Chester

North Carolina

Maury

**Contact:** Superintendent David N. Chester, Eastern Correctional Center, P.O. Box 215, Maury, NC 28554, 919-747-8101  
**Architect:** Grier-Fripp Associates, Inc., Suite 300, P.O. Box 11207, 4108 Park Road, Charlotte, NC 28220, 704-527-2514  
**Construction manager:** None

<p><b>Groundbreaking:</b> December 1980 <b>Finish date:</b> February 1983 <b>Construction time:</b> 26 months</p>	<p><b>Design capacity:</b> 488 <b>Total cost:</b> \$16,582,143 <b>Total annual operating costs:</b> \$7,155,702</p>	<p><b>Category:</b> New, independent facility <b>Facility type:</b> State prison <b>Building configuration:</b> Clusters</p>
<p><b>Costs</b></p> <p>Total: \$16,582,143 Building only: \$15,567,015 Housing area: \$11,997,088 Housing per inmate: \$24,994 Housing per cell: \$24,994 Total per inmate: \$33,980 Total per GSF: \$83.99 Total annual operating costs: \$7,155,702</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 197,441 Gross square feet/other: 0 Gross square feet/total: 197,441 Housing area square feet: 137,804 Gross square feet per inmate: 405 Size of cells: 66 square feet (single) Net/gross square feet: 90%</p> <p><b>Construction type</b></p> <p>Structural: Cast-in-place concrete frame Exterior walls: Insulated precast panels (interior wall surface) Interior walls: Precast panels (interior wall surface); cast-in-place concrete; CMU block Exterior surface/facade: Natural wall, no coating or treatment; textured concrete</p>	<p><b>Inmate housing areas</b></p> <p>Design: Linear, outside; module/pod Cells per unit: 24 and 32 Inmates per unit: 100 Management type: Remote surveillance; direct supervision October 1985 population: 448 Facility commitment: State prisoners Means to handle crowding: Beds in dayroom</p>
<p><b>Security</b></p> <p>Perimeter: Double fence; razor wire on fence; towers Inmate security level: Maximum: 20% Medium: 80% Minimum: 0</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 480 Double occupancy: 0 Dorms: 0 Other: 0 Special housing: 8 General population: 480 Total: 488</p> <p><b>Current staff</b></p> <p>Full-time equivalent: Administration: 33 Security: 182 Programs/treatment: 38 Maintenance: 19 Total: 272 Current inmate/staff ratio: 1.65:1</p>	<p><b>Construction process</b></p> <p>Finance method: State funds Contract method: Conventional Use of inmate labor: None Use of prefabrication: Limited</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel Doors/type: Swinging; sliding Doors/locking: Motor driven and remote locking; remote locking only Floor surface: Sealed concrete Intercom: Two-way to common areas HVAC: Air conditioning; wood chip boiler—hot water to air handling units Plumbing: Stainless combination unit; china (med.) Furniture: Steel Fire protection: Smoke detectors for common areas; manual alarm stations</p>		<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs: Positive: Use of prefabricated components, factory assembly; simple construction methods, repetitiveness of design; good competition, favorable market; design innovations Negative: Difficult site conditions</p> <p>Factors affecting time schedule: Positive: Use of prefabricated components, factory assembly; simple construction methods, repetitiveness of design; design innovations Negative: None</p>



# North Carolina Central Prison (Addition)

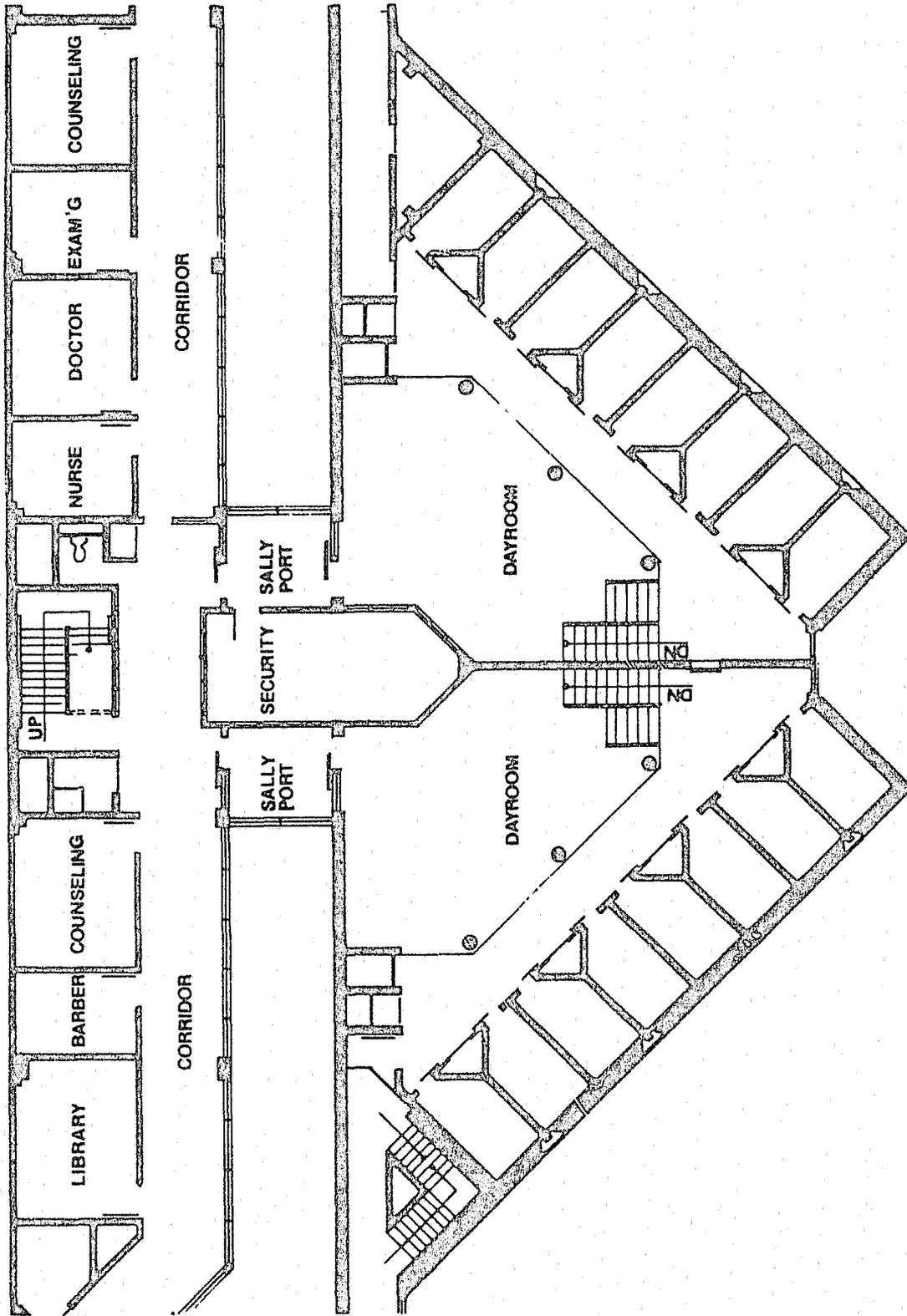
Responsible official: Warden Nathan A. Rice

North Carolina

Raleigh

**Contact:** Warden Nathan A. Rice, North Carolina Central Prison, 831 West Morgan Street, Raleigh, NC 27603, 919-834-0130  
**Architect:** J.N. Pease Associates, P.O. Box 18725, Charlotte, NC 28218, 704-376-6423  
**Associate architect:** Hellmuth, Obata & Kassabaum, Inc., 100 North Broadway, St. Louis, MO 63102, 314-421-2000  
**Construction manager:** Metric Constructors, Inc., 6135 Park Road, Two South Executive Park, Charlotte, NC 28210, 704-554-1415

<p><b>Groundbreaking:</b> November 1978 <b>Finish date:</b> April 1982 <b>Construction time:</b> 41 months</p>	<p><b>Design capacity:</b> 588 <b>Total cost:</b> \$35,000,000 <b>Total annual operating costs:</b> N/A (addition)</p>	<p><b>Category:</b> New, ancillary building <b>Facility type:</b> State prison <b>Building configuration:</b> Wings connecting housing pods</p>
<p><b>Costs</b></p> <p>Total: \$35,000,000 Building only: \$33,500,000 Housing area: \$19,950,000 Housing per inmate: \$33,929 Housing per cell: \$33,929 Total per inmate: \$59,524 Total per GSF: \$92.11 Total annual operating costs: N/A (addition)</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 380,000 Gross square feet/other: 0 Gross square feet/total: 380,000 Housing area square feet: 210,000 Gross square feet per inmate: 646 Size of cells: 72 square feet (single) Net/gross square feet: 76%</p> <p><b>Construction type</b></p> <p>Structural: Cast-in-place concrete frame Exterior walls: Precast panels Interior walls: Precast panels; cast-in-place concrete; CMU block Exterior surface/facade: Textured concrete</p> <p><b>Inmate design capacity</b></p> <p>Single occupancy: 588 Double occupancy: 0 Dorms: 0 Other: 0 Special housing: 0 General population: 588 Total: 588</p> <p><b>Current staff</b></p> <p>Full-time equivalent: Administration: N/A Security: N/A Programs/treatment: N/A Maintenance: N/A Total: N/A (addition) Current inmate/staff ratio: N/A</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod Cells per unit: 16 Inmates per unit: 16 Management type: Remote surveillance; direct supervision October 1985 population: 831 Facility commitment: State prisoners Means to handle crowding: Bunk beds in cells</p> <p><b>Construction process</b></p> <p>Finance method: State funds Contract method: Conventional Use of inmate labor: None Use of prefabrication: Extensive; exterior walls and structural frame inside perimeter</p>
<p><b>Security</b></p> <p>Perimeter: Double fence; razor wire on fence; towers Inmate security level: Maximum: 75% Medium: 25% Minimum: 0</p>		<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs: Positive: Use of prefabricated components, factory assembly; simple construction methods, repetitiveness of design Negative: Slow construction, difficult site conditions; complex electronic, mechanical, and electrical systems</p> <p>Factors affecting time schedule: Positive: Use of prefab. components, factory assembly; simple con. methods, repetitiveness of design; coordination of design, construction/owner Negative: Slow responses and delivery from vendors; complex electronic, mechanical, and electrical systems</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel Doors/type: Sliding Doors/locking: Motor driven and remote locking Floor surface: Sealed concrete Intercom: Two-way to common areas HVAC: Air conditioning; central heating plant/boiler Plumbing: Stainless combination unit Furniture: Steel Fire protection: Smoke detectors for cells and common areas; central fire alarm</p>		



Typical Living Unit

# Southern Correctional Center

Responsible official: Superintendent Michael Bumgarner

North Carolina

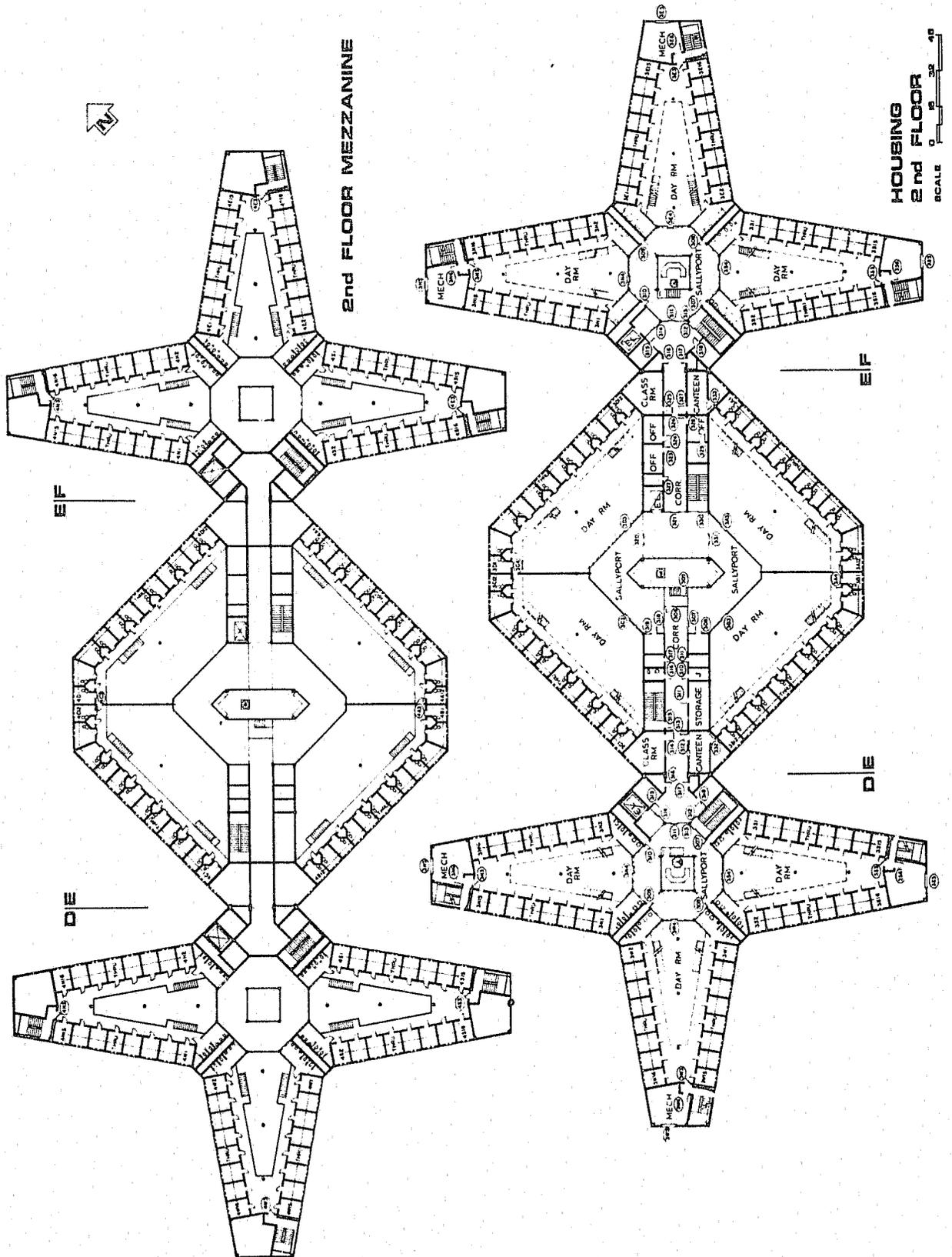
Troy

**Contact:** Superintendent Michael Bumgarner, Southern Correctional Center, P.O. Box 786, Troy, NC 27371, 919-572-3784

**Architect:** Grier-Fripp Associates, Inc., Suite 300, P.O. Box 11207, 4108 Park Road, Charlotte, NC 28220, 704-527-2514

**Construction manager:** None

<p><b>Groundbreaking:</b> December 1980 <b>Finish date:</b> March 1983 <b>Construction time:</b> 27 months</p>	<p><b>Design capacity:</b> 488 <b>Total cost:</b> \$15,799,176 <b>Total annual operating costs:</b> \$6,952,667</p>	<p><b>Category:</b> New, independent facility <b>Facility type:</b> State prison <b>Building configuration:</b> Clusters</p>
<p><b>Costs</b></p> <p>Total: \$15,799,176 Building only: \$14,627,223 Housing area: \$11,382,647 Housing per inmate: \$23,714 Housing per cell: \$23,714 Total per inmate: \$32,375 Total per GSF: \$80.02 Total annual operating costs: \$6,952,667</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 197,441 Gross square feet/other: 0 Gross square feet/total: 197,441 Housing area square feet: 137,804 Gross square feet per inmate: 405 Size of cells: 66 square feet (single) Net/gross square feet: 90%</p> <p><b>Construction type</b></p> <p>Structural: Cast-in-place concrete frame Exterior walls: Insulated precast panels (interior wall surface) Interior walls: Precast panels (interior wall surface); cast-in-place concrete, CMU block Exterior surface/facade: Natural wall, no coating or treatment; textured concrete</p>	<p><b>Inmate housing areas</b></p> <p>Design: Linear, outside; module/pod Cells per unit: 24 and 32 Inmates per unit: 100 Management type: Remote surveillance; direct supervision October 1985 population: 498 Facility commitment: State prisoners Means to handle crowding: Beds in dayroom</p>
<p><b>Security</b></p> <p>Perimeter: Double fence; razor wire on fence; towers Inmate security level: Maximum: 20% Medium: 80% Minimum: 0</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 480 Double occupancy: 0 Dorms: 0 Other: 0 Special housing: 8 General population: 480 Total: 488</p> <p><b>Current staff</b></p> <p>Full-time equivalent: Administration: 31 Security: 183 Programs/treatment: 42 Maintenance: 17 Total: 273 Current inmate/staff ratio: 1.82:1</p>	<p><b>Construction process</b></p> <p>Finance method: State funds Contract method: Conventional Use of inmate labor: None Use of prefabrication: Limited</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel Doors/type: Swinging; sliding Doors/locking: Motor driven and remote locking; remote locking only Floor surface: Sealed concrete Intercom: Two-way to common areas HVAC: Air conditioning; wood chip boiler—hot water to air handling units Plumbing: Stainless combination unit (max.); china (med.) Furniture: Steel Fire protection: Smoke detectors for common areas; manual alarm stations</p>		<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs: Positive: Use of prefabricated components, factory assembly; simple construction methods, repetitiveness of design; good competition, favorable market; design innovations Negative: Difficult site conditions</p> <p>Factors affecting time schedule: Positive: Use of prefabricated components, factory assembly; simple construction methods, repetitiveness of design; design innovations Negative: Weather problems</p>



# Ashtabula County Justice Center

Responsible official: Sheriff William K. Johnston

Ohio

Ashtabula County, Jefferson

**Contact:** Lieutenant Thomas Bishop, Ashtabula County Justice Center, 25 West Jefferson Street, Jefferson, OH 44047, 216-576-0055

**Architect:** Robert P. Madison International, 2930 Euclid Avenue, Cleveland, OH 44115, 216-861-8195

**Construction manager:** Ruhlin Construction Company, 200 North Cleveland-Massillon Road, Akron, OH 44313, 216-666-7505

<p><b>Groundbreaking:</b> November 1977 <b>Finish date:</b> January 1979 <b>Construction time:</b> 14 months</p>	<p><b>Design capacity:</b> 74 <b>Total cost:</b> \$4,100,000 <b>Total annual operating costs:</b> Unknown</p>	<p><b>Category:</b> New, independent facility <b>Facility type:</b> Complex: county jail, courts <b>Building configuration:</b> Integrated structure</p>
<p><b>Costs</b></p> <p>Total: \$4,100,000 Building only: \$4,000,000 Housing area: Unknown Housing per inmate: Unknown Housing per cell: Unknown Total per inmate: N/A (complex) Total per GSF: \$65.97 Total annual operating costs: Unknown</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 56,750 Gross square feet/other: 5,400 Gross square feet/total: 62,150 Housing area square feet: 11,704 Gross square feet per inmate: 767 Size of cells: 70 square feet (single) Net/gross square feet: 85%</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod Cells per unit: 8 Inmates per unit: 8 Management type: Intermittent surveillance; remote surveillance October 1985 population: 54 Facility commitment: Local jail inmates Means to handle crowding: Plans to expand</p>
<p><b>Security</b></p> <p>Perimeter: Building exterior only Inmate security level: Maximum: 39% Medium: 11% Minimum: 39% (+ 11% work release)</p>	<p><b>Construction type</b></p> <p>Structural: Cast-in-place concrete frame; post tensioned Exterior walls: CMU block; brick Interior walls: CMU block Exterior surface/facade: Brick</p>	<p><b>Construction process</b></p> <p>Finance method: Revenue sharing; other Federal funds; local funds Contract method: Construction management fast track Use of inmate labor: None Use of prefabrication: None</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel Doors/type: Swinging Doors/locking: Manual locking Floor surface: Sealed concrete Intercom: One-way to cells; two-way to common areas HVAC: Air conditioning; fired boilers Plumbing: Stainless steel Furniture: Steel Fire protection: Smoke detectors for common areas</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 74 Double occupancy: 0 Dorms: 0 Other: 0 Special housing: 0 General population: 74 Total: 74</p> <p><b>Current staff</b></p> <p>Full-time equivalent: Administration: 4 Security: 15 Programs/treatment: 2 Maintenance: 2 Total: 23 Current inmate/staff ratio: 2.35:1</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs: Positive: Phased construction, fast track construction management Negative: Complex electronic, mechanical, and electrical systems</p> <p>Factors affecting time schedule: Positive: Phased construction, fast track construction management Negative: Slow responses and delivery from vendors, suppliers</p>

(No floorplan available at time of publication)

# Hamilton County Justice Complex

Responsible official: Sheriff Lincoln Stokes

Ohio

Hamilton County, Cincinnati

**Contact:** Michael J. Montgomery, Director of Corrections, Hamilton County Sheriff's Office, 1000 Sycamore Street, Room 120, Cincinnati, OH 45202, 513-763-5152

**Associated architects:** Glaser & Myers, Inc., Champlin/Haupt, Inc., 2753 Erie Avenue, Cincinnati, OH 45208, 513-891-9111

**Consulting architect:** The Gruzen Partnership, 1700 Broadway, New York, NY 10019, 212-840-3940

**Construction manager:** None

<p><b>Groundbreaking:</b> June 1982 <b>Finish date:</b> May 1985 <b>Construction time:</b> 36 months</p>	<p><b>Design capacity:</b> 848 <b>Total cost:</b> \$50,000,000 <b>Total annual operating costs:</b> Unknown</p>	<p><b>Category:</b> New, independent facility <b>Facility type:</b> Complex: county jail, courts <b>Building configuration:</b> High rise</p>
<p><b>Costs</b></p> <p>Total: \$50,000,000 Building only: \$49,750,000 Housing area: \$33,000,000 Housing per inmate: \$42,526 Housing per cell: \$42,526 Total per inmate: N/A (complex) Total per GSF: \$112.36 Total annual operating costs: Unknown</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 420,000 Gross square feet/other: 25,600 Gross square feet/total: 445,000 Housing area square feet: 294,000 Gross square feet per inmate: 495 Size of cells: 80 square feet (single) Net/gross square feet: 80%</p> <p><b>Construction type</b></p> <p>Structural: Cast-in-place concrete frame Exterior walls: Brick Interior walls: Cast-in-place concrete; CMU block Exterior surface/facade: Brick</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod Cells per unit: 56 Inmates per unit: 56 Management type: Remote surveillance October 1985 population: 748 Facility commitment: Local jail inmates Means to handle crowding: Beds in dayroom</p>
<p><b>Security</b></p> <p>Perimeter: Building exterior only Inmate security level: Maximum: 14% Medium: 86% Minimum: 0</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 776 Double occupancy: 0 Dorms: 0 Other: 0 Special housing: 72 General population: 776 Total: 848</p>	<p><b>Construction process</b></p> <p>Finance method: G.O. Bonds; local funds Contract method: Conventional Use of inmate labor: None Use of prefabrication: None</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Solid Doors/type: Swinging Doors/locking: Remote locking only Floor surface: Epoxy coating Intercom: Two-way to cells and common areas HVAC: Air conditioning; central air handling units Plumbing: Stainless Furniture: Steel Fire protection: Smoke detectors and sprinklers for cells and common areas; manual alarm stations</p>	<p><b>Current staff</b></p> <p>Full-time equivalent: Administration: 9 Security: 268 Programs/treatment: 44 Maintenance: 5 Total: 326 Current inmate/staff ratio: 2.29:1</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs: Positive: Good competition, favorable market; simple construction methods, repetitiveness of design Negative: Complex electronic, mechanical, and electrical systems; slow construction, lengthy building time</p> <p>Factors affecting time schedule: Positive: Coordination of design, construction/owner; simple construction methods, repetitiveness of design Negative: Complex electronic, mechanical, and electrical systems</p>



# Ottawa County Detention Facility

Responsible official: Sheriff John Crosser

Ohio

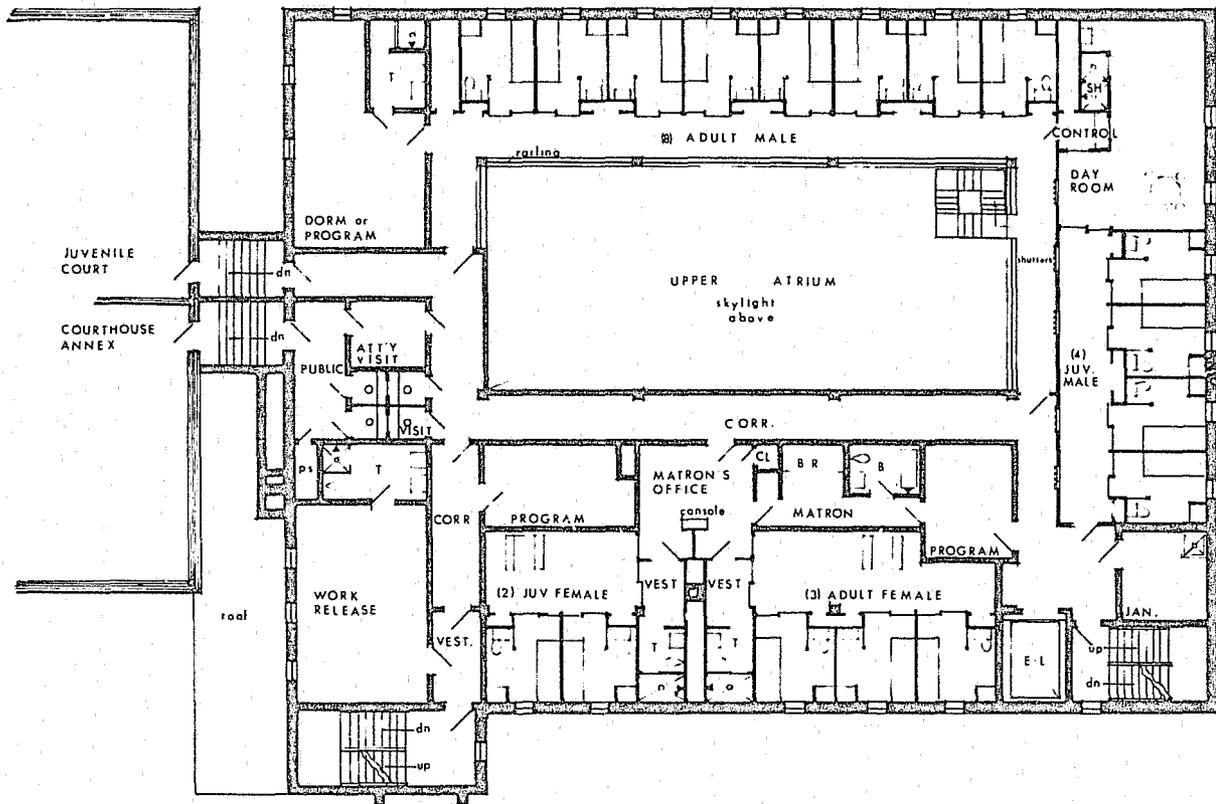
Ottawa County, Port Clinton

**Contact:** Sheriff John Crosser, Ottawa County Detention Facility, Port Clinton, OH 43452, 419-734-4404

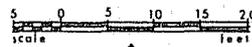
**Architect:** Geary, Moore and Ahrens, Inc., 672 East Royalton Road, Cleveland, OH 44147, 216-526-0672

**Construction manager:** None

<p><b>Groundbreaking:</b> August 1979  <b>Finish date:</b> April 1981  <b>Construction time:</b> 20 months</p>	<p><b>Design capacity:</b> 41  <b>Total cost:</b> \$2,671,461  <b>Total annual operating costs:</b> \$500,000 (excl. utilities)</p>	<p><b>Category:</b> New, independent facility; phased project (future)  <b>Facility type:</b> Complex: county jail, law enforcement, courts  <b>Building configuration:</b> Integrated structure</p>
<p><b>Costs</b></p> <p>Total: \$2,671,461          Building only: \$2,671,461          Housing area: Unknown          Housing per inmate: Unknown          Housing per cell: Unknown          Total per inmate: N/A (complex)          Total per GSF: \$85.13          Total annual operating costs: \$500,000 (excl. utilities)</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 22,080          Gross square feet/other: 9,300          Gross square feet/total: 31,380          Housing area square feet: 9,444          Gross square feet per inmate: 539          Size of cells: 80 square feet (single)          Net/gross square feet: 78%</p> <p><b>Construction type</b></p> <p>Structural: Cast-in-place concrete frame          Exterior walls: Sandstone          Interior walls: Cast-in-place concrete; CMU block; hollow metal partitions          Exterior surface/facade: Sandstone</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod          Cells per unit: 16          Inmates per unit: 16          Management type: Remote surveillance          October 1985 population: 41          Facility commitment: Local jail inmates          Means to handle crowding: None</p>
<p><b>Security</b></p> <p>Perimeter: Building exterior only          Inmate security level:              Maximum: 10%              Medium: 80%              Minimum: 10%</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 28          Double occupancy: 0          Dorms: 8          Other: 0          Special housing: 5          General population: 36          Total: 41</p> <p><b>Current staff</b></p> <p>Full-time equivalent:              Administration: 1              Security: 14              Programs/treatment: 0              Maintenance: 3              Total: 18          Current inmate/staff ratio: 2.28:1</p>	<p><b>Construction process</b></p> <p>Finance method: Local funds          Contract method: Conventional          Use of inmate labor: None          Use of prefabrication: None</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Aluminum and glass          Doors/type: Sliding          Doors/locking: Remote locking only          Floor surface: Concrete with integral color hardener          Intercom: Two-way to cells and common areas          HVAC: Air conditioning; gas boiler          Plumbing: Stainless combination unit          Furniture: Steel          Fire protection: Smoke detectors for common areas; sprinklers for cells and common areas; manual alarm stations</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs:          Positive: Good competition, favorable market          Negative: Complex electronic, mechanical, and electrical systems; expensive materials to match existing courthouse</p> <p>Factors affecting time schedule:          Positive: Good architectural trades contractor          Negative: Complex electronic, mechanical, and electrical systems; use of five prime contractors</p>	



SECOND FLOOR



# Wayne County Justice Center

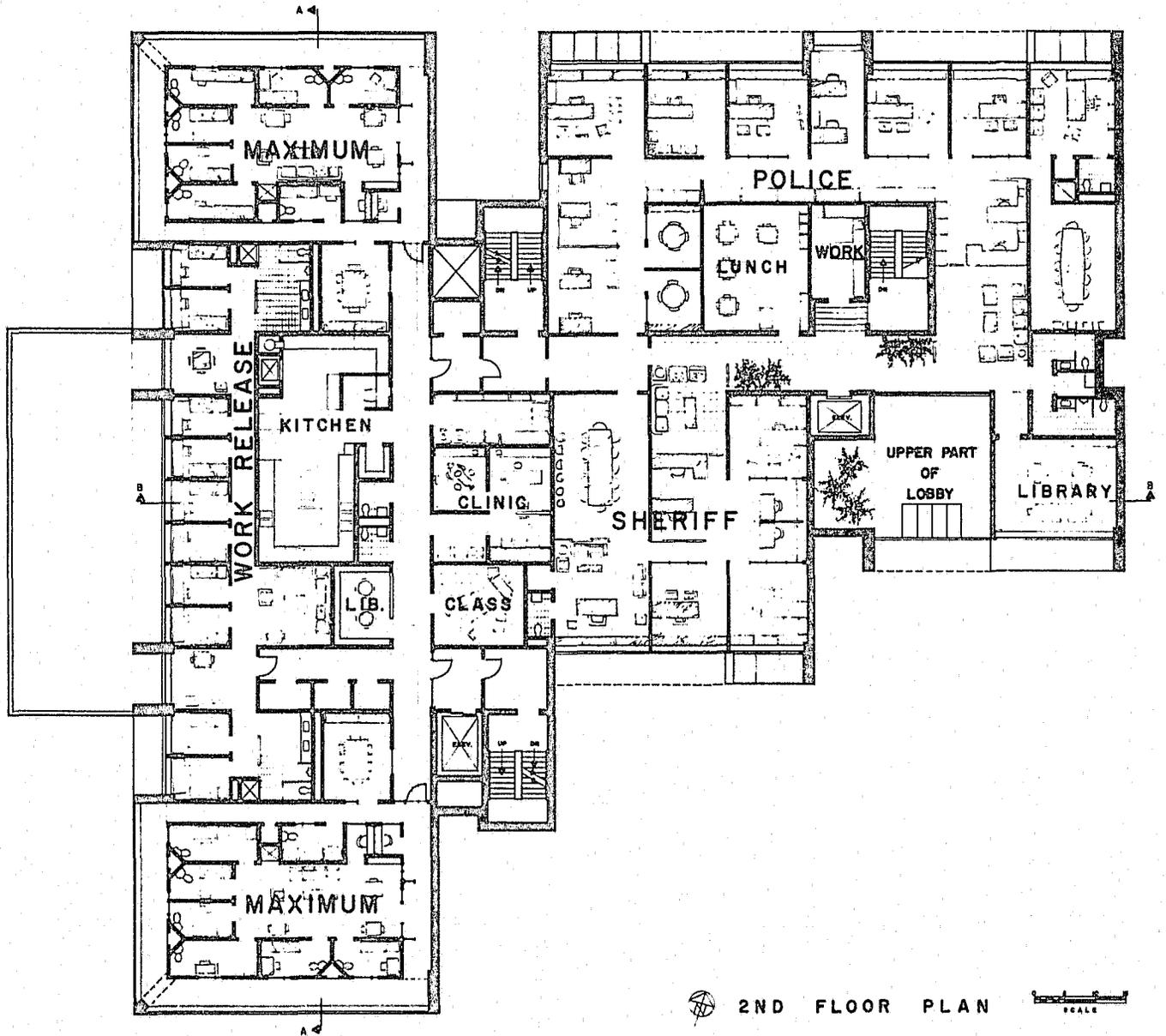
Responsible official: Sheriff Loran D. Alexander

Ohio

Wayne County, Wooster

**Contact:** Captain Gene Rhodes, Wayne County Justice Center, Wooster, OH 44691, 216-264-2288  
**Architect:** Robert P. Madison International, 2930 Euclid Avenue, Cleveland, OH 44115, 216-861-8195  
**Construction manager:** None

<p><b>Groundbreaking:</b> November 1977 <b>Finish date:</b> November 1978 <b>Construction time:</b> 12 months</p>	<p><b>Design capacity:</b> 78 <b>Total cost:</b> \$3,000,000 <b>Total annual operating costs:</b> \$924,565</p>	<p><b>Category:</b> New, independent facility <b>Facility type:</b> Complex: county jail, city jail, law enforcement <b>Building configuration:</b> Integrated structure</p>
<p><b>Costs</b></p> <p>Total: \$3,000,000 Building only: \$2,950,000 Housing area: Unknown Housing per inmate: Unknown Housing per cell: Unknown Total per inmate: N/A (complex) Total per GSF: \$56.60 Total annual operating costs: \$924,565</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 40,000 Gross square feet/other: 13,000 Gross square feet/total: 53,000 Housing area square feet: 11,928 Gross square feet per inmate: 513 Size of cells: 70 square feet (single) Net/gross square feet: 85%</p> <p><b>Construction type</b></p> <p>Structural: Steel frame Exterior walls: CMU block; brick Interior walls: CMU block Exterior surface/facade: Brick</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod Cells per unit: 7 to 12 Inmates per unit: 7 to 12 Management type: Intermittent surveillance; remote surveillance October 1985 population: 97 Facility commitment: Local jail inmates Means to handle crowding: Extra cot in cell</p>
<p><b>Security</b></p> <p>Perimeter: Building exterior only Inmate security level: Maximum: 16% Medium: 41% Minimum: 22% (+ 21% work release and holding)</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 72 Double occupancy: 0 Dorms: 0 Other: 6 Special housing: 0 General population: 78 Total: 78</p> <p><b>Current staff</b></p> <p>Full-time equivalent: Administration: 24 Security: 23 Programs/treatment: 4 Maintenance: 2 Total: 53 Current inmate/staff ratio: 1.83:1</p>	<p><b>Construction process</b></p> <p>Finance method: Revenue sharing; other Federal funds Contract method: Conventional Use of inmate labor: None Use of prefabrication: None</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel Doors/type: Swinging Doors/locking: Remote locking only Floor surface: Epoxy coating Intercom: One-way to cells; two-way to common areas HVAC: Air conditioning; fired boilers Plumbing: Stainless Furniture: Steel Fire protection: Smoke detectors for common areas</p>		<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs: Positive: Simple construction methods; repetitiveness of design Negative: Complex electronic, mechanical, and electrical systems</p> <p>Factors affecting time schedule: Positive: Simple construction methods, repetitiveness of design; coordination of design, construction/owner Negative: Slow responses and delivery from vendors, suppliers</p>



# Lexington Assessment & Reception Center (Addition)

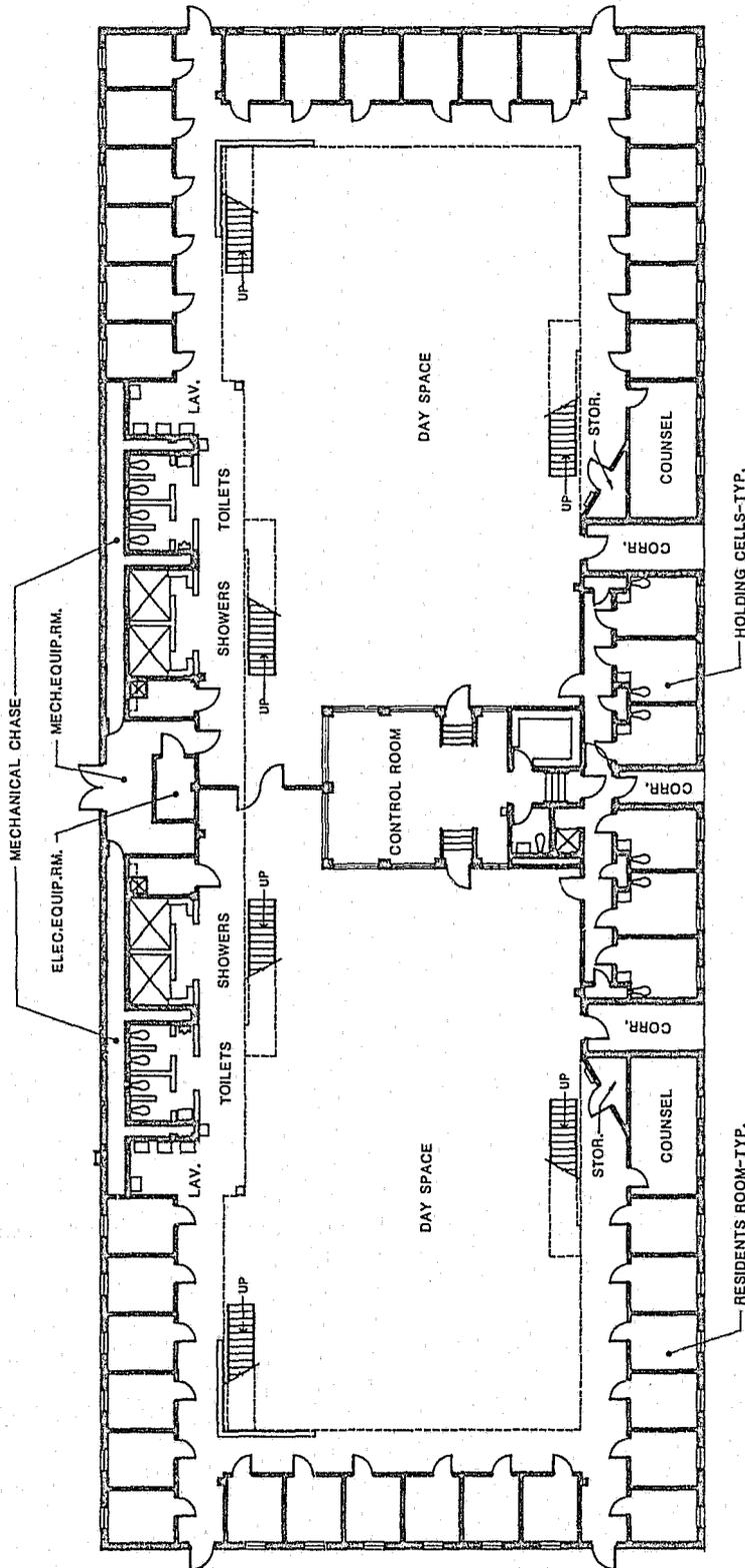
Responsible official: Warden Peter Douglas

Oklahoma

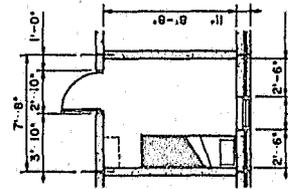
Lexington

**Contact:** Warden Peter Douglas, Lexington Assessment & Reception Center, Box 260, Lexington, OK 73051, 405-527-5676  
**Architect:** The Benham Group, Inc., P.O. Box 20400, 9400 Broadway, Oklahoma City, OK 73156, 405-478-5353  
**Construction manager:** None

<p><b>Groundbreaking:</b> September 1982  <b>Finish date:</b> June 1983  <b>Construction time:</b> 9 months</p>	<p><b>Design capacity:</b> 90  <b>Total cost:</b> \$1,819,408  <b>Total annual operating costs:</b> N/A (addition)</p>	<p><b>Category:</b> New, ancillary building  <b>Facility type:</b> State prison  <b>Building configuration:</b> Integrated structure</p>
<p><b>Costs</b></p> <p>Total: \$1,819,408          Building only: \$1,752,000          Housing area: \$1,489,408          Housing per inmate: \$17,731          Housing per cell: \$17,731          Total per inmate: \$20,216          Total per GSF: \$62.26          Total annual operating costs: N/A (addition)</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 29,225          Gross square feet/other: 0          Gross square feet/total: 29,225          Housing area square feet: 24,625          Gross square feet per inmate: 325          Size of cells: 63 square feet (single)          Net/gross square feet: 98%</p> <p><b>Construction type</b></p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod          Cells per unit: 90          Inmates per unit: 90          Management type: Remote surveillance          October 1985 population: 144          Facility commitment: State prisoners          Means to handle crowding: Stacked bunks</p>
<p><b>Security</b></p> <p>Perimeter: Building exterior only          Inmate security level:              Maximum: 0              Medium: 0              Minimum: 94.6% (+ 5.4% holding)</p>	<p>Structural: Load bearing precast panels; double T's          Exterior walls: Precast panels          Interior walls: Precast panels; CMU block          Exterior surface/facade: Raked finish, precast</p> <p><b>Inmate design capacity</b></p>	<p><b>Construction process</b></p> <p>Finance method: State funds          Contract method: Conventional          Use of inmate labor: None          Use of prefabrication: Extensive; exterior walls, interior walls, floor and roof slabs</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel          Doors/type: Swinging          Doors/locking: Manual locking          Floor surface: Linoleum; tile          Intercom: One-way to common areas; two-way to counseling rooms          HVAC: Heating/air circulation only; gas U.H.U.          Plumbing: China          Furniture: Steel          Fire protection: Smoke detectors in common areas, cells, and mechanical ductwork; fire hose cabinets and fire extinguishers</p>	<p>Single occupancy: 84          Double occupancy: 0          Dorms: 0          Other: 0          Special housing: 6          General population: 84          Total: 90</p> <p><b>Current staff</b></p> <p>Full-time equivalent:              Administration: N/A              Security: 4              Programs/treatment: 2              Maintenance: 1              Total: 7 (addition only)          Current inmate/staff ratio: 21:1</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs:          Positive: Use of prefabricated components, factory assembly; simple construction methods; less expensive materials and hardware          Negative: None</p> <p>Factors affecting time schedule:          Positive: Use of prefabricated components, factory assembly; simple construction methods; coordination of design, construction/owner          Negative: None</p>



FIRST LEVEL FLOOR PLAN



TYPICAL RESIDENTS ROOM

# Mabel Bassett Correctional Center (Addition)

Responsible official: Warden Larry Fields

Oklahoma

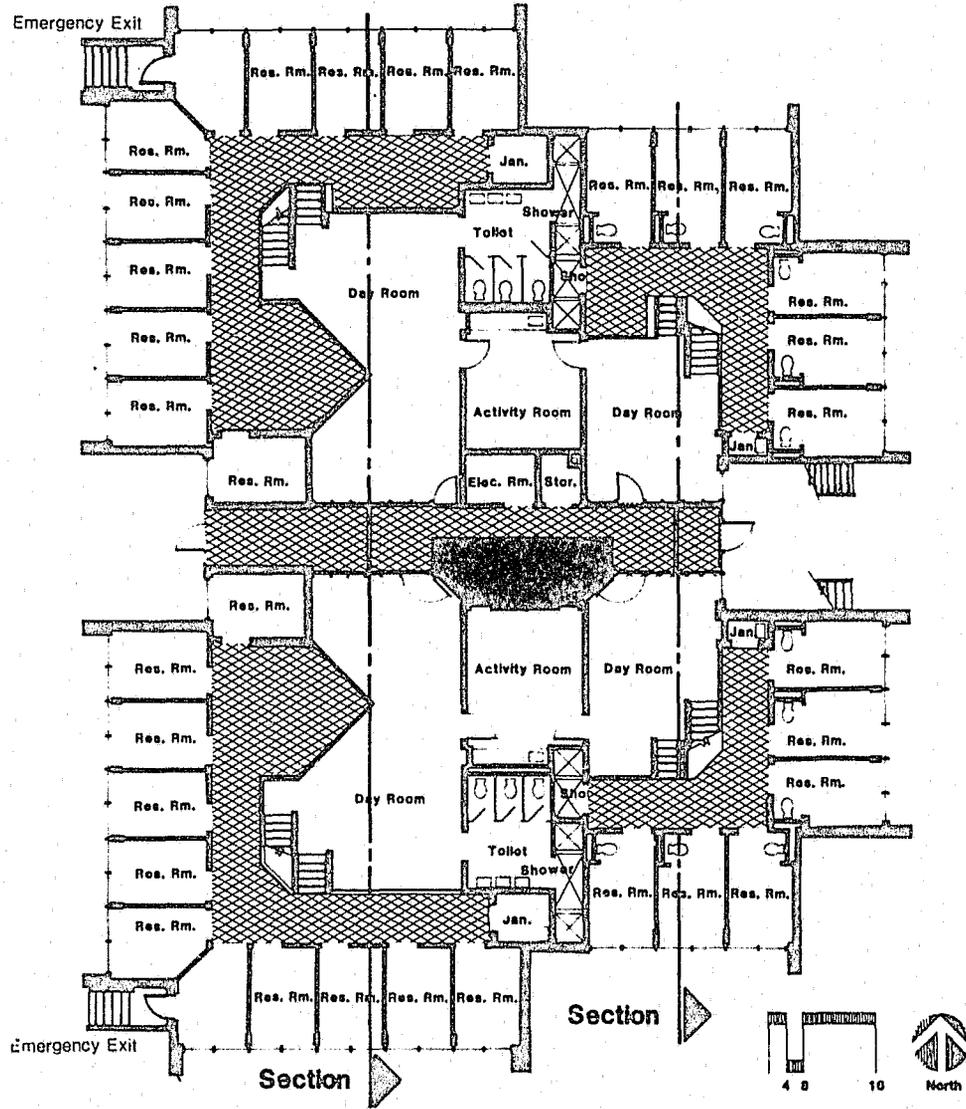
Oklahoma City

**Contact:** Warden Larry Fields, Mabel Bassett Correctional Center, 3300 Martin Luther King Avenue, Oklahoma City, OK 73112, 405-521-3949

**Architect:** Rees Associates, Inc., #245, 4200 Perimeter Center Drive, Oklahoma City, OK 73112, 405-946-9800

**Construction manager:** None

<p><b>Groundbreaking:</b> October 1979  <b>Finish date:</b> April 1981  <b>Construction time:</b> 18 months</p>	<p><b>Design capacity:</b> 53  <b>Total cost:</b> \$912,809  <b>Total annual operating costs:</b> N/A (addition)</p>	<p><b>Category:</b> New, ancillary building  <b>Facility type:</b> State prison  <b>Building configuration:</b> Integrated structure</p>
<p><b>Costs</b></p> <p>Total: \$912,809          Building only: \$899,500          Housing area: \$860,000          Housing per inmate: \$28,667          Housing per cell: \$28,667          Total per inmate: \$17,223          Total per GSF: \$74.88          Total annual operating costs: N/A (addition)</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 12,191          Gross square feet/other: 0          Gross square feet/total: 12,191          Housing area square feet: 11,766          Gross square feet per inmate: 230          Size of cells: 70 square feet (single)          Net/gross square feet: N/A</p> <p><b>Construction type</b></p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod          Cells per unit: 53          Inmates per unit: 53          Management type: Remote surveillance          October 1985 population: 106          Facility commitment: State prisoners          Means to handle crowding: Bunk beds in cell</p>
<p><b>Security</b></p> <p>Perimeter: Double fence; alarm/detection system; razor wire on fence          Inmate security level:          Maximum: 20%          Medium: 80%          Minimum: 0</p>	<p>Structural: Steel frame; load bearing CMU walls; cast-in-place concrete frame          Exterior walls: Cast-in-place concrete; CMU split-face block; block masonry          Interior walls: Cast-in-place concrete; CMU block          Exterior surface/facade: Split-face block</p> <p><b>Inmate design capacity</b></p>	<p><b>Construction process</b></p> <p>Finance method: State funds          Contract method: Conventional          Use of inmate labor: None          Use of prefabrication: Limited</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel          Doors/type: Swinging          Doors/locking: Remote locking; manual locking          Floor surface: Linoleum, sealed concrete          Intercom: Two-way to cells and common areas          HVAC: Air conditioning; rooftop heating plant with boilers and condensing units          Plumbing: Stainless          Furniture: Steel          Fire protection: Smoke detectors for cells and common areas; manual alarm stations</p>	<p>Single occupancy: 30          Double occupancy: 0          Dorms: 0          Other: 0          Special housing: 23          General population: 30          Total: 53</p> <p><b>Current staff</b></p> <p>Full-time equivalent:          Administration: N/A          Security: 6          Programs/treatment: N/A          Maintenance: N/A          Total: 6 (addition only)          Current inmate/staff ratio: 17.7:1</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs:          Positive: Use of prefabricated masonry units; simple building technique; repetition and simplicity of design; local availability of materials          Negative: None</p> <p>Factors affecting time schedule:          Positive: Use of prefabricated masonry units; simple construction technique          Negative: Weather problems; delivery problems with vendor/supplier</p>



Ground Level Floor Plan

# Oklahoma State Penitentiary (Addition/Remodel)

Responsible official: Warden Gary D. Maynard

Oklahoma

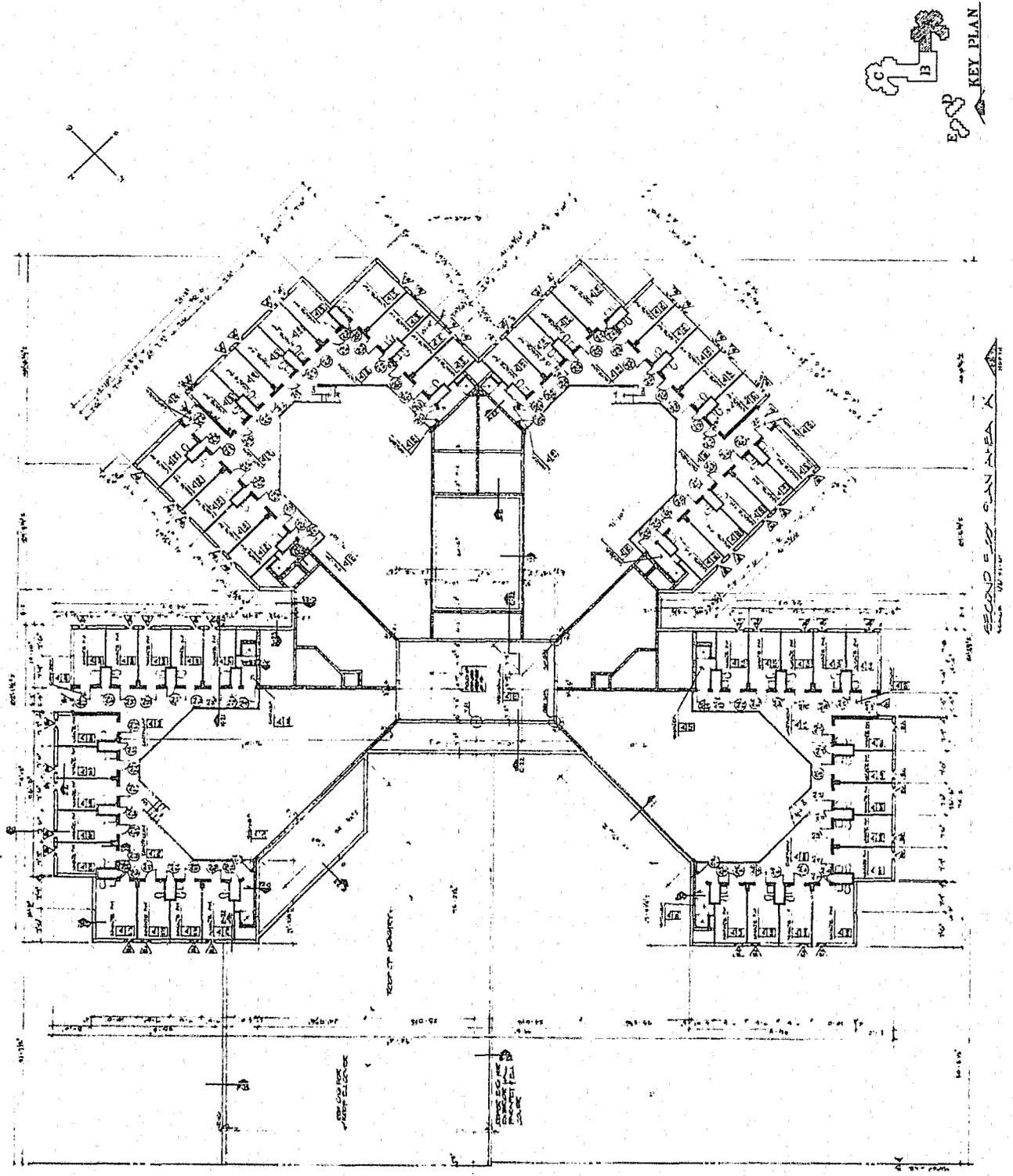
McAlester

**Contact:** Warden Gary D. Maynard, Oklahoma State Penitentiary, P.O. Box 97, McAlester, OK 74501, 918-423-4700

**Architect:** Bruton, Knowles & Love, Inc., P.O. Box 582528, Tulsa, OK 74158, 918-835-9588

**Construction manager:** None

<p><b>Groundbreaking:</b> November 1978 <b>Finish date:</b> November 1984 <b>Construction time:</b> 72 months</p>	<p><b>Design capacity:</b> 500 <b>Total cost:</b> \$17,204,022 <b>Total annual operating costs:</b> \$10,367,500 (entire facility)</p>	<p><b>Category:</b> New, ancillary building; remodeling/renovation; expansion <b>Facility type:</b> State prison <b>Building configuration:</b> Wheel, spoke, or radial</p>
<p><b>Costs</b></p> <p>Total: \$17,204,022 Building only: \$15,804,022 Housing area: \$14,500,000 Housing per inmate: \$29,000 Housing per cell: \$29,000 Total per inmate: N/A (addition/remodel) Total per GSF: \$90.17 Total annual operating costs: \$10,367,500 (entire facility)</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 190,800 Gross square feet/other: 0 Gross square feet/total: 190,800 Housing area square feet: 172,000 Gross square feet per inmate: 382 Size of cells: 98 square feet (single) Net/gross square feet: 77%</p> <p><b>Construction type</b></p> <p>Structural: Load bearing precast panels; cast-in-place concrete frame Exterior walls: Precast panels Interior walls: Precast panels; cast-in-place concrete Exterior surface/facade: Colored concrete</p>	<p><b>Inmate housing areas</b></p> <p>Design: Linear, outside Cells per unit: 80 to 112 Inmates per unit: 80 to 112 Management type: Remote surveillance October 1985 population: 650 Facility commitment: State prisoners Means to handle crowding: Bunk beds in cell; second bunk permanently attached to wall</p>
<p><b>Security</b></p> <p>Perimeter: Double fence; razor wire on and between fences; towers; patrols Inmate security level: Maximum: 100% Medium: 0 Minimum: 0</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 500 Double occupancy: 0 Dorms: 0 Other: 0 Special housing: 0 General population: 500 Total: 500</p> <p><b>Current staff</b></p> <p>Full-time equivalent: Administration: 7 Security: 278 Programs/treatment: 21 Maintenance: 16 Total: 364 (entire facility) Current inmate/staff ratio: 1.79:1</p>	<p><b>Construction process</b></p> <p>Finance method: State funds Contract method: Conventional Use of inmate labor: None Use of prefabrication: Extensive; entire structure was precast concrete with minor CIP</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel Doors/type: Swinging Doors/locking: Motor driven and remote locking Floor surface: Sealed concrete Intercom: Two-way to common areas HVAC: Air conditioning; hot water boilers Plumbing: Stainless steel Furniture: Steel Fire protection: Smoke detectors for cells</p>		<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs: Positive: Use of prefabricated components, factory assembly Negative: Complex electronic, mechanical, and electrical systems</p> <p>Factors affecting time schedule: Positive: Use of prefabricated components, factory assembly Negative: Slow responses and delivery from vendors, suppliers</p>



# Quachita Correctional Center (Addition)

Oklahoma

Responsible official: Warden Tom White

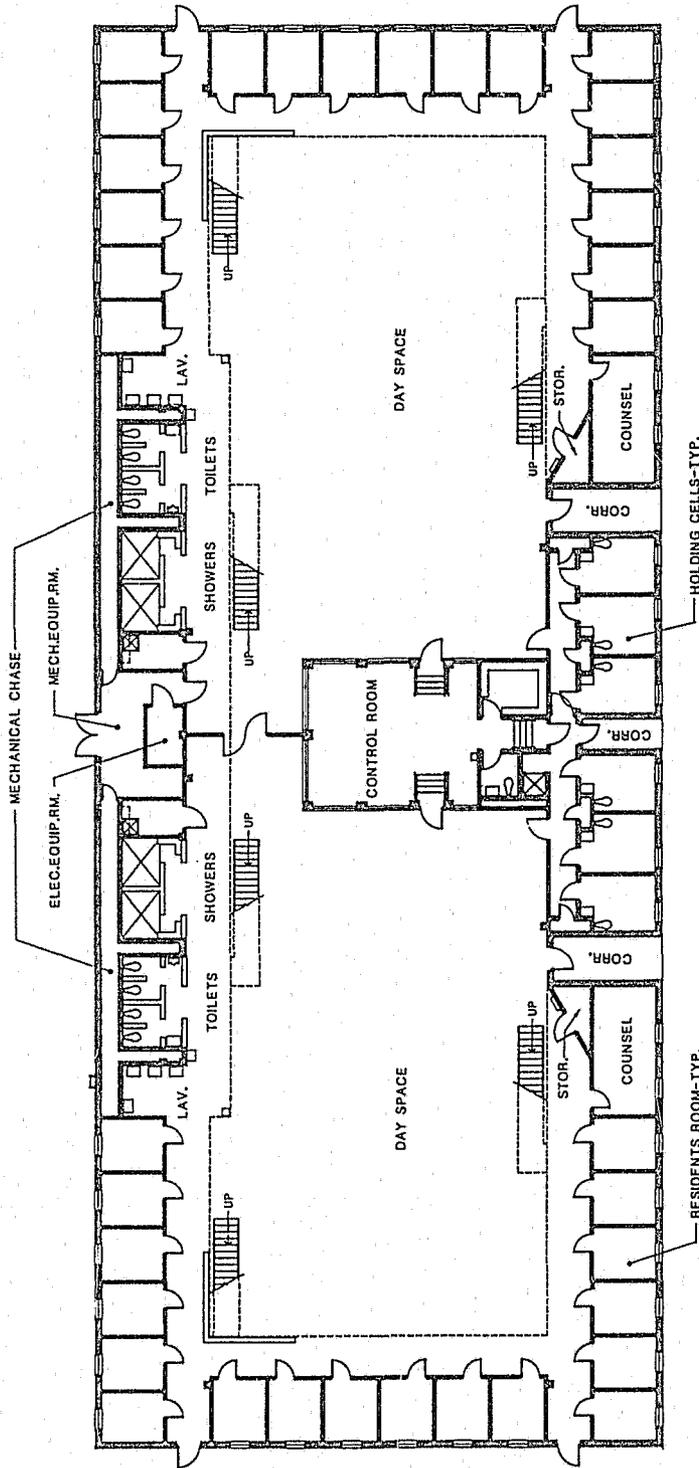
Hodgen

**Contact:** Warden Tom White, Quachita Correctional Center, Route 1, Hodgen, OK 74939, 918-653-7831

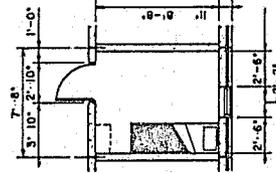
**Architect:** The Benham Group, Inc., P.O. Box 20400, 9400 North Broadway, Oklahoma City, OK 73156, 405-478-5353

**Construction manager:** None

<p><b>Groundbreaking:</b> September 1982 <b>Finish date:</b> May 1983 <b>Construction time:</b> 8 months</p>	<p><b>Design capacity:</b> 90 <b>Total cost:</b> \$1,426,200 <b>Total annual operating costs:</b> N/A (addition)</p>	<p><b>Category:</b> New, ancillary building <b>Facility type:</b> State prison <b>Building configuration:</b> Integrated structure</p>
<p><b>Costs</b></p> <p>Total: \$1,426,200 Building only: \$1,406,200 Housing area: Unknown Housing per inmate: Unknown Housing per cell: Unknown Total per inmate: \$15,847 Total per GSF: \$57.92 Total annual operating costs: N/A (addition)</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 24,625 Gross square feet/other: 0 Gross square feet/total: 24,625 Housing area square feet: 20,033 Gross square feet per inmate: 274 Size of cells: 63 square feet (single) Net/gross square feet: 98%</p> <p><b>Construction type</b></p> <p>Structural: Load bearing precast panels Exterior walls: Precast panels Interior walls: Precast panels; CMU block Exterior surface/facade: Raked finish, precast</p> <p><b>Inmate design capacity</b></p> <p>Single occupancy: 84 Double occupancy: 0 Dorms: 0 Other: 0 Special housing: 6 General population: 84 Total: 90</p> <p><b>Current staff</b></p> <p>Full-time equivalent: Administration: N/A Security: N/A Programs/treatment: N/A Maintenance: N/A Total: N/A (no extra staff added) Current inmate/staff ratio: Unknown</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod Cells per unit: 90 Inmates per unit: 90 Management type: Remote surveillance October 1985 population: 90 Facility commitment: State prisoners Means to handle crowding: Stacked bunks in cell</p> <p><b>Construction process</b></p> <p>Finance method: State funds Contract method: Conventional Use of inmate labor: None Use of prefabrication: Extensive; exterior walls; most interior walls; precast concrete slabs</p> <p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs: Positive: Use of prefabricated components, factory assembly; simple construction methods; less expensive materials and hardware Negative: None</p> <p>Factors affecting time schedule: Positive: Use of prefabricated components, factory assembly; simple construction methods; coordination of design, construction/owner Negative: None</p>
<p><b>Security</b></p> <p>Perimeter: Building exterior; single fence Inmate security level: Maximum: 0 Medium: 0 Minimum: 94.6% (+ 5.4% holding)</p>		
<p><b>Inmate cells</b></p> <p>Doors/material: Steel Doors/type: Swinging Doors/locking: Manual locking Floor surface: Linoleum; sealed concrete Intercom: One-way to common areas; two-way to counseling rooms HVAC: Heating/air circulation only; gas A.H.U. Plumbing: China Furniture: Steel; wood Fire protection: Smoke detectors in common areas, cells, and mechanical ductwork; fire hose cabinets and fire extinguishers</p>		



FIRST LEVEL FLOOR PLAN



TYPICAL RESIDENTS ROOM

# Justice Center

Responsible official: Sheriff Fred Pearce

Oregon

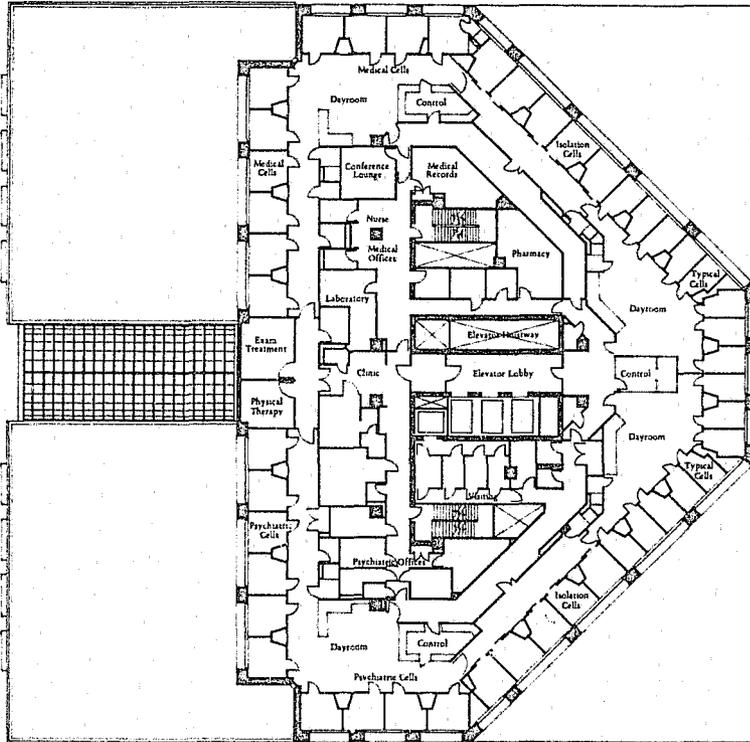
Multnomah County, Portland

**Contact:** Captain Joe Golden, Justice Center, 1120 SW. Third, Portland, OR 97204, 503-248-5129

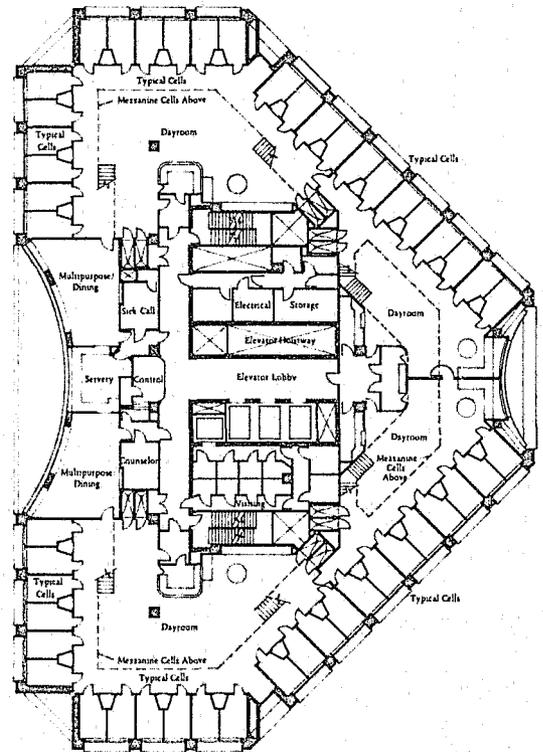
**Architect:** Zimmer Gunsul Frasca Partnership, Suite 500, 320 SW. Oak, Portland, OR 97204, 503-224-3860

**Construction manager:** Turner Construction Company, 1201 Pennsylvania Avenue NW., Washington, DC 20004, 202-393-5100

<p><b>Groundbreaking:</b> May 1980  <b>Finish date:</b> November 1983  <b>Construction time:</b> 43 months</p>	<p><b>Design capacity:</b> 430  <b>Total cost:</b> \$44,162,400  <b>Total annual operating costs:</b> \$11,477,300</p>	<p><b>Category:</b> New, independent facility  <b>Facility type:</b> Complex: county jail, law enforcement admin., courts, retail  <b>Building configuration:</b> High rise</p>
<p><b>Costs</b></p> <p>Total: \$44,162,400  Building only: \$44,112,400  Housing area: \$12,430,573  Housing per inmate: \$32,371  Housing per cell: \$32,371  Total per inmate: N/A (complex)  Total per GSF: \$93.56  Total annual operating costs: \$11,477,300</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 243,245  Gross square feet/other: 228,793  Gross square feet/total: 472,038  Housing area square feet: 108,792  Gross square feet per inmate: 566  Size of cells: 70 square feet (single)  Net/gross square feet: 57%</p> <p><b>Construction type</b></p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod  Cells per unit: 32  Inmates per unit: 32  Management type: Direct supervision  October 1985 population: 480  Facility commitment: Local jail inmates  Means to handle crowding: Mattresses on floor</p>
<p><b>Security</b></p> <p>Perimeter: Building exterior only  Inmate security level:  Maximum: 0  Medium: 100%  Minimum: 0</p>	<p>Structural: Load bearing precast panels; cast-in-place concrete frame  Exterior walls: Cast-in-place concrete; architectural precast  Interior walls: Precast panels; cast-in-place concrete; CMU block  Exterior surface/facade: Precast textured concrete</p> <p><b>Inmate design capacity</b></p>	<p><b>Construction process</b></p> <p>Finance method: Federal and State funds  Contract method: Construction management fast track  Use of inmate labor: None  Use of prefabrication: Extensive, precast cell walls and exterior cladding</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Wooden  Doors/type: Swinging  Doors/locking: Remote locking only  Floor surface: Sealed concrete  Intercom: One-way to cells; two-way to common areas  HVAC: Air conditioning; heat exchanger (hot water); gas-fired boilers  Plumbing: Stainless combination unit  Furniture: Concrete  Fire protection: Smoke detectors and sprinklers for cells and common areas; manual alarm stations; manual override of cell sprinklers</p>	<p>Single occupancy: 384  Double occupancy: 0  Dorms: 0  Other: 0  Special housing: 46  General population: 384  Total: 430</p> <p><b>Current staff</b></p> <p>Full-time equivalent:  Administration: 27  Security: 193  Programs/treatment: 46  Maintenance: 43  Total: 309 (not incl. food service or county medical staff)  Current inmate/staff ratio: 1.55:1</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs:  Positive: Use of prefab.; repetitiveness of design; three bid packages; good competition, favorable market; collaboration in value engineering  Negative: Small downtown site, strict development guidelines; complex electronic monitoring and control system for security</p> <p>Factors affecting time schedule:  Positive: Use of prefab.; repetitiveness of design; three bid packages; coordination of design, construction/owner; pressure to complete before demolition of existing jail  Negative: Complex electronics system</p>



FOURTH FLOOR PLAN  
SPECIAL HOUSING



FIFTH THROUGH EIGHTH FLOOR PLAN  
TYPICAL HOUSING

# Blair County Prison (Expansion)

Responsible official: Warden Richard Cunningham

Pennsylvania

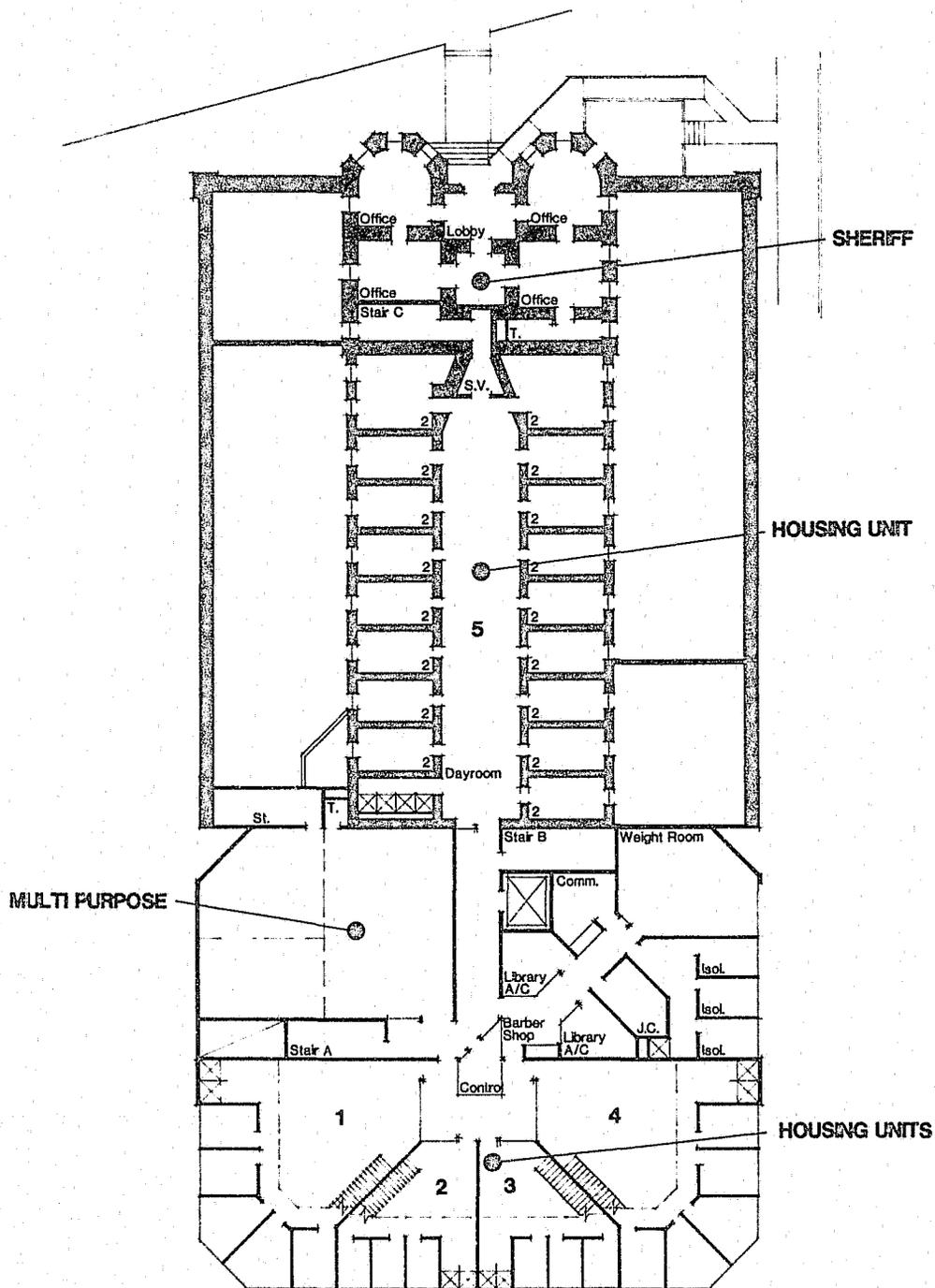
Blair County, Hollidaysburg

**Contact:** Warden Richard Cunningham, Blair County Prison, Hollidaysburg, PA 16648, 814-695-9731

**Architect:** L. Robert Kimball & Associates, 615 West Highland Avenue, Ebensburg, PA 15931, 814-472-7700

**Construction manager:** None

<p><b>Groundbreaking:</b> July 1982 <b>Finish date:</b> September 1984 <b>Construction time:</b> 27 months</p>	<p><b>Design capacity:</b> 141 <b>Total cost:</b> \$4,092,581 <b>Total annual operating costs:</b> N/A (expansion)</p>	<p><b>Category:</b> Expansion project <b>Facility type:</b> County jail <b>Building configuration:</b> Integrated structure</p>
<p><b>Costs</b></p> <p>Total: \$4,092,581 Building only: \$3,936,257 Housing area: Unknown Housing per inmate: Unknown Housing per cell: Unknown Total per inmate: \$29,025 Total per GSF: \$81.69 Total annual operating costs: N/A (expansion)</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 50,100 Gross square feet/other: 0 Gross square feet/total: 50,100 Housing area square feet: 21,950 Gross square feet per inmate: 355 Size of cells: 60 square feet (single); 90 square feet (double) Net/gross square feet: Unknown</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod (new); linear, outside (old) Cells per unit: 7 to 15 Inmates per unit: 7 to 38 Management type: Remote surveillance October 1985 population: 157 Facility commitment: Local jail inmates Means to handle crowding: DUI quarters; work release unit</p>
<p><b>Security</b></p> <p>Perimeter: Building exterior only Inmate security level: Maximum: 18% Medium: 67% Minimum: 15%</p>	<p><b>Construction type</b></p> <p>Structural: Steel frame Exterior walls: Brick Interior walls: CMU block Exterior surface/facade: Brick</p>	<p><b>Construction process</b></p> <p>Finance method: G.O. Bonds Contract method: Conventional Use of inmate labor: None Use of prefabrication: None</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel Doors/type: Swinging; sliding Doors/locking: Motor driven and remote locking Floor surface: Sealed concrete Intercom: Two-way to cells and common areas HVAC: Air conditioning Plumbing: Stainless; china Furniture: Steel Fire protection: Smoke detectors and sprinklers for cells and common areas; smoke ejectors</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 14 Double occupancy: 108 Dorms: 8 Other: 0 Special housing: 11 General population: 130 Total: 141</p> <p><b>Current staff</b></p> <p>Full-time equivalent: Administration: 4 Security: 42 Programs/treatment: 0 (contractual) Maintenance: 0 (contractual) Total: 46 (expansion only) Current inmate/staff ratio: 3.41:1</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs: Positive: Simple construction methods, repetitiveness of design; good competition, favorable market Negative: Difficult site conditions</p> <p>Factors affecting time schedule: Positive: Simple construction methods, repetitiveness of design; coordination of design, construction/owner Negative: Slow responses and delivery from vendors, suppliers</p>



# Lycoming County Prison

Responsible official: Warden David Desmond

Pennsylvania

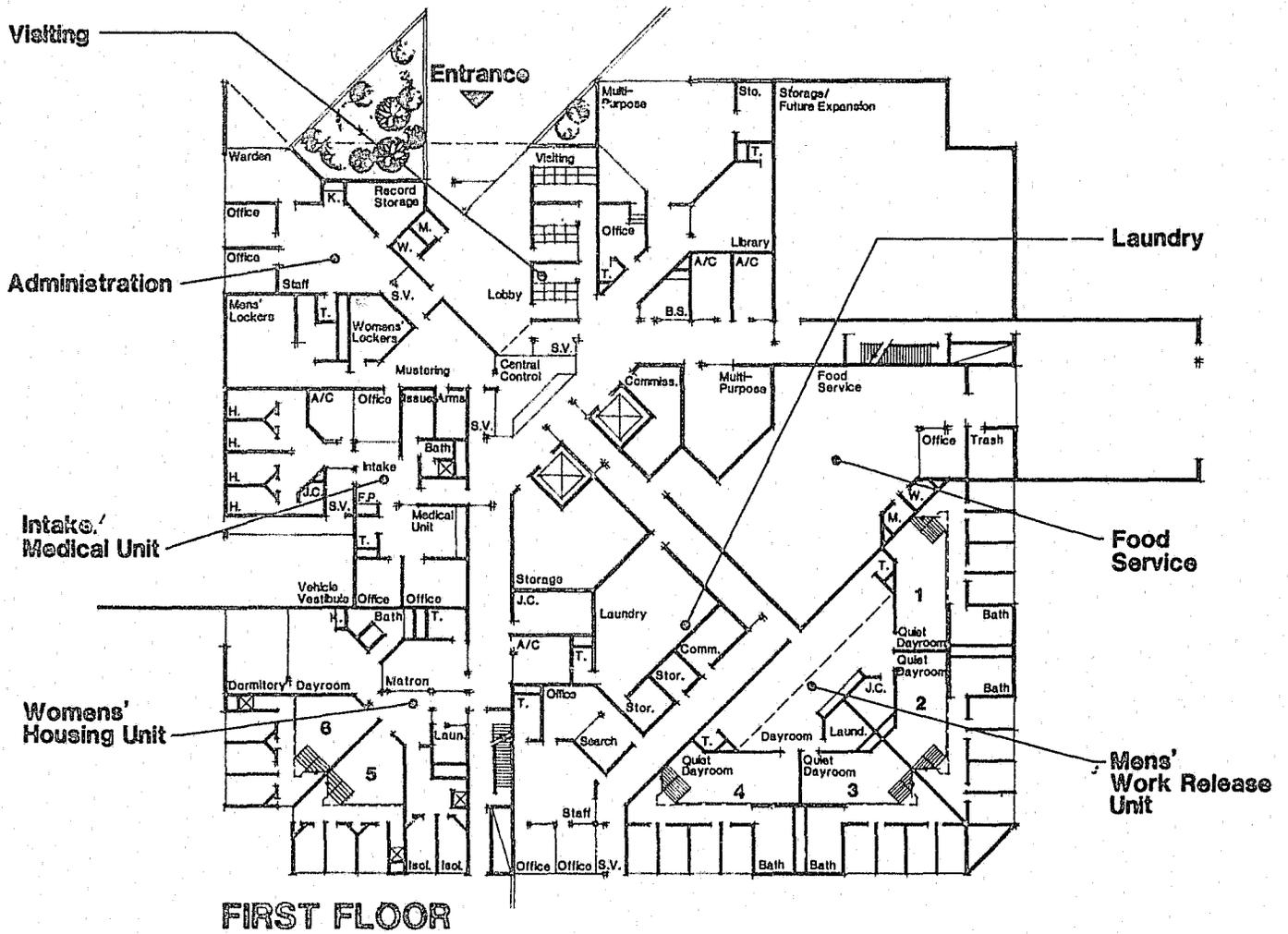
Lycoming County, Williamsport

**Contact:** Warden David Desmond, Lycoming County Prison, 277 West Third Street, Williamsport, PA 17701, 717-326-4623

**Architect:** L. Robert Kimball & Associates, 615 West Highland Avenue, Ebensburg, PA 15931, 814-472-7700

**Construction manager:** None

<p><b>Groundbreaking:</b> September 1983 <b>Finish date:</b> October 1985 <b>Construction time:</b> 26 months</p>	<p><b>Design capacity:</b> 150 <b>Total cost:</b> \$6,579,727 <b>Total annual operating costs:</b> \$1,480,986</p>	<p><b>Category:</b> New, independent facility <b>Facility type:</b> County jail <b>Building configuration:</b> Integrated structure</p>
<p><b>Costs</b></p> <p>Total: \$6,579,727 Building only: \$6,467,292 Housing area: Unknown Housing per inmate: Unknown Housing per cell: Unknown Total per inmate: \$43,865 Total per GSF: \$101.13 Total annual operating costs: \$1,480,986</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 65,060 Gross square feet/other: 0 Gross square feet/total: 65,060 Housing area square feet: 22,965 Gross square feet per inmate: 434 Size of cells: 60 to 80 square feet (single) Net/gross square feet: N/A</p> <p><b>Construction type</b></p> <p>Structural: Steel frame Exterior walls: Brick Interior walls: CMU block Exterior surface/facade: Brick</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod Cells per unit: 6 to 10 Inmates per unit: 6 to 10 Management type: Remote surveillance; patrols October 1985 population: 134 Facility commitment: Local jail inmates Means to handle crowding: Bunk beds in cell; transfer out</p>
<p><b>Security</b></p> <p>Perimeter: Building exterior only Inmate security level: Maximum: 20% Medium: 60% Minimum: 20%</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 142 Double occupancy: 0 Dorms: 0 Other: 0 Special housing: 8 General population: 142 Total: 150</p> <p><b>Current staff</b></p> <p>Full-time equivalent: Administration: 6 Security: 44 Programs/treatment: 6 Maintenance: 5 Total: 61 Current inmate/staff ratio: 2.20:1</p>	<p><b>Construction process</b></p> <p>Finance method: G.O. Bonds Contract method: Conventional Use of inmate labor: None Use of prefabrication: None</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel Doors/type: Sliding Doors/locking: Motor driven and remote locking Floor surface: Sealed concrete Intercom: Two-way to cells and common areas HVAC: Air conditioning; steam heating plant Plumbing: Stainless Furniture: Steel Fire protection: Smoke detectors for cells and common areas; smoke ejectors</p>		<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs: Positive: Simple construction methods, repetitiveness of design; good competition, favorable market Negative: Difficult site conditions (demolition of existing buildings)</p> <p>Factors affecting time schedule: Positive: Simple construction methods, repetitiveness of design; coordination of design, construction/owner Negative: Slow responses and delivery from vendors, suppliers; weather problems due to late contract award</p>



# Warren County Jail

Responsible official: Sheriff Donnell Allen, Jr.

Pennsylvania

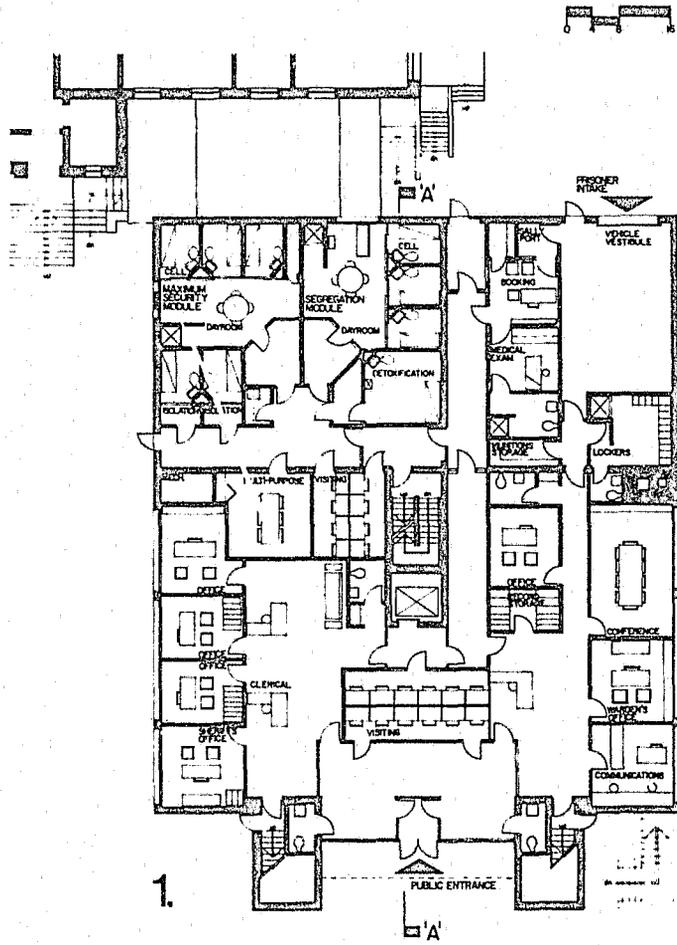
Warren County, Warren

**Contact:** Sheriff Donnell Allen, Jr., Warren County Jail, Warren, PA 16365, 814-723-7553

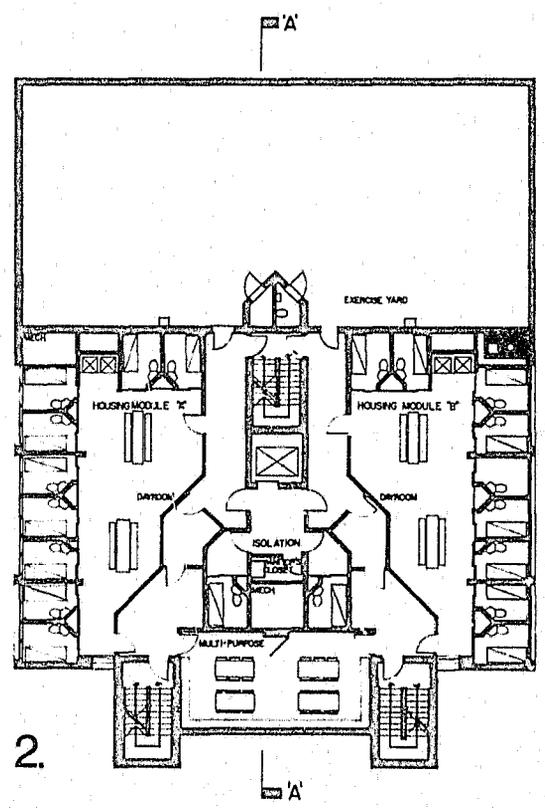
**Architect:** L. Robert Kimball & Associates, 615 West Highland Avenue, Ebensburg, PA 15931, 814-472-7700

**Construction manager:** None

<p><b>Groundbreaking:</b> August 1978 <b>Finish date:</b> April 1980 <b>Construction time:</b> 20 months</p>	<p><b>Design capacity:</b> 50 <b>Total cost:</b> \$2,189,614 <b>Total annual operating costs:</b> \$676,433</p>	<p><b>Category:</b> New, independent facility <b>Facility type:</b> County jail <b>Building configuration:</b> Integrated structure</p>
<p><b>Costs</b></p> <p>Total: \$2,189,614 Building only: \$2,126,369 Housing area: Unknown Housing per inmate: Unknown Housing per cell: Unknown Total per inmate: \$43,792 Total per GSF: \$95.08 Total annual operating costs: \$676,433</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 23,030 Gross square feet/other: 0 Gross square feet/total: 23,030 Housing area square feet: 7,300 Gross square feet per inmate: 461 Size of cells: 60 square feet (single) Net/gross square feet: N/A</p> <p><b>Construction type</b></p> <p>Structural: Steel frame Exterior walls: Brick Interior walls: CMU block Exterior surface/facade: Brick</p> <p><b>Inmate design capacity</b></p> <p>Single occupancy: 43 Double occupancy: 0 Dorms: 0 Other: 0 Special housing: 7 General population: 43 Total: 50</p> <p><b>Current staff</b></p> <p>Full-time equivalent: Administration: 2 Security: 17 Programs/treatment: 3 Maintenance: 3 Total: 25 Current inmate/staff ratio: 2.88:1</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod Cells per unit: 3 to 9 Inmates per unit: 6 to 14 Management type: Remote surveillance October 1985 population: 72 Facility commitment: Local jail inmates Means to handle crowding: Second bunk permanently attached to wall</p> <p><b>Construction process</b></p> <p>Finance method: Revenue sharing Contract method: Conventional Use of inmate labor: None Use of prefabrication: None</p> <p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs: Positive: Simple construction methods, repetitiveness of design; good competition, favorable market; site owned by county Negative: Difficult site conditions (had to demolish old jail)</p> <p>Factors affecting time schedule: Positive: Simple construction methods, repetitiveness of design; coordination of design, construction/owner Negative: Weather problems; rejected installation of precast concrete</p>
<p><b>Security</b></p> <p>Perimeter: Building exterior only Inmate security level: Maximum: 15% Medium: 70% Minimum: 15%</p>		
<p><b>Inmate cells</b></p> <p>Doors/material: Steel Doors/type: Sliding Doors/locking: Motor driven and remote locking Floor surface: Sealed concrete Intercom: Two-way to cells and common areas HVAC: Air conditioning; steam heating plant Plumbing: Stainless Furniture: Steel Fire protection: Smoke detectors and sprinklers for common areas; manual alarm stations; smoke ejectors</p>		



1.



2.

# Wyoming County Jail

Responsible official: Sheriff Robert Tauesdale

Pennsylvania

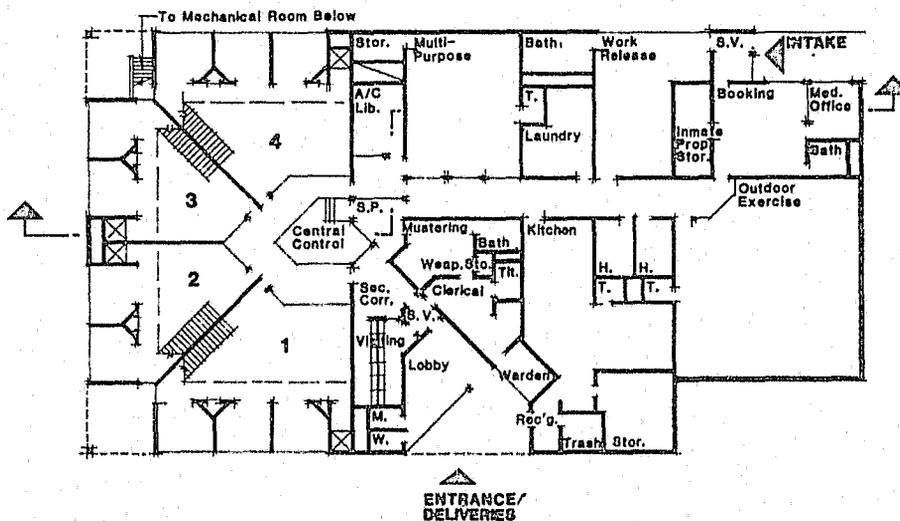
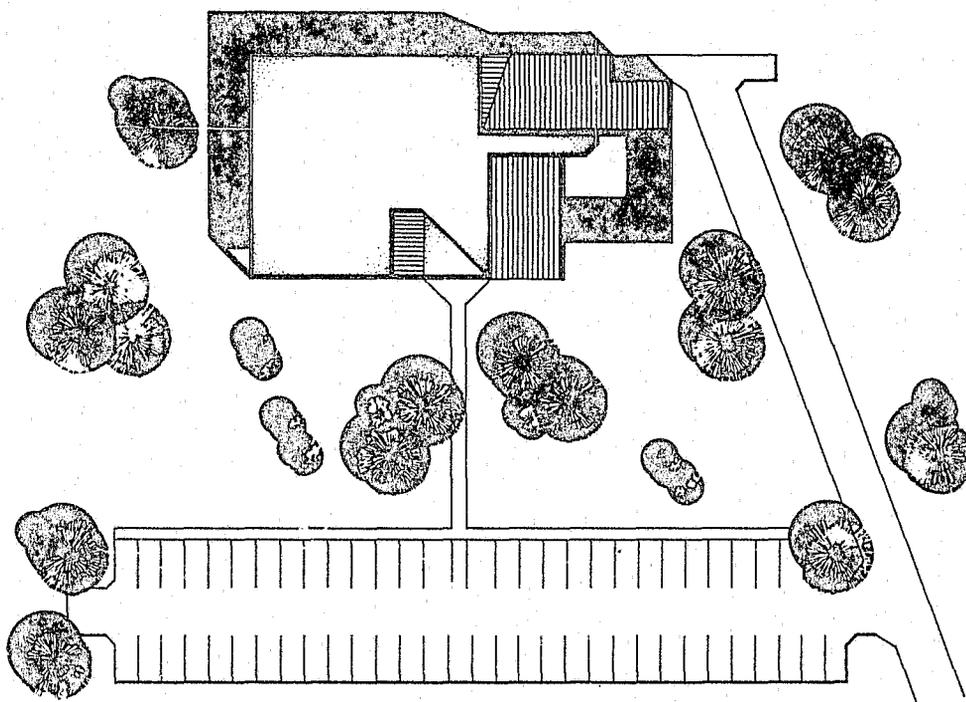
Wyoming County, Tunkhannock

**Contact:** Sheriff Robert Tauesdale, Wyoming County Jail, Tunkhannock, PA 18657, 717-836-3200

**Architect:** L. Robert Kimball & Associates, 615 West Highland Avenue, Ebensburg, PA 15931, 814-472-7700

**Construction manager:** None

<p><b>Groundbreaking:</b> October 1984 <b>Finish date:</b> January 1986 <b>Construction time:</b> 16 months</p>	<p><b>Design capacity:</b> 50 <b>Total cost:</b> \$2,460,895 <b>Total annual operating costs:</b> \$238,000 (projected)</p>	<p><b>Category:</b> New, independent facility <b>Facility type:</b> County jail <b>Building configuration:</b> Integrated structure</p>
<p><b>Costs</b></p> <p>Total: \$2,460,895 Building only: \$2,404,694 Housing area: Unknown Housing per inmate: Unknown Housing per cell: Unknown Total per inmate: \$49,218 Total per GSF: \$170.90 Total annual operating costs: \$238,000 (projected)</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 14,400 Gross square feet/other: 0 Gross square feet/total: 14,400 Housing area square feet: 6,960 Gross square feet per inmate: 288 Size of cells: 60 to 80 square feet (double) Net/gross square feet: Unknown</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod Cells per unit: 4 to 6 Inmates per unit: 8 to 12 Management type: Remote surveillance October 1985 population: N/A Facility commitment: Local jail inmates Means to handle crowding: None</p>
<p><b>Security</b></p> <p>Perimeter: Building exterior only Inmate security level: Maximum: 10% Medium: 70% Minimum: 20%</p>	<p><b>Construction type</b></p> <p>Structural: Steel frame Exterior walls: Brick Interior walls: CMU block Exterior surface/facade: Brick</p>	<p><b>Construction process</b></p> <p>Finance method: G.O. Bonds Contract method: Conventional Use of inmate labor: None Use of prefabrication: None</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel Doors/type: Sliding Doors/locking: Motor driven and remote locking Floor surface: Sealed concrete Intercom: Two-way to cells and common areas HVAC: Air conditioning; steam heating plant Plumbing: Stainless steel Furniture: Steel Fire protection: Smoke detectors and sprinklers for cells and common areas; manual alarm stations; smoke ejectors</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 0 Double occupancy: 40 Dorms: 8 Other: 0 Special housing: 2 General population: 48 Total: 50</p> <p><b>Current staff</b></p> <p>Full-time equivalent: Administration: 2 Security: 16 Programs/treatment: 0 Maintenance: 5 Total: 23 Current inmate/staff ratio: N/A</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs: Positive: Simple construction methods, repetitiveness of design Negative: High labor costs; difficult site conditions</p> <p>Factors affecting time schedule: Positive: Simple construction methods, repetitiveness of design; coordination of design, construction/owner Negative: Weather problems</p>



**Clemson Police Department (Remodel)**

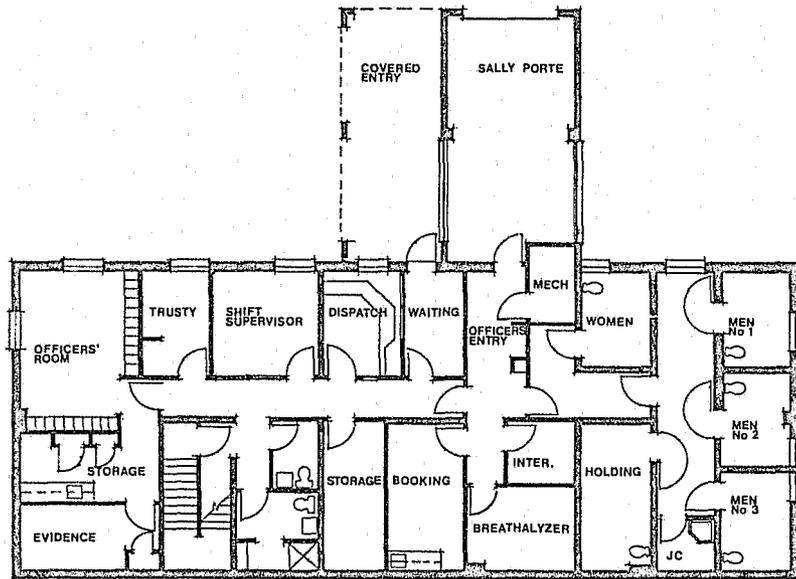
Responsible official: Chief Johnson Link

**South Carolina**

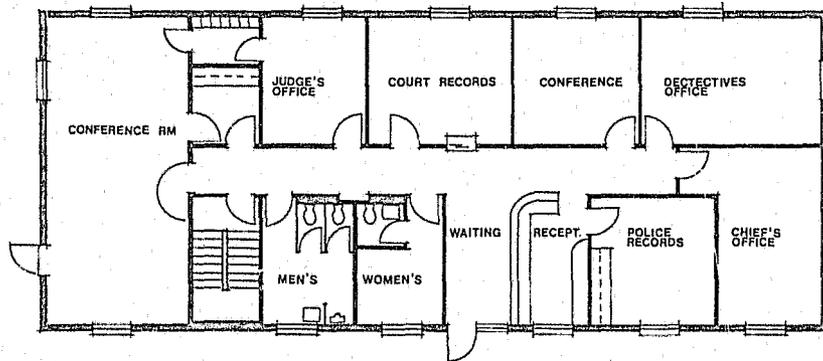
Clemson

**Contact:** Chief Johnson Link, Clemson Police Department, P.O. Box 1566, Clemson, SC 29633, 803-654-5636**Architect:** Louis P. Batson III, Arch. Inc., 110 Williams Street, Greenville, SC 29601, 803-233-2232**Construction manager:** None

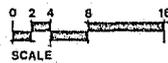
<p><b>Groundbreaking:</b> September 1984  <b>Finish date:</b> June 1985  <b>Construction time:</b> 9 months</p>	<p><b>Design capacity:</b> 13  <b>Total cost:</b> \$134,000  <b>Total annual operating costs:</b> \$600,000</p>	<p><b>Category:</b> Remodeling/renovation; phased project (past)  <b>Facility type:</b> Complex: city jail; law enforcement  <b>Building configuration:</b> Integrated structure</p>
<p><b>Costs</b></p> <p>Total: \$134,000  Building only: N/A (remodel)  Housing area: Unknown  Housing per inmate: Unknown  Housing per cell: Unknown  Total per inmate: N/A (complex)  Total per GSF: \$22.71  Total annual operating costs: \$600,000</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 1,000  Gross square feet/other: 4,900  Gross square feet/total: 5,900  Gross square feet per inmate: 77  Size of cells: 70 square feet (single)  Net/gross square feet: 78%</p> <p><b>Construction type</b></p> <p>Structural: Steel frame  Exterior walls: CMU block  Interior walls: CMU block  Exterior surface/facade: Stucco; paint</p>	<p><b>Inmate housing areas</b></p> <p>Design: Linear, outside  Cells per unit: 6  Inmates per unit: 12  Management type: Remote surveillance  October 1985 population: 2  Facility commitment: Local jail inmates  Means to handle crowding: County jail</p>
<p><b>Security</b></p> <p>Perimeter: Building exterior only  Inmate security level:  Maximum: 0  Medium: 100%  Minimum: 0</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 5  Double occupancy: 0  Dorms: 0  Other: 7  Special housing: 1  General population: 12  Total: 13</p> <p><b>Current staff</b></p> <p>Full-time equivalent:  Administration: 1  Security: 25  Programs/treatment: 0  Maintenance: 0  Total: 26  Current inmate/staff ratio: .08:1</p>	<p><b>Construction process</b></p> <p>Finance method: Local funds  Contract method: Conventional  Use of inmate labor: None  Use of prefabrication: None</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel  Doors/type: Swinging  Doors/locking: Manual locking  Floor surface: Sealed concrete  Intercom: One-way to cells  HVAC: Air conditioning; heating/air circulation; heat pumps  Plumbing: Stainless steel  Furniture: Steel  Fire protection: Smoke detectors for cells and common areas; manual alarm stations</p>		<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs:  Positive: Simple construction methods, repetitiveness of design; good competition, favorable market; cooperation of South Carolina Department of Corrections  Negative: Slow construction, lengthy building time (default of original contractor)  Factors affecting time schedule:  Positive: Simple construction methods, repetitiveness of design; coordination of design, construction/owner  Negative: Slow responses and delivery from vendors, suppliers (due to previous contractor problems)</p>



LOWER LEVEL PLAN



UPPER LEVEL PLAN



# Fayette County Detention Center

Responsible official: Sheriff Vastine Koopmann

Texas

Fayette County, La Grange

**Contact:** Sheriff Vastine Koopmann, Fayette County Detention Center, P.O. Box 112, La Grange, TX 78945, 409-968-5856  
**Architect:** Edward Mattingly Associates, Inc., P.O. Box 576, La Grange, TX 78945, 409-968-5163  
**Construction manager:** None

<p><b>Groundbreaking:</b> July 1984  <b>Finish date:</b> August 1985  <b>Construction time:</b> 13 months</p>	<p><b>Design capacity:</b> 61  <b>Total cost:</b> \$1,455,000  <b>Total annual operating costs:</b> Unknown</p>	<p><b>Category:</b> New, independent facility  <b>Facility type:</b> Complex: county jail, State Department of Public Safety; Justice of Peace  <b>Building configuration:</b> Integrated structure</p>
<p><b>Costs</b></p> <p>Total: \$1,455,000          Building only: \$1,295,000          Housing area: \$700,000          Housing per inmate: \$11,475          Housing per cell: \$25,000          Total per inmate: N/A (complex)          Total per GSF: \$105.34          Total annual operating costs: Unknown</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 13,812          Gross square feet/other: 0          Gross square feet/total: 13,812          Housing area square feet: 6,724          Gross square feet per inmate: 226          Size of cells: 40 square feet (single); 332 square feet (dorm)          Net/gross square feet: 88%</p>	<p><b>Inmate housing areas</b></p> <p>Design: Radial          Cells per unit: 24          Inmates per unit: 46          Management type: Direct supervision; remote surveillance          October 1985 population: 35          Facility commitment: Local jail inmates; State prisoners; Federal prisoners          Means to handle crowding: None</p>
<p><b>Security</b></p> <p>Perimeter: Building exterior only          Inmate security level:              Maximum: 40%              Medium: 55%              Minimum: 5%</p>	<p><b>Construction type</b></p> <p>Structural: Load bearing CMU          Exterior walls: CMU block, fluted and stucco          Interior walls: CMU block and steel          Exterior surface/facade: Stucco; fluted CMU</p>	<p><b>Construction process</b></p> <p>Finance method: Certificates of Obligation by county          Contract method: Conventional          Use of inmate labor: None          Use of prefabrication: Limited, prefabricated steel detention equipment</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel          Doors/type: Swinging; sliding          Doors/locking: Motor driven and remote locking          Floor surface: Sealed concrete          Intercom: Two-way to cells and common areas          HVAC: Air conditioning; small air cooled split system heat pumps          Plumbing: Stainless steel          Furniture: Steel          Fire protection: Smoke detectors for cells and common areas; manual alarm station; positive smoke removal system</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 18          Double occupancy: 4          Dorms: 8          Other: 16          Special housing: 15          General population: 46          Total: 61</p> <p><b>Current staff</b></p> <p>Full-time equivalent:              Administration: 5              Security: 15              Programs/treatment: 2              Maintenance: 0              Total: 23          Current inmate/staff ratio: 1.52:1</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs:          Positive: Use of prefabricated components for cell areas; load bearing CMU firewalls, steel joists, metal deck, B. U. roof, insulated; good competition; less expensive materials and hardware; innovative planning          Negative: Complex electronic, mechanical, and electrical systems, and smoke removal system; strict local codes          Factors affecting time schedule:          Positive: Steel modular single cells; simple construction methods; cooperation between county and State officials          Negative: Slow delivery of detention equipment; weather problems</p>

(No floorplan available at time of publication)

# Federal Correctional Institution

Responsible official: Warden Larry Kerr

Texas

Bastrop

**Contact:** Warden Larry Kerr, Federal Correctional Institution, Bastrop, TX 78602, 512-321-3903  
**Architect:** CRS Group, 1111 West Loop Street, P.O. Box 22427, Houston, TX 77027, 713-552-2000  
**Construction manager:** Robert E. McGee, Inc., 2608 Inwood Road, Dallas, TX 75235, 214-357-4381

<p><b>Groundbreaking:</b> September 1976  <b>Finish date:</b> August 1979  <b>Construction time:</b> 35 months</p>	<p><b>Design capacity:</b> 501  <b>Total cost:</b> \$10,950,000  <b>Total annual operating costs:</b>          \$7,284,000</p>	<p><b>Category:</b> New, independent facility  <b>Facility type:</b> Federal prison  <b>Building configuration:</b> Campus style</p>
<p><b>Costs</b></p> <p>Total: \$10,950,000          Building only: \$10,550,000          Housing area: Unknown          Housing per inmate: Unknown          Housing per cell: Unknown          Total per inmate: \$21,856          Total per GSF: \$54.49          Total annual operating costs: \$7,284,000</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 200,950          Gross square feet/other: 0          Gross square feet/total: 200,950          Housing area square feet: Unknown          Gross square feet per inmate: 401          Size of cells: Unknown          Net/gross square feet: 74%</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod          Cells per unit: 112          Inmates per unit: 112          Management type: Direct supervision          October 1985 population: 620          Facility commitment: Federal prisoners          Means to handle crowding: Bunk beds in cell</p>
<p><b>Security</b></p> <p>Perimeter: Double fence; alarm/detection system          Inmate security level:          Maximum: 0          Medium: 100%          Minimum: 0</p>	<p><b>Construction type</b></p> <p>Structural: Load bearing reinforced masonry; wood trusses; concrete          Exterior walls: Load bearing masonry          Interior walls: Load bearing masonry          Exterior surface/facade: Rough-saw cedar</p>	<p><b>Construction process</b></p> <p>Finance method: Federal funds          Contract method: Construction management fast track          Use of inmate labor: None          Use of prefabrication: None</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel          Doors/type: Swinging          Doors/locking: Manual locking          Floor surface: Vinyl tile          Intercom: None          HVAC: Air conditioning          Plumbing: China          Furniture: Wood          Fire protection: Smoke detectors in common areas</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 460          Double occupancy: 0          Dorms: 0          Other: 0          Special housing: 41          General population: 460          Total: 501</p> <p><b>Current staff</b></p> <p>Full-time equivalent:          Administration: 4          Security: 107          Programs/treatment: 10          Maintenance: 19          Total: 140          Current inmate/staff ratio: 4.43:1</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs:          Positive: Unknown          Negative: Unknown</p> <p>Factors affecting time schedule:          Positive: Unknown          Negative: Demolition of existing structures; site and utility work</p>

(No floorplan available at time of publication)

# Hunt County Criminal Justice Center

Responsible official: Sheriff Bobby Young

Texas

Hunt County, Greenville

**Contact:** Sheriff Bobby Young, Hunt County Criminal Justice Center, P.O. Box 226, Greenville, TX 75401, 214-455-3502  
**Architect:** Hobbs/Wiginton/Fawcett—Architects & Planners, Suite 2, 3511 Cedar Springs, Dallas, TX 75219, 214-855-5155  
**Construction manager:** North Texas Construction Company, 4100 Frisco Road, Sherman, TX 75090, 214-893-4362

<p><b>Groundbreaking:</b> December 1982 <b>Finish date:</b> June 1984 <b>Construction time:</b> 19 months</p>	<p><b>Design capacity:</b> 109 <b>Total cost:</b> \$2,845,000 <b>Total annual operating costs:</b> \$256,200 (jail only)</p>	<p><b>Category:</b> New, independent facility <b>Facility type:</b> Complex: county jail, law enforcement, courts <b>Building configuration:</b> Courtyard</p>
<p><b>Costs</b></p> <p>Total: \$2,845,000 Building only: Unknown Housing area: \$2,000,000 Housing per inmate: \$27,027 Housing per cell: \$45,455 Total per inmate: N/A (complex) Total per GSF: \$86.74 Total annual operating costs: \$256,200 (jail only)</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 23,800 Gross square feet/other: 9,000 Gross square feet/total: 32,800 Housing area square feet: 18,680 Gross square feet per inmate: 218 Size of cells: 72 square feet (single) Net/gross square feet: 85%</p>	<p><b>Inmate housing areas</b></p> <p>Design: Courtyard Cells per unit: 8 Inmates per unit: 8 Management type: Remote surveillance October 1985 population: 61 Facility commitment: Local jail inmates Means to handle crowding: None necessary</p>
<p><b>Security</b></p> <p>Perimeter: Building exterior only Inmate security level: Maximum: 30% Medium: 30% Minimum: 40%</p>	<p><b>Construction type</b></p> <p>Structural: Cast-in-place concrete frame Exterior walls: Brick Interior walls: Glazed structural tile Exterior surface/facade: Brick</p>	<p><b>Construction process</b></p> <p>Finance method: G.O. Bonds Contract method: Construction management Use of inmate labor: None Use of prefabrication: None</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel Doors/type: Sliding Doors/locking: Remote locking only Floor surface: Sealed concrete Intercom: Two-way to cells HVAC: Air conditioning Plumbing: Stainless combination unit Furniture: Steel Fire protection: Smoke detectors for cells and common areas</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 38 Double occupancy: 0 Dorms: 36 Other: 0 Special housing: 35 General population: 74 Total: 109</p> <p><b>Current staff</b></p> <p>Full-time equivalent: Administration: 1 Security: 14 Programs/treatment: 0 Maintenance: 1 Total: 16 (jail only) Current inmate/staff ratio: 3.81:1</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs: Positive: Simple construction methods, repetitiveness of design; good competition, favorable market Negative: Difficult site conditions; complex electronic, mechanical, and electrical systems</p> <p>Factors affecting time schedule: Positive: None Negative: Complex electronic, mechanical, and electrical systems</p>

(No floorplan available at time of publication)

# Smith County Jail

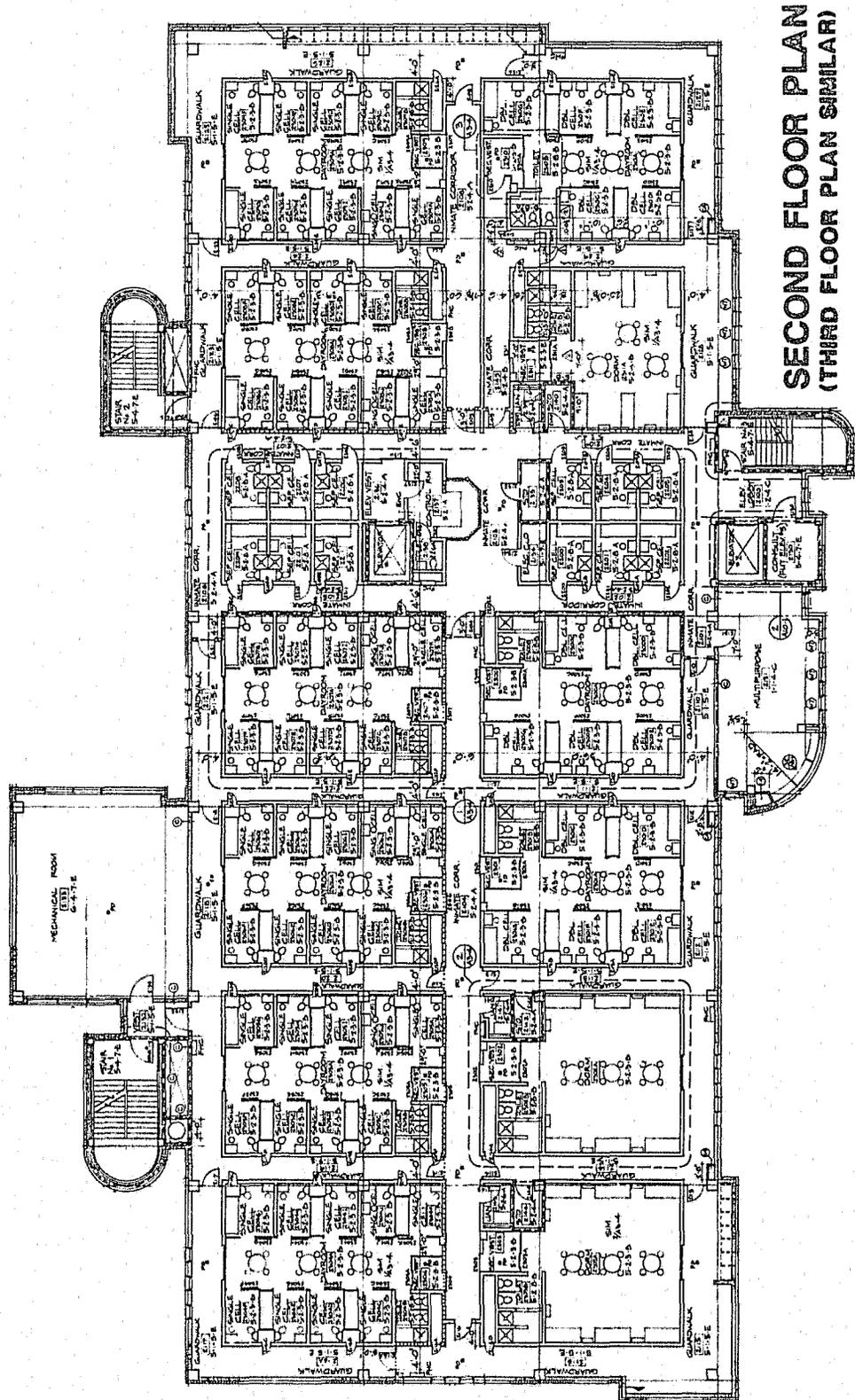
Responsible official: Sheriff J.B. Smith

Texas

Smith County, Tyler

**Contact:** Greg Wilson, Chief Jailer, Smith County Jail, Tyler, TX 75701, 214-595-4861  
**Architect:** Page Southerland Page, P.O. Box 2004, Austin, TX 78768, 512-472-6721  
**Construction manager:** None

<p><b>Groundbreaking:</b> November 1983 <b>Finish date:</b> January 1986 <b>Construction time:</b> 26 months</p>	<p><b>Design capacity:</b> 264 <b>Total cost:</b> \$8,000,000 <b>Total annual operating costs:</b> \$1,562,463</p>	<p><b>Category:</b> New, independent facility <b>Facility type:</b> County jail <b>Building configuration:</b> Integrated structure</p>
<p><b>Costs</b></p> <p>Total: \$8,000,000 Building only: \$7,200,000 Housing area: Unknown Housing per inmate: Unknown Housing per cell: Unknown Total per inmate: \$30,303 Total per GSF: \$93.79 Total annual operating costs: \$1,562,463</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 85,300 Gross square feet/other: 0 Gross square feet/total: 85,300 Housing area square feet: 51,400 Gross square feet per inmate: 323 Size of cells: 77 square feet (single); 123 (double); 790 (dorm) Net/gross square feet: Unknown</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod Cells per unit: 132 Inmates per unit: 132 Management type: Remote surveillance October 1985 population: N/A Facility commitment: Local jail inmates Means to handle crowding: Cots in dorm</p>
<p><b>Security</b></p> <p>Perimeter: Building exterior Inmate security level: Maximum: 100% Medium: 0 Minimum: 0</p>	<p><b>Construction type</b></p> <p>Structural: Cast-in-place concrete frame Exterior walls: Cast-in-place concrete Interior walls: Cast-in-place concrete; CMU block; brick Exterior surface/facade: Brick</p>	<p><b>Construction process</b></p> <p>Finance method: G.O. Bonds Contract method: Conventional Use of inmate labor: None Use of prefabrication: Limited; detention equipment</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel Doors/type: Sliding Doors/locking: Motor driven and remote locking Floor surface: Sealed concrete; vinyl tile Intercom: Two-way to cells HVAC: Air conditioning; boiler Plumbing: Stainless combination unit Furniture: Steel Fire protection: Smoke detectors for cells and common areas; sprinklers for common areas; manual alarm stations</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 108 Double occupancy: 60 Dorms: 72 Other: 0 Special housing: 24 General population: 240 Total: 264</p> <p><b>Current staff</b></p> <p>Full-time equivalent: Administration: 8 Security: 55 Programs/treatment: Volunteers Maintenance: County staff Total: 63 Current inmate/staff ratio: N/A</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs: Positive: Simple construction methods, repetitiveness of design; good competition, favorable market Negative: Slow construction; difficult site conditions; complex electronic, mechanical, and electrical systems</p> <p>Factors affecting time schedule: Positive: Simple construction methods, repetitiveness of design Negative: Slow responses and delivery from vendors, suppliers; weather problems; complex electronic, mechanical, and electrical systems</p>



**SECOND FLOOR PLAN**  
(THIRD FLOOR PLAN SIMILAR)

# St. Johnsbury Community Correctional Center

Responsible official: Superintendent Ray Pilette

Vermont

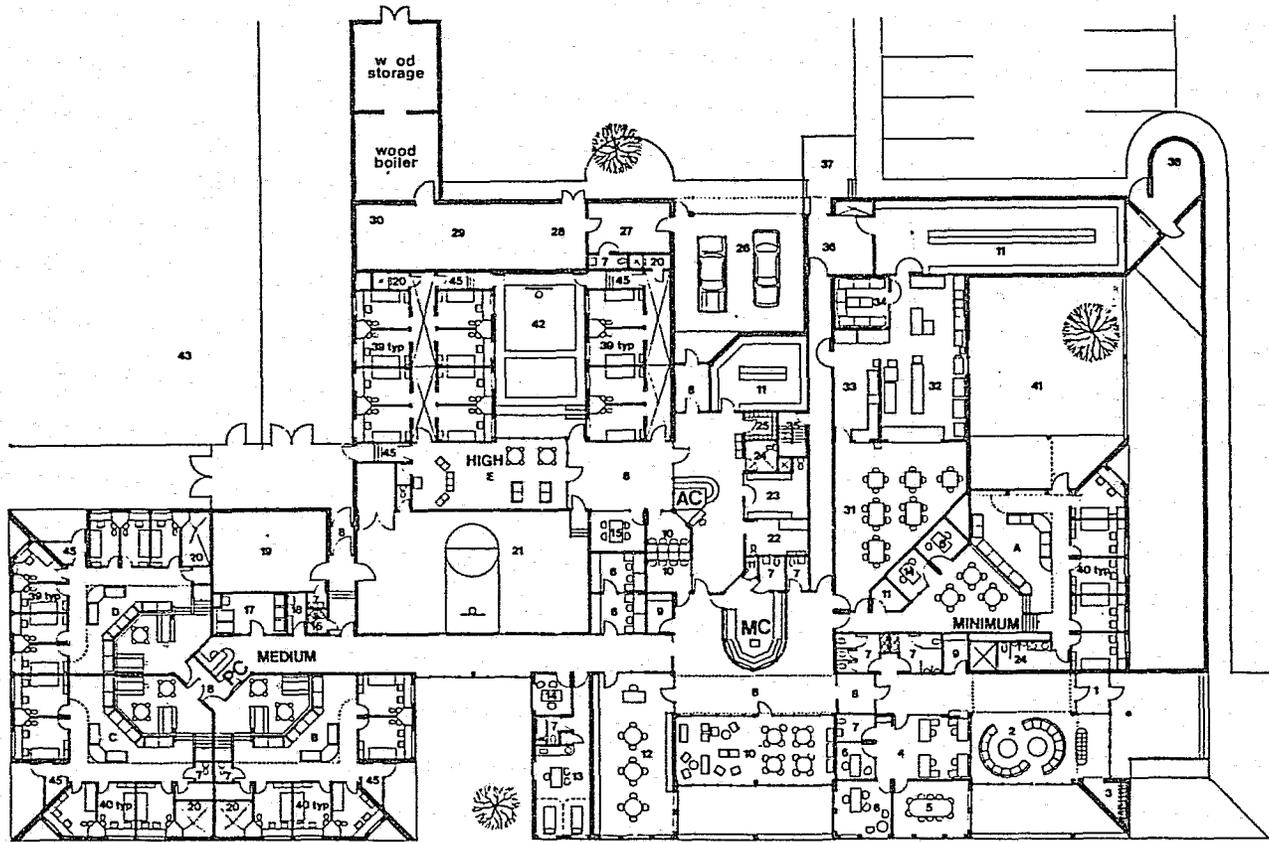
St. Johnsbury County, St. Johnsbury

**Contact:** Superintendent Ray Pilette, St. Johnsbury Community Correctional Center, Route 5 South, St. Johnsbury, VT 05819, 802-748-8151

**Architect:** Alexander/Truex/de Groot, 209 Battery Street, Burlington, VT 05401, 802-658-2775

**Construction manager:** None

<p><b>Groundbreaking:</b> November 1979  <b>Finish date:</b> November 1981  <b>Construction time:</b> 24 months</p>	<p><b>Design capacity:</b> 96  <b>Total cost:</b> \$4,200,000  <b>Total annual operating costs:</b>          \$1,588,173</p>	<p><b>Category:</b> New, independent facility  <b>Facility type:</b> County jail, State prison  <b>Building configuration:</b> Integrated structure</p>
<p><b>Costs</b></p> <p>Total: \$4,200,000          Building only: \$3,678,250          Housing area: \$3,500,000          Housing per inmate: \$38,043          Housing per cell: \$58,333          Total per inmate: \$43,750          Total per GSF: \$125.07          Total annual operating costs: \$1,588,173</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 33,580          Gross square feet/other: 0          Gross square feet/total: 33,580          Housing area square feet: 30,800          Gross square feet per inmate: 350          Size of cells: 96 square feet (max. sec.);          80 square feet (med.); 102 square feet (min.)          Net/gross square feet: 61%</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod          Cells per unit: 28          Inmates per unit: 40          Management type: Direct supervision          October 1985 population: 105          Facility commitment: State prisoners and local jail inmates          Means to handle crowding: Mattresses on floor; second bunk attached to wall</p>
<p><b>Security</b></p> <p>Perimeter: Building exterior only; fence for exercise yard          Inmate security level:          Maximum: 12%          Medium: 62%          Minimum: 24% (+ 2% other)</p>	<p><b>Construction type</b></p> <p>Structural: Cast-in-place load bearing concrete walls, floors, and ceilings          Exterior walls: Cast-in-place concrete; brick          Interior walls: Cast-in-place concrete; brick          Exterior surface/facade: Brick</p> <p><b>Inmate design capacity</b></p> <p>Single occupancy: 28          Double occupancy: 64          Dorms: 0          Other: 0          Special housing: 4          General population: 92          Total: 96</p>	<p><b>Construction process</b></p> <p>Finance method: State funds          Contract method: Conventional          Use of inmate labor: None          Use of prefabrication: Moderate; custom designed steel shaftways</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel          Doors/type: Swinging; sliding (max.)          Doors/locking: Remote locking and manual          Floor surface: Epoxy coating          Intercom: One-way to cells; two-way to common areas          HVAC: Heating/air circulation; heat wheel; oil/wood heating plant; two separate boilers          Plumbing: Stainless combination unit          Furniture: Steel          Fire protection: Smoke detectors for cells and common areas; fire mains and hoses; air pacs and portable extinguishers in control areas</p>	<p><b>Current staff</b></p> <p>Full-time equivalent:          Administration: 7          Security: 41          Programs/treatment: 15          Maintenance: 7          Total: 70          Current inmate/staff ratio: 1.5:1</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs:          Positive: Good competition, favorable market; large size          Negative: Long lead time plus slow delivery of security items; complex electronic, mechanical, and electrical systems; government procedures, regulations, "red tape"</p> <p>Factors affecting time schedule:          Positive: Advanced order of materials and hardware; coordination of design, construction/owner          Negative: Slow responses and delivery from vendors, suppliers</p>



- AC ADMISSIONS CONTROL
- MC MAIN CONTROL
- PC POD CONTROL
- A MINIMUM DAYROOM
- B MEDIUM DAYROOM
- C MEDIUM DAYROOM
- D MEDIUM DAYROOM
- E MAXIMUM DAYROOM
- 1 PUBLIC ENTRY
- 2 WAITING
- 3 COATS
- 4 ADMINISTRATION
- 5 CONFERENCE
- 6 OFFICE
- 7 TOILET
- 8 SALLYPORT
- 9 EXAM
- 10 VISITING
- 11 STORAGE
- 12 LIBRARY
- 13 MEDICAL
- 14 COUNSEL
- 15 ALL PURPOSE
- 16 ACCESS CHASE
- 17 LAUNDRY
- 18 JANITOR STORAGE
- 19 VOCATIONAL
- 20 SHOWER
- 21 GYMNASIUM
- 22 HANDICAP ROOM
- 23 HOLDING ROOM
- 24 TOILET/SHOWER
- 25 LOCKERS
- 26 GARAGE
- 27 MAINTENANCE OFFICE
- 28 MAINTENANCE SHOP
- 29 BOILER ROOM
- 30 COOLING TOWER
- 31 DINING
- 32 KITCHEN
- 33 DISHWASHING
- 34 FREEZER
- 35 STAIR
- 36 SHIPPING/RECEIVING
- 37 LOADING DOCK
- 38 TRANSFORMER
- 39 SINGLE INMATE ROOM
- 40 DOUBLE INMATE ROOM
- 41 MINIMUM RECREATION
- 42 HIGH RECREATION
- 43 MEDIUM RECREATION
- 44 CORRIDOR
- 45 EMERGENCY EXIT

MAIN FLOOR PLAN 1

# Roanoke City Jail

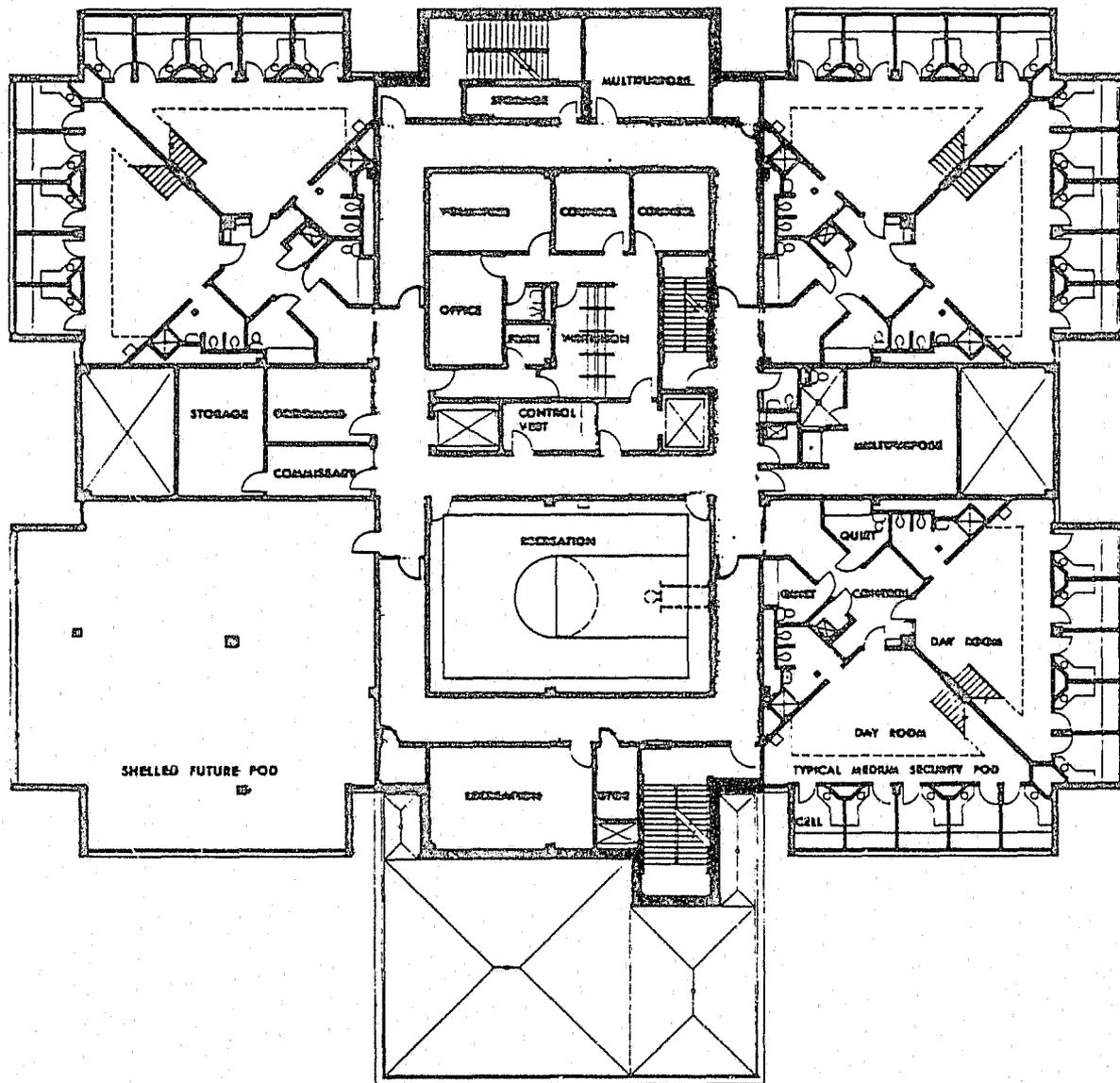
Responsible official: Sheriff W. Alvin Hudson

Virginia

Roanoke

**Contact:** Sheriff W. Alvin Hudson, Roanoke City Jail, 316 Campbell Avenue, Roanoke, VA 24016, 703-981-2721  
**Architect:** Hayes, Seay, Mattern and Mattern, P.O. Box 13446, 1315 Franklin Road SW., Roanoke, VA 24034, 703-343-6971  
**Construction manager:** None

<p><b>Groundbreaking:</b> July 1977  <b>Finish date:</b> July 1979  <b>Construction time:</b> 24 months</p>	<p><b>Design capacity:</b> 201  <b>Total cost:</b> \$5,813,110  <b>Total annual operating costs:</b>          \$2,573,363</p>	<p><b>Category:</b> New, independent facility; phased project (future)  <b>Facility type:</b> Complex: city jail and sheriff's office  <b>Building configuration:</b> Integrated structure</p>
<p><b>Costs</b></p> <p>Total: \$5,813,110          Building only: \$5,471,500          Housing area: \$1,924,934          Housing per inmate: \$11,458          Housing per cell: \$11,458          Total per inmate: N/A (complex)          Total per GSF: \$62.19          Total annual operating costs: \$2,573,363</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 80,554 (+ 8,110 future)          Gross square feet/other: 4,816          Gross square feet/total: 93,480          Housing area square feet: 32,888          Gross square feet per inmate: 401          Size of cells: 63 square feet (single)          Net/gross square feet: 51%</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod          Cells per unit: 20 per pod, 10 per dayroom          Inmates per unit: 20          Management type: Remote surveillance; TV; and rounds          October 1985 population: 192          Facility commitment: Local jail inmates          Means to handle crowding: Second bunk permanently attached to wall; beds in chapel</p>
<p><b>Security</b></p> <p>Perimeter: Building exterior only          Inmate security level:              Maximum: 18%              Medium: 40%              Minimum: 42%</p>	<p><b>Construction type</b></p> <p>Structural: Load bearing precast panels and cast-in-place frame          Exterior walls: Architectural precast          Interior walls: Precast panels; cast-in-place concrete; CMU block          Exterior surface/facade: Textured concrete</p>	<p><b>Construction process</b></p> <p>Finance method: Local funds          Contract method: Conventional          Use of inmate labor: None          Use of prefabrication: Extensive</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel          Doors/type: Sliding (max.); swinging (max. and min.)          Doors/locking: Remote locking (max.); manual and remote locking (max. and min.)          Floor surface: Epoxy coating          Intercom: Two-way to common areas          HVAC: Air conditioning; electric heating—electric resistance and electric terminal reheat          Plumbing: Stainless          Furniture: Steel          Fire protection: Manual alarm stations; smoke detectors in HVAC ducts</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 168          Double occupancy: 0          Dorms: 0          Other: 0          Special housing: 33          General population: 168          Total: 201</p> <p><b>Current staff</b></p> <p>Full-time equivalent:              Administration: 12              Security: 57              Programs/treatment: 11              Maintenance: 3              Total: 83          Current inmate/staff ratio: 2.31:1</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs:          Positive: Use of prefabricated components, factory assembly; simple construction methods, repetitiveness of design; good competition, favorable market; precast concrete exterior walls          Negative: Shelled space and provisions for future construction</p> <p>Factors affecting time schedule:          Positive: Use of prefabricated components, factory assembly; simple construction methods, repetitiveness of design; precast concrete exterior walls          Negative: None</p>



# Twin Rivers Corrections Center

Responsible official: Superintendent Tom Rolfs

Washington

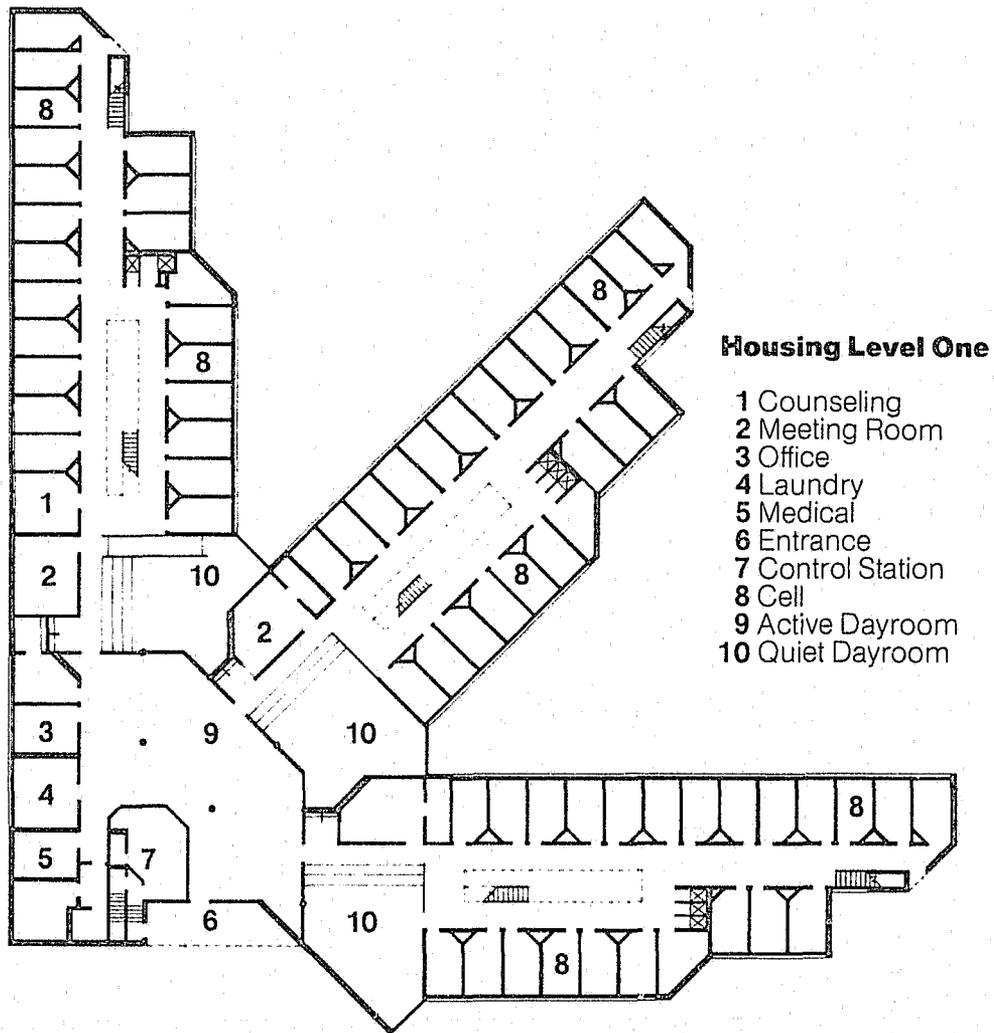
Monroe

**Contact:** Superintendent Tom Rolfs, Twin Rivers Corrections Center, P.O. Box 888, Monroe, WA 98272, 206-794-2515

**Architect:** Hellmuth, Obata & Kassabaum, Inc., One Lombard Street, San Francisco, CA 94111, 415-627-1600

**Construction manager:** None

<p><b>Groundbreaking:</b> May 1981 <b>Finish date:</b> March 1984 <b>Construction time:</b> 34 months</p>	<p><b>Design capacity:</b> 545 <b>Total cost:</b> \$25,500,000 <b>Total annual operating costs:</b> \$10,330,237</p>	<p><b>Category:</b> New, independent facility <b>Facility type:</b> State prison <b>Building configuration:</b> Wheel; campus</p>
<p><b>Costs</b></p> <p>Total: \$25,500,000 Building only: \$24,500,000 Housing area: \$13,000,000 Housing per inmate: \$25,000 Housing per cell: \$25,000 Total per inmate: \$46,789 Total per GSF: \$97.33 Total annual operating costs: \$10,330,237</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 262,000 Gross square feet/other: 0 Gross square feet/total: 262,000 Housing area square feet: 125,000 Gross square feet per inmate: 481 Size of cells: 80 square feet (single) Net/gross square feet: 95%</p>	<p><b>Inmate housing areas</b></p> <p>Design: Linear, outside Cells per unit: 125 Inmates per unit: 125 Management type: Remote surveillance; patrols October 1985 population: 524 Facility commitment: State prisoners Means to handle crowding: Second bunk permanently attached to wall</p>
<p><b>Security</b></p> <p>Perimeter: Double fence; alarm/detection system; razor wire on fence Inmate security level: Maximum: 5% Medium: 95% Minimum: 0</p>	<p><b>Construction type</b></p> <p>Structural: Cast-in-place concrete frame Exterior walls: CMU block Interior walls: CMU block Exterior surface/facade: Dry-Vit</p>	<p><b>Construction process</b></p> <p>Finance method: State funds Contract method: Conventional Use of inmate labor: None Use of prefabrication: None</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel Doors/type: Swinging Doors/locking: Remote locking only Floor surface: Integral color concrete Intercom: One-way to cells; two-way to common areas HVAC: Heating/air circulation only Plumbing: Stainless Furniture: Painted steel—custom designed Fire protection: Smoke detectors and sprinklers for cells</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 500 Double occupancy: 0 Dorms: 0 Other: 20 Special housing: 25 General population: 520 Total: 545</p> <p><b>Current staff</b></p> <p>Full-time equivalent: Administration: 22.5 Security: 163 Programs/treatment: 39.5 Maintenance: 27 Total: 252 Current inmate/staff ratio: 2.08:1</p>	<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs: Positive: Advanced correctional concepts; coordination of value engineering by architect and owner Negative: None</p> <p>Factors affecting time schedule: Positive: None Negative: Slow responses and delivery from vendors, suppliers; weather problems</p>



# Whitman County Correctional Facility

Responsible official: Sheriff Cleve Hunter

Washington

Whitman County, Colfax

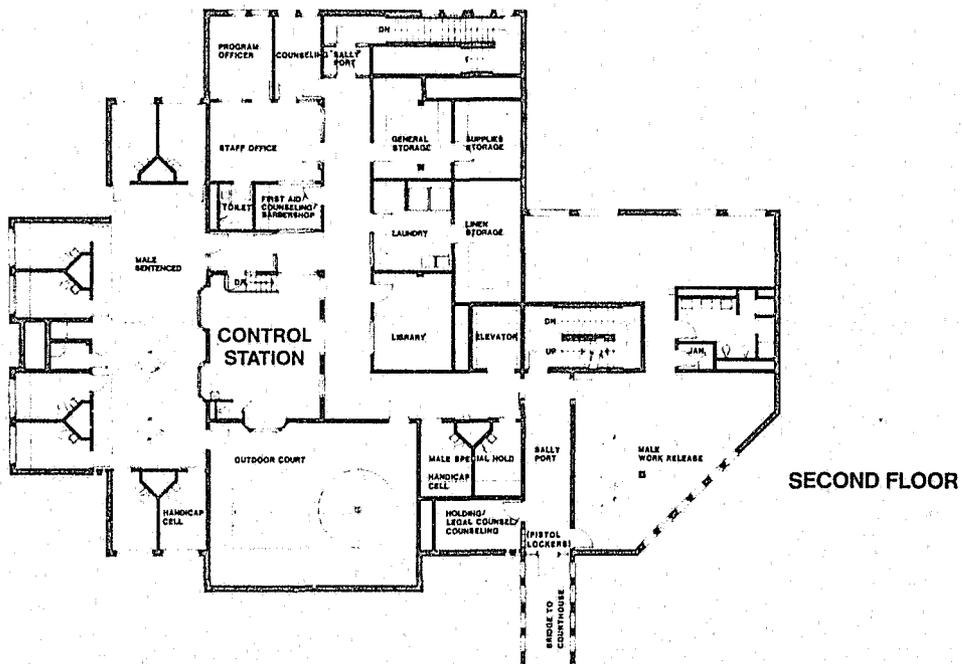
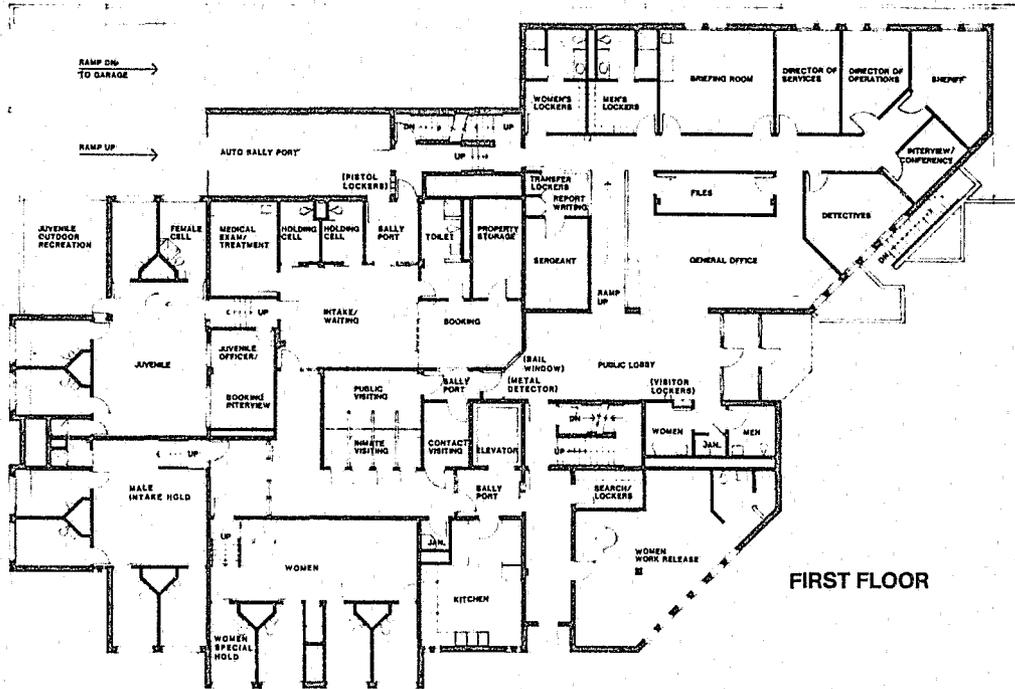
**Contact:** Captain Richard Lally, Facility Commander, Whitman County Correctional Facility, Colfax, WA 99111, 509-397-4262

**Architect:** Northwest Architectural Company, West 1203 Riverside, Spokane, WA 99201, 509-838-8240

**Justice design consultant:** The Gruzen Partnership, 251 Post Street, San Francisco, CA 94108, 415-956-5515

**Construction manager:** None

<p><b>Groundbreaking:</b> October 1982 <b>Finish date:</b> April 1984 <b>Construction time:</b> 18 months</p>	<p><b>Design capacity:</b> 38 <b>Total cost:</b> \$3,000,000 <b>Total annual operating costs:</b> \$330,000</p>	<p><b>Category:</b> New, independent facility <b>Facility type:</b> Complex: county jail, county sheriff, county offices <b>Building configuration:</b> Integrated structure</p>
<p><b>Costs</b></p> <p>Total: \$3,000,000 Building only: \$2,900,000 Housing area: \$1,027,010 Housing per inmate: \$27,027 Housing per cell: \$42,792 Total per inmate: N/A (complex) Total per GSF: \$106.19 Total annual operating costs: \$330,000</p>	<p><b>Dimensions</b></p> <p>Gross square feet/corrections: 16,660 Gross square feet/other: 11,590 Gross square feet/total: 28,250 Housing area square feet: 5,900 Gross square feet per inmate: 438 Size of cells: 75 square feet (single) Net/gross square feet: 61%</p> <p><b>Construction type</b></p> <p>Structural: Cast-in-place concrete frame Exterior walls: Cast-in-place concrete; CMU block Interior walls: Cast-in-place concrete; CMU block Exterior surface/facade: Insulated plaster system</p>	<p><b>Inmate housing areas</b></p> <p>Design: Module/pod Cells per unit: 2 to 8 Inmates per unit: 2 to 8 Management type: Remote surveillance October 1985 population: 32 Facility commitment: Local jail inmates Means to handle crowding: None</p>
<p><b>Security</b></p> <p>Perimeter: Building exterior only Inmate security level: Maximum: 5% Medium: 53% Minimum: 42%</p>	<p><b>Inmate design capacity</b></p> <p>Single occupancy: 22 Double occupancy: 0 Dorms: 16 Other: 0 Special housing: 0 General population: 38 Total: 38</p> <p><b>Current staff</b></p> <p>Full-time equivalent: Administration: 1 Security: 10 Programs/treatment: 1 Maintenance: 0 Total: 12 Current inmate/staff ratio: 2.67:1</p>	<p><b>Construction process</b></p> <p>Finance method: State funds; county levy Contract method: Conventional Use of inmate labor: None Use of prefabrication: None</p>
<p><b>Inmate cells</b></p> <p>Doors/material: Steel Doors/type: Swinging Doors/locking: Remote locking only Floor surface: Sealed concrete Intercom: Two-way to common areas HVAC: Heating/air circulation only; gas-fired heating plant; central boiler Plumbing: Stainless; china Furniture: Steel Fire protection: Smoke detectors and sprinklers for cells and common areas</p>		<p><b>Architect's reported analyses</b></p> <p>Factors affecting construction costs: Positive: Good competition, favorable market Negative: Difficult site conditions (very tight site, poor soil bearing capacity, high water table); complex electronics/computer system and hard-wired locking system</p> <p>Factors affecting time schedule: Positive: Design coordinated with minimum changes by owner; contractor's efficient construction process Negative: Weather problems (winter); complex electronics system</p>



Appendix A  
Reference: Architects and  
construction managers

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