

## **Overview of the Operational / Architectural Program**

Central to the selection of a prison site, as well as the design and operation of a new correctional facility, is the development of an Operational and Architectural Program. That program document serves as a blueprint for a design architect. It specifies and describes how the prison will be operated in each of its major components. That information ensures that the designer will include the proper amount of space for each of those functions and arranges/clusters them to maximize operational efficiencies and minimize construction and operational costs. Just as importantly, the prison site can be properly specified to meet the needs and requirements of the prison.

Specifically, the activities that will occur within each functional component of the prison will be described. The number of inmates and staff engaged in that function/activity, the hours and days that function will be operating, the furnishing/equipment required, and the relationship of that function to other functions will be specified. Based on that information, the amount and type of space required for each function can be estimated. From those space estimations, the required size of the prison site can be determined.

Not only will the answers to these questions help to ensure that the eventually selected sites will work, but the information can also be used to convey to the public the rationale for selecting the site(s) for the prison(s). More specifically those answers will provide the State with valuable information it can use to convey how the Department will meet its obligations to protect the public while offenders are incarcerated, and at the same time how the site(s) will provide the Department with the tools and resources to return offenders to the community so that they are less likely to recidivate.

The team will conduct a thorough and systematic evaluation of the architectural needs for any future prison(s) design. The goal of this work will be to ensure that future design and construction meet the basic requirements and needs of the State of Utah, the Department of Corrections as well as industry standards and help ensure an efficient productive prison operation. A well-conceived architectural program will lead to a high-quality design.

As part of the process of developing the Operational and Architectural Program, we will conduct the following tasks. We will:

- Estimate future custody level distributions of both the male and female inmate populations;
- Work with the Department of Corrections to develop mission statements for the new prison(s).

- Conduct small group meetings with Department staff to specify program goals, objectives and desired outcomes for each major component of contemplated new prisons.
- Work with the Department of Corrections and other state agencies to identify number and type of inmates to be housed at each facility, amount of programming desired and other desired operational practices.
- From the data collected, determine with the Department the optimum size(s) and desired configuration(s) of any new prison(s);
- Review and study existing Department of Corrections documents regarding current Department and prison policies and procedures;
- Gather and study relevant state and department operational mandates, laws, standards and rules;
- Prepare materials for discussion at small group meetings with DOC staff;
- Collect data from the DOC on current levels of activity and use for each functional component;
- Involve architectural firm developing the architectural program to ensure consistency of findings and required data is captured for architectural program.
- Identify DOC staff to participate in small group meetings to develop operational needs and requirements;
- Plan and conduct small group meetings;
- Prepare and submit the Operational and Architectural Program, which will include:
  - a. ***The type and number of spaces by Department:*** Each space (or room) in the facility will be identified by name and number and categorized by Department.
  - b. ***Net spatial requirements on a room by room basis:*** Each space in Task 1 will be analyzed for function and assigned a size. For example Cell, #201: Male Medium Housing; 80SF.
  - c. ***Outline of security zones and identify security parameters:*** Security parameters such as the level of security for various custody level inmate functions will be defined. The types of security barriers (walls, doors, ceilings etc.) will be indicated by security level. The cost of security component varies widely depending on the custody level and type of inmate
  - d. ***Required functional/space Adjacencies:*** Each department (Administration, Food Service, Receiving, Recreation, etc.) will be depicted in an overall project adjacency diagram showing the interrelationship of each department, the circulation between departments and the adjacency requirements of the departments.
  - e. ***Meeting applicable State and Industry Standards:*** The sizes and configuration of all spaces will be coordinate to reflect the

requirements of the Department of Corrections and applicable industry standards.

- f. **Mechanical Planning Requirements:** This task will record the overall interior building environment requirements such as what areas are air-conditioned vs. ventilated, negative air systems for medical rooms and the like.
- g. **Electrical Planning Requirements:** This task will record the overall electrical system characteristics such as which systems are on emergency generators, areas to receive secure lighting fixtures and the like.
- h. **Budget Analysis:** This task will provide an analysis of the project budget. It will include an estimate of probable construction cost. Probable construction cost will be based on cost per square foot of historical examples of similar prisons with extrapolation for location, micro market, time frame, size, type and complexity.

Based on the recommendations that result from the above work, develop the minimum acreage needed for the site or site(s). MGT will prepare conceptual sketches of a pro-typical prison for site testing purposes. The sketches will be schematic in nature with configuration and sizes of housing units and support areas based on historical examples.

Prepare a 3D exterior rendering of a prototypical prison. The rendering will not be based on a specific prison design but rather it will represent an artist's conception of how a prison might relate aesthetically to the surrounding environment. The type of facility; i.e. a campus style or a single building will be at the direction of the Utah Department of Corrections.