



Correctional Facilities

DC Engineering has been fortunate to enjoy a long standing position in the Detention and Security arena of design. Our experience ranges from minimum security and juvenile corrections to maximum security penitentiaries (close custody and IMU segregation) and mental health facilities. DC Engineering has become intimately acquainted with all the complications and protocol of designing law enforcement facilities. We have completed both new (ground-up) buildings and complicated renovations under both traditional design-bid-build and design-build contracts. We understand the importance of project constructability and coordination with other disciplines. Below are listed samples of the types of work we have accomplished.

Walla Walla State Penitentiary; Walla Walla, WA

Walla Walla North Closed Custody Expansion, a \$100,000,000 project, added 14 buildings, of which seven were LEED Silver Certified. These buildings included four new close custody buildings, an IMU Segregation building, and several support buildings including administration, visitations, hub and kitchen, sally ports, guard towers, and guard booths. DC Engineering's electrical design expanded the existing 12.47 kV primary power system to the new facilities. Design included lighting design, power design, and security raceway infrastructure. This design build project encompassed schematic design, design development, construction documentation and onsite construction assistance.

Ada County Jail Medical Unit Addition, Boise, ID

Provided electrical engineering for the 25,000 square foot 84 bed medical unit expansion. The project consisted of several dorms, wards, cells, and detox units intermixed with medical exam services. The design included interior lighting, power distribution, communication raceways, and interface with the security system designer.

Canyon County Holding Facility, Caldwell, ID

DC Engineering Provided electrical engineering for the new 224 bed minimum security holding facility. Design for the 28,000 square foot facility included interior lighting, power distribution, fire alarm, communication and security raceways.

Idaho Juvenile Corrections Center 24-Bed Expansion, Boise, ID

The security design included converting the existing control panel to a new touch screen system to control intercoms, doors, and cameras for both the existing and new portions of the building from a central location. The expansion included the addition of 16 new IP cameras along with numerous intercom and door controls for the 24 bed expansion, all of which could be monitored and controlled from the new touch screen system.

Idaho State Maximum Security Prison HVAC Upgrade; Boise, ID

This project included electrical and fire alarm design and construction administration services for the addition of HVAC systems in maximum-security housing. Services included investigation of existing electrical systems, integration with existing systems, and construction administration.