

MARICOPA COUNTY ADULT DETENTION AND CENTRAL SERVICES (LOWER BUCKEYE JAIL)

MARICOPA COUNTY, AZ

PROJECT DESCRIPTION:

The Lower Buckeye Jail portion of the project was designed to provide an 1,856 bed facility with the cells grouped into dayrooms that could be used to manage a diverse population of male and female remanded juveniles, psychiatric and special housing inmates, as well as pre-trial and sentenced inmates. The basic configuration is a six level tower for the normal population housing, and a separate two level wing for the juvenile, psychiatric and special housing inmates. Facility support areas for administrative, medical and intake services connect the two housing areas. Pneumatic locks and sliding doors controlled by touch screen control panels were used throughout the facility.

The Central Services portion of the project provides a central location for the Maricopa County to receive, store, process and distribute food and supplies to all correctional facilities in the County's system. A part of this "food factory" is a commercial kitchen and bakery capable of providing three meals every day for over 10,000 inmates.

ACSI'S RESPONSIBILITIES:

As part of the design team, ACSI assumed full responsibility for the documentation and design of the security control and communication systems to be installed in the facilities as a part of the new construction. ACSI also provided conduit and infrastructure design for the County to install the telecommunications and data networks and a video visitation system under separate contracts.



ACSI designed systems included in these projects are:

- Fully Integrated Security Control and Monitoring Systems
 - Door Control and Monitoring
 - CCTV Control for Movement
 - Intercom Control
 - Cell and Dayroom Lighting Control
 - Domestic Water Control
- CCTV Surveillance (separate Medical and Movement Systems)
- Multiple Intercom Systems
- 38 touch screen control panels and 4 graphic panels
- Fire Detection and Alarm System
- Nurse Call System in Medical Area
- Educational and Entertainment Television Distribution System
- Facility Wide Zoned Announcement Systems
- Distributed 800 mHz Antenna Radio Repeater System
- Conduit Systems for Telecommunications, Data and Video Visitation Systems separately installed by the County near the end of construction