



OKEECHOBEE COUNTY, FLORIDA

SHERIFF'S OFFICE & JAIL ADDITION / RENOVATION DESIGN & CONSTRUCTION PHASES

DESIGN PHASE

With Design Option "P" selected from the Master Plan, the County authorized Securitecture to complete the design for the entire addition and renovation project scope. The final design included renovation and expansion of the Sheriff's Office, Intake, Jail Administration, and two new Housing Pods and Kitchen + Laundry. The new, larger, 224-bed housing pods contain two classrooms as well as an indoor/outdoor recreation area, replacing existing antiquated, non-compliant housing pods. This approach was the foundation of the new design concept used for the facility.

DESIGN INNOVATIONS

Securitecture incorporated numerous jail housing and design innovations that significantly reduce construction costs, staffing requirements, and expense for ongoing operations and maintenance while increasing operational efficiency, security, and the speed of construction from start to finish. Some of these features include:

- A single, elevated control room for single-point control and observation.
- Industrialized building systems and components.
- Use of prefabricated modular steel cells, control room and toilet/shower components.
- Enhanced cell layout for greater security and less maintenance.
- "Double-Envelope" design with a continuous exterior mechanical chase.

The advantages of these innovations are plentiful and provide many short-term benefits as well as long-term features enhancing security and lowering operational and maintenance costs.

Single, Elevated Control Room:

The single, elevated control room increases visibility, enhances security, and reduces costs.

- Elevated approximately ten (10) feet above the floor allows for observation of:
 - All cell fronts, all dayrooms, inmate corridors.
 - Indoor and outdoor recreation areas.
 - Program and classroom areas.
- Allows observation of direct supervision floor officers and other control rooms.
- Less "attack-prone" and no blind spots.
- Reduces construction costs by reducing glass area and thickness.
- Allows for improved classification by eliminating cross-visibility of inmates.



Use of Industrialized Building Systems and Products:

The use of industrialized building systems and products helps save construction costs and speeds up the pace of construction. When combined with conventional construction, they can be cost-effective and secure. The use of pre-engineered building structures allow a column-free interior which help provide flexibility of design and easier adaptations in the future.

- Pre-engineered steel buildings.
- Prefabricated insulated wall panels.
- Modular components.
- Non-proprietary systems—off-the-shelf components.



Prefabricated Modular Steel Cells:

Prefabricated, modular steel cells (“boxes”) manufactured in a factory setting as opposed to using conventional construction offer significant cost and time advantages.

- Quality of “boxes” is superior and faster to construct:
 - Manufactured in controlled factory environment vs. on the construction site.
 - Manufactured off-site while on-site construction work progressing.
 - Arrives at construction site with all equipment installed & painted.
- Factory labor rates less expensive than field labor rates.
- “Boxes” have no seams so are more secure with cleaning/sanitation easier and faster; items like razor blades, etc., cannot be hidden.
- Interior finish of factory-built cell is superior to field-applied coatings, especially polyurea coatings available on modular steel cells.
- Lightweight “boxes” allows for reduced size of footings and foundations for lower costs.



Enhanced Cell Layouts:

Cell layouts are designed to reduce inmate movement, improve observation, increase security, and lessen maintenance costs.



- Shower in every cell reduces inmate movement in and out of cells, improves observation, and reduces MEP costs.
- All furnishings included: beds, table, stool, toilet, shower, mirror, shelves, hooks, light fixture, door, frame, lock, window, intercom.
- Reduces construction costs with all utilities already available in every cell—hot and cold water, sanitary drain, supply air vent, exhaust air vent, light fixtures.
- Stainless steel window is most secure and most maintenance-free.
- Special cell coatings are more durable with lower maintenance; seamless, so more easily cleaned and sanitized.

Double-Envelope Design with Continuous Rear Chase:

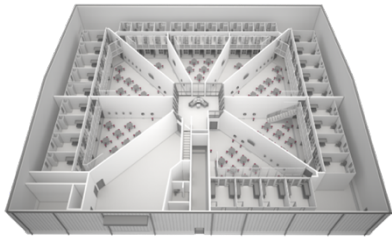
“Double-Envelope” design with a continuous rear chase saves money and makes the jail facility easier to maintain. The secure perimeter of the facility is actually the rear wall of the cell, with an environmental enclosure surrounding it. This allows for easier maintenance access and keeps maintenance staff completely separated from the inmate population.

- Secure perimeter is rear wall of the cell; exterior building wall is environmental enclosure, which does not need to be secure; doubles as observation corridor.
- Building exterior can look like any type of building; can blend in with community.
- Windows in cells do not align with exterior wall windows, preventing outside visual contact.
- Continuous rear plumbing chase for greater security; no inmate interaction or lockdowns.
- Easier access for maintenance; can be locally serviced.
- Maintenance staff and tools kept separate from inmate population.
- Potential solar energy systems for water and space heating; photovoltaics.





FINAL DESIGN SOLUTION



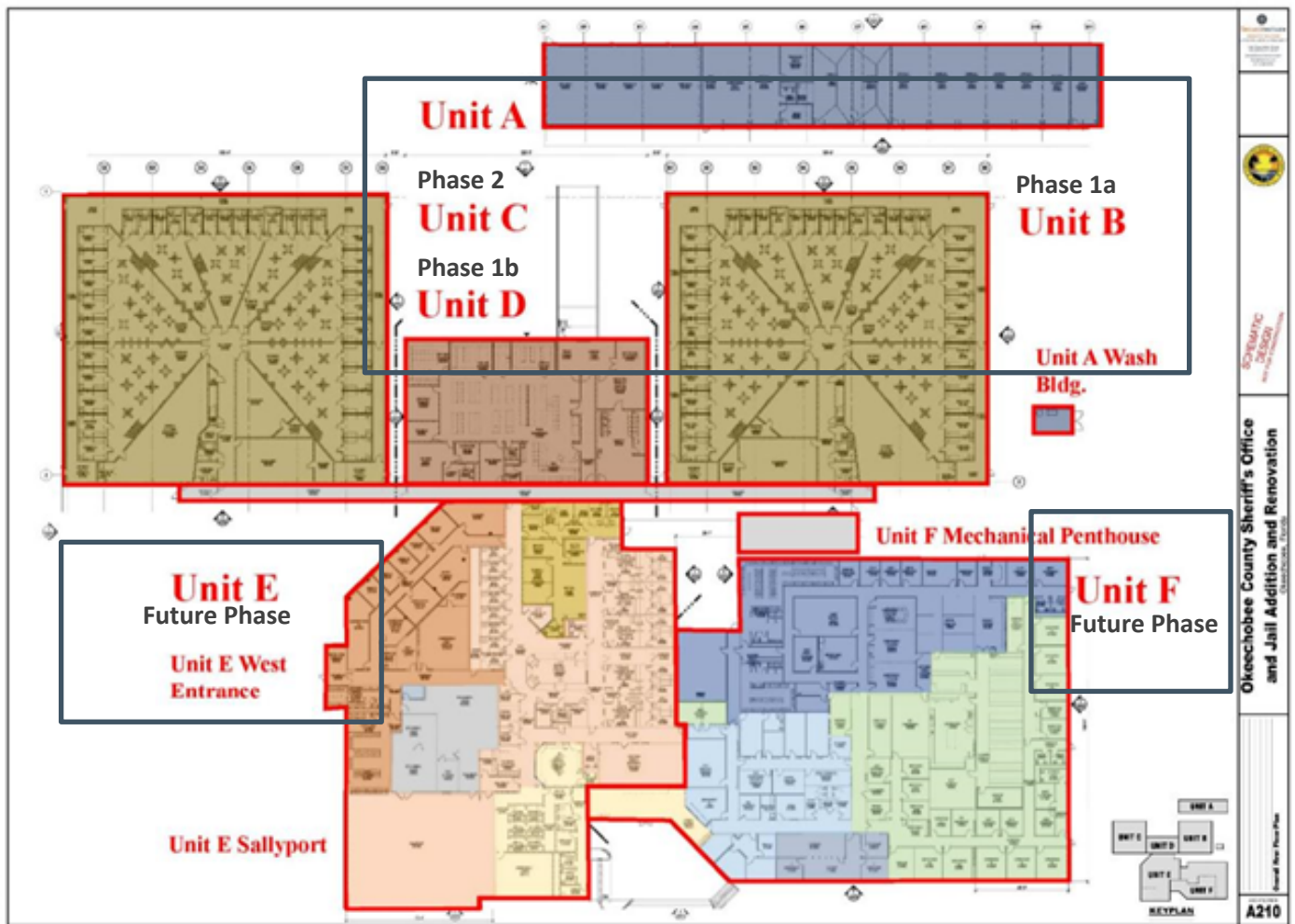
The new Jail renovation / addition design more than doubles capacity, from 231 to 492 beds, without adding a single staff position.

The final design encompasses a 181,411 s.f. renovation and addition solution, which meets the County’s 20- to 40-year corrections needs while improving every area of the facility.

The project is currently being constructed in phases as the County determines funding for the project. Phase 1a construction of the first housing pod is complete. Phase 1b construction of the Kitchen & Laundry is in progress, and Phase 2 construction of the 2nd housing pod has begun as of June, 2024. As phases are funded and authorized for construction, Securitecture issues the plans for permitting and construction for each individual construction phase.



Schematic Design Graphics—Overall Floor Plan:





CONSTRUCTION PHASE

Currently, Phase 1a (224-bed Housing Pod and the new Central Plant) is complete. Once construction is complete, inmates will vacate an old, existing Housing Pod and relocate into the new modern Housing Unit. The vacated Housing Pod was demolished to make way for the new Kitchen and Laundry Facilities (Phase 1b), and a second 224-bed Housing Pod (Phase 2).



Phase 1b (New Kitchen and Laundry) is currently under construction with a completion scheduled for September 2024. Phase 2 (224-bed Housing Pod) started construction in June 2024 with a scheduled completion in October 2025. The remainder of the project (Phase 3 Intake and Booking, Sheriff's Office, and Patrol Garage) will be funded and constructed in the near future as funding allows.

