

Analytics - Jail

Shiawasse County Jail Projection Modeling Jail Bookings, ALOS & ADP Projections: Detention

| Projection Models | 2028 | | | | | | 2038 | | | | | |
|-------------------|-----------------|----------------|------|------|------|------|-----------------|----------------|------|------|------|------|
| | Annual Bookings | Daily Bookings | ALOS | ADP | CF | Beds | Annual Bookings | Daily Bookings | ALOS | ADP | CF | Beds |
| Model 1: | 2,349 | 7.00 | 7 | 129 | 15% | 148 | 2,651 | 8.00 | 8 | 136 | 15% | 156 |
| Model 2: | 2,089 | 8.00 | 8 | 138 | 15% | 159 | 2,338 | 9.00 | 9 | 146 | 15% | 168 |
| Average | 2219 | 7.50 | 7.5 | 134 | 15% | 154 | 2,495 | 8.50 | 8.5 | 141 | 15% | 162 |
| <i>Notes:</i> | (1). | (2). | (1). | (3). | (4). | (5). | (1). | (2). | (1). | (3). | (4). | (5). |

Notes:

- (1). Projected Annual Bookings
- (2). Daily Booking = Annual Projected Bookings/365.
- (3). ADP = Daily Booking Projections.
- (4). Classification Factor (CF) = 15%.
- (5). Beds = ADP X CF

| | |
|--|---------------------|
| | 2028 Planning Model |
| | 2038 Planning Model |

| Total Beds Based Upon Projection Modeling | | | |
|---|------|-----|--------|
| Total Beds | Male | | Female |
| 160 | 76% | 122 | 24% 38 |
| 170 | 76% | 129 | 24% 41 |

- **Total Beds Recommendation**

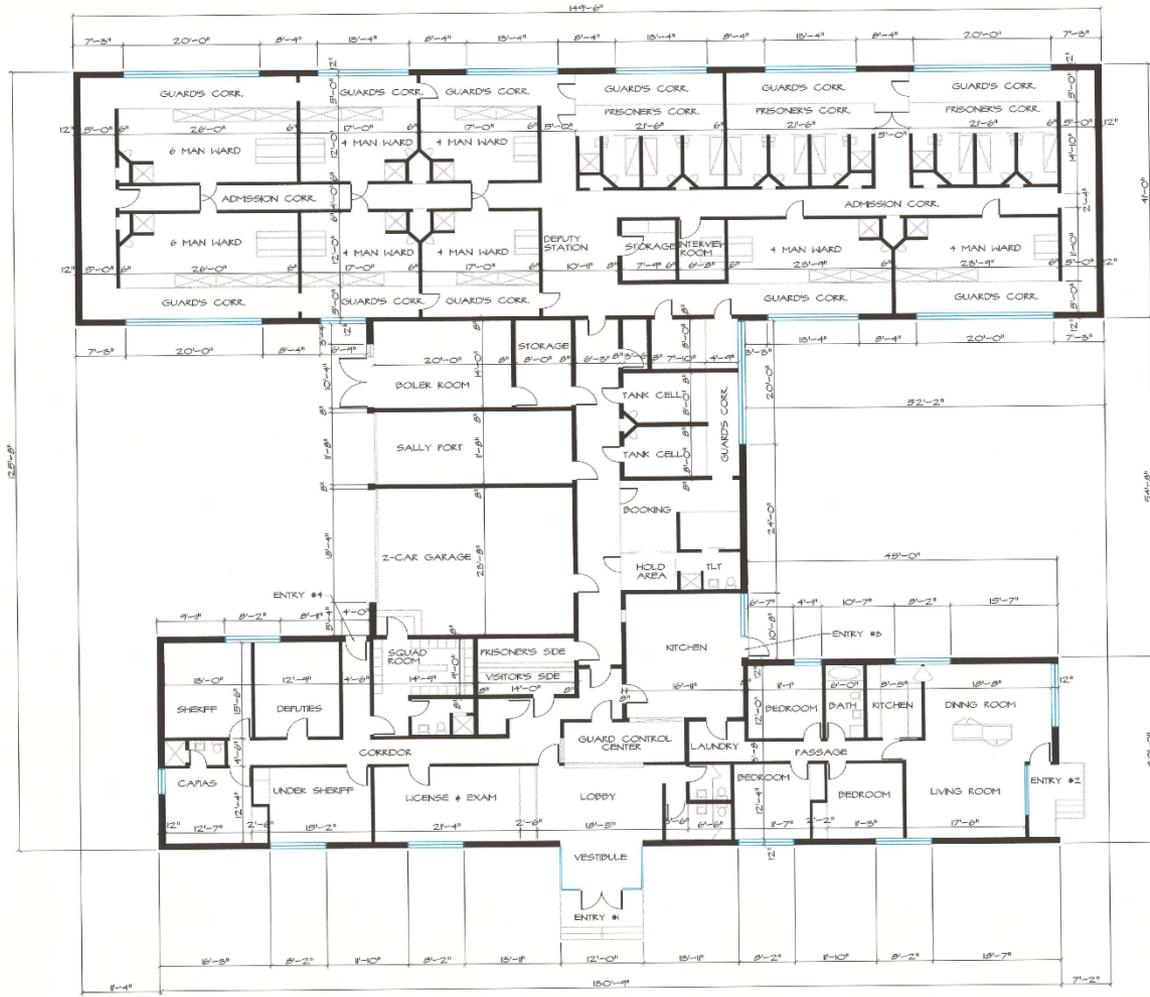
- **Considerations:**

- *Projection Modeling*
- *Potential Future Changes in Current Justice Policies and Philosophies*
- *Potential Future Changes in Operational Philosophies*
- *Potential Future Changes to Provide for Mental Health*
- *Interim Leased Bed Revenue/Operational Cost Offset*

- **Total Bed Recommendation**

- *190 x Classification Factor (15%) = 220 Beds*
- *Male: 160 to 170*
- *Female: 50 to 60*
- *Cell Blocks: 10 to 12*

Jail Evaluation

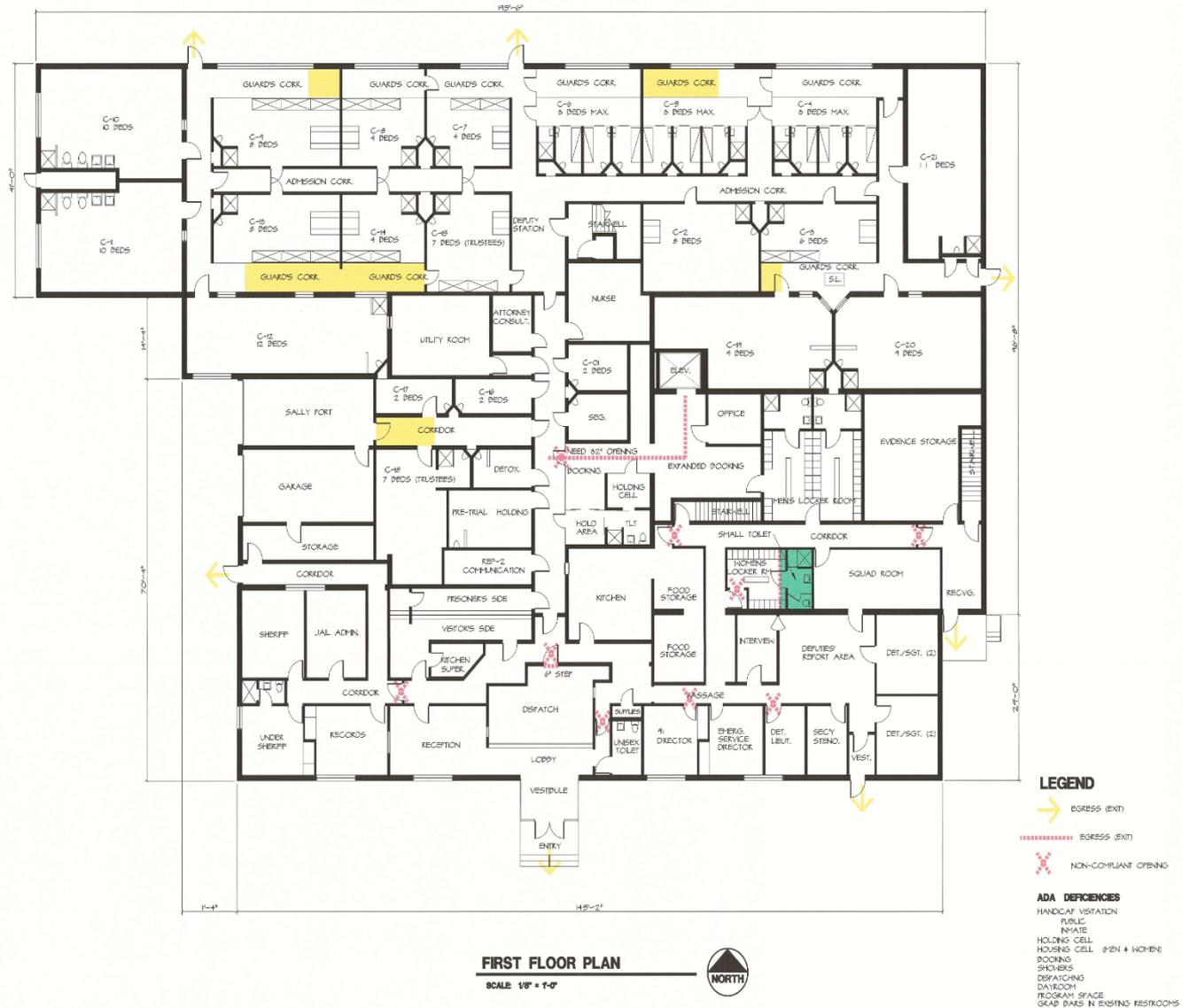


FIRST FLOOR PLAN (1962)

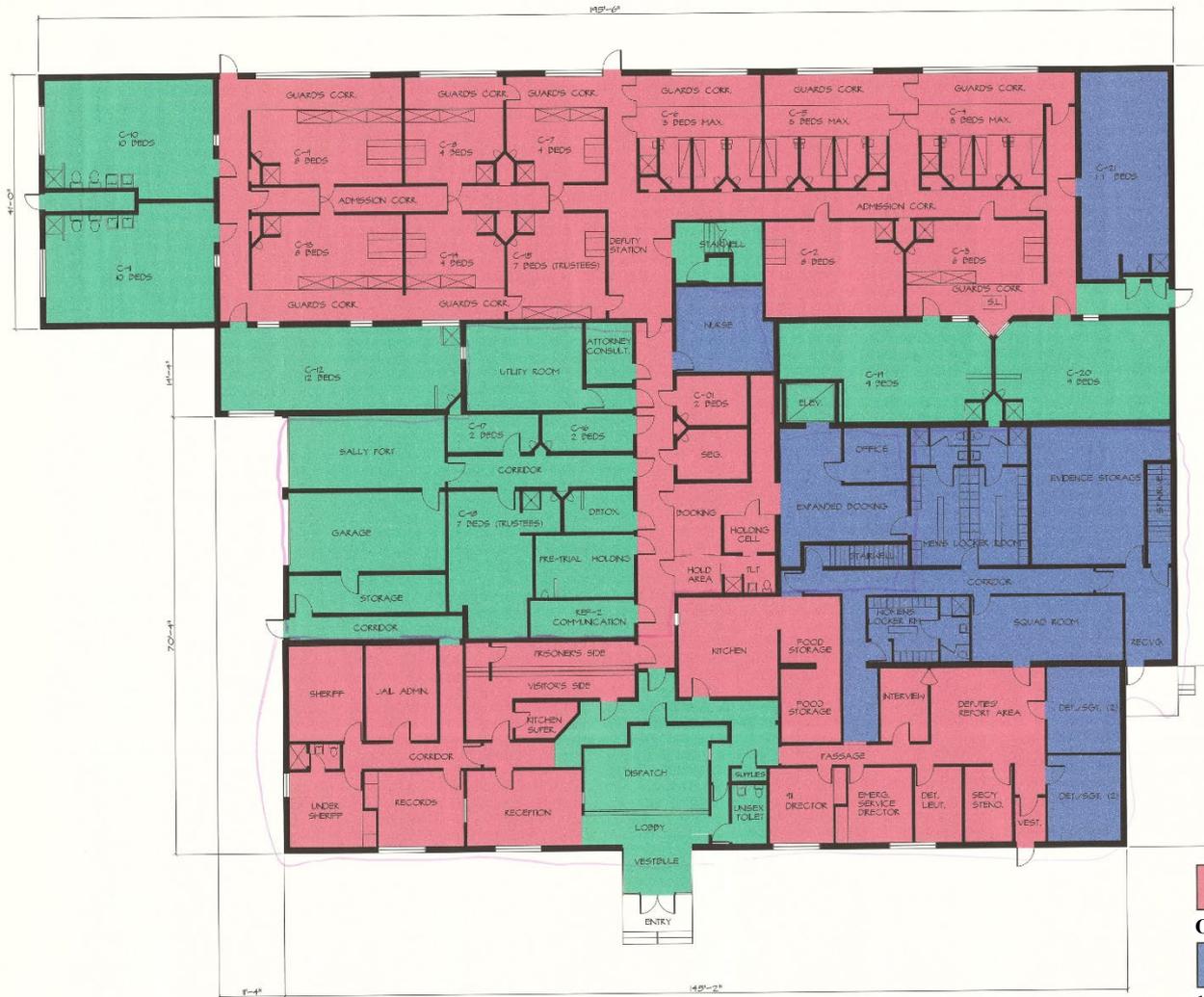
SCALE 1/8" = 1'-0"



Jail Evaluation



Jail Evaluation – Existing Floor Plan

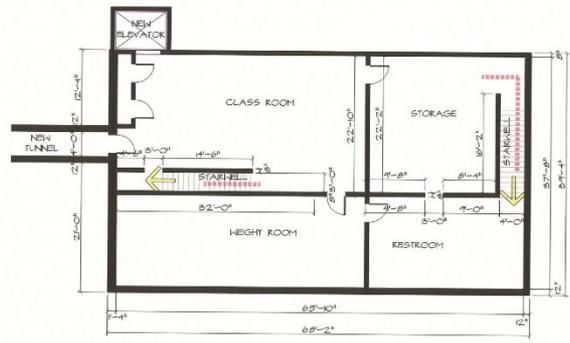


- Original 1962 Construction
- 1984 Addition
- 1990 Addition

FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"

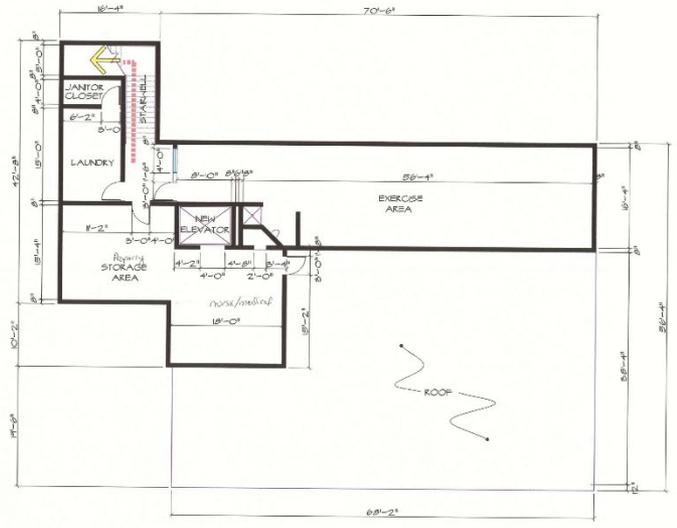


Jail Evaluation



**BASEMENT ADDITION
PLAN (1984)**

SCALE: 1/8" = 1'-0"



**SECOND FLOOR ADDITION
PLAN (1990)**

SCALE: 1/8" = 1'-0"



Michigan Department of Corrections: Codes and Standards

- A. Security Garage**
- B. Safety Vestibule**
- C. Processing Area**
- D. Detoxification Cells**
- E. Holding Cells**
- F. Processing Storage**
- G. Control Centers**
- H. Corrections Officer Duty Stations**
- I. Housing**
- J. Food Preparation and Service Area**
- K. Public Lobby or Waiting Area**
- L. Visiting Accommodations**
- M. Laundry**
- N. Day Rooms**
- O. Multi-Purpose Room**
- P. Outside Exercise Area**
- Q. Medical Examination and Treatment Room**
- R. Administrative and Clerical Space**
- S. Security Perimeter Walls**
- T. Inmate Classification Area**
- U. Inmate Program Areas**
- V. Elevator**
- W. Exits**

Michigan Department of Corrections: Inmate Housing

- **High Security Cells**

- *> 10% capacity*
- *> 72 sq. ft. of floor space*
- *Combination plumbing fixture*
- *Perforated steel-bottomed bed*
- *Steel table, seat, mirror*

- **Medium Security Cells**

- *> 52 sq. ft. of floor area*
- *> 72 sq. ft. of floor area*
- *Double-bunking statute: > 65 sq. ft. of floor area and additional dayroom space = 20 sq. ft./inmate*
- *Multiple-occupancy statute: > 52 sq. ft. of floor area/inmate additional dayroom space = 20 sq. ft./inmate*

- **Low Security Areas**

- *> 52 sq. ft. of floor area (cell) if a dayroom is provided and directly accessible*
- *> 72 sq. ft. of floor space (cell) if no dayroom is provided*
- *Double-bunking statute: same as medium security areas*
- *Multiple-occupancy statute: same as medium security areas*

- **Double-bunking**

- *Shall not exceed 75% of the total rated capacity*

- **Dormitory Capacity**

- *Shall not exceed 40% of the total rated capacity*

Shiawassee County Jail Deficiencies Summary

- **Security Garage**
 - *Inadequate space – Dangerous for staff. Pull in back out, not drive through*
- **Processing Area**
 - *Marginally Compliant*
- **Detoxification/Holding Cells**
 - *Limited isolation flexibility, no padded cells, poor condition and visibility from control – Staff Intensive.*
- **Control Centers**
 - *Building configuration requires 2 minimum - staff intensive*
 - *Limited Visibility of jail from any point*
- **Housing**
 - *Limited cells, Approximately 83% dorms*
 - *Good Classification Capability*
- **Program Spaces**
 - *Utilize Indoor Recreation*
 - *Library in corridor and half of visitation – Marginal*
 - *Staff Intensive*
- **Multipurpose Room/Outdoor Recreation**
 - *No Outdoor Recreation*
- **Inmate Classification**
 - *No Dedicated Space, Utilize Booking*
- **Correctional Officer Duty Stations**
 - *Work space is marginal and little storage*
- **Public Lobby/Waiting**
 - *Adequate*
 - *Visibility in Clerical impossible*
- **Visiting Accommodations**
 - *Marginal*
 - *Poor condition*
- **Dayrooms**
 - *Adequate for those available*
- **Medical Examination and Treatment Rooms**
 - *Marginal*
 - *Difficult to supervise, includes Medical Providers office and storage*
- **Administrative and Clerical Space**
 - *Marginal, lack storage, some spaces are significantly undersized*

Compliance with Michigan Department of Corrections Jail Standards

A. Security Garage

- *Very low ceiling height*
- *Not large enough – Safety issue*
- *Marginal size*
- *Pull-in/back-out*



B. A Safety Vestibule

- *Largely compliant*
- *Must pass 2 cell blocks to access Control / Booking*



Compliance with Michigan Department of Corrections Jail Standards

C. Processing Area

- *Marginally compliant*
- *Very congested!*
- *Inadequate storage*
- *Toilet/shower/changing down the hall*



D. Detoxification Cells

- *Only one cell*
- *No male/female separation*
- *Environment not negative air pressure*



Compliance with Michigan Department of Corrections Jail Standards

E. Holding Cells

- *Some male / female separation*
- *Environment not negative pressure*



F. Processing Storage

- *Too small*
- *Also serves as officer room*
- *Very inefficient*



Compliance with Michigan Department of Corrections Jail Standards

G. Control Center

- *Limited visibility of Jail*
- *Multi-function space*



H. Corrections Office Duty Stations

- *Control Center*
- *Deputy Station*



Compliance with Michigan Department of Corrections Jail Standards

I. Housing

- *High percent of Dormitory (83%)*
- *Poor visibility*
- *No visibility from Central Control*
- *Staff intensive to operate*
- *Good classification opportunities*



J. Food Preparation and Service Area

- *Food Prep Area barely adequate*
- *Storage inadequate*
- *Office space inadequate*



Compliance with Michigan Department of Corrections Jail Standards

K. Public Lobby or Waiting Area

- *Adequate*
- *Mirrored glass confusing*



L. Visiting Accommodations

- *Limited*
- *Poor condition*
- *Requires great deal of inmate movement*



Compliance with Michigan Department of Corrections Jail Standards

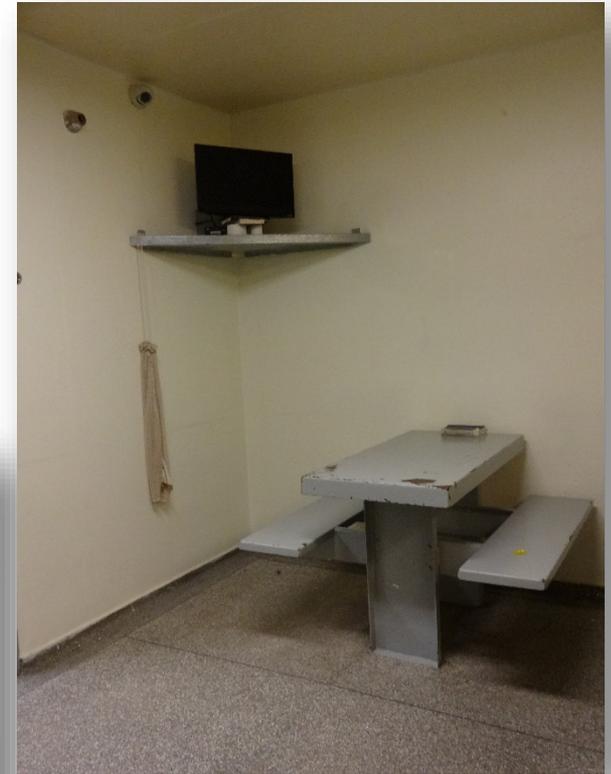
M. Laundry

- *On 2nd floor*
- *Tight space*
- *No folding work area*
- *Limited storage*



N. Dayrooms

- *Adequate*



Compliance with Michigan Department of Corrections Jail Standards

O. Multi-Purpose Room

- *Adequate*
- *Very inconvenient location*
- *2nd floor and basement*

P. Outside Exercise Area

- *None Available*



Compliance with Michigan Department of Corrections Jail Standards

Q. Medical Examination and Treatment Room

- *Very small*
- *Storage and records inadequate*
- *Located on 2nd floor*



R. Administrative and Clerical Space

- *Most areas too small*
- *Many offices also serve as storage*
- *Inadequate records storage*



Compliance with Michigan Department of Corrections Jail Standards

S. Security Perimeter

Walls

- *Walls are marginal*
- *Doors and windows in poor condition*

T. Inmate Classification Area

- *Non Existent*



Compliance with Michigan Department of Corrections Jail Standards

U. Inmate Program Areas

- *Shared with S.O. and indoor recreation*
- *Library space available in basement*



V. Elevator

- *Scary!*



W. Exits

- *Marginal*
- *Very small outdoor fenced Area available*
- *Requires intense staff assistance*

Shiawassee County Jail - Systems / Physical Conditions

- **Architectural / Structural**
 - *Very few electric locks, all manual operation*
 - *Antiquated detention equipment and systems*
 - *Parts and expertise not readily available*



Shiawasse County Jail - Systems / Physical Conditions

- **Architectural / Structural**

- *Numerous ADA issues*
- *Building is poorly insulated*
- *Many condition issues, rust and corrosion, failing finishes*



Shiawasse County Jail - Systems / Physical Conditions

- **Site / Civil / Exterior**

- *Close proximity to Courthouse, however no direct connection*
- *Little room for proper expansion*
- *Fairly attractive building for age / style*
- *Secure/fenced area for prisoner receiving with proper electronic access*
- *Concrete pavement in poor condition*
- *Staff parking not secured*



Shiawasse County Jail - Systems / Physical Conditions

- **HVAC Systems**

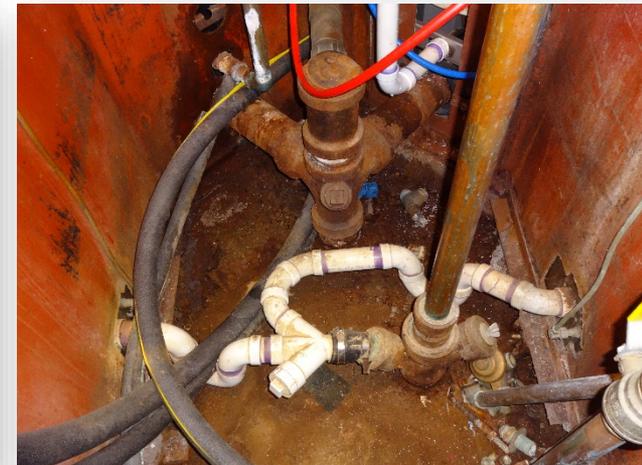
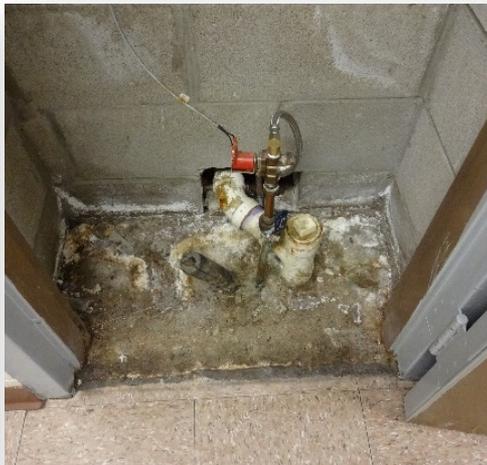
- *Numerous rooftop units, some recent*
- *Insulated duct work in poor condition*
- *Lack of code compliant air changes*
- *Poor temperature control*



Shiawasse County Jail - Systems / Physical Conditions

- **Plumbing Systems**

- *Constant maintenance required*
- *Constantly chasing leaks*
- *Underground plumbing in very poor condition, not easily addressable*



Shiawasse County Jail - Systems / Physical Conditions

- **Electrical Systems**
 - *Near end of useful life*
 - *Electrical and electronics systems outdated and patched*



Shiawassee County Jail Deficiencies Summary

- **Not Feasible to Continue Use of Jail**
 - *All Systems are beyond their useful life.*
 - *Operationally dysfunctional and staff inefficient.*
 - *3 operational levels*
 - *Structural and physical limitations to efficient design solution.*
 - *Compliance with State Standards is minimal*
 - *Cost of renovation exceeds the cost of new construction.*
 - *Limited to no site area for future expansion at existing location.*

Architectural Space Program

Shiawassee County Jail Feasibility Study Architectural Space Program Summary

Department: B. Executive Administration

Division: All

| No. | Component | NSF | Adjacency: Public Lobby | | | | | | General Remarks: None |
|--|--------------------------|--------|-------------------------|---------------|--------------|--------------|---------------|--------------|---|
| | | | 2028 Program | | | 2038 Program | | | Specific Remarks: Assumes 1 Public Lobby shared with jail |
| | | | Staff | No. of Spaces | Total NSF | Staff | No. of Spaces | Total NSF | |
| B.1 | Sheriff | 240 | 1 | 1 | 240 | 1 | 1 | 240 | Private Office Type "A" |
| B.2 | Chief Deputy | 192 | 1 | 1 | 192 | 1 | 1 | 192 | Private Office Type "B" |
| B.3 | Administration Assistant | 120 | 1 | 1 | 120 | 1 | 1 | 120 | Private Office Type "C" |
| B.4 | Clerical/Records Clerk | 80 | 2 | 2 | 160 | 2 | 2 | 160 | Work Station Type "E" |
| B.5 | Civil Processing Clerk | 80 | 0 | 0 | 0 | 0 | 0 | 0 | Work Station Type "E" Flex work space |
| B.6 | Secretary/Receptionist | 80 | 0 | 0 | 0 | 0 | 0 | 0 | Work Station Type "E" |
| B.7 | Reception/Waiting | 100 | | 1 | 100 | | 1 | 100 | Seating for 4 to 6, borrowed light to Receptionist |
| B.8 | Conference Room | 180 | | 1 | 180 | | 1 | 180 | Seating for 8 to 10 |
| B.9 | Workroom/Galley | 120 | | 1 | 120 | | 1 | 120 | Base and Wall Cabinets, Copier and Sink |
| B.10 | Files/Records Room | Varies | | 1 | 640 | | 1 | 680 | Assumes combination of high density and standard files |
| B.11 | Office Supplies | 80 | | 1 | 80 | | 1 | 80 | Shelving |
| B.12 | Staff Toilet | 63 | | 1 | 63 | | 1 | 63 | Unisex, Water Closet, Lav., ADA Accessible |
| B.13 | Departmental Storage | 100 | | 1 | 100 | | 1 | 100 | |
| B.14 | Break Room | 240 | | 1 | 240 | | 1 | 240 | Base/wall cabinets, sink, microwave, refrigerator, vending and table seating for 6 to 8 |
| B.15 | Quartermaster Storage | 180 | | 1 | 180 | | 1 | 180 | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| Subtotal | | | 5 | 9 | 2,415 | 5 | 9 | 2,455 | Notes: No additional notes |
| Department Grossing Factor (DGSF) | | | | 25% | 604 | | | 614 | |
| Total DGSF | | | | | 3,019 | | | 3,069 | |

