

Kansas Department of Corrections
Larned Correctional Mental Health Facility
June 2022



ASSESSMENT OVERVIEW

INTRODUCTION

CGL FACILITY MANAGEMENT CONDUCTED AN EQUIPMENT AND FACILITY CONDITION ASSESSMENT OF THE SITE, SITE IMPROVEMENTS, AND RELATED FEATURES CONTAINED AT:

Larned Correctional Mental Health Facility

PURPOSE

The primary purpose of the Facility Condition Assessment is to identify visually apparent deficiencies in the building/s and develop a cost basis for repair, upgrade, or replacement.

The key issues addressed in the Facility Condition Assessments include:

- Perform a visual assessment of the interior, exterior, and site components
- A detailed description of the equipment and conditions found during the site visit
- Strategy to resolve key issues
- Recommendations for all systems

METHODOLOGY

This Facility assessment was conducted by the following experts that have extensive hands-on experience with government, correctional, commercial, and industrial buildings, and facility maintenance.

- Phil Loftin, Electrical Engineer
- Alex Campbell, Facility Specialist
- TJ Kelley, Systems Specialist
- Russ Rieske, Mechanical Engineer
- Ted Perry, LEAD AP & OM
- Mike Lynch, Architect

CGL's Assessment Team conducted a field survey of the buildings' envelope and equipment that could readily be observed. The team did not attempt to uncover hidden conditions, move fixed equipment, or otherwise discover deficiencies that could not be immediately detected. The analysis included interviews with building management and maintenance personnel and a review of any documents made available at the time of the visit.

The team collected data on the condition and life cycle of major systems. All conditions were documented by digital photographs.

CGL analyzed the information collected during the Facilities Condition Assessment and developed recommendations for upgrades and replacements.

A general scoring matrix used in analysis of major group elements, group elements, and individual elements is included below:

< 5%	Good	Infrastructure & systems are new or rehabilitated with few elements showing normal wear that requires routine maintenance
5% - 10%	Fair	Infrastructure & systems show some signs that require attention with a few elements needing immediate repair
11% - 15%	Poor	Infrastructure & systems are mostly below standard with some elements reaching the end of useful life and requiring replacement
16% -25%	Severe	Infrastructure & systems are in unacceptable condition with widespread signs of deterioration
26% - 50%	Critical	Infrastructure & systems require replacement to restore function. Systems could be unsafe to operate in the current condition
> 50%	Replace	Infrastructure or systems need to be replaced immediately for safety, security, and/or serviceability



MAJOR SYSTEMS ASSESSED

- **Substructure:** CGL observed the structures for visible signs of distress.
- Shell: CGL visually observed the exterior wall system, window, and door systems for visible evidence of deficiencies, continuity of seals, and other types of distress. CGL reviewed available flashing and connection details for drainage design and observed the condition and placement of expansion joints. CGL visual observations were based on those conditions that can be observed from roof and ground level. CGL visually evaluated the condition of accessible roof systems and discussed any existing/remaining roof warranties.
- Interiors: CGL visually observed the interior areas of the property and reported their general condition.
- Services: CGL observed the age and condition of the Mechanical, HVAC, Electrical, Plumbing, and Fire
 Protection (MEPFP) Systems and related building equipment and have commented on their condition and
 visible deficiencies.
- Site-work: CGL visually observed the exterior areas of the property and reported their general condition.
- Accessibility: CGL reviewed the property for conformance with applicable accessibility requirements and reported CGL findings.

The scope of services under which the Facility Condition Assessment was completed was visual in nature and not intended to be destructive to the property to gain access to hidden conditions. CGL did not perform any destructive testing, uncover, or expose any system members. CGL has documented the type and extent of visually apparent defects in the systems to develop the condition assessment.

The scope of services under which the Facility Condition Assessment was completed includes only those items indicated. The evaluation does not include any environmental services such as sampling, testing, or evaluation of asbestos, lead-based paint, lead-in-water, indoor air quality, PCBs, radon, mold, or any other potentially hazardous materials or issues not outlined.



BUILDING DESCRIPTION

LARNED CORRECTIONAL MENTAL HEALTH FACILITY PROPERTY EXECUTIVE SUMMARY

The Larned Correctional Mental Health Facility (LCMHF) is located on 104 acres west of Larned, Kansas. The facility consists of 19 buildings of which 15 were assessed. The total square footage assessed was approximately 137,271 for this facility. Construction dates of the buildings range from of 1960 to 2015. The structures consist of a diverse mixture of building materials, from concrete and metal to wood and masonry.

LCMHF serves as a medium-security facility with a capacity of 310 residents. LCMHF houses the young offender program within the Kansas Department of Corrections (KDOC). The program is designed for males aged 18-25 who have been sentenced to the custody of the Sectary of Corrections. The facility provides programs that have been shown to reduce recidivism in the target population.

LCMHF shares the 104-acre site with the minimum-security facility, Larned Correctional Mental Health Facility West (LCMHF West). LCMHF has been separated from the LCMHF West facilities to give a better depiction of the FCI for the buildings at the facility.

HVAC SYSTEMS

The air conditioning systems at the LCMHF consist of two Trane water cooled chillers. Heating is supplied by two gas fired boilers, with AHUs and fan powered boxes located throughout the facility. The chillers, boilers and AHUs are all original equipment from construction in 1991. CGL recommends a comprehensive preventive maintenance plan to maintain equipment and extend the life of the assets. The HVAC systems are the age of the buildings and should be considered for lifecycle replacement.

ELECTRICAL

Electrical service comes in the underground to the Power Plant. From there, it's distributed underground throughout the site to the various buildings. The main power is fed through multiple power panels and step-down transformers throughout the individual electrical rooms that supply power in the buildings.

There is one emergency generator at the Central Power Plant. The generator is operational but is beyond its useful service life and should be upgraded.

PLUMBING

The plumbing throughout the site is mostly original to construction and is a combination of PVC and copper. The sewage and drainage system are cast iron. Cast iron pipe deteriorates from the inside, and it is recommended that an engineering study be conducted to determine the condition of drain piping and identify any areas needing immediate replacement. Toilets observed were vitreous china and tank-less units in public areas with stainless steel toilet sink combination units in detention and holding cell areas. The condition of the detention grade units was observed to be relative to the age, and many need repairs to ensure proper operation.

FIRE PROTECTION

The fire alarm panel and associated devices were aged and nearing the end of their useful life. Lifecycle replacement of these items would be recommended before unscheduled failure occurs.

The fire protection system was original to construction. Fire protection piping will deteriorate from the inside out and it is recommended that an endoscopic inspection and wall thickness test be conducted after 25 years of service.

SITE UTILITIES

Site utilities are over 30+ years old and currently have no reported issues. It would be recommended that some money is set aside over the next ten years for utility upgrades and repairs.







NOTE

FCIs allow you to understand how your buildings are operating and how to prepare for the future. These scores provide a valuable look into your portfolio of facilities, and they help you plan and prioritize projects over both the short- and long-term. The more accurate your FCI scores, the better you can prioritize maintenance repairs, forecast upcoming costs, and make data-driven decisions around capital planning.

It should be noted that surveying facilities as a group constructed over several years which contain equipment and systems of varying age and condition will affect the overall FCI score. Many Kansas facilities have significant gaps in construction periods that adversely impact the newer buildings while benefitting the older buildings. Although this study did not intend to score structures individually, this impact should be considered when considering long-term capital planning needs.

We have attempted to help make the results more accurately depict the facilities by breaking out groups of older buildings or satellite campuses.



PROJECT DETAIL

ITEMS	DESCRIPTION
Project Name	Larned Correctional Mental Health Facility
Property Type	Detention Facility
Address	Larned, Kansas
Year Built	1960-2015
Number of Levels	Varies (1-2)
Gross Building Area (GSF)	137,271
*Current Replacement Value	\$61,771,950
CRV/GSF (\$/SF)	\$450

^{*} The CRV was based on industry experience and best practices and should be considered only for determining a replacement value for the current buildings that were assessed in this report. Moreover, The CRV does not include any cost for professional services such architectural, engineering or project management fees, environmental services such as sampling, testing, or evaluation of asbestos, lead-based paint, lead-in-water, indoor air quality, PCBs, radon, mold, or any other potentially hazardous materials, or issues not outlined. The CRV does not include cost for land acquisition, demolition, abatement, remediation, or other site improvements that may be required for construction of a replacement building. The CRV was based on current cost estimates and does not include any upgrades to the existing facility or an escalation factor for future construction.



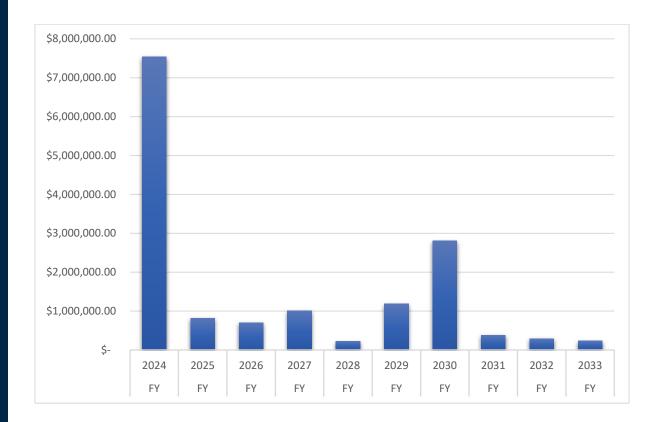
SUMMARY OF FINDINGS

This report represents summary-level findings for the Property Condition Assessment. The deficiencies identified in this assessment can be combined with potential new construction requirements to develop an overall Long Term Capital Needs Plan that can be the basis for a facility-wide capital improvement funding strategy. Key findings from the assessment include:

KEY FINDINGS	METRIC				
10-Year Facility Condition Needs Index (FCNI)	24%				
Immediate Capital Needs (Year 1)	\$7,536,566				
Future Capital Needs (Year 2 to Year 10)	\$7,658,333				

The building expenditure summary section provides an executive overview of the findings from the assessment. The chart below provides a summary of anticipated yearly expenditures over the study period for the Larned Correctional Mental Health Facility. Further details of these expenditures are included within each respective report section and within the expenditure forecast in Appendix A of this report. The results illustrate a total anticipated expenditure over the study period of approximately:

\$15,194,900





FACILITY CONDITION NEEDS INDEX

In this report, we have calculated the Facility Condition Needs Index (FCNI), which is used in Facilities Management to provide a benchmark to compare the relative condition of a group of facilities. The FCNI is primarily used to support asset management initiatives of federal, state, and local government facilities organizations.

The FCNI is the ratio of accumulated Total Cost (TC) (Deferred Maintenance, Capital Renewal, and Plant Adaptation) to the Current Replacement Value (CRV) for a constructed asset calculated by dividing the TC by the CRV. The range is from zero for a newly built asset to one for a constructed asset with a TC value equal to its CRV. Acceptable ranges vary by "Asset Type', but as a general guideline, the FCNI scoring system is as follows:

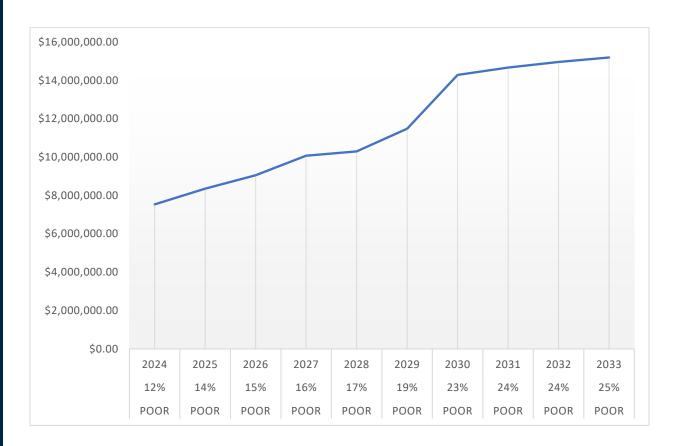
FCNI =

Deferred Maintenance + Capital Renewal + Plant Adaptation (TC)

Current Replacement Value of the Facility(s) (CRV)

If the FCNI rating is 60% or greater, then the replacement of the asset/building should be considered instead of renewal.

CONDITION	DEFINITION	PERCENTAGE VALUE
GOOD	In a new or well-maintained condition, with no visual evidence of wear, soiling, or other deficiencies.	0% to 5%
FAIR	Subject to wear and soiling but is still in a serviceable and functioning condition.	5% to 10%
POOR	Subjected to hard or long-term wear. Nearing the end of its useful or serviceable life.	Greater than 10%
V-POOR	It is subjected to hard or long-term wear. Has reached the end of its useful or serviceable life. Renewal is now necessary.	Greater than 60%





DISTRIBUTION OF NEEDS BY PRIORITY

CGL Facility Management has prioritized the identified work in order to assist with analyzing the deficiencies found during the assessment. The baseline prioritization model is not just based on replacement year or criticality but uses four key data attributes to build an overall importance metric for every recommendation: System type, the cause or nature of the issue, timing, and building mission incorporated into the model with relative weighting to provide an overall priority score. Priority categories are shown below:

Priority 1 Systems requiring immediate action that have failed, compromises staff or public **Currently Critical:** safety, or required to be upgraded to comply with current codes and accessibility

Priority 2A system or component is nearing the end of useful life, if not addressed, will cause

Potentially Critical: additional deterioration and added repair costs

Priority 3Lifecycle replacements necessary but not critical or mid-term future replacements

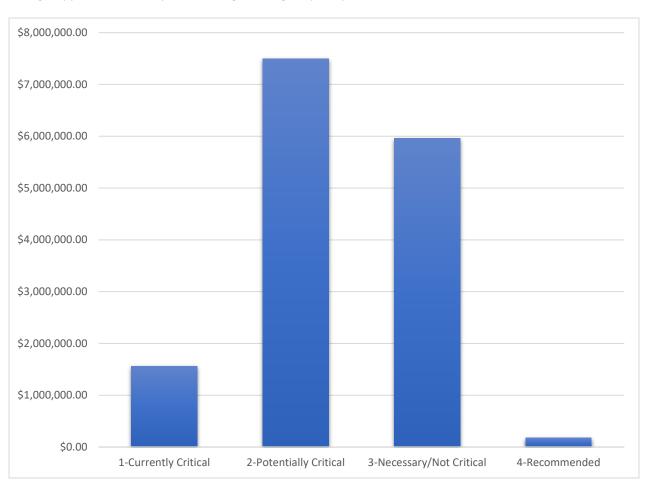
Necessary / Not Critical: to maintain the integrity of the facility or component

Priority 4

Recommended:

Items under this classification are not required for normal function and operation of the facility but would improve the efficiency and functionality of the facility or reduce long-term maintenance.

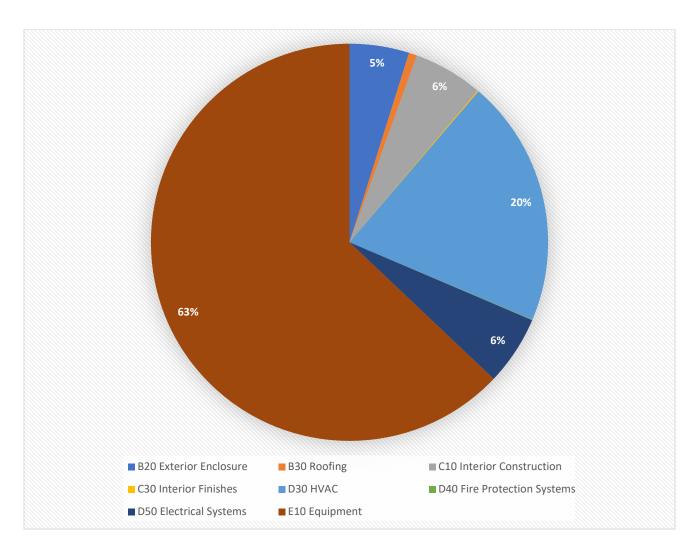
The chart below illustrates the breakdown of expenditure according to the priority coding providing an opportunity to strategically plan and effectively direct funding to the highest priority.





DISTRIBUTION OF IMMEDIATE NEEDS (YEAR 1) BY BUILDING SYSTEM

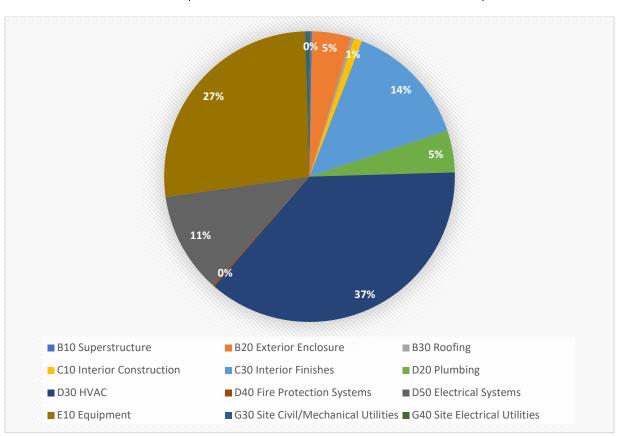
Building System	Estimated Cost	Percent of Total Cost
B20 Exterior Enclosure	\$365,446	4.85%
B30 Roofing	\$49,415	0.66%
C10 Interior Construction	\$426,867	5.66%
C30 Interior Finishes	\$6,576	0.09%
D30 HVAC	\$1,516,193	20.12%
D40 Fire Protection Systems	\$3,292	0.04%
D50 Electrical Systems	\$426,417	5.66%
E10 Equipment	\$4,742,360	62.92%





DISTRIBUTION OF FUTURE NEEDS (YEAR 2 TO YEAR 10) BY BUILDING SYSTEM

Building System	Estimated Cost	Percent of Total Cost
B10 Superstructure	\$21,018.60	0.27%
B20 Exterior Enclosure	\$334,372.26	4.37%
B30 Roofing	\$25,581.02	0.33%
C10 Interior Construction	\$69,109.20	0.90%
C30 Interior Finishes	\$1,072,177.28	14.00%
D20 Plumbing	\$356,992.22	4.66%
D30 HVAC	\$2,821,564.94	36.84%
D40 Fire Protection Systems	\$15,243.28	0.20%
D50 Electrical Systems	\$856,134.52	11.18%
E10 Equipment	\$2,050,475.90	26.77%
G30 Site Civil/Mechanical Utilities	\$20,000.00	0.26%
G40 Site Electrical Utilities	\$15,664.00	0.20%





DISTRIBUTION OF NEEDS BY PLAN TYPE

PLAN TYPE 1 LIFECYCLE REPLACEMENT:

Indicates the need for replacement or major refurbishment of an asset, typically based on age and use but required in the future within a reasonable planning horizon.

PLAN TYPE 2 MAJOR REPAIR:

Any component or system in which future major repair is anticipated but not a replacement of the entire component.

PLAN TYPE 3 LIFE-SAFETY / CODE COMPLIANCE:

Any action to correct a deficiency related to life safety or code violation.

PLAN TYPE 4 ENGINEERING STUDY:

Includes recommendations for further investigation into appropriate repair/replacement action.

PLAN TYPE 5 MODERNIZATION / IMPROVEMENTS:

Actions that are considered upgrading or improving beyond a standard life cycle replacement. These actions are often considered optional.

PLAN TYPE 6 ENERGY:

When the repair or replacement of equipment or systems are recommended to improve energy and sustainability performance.

PLAN TYPE 7 ADA:

When the repair or replacement of equipment or system is recommended to comply with ADA.

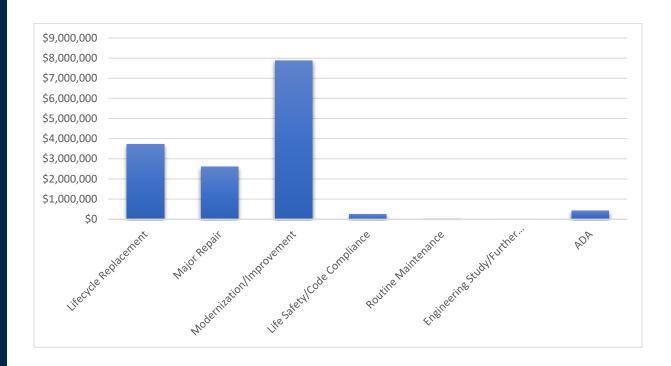
PLAN TYPE 8 ROUTINE MAINTENANCE:

Any component or system in which routine maintenance or repairs is anticipated but not a replacement of the entire component.



PLAN TYPE TOTAL COST

Lifecycle Replacement	\$3,716,719
Major Repair	\$2,597,767
Modernization/Improvement	\$7,874,590
Life Safety/Code Compliance	\$240,956
Routine Maintenance	\$26,932
Engineering Study/Further Investigation	\$7,493
ADA	\$416,650





ASSETS OBSERVED

All assets observed are provided in this section sorted by the Uniformat II coding, indexed is as follows:

A - SUBSTRUCTURE

- A10 Foundations
- A20 Basement Construction

B-SHELL

- B10 Superstructure
- B20 Exterior Enclosure
- B30 Roofing

C-INTERIORS

- C10 Interior Construction
- C20 Stairs
- C30 Interior Finishes

D - SERVICES

- D10 Conveying Systems
- D20 Plumbing
- D30 HVAC
- D40 Fire Protection Systems
- D50 Electrical Systems

E - EQUIPMENT & FURNISHING

- E10 Equipment
- E20 Furnishings

F - SPECIAL CONSTRUCTION AND DEMOLITION

- F10 Special Construction
- F20 Selective Demolition

G - BUILDING SITE WORK

- G10 Site Preparation
- G20 Site Improvements
- G30 Site Civil/Mechanical Utilities
- G40 Site Electrical Utilities
- G90 Other Site Construction



APENDIX A – EXPENDITURE FORECAST

Survey Section	Unif. L3	Display Name	Quantity	Unit of Measure	Unit Cost	Total Expense	Residual Life	Category	Priority
Housing Wing F3	B2010	Control joints	528	L.F.	\$34.98	\$18,469	0	Major Repair	1-Currently Critical
Housing Wing F4	B2010	Control joints	528	L.F.	\$34.98	\$18,469	0	Major Repair	1-Currently Critical
Commons Building C	E1200	Disposal	1	Ea.	\$3,763.31	\$3,763	0	Lifecycle Replacement	1-Currently Critical
Housing Wing E1	B2010	Control joints	528	L.F.	\$34.98	\$18,469	0	Major Repair	1-Currently Critical
Housing Wing F1	B2010	Control joints	528	L.F.	\$34.98	\$18,469	0	Major Repair	1-Currently Critical
Housing Wing F2	B2010	Control joints	528	L.F.	\$34.98	\$18,469	0	Major Repair	1-Currently Critical
Commons Building B	C1020	Wooden doors	72	Ea.	\$2,815.20	\$202,694	0	ADA	1-Currently Critical
Commons Building C	C1020	Wooden doors	48	Ea.	\$2,815.20	\$135,130	0	ADA	1-Currently Critical
Commons Building C	D5030	Fire alarm control panel	1	Ea.	\$61,861.00	\$61,861	0	Life Safety/Code Compliance	1-Currently Critical
Power Plant	D5010	Control center	1	Ea.	\$124,748.50	\$124,749	0	Lifecycle Replacement	1-Currently Critical
Power Plant	D5010	Bus transfer	1	Ea.	\$90,839.00	\$90,839	0	Lifecycle Replacement	1-Currently Critical
Commons Building B	B2010	Control joints	1000	L.F.	\$34.98	\$34,980	0	Major Repair	1-Currently Critical
Administration	B2010	Control joints	1000	L.F.	\$34.98	\$34,980	0	Major Repair	1-Currently Critical
Administration	D5030	Fire control panel	1	Ea.	\$61,861.00	\$61,861	0	Life Safety/Code Compliance	1-Currently Critical
Commons Building B	E1090	Kitchen fire hood	1	Ea.	\$5,376.70	\$5,377	0	Life Safety/Code Compliance	1-Currently Critical
Administration	G3010	Fire hydrants	4	Ea.	\$5,000.00	\$20,000	1	Life Safety/Code Compliance	1-Currently Critical





Administration	C1020	Wooden doors	28	Ea.	\$2,815.20	\$78,826	0	ADA	1-Currently Critical
Power Plant	D5090	Generator	1000	kW	\$483.82	\$483,820	2	Lifecycle Replacement	1-Currently Critical
Rotunda	B2010	Control joints	1500	L.F.	\$34.98	\$52,470	0	Major Repair	1-Currently Critical
Commons Building B	D5030	Fire alarm control panel	1	Ea.	\$61,861.00	\$61,861	0	Life Safety/Code Compliance	1-Currently Critical
Commons Building C	B2010	Control joints	500	L.F.	\$34.98	\$17,490	0	Major Repair	1-Currently Critical
Sewage Lift Station	E1270	Lift station	1	Ea.	\$578,720.40	\$578,720	6	Major Repair	2-Potentially Critical
Equipment Storage	C1020	Exterior doors	1	Ea.	\$4,086.96	\$4,087	0	Lifecycle Replacement	2-Potentially Critical
Commons Building C	D4010	Backflow preventer	1	Ea.	\$1,097.28	\$1,097	0	Lifecycle Replacement	2-Potentially Critical
Commons Building C	E1080	Walk-in refrigerator and freezer	2	Ea.	\$39,091.36	\$78,183	3	Lifecycle Replacement	2-Potentially Critical
Administration	B2010	Window re- caulking	30	Ea.	\$762.66	\$22,880	1	Major Repair	2-Potentially Critical
Commons Building B	B2010	Veneer	168	S.F.	\$133.54	\$22,435	0	Major Repair	2-Potentially Critical
Commons Building C	B2010	Re-caulk windows	25	Ea.	\$762.66	\$19,067	1	Major Repair	2-Potentially Critical
Commons Building B	B2010	Re-caulk windows	22	Ea.	\$762.66	\$16,779	1	Major Repair	2-Potentially Critical
Commons Building B	D2020	Water heater	2	Ea.	\$19,126.02	\$38,252	6	Lifecycle Replacement	2-Potentially Critical
Administration	D2020	Water heater	1	Ea.	\$19,126.02	\$19,126	6	Lifecycle Replacement	2-Potentially Critical
Housing Wing F4	B2010	Re-caulk windows	32	Ea.	\$762.66	\$24,405	1	Major Repair	2-Potentially Critical
Commons Building B	E1020	Steel security door, swing style	19	Ea.	\$15,894.46	\$301,995	3	Modernization/Improvement	2-Potentially Critical
Housing Wing E1	B2010	Re-caulk windows	32	Ea.	\$762.66	\$24,405	1	Major Repair	2-Potentially Critical





Commons Building C	E1020	Steel security door, swing style	18	Ea.	\$15,894.46	\$286,100	3	Modernization/Improvement	2-Potentially Critical
Administration	E1020	Steel security door, swing style	7	Ea.	\$15,894.46	\$111,261	3	Modernization/Improvement	2-Potentially Critical
Rotunda	C1020	Sliding steel security door	11	Ea.	\$3,922.70	\$43,150	3	Modernization/Improvement	2-Potentially Critical
Commons Building C	E1090	Kitchen hood	2	Ea.	\$5,376.70	\$10,753	9	Life Safety/Code Compliance	2-Potentially Critical
Power Plant	D3050	HVAC units	6	Ea.	\$39,294.96	\$235,770	0	Lifecycle Replacement	2-Potentially Critical
Power Plant	D2020	Pumps	10	Ea.	\$13,615.25	\$136,153	2	Lifecycle Replacement	2-Potentially Critical
Rotunda	D5090	Exit lighting, Rotunda and cell blocks	8	Ea.	\$38.46	\$308	1	Life Safety/Code Compliance	2-Potentially Critical
Administration	C3020	Carpeting	774	S.Y.	\$127.88	\$98,979	1	Lifecycle Replacement	2-Potentially Critical
Housing Wing F2	B2010	Re-caulk windows	32	Ea.	\$762.66	\$24,405	1	Major Repair	2-Potentially Critical
Housing Wing F4	E1020	Steel security door, swing style	31	Ea.	\$15,894.46	\$492,728	0	Modernization/Improvement	2-Potentially Critical
Rotunda	B3010	Rolled rubber roofing	7.2	Sq.	\$1,040.72	\$7,493	1	Engineering Study/Further Investigation	2-Potentially Critical
Housing Wing E1	D3040	Air handling units	1	Ea.	\$190,645.00	\$190,645	0	Modernization/Improvement	2-Potentially Critical
Commons Building C	D4010	Backflow preventer	1	Ea.	\$1,097.28	\$1,097	0	Lifecycle Replacement	2-Potentially Critical
Quonset Hut	B2030	Roll-up Door	1	Ea.	\$7,241.66	\$7,242	8	Routine Maintenance	2-Potentially Critical
Commons Building C	D5090	Exit lighting	32	Ea.	\$38.46	\$1,231	1	Life Safety/Code Compliance	2-Potentially Critical
Rotunda	D3050	Air conditioning system	23118	S.F.	\$22.40	\$517,843	0	Modernization/Improvement	2-Potentially Critical
Housing Wing F1	D3040	Air handling units	1	Ea.	\$190,645.00	\$190,645	0	Modernization/Improvement	2-Potentially Critical







Rotunda	E1020	Steel security door, swing style	46	Ea.	\$15,894.46	\$731,145	0	Modernization/Improvement	2-Potentially Critical
Housing Wing F3	D3040	Air handling units	1	Ea.	\$190,645.00	\$190,645	0	Modernization/Improvement	2-Potentially Critical
Housing Wing E1	E1020	Steel security door, swing style	31	Ea.	\$15,894.46	\$492,728	0	Modernization/Improvement	2-Potentially Critical
Power Plant	C1020	Exterior doors	5	Ea.	\$4,086.96	\$20,435	4	Lifecycle Replacement	2-Potentially Critical
Power Plant	D3020	Boiler	2	Ea.	\$334,319.60	\$668,639	5	Modernization/Improvement	2-Potentially Critical
Housing Wing F4	D3040	Air handling units	1	Ea.	\$190,645.00	\$190,645	0	Modernization/Improvement	2-Potentially Critical
Housing Wing F1	E1020	Steel security door, swing style	31	Ea.	\$15,894.46	\$492,728	0	Modernization/Improvement	2-Potentially Critical
Commons Building B	D5090	Exit lighting	32	Ea.	\$38.46	\$1,231	1	Life Safety/Code Compliance	2-Potentially Critical
Rotunda	D5030	Intercom communications	2	Ea.	\$7,586.64	\$15,173	5	Modernization/Improvement	2-Potentially Critical
Equipment Storage	D5020	Lighting	10	Ea.	\$288.42	\$2,884	0	Modernization/Improvement	2-Potentially Critical
Housing Wing F2	E1020	Steel security door, swing style	31	Ea.	\$15,894.46	\$492,728	0	Modernization/Improvement	2-Potentially Critical
Administration	G4020	Exterior lighting	110	Ea.	\$142.40	\$15,664	5	Modernization/Improvement	2-Potentially Critical
Sallyport	D5020	Lighting	8	Ea.	\$288.42	\$2,307	1	Modernization/Improvement	2-Potentially Critical
Housing Wing F3	E1020	Steel security door, swing style	31	Ea.	\$15,894.46	\$492,728	0	Modernization/Improvement	2-Potentially Critical
Sallyport	B2030	Doors	4	Ea.	\$3,744.02	\$14,976	3	Lifecycle Replacement	2-Potentially Critical
Housing Wing F3	B2010	Re-caulk windows	32	Ea.	\$762.66	\$24,405	1	Major Repair	2-Potentially Critical
Rotunda	D4010	Backflow preventers	1	Ea.	\$1,097.28	\$1,097	0	Lifecycle Replacement	2-Potentially Critical





Commons Building C	D2020	Water heater	2	Ea.	\$19,126.02	\$38,252	6	Lifecycle Replacement	2-Potentially Critical
Commons Building C	E1190	Tray washer	1	Ea.	\$74,746.06	\$74,746	5	Lifecycle Replacement	2-Potentially Critical
Administration	D5090	Exit lighting	20	Ea.	\$38.46	\$769	1	Life Safety/Code Compliance	2-Potentially Critical
Power Plant	D5090	Exit sign	12	Ea.	\$38.46	\$462	0	Life Safety/Code Compliance	2-Potentially Critical
Housing Wing F1	B2010	Re-caulk windows	32	Ea.	\$762.66	\$24,405	1	Major Repair	2-Potentially Critical
Commons Building C	E1090	Ceramic wall tile	55	C.S.F.	\$2,579.32	\$141,863	5	Lifecycle Replacement	3- Necessary/Not Critical
Commons Building B	D3040	Air ductwork	186	L.F.	\$74.64	\$13,883	5	Lifecycle Replacement	3- Necessary/Not Critical
Power Plant	D2020	Water heater	1	Ea.	\$19,126.02	\$19,126	3	Lifecycle Replacement	3- Necessary/Not Critical
Administration	D4010	Air compressors	4	Ea.	\$3,810.82	\$15,243	6	Life Safety/Code Compliance	3- Necessary/Not Critical
Administration	E1090	Air handling units	2	Ea.	\$190,645.00	\$381,290	6	Lifecycle Replacement	3- Necessary/Not Critical
Commons Building B	B2030	Public store front glass door	4	Ea.	\$4,051.74	\$16,207	6	Modernization/Improvement	3- Necessary/Not Critical
Housing Wing F1	D5020	Lighting fixture	46	Ea.	\$288.42	\$13,267	8	Modernization/Improvement	3- Necessary/Not Critical
Housing Wing F4	E1020	Detention toilet sink combination	30	Ea.	\$9,925.38	\$297,761	0	Major Repair	3- Necessary/Not Critical
Housing Wing F1	E1020	Detention area toilet/sink combination units	30	Ea.	\$9,925.38	\$297,761	0	Major Repair	3- Necessary/Not Critical





Quonset Hut	D5020	Lighting	12	Ea.	\$288.42	\$3,461	1	Energy/Sustainability	3- Necessary/Not Critical
Commons Building C	C3030	Ceiling tile	67	C.S.F.	\$1,255.04	\$84,088	1	Lifecycle Replacement	3- Necessary/Not Critical
Administration	D3040	Heating and cooling pipe insulation	3.5	M.L.F.	\$23,703.90	\$82,964	7	Energy/Sustainability	3- Necessary/Not Critical
Power Plant	D3030	Chiller	2	Ea.	\$111,220.40	\$222,441	9	Lifecycle Replacement	3- Necessary/Not Critical
Housing Wing F3	E1020	Detention toilet/sink combination units	30	Ea.	\$9,925.38	\$297,761	0	Major Repair	3- Necessary/Not Critical
Housing Wing F3	D3040	Air ductwork	34	L.F.	\$74.64	\$2,538	5	Lifecycle Replacement	3- Necessary/Not Critical
Commons Building B	C3030	Ceiling tile	37	C.S.F.	\$1,255.04	\$46,436	1	Lifecycle Replacement	3- Necessary/Not Critical
Quonset Hut	D3050	HVAC units	1	Ea.	\$39,294.96	\$39,295	7	Lifecycle Replacement	3- Necessary/Not Critical
Housing Wing F4	D3040	Air ductwork	34	L.F.	\$74.64	\$2,538	5	Lifecycle Replacement	3- Necessary/Not Critical
Housing Wing E1	D5020	Lighting fixture	46	Ea.	\$288.42	\$13,267	8	Modernization/Improvement	3- Necessary/Not Critical
Housing Wing F4	D5020	Lighting fixture	46	Ea.	\$288.42	\$13,267	8	Modernization/Improvement	3- Necessary/Not Critical
Commons Building C	E1090	Flat top grill	1	Ea.	\$10,694.08	\$10,694	2	Lifecycle Replacement	3- Necessary/Not Critical
Power Plant	C3020	Flooring	1200	S.F.	\$5.48	\$6,576	0	Lifecycle Replacement	3- Necessary/Not Critical





Commons Building B	C1010	Toilet partitions	30	S.F.	\$8.90	\$267	5	Routine Maintenance	3- Necessary/Not Critical
Housing Wing F1	D3040	Heating and cooling pipe insulation	0.6	M.L.F.	\$23,703.90	\$14,222	7	Energy/Sustainability	3- Necessary/Not Critical
Commons Building B	C1010	Urinal partitions	30	S.F.	\$8.90	\$267	5	Routine Maintenance	3- Necessary/Not Critical
Rotunda	D3040	Piping insulation	1.05	M.L.F.	\$23,703.90	\$24,889	7	Energy/Sustainability	3- Necessary/Not Critical
Sallyport	B2020	Windows	5	Ea.	\$1,970.38	\$9,852	3	Lifecycle Replacement	3- Necessary/Not Critical
Quonset Hut	E1010	Washer/Dryer	2	Ea.	\$2,755.00	\$5,510	2	Lifecycle Replacement	3- Necessary/Not Critical
Commons Building C	E1040	reach-in	1	Ea.	\$7,119.46	\$7,119	2	Lifecycle Replacement	3- Necessary/Not Critical
Commons Building B	C3020	Carpeting	1033	S.Y.	\$127.88	\$132,100	1	Lifecycle Replacement	3- Necessary/Not Critical
Rotunda	B3020	Skylight	5	C.S.F.	\$9,882.98	\$49,415	0	Lifecycle Replacement	3- Necessary/Not Critical
Commons Building C	D5020	Lighting fixtures	373	Ea.	\$288.42	\$107,581	8	Modernization/Improvement	3- Necessary/Not Critical
Housing Wing F3	D5020	Lighting fixture	46	Ea.	\$288.42	\$13,267	8	Modernization/Improvement	3- Necessary/Not Critical
Commons Building C	C3020	Clay tile flooring	27	C.S.F.	\$2,434.04	\$65,719	3	Lifecycle Replacement	3- Necessary/Not Critical
Power Plant	D3050	Heater	12	Ea.	\$14,030.56	\$168,367	6	Lifecycle Replacement	3- Necessary/Not Critical





Administration	C3030	Ceiling tile	28	C.S.F.	\$1,255.04	\$35,141	5	Lifecycle Replacement	3- Necessary/Not Critical
Commons Building C	D3040	Air ductwork	330	L.F.	\$74.64	\$24,631	5	Lifecycle Replacement	3- Necessary/Not Critical
Administration	D3040	Air ductwork	139	L.F.	\$74.64	\$10,375	5	Lifecycle Replacement	3- Necessary/Not Critical
Housing Wing F2	D3040	Air ductwork	34	L.F.	\$74.64	\$2,538	6	Lifecycle Replacement	3- Necessary/Not Critical
Housing Wing E1	E1020	Detention toilet/sink combinations	30	Ea.	\$9,925.38	\$297,761	0	Major Repair	3- Necessary/Not Critical
Commons Building B	E1020	Detainee sink toilet combo	5	Ea.	\$9,925.38	\$49,627	0	Major Repair	3- Necessary/Not Critical
Commons Building C	C1010	Urinal partitions	30	S.F.	\$8.90	\$267	5	Routine Maintenance	3- Necessary/Not Critical
Commons Building C	D3040	Heating and cooling pipe insulation	2.85	M.L.F.	\$23,703.90	\$67,556	7	Energy/Sustainability	3- Necessary/Not Critical
Commons Building B	C3010	Ceramic wall tile	35	C.S.F.	\$2,579.32	\$90,276	5	Lifecycle Replacement	3- Necessary/Not Critical
Commons Building B	C3020	Clay tile flooring	16	C.S.F.	\$2,434.04	\$38,945	3	Lifecycle Replacement	3- Necessary/Not Critical
Commons Building C	E1100	Fryer	3	Ea.	\$12,604.52	\$37,814	2	Lifecycle Replacement	3- Necessary/Not Critical
Commons Building C	C3020	Carpeting	1865	S.Y.	\$127.88	\$238,496	1	Lifecycle Replacement	3- Necessary/Not Critical
Housing Wing F2	D3040	Air handling units	1	Ea.	\$190,645.00	\$190,645	6	Modernization/Improvement	3- Necessary/Not Critical





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Power Plant	D5020	Lighting	125	Ea.	\$288.42	\$36,053	5	Modernization/Improvement	Necessary/Not Critical
Commons Building C	D3040	Air handling units	4	Ea.	\$190,645.00	\$762,580	6	Modernization/Improvement	3- Necessary/Not Critical
Commons Building C	C3020	vinyl flooring	15520	S.F.	\$5.48	\$85,050	4	Lifecycle Replacement	3- Necessary/Not Critical
Rotunda	D5020	Lighting fixture	115	Ea.	\$288.42	\$33,168	8	Modernization/Improvement	3- Necessary/Not Critical
Administration	B2030	Public store front door	11	Ea.	\$4,051.74	\$44,569	6	Modernization/Improvement	3- Necessary/Not Critical
Housing Wing F1	D3040	Air ductwork	34	L.F.	\$74.64	\$2,538	5	Lifecycle Replacement	3- Necessary/Not Critical
Housing Wing F2	D5020	Lighting fixture	46	Ea.	\$288.42	\$13,267	8	Modernization/Improvement	3- Necessary/Not Critical
Commons Building B	D5020	Lighting fixture	205	Ea.	\$288.42	\$59,126	8	Modernization/Improvement	3- Necessary/Not Critical
Commons Building B	B2030	Public store front glass door	4	Ea.	\$4,051.74	\$16,207	6	Modernization/Improvement	3- Necessary/Not Critical
Housing Wing E1	D3040	Air ductwork	34	L.F.	\$74.64	\$2,538	5	Lifecycle Replacement	3- Necessary/Not Critical
Housing Wing F2	E1020	Detention toilet/sink combination units	30	Ea.	\$9,925.38	\$297,761	0	Major Repair	3- Necessary/Not Critical
Commons Building C	C1010	Toilet partitions	30	S.F.	\$8.90	\$267	5	Routine Maintenance	3- Necessary/Not Critical
Commons Building C	E1090	Oven	3	Ea.	\$8,142.46	\$24,427	2	Lifecycle Replacement	3- Necessary/Not Critical





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Power Plant	B2030	Overhead door	6	Ea.	\$14,433.80	\$86,603	0	Lifecycle Replacement	3- Necessary/Not Critical
Commons Building B	D3040	Air handling units	2	Ea.	\$190,645.00	\$381,290	6	Modernization/Improvement	3- Necessary/Not Critical
Rotunda	D2010	Showers	20	Ea.	\$5,304.18	\$106,084	6	Modernization/Improvement	3- Necessary/Not Critical
Housing Wing F2	D3040	Heating and cooling pipe insulation	0.6	M.L.F.	\$23,703.90	\$14,222	7	Energy/Sustainability	3- Necessary/Not Critical
Housing Wing F3	D3040	Heating and cooling pipe insulation	0.6	M.L.F.	\$23,703.90	\$14,222	7	Energy/Sustainability	3- Necessary/Not Critical
Housing Wing F4	D3040	Heating and cooling pipe insulation	0.6	M.L.F.	\$23,703.90	\$14,222	7	Energy/Sustainability	3- Necessary/Not Critical
Housing Wing E1	D3040	Heating and cooling piping insulation	0.6	M.L.F.	\$23,703.90	\$14,222	7	Energy/Sustainability	3- Necessary/Not Critical
Equipment Storage	D5020	Lighting	6	Ea.	\$1,943.86	\$11,663	0	Energy/Sustainability	3- Necessary/Not Critical
Quonset Hut	D3050	Heater	2	Ea.	\$14,030.56	\$28,061	4	Modernization/Improvement	3- Necessary/Not Critical
Administration	B2030	Public store front door	11	Ea.	\$4,051.74	\$44,569	6	Modernization/Improvement	3- Necessary/Not Critical
Administration	C3010	Ceramic wall tile	11	C.S.F.	\$2,579.32	\$28,373	5	Lifecycle Replacement	3- Necessary/Not Critical
Administration	C3020	Clay tile flooring	15	C.S.F.	\$2,434.04	\$36,511	3	Lifecycle Replacement	3- Necessary/Not Critical
Administration	D5020	Fluorescent lighting	158	Ea.	\$288.42	\$45,570	7	Modernization/Improvement	3- Necessary/Not Critical





Commons Building B	D3040	Heating and cooling pipe insulation	2.2	M.L.F.	\$23,703.90	\$52,149	7	Energy/Sustainability	3- Necessary/Not Critical
Administration	C1020	Sliding security doors	1	Ea.	\$3,922.70	\$3,923	3	Modernization/Improvement	4- Recommended
Equipment Storage	D5020	Lighting	4	Ea.	\$2,559.38	\$10,238	0	Modernization/Improvement	4- Recommended
Sallyport Building	B2010	Exterior Wood Wall	1260	S.F.	\$19.16	\$24,142	0	Major Repair	4- Recommended
Administration	C3020	Vinyl flooring	7600	S.F.	\$5.48	\$41,648	4	Lifecycle Replacement	4- Recommended
Administration	B3010	Metal gutters	711	L.F.	\$25.44	\$18,088	8	Routine Maintenance	4- Recommended
Administration	C1010	Toilet partitions	30	S.F.	\$8.90	\$267	5	Routine Maintenance	4- Recommended
Rotunda	B1010	Metal stairs	45	S.F.	\$467.08	\$21,019	5	Major Repair	4- Recommended
Jenkins Building	C1020	Exterior Doors	6	Ea.	\$1,021.74	\$6,130	0	Lifecycle Replacement	4- Recommended
Commons Building B	C3020	vinyl flooring	9200	S.F.	\$5.48	\$50,416	4	Lifecycle Replacement	4- Recommended
Administration	C1010	Toilet partitions	30	S.F.	\$8.90	\$267	5	Routine Maintenance	4- Recommended



ADMINISTRATION BUILDING-EXTERIOR















ADMINISTRATION BUILDING-EXTERIOR





ADMINISTRATION BUILDING-INTERIOR















ADMINISTRATION BUILDING-INTERIOR

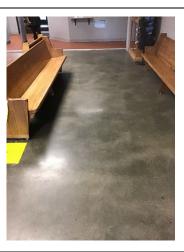










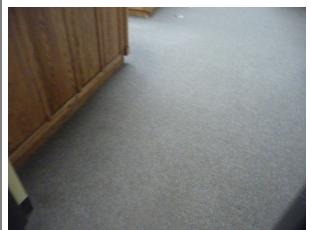




ADMINISTRATION BUILDING-INTERIOR















ADMINISTRATION BUILDING-MECHANICAL, ELECTRICAL & PLUMBING















ADMINISTRATION BUILDING-MECHANICAL, ELECTRICAL & PLUMBING















ADMINISTRATION BUILDING-LIFE SAFETY & SECURITY















COMMONS BUILDING B & C-EXTERIOR















COMMONS BUILDING B & C-EXTERIOR











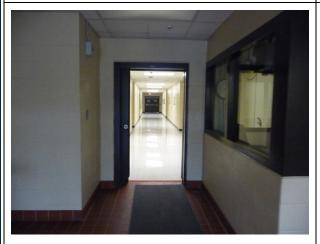




COMMONS BUILDING B & C-INTERIOR















COMMONS BUILDING B & C-INTERIOR















COMMONS BUILDING B & C-INTERIOR







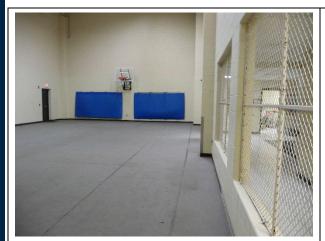








COMMONS BUILDING B & C-INTERIOR















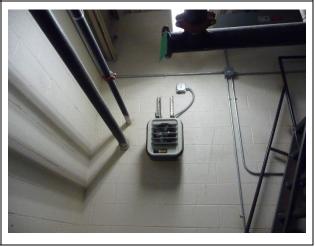


























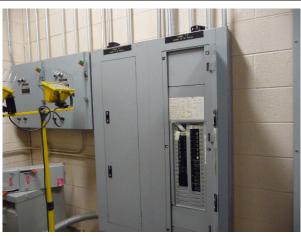












































COMMONS BUILDING B & C-LIFE SAFETY











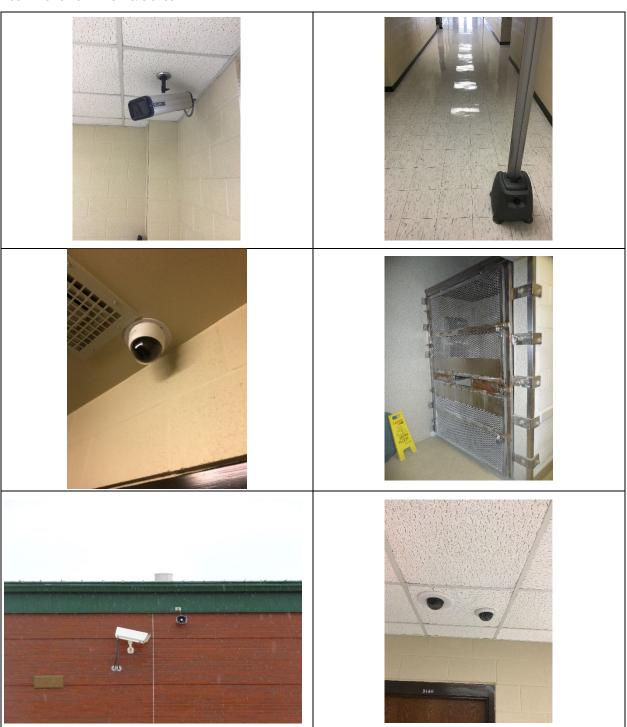




Kansas Department of Corrections

PHOTOS – LARNED CORRECTIONAL MENTAL HEALTH FACILITY

COMMONS BUILDING B & C-SECURITY





ROTUNDA-EXTERIOR



PHOTOS – LARNED CORRECTIONAL MENTAL HEALTH FACILITY













ROTUNDA-EXTERIOR

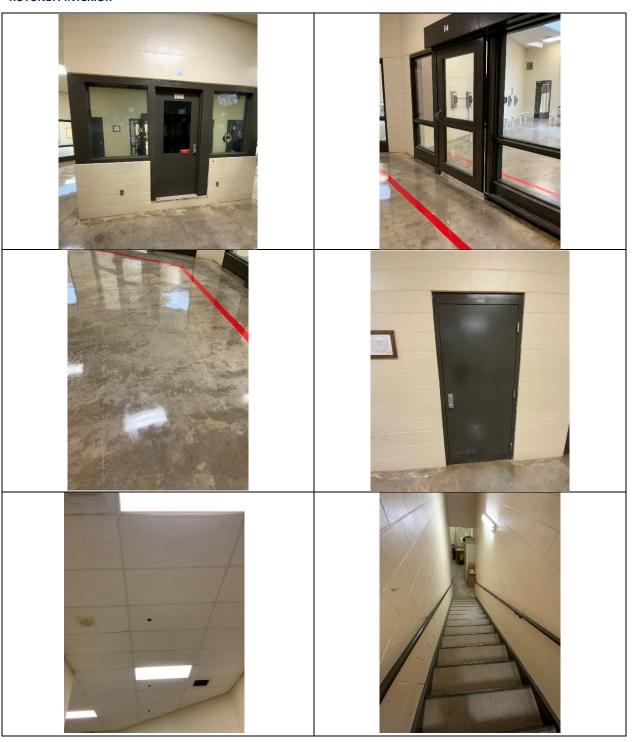








ROTUNDA-INTERIOR





ROTUNDA-MECHANICAL, ELECTRICAL & PLUMBING















ROTUNDA-MECHANICAL, ELECTRICAL & PLUMBING













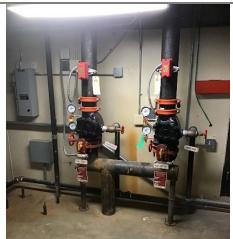


ROTUNDA-MECHANICAL, ELECTRICAL & PLUMBING





ROTUNDA-LIFE SAFETY















ROTUNDA-SECURITY















HOUSING WINGS E, F1, F2, F3 & F4-EXTERIOR















HOUSING WINGS E, F1, F2, F3 & F4-EXTERIOR















HOUSING WING E-INTERIOR















HOUSING WING F1-INTERIOR















HOUSING WING F2-INTERIOR







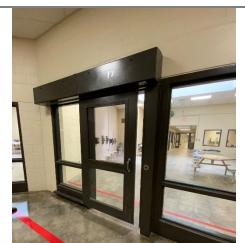






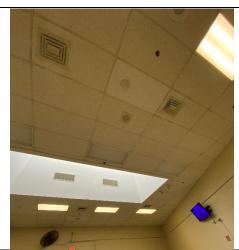


HOUSING WING F3-INTERIOR









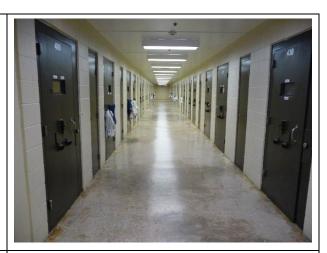






HOUSING WING F4-INTERIOR













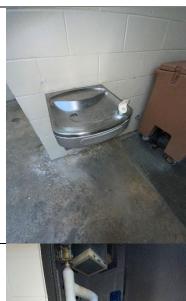


HOUSING WINGS E, F1, F2, F3 & F4-MECHANICAL, ELECTRICAL & PLUMBING





HOUSING WINGS E, F1, F2, F3 & F4-MECHANICAL, ELECTRICAL & PLUMBING

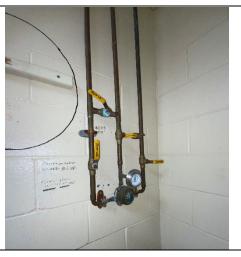














HOUSING WINGS E, F1, F2, F3 & F4-LIFE SAFETY & SECURITY





POWER PLANT-EXTERIOR







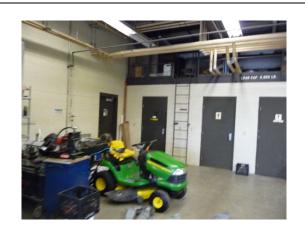








POWER PLANT-INTERIOR





































































POWER PLANT-LIFE SAFETY













SEWAGE LIFT STATION











SALLY PORT-EXTERIOR















SALLY PORT-INTERIOR















EQUIPMENT STORAGE-EXTERIOR















EQUIPMENT STORAGE-INTERIOR















EQUIPMENT STORAGE-MECHANICAL, ELECTRICAL & PLUMBING & LIFE SAFETY











WAREHOUSE-EXTERIOR











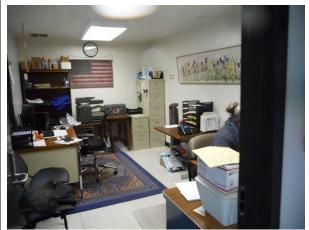




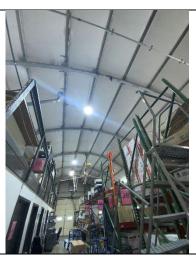
WAREHOUSE-INTERIOR















WAREHOUSE-MECHANICAL, ELECTRICAL & PLUMBING







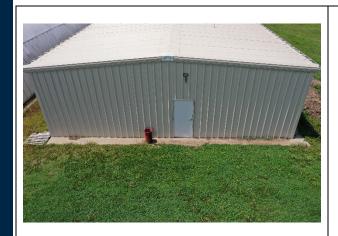








TRAINING CENTER-EXTERIOR















TRAINING CENTER-INTERIOR















TRAINING CENTER-MECHANICAL, ELECTRICAL & PLUMBING











VOCATIONAL BUILDING-EXTERIOR















VOCATIONAL BUILDING-INTERIOR















VOCATIONAL BUILDING-MECHANICAL, ELECTRICAL & PLUMBING

















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