

Kansas Department of Corrections
El Dorado Correctional 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:

El Dorado Correctional 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**

## EL DORADO CORRECTIONAL FACILITY PROPERTY EXECUTIVE SUMMARY

The El Dorado Correctional Facility (EDCF) is located on 614 acres, one mile east of El Dorado, Kansas on state highway 54. The facility is a purpose-built facility because of a class action lawsuit and consists of numerous buildings. The total square footage assessed was approximately 600,910 for this facility. Construction dates of the buildings range from 1991 to 2010. The structures consist of a diverse mixture of building materials, from concrete and metal to wood and masonry.

EDCF is a maximum-security prison housing 1,832 residents located in Prospect Township, Butler County, Kansas east of El Dorado. EDCF is the location of the Kansas Department of Corrections (KDOC) Reception and Diagnostic Unit (RDU), which processes every male resident when they are received into custody. RDU helps determine the resident's custody level, mental health classification, and educational program needs before he is assigned to a facility.

EDCF has two major sites that were surveyed. One site consists of the EDCF, a maximum-security facility east of El Dorado, and the other is a medium-to minimum-security facility El Dorado Correctional Facility Oswego (EDCF Oswego) located in Oswego, KS. EDCF has been separated from the EDCF Oswego facility to give a better depiction of the FCI for the buildings at the facility.

#### **HVAC SYSTEMS**

The air conditioning systems at the EDCF consist of two 150-ton water cooled chillers. Heating is supplied by three gas fired boilers, with AHUs and fan powered boxes located throughout the facility. The chillers were new with construction and are maintained regularly. The boilers and AHUs are all original equipment which was manufactured in 1990 or earlier. CGL recommends a comprehensive preventive maintenance plan to maintain equipment and extend the life of the assets.

#### **ELECTRICAL**

The main power is fed through multiple power panels and step-down transformers throughout the facility. A series of 277/480VAC, three-phase main distribution panels (MDP) are in the main electrical distribution room of the energy center building. The MDP distributes power to mechanical equipment and sub-panels located throughout the site.

Two Cummins generators supply the overall site's emergency power with a total estimated power supply of 1250 kw. The units are exercised weekly with a 10-minute run test. Air filters were last changed February 2015 with Generator 1 at 4,835 hours runtime and Generator 2 at 4,127 hours. Industry and manufacturer standards recommend running a generator for 30 minutes a week under 30% load and a four (4) hour load bank test annually. Diesel fuel should be polished annually to prevent breakdown and ensure generator runs as designed in an emergency.

Infrared (IR) studies are recommended to be done annually on buildings over ten years of age. IR scans can identify problem areas in electrical panels and electrical equipment before failure or safety issues arise. It is recommended that IR scans be conducted on all electrical systems and that annual studies be done moving forward to prevent costly failures and downtime.

#### **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 tankless 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 a few require 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, and 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	El Dorado Correctional Facility
Property Type	Detention Facility
Address	El Dorado, Kansas
Year Built	1991-2010
Number of Levels	Varies (1-2)
Gross Building Area (GSF)	600,910
*Current Replacement Value	\$270,409,500
CRV/GSF (\$/SF)	\$450

<sup>\*</sup> 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:

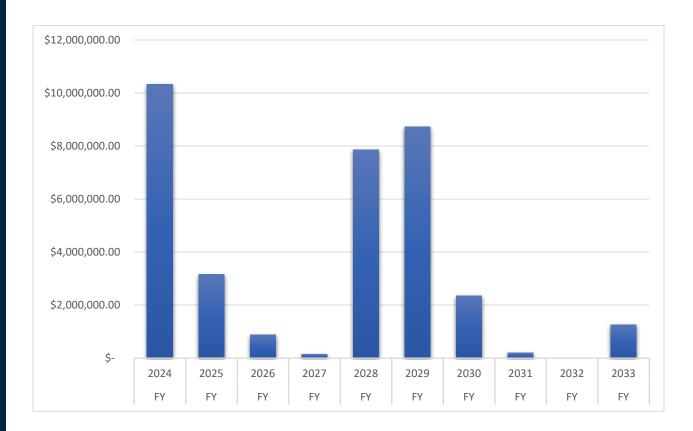
METRIC

KEY FINDINGS	WETRIC
10-Year Facility Condition Needs Index (FCNI)	13%
Immediate Capital Needs (Year 1)	\$10,334,427
Future Capital Needs (Year 2 to Year 10)	\$24,596,484

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 El Dorado Correctional 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:

\$34,930,911

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

**Potentially Critical:** additional deterioration and added repair costs

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

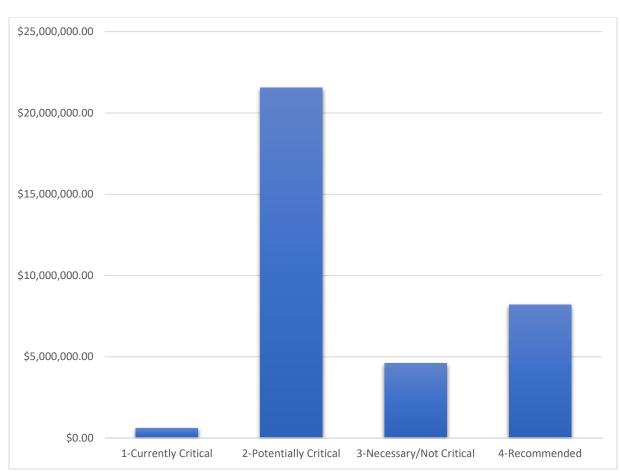
Necessary / Not Critical: to maintain the integrity of the facility or component

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.

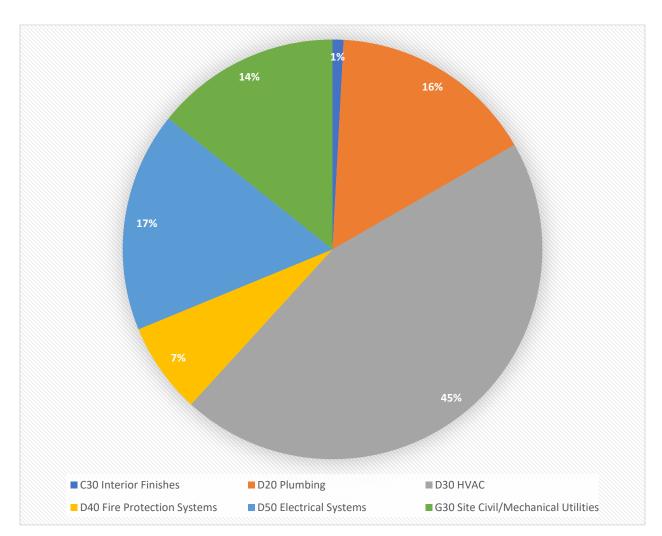
The chart below illustrates the breakdown of expenditure according to the priority coding providing an opportunity to strategically plan and effectively direct funding to the highest priority.





### DISTRIBUTION OF IMMEDIATE NEEDS (YEAR 1) BY BUILDING SYSTEM

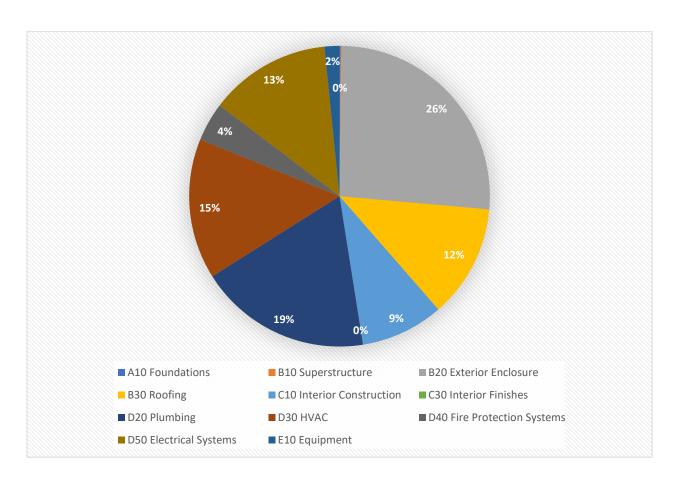
Building System	<b>Estimated Cost</b>	Percent of Total Cost	
C30 Interior Finishes	\$87,853	0.85%	
D20 Plumbing	\$1,638,388	15.85%	
D30 HVAC	\$4,657,154	45.06%	
D40 Fire Protection Systems	\$724,323	7.01%	
D50 Electrical Systems	\$1,751,282	16.95%	
G30 Site Civil/Mechanical Utilities	\$1,475,428	14.28%	





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

Building System	<b>Estimated Cost</b>	Percent of Total Cost
A10 Foundations	\$27,635.68	0.11%
B10 Superstructure	\$25,821.60	0.10%
B20 Exterior Enclosure	\$6,442,380.82	26.19%
B30 Roofing	\$2,993,127.58	12.17%
C10 Interior Construction	\$2,191,487.90	8.91%
C30 Interior Finishes	\$2,048.09	0.01%
D20 Plumbing	\$4,563,533.74	18.55%
D30 HVAC	\$3,713,953.56	15.10%
D40 Fire Protection Systems	\$1,026,461.68	4.17%
D50 Electrical Systems	\$3,215,426.46	13.07%
E10 Equipment	\$394,606.66	1.60%





#### 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:

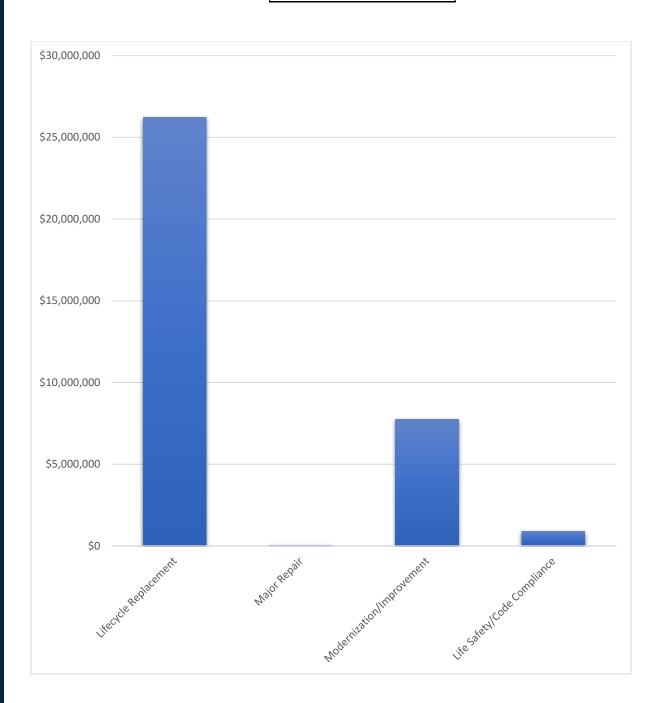
When the repair or replacement of equipment or system is recommended to comply with ADA.

#### 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	\$26,222,520
Major Repair	\$53,457
Modernization/Improvement	\$7,751,634
Life Safety/Code Compliance	\$903,299





#### **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
A Cellhouse	D5030	Smoke Detectors	15	Ea.	\$653.86	\$9,808	0	Life Safety/Code Compliance	1-Currently Critical
Administration	D5030	Smoke Detectors	15	Ea.	\$653.86	\$9,808	0	Life Safety/Code Compliance	1-Currently Critical
Auto Maintenance	D5030	Smoke Detectors	4	Ea.	\$653.86	\$2,615	0	Life Safety/Code Compliance	1-Currently Critical
B Cellhouse	D5030	Smoke Detectors	15	Ea.	\$653.86	\$9,808	0	Life Safety/Code Compliance	1-Currently Critical
C Cellhouse	D5030	Smoke Detectors	15	Ea.	\$653.86	\$9,808	0	Life Safety/Code Compliance	1-Currently Critical
Commons	D5030	Smoke Detectors	25	Ea.	\$653.86	\$16,347	0	Life Safety/Code Compliance	1-Currently Critical
D Cellhouse	D5030	Smoke Detectors	15	Ea.	\$653.86	\$9,808	0	Life Safety/Code Compliance	1-Currently Critical
E Cellhouse	D5030	Smoke Detectors	15	Ea.	\$653.86	\$9,808	0	Life Safety/Code Compliance	1-Currently Critical
Energy Center	D5030	Smoke Detectors	5	Ea.	\$653.86	\$3,269	0	Life Safety/Code Compliance	1-Currently Critical
G Cellhouse	D5030	Smoke Detectors	20	Ea.	\$653.86	\$13,077	0	Life Safety/Code Compliance	1-Currently Critical
L Cellhouse	D5030	Smoke Detectors	20	Ea.	\$653.86	\$13,077	0	Life Safety/Code Compliance	1-Currently Critical
Maintenance	D5030	Smoke Detectors	5	Ea.	\$653.86	\$3,269	0	Life Safety/Code Compliance	1-Currently Critical
Site Utilities	D4010	Backflow Preventer Upgrade	1	Ea.	\$485,263.00	\$485,263	6	Modernization/Improvement	1-Currently Critical
U Dorm	D5030	Smoke Detectors	25	Ea.	\$653.86	\$16,347	0	Life Safety/Code Compliance	1-Currently Critical
A Cellhouse	C3030	Acoustic Ceiling Tile	5	C.S.F.	\$1,255.04	\$6,275	0	Lifecycle Replacement	2-Potentially Critical
A Cellhouse	D4010	Air Compressor	1	Ea.	\$3,810.82	\$3,811	7	Life Safety/Code Compliance	2-Potentially Critical





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A Cellhouse	D3040	Rooftop Exhaust Fans	8	Ea.	\$4,220.22	\$33,762	0	Lifecycle Replacement	2-Potentially Critical
A Cellhouse	D4010	Sprinkler Head	200	Ea.	\$242.14	\$48,428	1	Life Safety/Code Compliance	2-Potentially Critical
A Cellhouse	D4010	Sprinkler System	1	Ea.	\$2,239.78	\$2,240	5	Life Safety/Code Compliance	2-Potentially Critical
A Cellhouse	D2020	Water Pump Motors	5	Ea.	\$27,230.50	\$136,153	0	Lifecycle Replacement	2-Potentially Critical
A Cellhouse	B2030	Sliding Steel Doors	130	Ea.	\$5,039.04	\$655,075	4	Lifecycle Replacement	2-Potentially Critical
A Cellhouse	C1020	Steel Door	15	Ea.	\$728.72	\$10,931	4	Lifecycle Replacement	2-Potentially Critical
A Cellhouse	D3050	Air Handling Units	2	Ea.	\$217,512.60	\$435,025	0	Lifecycle Replacement	2-Potentially Critical
A Cellhouse	C1020	Interior Steel Doors	30	Ea.	\$2,942.10	\$88,263	5	Lifecycle Replacement	2-Potentially Critical
A Cellhouse	D4010	Foam Fire Extinguishers	1	Ea.	\$233.48	\$233	9	Life Safety/Code Compliance	2-Potentially Critical
A Cellhouse	D5030	Fire Alarm Control Panel	1	Ea.	\$27,239.76	\$27,240	9	Life Safety/Code Compliance	2-Potentially Critical
A Cellhouse	C1020	Interior Steel Doors	30	Ea.	\$2,942.10	\$88,263	5	Lifecycle Replacement	2-Potentially Critical
Administration	C3030	Acoustic Ceiling Tile	5	C.S.F.	\$1,255.04	\$6,275	0	Lifecycle Replacement	2-Potentially Critical
Administration	D3050	Air Handling Units	4	Ea.	\$217,512.60	\$870,050	0	Lifecycle Replacement	2-Potentially Critical
Administration	C3010	Drywall	20	S.F.	\$5.68	\$114	5	Lifecycle Replacement	2-Potentially Critical
Administration	C1020	Interior Steel Doors	50	Ea.	\$2,942.10	\$147,105	5	Lifecycle Replacement	2-Potentially Critical
Administration	D2020	Water Pump Motors	3	Ea.	\$27,230.50	\$81,692	0	Lifecycle Replacement	2-Potentially Critical
Administration	D3040	Fan Coil Unit	1	Ea.	\$2,952.06	\$2,952	7	Lifecycle Replacement	2-Potentially Critical
Administration	D3040	Rooftop Exhaust Fans	12	Ea.	\$4,220.22	\$50,643	0	Lifecycle Replacement	2-Potentially Critical
Administration	D4010	Foam Fire Extinguishers	1	Ea.	\$233.48	\$233	9	Life Safety/Code Compliance	2-Potentially Critical





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		Fire Pump							2-Potentially
Administration	D4010	Motors	2	Ea.	\$103,474.66	\$206,949	0	Lifecycle Replacement	Critical
Administration	B2030	Sliding Steel Doors	2	Ea.	\$5,039.04	\$10,078	4	Lifecycle Replacement	2-Potentially Critical
Administration	C1020	Interior Steel Doors	50	Ea.	\$2,942.10	\$147,105	5	Lifecycle Replacement	2-Potentially Critical
Auto Maintenance	D3050	Air Handling Units	1	Ea.	\$217,512.60	\$217,513	0	Lifecycle Replacement	2-Potentially Critical
Auto Maintenance	D3040	Axial Flow Fans	2	Ea.	\$5,366.24	\$10,732	3	Lifecycle Replacement	2-Potentially Critical
Auto Maintenance	C1020	Interior Steel Doors	4	Ea.	\$2,942.10	\$11,768	5	Lifecycle Replacement	2-Potentially Critical
Auto Maintenance	D3040	Rooftop Exhaust Fans	8	Ea.	\$4,220.22	\$33,762	0	Lifecycle Replacement	2-Potentially Critical
Auto Maintenance	D4010	Foam Fire Extinguishers	1	Ea.	\$233.48	\$233	9	Life Safety/Code Compliance	2-Potentially Critical
Auto Maintenance	C1020	Interior Steel Doors	4	Ea.	\$2,942.10	\$11,768	5	Lifecycle Replacement	2-Potentially Critical
Auto Maintenance	C1020	Steel Door	6	Ea.	\$728.72	\$4,372	4	Lifecycle Replacement	2-Potentially Critical
B Cellhouse	C3030	Acoustic Ceiling Tile	5	C.S.F.	\$1,255.04	\$6,275	0	Lifecycle Replacement	2-Potentially Critical
B Cellhouse	D4010	Air Compressor	1	Ea.	\$3,810.82	\$3,811	7	Life Safety/Code Compliance	2-Potentially Critical
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B Cellhouse	D2020	Water Pump Motors	5	Ea.	\$27,230.50	\$136,153	0	Lifecycle Replacement	2-Potentially Critical
B Cellhouse	D3040	Rooftop Exhaust Fans	8	Ea.	\$4,220.22	\$33,762	0	Lifecycle Replacement	2-Potentially Critical
B Cellhouse	D4010	Sprinkler System	1	Ea.	\$2,239.78	\$2,240	5	Life Safety/Code Compliance	2-Potentially Critical
B Cellhouse	D4010	Sprinkler Head	200	Ea.	\$242.14	\$48,428	1	Life Safety/Code Compliance	2-Potentially Critical
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B Cellhouse	B2030	Sliding Steel Doors	130	Ea.	\$5,039.04	\$655,075	4	Lifecycle Replacement	2-Potentially Critical





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B Cellhouse	C1020	Steel Door	15	Ea.	\$728.72	\$10,931	4	Lifecycle Replacement	2-Potentially Critical
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C Cellhouse	C1020	Steel Door	15	Ea.	\$728.72	\$10,931	4	Lifecycle Replacement	2-Potentially Critical
Commons	E1090	Kitchen Hoods	4	Ea.	\$6,287.04	\$25,148	6	Lifecycle Replacement	2-Potentially Critical
Commons	B3010	Membrane Roofing	10000	Sq.	\$10.72	\$107,200	5	Lifecycle Replacement	2-Potentially Critical
Commons	E1090	Ovens	6	Ea.	\$14,965.22	\$89,791	7	Lifecycle Replacement	2-Potentially Critical
Commons	D3040	Rooftop make up Units	10	Ea.	\$9,414.28	\$94,143	3	Lifecycle Replacement	2-Potentially Critical





Commons	E1090	Steam Kettles	5	Ea.	\$25,910.54	\$129,553	6	Lifecycle Replacement	2-Potentially Critical
Commons	E1070	Walk-in Coolers	4	Ea.	\$16,536.30	\$66,145	4	Lifecycle Replacement	2-Potentially Critical
Commons	C3030	Acoustic Ceiling Tile	15	C.S.F.	\$1,255.04	\$18,826	0	Lifecycle Replacement	2-Potentially Critical
Commons	D3050	Air Conditioning Unit	2	Ea.	\$19,601.92	\$39,204	0	Lifecycle Replacement	2-Potentially Critical
Commons	D3050	Air Handling Units	2	Ea.	\$217,512.60	\$435,025	0	Lifecycle Replacement	2-Potentially Critical
Commons	C1020	Interior Steel Doors	50	Ea.	\$2,942.10	\$147,105	5	Lifecycle Replacement	2-Potentially Critical
Commons	D2020	Water Pump Motors	3	Ea.	\$27,230.50	\$81,692	0	Lifecycle Replacement	2-Potentially Critical
Commons	D3020	Gas Boiler	1	Ea.	\$30,473.76	\$30,474	1	Lifecycle Replacement	2-Potentially Critical
Commons	D3040	Fan Coil Unit	8	Ea.	\$2,952.06	\$23,616	7	Lifecycle Replacement	2-Potentially Critical
Commons	D3040	Rooftop Exhaust Fans	35	Ea.	\$4,220.22	\$147,708	0	Lifecycle Replacement	2-Potentially Critical
Commons	D4010	Sprinkler System	1	Ea.	\$2,239.78	\$2,240	5	Life Safety/Code Compliance	2-Potentially Critical
Commons	D4010	Foam Fire Extinguishers	1	Ea.	\$233.48	\$233	9	Life Safety/Code Compliance	2-Potentially Critical
Commons	D4010	Sprinkler Head	250	Ea.	\$242.14	\$60,535	1	Life Safety/Code Compliance	2-Potentially Critical
Commons	D5030	Fire Alarm Control Panel	1	Ea.	\$27,239.76	\$27,240	9	Life Safety/Code Compliance	2-Potentially Critical
Commons	E1110	Flat Top Grills	3	Ea.	\$5,941.36	\$17,824	6	Lifecycle Replacement	2-Potentially Critical
Commons	B2030	Sliding Steel Doors	4	Ea.	\$5,039.04	\$20,156	4	Lifecycle Replacement	2-Potentially Critical
Commons	C1020	Interior Steel Doors	50	Ea.	\$2,942.10	\$147,105	5	Lifecycle Replacement	2-Potentially Critical
Compound Shakedown East	D3040	Fan Coil Unit	1	Ea.	\$2,952.06	\$2,952	7	Lifecycle Replacement	2-Potentially Critical
Compound Shakedown East	C1020	Steel Door	1	Ea.	\$728.72	\$729	4	Lifecycle Replacement	2-Potentially Critical







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Compound Shakedown West	D3040	Fan Coil Unit	1	Ea.	\$2,952.06	\$2,952	7	Lifecycle Replacement	2-Potentially Critical
Compound Shakedown West	C1020	Steel Door	1	Ea.	\$728.72	\$729	4	Lifecycle Replacement	2-Potentially Critical
D Cellhouse	C3030	Acoustic Ceiling Tile	5	C.S.F.	\$1,255.04	\$6,275	0	Lifecycle Replacement	2-Potentially Critical
D Cellhouse	D4010	Air Compressor	1	Ea.	\$3,810.82	\$3,811	7	Life Safety/Code Compliance	2-Potentially Critical
D Cellhouse	D3050	Air Handling Units	2	Ea.	\$217,512.60	\$435,025	0	Lifecycle Replacement	2-Potentially Critical
D Cellhouse	C1020	Interior Steel Doors	30	Ea.	\$2,942.10	\$88,263	5	Lifecycle Replacement	2-Potentially Critical
D Cellhouse	D2020	Water Pump Motors	5	Ea.	\$27,230.50	\$136,153	0	Lifecycle Replacement	2-Potentially Critical
D Cellhouse	D3040	Rooftop Exhaust Fans	8	Ea.	\$4,220.22	\$33,762	0	Lifecycle Replacement	2-Potentially Critical
D Cellhouse	D4010	Sprinkler System	1	Ea.	\$2,239.78	\$2,240	5	Life Safety/Code Compliance	2-Potentially Critical
D Cellhouse	D4010	Foam Fire Extinguishers	1	Ea.	\$233.48	\$233	9	Life Safety/Code Compliance	2-Potentially Critical
D Cellhouse	D4010	Sprinkler Head	200	Ea.	\$242.14	\$48,428	1	Life Safety/Code Compliance	2-Potentially Critical
D Cellhouse	D5030	Fire Alarm Control Panel	1	Ea.	\$27,239.76	\$27,240	9	Life Safety/Code Compliance	2-Potentially Critical
D Cellhouse	B2030	Sliding Steel Doors	130	Ea.	\$5,039.04	\$655,075	4	Lifecycle Replacement	2-Potentially Critical
D Cellhouse	C1020	Interior Steel Doors	30	Ea.	\$2,942.10	\$88,263	5	Lifecycle Replacement	2-Potentially Critical
D Cellhouse	C1020	Steel Door	15	Ea.	\$728.72	\$10,931	4	Lifecycle Replacement	2-Potentially Critical
E Cellhouse	C3030	Acoustic Ceiling Tile	5	C.S.F.	\$1,255.04	\$6,275	0	Lifecycle Replacement	2-Potentially Critical
E Cellhouse	D4010	Air Compressor	1	Ea.	\$3,810.82	\$3,811	7	Life Safety/Code Compliance	2-Potentially Critical
E Cellhouse	D3050	Air Handling Units	2	Ea.	\$217,512.60	\$435,025	0	Lifecycle Replacement	2-Potentially Critical







E Cellhouse	C1020	Interior Steel Doors	30	Ea.	\$2,942.10	\$88,263	5	Lifecycle Replacement	2-Potentially Critical
E Cellhouse	D2020	Water Pump Motors	5	Ea.	\$27,230.50	\$136,153	0	Lifecycle Replacement	2-Potentially Critical
E Cellhouse	D3040	Rooftop Exhaust Fans	8	Ea.	\$4,220.22	\$33,762	0	Lifecycle Replacement	2-Potentially Critical
E Cellhouse	D4010	Sprinkler System	1	Ea.	\$2,239.78	\$2,240	5	Life Safety/Code Compliance	2-Potentially Critical
E Cellhouse	D4010	Foam Fire Extinguishers	1	Ea.	\$233.48	\$233	9	Life Safety/Code Compliance	2-Potentially Critical
E Cellhouse	D4010	Sprinkler Head	200	Ea.	\$242.14	\$48,428	1	Life Safety/Code Compliance	2-Potentially Critical
E Cellhouse	D5030	Fire Alarm Control Panel	1	Ea.	\$27,239.76	\$27,240	9	Life Safety/Code Compliance	2-Potentially Critical
E Cellhouse	B2030	Sliding Steel Doors	130	Ea.	\$5,039.04	\$655,075	4	Lifecycle Replacement	2-Potentially Critical
E Cellhouse	C1020	Interior Steel Doors	30	Ea.	\$2,942.10	\$88,263	5	Lifecycle Replacement	2-Potentially Critical
E Cellhouse	C1020	Steel Door	15	Ea.	\$728.72	\$10,931	4	Lifecycle Replacement	2-Potentially Critical
Energy Center	D3030	Centrifugal Chiller	2	Ea.	\$306,792.40	\$613,585	2	Lifecycle Replacement	2-Potentially Critical
Energy Center	C3030	Acoustic Ceiling Tile	5	C.S.F.	\$1,255.04	\$6,275	0	Lifecycle Replacement	2-Potentially Critical
Energy Center	D3040	Axial Flow Fans	2	Ea.	\$5,366.24	\$10,732	3	Lifecycle Replacement	2-Potentially Critical
Energy Center	D3020	Chemical Treatment Feed	1	Ea.	\$2,160.96	\$2,161	2	Lifecycle Replacement	2-Potentially Critical
Energy Center	C1020	Interior Steel Doors	4	Ea.	\$2,942.10	\$11,768	5	Lifecycle Replacement	2-Potentially Critical
Energy Center	D2020	Water Pump Motors	6	Ea.	\$27,230.50	\$163,383	0	Lifecycle Replacement	2-Potentially Critical
Energy Center	D3020	Gas Boiler	3	Ea.	\$875,387.20	\$2,626,162	1	Modernization/Improvement	2-Potentially Critical
Energy Center	D3040	Fan Coil Unit	2	Ea.	\$2,952.06	\$5,904	7	Lifecycle Replacement	2-Potentially Critical
Energy Center	D3040	Rooftop Exhaust Fans	7	Ea.	\$4,220.22	\$29,542	0	Lifecycle Replacement	2-Potentially Critical





Energy Center	D4010	Fire Pump Motors	2	Ea.	\$103,474.66	\$206,949	0	Lifecycle Replacement	2-Potentially Critical
Energy Center	D5030	Fire Alarm Control Panel	1	Ea.	\$27,239.76	\$27,240	9	Life Safety/Code Compliance	2-Potentially Critical
Energy Center	C1020	Interior Steel Doors	4	Ea.	\$2,942.10	\$11,768	5	Lifecycle Replacement	2-Potentially Critical
Energy Center	C1020	Steel Door	4	Ea.	\$728.72	\$2,915	4	Lifecycle Replacement	2-Potentially Critical
G Cellhouse	C3030	Acoustic Ceiling Tile	5	C.S.F.	\$1,255.04	\$6,275	0	Lifecycle Replacement	2-Potentially Critical
G Cellhouse	D4010	Air Compressor	1	Ea.	\$3,810.82	\$3,811	7	Life Safety/Code Compliance	2-Potentially Critical
G Cellhouse	B3010	Membrane Roofing	4175	Sq.	\$10.72	\$44,756	5	Lifecycle Replacement	2-Potentially Critical
G Cellhouse	C1020	Interior Steel Doors	20	Ea.	\$2,942.10	\$58,842	5	Lifecycle Replacement	2-Potentially Critical
G Cellhouse	D2020	Water Pump Motors	4	Ea.	\$27,230.50	\$108,922	0	Lifecycle Replacement	2-Potentially Critical
G Cellhouse	D3040	Rooftop Exhaust Fans	11	Ea.	\$4,220.22	\$46,422	0	Lifecycle Replacement	2-Potentially Critical
G Cellhouse	D4010	Sprinkler System	1	Ea.	\$2,239.78	\$2,240	5	Life Safety/Code Compliance	2-Potentially Critical
G Cellhouse	D4010	Foam Fire Extinguishers	1	Ea.	\$233.48	\$233	9	Life Safety/Code Compliance	2-Potentially Critical
G Cellhouse	D4010	Sprinkler Head	200	Ea.	\$242.14	\$48,428	1	Life Safety/Code Compliance	2-Potentially Critical
G Cellhouse	D5030	Fire Alarm Control Panel	1	Ea.	\$27,239.76	\$27,240	9	Life Safety/Code Compliance	2-Potentially Critical
G Cellhouse	B2030	Sliding Steel Doors	134	Ea.	\$5,039.04	\$675,231	4	Lifecycle Replacement	2-Potentially Critical
G Cellhouse	C1020	Interior Steel Doors	20	Ea.	\$2,942.10	\$58,842	5	Lifecycle Replacement	2-Potentially Critical
G Cellhouse	C1020	Steel Door	8	Ea.	\$728.72	\$5,830	4	Lifecycle Replacement	2-Potentially Critical
Heartbeat Center	C1020	Interior Steel Doors	1	Ea.	\$2,942.10	\$2,942	5	Lifecycle Replacement	2-Potentially Critical
Heartbeat Center	D4010	Foam Fire Extinguishers	1	Ea.	\$233.48	\$233	9	Life Safety/Code Compliance	2-Potentially Critical







Heartbeat Center	C1020	Interior Steel Doors	1	Ea.	\$2,942.10	\$2,942	5	Lifecycle Replacement	2-Potentially Critical
Heartbeat Center	C1020	Steel Door	1	Ea.	\$728.72	\$729	4	Lifecycle Replacement	2-Potentially Critical
L Cellhouse	C3030	Acoustic Ceiling Tile	5	C.S.F.	\$1,255.04	\$6,275	0	Lifecycle Replacement	2-Potentially Critical
L Cellhouse	D4010	Air Compressor	1	Ea.	\$3,810.82	\$3,811	7	Life Safety/Code Compliance	2-Potentially Critical
L Cellhouse	D3020	Chemical Treatment Feed	1	Ea.	\$2,160.96	\$2,161	2	Lifecycle Replacement	2-Potentially Critical
L Cellhouse	B3010	Membrane Roofing	1000	Sq.	\$10.72	\$10,720	5	Lifecycle Replacement	2-Potentially Critical
L Cellhouse	C1020	Interior Steel Doors	20	Ea.	\$2,942.10	\$58,842	5	Lifecycle Replacement	2-Potentially Critical
L Cellhouse	D2020	Water Pump Motors	4	Ea.	\$27,230.50	\$108,922	0	Lifecycle Replacement	2-Potentially Critical
L Cellhouse	D3040	Rooftop Exhaust Fans	11	Ea.	\$4,220.22	\$46,422	0	Lifecycle Replacement	2-Potentially Critical
L Cellhouse	D4010	Sprinkler System	1	Ea.	\$2,239.78	\$2,240	5	Life Safety/Code Compliance	2-Potentially Critical
L Cellhouse	D4010	Foam Fire Extinguishers	1	Ea.	\$233.48	\$233	9	Life Safety/Code Compliance	2-Potentially Critical
L Cellhouse	D4010	Sprinkler Head	200	Ea.	\$242.14	\$48,428	1	Life Safety/Code Compliance	2-Potentially Critical
L Cellhouse	D5030	Fire Alarm Control Panel	1	Ea.	\$27,239.76	\$27,240	9	Life Safety/Code Compliance	2-Potentially Critical
L Cellhouse	B2030	Sliding Steel Doors	134	Ea.	\$5,039.04	\$675,231	4	Lifecycle Replacement	2-Potentially Critical
L Cellhouse	C1020	Interior Steel Doors	20	Ea.	\$2,942.10	\$58,842	5	Lifecycle Replacement	2-Potentially Critical
L Cellhouse	C1020	Steel Door	8	Ea.	\$728.72	\$5,830	4	Lifecycle Replacement	2-Potentially Critical
Maintenance	D3050	Air Handling Units	1	Ea.	\$217,512.60	\$217,513	0	Lifecycle Replacement	2-Potentially Critical
Maintenance	D3040	Axial Flow Fans	2	Ea.	\$5,366.24	\$10,732	3	Lifecycle Replacement	2-Potentially Critical
Maintenance	D3020	Chemical Treatment Feed	1	Ea.	\$2,160.96	\$2,161	2	Lifecycle Replacement	2-Potentially Critical





Maintenance	C1020	Interior Steel Doors	5	Ea.	\$2,942.10	\$14,711	5	Lifecycle Replacement	2-Potentially Critical
Maintenance	D2020	Water Pump Motors	3	Ea.	\$27,230.50	\$81,692	0	Lifecycle Replacement	2-Potentially Critical
Maintenance	D3040	Fan Coil Unit	6	Ea.	\$2,952.06	\$17,712	7	Lifecycle Replacement	2-Potentially Critical
Maintenance	D3040	Rooftop Exhaust Fans	10	Ea.	\$4,220.22	\$42,202	0	Lifecycle Replacement	2-Potentially Critical
Maintenance	D4010	Foam Fire Extinguishers	1	Ea.	\$233.48	\$233	9	Life Safety/Code Compliance	2-Potentially Critical
Maintenance	C1020	Interior Steel Doors	5	Ea.	\$2,942.10	\$14,711	5	Lifecycle Replacement	2-Potentially Critical
Maintenance	C1020	Steel Door	6	Ea.	\$728.72	\$4,372	4	Lifecycle Replacement	2-Potentially Critical
New Training Center	D3050	Air Conditioning Unit	1	Ea.	\$19,601.92	\$19,602	0	Lifecycle Replacement	2-Potentially Critical
New Training Center	C1020	Steel Door	3	Ea.	\$728.72	\$2,186	4	Lifecycle Replacement	2-Potentially Critical
Quonset Hut	C1020	Steel Door	1	Ea.	\$728.72	\$729	4	Lifecycle Replacement	2-Potentially Critical
Site Utilities	D5010	Underground Main electrical service	13	Ea.	\$124,956.40	\$1,624,433	0	Lifecycle Replacement	2-Potentially Critical
Site Utilities	G3020	Underground Main Sewage Drain	250	L.F.	\$3,320.66	\$830,165	0	Lifecycle Replacement	2-Potentially Critical
Site Utilities	G3010	Underground Main water supply, over 6 inches	25	Ea.	\$25,810.50	\$645,263	0	Lifecycle Replacement	2-Potentially Critical
Training Center	C3030	Acoustic Ceiling Tile	5	C.S.F.	\$1,255.04	\$6,275	0	Lifecycle Replacement	2-Potentially Critical
U Dorm	C3030	Acoustic Ceiling Tile	5	C.S.F.	\$1,255.04	\$6,275	0	Lifecycle Replacement	2-Potentially Critical
U Dorm	D2020	Water Pump Motors	3	Ea.	\$27,230.50	\$81,692	0	Lifecycle Replacement	2-Potentially Critical
U Dorm	D3040	Fan Coil Unit	2	Ea.	\$2,952.06	\$5,904	7	Lifecycle Replacement	2-Potentially Critical





U Dorm	D4010	Sprinkler System	1	Ea.	\$2,239.78	\$2,240	5	Life Safety/Code Compliance	2-Potentially Critical
U Dorm	D4010	Foam Fire Extinguishers	1	Ea.	\$233.48	\$233	9	Life Safety/Code Compliance	2-Potentially Critical
U Dorm	D4010	Sprinkler Head	100	Ea.	\$242.14	\$24,214	1	Life Safety/Code Compliance	2-Potentially Critical
U Dorm	C1020	Steel Door	10	Ea.	\$728.72	\$7,287	4	Lifecycle Replacement	2-Potentially Critical
V Building Industries	D3050	Air Conditioning Unit	2	Ea.	\$19,601.92	\$39,204	0	Lifecycle Replacement	2-Potentially Critical
V Building Industries	D3050	Air Handling Units	2	Ea.	\$217,512.60	\$435,025	0	Lifecycle Replacement	2-Potentially Critical
V Building Industries	D3040	Axial Flow Fans	2	Ea.	\$5,366.24	\$10,732	3	Lifecycle Replacement	2-Potentially Critical
V Building Industries	C1020	Interior Steel Doors	5	Ea.	\$2,942.10	\$14,711	5	Lifecycle Replacement	2-Potentially Critical
V Building Industries	D2020	Water Pump Motors	2	Ea.	\$27,230.50	\$54,461	0	Lifecycle Replacement	2-Potentially Critical
V Building Industries	D4010	Sprinkler System	1	Ea.	\$2,239.78	\$2,240	5	Life Safety/Code Compliance	2-Potentially Critical
V Building Industries	D4010	Foam Fire Extinguishers	1	Ea.	\$233.48	\$233	9	Life Safety/Code Compliance	2-Potentially Critical
V Building Industries	D4010	Sprinkler Head	100	Ea.	\$242.14	\$24,214	1	Life Safety/Code Compliance	2-Potentially Critical
V Building Industries	D4010	Fire Pump Motors	1	Ea.	\$103,474.66	\$103,475	0	Lifecycle Replacement	2-Potentially Critical
V Building Industries	C1020	Interior Steel Doors	5	Ea.	\$2,942.10	\$14,711	5	Lifecycle Replacement	2-Potentially Critical
V Building Industries	C1020	Steel Door	5	Ea.	\$728.72	\$3,644	4	Lifecycle Replacement	2-Potentially Critical
Warehouse	D3050	Air Conditioning Unit	4	Ea.	\$19,601.92	\$78,408	0	Lifecycle Replacement	2-Potentially Critical
Warehouse	D3040	Axial Flow Fans	3	Ea.	\$5,366.24	\$16,099	3	Lifecycle Replacement	2-Potentially Critical
Warehouse	D3020	Chemical Treatment Feed	1	Ea.	\$2,160.96	\$2,161	2	Lifecycle Replacement	2-Potentially Critical
Warehouse	C1020	Interior Steel Doors	5	Ea.	\$2,942.10	\$14,711	5	Lifecycle Replacement	2-Potentially Critical





Warehouse	D2020	Water Pump Motors	3	Ea.	\$27,230.50	\$81,692	0	Lifecycle Replacement	2-Potentially Critical
Warehouse	D3040	Fan Coil Unit	6	Ea.	\$2,952.06	\$17,712	7	Lifecycle Replacement	2-Potentially Critical
Warehouse	D4010	Sprinkler System	1	Ea.	\$2,239.78	\$2,240	5	Life Safety/Code Compliance	2-Potentially Critical
Warehouse	D4010	Foam Fire Extinguishers	1	Ea.	\$233.48	\$233	9	Life Safety/Code Compliance	2-Potentially Critical
Warehouse	D4010	Sprinkler Head	100	Ea.	\$242.14	\$24,214	1	Life Safety/Code Compliance	2-Potentially Critical
Warehouse	D4010	Fire Pump Motors	2	Ea.	\$103,474.66	\$206,949	0	Lifecycle Replacement	2-Potentially Critical
Warehouse	D4020	Gas Air Compressor	1	Ea.	\$4,537.72	\$4,538	7	Life Safety/Code Compliance	2-Potentially Critical
Warehouse	E1070	Walk-in Coolers	4	Ea.	\$16,536.30	\$66,145	4	Lifecycle Replacement	2-Potentially Critical
Warehouse	C1020	Interior Steel Doors	5	Ea.	\$2,942.10	\$14,711	5	Lifecycle Replacement	2-Potentially Critical
Warehouse	C1020	Steel Door	4	Ea.	\$728.72	\$2,915	4	Lifecycle Replacement	2-Potentially Critical
A Cellhouse	D5020	Incandescent Light Fixtures	5	Ea.	\$324.46	\$1,622	1	Modernization/Improvement	3- Necessary/Not Critical
A Cellhouse	D2010	Tankless Toilets	130	Ea.	\$3,064.62	\$398,401	5	Lifecycle Replacement	3- Necessary/Not Critical
A Cellhouse	D2020	Water Heater	1	Ea.	\$33,493.02	\$33,493	9	Lifecycle Replacement	3- Necessary/Not Critical
A Cellhouse	A1030	Concrete Landing	1	C.S.F.	\$1,348.74	\$1,349	2	Major Repair	3- Necessary/Not Critical
A Cellhouse	A1030	Concrete Landing	4.07	C.S.F.	\$1,348.74	\$5,489	2	Major Repair	3- Necessary/Not Critical
A Cellhouse	D3040	Duct Heater	2	Ea.	\$5,282.20	\$10,564	2	Lifecycle Replacement	3- Necessary/Not Critical





A Cellhouse	D3040	Duct Heater	6	Ea.	\$5,282.20	\$31,693	2	Lifecycle Replacement	3- Necessary/Not Critical
Administration	C1030	Toilet Partitions	9	Unit	\$3,061.42	\$27,553	5	Lifecycle Replacement	3- Necessary/Not Critical
Administration	D2010	Urinal	7	Ea.	\$2,579.10	\$18,054	0	Modernization/Improvement	3- Necessary/Not Critical
Administration	C3010	Ceramic Tile Wall Finish	0.25	C.S.F.	\$2,579.32	\$645	4	Modernization/Improvement	3- Necessary/Not Critical
Administration	A1030	Concrete Landing	5	C.S.F.	\$1,348.74	\$6,744	2	Major Repair	3- Necessary/Not Critical
Administration	C1030	Toilet Partitions	9	Unit	\$3,061.42	\$27,553	5	Lifecycle Replacement	3- Necessary/Not Critical
Administration	D2010	Tankless Toilets	14	Ea.	\$3,064.62	\$42,905	5	Lifecycle Replacement	3- Necessary/Not Critical
Administration	D2020	Water Heater	1	Ea.	\$33,493.02	\$33,493	9	Lifecycle Replacement	3- Necessary/Not Critical
Administration	D5020	Incandescent Light Fixtures	10	Ea.	\$324.46	\$3,245	1	Modernization/Improvement	3- Necessary/Not Critical
Auto Maintenance	D2010	Tankless Toilets	3	Ea.	\$3,064.62	\$9,194	5	Lifecycle Replacement	3- Necessary/Not Critical
Auto Maintenance	D2010	Urinal	3	Ea.	\$2,579.10	\$7,737	0	Modernization/Improvement	3- Necessary/Not Critical
Auto Maintenance	D5020	Incandescent Light Fixtures	2	Ea.	\$324.46	\$649	1	Modernization/Improvement	3- Necessary/Not Critical
B Cellhouse	D2010	Tankless Toilets	130	Ea.	\$3,064.62	\$398,401	5	Lifecycle Replacement	3- Necessary/Not Critical





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B Cellhouse	D2020	Water Heater	1	Ea.	\$33,493.02	\$33,493	9	Lifecycle Replacement	Necessary/Not Critical
C Cellhouse	A1030	Concrete Landing	1	C.S.F.	\$1,348.74	\$1,349	2	Major Repair	3- Necessary/Not Critical
C Cellhouse	B1010	Concrete Stairs	60	S.F.	\$61.48	\$3,689	2	Major Repair	3- Necessary/Not Critical
C Cellhouse	D3040	Duct Heater	2	Ea.	\$5,282.20	\$10,564	2	Lifecycle Replacement	3- Necessary/Not Critical
C Cellhouse	D2010	Tankless Toilets	130	Ea.	\$3,064.62	\$398,401	5	Lifecycle Replacement	3- Necessary/Not Critical
C Cellhouse	D2020	Water Heater	1	Ea.	\$33,493.02	\$33,493	9	Lifecycle Replacement	3- Necessary/Not Critical
C Cellhouse	D5020	Incandescent Light Fixtures	10	Ea.	\$324.46	\$3,245	1	Modernization/Improvement	3- Necessary/Not Critical
Commons	C3010	Ceramic Tile Wall Finish	0.5	C.S.F.	\$2,579.32	\$1,290	4	Modernization/Improvement	3- Necessary/Not Critical
Commons	A1030	Concrete Landing	0.5	C.S.F.	\$1,348.74	\$674	2	Major Repair	3- Necessary/Not Critical
Commons	B1010	Concrete Stairs	60	S.F.	\$61.48	\$3,689	2	Major Repair	3- Necessary/Not Critical
Commons	D3040	Duct Heater	6	Ea.	\$5,282.20	\$31,693	2	Lifecycle Replacement	3- Necessary/Not Critical
Commons	C1030	Toilet Partitions	17	Unit	\$3,061.42	\$52,044	5	Lifecycle Replacement	3- Necessary/Not Critical
Commons	D2010	Tankless Toilets	43	Ea.	\$3,064.62	\$131,779	5	Lifecycle Replacement	3- Necessary/Not Critical





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Commons	D2010	Urinal	21	Ea.	\$2,579.10	\$54,161	0	Modernization/Improvement	Necessary/Not Critical
Commons	D2020	Water Heater	3	Ea.	\$33,493.02	\$100,479	9	Lifecycle Replacement	3- Necessary/Not Critical
Compound Shakedown East	A1030	Concrete Landing	1	C.S.F.	\$1,348.74	\$1,349	2	Major Repair	3- Necessary/Not Critical
Compound Shakedown East	D2010	Tankless Toilets	1	Ea.	\$3,064.62	\$3,065	5	Lifecycle Replacement	3- Necessary/Not Critical
Compound Shakedown East	D5020	Incandescent Light Fixtures	2	Ea.	\$324.46	\$649	1	Modernization/Improvement	3- Necessary/Not Critical
Compound Shakedown West	D5020	Incandescent Light Fixtures	2	Ea.	\$324.46	\$649	1	Modernization/Improvement	3- Necessary/Not Critical
D Cellhouse	B1010	Concrete Stairs	60	S.F.	\$61.48	\$3,689	2	Major Repair	3- Necessary/Not Critical
D Cellhouse	D3040	Duct Heater	2	Ea.	\$5,282.20	\$10,564	2	Lifecycle Replacement	3- Necessary/Not Critical
D Cellhouse	D2010	Tankless Toilets	130	Ea.	\$3,064.62	\$398,401	5	Lifecycle Replacement	3- Necessary/Not Critical
D Cellhouse	D2020	Water Heater	1	Ea.	\$33,493.02	\$33,493	9	Lifecycle Replacement	3- Necessary/Not Critical
E Cellhouse	B1010	Concrete Stairs	60	S.F.	\$61.48	\$3,689	2	Major Repair	3- Necessary/Not Critical
E Cellhouse	D2010	Tankless Toilets	130	Ea.	\$3,064.62	\$398,401	5	Lifecycle Replacement	3- Necessary/Not Critical
E Cellhouse	D2020	Water Heater	1	Ea.	\$33,493.02	\$33,493	9	Lifecycle Replacement	3- Necessary/Not Critical





E Cellhouse	D5020	Incandescent Light Fixtures	5	Ea.	\$324.46	\$1,622	1	Modernization/Improvement	3- Necessary/Not Critical
Energy Center	A1030	Concrete Landing	1.5	C.S.F.	\$1,348.74	\$2,023	2	Major Repair	3- Necessary/Not Critical
Energy Center	B1010	Concrete Stairs	60	S.F.	\$61.48	\$3,689	2	Major Repair	3- Necessary/Not Critical
Energy Center	D3040	Duct Heater	6	Ea.	\$5,282.20	\$31,693	2	Lifecycle Replacement	3- Necessary/Not Critical
Energy Center	D2010	Tankless Toilets	2	Ea.	\$3,064.62	\$6,129	5	Lifecycle Replacement	3- Necessary/Not Critical
Energy Center	D2010	Urinal	1	Ea.	\$2,579.10	\$2,579	0	Modernization/Improvement	3- Necessary/Not Critical
Energy Center	D2020	Water Heater	1	Ea.	\$376,592.62	\$376,593	9	Lifecycle Replacement	3- Necessary/Not Critical
Energy Center	D5020	Incandescent Light Fixtures	2	Ea.	\$324.46	\$649	1	Modernization/Improvement	3- Necessary/Not Critical
G Cellhouse	B1010	Concrete Stairs	60	S.F.	\$61.48	\$3,689	2	Major Repair	3- Necessary/Not Critical
G Cellhouse	D2010	Tankless Toilets	129	Ea.	\$3,064.62	\$395,336	5	Lifecycle Replacement	3- Necessary/Not Critical
G Cellhouse	D2020	Water Heater	3	Ea.	\$33,493.02	\$100,479	9	Lifecycle Replacement	3- Necessary/Not Critical
Heartbeat Center	A1030	Concrete Landing	0.25	C.S.F.	\$1,348.74	\$337	2	Major Repair	3- Necessary/Not Critical
Heartbeat Center	D5020	Incandescent Light Fixtures	4	Ea.	\$324.46	\$1,298	1	Modernization/Improvement	3- Necessary/Not Critical





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L Cellhouse	A1030	Concrete Landing	0.1	C.S.F.	\$1,348.74	\$135	2	Major Repair	Necessary/Not Critical
L Cellhouse	D2010	Tankless Toilets	129	Ea.	\$3,064.62	\$395,336	5	Lifecycle Replacement	3- Necessary/Not Critical
L Cellhouse	D2020	Water Heater	3	Ea.	\$33,493.02	\$100,479	9	Lifecycle Replacement	3- Necessary/Not Critical
Maintenance	A1030	Concrete Landing	4.07	C.S.F.	\$1,348.74	\$5,489	2	Major Repair	3- Necessary/Not Critical
Maintenance	D3040	Duct Heater	6	Ea.	\$5,282.20	\$31,693	2	Lifecycle Replacement	3- Necessary/Not Critical
Maintenance	D2010	Tankless Toilets	2	Ea.	\$3,064.62	\$6,129	5	Lifecycle Replacement	3- Necessary/Not Critical
Maintenance	D2010	Urinal	1	Ea.	\$2,579.10	\$2,579	0	Modernization/Improvement	3- Necessary/Not Critical
Maintenance	D2020	Water Heater	1	Ea.	\$33,493.02	\$33,493	9	Lifecycle Replacement	3- Necessary/Not Critical
Maintenance	D5020	Incandescent Light Fixtures	4	Ea.	\$324.46	\$1,298	1	Modernization/Improvement	3- Necessary/Not Critical
New Training Center	A1030	Concrete Landing	1	C.S.F.	\$1,348.74	\$1,349	2	Major Repair	3- Necessary/Not Critical
New Training Center	C1030	Toilet Partitions	6	Unit	\$3,061.42	\$18,369	5	Lifecycle Replacement	3- Necessary/Not Critical
New Training Center	D2010	Tankless Toilets	2	Ea.	\$3,064.62	\$6,129	5	Lifecycle Replacement	3- Necessary/Not Critical
New Training Center	D2010	Urinal	2	Ea.	\$2,579.10	\$5,158	0	Modernization/Improvement	3- Necessary/Not Critical





New Training Center	D2020	Water Heater	1	Ea.	\$33,493.02	\$33,493	9	Lifecycle Replacement	3- Necessary/Not Critical
New Training Center	D5020	Incandescent Light Fixtures	2	Ea.	\$324.46	\$649	1	Modernization/Improvement	3- Necessary/Not Critical
Quonset Hut	D5020	Incandescent Light Fixtures	8	Ea.	\$324.46	\$2,596	1	Modernization/Improvement	3- Necessary/Not Critical
Seg - Exercise B CH	D5020	Incandescent Light Fixtures	10	Ea.	\$324.46	\$3,245	1	Modernization/Improvement	3- Necessary/Not Critical
Seg - Exercise C CH	D5020	Incandescent Light Fixtures	10	Ea.	\$324.46	\$3,245	1	Modernization/Improvement	3- Necessary/Not Critical
U Dorm	B1010	Concrete Stairs	60	S.F.	\$61.48	\$3,689	2	Major Repair	3- Necessary/Not Critical
U Dorm	D3040	Duct Heater	6	Ea.	\$5,282.20	\$31,693	2	Lifecycle Replacement	3- Necessary/Not Critical
U Dorm	C1030	Toilet Partitions	5	Unit	\$3,061.42	\$15,307	5	Lifecycle Replacement	3- Necessary/Not Critical
U Dorm	D2010	Tankless Toilets	9	Ea.	\$3,064.62	\$27,582	5	Lifecycle Replacement	3- Necessary/Not Critical
U Dorm	D2010	Urinal	9	Ea.	\$2,579.10	\$23,212	0	Modernization/Improvement	3- Necessary/Not Critical
U Dorm	D2020	Water Heater	1	Ea.	\$33,493.02	\$33,493	9	Lifecycle Replacement	3- Necessary/Not Critical
U Dorm	D5020	Incandescent Light Fixtures	4	Ea.	\$324.46	\$1,298	1	Modernization/Improvement	3- Necessary/Not Critical
V Building Industries	A1030	Concrete Landing	1	C.S.F.	\$1,348.74	\$1,349	2	Major Repair	3- Necessary/Not Critical





V Building Industries	C1030	Toilet Partitions	3	Unit	\$3,061.42	\$9,184	5	Lifecycle Replacement	3- Necessary/Not Critical
V Building Industries	D2010	Tankless Toilets	3	Ea.	\$3,064.62	\$9,194	5	Lifecycle Replacement	3- Necessary/Not Critical
V Building Industries	D5020	Incandescent Light Fixtures	4	Ea.	\$324.46	\$1,298	1	Modernization/Improvement	3- Necessary/Not Critical
Warehouse	D3040	Duct Heater	2	Ea.	\$5,282.20	\$10,564	2	Lifecycle Replacement	3- Necessary/Not Critical
Warehouse	D2010	Tankless Toilets	2	Ea.	\$3,064.62	\$6,129	5	Lifecycle Replacement	3- Necessary/Not Critical
Warehouse	D2020	Water Heater	1	Ea.	\$33,493.02	\$33,493	9	Lifecycle Replacement	3- Necessary/Not Critical
Warehouse	D5020	Incandescent Light Fixtures	4	Ea.	\$324.46	\$1,298	1	Modernization/Improvement	3- Necessary/Not Critical
A Cellhouse	B3010	Metal Roofing	4070	S.F.	\$53.84	\$219,129	5	Lifecycle Replacement	4- Recommended
A Cellhouse	D5030	Security Cameras	20	Ea.	\$1,578.62	\$31,572	6	Modernization/Improvement	4- Recommended
A Cellhouse	D2010	Sinks	130	Ea.	\$481.76	\$62,629	5	Lifecycle Replacement	4- Recommended
A Cellhouse	C1020	Steel Door	15	Ea.	\$728.72	\$10,931	4	Lifecycle Replacement	4- Recommended
A Cellhouse	B2020	Exterior Windows	700	S.F.	\$42.04	\$29,428	5	Lifecycle Replacement	4- Recommended
A Cellhouse	D5020	Fluorescent Light Fixtures	150	Ea.	\$508.96	\$76,344	4	Modernization/Improvement	4- Recommended
Administration	B2030	Wooden Doors	76	Ea.	\$1,284.48	\$97,620	4	Modernization/Improvement	4- Recommended
Administration	D4010	Backflow Preventer	1	Ea.	\$1,238.24	\$1,238	6	Lifecycle Replacement	4- Recommended
Administration	B3010	Downspouts	100	L.F.	\$21.06	\$2,106	5	Lifecycle Replacement	4- Recommended







Administration	B2020	Exterior Windows	700	S.F.	\$42.04	\$29,428	5	Lifecycle Replacement	4- Recommended
Administration	B3010	Metal Roofing	1300	S.F.	\$53.84	\$69,992	5	Lifecycle Replacement	4- Recommended
Administration	D2010	Sinks	20	Ea.	\$481.76	\$9,635	5	Lifecycle Replacement	4- Recommended
Administration	D5020	Fluorescent Light Fixtures	200	Ea.	\$508.96	\$101,792	4	Modernization/Improvement	4- Recommended
Administration	D5030	Security Cameras	50	Ea.	\$1,578.62	\$78,931	6	Lifecycle Replacement	4- Recommended
Auto Maintenance	B2010	Siding	95	C.S.F.	\$1,643.90	\$156,171	6	Modernization/Improvement	4- Recommended
Auto Maintenance	B3010	Metal Roofing	947	S.F.	\$53.84	\$50,986	5	Lifecycle Replacement	4- Recommended
Auto Maintenance	C1020	Steel Door	6	Ea.	\$728.72	\$4,372	4	Lifecycle Replacement	4- Recommended
Auto Maintenance	D2010	Sinks	3	Ea.	\$481.76	\$1,445	5	Lifecycle Replacement	4- Recommended
Auto Maintenance	D5020	Fluorescent Light Fixtures	3211	Ea.	\$508.96	\$1,634,271	4	Modernization/Improvement	4- Recommended
B Cellhouse	B3010	Metal Roofing	4070	S.F.	\$53.84	\$219,129	5	Lifecycle Replacement	4- Recommended
B Cellhouse	C1020	Steel Door	15	Ea.	\$728.72	\$10,931	4	Lifecycle Replacement	4- Recommended
B Cellhouse	D2010	Sinks	130	Ea.	\$481.76	\$62,629	5	Lifecycle Replacement	4- Recommended
B Cellhouse	D5020	Fluorescent Light Fixtures	150	Ea.	\$508.96	\$76,344	4	Modernization/Improvement	4- Recommended
B Cellhouse	D5030	Security Cameras	20	Ea.	\$1,578.62	\$31,572	6	Modernization/Improvement	4- Recommended
C Cellhouse	D4010	Backflow Preventer	1	Ea.	\$1,238.24	\$1,238	6	Lifecycle Replacement	4- Recommended
C Cellhouse	B3010	Downspouts	100	L.F.	\$21.06	\$2,106	5	Lifecycle Replacement	4- Recommended
C Cellhouse	B2020	Exterior Windows	700	S.F.	\$42.04	\$29,428	5	Lifecycle Replacement	4- Recommended
C Cellhouse	B3010	Metal Roofing	4070	S.F.	\$53.84	\$219,129	5	Lifecycle Replacement	4- Recommended





C Cellhouse	C1020	Steel Door	15	Ea.	\$728.72	\$10,931	4	Lifecycle Replacement	4- Recommended
C Cellhouse	D2010	Sinks	130	Ea.	\$481.76	\$62,629	5	Lifecycle Replacement	4- Recommended
C Cellhouse	D5020	Fluorescent Light Fixtures	150	Ea.	\$508.96	\$76,344	4	Modernization/Improvement	4- Recommended
C Cellhouse	D5030	Security Cameras	20	Ea.	\$1,578.62	\$31,572	6	Modernization/Improvement	4- Recommended
Commons	D4010	Backflow Preventer	1	Ea.	\$1,238.24	\$1,238	6	Lifecycle Replacement	4- Recommended
Commons	B2020	Exterior Windows	50	S.F.	\$42.04	\$2,102	5	Lifecycle Replacement	4- Recommended
Commons	B2030	Storefront Doors	10	Ea.	\$1,284.48	\$12,845	4	Modernization/Improvement	4- Recommended
Commons	B2030	Wooden Doors	201	Ea.	\$1,284.48	\$258,180	4	Modernization/Improvement	4- Recommended
Commons	B3010	Metal Roofing	3900	S.F.	\$53.84	\$209,976	5	Lifecycle Replacement	4- Recommended
Commons	D2010	Sinks	98	Ea.	\$481.76	\$47,212	5	Lifecycle Replacement	4- Recommended
Commons	D5020	Fluorescent Light Fixtures	250	Ea.	\$508.96	\$127,240	4	Modernization/Improvement	4- Recommended
Commons	D5030	Security Cameras	35	Ea.	\$1,578.62	\$55,252	6	Modernization/Improvement	4- Recommended
Compound Shakedown East	C1020	Steel Door	1	Ea.	\$728.72	\$729	4	Lifecycle Replacement	4- Recommended
Compound Shakedown East	D2010	Sinks	1	Ea.	\$481.76	\$482	5	Lifecycle Replacement	4- Recommended
Compound Shakedown East	D5020	Fluorescent Light Fixtures	2	Ea.	\$508.96	\$1,018	4	Modernization/Improvement	4- Recommended
Compound Shakedown East	D5030	Security Cameras	2	Ea.	\$1,578.62	\$3,157	6	Modernization/Improvement	4- Recommended
Compound Shakedown West	B3010	Metal Roofing	450	S.F.	\$53.84	\$24,228	5	Lifecycle Replacement	4- Recommended
Compound Shakedown West	C1020	Steel Door	1	Ea.	\$728.72	\$729	4	Lifecycle Replacement	4- Recommended





Compound Shakedown West	D2010	Sinks	1	Ea.	\$481.76	\$482	5	Lifecycle Replacement	4- Recommended
Compound Shakedown West	D5020	Fluorescent Light Fixtures	2	Ea.	\$508.96	\$1,018	4	Modernization/Improvement	4- Recommended
Compound Shakedown West	D5030	Security Cameras	6	Ea.	\$1,578.62	\$9,472	6	Modernization/Improvement	4- Recommended
D Cellhouse	D4010	Backflow Preventer	1	Ea.	\$1,238.24	\$1,238	6	Lifecycle Replacement	4- Recommended
D Cellhouse	B2020	Exterior Windows	700	S.F.	\$42.04	\$29,428	5	Lifecycle Replacement	4- Recommended
D Cellhouse	B3010	Metal Roofing	4070	S.F.	\$53.84	\$219,129	5	Lifecycle Replacement	4- Recommended
D Cellhouse	C1020	Steel Door	15	Ea.	\$728.72	\$10,931	4	Lifecycle Replacement	4- Recommended
D Cellhouse	D2010	Sinks	130	Ea.	\$481.76	\$62,629	5	Lifecycle Replacement	4- Recommended
D Cellhouse	D5020	Fluorescent Light Fixtures	150	Ea.	\$508.96	\$76,344	4	Modernization/Improvement	4- Recommended
D Cellhouse	D5030	Security Cameras	20	Ea.	\$1,578.62	\$31,572	6	Modernization/Improvement	4- Recommended
E Cellhouse	D4010	Backflow Preventer	1	Ea.	\$1,238.24	\$1,238	6	Lifecycle Replacement	4- Recommended
E Cellhouse	B3010	Downspouts	100	L.F.	\$21.06	\$2,106	5	Lifecycle Replacement	4- Recommended
E Cellhouse	B2020	Exterior Windows	700	S.F.	\$42.04	\$29,428	5	Lifecycle Replacement	4- Recommended
E Cellhouse	B3010	Metal Roofing	4070	S.F.	\$53.84	\$219,129	5	Lifecycle Replacement	4- Recommended
E Cellhouse	C1020	Steel Door	15	Ea.	\$728.72	\$10,931	4	Lifecycle Replacement	4- Recommended
E Cellhouse	D2010	Sinks	130	Ea.	\$481.76	\$62,629	5	Lifecycle Replacement	4- Recommended
E Cellhouse	D5020	Fluorescent Light Fixtures	150	Ea.	\$508.96	\$76,344	4	Modernization/Improvement	4- Recommended





E Cellhouse	D5030	Security Cameras	20	Ea.	\$1,578.62	\$31,572	6	Modernization/Improvement	4- Recommended
Energy Center	D4010	Backflow Preventer	1	Ea.	\$1,238.24	\$1,238	6	Lifecycle Replacement	4- Recommended
Energy Center	B2010	Siding	14	C.S.F.	\$1,643.90	\$23,015	6	Modernization/Improvement	4- Recommended
Energy Center	B2020	Exterior Windows	50	S.F.	\$42.04	\$2,102	5	Lifecycle Replacement	4- Recommended
Energy Center	B3010	Metal Roofing	1400	S.F.	\$53.84	\$75,376	5	Lifecycle Replacement	4- Recommended
Energy Center	C1020	Steel Door	4	Ea.	\$728.72	\$2,915	4	Lifecycle Replacement	4- Recommended
Energy Center	D2010	Sinks	3	Ea.	\$481.76	\$1,445	5	Lifecycle Replacement	4- Recommended
Energy Center	D5020	Fluorescent Light Fixtures	50	Ea.	\$508.96	\$25,448	4	Modernization/Improvement	4- Recommended
Energy Center	D5030	Security Cameras	4	Ea.	\$1,578.62	\$6,314	6	Modernization/Improvement	4- Recommended
Energy Center	D5090	Generators	2	kW	\$483.82	\$968	9	Lifecycle Replacement	4- Recommended
G Cellhouse	C1020	Steel Door	8	Ea.	\$728.72	\$5,830	4	Lifecycle Replacement	4- Recommended
G Cellhouse	D2010	Sinks	134	Ea.	\$481.76	\$64,556	5	Lifecycle Replacement	4- Recommended
G Cellhouse	D5020	Fluorescent Light Fixtures	100	Ea.	\$508.96	\$50,896	4	Modernization/Improvement	4- Recommended
G Cellhouse	D5030	Security Cameras	20	Ea.	\$1,578.62	\$31,572	6	Modernization/Improvement	4- Recommended
Heartbeat Center	D2010	Tank Toilet	1	Ea.	\$1,772.56	\$1,773	5	Modernization/Improvement	4- Recommended
Heartbeat Center	B2010	Siding	201	C.S.F.	\$1,643.90	\$330,424	6	Modernization/Improvement	4- Recommended
Heartbeat Center	B2020	Exterior Windows	5	S.F.	\$42.04	\$210	5	Lifecycle Replacement	4- Recommended
Heartbeat Center	B3010	Metal Roofing	2001	S.F.	\$53.84	\$107,734	5	Lifecycle Replacement	4- Recommended
Heartbeat Center	C1020	Steel Door	1	Ea.	\$728.72	\$729	4	Lifecycle Replacement	4- Recommended





Heartbeat Center	D2010	Sinks	1	Ea.	\$481.76	\$482	5	Lifecycle Replacement	4- Recommended
Heartbeat Center	D5030	Security Cameras	4	Ea.	\$1,578.62	\$6,314	6	Modernization/Improvement	4- Recommended
L Cellhouse	B3010	Metal Roofing	3900	S.F.	\$53.84	\$209,976	5	Lifecycle Replacement	4- Recommended
L Cellhouse	C1020	Steel Door	8	Ea.	\$728.72	\$5,830	4	Lifecycle Replacement	4- Recommended
L Cellhouse	D2010	Sinks	134	Ea.	\$481.76	\$64,556	5	Lifecycle Replacement	4- Recommended
L Cellhouse	D5020	Fluorescent Light Fixtures	100	Ea.	\$508.96	\$50,896	4	Modernization/Improvement	4- Recommended
L Cellhouse	D5030	Security Cameras	20	Ea.	\$1,578.62	\$31,572	6	Modernization/Improvement	4- Recommended
Maintenance	D3050	Suspended Heater	1	Ea.	\$1,488.90	\$1,489	6	Lifecycle Replacement	4- Recommended
Maintenance	B2010	Siding	128	C.S.F.	\$1,643.90	\$210,419	6	Modernization/Improvement	4- Recommended
Maintenance	B2020	Exterior Windows	10	S.F.	\$42.04	\$420	5	Lifecycle Replacement	4- Recommended
Maintenance	B3010	Metal Roofing	1280	S.F.	\$53.84	\$68,915	5	Lifecycle Replacement	4- Recommended
Maintenance	C1020	Steel Door	6	Ea.	\$728.72	\$4,372	4	Lifecycle Replacement	4- Recommended
Maintenance	D2010	Sinks	2	Ea.	\$481.76	\$964	5	Lifecycle Replacement	4- Recommended
Maintenance	D5020	Fluorescent Light Fixtures	100	Ea.	\$508.96	\$50,896	4	Modernization/Improvement	4- Recommended
Maintenance	D5030	Security Cameras	4	Ea.	\$1,578.62	\$6,314	6	Modernization/Improvement	4- Recommended
New Training Center	B3010	Downspouts	100	L.F.	\$21.06	\$2,106	5	Lifecycle Replacement	4- Recommended
New Training Center	B2010	Siding	50	C.S.F.	\$1,643.90	\$82,195	6	Modernization/Improvement	4- Recommended
New Training Center	B2020	Exterior Windows	20	S.F.	\$42.04	\$841	5	Lifecycle Replacement	4- Recommended
New Training Center	B2030	Wooden Doors	5	Ea.	\$1,284.48	\$6,422	4	Modernization/Improvement	4- Recommended





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New Training Center	B3010	Metal Roofing	5000	S.F.	\$53.84	\$269,200	5	Lifecycle Replacement	4- Recommended
New Training Center	C1020	Steel Door	3	Ea.	\$728.72	\$2,186	4	Lifecycle Replacement	4- Recommended
New Training Center	D2010	Sinks	6	Ea.	\$481.76	\$2,891	5	Lifecycle Replacement	4- Recommended
New Training Center	D5020	Fluorescent Light Fixtures	10	Ea.	\$508.96	\$5,090	4	Modernization/Improvement	4- Recommended
New Training Center	D5030	Security Cameras	2	Ea.	\$1,578.62	\$3,157	6	Modernization/Improvement	4- Recommended
Quonset Hut	B2010	Siding	40	C.S.F.	\$1,643.90	\$65,756	6	Modernization/Improvement	4- Recommended
Quonset Hut	B3010	Metal Roofing	4000	S.F.	\$53.84	\$215,360	5	Lifecycle Replacement	4- Recommended
Quonset Hut	C1020	Steel Door	1	Ea.	\$728.72	\$729	4	Lifecycle Replacement	4- Recommended
Seg - Exercise B CH	D5030	Security Cameras	4	Ea.	\$1,578.62	\$6,314	6	Modernization/Improvement	4- Recommended
Seg - Exercise C CH	D5030	Security Cameras	4	Ea.	\$1,578.62	\$6,314	6	Modernization/Improvement	4- Recommended
U Dorm	D4010	Backflow Preventer	1	Ea.	\$1,238.24	\$1,238	6	Lifecycle Replacement	4- Recommended
U Dorm	B2010	Siding	176	C.S.F.	\$1,643.90	\$289,326	6	Modernization/Improvement	4- Recommended
U Dorm	B3010	Metal Roofing	1764	S.F.	\$53.84	\$94,974	5	Lifecycle Replacement	4- Recommended
U Dorm	C1020	Steel Door	10	Ea.	\$728.72	\$7,287	4	Lifecycle Replacement	4- Recommended
U Dorm	D2010	Sinks	14	Ea.	\$481.76	\$6,745	5	Lifecycle Replacement	4- Recommended
U Dorm	D5020	Fluorescent Light Fixtures	50	Ea.	\$508.96	\$25,448	4	Modernization/Improvement	4- Recommended
U Dorm	D5030	Security Cameras	20	Ea.	\$1,578.62	\$31,572	6	Modernization/Improvement	4- Recommended
V Building Industries	D4010	Backflow Preventer	1	Ea.	\$1,238.24	\$1,238	6	Lifecycle Replacement	4- Recommended
V Building Industries	B3010	Downspouts	100	L.F.	\$21.06	\$2,106	5	Lifecycle Replacement	4- Recommended

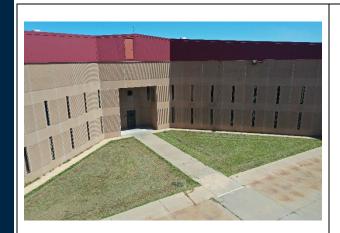




V Building Industries	B2010	Siding	42	C.S.F.	\$1,643.90	\$69,044	6	Modernization/Improvement	4- Recommended
V Building Industries	B2020	Exterior Windows	20	S.F.	\$42.04	\$841	5	Lifecycle Replacement	4- Recommended
V Building Industries	B3010	Metal Roofing	4194.4	S.F.	\$53.84	\$225,826	5	Lifecycle Replacement	4- Recommended
V Building Industries	C1020	Steel Door	5	Ea.	\$728.72	\$3,644	4	Lifecycle Replacement	4- Recommended
V Building Industries	D2010	Sinks	6	Ea.	\$481.76	\$2,891	5	Lifecycle Replacement	4- Recommended
Warehouse	B3010	Downspouts	50	L.F.	\$21.06	\$1,053	5	Lifecycle Replacement	4- Recommended
Warehouse	B2010	Siding	19	C.S.F.	\$1,643.90	\$31,234	6	Modernization/Improvement	4- Recommended
Warehouse	B3010	Metal Roofing	1870	S.F.	\$53.84	\$100,681	5	Lifecycle Replacement	4- Recommended
Warehouse	C1020	Steel Door	4	Ea.	\$728.72	\$2,915	4	Lifecycle Replacement	4- Recommended
Warehouse	D2010	Sinks	2	Ea.	\$481.76	\$964	5	Lifecycle Replacement	4- Recommended
Warehouse	D5020	Fluorescent Light Fixtures	100	Ea.	\$508.96	\$50,896	4	Modernization/Improvement	4- Recommended

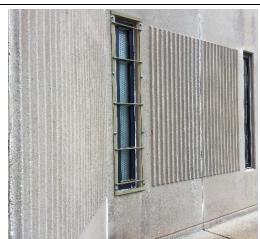


### A CELL HOUSE-EXTERIOR















### A CELL HOUSE-INTERIOR















### A CELL HOUSE-MECHANICAL, ELECTRICAL & PLUMBING













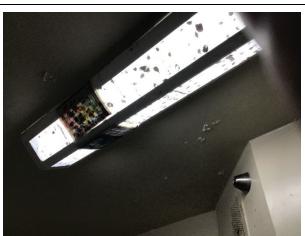


### A CELL HOUSE-MECHANICAL, ELECTRICAL & PLUMBING















### A CELL HOUSE-MECHANICAL, ELECTRICAL & PLUMBING







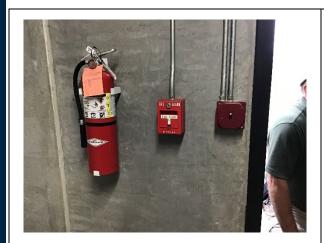








### A CELL HOUSE-LIFE SAFETY & FIRE PROTECTION SYSTEMS











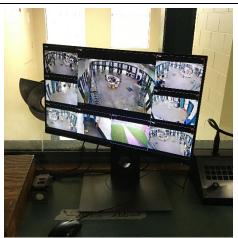




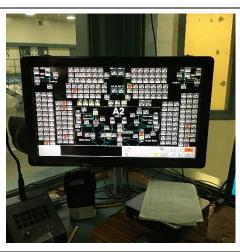
### A CELL HOUSE-SECURITY SYSTEMS













### ADMINISTRATION BUILDING-EXTERIOR

















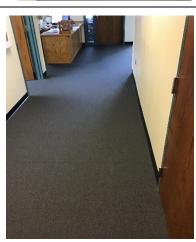
### ADMINISTRATION BUILDING-INTERIOR















#### ADMINISTRATION BUILDING-INTERIOR

















### ADMINISTRATION BUILDING-MECHANICAL, ELECTRICAL & PLUMBING















### ADMINISTRATION BUILDING-MECHANICAL, ELECTRICAL & PLUMBING















### **PHOTOS – EL DORADO CORRECTIONAL FACILITY**

### ADMINISTRATION BUILDING-MECHANICAL, ELECTRICAL & PLUMBING















#### ADMINISTRATION BUILDING-LIFE SAFETY & FIRE PROTECTION SYSTEMS







### ADMINISTRATION BUILDING-SECURITY SYSTEMS















### **AUTO MAINTENANCE-EXTERIOR**









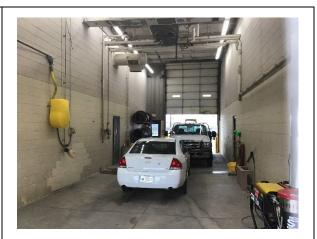




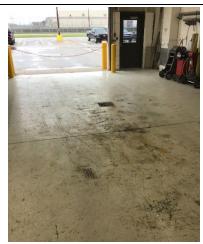


### **AUTO MAINTENANCE-INTERIOR**













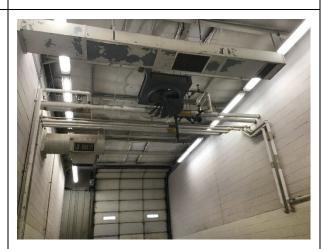


### **AUTO MAINTENANCE-MECHANICAL & ELECTRICAL**















### **AUTO MAINTENANCE- MECHANICAL & ELECTRICAL**















### **AUTO MAINTENANCE-LIFE SAFETY & FIRE PROTECTION SYSTEMS**















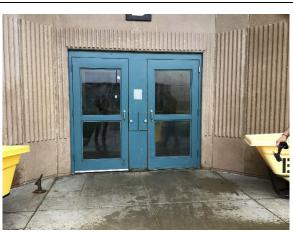


### **B CELL HOUSE-EXTERIOR**













### **B CELL HOUSE-INTERIOR**













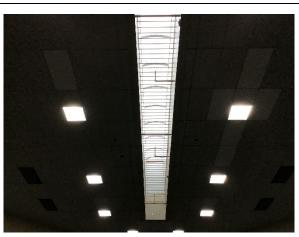


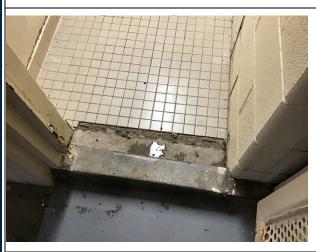
### B CELL HOUSE-MECHANICAL, ELECTRICAL, & PLUMBING











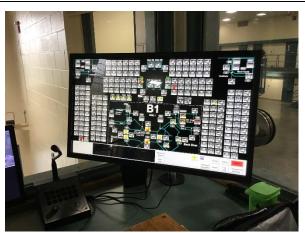


### B CELL HOUSE-LIFE SAFETY, FIRE PROTECTION SYSTEMS, & SECURITY SYSTEMS









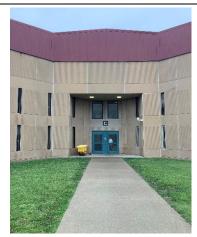






### C CELL HOUSE-EXTERIOR















### C CELL HOUSE-INTERIOR

















### C CELL HOUSE-MECHANICAL, ELECTRICAL, & PLUMBING















### C CELL HOUSE-MECHANICAL, ELECTRICAL, & PLUMBING















### C CELL HOUSE-MECHANICAL, ELECTRICAL, & PLUMBING















### C CELL HOUSE-LIFE SAFETY & FIRE PROTECTION SYSTEMS











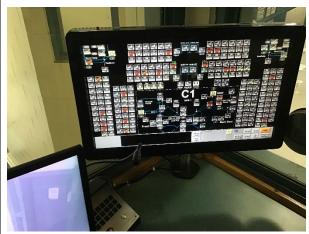




### C CELL HOUSE-SECURITY SYSTEMS













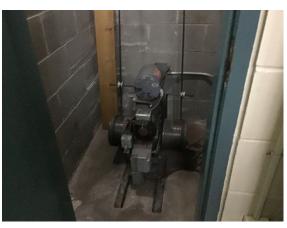


### C CELL HOUSE-VERTICAL TRANSPORTATION











### **COMMONS-EXTERIOR**

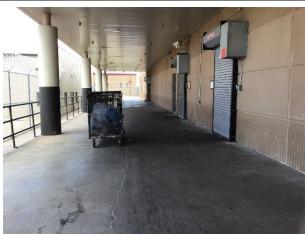










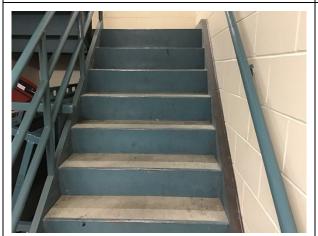




### **COMMONS-INTERIOR**















#### **COMMONS-INTERIOR**













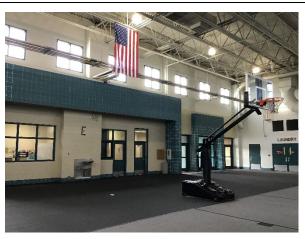


## COMMONS-MECHANICAL, ELECTRICAL, & PLUMBING

















## COMMONS- MECHANICAL, ELECTRICAL, & PLUMBING















## COMMONS-MECHANICAL, ELECTRICAL, & PLUMBING







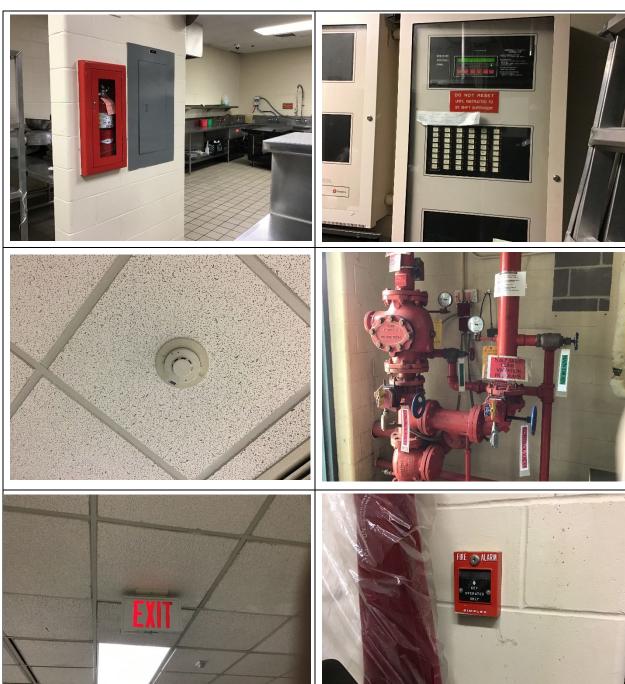








#### **COMMONS-LIFE SAFETY & FIRE PROTECTION SYSTEMS**





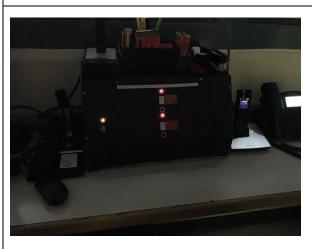
### **COMMONS-SECURITY SYSTEMS**















## COMPOUND SHAKEDOWN EAST-EXTERIOR, INTERIOR, MECHANICAL, ELECTRICAL, & PLUMBING SYSTEMS











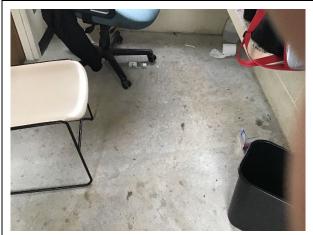




## COMPOUND SHAKEDOWN WEST-EXTERIOR, INTERIOR, MECHANICAL, & ELECTRICAL













### D CELL HOUSE-EXTERIOR





### D CELL HOUSE-INTERIOR















## D CELL HOUSE-MECHANICAL, ELECTRICAL, & PLUMBING















## D CELL HOUSE-MECHANICAL, ELECTRICAL, & PLUMBING















## D CELL HOUSE-MECHANICAL, ELECTRICAL, & PLUMBING















### D CELL HOUSE-LIFE SAFETY & FIRE PROTECTION SYSTEMS















### D CELL HOUSE-SECURITY SYSTEMS















### E CELL HOUSE-EXTERIOR















### E CELL HOUSE-INTERIOR









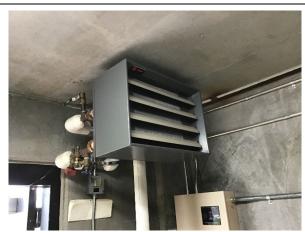






## E CELL HOUSE-MECHANICAL, ELECTRICAL, & PLUMBING















## D CELL HOUSE-MECHANICAL, ELECTRICAL, PLUMBING















## E CELL HOUSE-MECHANICAL, ELECTRICAL, & PLUMBING















### **E CELL HOUSE-LIFE SAFETY & FIRE PROTECTION SYSTEMS**









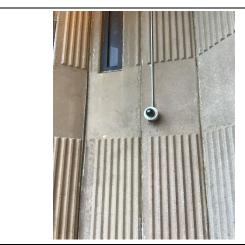






### **E CELL HOUSE-SECURITY SYSTEMS**















### **ENERGY CENTER-EXTERIOR**













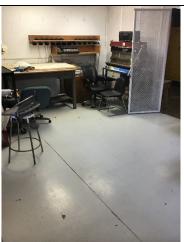


### **ENERGY CENTER-INTERIOR**















## **ENERGY CENTER-MECHANICAL, ELETRICAL, PLUMBING**















## ENERGY CENTER-MECHANICAL, ELECTRICAL, PLUMBING















## ENERGY CENTER-MECHANICAL, ELECTRICAL, PLUMBING















### **ENERGY CENTER-LIFE SAFETY & FIRE PROTECTION SYSTEMS**















### **ENERGY CENTER-SECURITY SYSTEMS & SEWAGE**













### **G CELL HOUSE-EXTERIOR & INTERIOR**















### G CELL HOUSE-MECHANICAL & ELECTRICAL















### **G CELL HOUSE-PLUMBING**















### **G CELL HOUSE-LIFE SAFETY & FIRE PROTECTION SYSTEMS**













### **G CELL HOUSE-SECURITY SYSTEMS**







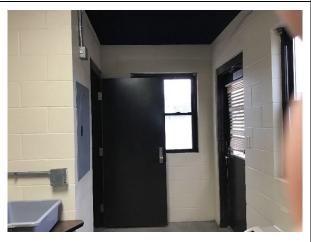


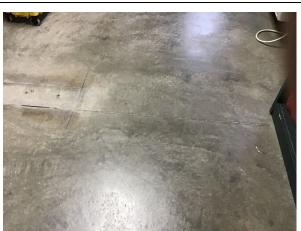


#### HEARBEAT DETECTOR BUILDING-INTERIOR















### HEARTBEAT DETECTOR BUILDING-MECHANICAL, ELECTRICAL, PLUMBING, & FIRE PROTECTION SYSTEMS

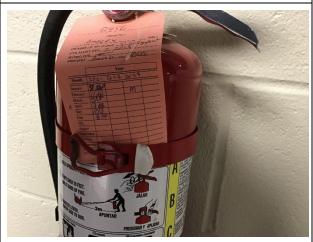














#### HEARTBEAT DETECTOR BUILDING-SECURITY SYSTEMS









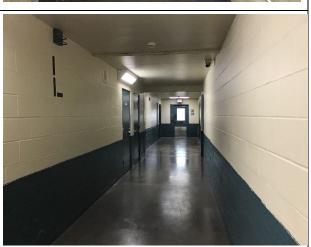


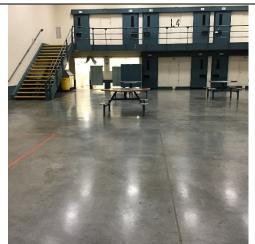
#### L CELL HOUSE-EXTERIOR & INTERIOR















### L CELL HOUSE-MECHANICAL, ELECTRICAL, & PLUMBING







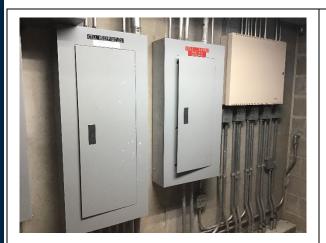








### L CELL HOUSE-MECHANICAL, ELECTRICAL, & PLUMBING















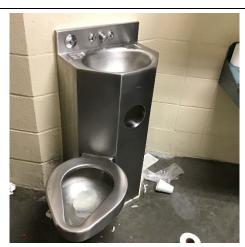


### L CELL HOUSE-MECHANICAL, ELECTRICAL, & PLUMBING

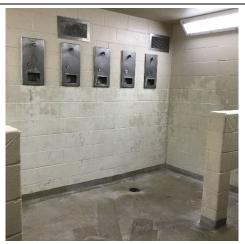














#### L CELL HOUSE-LIFE SAFETY & FIRE PROTECTION SYSTEMS















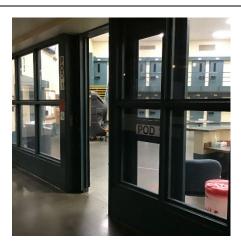
#### L CELL HOUSE-SECURITY SYSTEMS













#### MAINTENANCE-EXTERIOR















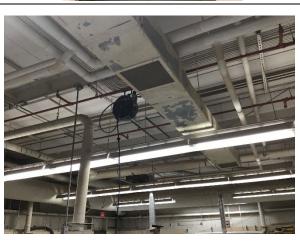
#### MAINTENANCE-INTERIOR















### MAINTENANCE-MECHANICAL, ELECTRICAL, & PLUMBING

















### MAINTENANCE-MECHANICAL, ELECTRICAL, & PLUMBING















### MAINTENANCE-MECHANICAL, ELECTRICAL, & PLUMBING















### MAINTENANCE-LIFE SAFETY, FIRE PROTECTION SYSTEMS & SECURITY SYSTEMS

















#### **NEW TRAINING CENTER-EXTERIOR**















#### **NEW TRAINING CENTER-INTERIOR**















### NEW TRAINING CENTER-MECHANICAL, ELECTRICAL, & PLUMBING













### NEW TRAINING CENTER-MECHANICAL, ELECTRICAL, & PLUMBING











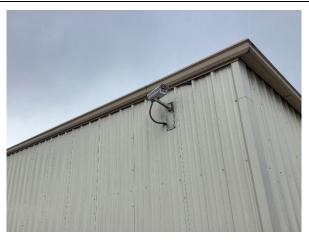




### NEW TRAINING CENTER-LIFE SAFETY, FIRE PROTECTION SYSTEMS, & SECURITY SYSTEMS









### QUONSET HUT-EXTERIOR, INTERIOR, & ELECTRICAL SYSTEMS

















#### SEG-EXERCISE B CH





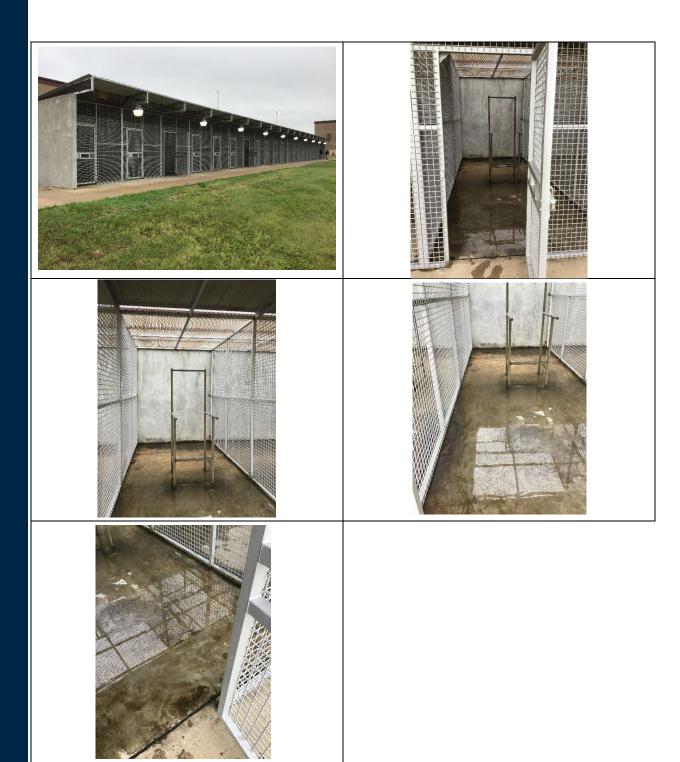














### U DORMITORY (OLD INDUSTRIES)-EXTERIOR & INTERIOR















### U DORMITORY (OLD INDUSTRIES)-MECHANICAL, ELECTRICAL, & PLUMBING

















### U DORMITORY (OLD INDUSTRIES)-MECHANICAL, ELECTRICAL, & PLUMBING















### U DORMITORY (OLD INDUSTRIES)-LIFE SAFETY, FIRE PROTECTION SYSTEMS, & SECURITY SYSTEMS









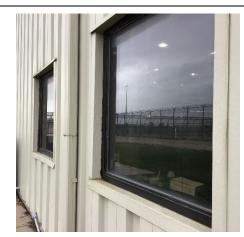






#### **V BUILDING INDUSTRIES-EXTERIOR**







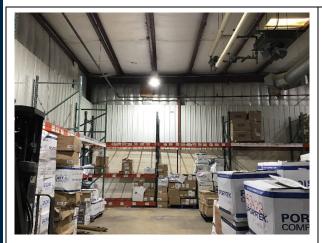






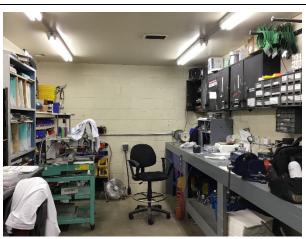


#### **V BUILDING INDUSTRIES-INTERIOR**













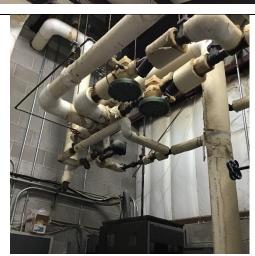


### V BUILDING INDUSTRIES-MECANICAL, ELECTRICAL, & PLUMBING











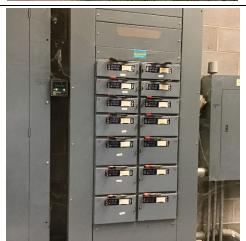




### V BUILDING INDUSTRIES-MECANICAL, ELECTRICAL, & PLUMBING











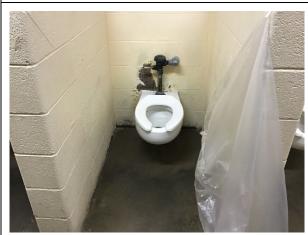


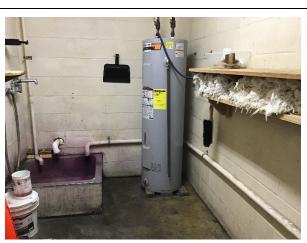


### V BUILDING INDUSTRIES-MECANICAL, ELECTRICAL, & PLUMBING













#### **V BUILDING INDUSTRIES-LIFE SAFETY & FIRE PROTECTION SYSTEMS**













#### WAREHOUSE-EXTERIOR















#### WAREHOUSE-INTERIOR















### WAREHOUSE-MECANICAL, ELECTRICAL, & PLUMBING

















### WAREHOUSE-MECANICAL, ELECTRICAL, & PLUMBING















#### **WAREHOUSE-LIFE SAFETY & FIRE PROTECTION SYSTEMS**

















CGL Facility Management LLC 1903 Phoenix Blvd., Suite 250 Atlanta, GA 30349 (770) 716-0081 www.CGLcompanies.com