FACILITY CONDITION ASSESSMENT

prepared for

Alexandria City Public Schools
2000 North Beauregard Street
Alexandria, Virginia 22311
John Finnigan

Alexandria High School: Minnie Howard Campus
(T.C. Williams)
3801 West Braddock Road,
Alexandria, Virginia 22302

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BV PROJECT #:
148303.21R000-015.354

DATE OF REPORT:
December 19, 2021

ON SITE DATE:
August 10, 2021

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1. Executive Summary

Property Overview and Assessment Details

General Information	
Property Type	School
Main Address	3801 West Braddock Road, Alexandria, Virginia 22302
Site Developed	YOC 1954 Additions 1955, 1969 Renovations 1993, 2009, 2018
Site Area	4.8 acres (estimated)
Parking Spaces	68 total spaces all in open lots; 6 of which are accessible
Building Area	130,435 SF
Number of Stories	3 above grade
Outside Occupants / Leased Spaces	None
Date(s) of Visit	August 10, 2021
Management Point of Contact	John Finnigan 703.517.1807 John.Finnigan@acps.k12.va.us
On-site Point of Contact (POC)	William Sharpe
Assessment and Report Prepared By	Jose Rolon
Reviewed By	Anthony W Conner, MACM, BBA Technical Report Reviewer for: Thomas Bart 800.733.0660 x7540 Thomas.Bart@BureauVeritas.com
AssetCalc Link	Full dataset for this assessment can be found at: https://www.assetcalc.net/

Significant/Systemic Findings and Deficiencies

Historical Summary

The school was originally constructed in 1954 with some renovations completed in 2009. The facility has exterior wall issues that could be structurally significant and should be further investigated.

Architectural

The western section of the building needs window repairs / replacement as gaskets have failed and water intrusion is a problem in various areas. This section also has masonry issues with steel plates added to hold the masonry walls and keep the mortar from cracking and the masonry from separating. The gymnasium addition has structural issues with large step cracks in the masonry that have required the installation of structural supports in the mezzanine to relieve pressure on the failing masonry walls. Concrete sills and bands around the facility are spalling and failing, especially along the courtyard canopy promenade. Interior finishes have been well maintained throughout the facility. Interior finishes are anticipated for lifecycle replacement based on useful life and normal wear.

Mechanical, Electrical, Plumbing and Fire (MEPF)

The HVAC systems and components appear to have been well maintained during recent years, with ongoing replacements over the years as needed.

In general, the plumbing systems are reportedly adequate to serve the facility, with equipment and fixtures updated as needed.

Electrical service equipment and systems appear adequate, with no concerns reported or observed regarding capacity or reliability. The facility is protected with a complete fire alarm and fire suppression system throughout the building and appears to be adequate.

Typical lifecycle replacements and ongoing maintenance of the MEPF equipment is budgeted and anticipated.

Site

The parking lots and sidewalks have been periodically repaved and sectionally replaced as needed over the years. Brick retaining walls have failed in several areas around the facility.

Recommended Additional Studies

Engineering studies for structural issues in building and in retaining wall.

Facility Condition Index (FCI)

One of the major goals of the FCA is to calculate each building's Facility Condition Index (FCI), which provides a theoretical objective indication of a building's overall condition. By definition, the FCI is defined as the ratio of the cost of current needs divided by current replacement value (CRV) of the facility. The chart below presents the industry standard ranges and cut-off points.

FCI Ranges and Description	
0 – 5%	In new or well-maintained condition, with little or no visual evidence of wear or deficiencies.
5 – 10%	Subjected to wear but is still in a serviceable and functioning condition.
10 – 30%	Subjected to hard or long-term wear. Nearing the end of its useful or serviceable life.
30% and above	

The deficiencies and lifecycle needs identified in this assessment provide the basis for a portfolio-wide capital improvement funding strategy. In addition to the current FCI, extended FCI's have been developed to provide owners the intelligence needed to plan and budget for the "keep-up costs" for their facilities. As such the 3-year, 5-year, and 10-year FCI's are calculated by dividing the anticipated needs of those respective time periods by current replacement value. As a final point, the FCI's ultimately provide more value when used to relatively compare facilities across a portfolio instead of being over-analyzed and scrutinized as stand-alone values. The table below summarizes the individual findings for this FCA:

Has reached the end of its useful or serviceable life. Renewal is now necessary.

FCI Analysis | Alexandria High School: Minnie Howard Campus (T.C. Williams)(1954)

Replacement Value	*Total SF*	*Cost/SF*
$ 39,130,500	*130,435*	*$ 300*

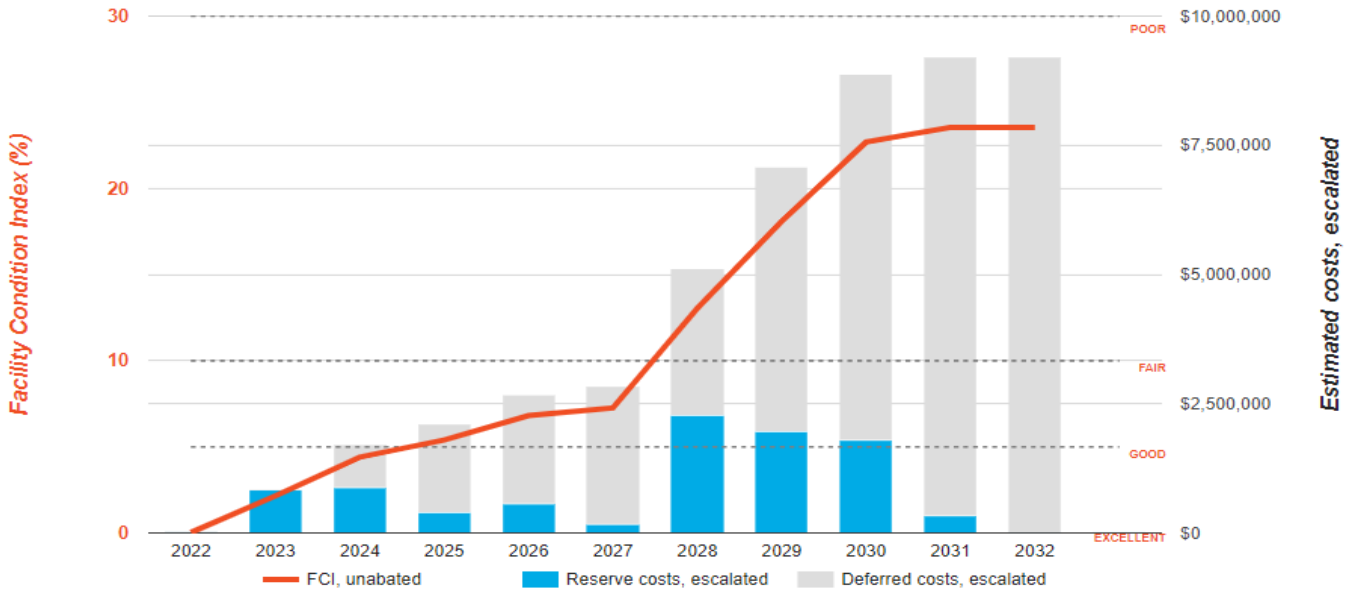
	Est Reserve Cost	FCI
Current	$ 14,000	0.0 %
3-Year	$ 2,113,500	5.4 %
5-Year	$ 2,839,900	7.3 %
10-Year	$ 9,212,600	23.5 %

The vertical bars below represent the year-by-year needs identified for the site. The orange line in the graph below forecasts what would happen to the FCI (left Y axis) over time, assuming zero capital expenditures over the next ten years. The dollar amounts allocated for each year (blue bars) are associated with the values along the right Y axis.

Needs by Year with Unaddressed FCI Over Time

FCI Analysis: Alexandria High School: Minnie Howard Campus (T.C. Williams)

Replacement Value: $39,131,000 Inflation Rate: 3.0% Average Needs per Year: $837,600



Immediate Needs

Facility/Building	Total Items	Total Cost
Total	**0**	**$0**

Key Findings

ID	Location	Location Description	UF Code	Description	Condition	Plan Type	Cost
3480103	Alexandria High School: Minnie Howard Campus (T.C. Williams)		P2030	Engineering Study, Structural, General Design	NA	Performance/Integrity	$7,000
3480104	Alexandria High School: Minnie Howard Campus (T.C. Williams)		P2030	Engineering Study, Structural, Retaining Wall, Evaluate/Report	NA	Performance/Integrity	$7,000
Total (2 items)							**$14,000**

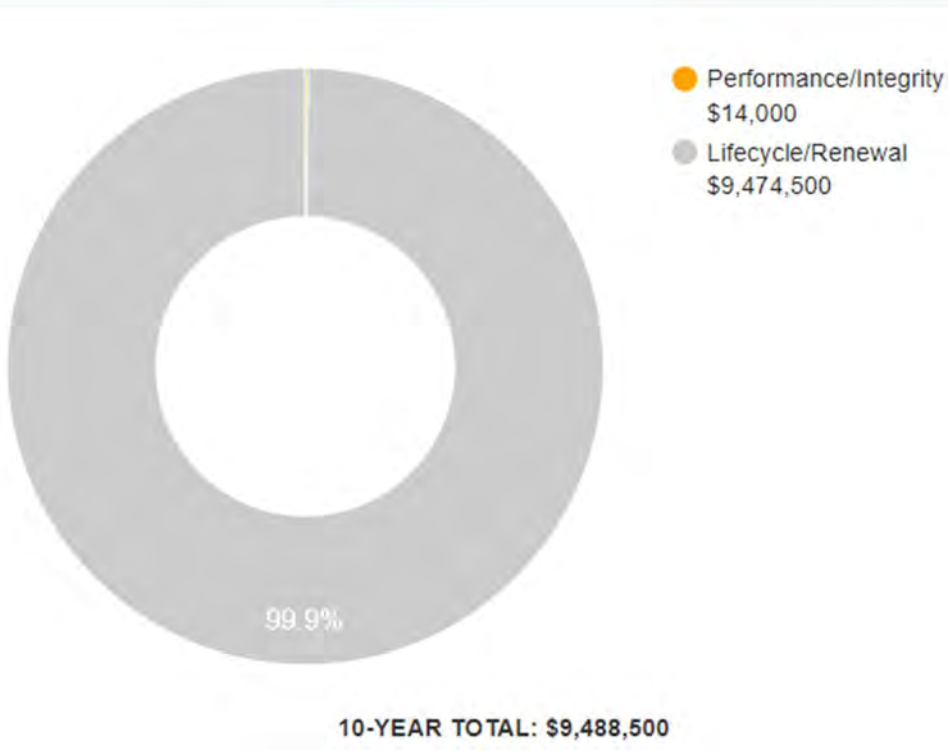
Plan Types

Each line item in the cost database is assigned a Plan Type, which is the primary reason or rationale for the recommended replacement, repair, or other corrective action. This is the "why" part of the equation. A cost or line item may commonly have more than one applicable Plan Type; however, only one Plan Type will be assigned based on the "best" fit, typically the one with the greatest significance.

Plan Type Descriptions

Safety	■	An observed or reported unsafe condition that if left unaddressed could result in injury; a system or component that presents potential liability risk.
Performance/Integrity	■	Component or system has failed, is almost failing, performs unreliably, does not perform as intended, and/or poses risk to overall system stability.
Accessibility	■	Does not meet ADA, UFAS, and/or other accessibility requirements.
Environmental	■	Improvements to air or water quality, including removal of hazardous materials from the building or site.
Retrofit/Adaptation	■	Components, systems, or spaces recommended for upgrades in in order to meet current standards, facility usage, or client/occupant needs.
Lifecycle/Renewal	■	Any component or system that is not currently deficient or problematic but for which future replacement or repair is anticipated and budgeted.

Plan Type Distribution (by Cost)



2. Building and Site Information

Systems Summary

System	Description	Condition
Structure	Masonry bearing walls with metal roof deck supported by open-web steel joists and concrete strip footing foundation system	Poor
Façade	Primary Wall Finish: Brick Secondary Wall Finish: EIFS Windows: Aluminum	Fair
Roof	Primary: Flat construction with single-ply TPO/PVC membrane	Fair
Interiors	Walls: Painted gypsum board and CMU, ceramic tile, unfinished Floors: Carpet, VCT, ceramic tile, quarry tile, wood strip, unfinished concrete Ceilings: Painted gypsum board and ACT, unfinished/exposed	Fair
Elevators	Passenger: 1 hydraulic car serving all floors	Fair
Plumbing	Distribution: Copper supply and cast-iron waste & venting Hot Water: Domestic boilers, solar panels and storage tanks Fixtures: Toilets, urinals, and sinks in all restrooms	Fair
HVAC	Packaged units, exhaust fans, water source heat pumps and energy recover air handlers Supplemental components: Ductless split systems and condensing units	Fair
Fire Suppression	Kitchen suppression and fire extinguishers	Fair
Electrical	Source and Distribution: Main switchboard, and distribution panels with copper wiring Interior Lighting: LED, linear fluorescent, CFL Emergency Power: ATS and gas generator	Fair
Fire Alarm	Alarm panel with smoke detectors, heat detectors, alarms, strobes, pull stations, and exit signs	Fair
Equipment/Special	Commercial kitchen equipment	Fair

Systems Summary

Site Pavement	Asphalt lots with limited areas of concrete pavement and adjacent concrete sidewalks	Fair
Site Development	Property signage	Fair
Landscaping and Topography	Limited landscaping features including lawns, trees, bushes Irrigation not present Low to moderate site slopes throughout	Fair
Utilities	Municipal water and sewer Local utility-provided electric and natural gas	Good
Site Lighting	Building-mounted: LED	Good
Ancillary Structures	None	--
Accessibility	Presently it does not appear an accessibility study is needed for this property. See Appendix D.	
Key Issues and Findings	Exterior wall failures have structural implications and are a safety concern. An engineering study should be performed to understand the deficiencies and remedies. Masonry wall step cracks and separation in various parts of the school, most notably in the mezzanine of the gymnasium addition.	

Systems Expenditure Forecast

System	Immediate	Short Term (1-2 yr)	Near Term (3-5 yr)	Med Term (6-10 yr)	Long Term (11-20 yr)	TOTAL
Facade	-	-	$163,909	$264,998	$237,389	$666,296
Roofing	-	-	-	$2,316,826	-	$2,316,826
Interiors	-	-	$907,682	$263,287	$1,855,460	$3,026,429
Conveying	-	-	$9,834	$73,915	$15,321	$99,070
Plumbing	-	-	-	$86,471	$3,587,104	$3,673,575
HVAC	-	-	$152,133	$913,267	$398,237	$1,463,637
Fire Protection	-	-	$3,376	$20,158	$12,470	$36,004
Electrical	-	-	$29,873	$1,620,936	$169,416	$1,820,225
Fire Alarm & Electronic Systems	-	$830,270	$304,279	$826,155	$1,774,200	$3,734,904
Equipment & Furnishings	-	-	$188,012	$88,673	$194,845	$471,530
Site Development	-	-	$74,534	$3,261	-	$77,795
Site Utilities	-	-	$45,894	-	$15,867	$61,761
Site Pavement	-	$23,870	-	$262,857	$114,179	$400,906
TOTALS	**-**	**$854,200**	**$1,879,600**	**$6,740,900**	**$8,374,500**	**$17,849,200**

3. Property Space Use and Observed Areas

Areas Observed

The interior spaces were observed in order to gain a clear understanding of the property's overall condition. Other areas accessed included the site within the property boundaries, the exterior of the property, and the roofs.

Key Spaces Not Observed

All key areas of the property were accessible and observed.

4. Purpose and Scope

Purpose

Bureau Veritas was retained by the client to render an opinion as to the Property's current general physical condition on the day of the site visit.

Based on the observations, interviews and document review outlined below, this report identifies significant deferred maintenance issues, existing deficiencies, and material code violations of record, which affect the Property's use. Opinions are rendered as to its structural integrity, building system condition and the Property's overall condition. The report also notes building systems or components that have realized or exceeded their typical expected useful lives.

The physical condition of building systems and related components are typically defined as being in one of five condition ratings. For the purposes of this report, the following definitions are used:

Condition Ratings	
Excellent	New or very close to new; component or system typically has been installed within the past year, sound and performing its function. Eventual repair or replacement will be required when the component or system either reaches the end of its useful life or fails in service.
Good	Satisfactory as-is. Component or system is sound and performing its function, typically within the first third of its lifecycle. However, it may show minor signs of normal wear and tear. Repair or replacement will be required when the component or system either reaches the end of its useful life or fails in service.
Fair	Showing signs of wear and use but still satisfactory as-is, typically near the median of its estimated useful life. Component or system is performing adequately at this time but may exhibit some signs of wear, deferred maintenance, or evidence of previous repairs. Repair or replacement will be required due to the component or system's condition and/or its estimated remaining useful life.
Poor	Component or system is significantly aged, flawed, functioning intermittently or unreliably; displays obvious signs of deferred maintenance; shows evidence of previous repair or workmanship not in compliance with commonly accepted standards; has become obsolete; or exhibits an inherent deficiency. The present condition could contribute to or cause the deterioration of contiguous elements or systems. Either full component replacement is needed or repairs are required to restore to good condition, prevent premature failure, and/or prolong useful life.
Failed	Component or system has ceased functioning or performing as intended. Replacement, repair, or other significant corrective action is recommended or required.
Not Applicable	Assigning a condition does not apply or make logical sense, most commonly due to the item in question not being present.

Scope

The standard scope of the Facility Condition Assessment includes the following:

- Visit the Property to evaluate the general condition of the building and site improvements, review available construction documents in order to familiarize ourselves with, and be able to comment on, the in-place construction systems, life safety, mechanical, electrical, and plumbing systems, and the general built environment.
- Identify those components that are exhibiting deferred maintenance issues and provide cost estimates for Immediate Costs and Replacement Reserves based on observed conditions, maintenance history and industry standard useful life estimates. This will include the review of documented capital improvements completed within the last five-year period and work currently contracted for, if applicable.
- Provide a full description of the Property with descriptions of in-place systems and commentary on observed conditions.
- Provide a high-level categorical general statement regarding the subject Property's compliance to Title III of the Americans with Disabilities Act. This will not constitute a full ADA survey, but will help identify exposure to issues and the need for further review.
- Obtain background and historical information about the facility from a building engineer, property manager, maintenance staff, or other knowledgeable source. The preferred methodology is to have the client representative or building occupant complete a Pre-Survey Questionnaire (PSQ) in advance of the site visit. Common alternatives include a verbal interview just prior to or during the walk-through portion of the assessment.
- Review maintenance records and procedures with the in-place maintenance personnel.
- Observe a representative sample of the interior spaces/units, including vacant spaces/units, to gain a clear understanding of the property's overall condition. Other areas to be observed include the exterior of the property, the roofs, interior common areas, and the significant mechanical, electrical and elevator equipment rooms.
- Provide recommendations for additional studies, if required, with related budgetary information.
- Provide an Executive Summary at the beginning of this report, which highlights key findings and includes a Facility Condition Index as a basis for comparing the relative conditions of the buildings within the portfolio.

5. Opinions of Probable Costs

Cost estimates are attached throughout this report, with the Replacement Reserves in the appendix.

These estimates are based on Invoice or Bid Document/s provided either by the Owner/facility and construction costs developed by construction resources such as *R.S. Means, CBRE Whitestone,* and *Marshall & Swift,* Bureau Veritas's experience with past costs for similar properties, city cost indexes, and assumptions regarding future economic conditions.

Opinions of probable costs should only be construed as preliminary, order of magnitude budgets. Actual costs most probably will vary from the consultant's opinions of probable costs depending on such matters as type and design of suggested remedy, quality of materials and installation, manufacturer and type of equipment or system selected, field conditions, whether a physical deficiency is repaired or replaced in whole, phasing or bundling of the work (if applicable), quality of contractor, quality of project management exercised, market conditions, use of subcontractors, and whether competitive pricing is solicited, etc. Certain opinions of probable costs cannot be developed within the scope of this guide without further study. Opinions of probable cost for further study should be included in the FCA.

Methodology

Based upon site observations, research, and judgment, along with referencing Expected Useful Life (EUL) tables from various industry sources, Bureau Veritas opines as to when a system or component will most probably necessitate replacement. Accurate historical replacement records, if provided, are typically the best source of information. Exposure to the elements, initial quality and installation, extent of use, the quality and amount of preventive maintenance exercised, etc., are all factors that impact the effective age of a system or component. As a result, a system or component may have an effective age that is greater or less than its actual chronological age. The Remaining Useful Life (RUL) of a component or system equals the EUL less its *effective age*, whether explicitly or implicitly stated. Projections of Remaining Useful Life (RUL) are based primarily on age and condition with the presumption of continued use and maintenance of the Property similar to the observed and reported past use and maintenance practices, in conjunction with the professional judgment of Bureau Veritas's assessors. Significant changes in occupants and/or usage may affect the service life of some systems or components.

Where quantities could not be or were not derived from an actual construction document take-off or facility walk-through, and/or where systemic costs are more applicable or provide more intrinsic value, budgetary square foot and gross square foot costs are used. Estimated costs are based on professional judgment and the probable or actual extent of the observed defect, inclusive of the cost to design, procure, construct and manage the corrections.

Definitions

Immediate Needs

Immediate Needs are line items that require immediate action as a result of: (1) material existing or potential unsafe conditions, (2) failed or imminent failure of mission critical building systems or components, or (3) conditions that, if not addressed, have the potential to result in, or contribute to, critical element or system failure within one year or will most probably result in a significant escalation of its remedial cost.

For database and reporting purposes the line items with RUL=0, and commonly associated with *Safety* or *Performance/Integrity* Plan Types, are considered Immediate Needs.

Replacement Reserves

Cost line items traditionally called Replacement Reserves (equivalently referred to as Lifecycle/Renewals) are for recurring probable renewals or expenditures, which are not classified as operation or maintenance expenses. The replacement reserves should be budgeted for in advance on an annual basis. Replacement Reserves are reasonably predictable both in terms of frequency and cost. However, Replacement Reserves may also include components or systems that have an indeterminable life but, nonetheless, have a potential for failure within an estimated time period.

Replacement Reserves generally exclude systems or components that are estimated to expire after the reserve term and are not considered material to the structural and mechanical integrity of the subject property. Furthermore, systems and components that are not deemed to have a material effect on the use of the Property are also excluded. Costs that are caused by acts of God, accidents, or other occurrences that are typically covered by insurance, rather than reserved for, are also excluded.

Replacement costs are solicited from ownership/property management, Bureau Veritas's discussions with service companies, manufacturers' representatives, and previous experience in preparing such schedules for other similar facilities. Costs for work performed by the ownership's or property management's maintenance staff are also considered.

Bureau Veritas's reserve methodology involves identification and quantification of those systems or components requiring capital reserve funds within the assessment period. The assessment period is defined as the effective age plus the reserve term. Additional information concerning system's or component's respective replacement costs (in today's dollars), typical expected useful lives, and remaining useful lives were estimated so that a funding schedule could be prepared. The Replacement Reserves Schedule presupposes that all required remedial work has been performed or that monies for remediation have been budgeted for items defined as Immediate Needs.

For the purposes of 'bucketizing' the System Expenditure Forecasts in this report, the Replacement Reserves have been subdivided and grouped as follows: Short Term (years 1-3), Near Term (years 4-5), Medium Term (years 6-10), and Long Term (years 11-20).

Key Findings

In an effort to highlight the most significant cost items and not be overwhelmed by the Replacement Reserves report in its totality, a subsection of Key Findings is included within the Executive Summary section of this report. Key Findings typically include repairs or replacements of deficient items within the first five-year window, as well as the most significant high-dollar line items that fall anywhere within the ten-year term. Note that while there is some subjectivity associated with identifying the Key Findings, the Immediate Needs are always included as a subset.

Exceedingly Aged

A fairly common scenario encountered during the assessment process, and a frequent source of debate, occurs when classifying and describing "very old" systems or components that are still functioning adequately and do not appear nor were reported to be in any way deficient. To help provide some additional intelligence on these items, such components will be tagged in the database as Exceedingly Aged. This designation will be reserved for mechanical or electrical systems or components that have aged well beyond their industry standard lifecycles, typically at least 15 years beyond and/or twice their Estimated Useful Life (EUL). In tandem with this designation, these items will be assigned a Remaining Useful Life (RUL) not less than two years but not greater than 1/3 of their standard EUL. As such the recommended replacement time for these components will reside outside the typical Short Term window but will not be pushed 'irresponsibly' (too far) into the future.

6. Certification

Alexandria City Public Schools (the Client) retained Bureau Veritas to perform this Facility Condition Assessment in connection with its continued operation of Alexandria High School: Minnie Howard Campus (T.C. Williams), 3801 West Braddock Road, Alexandria, Virginia 22302, the "Property". It is our understanding that the primary interest of the Client is to locate and evaluate materials and building system defects that might significantly affect the value of the property and to determine if the present Property has conditions that will have a significant impact on its continued operations.

The conclusions and recommendations presented in this report are based on the brief review of the plans and records made available to our Project Manager during the site visit, interviews of available property management personnel and maintenance contractors familiar with the Property, appropriate inquiry of municipal authorities, our Project Manager's walk-through observations during the site visit, and our experience with similar properties.

No testing, exploratory probing, dismantling or operating of equipment or in-depth studies were performed unless specifically required under the *Purpose and Scope* section of this report. This assessment did not include engineering calculations to determine the adequacy of the Property's original design or existing systems. Although walk-through observations were performed, not all areas may have been observed (see Section 1 for specific details). There may be defects in the Property, which were in areas not observed or readily accessible, may not have been visible, or were not disclosed by management personnel when questioned. The report describes property conditions at the time that the observations and research were conducted.

This report has been prepared for and is exclusively for the use and benefit of the Client identified on the cover page of this report. The purpose for which this report shall be used shall be limited to the use as stated in the contract between the client and Bureau Veritas.

This report, or any of the information contained therein, is not for the use or benefit of, nor may it be relied upon by any other person or entity, for any purpose without the advance written consent of Bureau Veritas. Any reuse or distribution without such consent shall be at the client's or recipient's sole risk, without liability to Bureau Veritas.

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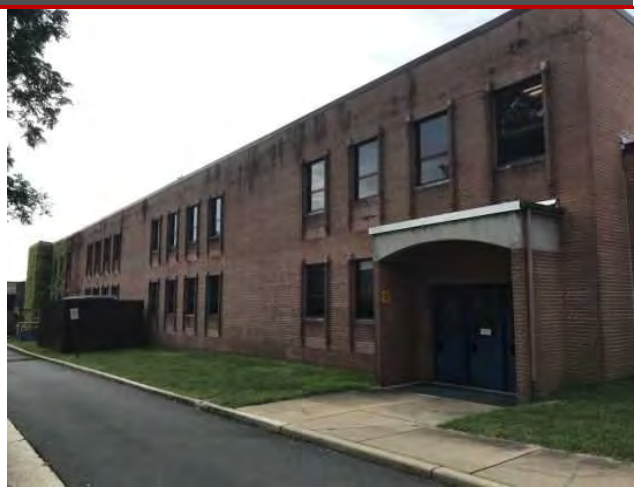
7. Appendices

Appendix A: Photographic Record
Appendix B: Site Plan
Appendix C: Pre-Survey Questionnaire
Appendix D: Component Condition Report
Appendix E: Replacement Reserves
Appendix F: Equipment Inventory List

Appendix A:
Photographic Record

Photographic Overview

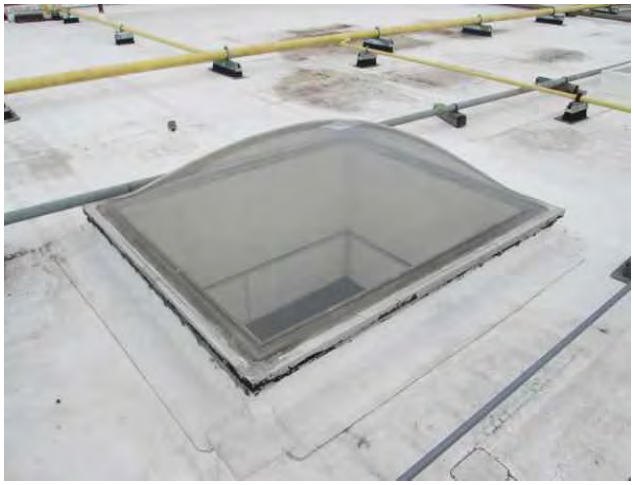
1 - FRONT ELEVATION



2 - REAR ELEVATION

3 - LEFT ELEVATION

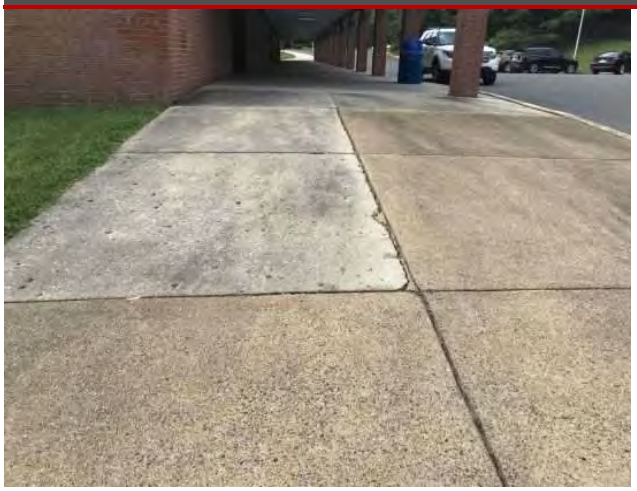
4 - RIGHT ELEVATION



5 - SKYLIGHT

6 - ROOFING

Photographic Overview



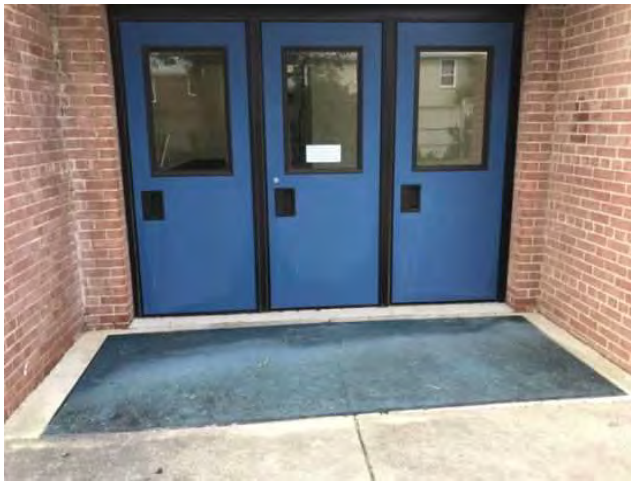
7 - SIDEWALK, CONCRETE

8 - PARKING LOTS, PAVEMENT

9 - EXTERIOR GLAZED DOORS

10 - WINDOW

11 - EXTERIOR WALLS



12 - EXTERIOR DOORS

Photographic Overview

13 - PACKAGED UNIT

14 - ERU

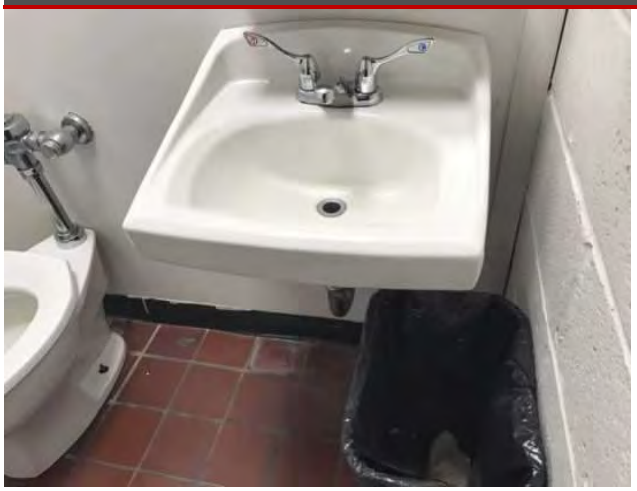
15 - DISTRIBUTION PUMP

16 - WATER SOURCE HEAT PUMP

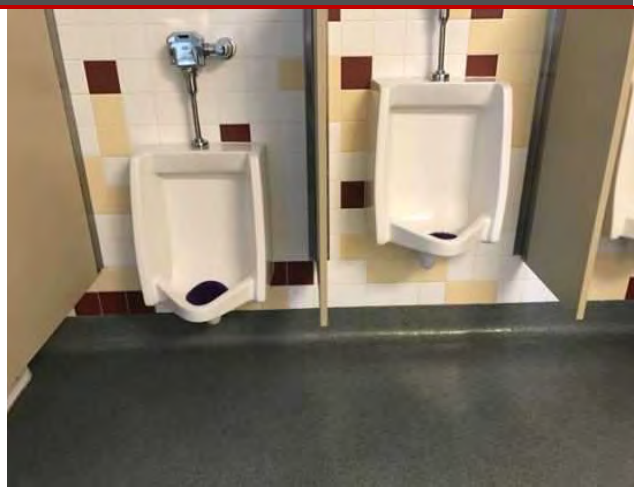
17 - CONDENSING UNIT

18 - STORAGE TANK, DOMESTIC WATER

Photographic Overview



19 - SINK/LAVATORY

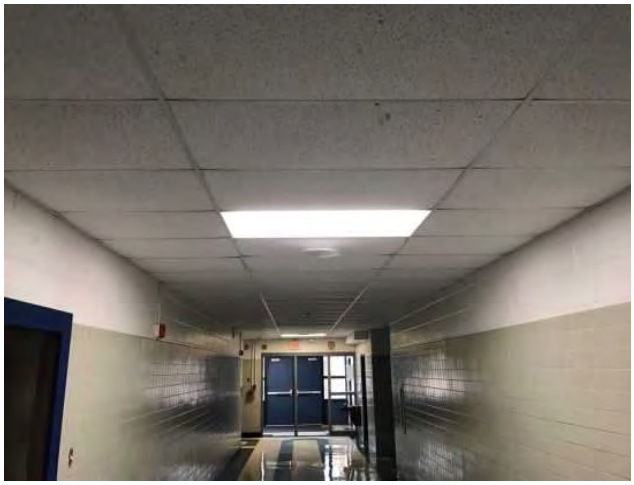


20 - URINAL

21 - (PLACEHOLDER)

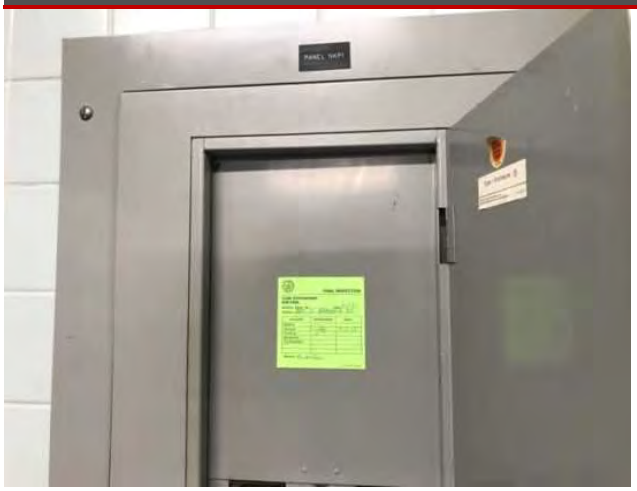
22 - SINK/LAVATORY

23 - TOILET

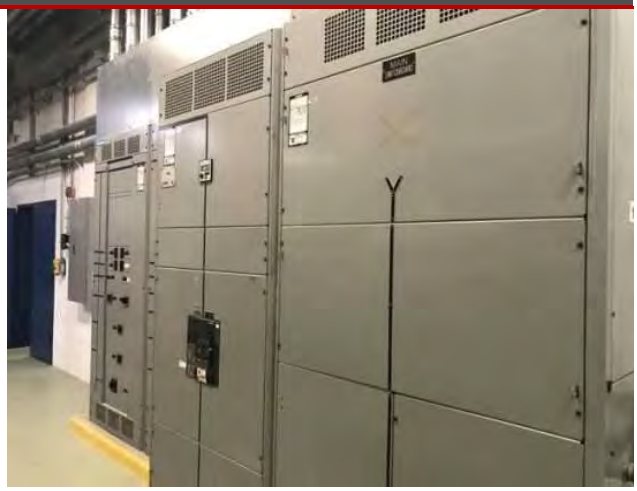


24 - INTERIOR LIGHTING SYSTEM

Photographic Overview



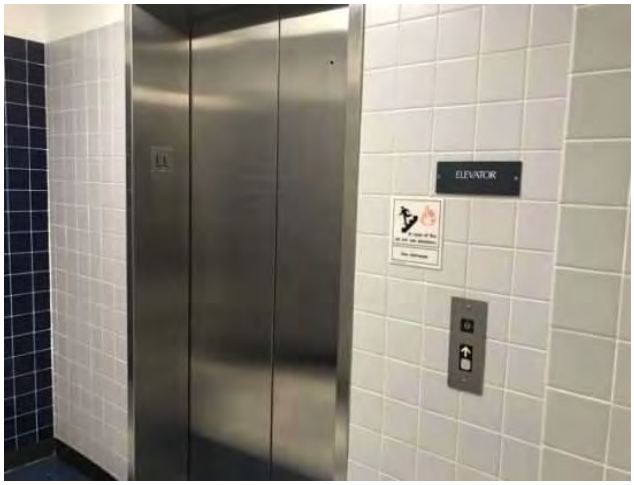
25 - DISTRIBUTION PANEL



26 - SWITCHBOARD

27 - GENERATOR

28 - AUTOMATIC TRANSFER SWITCH - ATS



29 - ELEVATOR CAB FINISHES

30 - PASSENGER ELEVATOR

Photographic Overview

31 - FIRE SUPPRESSION SYSTEM, COMMERCIAL KIT

32 - FIRE ALARM PANEL

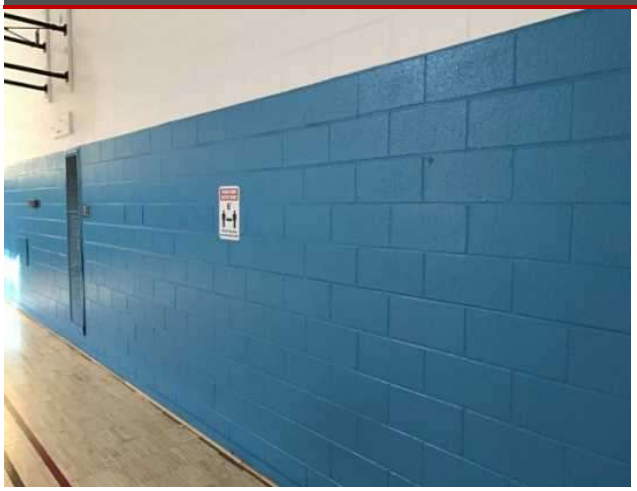
33 - FLOORING

34 - SUSPENDED CEILINGS

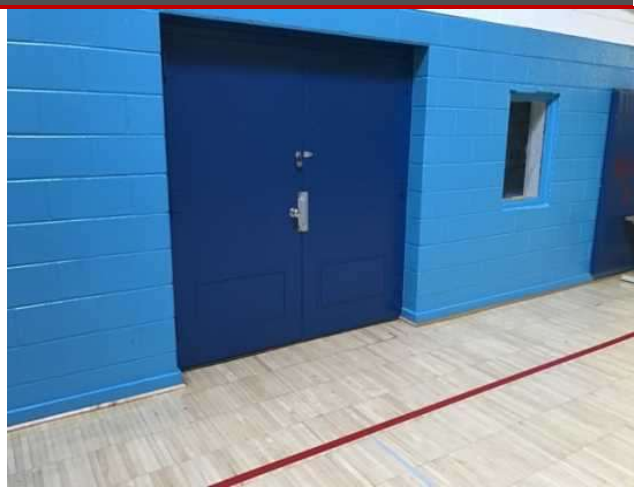
35 - INTERIOR DOOR

36 - FLOORING

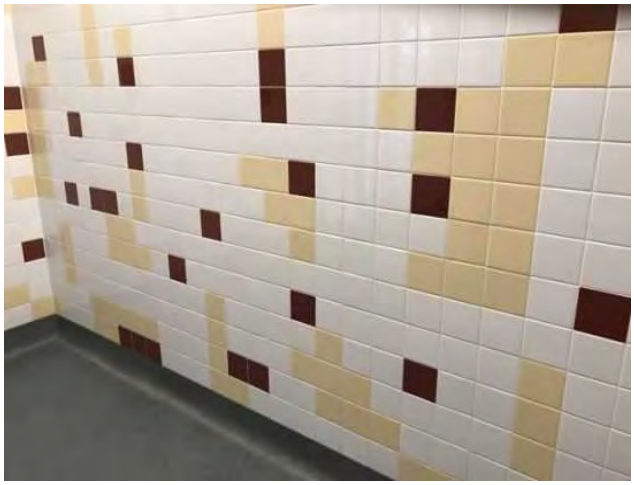
Photographic Overview



37 - WALL FINISHES



38 - INTERIOR DOORS



39 - WALL FINISHES

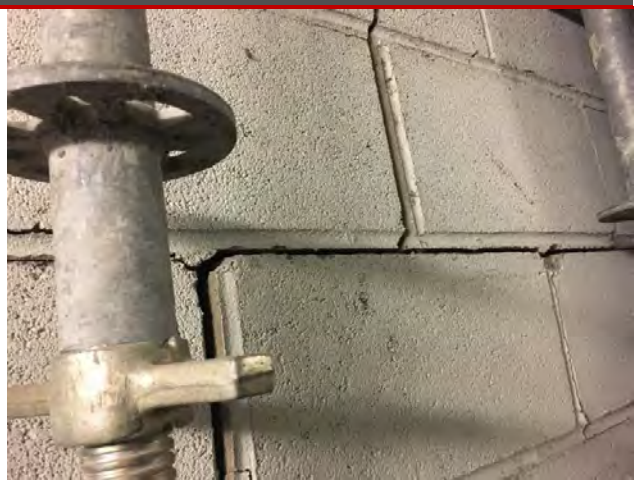
40 - FLOORING

41 – STRUCTURAL ISSUE

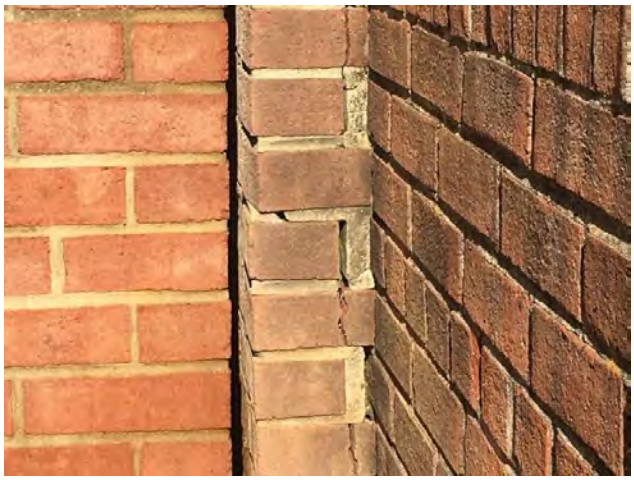
42 - STRUCTURAL ISSUE

Photographic Overview

43 - STRUCTURAL ISSUE

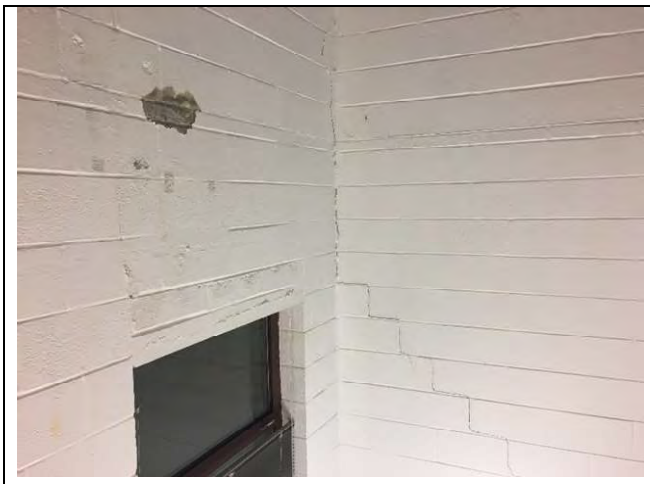


44 - STRUCTURAL ISSUE



45 - STRUCTURAL ISSUE

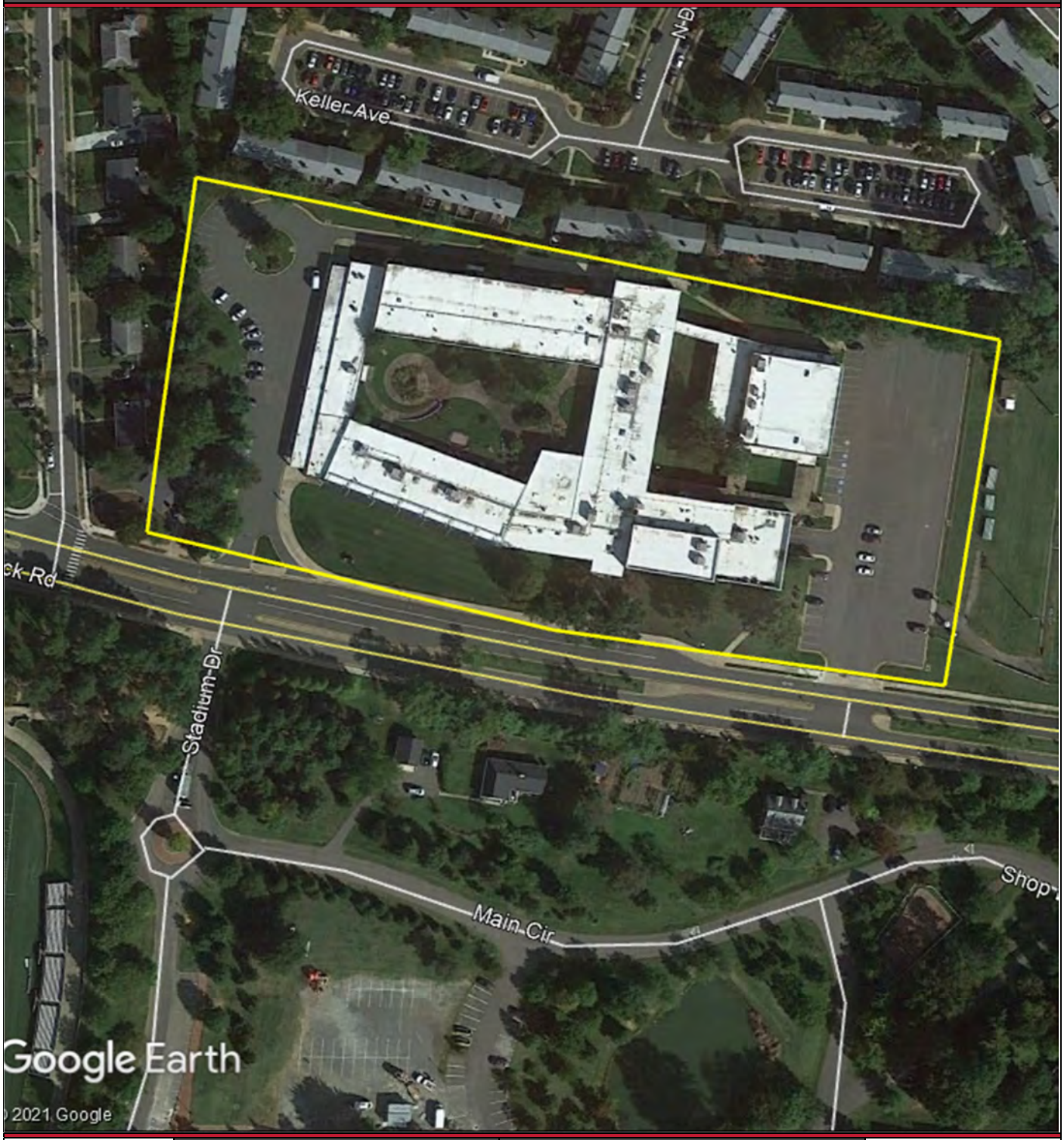
46 - STRUCTURAL ISSUE



47 – STRUCTURAL ISSUE

Appendix B:
Site Plan

Site Plan



Project Number	Project Name
148303.21R000-015.354	Alexandria High School: Minnie Howard Campus (T.C. Williams)
Source	**On-Site Date**
Google	August 10, 2021

BUREAU VERITAS

N

Appendix C:
Pre-Survey Questionnaire

BUREAU VERITAS FACILITY CONDITION ASSESSMENT:
PRE-SURVEY QUESTIONNAIRE

Building / Facility Name:	**Alexandria High School: Minnie Howard Campus (T.C. Williams)**
Name of person completing form:	**John Finnigan**
Title / Association with property:	**Director of Educational Facilities**
Length of time associated w/ property:	**6 years**
Date Completed:	**11/01/21**
Phone Number:	**703.517.1807**
Method of Completion:	Choose an item.

Directions: Please answer all questions to the best of your knowledge and in good faith. Please provide additional details in the Comments column, or backup documentation for any ***Yes*** responses.

DATA OVERVIEW		RESPONSE		
1	Year/s constructed / renovated	1954 / Additions 19555, 1969		
2	Building size in SF	130,435		
3	Major Renovation/Rehabilitation		Year	Additional Detail
		Façade	1996	Window systems
		Roof	1988, 2004	
		Interiors	2018	Partition wall removal, steel stud, gypsum wall installation; HVAC Controls upgrade
		HVAC		
		Electrical	2019	Auditorium LED retrofit
		Site Pavement		
		Accessibility		
QUESTION		**RESPONSE**		
4	List other significant capital improvements (focus on recent years; provide approximate date).	2019 synthetic turf replacement (City of Alexandria)		
5	List any major capital expenditures planned/requested for the next few years. Have they been budgeted?	2022 Modernization (demolition and new construction)		
6	Describe any on-going extremely problematic, historically chronic, or immediate facility needs.			

Mark the column corresponding to the appropriate response. Please provide additional details in the Comments column, or backup documentation for any ***Yes*** responses. (**NA** indicates "*Not Applicable*", **Unk** indicates *"Unknown"*)						
QUESTION		RESPONSE				COMMENTS
		Yes	No	Unk	NA	
7	Are there any problems with foundations or structures, like excessive settlement?		X			
8	Are there any wall, window, basement or roof leaks?		X			
9	Has any part of the facility ever contained visible suspect mold growth, or have there been any indoor air quality or mold related complaints from occupants?	X				There were some reports of mold in 2019 due to roof leaks. An environmental contractor abated the mold and roof patches were completed. There was some mold in a classroom in 2021 due to wall/window water intrusion. Environmental contractor abated the mold and wall, window repairs were made.
10	Are your elevators unreliable, with frequent service calls?		X			
11	Are there any plumbing leaks, water pressure, or clogging/back-up problems?		X			
12	Have there been any leaks or pressure problems with natural gas, HVAC supply/return lines, or steam service?		X			
13	Are any areas of the facility inadequately heated, cooled or ventilated? Any poorly insulated areas?		X			
14	Is the electrical service outdated, undersized, or otherwise problematic?		X			
15	Are there any problems or inadequacies with exterior lighting?		X			
16	Is site/parking drainage inadequate, with excessive ponding or other problems?		X			
17	Are there any other unresolved construction defects or significant issues/hazards at the property that have not yet been identified above?		X			
18	ADA: Has an accessibility study been performed at the site? If so, indicate when.		X			
19	ADA: If a study has occurred, have the associated recommendations been addressed? In full or in part?				X	
20	ADA: Have there been regular complaints about accessibility issues, or associated previous or pending litigation?		X			

Appendix D:
Component Condition Report

Component Condition Report | Alexandria High School: Minnie Howard Campus (T.C. Williams)

UF L3 Code	Location	Condition	Asset/Component/Repair	Quantity	RUL	ID
Facade						
B2010	Building exterior	Fair	Exterior Walls, any painted surface, 1-2 Story Building, Prep & Paint	50,000 SF	2	3192165
B2020	Building exterior	Fair	Window, Aluminum Double-Glazed, 28-40 SF	150	8	3192078
B2050	Building exterior	Fair	Exterior Door, Steel, Standard	20	11	3192149
B2050	Building exterior	Fair	Exterior Door, Aluminum-Framed & Glazed, Standard Swing	12	8	3192060
Roofing						
B3010	Roof	Fair	Roofing, Single-Ply Membrane, TPO/PVC	110,000 SF	6	3192163
B3060	Roof	Fair	Roof Skylight, per unit, up to 20 SF	10	8	3192080
Interiors						
C1030	Throughout building	Fair	Interior Door, Steel, Fire-Rated at 90 Minutes or Over	12	9	3192190
C1030	Throughout building	Fair	Interior Door, Wood, Solid-Core	85	7	3192117
C1030	Throughout building	Fair	Interior Door, Steel, Standard	24	18	3192084
C1070	Throughout building	Fair	Suspended Ceilings, Acoustical Tile (ACT)	85,000 SF	12	3192146
C1090	Restrooms	Fair	Toilet Partitions, Plastic/Laminate	12	7	3192058
C1090	Hallway	Fair	Lockers, Steel-Baked Enamel, 12" W x 15" D x 72" H	100	7	3192057
C2010	Throughout building	Fair	Wall Finishes, any surface, Prep & Paint	100,000 SF	3	3192111
C2010	Restrooms	Good	Wall Finishes, Ceramic Tile	1,000 SF	27	3192098
C2030	Throughout building	Fair	Flooring, Carpet, Commercial Standard	10,000 SF	2	3192070
C2030	Restrooms	Good	Flooring, Ceramic Tile	2,000 SF	27	3192143
C2030	Gymnasium	Fair	Flooring, Wood, Strip	5,000 SF	8	3192110
C2030	Kitchen	Fair	Flooring, Quarry Tile	1,500 SF	11	3192089
C2030	Throughout building	Fair	Flooring, Vinyl Tile (VCT)	95,000 SF	4	3192101
C2030	Restrooms	Fair	Flooring, any surface, w/ Epoxy Coating, Prep & Paint	1,200 SF	3	3192171
C2050	Throughout building	Fair	Ceiling Finishes, any flat surface, Prep & Paint	40,000 SF	3	3192114
Conveying						
D1010	Elevator	Fair	Elevator Cab Finishes, Standard	1	2	3192141
D1010	Mechanical room	Fair	Passenger Elevator, Hydraulic, 2 Floors, Renovate	1	9	3192139
Plumbing						
D2010	Kitchen	Fair	Sink/Lavatory, Commercial Kitchen, 3-Bowl	1	9	3192122
D2010	Mechanical room	Fair	Backflow Preventer, Domestic Water	1	8	3192059
D2010	Mechanical room	Good	Storage Tank, Domestic Water	1	17	3192168
D2010	Mechanical room	Good	Storage Tank, Domestic Water	1	17	3192140
D2010	Restrooms	Fair	Sink/Lavatory, Wall-Hung, Vitreous China	6	8	3192081

UF L3 Code	Location	Condition	Asset/Component/Repair	Quantity	RUL	ID
D2010	Throughout building	Fair	Plumbing System, Supply & Sanitary, Medium Density (includes fixtures)	130,435 SF	18	3192195
D2010	Kitchen	Fair	Sink/Lavatory, Commercial Kitchen, 2-Bowl	1	8	3192142
D2010	Restrooms	Fair	Urinal, Standard	8	8	3192192
D2010	Mechanical room	Fair	Boiler, Gas, Domestic, 260 to 500 MBH [DWHB-C3]	1	12	3192069
D2010	Restrooms	Fair	Sink/Lavatory, Vanity Top, Stainless Steel	10	8	3192157
D2010	Mechanical room	Fair	Boiler, Gas, Domestic, 260 to 500 MBH [DWHB-C-2]	1	12	3192125
D2010	Restrooms	Good	Sink/Lavatory, Trough Style, Solid Surface	4	17	3192119
D2010	Mechanical room	Good	Backflow Preventer, Domestic Water	1	17	3192186
D2010	Mechanical room	Fair	Boiler, Gas, Domestic, 260 to 500 MBH [DHWB-C-1]	1	12	3192178
D2010	Restrooms	Fair	Toilet, Commercial Water Closet	22	8	3192158
HVAC						
D3030	Roof	Fair	Split System, Condensing Unit/Heat Pump, 3 TON	1	3	3192056
D3030	Mechanical room	Fair	Split System, Condensing Unit/Heat Pump, 8 to 10 TON [HP 1G-2]	1	5	3192113
D3030	Mechanical room	Fair	Split System, Condensing Unit/Heat Pump, 8 to 10 TON [HP-2K-3]	1	5	3192074
D3030	Roof	Fair	Split System, Condensing Unit/Heat Pump, 21 to 30 TON	1	2	3192180
D3030	Mechanical room	Fair	Split System, Condensing Unit/Heat Pump, 8 to 10 TON [HP-2K-1]	1	5	3192156
D3030	Roof	Fair	Split System, Condensing Unit/Heat Pump, 21 to 30 TON	1	2	3192115
D3030	Roof	Fair	Split System, Condensing Unit/Heat Pump, 3 TON	1	2	3192193
D3030	Roof	Fair	Split System, Condensing Unit/Heat Pump, 2 TON	1	2	3192126
D3030	Mechanical room	Fair	Split System, Condensing Unit/Heat Pump, 6 to 7.5 TON [HP-1G-1]	1	5	3192120
D3030	Mechanical room	Fair	Split System, Condensing Unit/Heat Pump, 8 to 10 TON [HP-2K-2]	1	5	3192066
D3030	Roof	Fair	Split System, Condensing Unit/Heat Pump, 3 TON	1	2	3192161
D3030	Roof	Fair	Split System Ductless, Single Zone, 1.5 to 2 TON	1	2	3192103
D3030	Mechanical room	Fair	Split System, Condensing Unit/Heat Pump, 8 to 10 TON [HP-1G-3]	1	5	3192073
D3050	Roof	Fair	Packaged Unit, RTU, Pad or Roof-Mounted, 11 to 12.5 TON	1	7	3192184
D3050	Mechanical room	Good	ERU, Interior AHU, Easy/Moderate Access, 6001 to 8000 CFM [ERU-1]	1	17	3192179
D3050	Mechanical room	Good	ERU, Interior AHU, Easy/Moderate Access, 6001 to 8000 CFM [ERU-2]	1	17	3192055
D3050	Mechanical room	Fair	Pump, Distribution, HVAC Chilled or Condenser Water, 16 to 25 HP	1	12	3192106
D3050	Roof	Fair	Packaged Unit, RTU, Pad or Roof-Mounted, 21 to 25 TON	1	7	3192092
D3050	Roof	Fair	Packaged Unit, RTU, Pad or Roof-Mounted, 13 to 15 TON	1	7	3192105
D3050	Roof	Fair	Packaged Unit, RTU, Pad or Roof-Mounted, 16 to 20 TON	1	7	3192173
D3050	Roof	Fair	Packaged Unit, RTU, Pad or Roof-Mounted, 11 to 12.5 TON	1	7	3192072
D3050	Roof	Fair	Packaged Unit, RTU, Pad or Roof-Mounted, 11 to 12.5 TON	1	7	3192169
D3050	Roof	Fair	Packaged Unit, RTU, Pad or Roof-Mounted, 5 TON	1	7	3192095

UF L3 Code	Location	Condition	Asset/Component/Repair	Quantity	RUL	ID
D3050	Roof	Fair	Packaged Unit, RTU, Pad or Roof-Mounted, 21 to 25 TON	1	7	3192175
D3050	Roof	Fair	Packaged Unit, RTU, Pad or Roof-Mounted, 21 to 25 TON	1	7	3192062
D3050	Roof	Fair	Packaged Unit, RTU, Pad or Roof-Mounted, 13 to 15 TON	1	7	3192076
D3050	Roof	Fair	Packaged Unit, RTU, Pad or Roof-Mounted, 5 TON	1	7	3192189
D3050	Roof	Fair	Packaged Unit, RTU, Pad or Roof-Mounted, 21 to 25 TON	1	7	3192094
D3050	Throughout building	Fair	Fan Coil Unit, Hydronic Terminal	6	2	3192118
D3050	Roof	Fair	Packaged Unit, RTU, Pad or Roof-Mounted, 21 to 25 TON	1	7	3192071
D3050	Roof	Fair	Packaged Unit, RTU, Pad or Roof-Mounted, 11 to 12.5 TON	1	7	3192068
D3050	Roof	Fair	Packaged Unit, RTU, Pad or Roof-Mounted, 11 to 12.5 TON	1	7	3192176
D3050	Roof	Fair	Packaged Unit, RTU, Pad or Roof-Mounted, 4 TON	1	7	3192147
D3050	Mechanical room	Fair	ERU, Interior AHU, Easy/Moderate Access, 2401 to 4000 CFM	1	12	3192127
D3050	Mechanical room	Fair	Pump, Distribution, HVAC Chilled or Condenser Water, 16 to 25 HP	1	12	3192191
D3050	Roof	Fair	Packaged Unit, RTU, Pad or Roof-Mounted, 13 to 15 TON	1	7	3192097
D3050	Roof	Fair	Packaged Unit, RTU, Pad or Roof-Mounted, 8 to 10 TON	1	8	3192183
D3050	Roof	Fair	Packaged Unit, RTU, Pad or Roof-Mounted, 21 to 25 TON	1	7	3192112
D3060	Roof	Fair	Exhaust Fan, Roof or Wall-Mounted, 10" Damper, 50 to 500 CFM [11]	1	3	3192155
D3060	Roof	Fair	Exhaust Fan, Roof or Wall-Mounted, 10" Damper, 50 to 500 CFM	1	2	3192177
D3060	Roof	Fair	Exhaust Fan, Roof or Wall-Mounted, 10" Damper, 50 to 500 CFM	1	6	3192174
D3060	Roof	Fair	Exhaust Fan, Roof or Wall-Mounted, 16" Damper, 1001 to 2000 CFM	1	6	3192107
D3060	Roof	Good	Exhaust Fan, Roof or Wall-Mounted, 10" Damper, 50 to 500 CFM	1	16	3192145
D3060	Roof	Fair	Exhaust Fan, Roof or Wall-Mounted, 10" Damper, 50 to 500 CFM	1	2	3192061
D3060	Roof	Fair	Exhaust Fan, Roof or Wall-Mounted, 10" Damper, 50 to 500 CFM	1	2	3192129
D3060	Roof	Fair	Exhaust Fan, Roof or Wall-Mounted, 10" Damper, 50 to 500 CFM	1	6	3192077
D3060	Roof	Fair	Exhaust Fan, Roof or Wall-Mounted, 10" Damper, 50 to 500 CFM	1	4	3192109
D3060	Roof	Fair	Exhaust Fan, Roof or Wall-Mounted, 10" Damper, 50 to 500 CFM	1	2	3192159
Fire Protection						
D4010	Office	Fair	Fire Suppression System, Existing Sprinkler Heads, by SF	10,000 SF	9	3192194
D4010	Kitchen	Good	Fire Suppression System, Commercial Kitchen, per LF of Hood	12 LF	16	3192135
D4030	Throughout building	Fair	Fire Extinguisher, Type ABC, up to 20 LB	20	3	3192151
Electrical						
D5010	Roof	Fair	Solar Power, Photovoltaic (PV) Panel, 24 SF	100	7	3192130
D5010	Building exterior	Good	Generator, Gas or Gasoline	1	18	3192075
D5010	Mechanical room	Fair	Automatic Transfer Switch, ATS, 100 AMP	1	2	3192067
D5010	Mechanical room	Good	Automatic Transfer Switch, ATS, 200 AMP	1	18	3192099

Component Condition Report | Alexandria High School: Minnie Howard Campus (T.C. Williams)

UF L3 Code	Location	Condition	Asset/Component/Repair	Quantity	RUL	ID
D5020	Mechanical room	Fair	Distribution Panel, 120/208 V, 800 AMP [MCPA]	1	2	3192187
D5020	Kitchen	Fair	Distribution Panel, 120/208 V, 400 AMP [NKP1]	1	2	3192082
D5020	Mechanical room	Good	Switchboard, 120/208 V, 3000 AMP	1	27	3192164
D5020	Mechanical room	Good	Distribution Panel, 120/208 V, 800 AMP [EMDP]	1	17	3192134
D5020	Mechanical room	Good	Distribution Panel, 120/208 V [PNL]	1	17	3192181
D5030	Mechanical room	Fair	Variable Frequency Drive, VFD, by HP of Motor, 25 HP [AFD-2]	1	7	3192188
D5030	Mechanical room	Fair	Variable Frequency Drive, VFD, by HP of Motor, 25 HP [AFD-1]	1	7	3192166
D5040	Throughout building	Fair	Emergency & Exit Lighting, Exit Sign, LED	22	2	3192064
D5040	Throughout building	Fair	Interior Lighting System, Full Upgrade, Medium Density & Standard Fixtures	130,435 SF	8	3192124
Fire Alarm & Electronic Systems						
D6060	Throughout Building	Good	Intercom/PA System, Public Address Upgrade, School Stadium	1	12	3047227
D7030	Throughout building	Fair	Security/Surveillance System, Full System Upgrade, Average Density	130,435 SF	2	3192063
D7030	Throughout Building	Fair	Security/Surveillance System, Full System Upgrade, Average Density	130,435 SF	7	3047226
D7050	Office	Fair	Fire Alarm Panel, Fully Addressable	1	4	3192091
D7050	Throughout building	Fair	Fire Alarm System, Full System Upgrade, Standard Addressable	130,435 SF	7	3192087
D7050	Entrance	Fair	Fire Alarm Panel, Annunciator	1	4	3192090
D8010	Throughout building	Fair	BAS/HVAC Controls, Extensive/Robust BMS or Smart Building System	130,435 SF	1	3192083
Equipment & Furnishings						
E1030	Kitchen	Fair	Foodservice Equipment, Walk-In, Freezer	1	7	3192108
E1030	Kitchen	Fair	Foodservice Equipment, Prep Table Refrigerated, Salad/Sandwich	1	2	3192148
E1030	Kitchen	Fair	Foodservice Equipment, Prep Table Refrigerated, Salad/Sandwich	1	2	3192093
E1030	Kitchen	Fair	Foodservice Equipment, Convection Oven, Double	1	2	3192100
E1030	Kitchen	Fair	Foodservice Equipment, Food Warmer, Proofing Cabinet on Wheels	1	2	3192170
E1030	Kitchen	Fair	Foodservice Equipment, Steamer, Freestanding	1	2	3192150
E1030	Kitchen	Fair	Foodservice Equipment, Garbage Disposal, 1 to 3 HP	1	2	3192167
E1030	Kitchen	Fair	Foodservice Equipment, Dishwasher Commercial	1	2	3192104
E1030	Kitchen	Fair	Foodservice Equipment, Food Warmer, Proofing Cabinet on Wheels	1	2	3192085
E1030	Kitchen	Fair	Foodservice Equipment, Garbage Disposal, 1 to 3 HP	1	2	3192096
E1030	Roof	Fair	Foodservice Equipment, Walk-In, Condenser for Refigerator/Freezer	1	2	3192086
E1030	Kitchen	Fair	Foodservice Equipment, Refrigerator, Undercounter 1-Door	1	2	3192079
E1030	Kitchen	Fair	Foodservice Equipment, Walk-In, Refrigerator	1	7	3192138
E1030	Kitchen	Fair	Foodservice Equipment, Griddle	1	2	3192153
E1030	Roof	Fair	Foodservice Equipment, Walk-In, Condenser for Refigerator/Freezer	1	2	3192123
E1030	Kitchen	Fair	Foodservice Equipment, Range/Oven, 6-Burner	1	2	3192102

UF L3 Code	Location	Condition	Asset/Component/Repair	Quantity	RUL	ID
E1030	Kitchen	Fair	Foodservice Equipment, Food Warmer, Proofing Cabinet on Wheels	1	2	3192132
E1030	Kitchen	Fair	Foodservice Equipment, Freezer, 2-Door Reach-In	1	2	3192065
E1030	Kitchen	Fair	Foodservice Equipment, Steamer, Freestanding	1	2	3192152
E1030	Kitchen	Fair	Foodservice Equipment, Exhaust Hood, 8 to 10 LF	1	2	3192137
E1030	Kitchen	Fair	Foodservice Equipment, Garbage Disposal, 1 to 3 HP	1	2	3192172
E1030	Kitchen	Fair	Foodservice Equipment, Refrigerator, Undercounter 1-Door	1	2	3192182
E1030	Kitchen	Fair	Foodservice Equipment, Food Warmer, Proofing Cabinet on Wheels	1	2	3192144
E1030	Kitchen	Fair	Foodservice Equipment, Refrigerator, 2-Door Reach-In	1	2	3192116
E1030	Kitchen	Fair	Foodservice Equipment, Steam Kettle	1	7	3192133
E2010	Auditorium	Fair	Fixed Seating, Auditorium/Theater, Metal Cushioned Standard	140	3	3192128
Pedestrian Plazas & Walkways						
G2020	Site	Fair	Parking Lots, Pavement, Asphalt, Mill & Overlay	50,000 SF	9	3192160
G2020	Site	Fair	Parking Lots, Pavement, Asphalt, Seal & Stripe	50,000 SF	1	3192131
G2030	Site	Fair	Sidewalk, Concrete, Large Areas	3,500 SF	11	3192162
Athletic, Recreational & Playfield Areas						
G2050	Gymnasium	Fair	Sports Apparatus, Basketball, Backboard/Rim/Pole	6	3	3192154
Sitework						
G2060	Site	Fair	Signage, Property, Pylon Standard, Replace/Install	1	2	3192121
G2060	Site	Fair	Flagpole, Metal	1	8	3192088
G4050	Building exterior	Good	Exterior Fixture w/ Lamp, any type, w/ LED Replacement	24	16	3192185
G4050	Site	Fair	Pole Light Fixture w/ Lamps, any type 20' High, w/ LED Replacement, Replace/Install	10	2	3192136
Follow-up Studies						
P2030		NA	Engineering Study, Structural, Retaining Wall, Evaluate/Report	1	0	3480104
P2030		NA	Engineering Study, Structural, General Design	1	0	3480103

Appendix E:
Replacement Reserves

Replacement Reserves Report

12/20/2021

Location	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	Total Escalated Estimate
Alexandria High School: Minnie Howard Campus (T.C. Williams)	$14,000	$0	$854,141	$904,680	$403,607	$571,267	$176,959	$2,333,440	$2,028,701	$1,853,796	$347,940	$0	$149,705	$1,028,767	$374,215	$0	$0	$1,356,509	$977,656	$3,599,816	$887,848	**$17,863,045**
Alexandria High School: Minnie Howard Campus (T.C. Williams)	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	
Grand Total	**$14,000**	**$0**	**$854,141**	**$904,680**	**$403,607**	**$571,267**	**$176,959**	**$2,333,440**	**$2,028,701**	**$1,853,796**	**$347,940**	**$0**	**$149,705**	**$1,028,767**	**$374,215**	**$0**	**$0**	**$1,356,509**	**$977,656**	**$3,599,816**	**$887,848**	**$17,863,045**

Minnie Howard Secondary School Campus

Uniformat Code	Location Description	ID	Cost Description	Lifespan (EUL)	EAge	RUL	Quantity	Unit	Unit Cost *	Subtotal	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	Deficiency Repair Estimate
B2010	Building exterior	3192165	Exterior Walls, any painted surface, 1-2 Story Building, Prep & Paint	10	7	3	50000	SF	$3.00	$150,000				$150,000										$150,000								**$300,000**
B2020	Building exterior	3192078	Window, Aluminum Double-Glazed, 28-40 SF, Replace	30	21	9	150	EA	$1,250.00	$187,500										$187,500												**$187,500**
B2050	Building exterior	3192060	Exterior Door, Aluminum-Framed & Glazed, Standard Swing, Replace	30	21	9	12	EA	$1,300.00	$15,600										$15,600												**$15,600**
B2050	Building exterior	3192149	Exterior Door, Steel, Standard, Replace	40	28	12	20	EA	$600.00	$12,000													$12,000								**$12,000**
B3010	Roof	3192163	Roofing, Single-Ply Membrane, TPO/PVC, Replace	20	13	7	110000	SF	$17.00	$1,870,000								$1,870,000														**$1,870,000**
B3060	Roof	3192080	Roof Skylight, per unit, up to 20 SF, Replace	30	21	9	10	EA	$1,300.00	$13,000										$13,000												**$13,000**
C1030	Throughout building	3192117	Interior Door, Wood, Solid-Core, Replace	40	32	8	85	EA	$700.00	$59,500									$59,500													**$59,500**
C1030	Throughout building	3192190	Interior Door, Steel, Fire-Rated at 90 Minutes or Over, Replace	40	30	10	12	EA	$950.00	$11,400											$11,400											**$11,400**
C1030	Throughout building	3192084	Interior Door, Steel, Standard, Replace	40	21	19	24	EA	$600.00	$14,400																				$14,400		**$14,400**
C1070	Throughout building	3192146	Suspended Ceilings, Acoustical Tile (ACT), Replace	25	12	13	85000	SF	$3.50	$297,500														$297,500								**$297,500**
C1090	Restrooms	3192058	Toilet Partitions, Plastic/Laminate, Replace	20	12	8	12	EA	$750.00	$9,000									$9,000													**$9,000**
C1090	Hallway	3192057	Lockers, Steel-Baked Enamel, 12" W x 15" D x 72" H, Replace	20	12	8	100	EA	$500.00	$50,000									$50,000													**$50,000**
C2010	Throughout building	3192111	Wall Finishes, any surface, Prep & Paint	10	6	4	100000	SF	$1.50	$150,000					$150,000										$150,000							**$300,000**
C2030	Restrooms	3192171	Flooring, any surface, w/ Epoxy Coating, Prep & Paint	10	6	4	1200	SF	$12.00	$14,400					$14,400										$14,400							**$28,800**
C2030	Kitchen	3192089	Flooring, Quarry Tile, Replace	50	38	12	1500	SF	$26.00	$39,000													$39,000									**$39,000**
C2030	Gymnasium	3192110	Flooring, Wood, Strip, Replace	30	21	9	5000	SF	$15.00	$75,000										$75,000												**$75,000**
C2030	Throughout building	3192101	Flooring, Vinyl Tile (VCT), Replace	15	10	5	95000	SF	$5.00	$475,000						$475,000															$475,000	**$950,000**
C2030	Throughout building	3192070	Flooring, Carpet, Commercial Standard, Replace	10	7	3	10000	SF	$7.50	$75,000				$75,000										$75,000								**$150,000**
C2050	Throughout building	3192114	Ceiling Finishes, any flat surface, Prep & Paint	10	6	4	40000	SF	$2.00	$80,000					$80,000										$80,000							**$160,000**
D1010	Elevator	3192141	Elevator Cab Finishes, Standard, Replace	15	12	3	1	EA	$9,000.00	$9,000				$9,000															$9,000			**$18,000**
D1010	Mechanical room	3192139	Passenger Elevator, Hydraulic, 2 Floors, Renovate	30	20	10	1	EA	$55,000.00	$55,000											$55,000											**$55,000**
D2010	Mechanical room	3192168	Storage Tank, Domestic Water, Replace	30	12	18	1	EA	$6,000.00	$6,000																			$6,000			**$6,000**
D2010	Mechanical room	3192140	Storage Tank, Domestic Water, Replace	30	12	18	1	EA	$11,000.00	$11,000																			$11,000			**$11,000**
D2010	Mechanical room	3192069	Boiler, Gas, Domestic, 260 to 500 MBH, Replace	25	12	13	1	EA	$22,500.00	$22,500														$22,500								**$22,500**
D2010	Mechanical room	3192125	Boiler, Gas, Domestic, 260 to 500 MBH, Replace	25	12	13	1	EA	$22,500.00	$22,500														$22,500								**$22,500**
D2010	Mechanical room	3192178	Boiler, Gas, Domestic, 260 to 500 MBH, Replace	25	12	13	1	EA	$22,500.00	$22,500														$22,500								**$22,500**
D2010	Mechanical room	3192059	Backflow Preventer, Domestic Water, Replace	30	21	9	1	EA	$3,200.00	$3,200										$3,200												**$3,200**
D2010	Mechanical room	3192186	Backflow Preventer, Domestic Water, Replace	30	12	18	1	EA	$6,600.00	$6,600																			$6,600			**$6,600**
D2010	Throughout building	3192195	Plumbing System, Supply & Sanitary, Medium Density (includes fixtures), Replace	40	21	19	130435	SF	$15.00	$1,956,525																				$1,956,525		**$1,956,525**
D2010	Restrooms	3192081	Sink/Lavatory, Wall-Hung, Vitreous China, Replace	30	21	9	6	EA	$1,500.00	$9,000										$9,000												**$9,000**
D2010	Kitchen	3192142	Sink/Lavatory, Commercial Kitchen, 2-Bowl, Replace	30	21	9	1	EA	$2,100.00	$2,100										$2,100												**$2,100**
D2010	Restrooms	3192192	Urinal, Standard, Replace	30	21	9	8	EA	$1,100.00	$8,800										$8,800												**$8,800**
D2010	Restrooms	3192157	Sink/Lavatory, Vanity Top, Stainless Steel, Replace	30	21	9	10	EA	$1,200.00	$12,000										$12,000												**$12,000**
D2010	Restrooms	3192158	Toilet, Commercial Water Closet, Replace	30	21	9	22	EA	$1,300.00	$28,600										$28,600												**$28,600**
D2010	Kitchen	3192122	Sink/Lavatory, Commercial Kitchen, 3-Bowl, Replace	30	20	10	1	EA	$2,500.00	$2,500											$2,500											**$2,500**
D2010	Restrooms	3192119	Sink/Lavatory, Trough Style, Solid Surface, Replace	30	12	18	4	EA	$2,500.00	$10,000																			$10,000			**$10,000**
D3030	Roof	3192180	Split System, Condensing Unit/Heat Pump, 21 to 30 TON, Replace	15	12	3	1	EA	$45,000.00	$45,000				$45,000															$45,000			**$90,000**
D3030	Roof	3192115	Split System, Condensing Unit/Heat Pump, 21 to 30 TON, Replace	15	12	3	1	EA	$45,000.00	$45,000				$45,000															$45,000			**$90,000**
D3030	Roof	3192193	Split System, Condensing Unit/Heat Pump, 3 TON, Replace	15	12	3	1	EA	$4,000.00	$4,000				$4,000															$4,000			**$8,000**
D3030	Roof	3192126	Split System, Condensing Unit/Heat Pump, 2 TON, Replace	15	12	3	1	EA	$3,400.00	$3,400				$3,400															$3,400			**$6,800**
D3030	Roof	3192161	Split System, Condensing Unit/Heat Pump, 3 TON, Replace	15	12	3	1	EA	$4,000.00	$4,000				$4,000															$4,000			**$8,000**
D3030	Roof	3192103	Split System Ductless, Single Zone, 1.5 to 2 TON, Replace	15	12	3	1	EA	$4,800.00	$4,800				$4,800															$4,800			**$9,600**
D3030	Roof	3192056	Split System, Condensing Unit/Heat Pump, 3 TON, Replace	15	11	4	1	EA	$4,000.00	$4,000					$4,000															$4,000		**$8,000**
D3030	Mechanical room	3192113	Split System, Condensing Unit/Heat Pump, 8 to 10 TON, Replace	15	9	6	1	EA	$25,800.00	$25,800							$25,800															**$25,800**
D3030	Mechanical room	3192074	Split System, Condensing Unit/Heat Pump, 8 to 10 TON, Replace	15	9	6	1	EA	$25,800.00	$25,800							$25,800															**$25,800**
D3030	Mechanical room	3192156	Split System, Condensing Unit/Heat Pump, 8 to 10 TON, Replace	15	9	6	1	EA	$25,800.00	$25,800							$25,800															**$25,800**

Uniformat Code	Location Description	ID	Cost Description	Lifespan (EUL)	EAge	RUL	Quantity	Unit	Unit Cost *	Subtotal	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	Deficiency Repair Estimate
D3030	Mechanical room	3192120	Split System, Condensing Unit/Heat Pump, 6 to 7.5 TON, Replace	15	9	6	1	EA	$19,200.00	$19,200							$19,200																**$19,200**
D3030	Mechanical room	3192066	Split System, Condensing Unit/Heat Pump, 8 to 10 TON, Replace	15	9	6	1	EA	$25,800.00	$25,800							$25,800																**$25,800**
D3030	Mechanical room	3192073	Split System, Condensing Unit/Heat Pump, 8 to 10 TON, Replace	15	9	6	1	EA	$25,800.00	$25,800							$25,800																**$25,800**
D3050	Throughout building	3192118	Fan Coil Unit, Hydronic Terminal, Replace	20	17	3	6	EA	$3,600.00	$21,600				$21,600																		**$21,600**
D3050	Mechanical room	3192106	Pump, Distribution, HVAC Chilled or Condenser Water, 16 to 25 HP, Replace	25	12	13	1	EA	$13,600.00	$13,600														$13,600								**$13,600**
D3050	Mechanical room	3192191	Pump, Distribution, HVAC Chilled or Condenser Water, 16 to 25 HP, Replace	25	12	13	1	EA	$13,600.00	$13,600														$13,600								**$13,600**
D3050	Roof	3192184	Packaged Unit, RTU, Pad or Roof-Mounted, 11 to 12.5 TON, Replace	20	12	8	1	EA	$25,000.00	$25,000									$25,000														**$25,000**
D3050	Roof	3192092	Packaged Unit, RTU, Pad or Roof-Mounted, 21 to 25 TON, Replace	20	12	8	1	EA	$45,000.00	$45,000									$45,000														**$45,000**
D3050	Roof	3192105	Packaged Unit, RTU, Pad or Roof-Mounted, 13 to 15 TON, Replace	20	12	8	1	EA	$30,000.00	$30,000									$30,000														**$30,000**
D3050	Roof	3192173	Packaged Unit, RTU, Pad or Roof-Mounted, 16 to 20 TON, Replace	20	12	8	1	EA	$40,000.00	$40,000									$40,000														**$40,000**
D3050	Roof	3192072	Packaged Unit, RTU, Pad or Roof-Mounted, 11 to 12.5 TON, Replace	20	12	8	1	EA	$25,000.00	$25,000									$25,000														**$25,000**
D3050	Roof	3192169	Packaged Unit, RTU, Pad or Roof-Mounted, 11 to 12.5 TON, Replace	20	12	8	1	EA	$25,000.00	$25,000									$25,000														**$25,000**
D3050	Roof	3192095	Packaged Unit, RTU, Pad or Roof-Mounted, 5 TON, Replace	20	12	8	1	EA	$11,000.00	$11,000									$11,000														**$11,000**
D3050	Roof	3192175	Packaged Unit, RTU, Pad or Roof-Mounted, 21 to 25 TON, Replace	20	12	8	1	EA	$45,000.00	$45,000									$45,000														**$45,000**
D3050	Roof	3192062	Packaged Unit, RTU, Pad or Roof-Mounted, 21 to 25 TON, Replace	20	12	8	1	EA	$45,000.00	$45,000									$45,000														**$45,000**
D3050	Roof	3192076	Packaged Unit, RTU, Pad or Roof-Mounted, 13 to 15 TON, Replace	20	12	8	1	EA	$30,000.00	$30,000									$30,000														**$30,000**
D3050	Roof	3192189	Packaged Unit, RTU, Pad or Roof-Mounted, 5 TON, Replace	20	12	8	1	EA	$11,000.00	$11,000									$11,000														**$11,000**
D3050	Roof	3192094	Packaged Unit, RTU, Pad or Roof-Mounted, 21 to 25 TON, Replace	20	12	8	1	EA	$45,000.00	$45,000									$45,000														**$45,000**
D3050	Roof	3192071	Packaged Unit, RTU, Pad or Roof-Mounted, 21 to 25 TON, Replace	20	12	8	1	EA	$45,000.00	$45,000									$45,000														**$45,000**
D3050	Roof	3192068	Packaged Unit, RTU, Pad or Roof-Mounted, 11 to 12.5 TON, Replace	20	12	8	1	EA	$25,000.00	$25,000									$25,000														**$25,000**
D3050	Roof	3192176	Packaged Unit, RTU, Pad or Roof-Mounted, 11 to 12.5 TON, Replace	20	12	8	1	EA	$25,000.00	$25,000									$25,000														**$25,000**
D3050	Roof	3192147	Packaged Unit, RTU, Pad or Roof-Mounted, 4 TON, Replace	20	12	8	1	EA	$9,000.00	$9,000									$9,000														**$9,000**
D3050	Roof	3192097	Packaged Unit, RTU, Pad or Roof-Mounted, 13 to 15 TON, Replace	20	12	8	1	EA	$30,000.00	$30,000									$30,000														**$30,000**
D3050	Roof	3192112	Packaged Unit, RTU, Pad or Roof-Mounted, 21 to 25 TON, Replace	20	12	8	1	EA	$45,000.00	$45,000									$45,000														**$45,000**
D3050	Roof	3192183	Packaged Unit, RTU, Pad or Roof-Mounted, 8 to 10 TON, Replace	20	11	9	1	EA	$20,000.00	$20,000										$20,000													**$20,000**
D3050	Mechanical room	3192127	ERU, Interior AHU, Easy/Moderate Access, 2401 to 4000 CFM, Replace	25	12	13	1	EA	$22,000.00	$22,000														$22,000								**$22,000**
D3050	Mechanical room	3192179	ERU, Interior AHU, Easy/Moderate Access, 6001 to 8000 CFM, Replace	30	12	18	1	EA	$40,000.00	$40,000																				$40,000			**$40,000**
D3050	Mechanical room	3192055	ERU, Interior AHU, Easy/Moderate Access, 6001 to 8000 CFM, Replace	30	12	18	1	EA	$40,000.00	$40,000																				$40,000			**$40,000**
D3060	Roof	3192177	Exhaust Fan, Roof or Wall-Mounted, 10" Damper, 50 to 500 CFM, Replace	20	17	3	1	EA	$1,200.00	$1,200				$1,200																			**$1,200**
D3060	Roof	3192061	Exhaust Fan, Roof or Wall-Mounted, 10" Damper, 50 to 500 CFM, Replace	20	17	3	1	EA	$1,200.00	$1,200				$1,200																			**$1,200**
D3060	Roof	3192129	Exhaust Fan, Roof or Wall-Mounted, 10" Damper, 50 to 500 CFM, Replace	20	17	3	1	EA	$1,200.00	$1,200				$1,200																			**$1,200**
D3060	Roof	3192159	Exhaust Fan, Roof or Wall-Mounted, 10" Damper, 50 to 500 CFM, Replace	20	17	3	1	EA	$1,200.00	$1,200				$1,200																			**$1,200**
D3060	Roof	3192155	Exhaust Fan, Roof or Wall-Mounted, 10" Damper, 50 to 500 CFM, Replace	20	16	4	1	EA	$1,200.00	$1,200					$1,200																		**$1,200**
D3060	Roof	3192109	Exhaust Fan, Roof or Wall-Mounted, 10" Damper, 50 to 500 CFM, Replace	20	15	5	1	EA	$1,200.00	$1,200						$1,200																	**$1,200**
D3060	Roof	3192174	Exhaust Fan, Roof or Wall-Mounted, 10" Damper, 50 to 500 CFM, Replace	20	13	7	1	EA	$1,200.00	$1,200							$1,200																**$1,200**
D3060	Roof	3192107	Exhaust Fan, Roof or Wall-Mounted, 16" Damper, 1001 to 2000 CFM, Replace	20	13	7	1	EA	$2,400.00	$2,400							$2,400																**$2,400**
D3060	Roof	3192077	Exhaust Fan, Roof or Wall-Mounted, 10" Damper, 50 to 500 CFM, Replace	20	13	7	1	EA	$1,200.00	$1,200							$1,200																**$1,200**
D3060	Roof	3192145	Exhaust Fan, Roof or Wall-Mounted, 10" Damper, 50 to 500 CFM, Replace	20	3	17	1	EA	$1,200.00	$1,200																			$1,200				**$1,200**
D4010	Office	3192194	Fire Suppression System, Existing Sprinkler Heads, by SF, Replace	25	15	10	10000	SF	$1.50	$15,000											$15,000												**$15,000**
D4010	Kitchen	3192135	Fire Suppression System, Commercial Kitchen, per LF of Hood, Replace	20	3	17	12	LF	$400.00	$4,800																			$4,800				**$4,800**
D4030	Throughout building	3192151	Fire Extinguisher, Type ABC, up to 20 LB, Replace	10	6	4	20	EA	$150.00	$3,000					$3,000													$3,000						**$6,000**
D5010	Building exterior	3192075	Generator, Gas or Gasoline, Replace	25	6	19	1	EA	$66,000.00	$66,000																					$66,000		**$66,000**
D5010	Roof	3192130	Solar Power, Photovoltaic (PV) Panel, 24 SF, Replace	20	12	8	100	EA	$1,800.00	$180,000									$180,000														**$180,000**
D5010	Mechanical room	3192067	Automatic Transfer Switch, ATS, 100 AMP, Replace	25	22	3	1	EA	$8,500.00	$8,500				$8,500																			**$8,500**
D5010	Mechanical room	3192099	Automatic Transfer Switch, ATS, 200 AMP, Replace	25	6	19	1	EA	$12,000.00	$12,000																					$12,000		**$12,000**
D5020	Mechanical room	3192187	Distribution Panel, 120/208 V, 800 AMP, Replace	30	27	3	1	EA	$8,000.00	$8,000				$8,000																			**$8,000**
D5020	Kitchen	3192082	Distribution Panel, 120/208 V, 400 AMP, Replace	30	27	3	1	EA	$6,000.00	$6,000				$6,000																			**$6,000**
D5020	Mechanical room	3192134	Distribution Panel, 120/208 V, 800 AMP, Replace	30	12	18	1	EA	$8,000.00	$8,000																				$8,000			**$8,000**
D5020	Mechanical room	3192181	Distribution Panel, 120/208 V, Replace	30	12	18	1	EA	$7,000.00	$7,000																				$7,000			**$7,000**
D5030	Mechanical room	3192188	Variable Frequency Drive, VFD, by HP of Motor, 25 HP, Replace	20	12	8	1	EA	$12,400.00	$12,400									$12,400														**$12,400**
D5030	Mechanical room	3192166	Variable Frequency Drive, VFD, by HP of Motor, 25 HP, Replace	20	12	8	1	EA	$12,400.00	$12,400									$12,400														**$12,400**
D5040	Throughout building	3192064	Emergency & Exit Lighting, Exit Sign, LED, Replace	10	7	3	22	EA	$220.00	$4,840				$4,840										$4,840									**$9,680**
D5040	Throughout building	3192124	Interior Lighting System, Full Upgrade, Medium Density & Standard Fixtures, Replace	20	11	9	130435	SF	$8.00	$1,043,480										$1,043,480													**$1,043,480**
D6060	Throughout Building	3047227	Intercom/PA System, Public Address Upgrade, School Stadium, Replace	20	7	13	1	EA	$4,500.00	$4,500														$4,500									**$4,500**
D7030	Throughout building	3192063	Security/Surveillance System, Full System Upgrade, Average Density, Replace	15	12	3	130435	SF	$2.00	$260,870				$260,870																			**$521,740**
D7030	Throughout Building	3047226	Security/Surveillance System, Full System Upgrade, Average Density, Replace	15	7	8	130435	SF	$2.00	$260,870									$260,870														**$260,870**

Uniformat Code	Location Description	ID	Cost Description	Lifespan (EUL)	EAge	RUL	Quantity	Unit	Unit Cost *	Subtotal	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	Deficiency Repair Estimate
D7050	Office	3192091	Fire Alarm Panel, Fully Addressable, Replace	15	10	5	1	EA	$15,000.00	$15,000						$15,000															$15,000	**$30,000**
D7050	Entrance	3192090	Fire Alarm Panel, Annunciator, Replace	15	10	5	1	EA	$1,580.00	$1,580						$1,580															$1,580	**$3,160**
D7050	Throughout building	3192087	Fire Alarm System, Full System Upgrade, Standard Addressable, Replace	20	12	8	130435	SF	$3.00	$391,305									$391,305													**$391,305**
D8010	Throughout building	3192083	BAS/HVAC Controls, Extensive/Robust BMS or Smart Building System, Replace	15	13	2	130435	SF	$6.00	$782,610			$782,610															$782,610				**$1,565,220**
E1030	Kitchen	3192148	Foodservice Equipment, Prep Table Refrigerated, Salad/Sandwich, Replace	15	12	3	1	EA	$4,700.00	$4,700				$4,700															$4,700			**$9,400**
E1030	Kitchen	3192093	Foodservice Equipment, Prep Table Refrigerated, Salad/Sandwich, Replace	15	12	3	1	EA	$4,700.00	$4,700				$4,700															$4,700			**$9,400**
E1030	Kitchen	3192100	Foodservice Equipment, Convection Oven, Double, Replace	10	7	3	1	EA	$9,500.00	$9,500				$9,500										$9,500								**$19,000**
E1030	Kitchen	3192170	Foodservice Equipment, Food Warmer, Proofing Cabinet on Wheels, Replace	15	12	3	1	EA	$1,700.00	$1,700				$1,700															$1,700			**$3,400**
E1030	Kitchen	3192150	Foodservice Equipment, Steamer, Freestanding, Replace	10	7	3	1	EA	$10,500.00	$10,500				$10,500										$10,500								**$21,000**
E1030	Kitchen	3192167	Foodservice Equipment, Garbage Disposal, 1 to 3 HP, Replace	15	12	3	1	EA	$3,800.00	$3,800				$3,800															$3,800			**$7,600**
E1030	Kitchen	3192104	Foodservice Equipment, Dishwasher Commercial, Replace	10	7	3	1	EA	$21,500.00	$21,500				$21,500										$21,500								**$43,000**
E1030	Kitchen	3192085	Foodservice Equipment, Food Warmer, Proofing Cabinet on Wheels, Replace	15	12	3	1	EA	$1,700.00	$1,700				$1,700															$1,700			**$3,400**
E1030	Kitchen	3192096	Foodservice Equipment, Garbage Disposal, 1 to 3 HP, Replace	15	12	3	1	EA	$3,800.00	$3,800				$3,800															$3,800			**$7,600**
E1030	Roof	3192086	Foodservice Equipment, Walk-In, Condenser for Refigerator/Freezer, Replace	15	12	3	1	EA	$6,300.00	$6,300				$6,300															$6,300			**$12,600**
E1030	Kitchen	3192079	Foodservice Equipment, Refrigerator, Undercounter 1-Door, Replace	15	12	3	1	EA	$1,100.00	$1,100				$1,100															$1,100			**$2,200**
E1030	Kitchen	3192153	Foodservice Equipment, Griddle, Replace	15	12	3	1	EA	$7,000.00	$7,000				$7,000															$7,000			**$14,000**
E1030	Roof	3192123	Foodservice Equipment, Walk-In, Condenser for Refigerator/Freezer, Replace	15	12	3	1	EA	$6,300.00	$6,300				$6,300															$6,300			**$12,600**
E1030	Kitchen	3192102	Foodservice Equipment, Range/Oven, 6-Burner, Replace	15	12	3	1	EA	$6,000.00	$6,000				$6,000															$6,000			**$12,000**
E1030	Kitchen	3192132	Foodservice Equipment, Food Warmer, Proofing Cabinet on Wheels, Replace	15	12	3	1	EA	$1,700.00	$1,700				$1,700															$1,700			**$3,400**
E1030	Kitchen	3192065	Foodservice Equipment, Freezer, 2-Door Reach-In, Replace	15	12	3	1	EA	$5,100.00	$5,100				$5,100															$5,100			**$10,200**
E1030	Kitchen	3192152	Foodservice Equipment, Steamer, Freestanding, Replace	10	7	3	1	EA	$10,500.00	$10,500				$10,500										$10,500								**$21,000**
E1030	Kitchen	3192137	Foodservice Equipment, Exhaust Hood, 8 to 10 LF, Replace	15	12	3	1	EA	$4,500.00	$4,500				$4,500															$4,500			**$9,000**
E1030	Kitchen	3192172	Foodservice Equipment, Garbage Disposal, 1 to 3 HP, Replace	15	12	3	1	EA	$3,800.00	$3,800				$3,800															$3,800			**$7,600**
E1030	Kitchen	3192182	Foodservice Equipment, Refrigerator, Undercounter 1-Door, Replace	15	12	3	1	EA	$1,100.00	$1,100				$1,100															$1,100			**$2,200**
E1030	Kitchen	3192144	Foodservice Equipment, Food Warmer, Proofing Cabinet on Wheels, Replace	15	12	3	1	EA	$1,700.00	$1,700				$1,700															$1,700			**$3,400**
E1030	Kitchen	3192116	Foodservice Equipment, Refrigerator, 2-Door Reach-In, Replace	15	12	3	1	EA	$4,600.00	$4,600				$4,600															$4,600			**$9,200**
E1030	Kitchen	3192108	Foodservice Equipment, Walk-In, Freezer, Replace	20	12	8	1	EA	$25,000.00	$25,000									$25,000													**$25,000**
E1030	Kitchen	3192138	Foodservice Equipment, Walk-In, Refrigerator, Replace	20	12	8	1	EA	$15,000.00	$15,000									$15,000													**$15,000**
E1030	Kitchen	3192133	Foodservice Equipment, Steam Kettle, Replace	20	12	8	1	EA	$30,000.00	$30,000									$30,000													**$30,000**
E2010	Auditorium	3192128	Fixed Seating, Auditorium/Theater, Metal Cushioned Standard, Replace	20	16	4	140	EA	$350.00	$49,000					$49,000																	**$49,000**
G2020	Site	3192131	Parking Lots, Pavement, Asphalt, Seal & Stripe	5	3	2	50000	SF	$0.45	$22,500			$22,500					$22,500						$22,500				$22,500				**$90,000**
G2020	Site	3192160	Parking Lots, Pavement, Asphalt, Mill & Overlay	25	15	10	50000	SF	$3.50	$175,000											$175,000											**$175,000**
G2030	Site	3192162	Sidewalk, Concrete, Large Areas, Replace	50	38	12	3500	SF	$9.00	$31,500														$31,500								**$31,500**
G2050	Gymnasium	3192154	Sports Apparatus, Basketball, Backboard/Rim/Pole, Replace	25	21	4	6	EA	$9,500.00	$57,000					$57,000																	**$57,000**
G2060	Site	3192121	Signage, Property, Pylon Standard, Replace/Install	20	17	3	1	EA	$9,500.00	$9,500				$9,500																		**$9,500**
G2060	Site	3192088	Flagpole, Metal, Replace	30	21	9	1	EA	$2,500.00	$2,500										$2,500												**$2,500**
G4050	Site	3192136	Pole Light Fixture w/ Lamps, any type 20' High, w/ LED Replacement, Replace/Install	20	17	3	10	EA	$4,200.00	$42,000				$42,000																		**$42,000**
G4050	Building exterior	3192185	Exterior Fixture w/ Lamp, any type, w/ LED Replacement, Replace	20	3	17	24	EA	$400.00	$9,600																		$9,600				**$9,600**
P2030	Minnie Howard Secondary School Campus	3480104	Engineering Study, Structural, Retaining Wall, Evaluate/Report	0	0	0	1	EA	$7,000.00	$7,000	$7,000																					**$7,000**
P2030	Minnie Howard Secondary School Campus	3480103	Engineering Study, Structural, General Design	0	0	0	1	EA	$7,000.00	$7,000	$7,000																					**$7,000**
Totals, Unescalated											**$14,000**	**$0**	**$805,110**	**$827,910**	**$358,600**	**$492,780**	**$148,200**	**$1,897,300**	**$1,601,475**	**$1,420,780**	**$258,900**	**$0**	**$105,000**	**$700,540**	**$247,400**	**$0**	**$0**	**$820,710**	**$574,270**	**$2,052,925**	**$491,580**	**$12,817,480**
Totals, Escalated (3.0% inflation, compounded annually)											**$14,000**	**$0**	**$854,141**	**$904,680**	**$403,607**	**$571,267**	**$176,959**	**$2,333,440**	**$2,028,701**	**$1,853,796**	**$347,940**	**$0**	**$149,705**	**$1,028,767**	**$374,215**	**$0**	**$0**	**$1,356,509**	**$977,656**	**$3,599,816**	**$887,848**	**$17,863,045**

Appendix F:
Equipment Inventory List

D10 Conveying

Index	ID	UFCode	Component Description	Attributes	Capacity	Building	Location Detail	Manufacturer	Model	Serial	Dataplate Yr	Barcode	Qty
1	3192139	D1010	**Passenger Elevator**	Hydraulic, 2 Floors	2500 LB	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Mechanical room	Dover	EP-60-20	E-D8923	2008	00247211	

D20 Plumbing

Index	ID	UFCode	Component Description	Attributes	Capacity	Building	Location Detail	Manufacturer	Model	Serial	Dataplate Yr	Barcode	Qty
1	3192168	D2010	**Storage Tank**	Domestic Water	940 GAL	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Mechanical room	Lochinvar	RGA0940-5-9-002	G09J00039454	2009	00151434	
2	3192140	D2010	**Storage Tank**	Domestic Water	2000 GAL	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Mechanical room	Lochinvar	TVG2000J-5-9-001	G09J00039455	2009	00151433	
3	3192178	D2010	**Boiler** [DHWB-C-1]	Gas, Domestic, 260 to 500 MBH	500 MBH	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Mechanical room	Lochinvar	AWN500PM	G09H10112769	2009	00151437	
4	3192125	D2010	**Boiler** [DWHB-C-2]	Gas, Domestic, 260 to 500 MBH	500 MBH	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Mechanical room	Lochinvar	AWN500PM	G09H10112307	2009	00151436	
5	3192069	D2010	**Boiler** [DWHB-C3]	Gas, Domestic, 260 to 500 MBH	500 MBH	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Mechanical room	Lochinvar	AWN500PM	G09H10112767	2009	00151435	
6	3192059	D2010	**Backflow Preventer**	Domestic Water	2 IN	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Mechanical room	Watts	909	374777	2000	00151342	
7	3192186	D2010	**Backflow Preventer**	Domestic Water	4 IN	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Mechanical room	Watts	909	200577	2009	00151348	

D30 HVAC

Index	ID	UFCode	Component Description	Attributes	Capacity	Building	Location Detail	Manufacturer	Model	Serial	Dataplate Yr	Barcode	Qty
1	3192126	D3030	**Split System**	Condensing Unit/Heat Pump, 2 TON	2 TON	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Roof	Goodman	CK24-1H	0301498052	2001	00247241	
2	3192180	D3030	**Split System**	Condensing Unit/Heat Pump, 21 to 30 TON	25 TON	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Roof	Aaon	CCB-025-2-A-2-BAB00A0	200906-CHCM00982	2009	00247492	
3	3192115	D3030	**Split System**	Condensing Unit/Heat Pump, 21 to 30 TON	25 TON	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Roof	Aaon	CCB-025-2-A-2-BAB00A0	Illegible	2009	00247491	
4	3192056	D3030	**Split System**	Condensing Unit/Heat Pump, 3 TON	3 TON	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Roof	Carrier	24ANA136A320	2210E22974	2010	00247224	
5	3192193	D3030	**Split System**	Condensing Unit/Heat Pump, 3 TON	3 TON	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Roof	Aaon	CB-036-2-B-1 BAHAA0	201007CDCC0413	2009	00247225	

6	3192161	D3030	**Split System**	Condensing Unit/Heat Pump, 3 TON	3 TON	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Roof	Aaon	CB-B-036-2-B-1BAH0AA0	201007CDCC01412	2009	00247226	
7	3192113	D3030	**Split System** [HP 1G-2]	Condensing Unit/Heat Pump, 8 to 10 TON	8 TON	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Mechanical room	Mitsubishi	PQRY-P96TGMU-A	96W00232	2009	00151446	
8	3192120	D3030	**Split System** [HP-1G-1]	Condensing Unit/Heat Pump, 6 to 7.5 TON	6 TON	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Mechanical room	Mitsubishi	PQRY-P72TGMU-A	8XW00027	2009	00151447	
9	3192073	D3030	**Split System** [HP-1G-3]	Condensing Unit/Heat Pump, 8 to 10 TON	8 TON	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Mechanical room	Mitsubishi	PQRY-P96TGMU-A	96W00235	2009	00151445	
10	3192156	D3030	**Split System** [HP-2K-1]	Condensing Unit/Heat Pump, 8 to 10 TON	8 TON	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Mechanical room	Mitsubishi	PQRY-P96TGMU-A	96W00245	2009	00151442	
11	3192066	D3030	**Split System** [HP-2K-2]	Condensing Unit/Heat Pump, 8 to 10 TON	8 TON	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Mechanical room	Mitsubishi	PQRY-P96TGMU-A	96W00262	2009	00151443	
12	3192074	D3030	**Split System** [HP-2K-3]	Condensing Unit/Heat Pump, 8 to 10 TON	8 TON	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Mechanical room	Mitsubishi	PQRY-P96TGMU-A	96W0024T	2009	00151444	
13	3192103	D3030	**Split System Ductless**	Single Zone, 1.5 to 2 TON	1.5 TON	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Roof	Mitsubishi	PUZ-A18NHA2	61U13856	2009	00247232	
14	3192118	D3050	**Fan Coil Unit**	Hydronic Terminal	1200 CFM	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Throughout building	Inaccessible	Inaccessible	Inaccessible	2000		6
15	3192106	D3050	**Pump**	Distribution, HVAC Chilled or Condenser Water, 16 to 25 HP	25 HP	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Mechanical room	Bell & Gossett	1510BESW-125	G088918-02190	2009	00151438	
16	3192191	D3050	**Pump**	Distribution, HVAC Chilled or Condenser Water, 16 to 25 HP	25 HP	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Mechanical room	Bell & Gossett	1510BFSW12.5	C088918-01F90	2009	00151439	
17	3192127	D3050	**ERU**	Interior AHU, Easy/Moderate Access, 2401 to 4000 CFM	4000 CFM	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Mechanical room	Innovent	E-CAHU-1A-4000-HP/HG/EH/FC-3-E	209042	2009	00151341	
18	3192179	D3050	**ERU** [ERU-1]	Interior AHU, Easy/Moderate Access, 6001 to 8000 CFM	7000 CFM	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Mechanical room	Innovent	E-LASER-2B-7000-DX/HW/FC/FR-3-G	209042	2009	00151449	
19	3192055	D3050	**ERU** [ERU-2]	Interior AHU, Easy/Moderate Access, 6001 to 8000 CFM	7000 CFM	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Mechanical room	Innovent	E-LASER-2B-7000-DX/HW/FC/FR-2-G	209042	2009	00151448	
20	3192184	D3050	**Packaged Unit**	RTU, Pad or Roof-Mounted, 11 to 12.5 TON	11.5 TON	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Roof	Carrier	48PGNC14-A-50-WC	2908G1006	2009	00247493	

21	3192072	D3050	**Packaged Unit**	RTU, Pad or Roof-Mounted, 11 to 12.5 TON	11.5 TON	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Roof	Carrier	48PGNC14-A-50-WG	2908G10009	2009	00247228
22	3192169	D3050	**Packaged Unit**	RTU, Pad or Roof-Mounted, 11 to 12.5 TON	11.5 TON	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Roof	Carrier	48PGNC14-A-50-WC	2908G10007	2009	00247230
23	3192068	D3050	**Packaged Unit**	RTU, Pad or Roof-Mounted, 11 to 12.5 TON	11.5 TON	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Roof	Carrier	48PGNC14-A-50-WQ	2908G10008	2009	00247231
24	3192176	D3050	**Packaged Unit**	RTU, Pad or Roof-Mounted, 11 to 12.5 TON	11.5 TON	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Roof	Carrier	48PGNC14-A-50-WC	2908G10005	2009	00247233
25	3192105	D3050	**Packaged Unit**	RTU, Pad or Roof-Mounted, 13 to 15 TON	13.5 TON	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Roof	Carrier	48PGNC16HK-50-WS	0809G20031	2009	00247220
26	3192076	D3050	**Packaged Unit**	RTU, Pad or Roof-Mounted, 13 to 15 TON	13.5 TON	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Roof	Carrier	48PGMC16HJ-50-WS	4808G10186	2009	00247239
27	3192097	D3050	**Packaged Unit**	RTU, Pad or Roof-Mounted, 13 to 15 TON	13.5 TON	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Roof	Carrier	48PGNC16HK-50-WS	0809G20032	2009	00247235
28	3192173	D3050	**Packaged Unit**	RTU, Pad or Roof-Mounted, 16 to 20 TON	20 TON	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Roof	Carrier	48PGNC24-C-50-WC	3008G10003	2009	00247238
29	3192092	D3050	**Packaged Unit**	RTU, Pad or Roof-Mounted, 21 to 25 TON	23.5 TON	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Roof	Carrier	48PGNC28-D-50-WC	3008G10005	2009	00247237
30	3192175	D3050	**Packaged Unit**	RTU, Pad or Roof-Mounted, 21 to 25 TON	23.5 TON	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Roof	Carrier	48PGNC28HL-50-WS	4708G50078	2009	00247240
31	3192062	D3050	**Packaged Unit**	RTU, Pad or Roof-Mounted, 21 to 25 TON	23.5 TON	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Roof	Carrier	48PGNC28-C-50-WC	3008G10004	2009	00247229
32	3192094	D3050	**Packaged Unit**	RTU, Pad or Roof-Mounted, 21 to 25 TON	23.5 TON	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Roof	Carrier	48PGNC28-D-50-WC	3008G10006	2009	00247212
33	3192071	D3050	**Packaged Unit**	RTU, Pad or Roof-Mounted, 21 to 25 TON	23.5 TON	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Roof	Carrier	48PMNC28JD-51-3R	2809G30040	2009	00247207
34	3192112	D3050	**Packaged Unit**	RTU, Pad or Roof-Mounted, 21 to 25 TON	23.5 TON	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Roof	Carrier	48PMNC28JD-51-3R	2809G30041	2009	00247210
35	3192147	D3050	**Packaged Unit**	RTU, Pad or Roof-Mounted, 4 TON	4 TON	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Roof	Carrier	48PGN05-D-50-WC	2908G20024	2009	00247251

36	3192095	D3050	**Packaged Unit**	RTU, Pad or Roof-Mounted, 5 TON	5 TON	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Roof	Carrier	48PGMC06JA-50-3D	2909G40029	2009	00247208	
37	3192189	D3050	**Packaged Unit**	RTU, Pad or Roof-Mounted, 5 TON	5 TON	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Roof	Carrier	48PGM06-A-50-3D	29G40030	2009	00247209	
38	3192183	D3050	**Packaged Unit**	RTU, Pad or Roof-Mounted, 8 to 10 TON	10 TON	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Roof	Carrier	48PGDC12JM-50-WE	2810G30015	2010	00247223	
39	3192177	D3060	**Exhaust Fan**	Roof or Wall-Mounted, 10" Damper, 50 to 500 CFM	500 CFM	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Roof	Dayton	3C555	No tag/plate found	2000	00247234	
40	3192174	D3060	**Exhaust Fan**	Roof or Wall-Mounted, 10" Damper, 50 to 500 CFM	500 CFM	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Roof	Loren Cook	Illegible	Illegible	2008	00247217	
41	3192145	D3060	**Exhaust Fan**	Roof or Wall-Mounted, 10" Damper, 50 to 500 CFM	500 CFM	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Roof	Greenheck	G-075-DGEX-QD	1534484718B	2018	00247236	
42	3192061	D3060	**Exhaust Fan**	Roof or Wall-Mounted, 10" Damper, 50 to 500 CFM	500 CFM	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Roof	Trane	CRB15	561079	2000	00247215	
43	3192129	D3060	**Exhaust Fan**	Roof or Wall-Mounted, 10" Damper, 50 to 500 CFM	500 CFM	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Roof	Trane	CRB15	561087	2000	00247216	
44	3192077	D3060	**Exhaust Fan**	Roof or Wall-Mounted, 10" Damper, 50 to 500 CFM	500 CFM	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Roof	Cook	100ACEH100CC10DH	1439S619549-00/0004301	2008	00247222	
45	3192109	D3060	**Exhaust Fan**	Roof or Wall-Mounted, 10" Damper, 50 to 500 CFM	500 CFM	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Roof	PennBarry	DX16S	G06AA90692	2006	00247221	
46	3192159	D3060	**Exhaust Fan**	Roof or Wall-Mounted, 10" Damper, 50 to 500 CFM	500 CFM	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Roof	Greenheck	GB-160-7X	93E04412	2004	00247214	
47	3192107	D3060	**Exhaust Fan**	Roof or Wall-Mounted, 16" Damper, 1001 to 2000 CFM	1800 CFM	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Roof	Loren Cook	165ACE165C10D	143SC19549-00/0000701	2008	00247227	
48	3192155	D3060	**Exhaust Fan** [11]	Roof or Wall-Mounted, 10" Damper, 50 to 500 CFM	500 CFM	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Roof	Greenheck	GB-80-4X	93E05026	2005	00247213	

D40 Fire Protection

Index	ID	UFCode	Component Description	Attributes	Capacity	Building	Location Detail	Manufacturer	Model	Serial	Dataplate Yr	Barcode	Qty
1	3192135	D4010	**Fire Suppression System**	Commercial Kitchen, per LF of Hood		Alexandria High School: Minnie Howard Campus (T.C. Williams)	Kitchen	Range Guard	RG-4GM	No tag/plate found	2018	00247247	12
2	3192151	D4030	**Fire Extinguisher**	Type ABC, up to 20 LB		Alexandria High School: Minnie Howard Campus (T.C. Williams)	Throughout building	No tag/plate found	No tag/plate found	No tag/plate found	2015		20

D50 Electrical

Index	ID	UFCode	Component Description	Attributes	Capacity	Building	Location Detail	Manufacturer	Model	Serial	Dataplate Yr	Barcode	Qty
1	3192075	D5010	**Generator**	Gas or Gasoline	85 KW	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Building exterior	Cummins	GGHG-1510248	F150838811	2015	00247206	
2	3192067	D5010	**Automatic Transfer Switch**	ATS, 100 AMP	100 AMP	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Mechanical room	Zenith	ZTS10EC-4AAAACELLPRTHW	148729	1993	00151346	
3	3192099	D5010	**Automatic Transfer Switch**	ATS, 200 AMP	225 AMP	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Mechanical room	Cummins	OTECB-1510247	E15M828115	2015	00151343	
4	3192164	D5020	**Switchboard**	120/208 V, 3000 AMP	3000 AMP	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Mechanical room	Siemens	No tag/plate found	No tag/plate found	2009	00151347	
5	3192134	D5020	**Distribution Panel** [EMDP]	120/208 V, 800 AMP	800 AMP	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Mechanical room	Siemens	P4C60ML800FTS	No tag/plate found	2009	00151344	
6	3192187	D5020	**Distribution Panel** [MCPA]	120/208 V, 800 AMP	800 AMP	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Mechanical room	Siemens	S5C60ML800CTS	No tag/plate found	1993	00151432	
7	3192082	D5020	**Distribution Panel** [NKP1]	120/208 V, 400 AMP	400 AMP	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Kitchen	Siemens	S3C42ML400FTS	No tag/plate found	1993	00247495	
8	3192181	D5020	**Distribution Panel** [PNL]	120/208 V	600 AMP	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Mechanical room	Siemens	P4C600ML600FTS	No tag/plate found	2009	00151340	
9	3192166	D5030	**Variable Frequency Drive** [AFD-1]	VFD, by HP of Motor, 25 HP	25 HP	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Mechanical room	Square D	No tag/plate found	No tag/plate found	2009	00151441	
10	3192188	D5030	**Variable Frequency Drive** [AFD-2]	VFD, by HP of Motor, 25 HP	25 HP	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Mechanical room	Square D	No tag/plate found	No tag/plate found	2009	00151440	
11	3192064	D5040	**Emergency & Exit Lighting**	Exit Sign, LED		Alexandria High School: Minnie Howard Campus (T.C. Williams)	Throughout building	Inaccessible	Inaccessible	Inaccessible	2009		22

D70 Electronic Safety & Security

Index	ID	UFCode	Component Description	Attributes	Capacity	Building	Location Detail	Manufacturer	Model	Serial	Dataplate Yr	Barcode	Qty
1	3192091	D7050	**Fire Alarm Panel**	Fully Addressable		Alexandria High School: Minnie Howard Campus (T.C. Williams)	Office	Notifier	NFS2-3030D	No tag/plate found	2009	00151450	

E10 Equipment

Index	ID	UFCode	Component Description	Attributes	Capacity	Building	Location Detail	Manufacturer	Model	Serial	Dataplate Yr	Barcode	Qty
1	3192100	E1030	**Foodservice Equipment**	Convection Oven, Double		Alexandria High School: Minnie Howard Campus (T.C. Williams)	Kitchen	Blodgett	HV-100G	021318K1060B	2009	00247254	
2	3192104	E1030	**Foodservice Equipment**	Dishwasher Commercial		Alexandria High School: Minnie Howard Campus (T.C. Williams)	Kitchen	Hobart	C-44A	ML-1QA150-ELL	2009	00247261	

3	3192137	E1030	**Foodservice Equipment**	Exhaust Hood, 8 to 10 LF	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Kitchen	No tag/plate found	No tag/plate found	No tag/plate found	2009	00247246
4	3192170	E1030	**Foodservice Equipment**	Food Warmer, Proofing Cabinet on Wheels	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Kitchen	Winston Industries	4000A	No tag/plate found	2009	00247253
5	3192085	E1030	**Foodservice Equipment**	Food Warmer, Proofing Cabinet on Wheels	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Kitchen	Delfield	No tag/plate found	No tag/plate found	2009	00247256
6	3192132	E1030	**Foodservice Equipment**	Food Warmer, Proofing Cabinet on Wheels	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Kitchen	Delfield	KM-5-NU	No tag/plate found	2009	00247259
7	3192144	E1030	**Foodservice Equipment**	Food Warmer, Proofing Cabinet on Wheels	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Kitchen	Winston Industries	4000A	No tag/plate found	2009	00247255
8	3192065	E1030	**Foodservice Equipment**	Freezer, 2-Door Reach-In	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Kitchen	Victory	FS-2D-S7	D9305V116	2009	00247252
9	3192167	E1030	**Foodservice Equipment**	Garbage Disposal, 1 to 3 HP	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Kitchen	InSinkErator	SS-100-9	104682	2009	00247263
10	3192096	E1030	**Foodservice Equipment**	Garbage Disposal, 1 to 3 HP	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Kitchen	InSinkErator	SS75-28	PJ293870	2009	00247249
11	3192172	E1030	**Foodservice Equipment**	Garbage Disposal, 1 to 3 HP	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Kitchen	Salvajor	No tag/plate found	No tag/plate found	2009	00247262
12	3192153	E1030	**Foodservice Equipment**	Griddle	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Kitchen	No tag/plate found	No tag/plate found	No tag/plate found	2009	00247494
13	3192148	E1030	**Foodservice Equipment**	Prep Table Refrigerated, Salad/Sandwich	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Kitchen	Delfield	KCSC-60-NU	No tag/plate found	2009	00247260
14	3192093	E1030	**Foodservice Equipment**	Prep Table Refrigerated, Salad/Sandwich	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Kitchen	Delfield	KCSC-60-NU	No tag/plate found	2009	00247258
15	3192102	E1030	**Foodservice Equipment**	Range/Oven, 6-Burner	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Kitchen	Vulcan	No tag/plate found	No tag/plate found	2009	00247265
16	3192116	E1030	**Foodservice Equipment**	Refrigerator, 2-Door Reach-In	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Kitchen	Hobart	Q2	32565138	2009	00247248
17	3192079	E1030	**Foodservice Equipment**	Refrigerator, Undercounter 1-Door	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Kitchen	Traulsen	RMC58S6	T80821E17	2009	00247257

18	3192182	E1030	**Foodservice Equipment**	Refrigerator, Undercounter 1-Door	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Kitchen	Traulsen	RMC58S6	T79119D17	2009	00247496
19	3192133	E1030	**Foodservice Equipment**	Steam Kettle	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Kitchen	Vulcan	No tag/plate found	No tag/plate found	2009	00247245
20	3192150	E1030	**Foodservice Equipment**	Steamer, Freestanding	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Kitchen	Vulcan	ABC7G-NAT	64-1073229	2009	00247244
21	3192152	E1030	**Foodservice Equipment**	Steamer, Freestanding	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Kitchen	Accutemp	No tag/plate found	No tag/plate found	2009	00247250
22	3192086	E1030	**Foodservice Equipment**	Walk-In, Condenser for Refigerator/Freezer	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Roof	No tag/plate found	No tag/plate found	No tag/plate found	2009	00247219
23	3192123	E1030	**Foodservice Equipment**	Walk-In, Condenser for Refigerator/Freezer	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Roof	KeepRite	KEHA025L6-HS2B-H	132307153	2009	00247218
24	3192108	E1030	**Foodservice Equipment**	Walk-In, Freezer	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Kitchen	Inaccessible	Inaccessible	Inaccessible	2009	00247242
25	3192138	E1030	**Foodservice Equipment**	Walk-In, Refrigerator	Alexandria High School: Minnie Howard Campus (T.C. Williams)	Kitchen	Masterbuilt	Inaccessible	Inaccessible	2009	00247243