# **FACILITY CONDITION ASSESSMENT**

#### prepared for

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



Samuel W. Tucker Elementary 435 Ferdinand Day Drive Alexandria, Virginia 22302

#### **PREPARED BY:**

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**BV PROJECT #:** 148303.21R000-012.354

**DATE OF REPORT:** *December 20, 2021* 

**ON SITE DATE:** October 11, 2021

#### **Bureau Veritas**



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### 1. Executive Summary

### Property Overview and Assessment Details

General Information	
Property Type	School
Main Address	435 Ferdinand Day Drive, Alexandria, Virginia 22302
Site Developed	YOC 2000 YOR 2011
Site Area	2.2 acres (estimated)
Parking Spaces	42 total spaces all in open lots; 4 of which are accessible
Building Area	80,180 SF
Number of Stories	2 above grade
Outside Occupants / Leased Spaces	None
Date(s) of Visit	October 11, 2021
Management Point of Contact	John Finnigan 703.517.1807 John.Finnigan@acps.k12.va.us
On-site Point of Contact (POC)	Fred Fulton
Assessment and Report Prepared By	Jose Rolon
Reviewed By	Anthony W Conner, MACM, BBA Technical Report Reviewer for: Thomas Bart 800.733.0660 x7540 <u>Thomas.Bart@bureauveritas.com</u>
AssetCalc Link	Full dataset for this assessment can be found at: <u>https://www.assetcalc.net/</u>



### Significant/Systemic Findings and Deficiencies

#### **Historical Summary**

The school was originally constructed in 2000 with some renovations completed in 2011. Overall, the building shows evidence of good construction and adequate maintenance practices in recent years.

#### Architectural

The building appears structurally sound, with no areas of settlement or structural-related deficiencies reported or observed. The exterior envelope systems and components were observed to be performing adequately. 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. Chiller replacement is scheduled for November 2021.

Most of the electrical service equipment and systems are well maintained and should be replaced during normal life expectancy. As needed electrical systems have been updated as needed and are of adequate size to provide necessary power to all systems. No major issues were observed or reported.

In general, the plumbing systems are adequate to serve the facilities, with equipment and fixtures to be updated as needed. The domestic water service within each facility is well maintained, with no evidence of leaks observed at the domestic piping. The domestic hot water supply appears to be adequate. No major issues were observed or reported.

Fire protection system consist of a hard-wired fire alarm system and wet fire sprinkler systems. The alarm system consists of strobes, pull stations, illuminated exit signs, emergency lighting (integrated in the lighting system), and other modern life safety devices. Building wide fire suppression (sprinkler) systems were observed within most of the facility.

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. ACPS is responsible for the south drive and full removal and replacement scheduled for November 2021.

#### **Recommended Additional Studies**

No additional studies recommended at this time.



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

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:

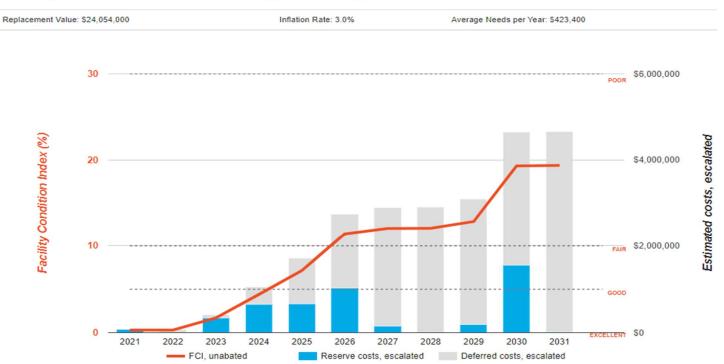
FCI Analysis   Samuel W. Tucker Elementary School Campus(2000)				
Replacement Value \$ 24,054,000	Total SF 80,180	Cost/SF \$ 300		
	E	st Reserve Cost	FCI	
Current		\$ 72,600	0.3 %	
3-Year		\$ 1,057,800	4.4 %	
5-Year		\$ 2,742,100	11.4 %	
10-Year		\$ 4,656,900	19.4 %	



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: Samuel W. Tucker Elementary School Campus



#### Immediate Needs

Facility/Building	Total Items	Total Cost
Samuel W. Tucker Elementary School Campus	3	\$72,600
Total	3	\$72,600

Samuel W. Tucker Elementary School Campus

Ш	Location	Location Description	UF Code	<b>Description</b>	Condition	<u>Plan Type</u>	<u>Cost</u>
3391041	Samuel W. Tucker Elementary School Campus	Site	G2050	Playfield Surfaces, Rubber, Small Areas, Replace	Poor	Performance/Integrity	\$39,000
3390983	Samuel W. Tucker Elementary School Campus	Site	G2020	Parking Lots, Pavement, Asphalt, Mill & Overlay	Failed	Performance/Integrity	\$29,800
3391083	Samuel W. Tucker Elementary School Campus	Site	G2020	Parking Lots, Pavement, Asphalt, Seal & Stripe	Failed	Performance/Integrity	\$3,800
Total (3 items)							\$72,600



### Key Findings



### Parking Lots in Failed condition.

Pavement, Asphalt Samuel W. Tucker Elementary School Campus Site

Uniformat Code: G2021 Recommendation: **Seal and Stripe in 2021**  Priority Score: 84.9

Plan Type: Performance/Integrity

Cost Estimate: \$3,800



Restriping budgeted and scheduled - AssetCALC ID: 3391083



### Parking Lots in Failed condition.

Pavement, Asphalt Samuel W. Tucker Elementary School Campus Site

Uniformat Code: G2021 Recommendation: **Mill and Overlay in 2021**  Priority Score: 84.9

Plan Type: Performance/Integrity

Cost Estimate: \$29,800

**\$\$**\$\$

Pavement work budgeted and scheduled - AssetCALC ID: 3390983



# Playfield Surfaces in Poor condition.

Rubber, Small Areas Samuel W. Tucker Elementary School Campus Site

Uniformat Code: G2055 Recommendation: **Replace in 2021**  Priority Score: 82.9

Plan Type: Performance/Integrity

Cost Estimate: \$39,000

\$\$\$\$



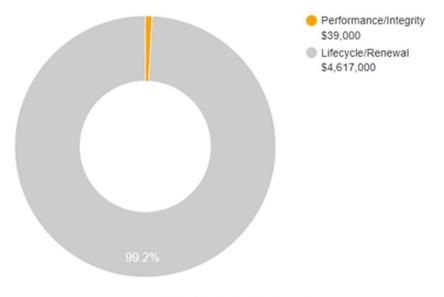
Needs replacement - AssetCALC ID: 3391041

### 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)



10-YEAR TOTAL: \$4,656,000



### 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	Fair
Façade	Primary Wall Finish: Brick Secondary Wall Finish: EIFS Windows: Aluminum	Fair
Roof	Primary: Flat construction with Built up material Secondary: Gable metal construction	Fair
Interiors	Walls: Painted gypsum board and CMU, ceramic tile, unfinished Floors: Carpet, VCT, ceramic tile, quarry tile, wood strip, polished 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 and venting Gas Water Heater Fixtures: Toilets, urinals, and sinks in all restrooms	Fair
HVAC	Packaged units, exhaust fans, Boilers, Chiller, distribution pumps and air handlers Supplemental components: Ductless split systems	Fair
Fire Suppression	Wet sprinkler system 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 diesel generator	Fair
Fire Alarm	Alarm panel with smoke detectors, heat detectors, alarms, strobes, pull stations, and exit signs	Fair
Equipment/Special	Commercial kitchen equipment	Good



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 Pole light fixtures	Good		
Ancillary Structures	None			
Key Issues and Findings	Playground rubber surface needs replacement.			

System	Immediate	Short Term (1-2 yr)	Near Term (3-5 yr)	Med Term (6-10 yr)	Long Term (11-20 yr)	TOTAL
Facade	-	-	-	\$141,567	\$8,416	\$149,983
Roofing	-	-	\$985,945	\$16,962	\$243,042	\$1,245,949
Interiors	-		\$519,672	\$86,115	\$1,203,943	\$1,809,730
Conveying	-	-	\$10,129	\$71,762	\$15,781	\$97,672
Plumbing	-	-	-	\$70,644	\$1,918,466	\$1,989,110
HVAC	-	\$38,827	\$56,047	\$366,979	\$50,079	\$511,932
Fire Protection	-	-	-	\$161,735	\$39,064	\$200,799
Electrical	-	\$24,930	\$62,509	\$889,121	\$2,422,856	\$3,399,416
Fire Alarm & Electronic Systems	-	\$272,777	\$525,689	-	\$1,075,044	\$1,873,510
Equipment & Furnishings	-	-	\$46,370	\$25,043	\$74,084	\$145,497
Site Development	\$39,000	-	\$74,846	\$79,718	\$82,361	\$275,925
Site Pavement	\$33,575	-	\$4,434	\$5,140	\$200,485	\$243,634
Site Utilities	-	-	\$47,271	-	-	\$47,271
TOTALS	\$72,600	\$336,600	\$2,333,000	\$1,914,800	\$7,333,700	\$11,990,700



### 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 and 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 Samuel W. Tucker Elementary, 435 Ferdinand Day Drive, 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.

Prepared by: Jose Rolon

**Reviewed by:** 

Project Manager

Anthony W Conner, MACM, BBA Technical Report Reviewer for: Thomas Bart 800.733.0660 x7540 Thomas.Bart@bureauveritas.com



### 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





**1 - FRONT ELEVATION** 



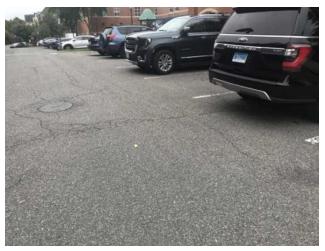
2 - LEFT ELEVATION



**3 - REAR ELEVATION** 



4 - RIGHT ELEVATION



5 - PARKING LOTS, PAVEMENT



6 - PARKING LOTS, PAVEMENT





7 - OVERVIEW OF PAVER DRIVEWAY



9 - WINDOWS



8 - CLOSEUP OF DAMAGED GROUND SURFACE AT PLAYGROUND



10 - EXTERIOR DOORS



11 - ROOFING, METAL



12 - ROOFING, BUILT-UP





13 - ELEVATOR CAB FINISHES, STANDARD



15 - WATER HEATER



17 - TOILET



14 - PASSENGER ELEVATOR, HYDRAULIC



16 - URINAL



18 - SINK/LAVATORY





19 - BOILER NUMBER 1, FULTON PULSE BOILER 6/23/14



21 - PUMP, DISTRIBUTION, HVAC HEATING WATER



23 - PACKAGED UNIT, RTU



20 - AIR-COOLED CHILLER



22 - DISTRIBUTION, HVAC CHILLED WATER



24 - AIR HANDLER, INTERIOR AHU





25 - FIRE RISER, WET STANDPIPE



27 - GENERATOR



26 - FIRE ALARM PANEL



28 - EMERGENCY GENERATOR AUTOMATIC TRANSFER



29 - DISTRIBUTION PANEL



30 - VARIABLE FREQUENCY DRIVE, VFD





31 - FLOORING, VINYL TILE (VCT)



32 - FLOORING, CARPET



33 - CEILING FINISHES, ANY FLAT SURFACE



35 - INTERIOR DOORS



34 - SUSPENDED CEILINGS, ACOUSTICAL TILE (AC)

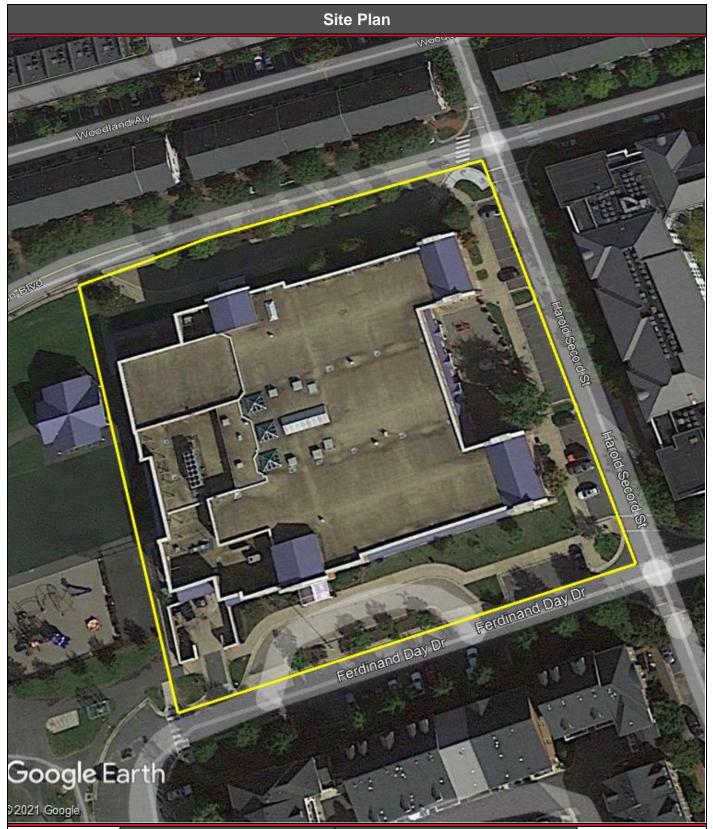


36 - WALL FINISHES, ANY SURFACE











Project Number	Project Name	
148303.21R000-012.354	Samuel W. Tucker Elementary	
Source	On-Site Date	
Google	October 11, 2021	

Appendix C: Pre-Survey Questionnaire



#### BUREAU VERITAS FACILITY CONDITION ASSESSMENT: PRE-SURVEY QUESTIONNAIRE

Samuel W. Tucker Elementary
John Finnigan
Director of Educational Facilities
6 years
11/01/21
703.517.1807
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		RE	ESPONSE
1	Year/s constructed / renovated	2000		
2	Building size in SF	80,180		
			Year	Additional Detail
		Façade	2019, 2021	
		Roof		
3	Major Renovation/Rehabilitation	Interiors		
		HVAC	2021	Chiller scheduled to be replaced
		HVAC       2021       Chiller scheduled to be replaced         Electrical		
		Accessibility		
	QUESTION		RE	ESPONSE
4	List other significant capital improvements (focus on recent years; provide approximate date).	Hardscape resurfac	ing scheduled in	2021.
5	List any major capital expenditures planned/requested for the next few years. Have they been budgeted?	HVAC system renov	vation is being a	nalyzed and designed.
6	Describe any on-going extremely problematic, historically chronic, or immediate facility needs.			

N						ovide additional details in the Comments column, or Not Applicable", <b>Unk</b> indicates <i>"Unknown"</i> )
	QUESTION		RESP	ONSE		COMMENTS
		Yes	No	Unk	NA	
7	Are there any problems with foundations or structures, like excessive settlement?	х				Drive loop pavers have sunk, the area needs to be investigated to determine if there is a settlement / compaction problem.
8	Are there any wall, window, basement or roof leaks?		х			
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			
10	Are your elevators unreliable, with frequent service calls?		х			
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?		х			
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 | Samuel W. Tucker Elementary School Campus

UF L3 Code	Location	Condition	Asset/Component/Repair	Quantity	RUL	ID
Facade						
B2020	Building exterior	Fair	Window, Aluminum Double-Glazed, 28-40 SF	50	9	3390978
B2020	Building exterior	Fair	Storefront, Glazing & Framing	600 SF	9	3390993
B2050	Building exterior	Fair	Exterior Door, Aluminum-Framed & Glazed, Standard Swing	10	9	3391050
B2050	Building exterior	Fair	Exterior Door, Steel, Standard	8	19	3390982
Roofing						
B3010	Roof	Fair	Roofing, Built-Up	60,000 SF	5	3391066
B3010	Roof	Fair	Roofing, Metal	12,000 SF	15	3390990
B3020	Roof	Fair	Roof Appurtenances, Gutters & Downspouts, Aluminum w/ Fittings	1,200 LF	4	3391053
B3060	Roof	Fair	Roof Skylight, per unit, up to 20 SF	10	9	3390992
Interiors						
C1030	Throughout building	Fair	Interior Door, Wood, Solid-Core	70	19	3390984
C1030	Throughout building	Fair	Interior Door, Steel, Fire-Rated at 90 Minutes or Over	12	19	3391046
C1070	Throughout building	Fair	Suspended Ceilings, Acoustical Tile (ACT)	50,000 SF	12	3391033
C1090	Restrooms	Good	Toilet Partitions, Plastic/Laminate	15	14	3391054
C2010	Restrooms	Good	Wall Finishes, Ceramic Tile	1,500 SF	29	3390991
C2010	Throughout building	Fair	Wall Finishes, any surface, Prep & Paint	65,000 SF	4	3391043
C2030	Kitchen	Good	Flooring, Quarry Tile	800 SF	29	3391021
C2030	Throughout building	Fair	Flooring, Vinyl Tile (VCT)	45,000 SF	4	3391067
C2030	Throughout building	Fair	Flooring, Ceramic Tile	2,500 SF	19	3390999
C2030	Throughout building	Fair	Flooring, Carpet, Commercial Standard	15,000 SF	3	3391010
C2030	Gymnasium	Fair	Flooring, Maple Sports Floor	5,500 SF	9	3391081
C2050	Throughout building	Fair	Ceiling Finishes, any flat surface, Prep & Paint	15,000 SF	4	3391003
Conveying						
D1010	Elevator	Fair	Elevator Cab Finishes, Standard	1	4	3391085
D1010	Mechanical room	Fair	Passenger Elevator, Hydraulic, 2 Floors, Renovate	1	9	3390985
Plumbing						
D2010	Throughout building	Fair	Plumbing System, Supply & Sanitary, Medium Density (includes fixtures)	80,180 SF	15	3391001
D2010	Restrooms	Fair	Toilet, Commercial Water Closet	20	9	3391071
D2010	Classroom	Fair	Sink/Lavatory, Vanity Top, Stainless Steel	12	9	3391009
D2010	Restrooms	Fair	Urinal, Standard	8	9	3391042
D2010	Restrooms	Good	Sink/Lavatory, Trough Style, Solid Surface	4	20	3391058
D2010	Utility closet	Fair	Sink/Lavatory, Service Sink, Floor	6	10	3391019
D2010	Mechanical room	Good	Water Heater, Gas, Commercial (200 MBH), 100 to 199 GAL	1	16	3391059
HVAC						
03020	Mechanical room	Fair	Boiler, Gas, HVAC	1	9	3391026

-	dition Report   Samuel W. Tu	-	•			
UF L3 Code	Location	Condition	Asset/Component/Repair	Quantity	RUL	ID
D3020	Mechanical room	Fair	Boiler, Gas, HVAC	1	9	3391030
D3030	Roof	Fair	Split System Ductless, Single Zone	1	2	3391038
D3030	Roof	Fair	Chiller, Air-Cooled	1	24	3391016
D3050	Mechanical room	Fair	Pump, Distribution, HVAC Heating Water	1	4	3391032
D3050	Roof	Fair	Make-Up Air Unit, MUA or MAU, 2000 to 6000 CFM	1	9	3391008
D3050	Mechanical room	Fair	Air Handler, Interior AHU, Easy/Moderate Access, 1201 to 2400 CFM	1	8	3391034
D3050	Mechanical room	Fair	Air Handler, Interior AHU, Easy/Moderate Access	1	4	3391028
D3050	Roof	Good	Packaged Unit, RTU, Pad or Roof-Mounted, 2 TON	1	17	3391015
D3050	Mechanical room	Good	Pump, Distribution, HVAC Chilled or Condenser Water, 8 to 10 HP	1	22	3390996
D3050	Mechanical room	Good	Pump, Distribution, HVAC Chilled or Condenser Water, 8 to 10 HP	1	22	3391006
D3050	Mechanical room	Fair	Air Handler, Interior AHU, Easy/Moderate Access [AHU-4]	1	8	3390986
D3050	Roof	Good	Packaged Unit, RTU, Pad or Roof-Mounted	1	17	3391005
D3050	Throughout building	Fair	Fan Coil Unit, Hydronic Terminal	6	2	3391040
D3050	Mechanical room	Fair	Air Handler, Interior AHU, Easy/Moderate Access	1	4	3391075
D3050	Mechanical room	Fair	Pump, Distribution, HVAC Heating Water	1	4	3390980
D3050	Roof	Good	Packaged Unit, RTU, Pad or Roof-Mounted, 4 TON	1	17	3391035
D3060	Roof	Fair	Exhaust Fan, Roof or Wall-Mounted, 10" Damper [EF-5]	1	2	3391037
D3060	Mechanical room	Fair	Supply Fan, Centrifugal, 16" Damper	1	4	3390987
D3060	Roof	Fair	Exhaust Fan, Roof or Wall-Mounted, 10" Damper [EF-3]	1	2	3390981
D3060	Roof	Fair	Exhaust Fan, Roof or Wall-Mounted, 10" Damper	1	2	3391072
D3060	Roof	Fair	Exhaust Fan, Roof or Wall-Mounted, 10" Damper	1	2	3391076
D3060	Roof	Fair	Exhaust Fan, Roof or Wall-Mounted, 10" Damper [EF-7]	1	2	3391074
D3060	Mechanical room	Fair	Supply Fan, Centrifugal, 16" Damper	1	4	3391017
D3060	Mechanical room	Fair	Supply Fan, Centrifugal, 12" Damper	1	4	3390998
D3060	Roof	Fair	Exhaust Fan, Roof or Wall-Mounted, 10" Damper	1	2	3391044
D3060	Roof	Fair	Exhaust Fan, Roof or Wall-Mounted, 24" Damper	1	2	3391045
Fire Protection						
D4010	Throughout building	Fair	Fire Suppression System, Existing Sprinkler Heads, by SF	80,180 SF	6	3391051
D4010	Mechanical room	Fair	Supplemental Components, Fire Riser, Wet	1	19	3391082
D4010	Mechanical room	Good	Backflow Preventer, Fire Suppression	1	9	3391014
D4010	Mechanical room	Fair	Supplemental Components, Fire Riser, Wet	1	15	3391023
D4030	Throughout building	Good	Fire Extinguisher, Type ABC, up to 20 LB	24	7	3391090
Electrical					-	
D5010	Electrical room	Fair	Automatic Transfer Switch, ATS	1	4	3391048
D5010	Building exterior	Fair	Generator, Diesel	1	4	3391073
D5020	Kitchen	Fair	Distribution Panel, 120/208 V	1	9	3390997
D5020	Electrical room	Fair	Secondary Transformer, Dry, Stepdown		9	3390997

### Component Condition Report | Samuel W. Tucker Elementary School Campus

UF L3 Code	Location	Condition	Asset/Component/Repair	Quantity	RUL	ID
D5020	Electrical room	Fair	Switchboard, 277/480 V	1	12	3391000
D5020	Mechanical room	Fair	Distribution Panel, 120/208 V	1	9	3391069
D5020	Kitchen	Fair	Distribution Panel, 120/208 V	1	9	3391065
D5020	Throughout building	Fair	Electrical System, Full System Renovation/Upgrade, Medium Density/Complexity	80,180 SF	15	3391031
D5020	Mechanical room	Fair	Distribution Panel, 120/208 V	1	9	3391061
D5030	Mechanical room	Fair	Variable Frequency Drive, VFD, by HP of Motor, Replace/Install	1	2	3391025
D5030	Mechanical room	Good	Variable Frequency Drive, VFD, by HP of Motor, Replace/Install	1	17	3391004
D5030	Mechanical room	Fair	Variable Frequency Drive, VFD, by HP of Motor, Replace/Install	1	2	3391013
D5030	Mechanical room	Good	Variable Frequency Drive, VFD, by HP of Motor, Replace/Install	1	17	3391047
D5040	Throughout building	Fair	Emergency & Exit Lighting, Exit Sign, LED	32	4	3391077
D5040	Throughout building	Fair	Interior Lighting System, Full Upgrade, Medium Density & Standard Fixtures	80,180 SF	9	3391070
D5040	Building exterior	Good	Standard Fixture w/ Lamp, any type, w/ LED Replacement	20	17	3391060
Fire Alarm & Elect	tronic Systems					
D7030	Throughout building	Good	Security/Surveillance System, Full System Upgrade, Average Density	80,180 SF	12	3391022
D7050	Throughout building	Fair	Fire Alarm System, Full System Upgrade, Standard Addressable, Upgrade/Install	80,180 SF	2	3391088
D7050	Main entrance	Fair	Fire Alarm Panel, Annunciator	1	2	3391084
D7050	Electrical room	Fair	Fire Alarm Panel, Fully Addressable	1	2	3390995
D8010	Throughout building	Fair	BAS/HVAC Controls, Extensive/Robust BMS or Smart Building System, Install	80,180 SF	3	3391020
Equipment & Furn	nishings					
E1030	Kitchen	Good	Foodservice Equipment, Food Warmer, Proofing Cabinet on Wheels	1	13	3391089
E1030	Kitchen	Good	Foodservice Equipment, Food Warmer, Proofing Cabinet on Wheels	1	13	3391064
E1030	Kitchen	Good	Foodservice Equipment, Exhaust Hood, 3 to 6 LF	1	13	3391039
E1030	Kitchen	Good	Foodservice Equipment, Steamer, Freestanding	1	9	3391086
E1030	Kitchen	Good	Foodservice Equipment, Refrigerator, Undercounter 2-Door	1	13	3391068
E1030	Kitchen	Good	Foodservice Equipment, Freezer, Chest	1	13	3391079
E1030	Roof	Good	Foodservice Equipment, Walk-In, Condenser for Refigerator/Freezer	1	12	3391056
E1030	Kitchen	Good	Foodservice Equipment, Food Warmer, Proofing Cabinet on Wheels	1	13	3391049
E1030	Roof	Good	Foodservice Equipment, Walk-In, Condenser for Refigerator/Freezer	1	12	3391055
E1030	Kitchen	Good	Foodservice Equipment, Food Warmer, Proofing Cabinet on Wheels	1	13	3391007
E1030	Kitchen	Good	Foodservice Equipment, Convection Oven, Double	1	6	3391027
E1030	Kitchen	Fair	Foodservice Equipment, Walk-In, Refrigerator	1	5	3391011
E1030	Kitchen	Fair	Foodservice Equipment, Walk-In, Freezer	1	5	3391080
E1030	Kitchen	Good	Foodservice Equipment, Refrigerator, Undercounter 2-Door	1	13	3391063
Pedestrian Plazas	& Walkways					
G2020	Site	Good	Parking Lots, Pavement, Concrete	1,800 SF	29	3390989
G2020	Site	Failed	Parking Lots, Pavement, Asphalt, Mill & Overlay	8,500 SF	0	3390983
G2020	Site	Failed	Parking Lots, Pavement, Asphalt, Seal & Stripe	8,500 SF	0	3391083

Component Con	dition Report   Samuel W	/. Tucker Elementary Sch	nool Campus			
UF L3 Code	Location	Condition	Asset/Component/Repair	Quantity	RUL	ID
G2030	Site	Good	Sidewalk, Brick/Masonry Pavers	3,000 SF	19	3391087
G2030	Site	Fair	Sidewalk, Concrete, Large Areas	1,000 SF	15	3391078
Athletic, Recreation	onal & Playfield Areas					
G2050	Site	Fair	Play Structure, Multipurpose, Small	1	9	3391024
G2050	Gymnasium	Fair	Sports Apparatus, Basketball, Backboard/Rim/Pole	6	4	3390988
G2050	Site	Fair	Play Structure, Multipurpose, Large	1	9	3391052
G2050	Site	Poor	Playfield Surfaces, Rubber, Small Areas	1,500 SF	0	3391041
G2050	Site	Fair	Play Structure, Multipurpose, Very Small	1	9	3391002
Sitework						
G2060	Site	Fair	Signage, Property, Pylon Standard, Replace/Install	1	4	3391012
G2060	Site	Fair	Trash Receptacle, Medium-Duty Metal or Precast	4	9	3390979
G2060	Site	Fair	Fences & Gates, Fence, Metal Tube 4'	200 LF	19	3391036
G2060	Site	Fair	Park Bench, Wood/Composite/Fiberglass	8	9	3391057
G2060	Site	Fair	Flagpole, Metal	1	9	3391029
G4050	Site	Fair	Pole Light Fixture w/ Lamps, any type 20' High, w/ LED Replacement, Replace/Install	10	4	3391062

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
Samuel W. Tucker Elementary School Campus	\$72,575	\$0	\$336,539	\$648,621	\$659,706	\$1,024,595	\$154,952	\$4,428	\$188,749	\$1,555,081	\$11,591	\$0	\$624,426	\$187,679	\$220,520	\$4,400,892	\$41,883	\$118,807	\$819,006	\$825,025	\$95,408	\$11,990,482
Samuel W. Tucker Elementary School Campus / Samuel W. Tucker Elementary School	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Grand Total	\$72,575	\$0	\$336,539	\$648,621	\$659,706	\$1,024,595	\$154,952	\$4,428	\$188,749	\$1,555,081	\$11,591	\$0	\$624,426	\$187,679	\$220,520	\$4,400,892	\$41,883	\$118,807	\$819,006	\$825,025	\$95,408	\$11,990,482

Samuel W. Tucker Elementary School Campus

32020	Building exterior 3390978 Window, Aluminum Double-Glazed, 28-40 SF, Replace	30	21	9	50	EA	\$1,250.0	\$62,500				\$62	500						\$62,50
2020	Building exterior 3390993 Storefront, Glazing & Framing, Replace	30	21	9	600	SF	\$55.0	0 \$33,000				\$33	000						\$33,00
2050	Building exterior 3391050 Exterior Door, Aluminum-Framed & Glazed, Standard Swing, Replace	30	21	9	10	EA	\$1,300.0	0 \$13,000				\$13	000						\$13,00
2050	Building exterior 3390982 Exterior Door, Steel, Standard, Replace	40	21	19	8	EA	\$600.0	0 \$4,800									\$	,800	\$4,80
3010	Roof 3390990 Roofing, Metal, Replace	40	25	15	1200	) SF	\$13.0	0 \$156,000							\$156,0	00			\$156,0
8010	Roof 3391066 Roofing, Built-Up, Replace	25	20	5	6000	) SF	\$14.0	0 \$840,000			\$840,000								\$840,0
8020	Roof 3391053 Roof Appurtenances, Gutters & Downspouts, Aluminum w/ Fittings, Replace	20	16	4	1200	LF	\$9.0	0 \$10,800		\$10,	800								\$10,8
3060	Roof 3390992 Roof Skylight, per unit, up to 20 SF, Replace	30	21	9	10	EA	\$1,300.0	0 \$13,000				\$13	000						\$13,0
1030	Throughout building 3390984 Interior Door, Wood, Solid-Core, Replace	40	21	19	70	EA	\$700.0	0 \$49,000									\$4	,000	\$49,0
1030	Throughout building 3391046 Interior Door, Steel, Fire-Rated at 90 Minutes or Over, Replace	40	21	19	12	EA	\$950.0	0 \$11,400									\$1	,400	\$11,4
:1070	Throughout building 3391033 Suspended Ceilings, Acoustical Tile (ACT), Replace	25	13	12	5000	) SF	\$3.5	0 \$175,000						\$175,000					\$175,0
1090	Restrooms 3391054 Toilet Partitions, Plastic/Laminate, Replace	20	6	14	15	EA	\$750.0	0 \$11,250							11,250				\$11,2
2010	Throughout building 3391043 Wall Finishes, any surface, Prep & Paint	10	6	4	6500		\$1.5			\$97,	500				97,500				\$195,0
2030	Throughout building 3390999 Flooring, Ceramic Tile, Replace	40	21	19				0 \$45,000									\$4	,000	\$45,0
2030	Throughout building 3391067 Flooring, Vinyl Tile (VCT), Replace	15	11	4	4500			0 \$225,000		\$225,	000						\$22		\$450,0
2030	Throughout building 3391010 Flooring, Carpet, Commercial Standard, Replace	10	7	3	1500			0 \$112,500		\$112,500				\$112,500				· · · ·	\$225,0
2030	Gymnasium 3391081 Flooring, Maple Sports Floor, Replace	30	21	9	5500			0 \$66,000				\$66	000	¢112,000					\$66,0
2050	Throughout building 3391003 Ceiling Finishes, any flat surface, Prep & Paint	10	6	4	1500		\$2.0			\$30,	000			• • • • • • • • • • • • • • • • • • •	30,000				\$60,0
1010	Elevator 3391085 Elevator Cab Finishes, Standard, Replace	15	11	4	1300	EA	\$9,000.0			\$9,				Ψ	50,000		c	,000	\$18,0
			21	9	1	EA				φσ,	100	\$55	000				φ	,000	\$18,0
1010		30		-			\$55,000.0					\$00	000			640.000			
2010	Mechanical room 3391059 Water Heater, Gas, Commercial (200 MBH), 100 to 199 GAL, Replace	20	4	16	1	EA		0 \$16,600							A4 000 7	\$16,600			\$16,6
2010	Throughout building 3391001 Plumbing System, Supply & Sanitary, Medium Density (includes fixtures), Re		25	15				0 \$1,202,700							\$1,202,7	00			\$1,202,7
2010	Restrooms 3391071 Toilet, Commercial Water Closet, Replace	30	21	9	20		\$1,300.0					\$26							\$26,0
2010	Classroom 3391009 Sink/Lavatory, Vanity Top, Stainless Steel, Replace	30	21	9	12		\$1,200.0					\$14							\$14,4
2010	Restrooms 3391042 Urinal, Standard, Replace	30	21	9	8	EA	\$1,100.0					\$8	800						\$8,8
2010	Utility closet 3391019 Sink/Lavatory, Service Sink, Floor, Replace	35	25	10	6	EA	\$800.0						\$4,800						\$4,8
2010	Restrooms 3391058 Sink/Lavatory, Trough Style, Solid Surface, Replace	30	10	20	4	EA	\$2,500.0	0 \$10,000										\$10,000	\$10,0
3020	Mechanical room 3391026 Boiler, Gas, HVAC, Replace	30	21	9	1	EA	\$50,800.0	0 \$50,800				\$50	800						\$50,8
3020	Mechanical room 3391030 Boiler, Gas, HVAC, Replace	30	21	9	1	EA	\$50,800.0	0 \$50,800				\$50	800						\$50,8
3030	Roof 3391038 Split System Ductless, Single Zone, Replace	15	13	2	1	EA	\$4,800.0	0 \$4,800	\$4,800								\$4,800		\$9,6
3050	Throughout building 3391040 Fan Coil Unit, Hydronic Terminal, Replace	20	18	2	6	EA	\$3,600.0	0 \$21,600	\$21,600										\$21,6
3050	Mechanical room 3391032 Pump, Distribution, HVAC Heating Water, Replace	25	21	4	1	EA	\$6,800.0	0 \$6,800		\$6,	800								\$6,8
3050	Mechanical room 3390980 Pump, Distribution, HVAC Heating Water, Replace	25	21	4	1	EA	\$6,800.0	0 \$6,800		\$6,	800								\$6,8
3050	Mechanical room 3391028 Air Handler, Interior AHU, Easy/Moderate Access, Replace	25	21	4	1	EA	\$15,000.0	0 \$15,000		\$15,	000								\$15,0
3050	Mechanical room 3391075 Air Handler, Interior AHU, Easy/Moderate Access, Replace	25	21	4	1	EA	\$15,000.0	0 \$15,000		\$15,	000								\$15,0
3050	Mechanical room 3391034 Air Handler, Interior AHU, Easy/Moderate Access, 1201 to 2400 CFM, Repla	ice 25	17	8	1	EA	\$15,000.0	0 \$15,000				\$15,000							\$15,0
3050	Mechanical room 3390986 Air Handler, Interior AHU, Easy/Moderate Access, Replace	30	22	8	1	EA	\$134,000.0	0 \$134,000				\$134,000							\$134,0
3050	Roof 3391008 Make-Up Air Unit, MUA or MAU, 2000 to 6000 CFM, Replace	20	11	9	1	EA	\$35,000.0	0 \$35,000				\$35	000						\$35,0
3050	Roof 3391015 Packaged Unit, RTU, Pad or Roof-Mounted, 2 TON, Replace	20	3	17	1	EA	\$5,500.0	0 \$5,500									\$5,500		\$5,5
3050	Roof 3391005 Packaged Unit, RTU, Pad or Roof-Mounted, Replace	20	3	17	1	EA	\$11,000.0	0 \$11,000									\$11,000		\$11,0
3050	Roof 3391035 Packaged Unit, RTU, Pad or Roof-Mounted, 4 TON, Replace	20	3	17	1	EA	\$9,000.0	0 \$9,000									\$9,000		\$9,0
3060	Roof 3391037 Exhaust Fan, Roof or Wall-Mounted, 10" Damper, Replace	20	18	2			\$1,200.0	0 \$1,200	\$1,200										\$1,2
3060	Roof 3390981 Exhaust Fan, Roof or Wall-Mounted, 10" Damper, Replace	20	18	2	1	EA	\$1,200.0		\$1,200										\$1,2
3060	Roof 3391072 Exhaust Fan, Roof or Wall-Mounted, 10" Damper, Replace	20	18	2	1	EA	\$1,200.0		\$1,200										\$1,2
3060	Roof 3391076 Exhaust Fan, Roof or Wall-Mounted, 10" Damper, Replace	20	18	2	1	EA	\$1,200.0		\$1,200										\$1,2
3060	Roof 3391074 Exhaust Fan, Roof or Wall-Mounted, 10" Damper, Replace	20	18	2	1	EA	\$1,200.0		\$1,200										\$1,2
3060	Roof 3391044 Exhaust Fan, Roof or Wall-Mounted, 10" Damper, Replace	20	18	2	1	EA	\$1,200.0		\$1,200										\$1,2
3060	Roof         3391045         Exhaust Fan, Roof or Wall-Mounted, 10         Damper, Replace	20	18	2	1	EA	\$3,000.0		\$3,000										\$1,2
					_				\$5,000	\$2,	100								\$3,0
3060	Mechanical room         3390987         Supply Fan, Centrifugal, 16" Damper, Replace           Mechanical room         3391017         Supply Fan, Centrifugal, 16" Damper, Replace	25	21	4	_		\$2,400.0 \$2,400.0				100								\$2,4

060	Mechanical room	3390998 Supply Fan, Centrifugal, 12" Damper, Replace	25	21	4	1	EA	\$1,400.	00 \$1,400		202	<b>4 2025 2026 2027</b> \$1,400									2040		iency Repair E
010		3391051 Fire Suppression System, Existing Sprinkler Heads, by SF, Replace	25	19	6	80180			50 \$120,270		_	\$120,270											\$
		3391014 Backflow Preventer, Fire Suppression, Replace	30	21	9	1	EA	\$10,500.				<i><i><i>Q</i> (20,270)</i></i>	\$10	500									·
						1	_						\$10	500				<b>.</b>					
	Mechanical room	3391023 Supplemental Components, Fire Riser, Wet, Replace	40	25	15	1	EA	\$10,000.										\$10,000	)				
10	Mechanical room	3391082 Supplemental Components, Fire Riser, Wet, Replace	40	21	19	1	EA	\$10,000.	00 \$10,000												\$10,000		
30	Throughout building	3391090 Fire Extinguisher, Type ABC, up to 20 LB, Replace	10	3	7	24	EA	\$150.	\$3,600			\$	3,600							\$3,600			
10	Building exterior	3391073 Generator, Diesel, Replace	25	21	4	1	EA	\$40,000.	00 \$40,000			\$40,000											
10	Electrical room	3391048 Automatic Transfer Switch, ATS, Replace	25	21	4	1	EA	\$8,500.	00 \$8,500			\$8,500											
20	Electrical room	3390994 Secondary Transformer, Dry, Stepdown, Replace	30	21	9	1	EA	\$16,000.	00 \$16,000				\$16	000									
20	Electrical room	3391000 Switchboard, 277/480 V, Replace	40	28	12	1	EA	\$90,000.	00 \$90,000						\$90,000	)							
	Kitchen	3390997 Distribution Panel, 120/208 V, Replace	30	21	9	1	EA	\$6,000.					\$6	000									
	Mechanical room	3391069 Distribution Panel, 120/208 V, Replace		21	9	-	EA	\$6,000.						000									
		· · · · · · · · · · · · · · · · · · ·	30																				
	Kitchen	3391065 Distribution Panel, 120/208 V, Replace	30	21	9	1	EA	\$6,000.						000									
20	Mechanical room	3391061 Distribution Panel, 120/208 V, Replace	30	21	9	1	EA	\$6,000.	00 \$6,000				\$6	000									
)20	Throughout building	3391031 Electrical System, Full System Renovation/Upgrade, Medium Density/Complexity, Replace	40	25	15	80180	SF	\$18.	00 \$1,443,240									\$1,443,240	)				\$1
30	Mechanical room	3391025 Variable Frequency Drive, VFD, by HP of Motor, Replace/Install	20	18	2	1	EA	\$14,700.	00 \$14,700	\$14,70	0												
30	Mechanical room	3391013 Variable Frequency Drive, VFD, by HP of Motor, Replace/Install	20	18	2	1	EA	\$8,800.	00 \$8,800	\$8,80	0												
30	Mechanical room	3391004 Variable Frequency Drive, VFD, by HP of Motor, Replace/Install	20	3	17	1	EA	\$8,800.	00 \$8,800											\$8,800			
0		3391047 Variable Frequency Drive, VFD, by HP of Motor, Replace/Install	20	3	17	1	EA	\$8,800.	00 \$8,800											\$8,800			
		3391077 Emergency & Exit Lighting, Exit Sign, LED, Replace	10	6	4	32	EA	\$220.			_	\$7,040					\$7,040	)					
40		3391077 Energency & Exclusing, Exclusing, ELD, Neplace	20	11	9	80180			0 \$641,440				\$641	440			φ, ,0+0						
						_							<del>۵</del> 041							¢3.000			
		3391060 Standard Fixture w/ Lamp, any type, w/ LED Replacement, Replace	20	3	17	20	EA	\$190.												\$3,800			
		3391022 Security/Surveillance System, Full System Upgrade, Average Density, Replace	15	3	12	80180		_	00 \$160,360						\$160,360	נ							
50	Throughout building	3391088 Fire Alarm System, Full System Upgrade, Standard Addressable, Upgrade/Install	20	18	2	80180	SF	\$3.	00 \$240,540	\$240,54	0												
50	Main entrance	3391084 Fire Alarm Panel, Annunciator, Replace	15	13	2	1	EA	\$1,580.	00 \$1,580	\$1,58	0									\$1,580			
50	Electrical room	3390995 Fire Alarm Panel, Fully Addressable, Replace	15	13	2	1	EA	\$15,000.	00 \$15,000	\$15,00	0									\$15,000			
10	Throughout building	3391020 BAS/HVAC Controls, Extensive/Robust BMS or Smart Building System, Install	15	12	3	80180	SF	\$6.	00 \$481,080		\$481,08	)								\$481,080			
30	Kitchen	3391011 Foodservice Equipment, Walk-In, Refrigerator, Replace	20	15	5	1	EA	\$15,000.	00 \$15,000			\$15,000											
	Kitchen	3391080 Foodservice Equipment, Walk-In, Freezer, Replace	20	15	5	1	EA	\$25,000.				\$25,000											
				_	-	-													¢0.500				
	Kitchen	3391027 Foodservice Equipment, Convection Oven, Double, Replace	10	4	6	1	EA	\$9,500.				\$9,500							\$9,500				
	Kitchen	3391086 Foodservice Equipment, Steamer, Freestanding, Replace	10	1	9	1	EA	\$10,500.	00 \$10,500				\$10	.500							\$10,500		
30	Roof	3391056 Foodservice Equipment, Walk-In, Condenser for Refigerator/Freezer, Replace	15	3	12	1	EA	\$6,300.	00 \$6,300						\$6,300	)							
30	Roof	3391055 Foodservice Equipment, Walk-In, Condenser for Refigerator/Freezer, Replace	15	3	12	1	EA	\$6,300.	\$6,300						\$6,300	0							
30	Kitchen	3391089 Foodservice Equipment, Food Warmer, Proofing Cabinet on Wheels, Replace	15	2	13	1	EA	\$1,700.	00 \$1,700							\$1,700	)						
30	Kitchen	3391064 Foodservice Equipment, Food Warmer, Proofing Cabinet on Wheels, Replace	15	2	13	1	EA	\$1,700.	00 \$1,700							\$1,700	)						
30	Kitchen	3391039 Foodservice Equipment, Exhaust Hood, 3 to 6 LF, Replace	15	2	13	1	EA	\$3,300.	00 \$3,300							\$3,300	)						
30	Kitchen	3391068 Foodservice Equipment, Refrigerator, Undercounter 2-Door, Replace	15	2	13	1	EA	\$1,700.	00 \$1,700							\$1,700	)						
	Kitchen		15	2	13	1	EA	\$1,800.								\$1,800	-						
		3391079 Foodservice Equipment, Freezer, Chest, Replace					_																
	Kitchen	3391049 Foodservice Equipment, Food Warmer, Proofing Cabinet on Wheels, Replace	15	2	13	1	EA	\$1,700.								\$1,700							
30	Kitchen	3391007 Foodservice Equipment, Food Warmer, Proofing Cabinet on Wheels, Replace	15	2	13	1	EA	\$1,700.								\$1,700	-						
30	Kitchen	3391063 Foodservice Equipment, Refrigerator, Undercounter 2-Door, Replace	15	2	13	1	EA	\$1,700.	00 \$1,700							\$1,700	)						
20	Site	3390983 Parking Lots, Pavement, Asphalt, Mill & Overlay	25	25	0	8500	SF	\$3.	\$29,750 \$29,750														
20	Site	3391083 Parking Lots, Pavement, Asphalt, Seal & Stripe	5	5	0	8500	SF	\$0.	45 \$3,825 \$3,825			\$3,825		\$3	,825			\$3,825	5			\$3,825	
0	Site	3391078 Sidewalk, Concrete, Large Areas, Replace	50	35	15	1000	SF	\$9.	00 \$9,000									\$9,000	)				
	Site	3391087 Sidewalk, Brick/Masonry Pavers, Replace	30	11	19	3000	_	_	00 \$99,000		_										\$99,000		
	Gymnasium	3390988 Sports Apparatus, Basketball, Backboard/Rim/Pole, Replace	25	21	4	6	EA		00 \$57,000			\$57,000									,		
				-		-						491,000										\$20,000	
	Site	3391041 Playfield Surfaces, Rubber, Small Areas, Replace	20	21	0	1500	_	\$26.														\$39,000	
	Site	3391024 Play Structure, Multipurpose, Small, Replace	20	11	9	1	EA	\$10,000.					\$10										
	Site	3391052 Play Structure, Multipurpose, Large, Replace	20	11	9	1	EA	\$35,000.	00 \$35,000				\$35	000									
	Site	3391002 Play Structure, Multipurpose, Very Small, Replace	20	11	9	1	EA	\$6,000.	00 \$6,000				\$6	000									
	Site	3390979 Trash Receptacle, Medium-Duty Metal or Precast, Replace	20	11	9	4	EA	\$700.	\$2,800				\$2	800									
)	Site	3391057 Park Bench, Wood/Composite/Fiberglass, Replace	20	11	9	8	EA	\$600.	00 \$4,800				\$4	800									
)	Site	3391036 Fences & Gates, Fence, Metal Tube 4', Replace	40	21	19	200	LF	\$34.	00 \$6,800												\$6,800		
	Site	3391012 Signage, Property, Pylon Standard, Replace/Install	20	16	4	1	EA	\$9,500.				\$9,500											
	Site			21	9	4						+0,000		500									
60	Site	3391029 Flagpole, Metal, Replace	30		-		EA	\$2,500.				<b>.</b>	\$2	500									
50		3391062 Pole Light Fixture w/ Lamps, any type 20' High, w/ LED Replacement, Replace/Install	20	16	4	10	EA	\$4,200.	00 \$42,000			\$42,000											

Appendix F: Equipment Inventory List



D10 Convey	vina												
Index	ID	UFCode	Component Description	Attributes	Capacity	Building	Location Detail	Manufacturer	Model	Serial	Dataplate Yr	Barcode	Qty
1	3390985	D1010	Passenger Elevator	Hydraulic, 2 Floors	2500 LB	Samuel W. Tucker Elementary School Campus	Mechanical room	Dover	EP08020	EL1510	2000	19003479	
020 Plumbii	ng												
Index	ID	UFCode	Component Description	Attributes	Capacity	Building	Location Detail	Manufacturer	Model	Serial	Dataplate Yr	Barcode	Qty
1	3391059	D2010	Water Heater	Gas, Commercial (200 MBH), 100 to 199 GAL	120 GAL	Samuel W. Tucker Elementary School Campus	Mechanical room	State	SUF-119-300-NEA300	1749108471533	2017	19003448	
D30 HVAC													
Index	ID	UFCode	Component Description	Attributes	Capacity	Building	Location Detail	Manufacturer	Model	Serial	Dataplate Yr	Barcode	Qty
1	3391026	D3020	Boiler	Gas, HVAC	2000 MBH	Samuel W. Tucker Elementary School Campus	Mechanical room	Fulton	Illegible	Illegible	2000	19003453	
2	3391030	D3020	Boiler	Gas, HVAC	2000 MBH	Samuel W. Tucker Elementary School Campus	Mechanical room	Fulton	Illegible	Illegible	2000	19003454	
3	3391016	D3030	Chiller	Air-Cooled	250 TON	Samuel W. Tucker Elementary School Campus	Roof	Carrier	30RBB25064-L47-3	2611Q76060	2021	19003489	
4	3391038	D3030	Split System Ductless	Single Zone	2 TON	Samuel W. Tucker Elementary School Campus	Roof	Sanyo	C2472	0173284	2008	19003497	
5	3391040	D3050	Fan Coil Unit	Hydronic Terminal	1200 CFM	Samuel W. Tucker Elementary School Campus	Throughout building	Inaccessible	Inaccessible	Inaccessible	2000		
6	3390996	D3050	Pump	Distribution, HVAC Chilled or Condenser Water, 8 to 10 HP	10 HP	Samuel W. Tucker Elementary School Campus	Mechanical room	Armstrong	No tag/plate found	No tag/plate found	2018	19003456	
7	3391006	D3050	Pump	Distribution, HVAC Chilled or Condenser Water, 8 to 10 HP	10 HP	Samuel W. Tucker Elementary School Campus	Mechanical room	Armstrong	No tag/plate found	No tag/plate found	2018	19003450	
8	3391032	D3050	Pump	Distribution, HVAC Heating Water	10 HP	Samuel W. Tucker Elementary School Campus	Mechanical room	Тасо	E30120L2GC1LF2L0A	No tag/plate found	2000	19003457	
9	3390980	D3050	Pump	Distribution, HVAC Heating Water	10 HP	Samuel W. Tucker Elementary School Campus	Mechanical room	No tag/plate found	No tag/plate found	No tag/plate found	2000	19003455	
10	3391028	D3050	Air Handler	Interior AHU, Easy/Moderate Access	2000 CFM	Samuel W. Tucker Elementary School Campus	Mechanical room	McQuay	CAH006FDAG	Illegible	2000	19003482	
11	3391075	D3050	Air Handler	Interior AHU, Easy/Moderate Access	2000 CFM	Samuel W. Tucker Elementary School Campus	Mechanical room	McQuay	Illegible	Illegible	2000	19003484	
12	3391034	D3050	Air Handler	Interior AHU, Easy/Moderate Access, 1201 to 2400 CFM	2000 CFM	Samuel W. Tucker Elementary School Campus	Mechanical room	McQuay	CAH10FDAC	SCOU000201631	2000	19003480	
13	3390986	D3050	Air Handler [AHU-4]	Interior AHU, Easy/Moderate Access	40000 CFM	Samuel W. Tucker Elementary School Campus	Mechanical room	Temptrol	WF-DHR41	76737	2000	19003477	
14	3391008	D3050	Make-Up Air Unit	MUA or MAU, 2000 to 6000 CFM		Samuel W. Tucker Elementary School Campus	Roof	Masterbuilt	AFSI106G2	ZXC790019	2010	19003493	
15	3391005	D3050	Packaged Unit	RTU, Pad or Roof-Mounted	5 TON	Samuel W. Tucker Elementary School Campus	Roof	Trane	YHC067E4RHA0NF0E100000	182514591L	2018	19003494	
16	3391015	D3050	Packaged Unit	RTU, Pad or Roof-Mounted, 2 TON	2 TON	Samuel W. Tucker Elementary School Campus	Roof	Trane	4YCC4024A1060AB	181011254L	2018	19003474	
17	3391035	D3050	Packaged Unit	RTU, Pad or Roof-Mounted, 4 TON	4 TON	Samuel W. Tucker Elementary School Campus	Roof	Trane	YHC047E4RHA0NF6E1000	182514713L	2018	19003475	
						•							

18	3391072	D3060	Exhaust Fan	Roof or Wall-Mounted, 10" Damper	500 CFM	Samuel W. Tucker Elementary School Campus	Roof	CentriMaster	PV135E5	YXC790008	2000	19003495	
19	3391076	D3060	Exhaust Fan	Roof or Wall-Mounted, 10" Damper	500 CFM	Samuel W. Tucker Elementary School Campus	Roof	CentriMaster	PV165	YXC790004	2000	19003499	
20	3391044	D3060	Exhaust Fan	Roof or Wall-Mounted, 10" Damper	500 CFM	Samuel W. Tucker Elementary School Campus	Roof	CentriMaster	V100DE	YXC790001	2000	19003496	
21	3391045	D3060	Exhaust Fan	Roof or Wall-Mounted, 24" Damper	5000 CFM	Samuel W. Tucker Elementary School Campus	Roof	CentriMaster	lllegible	Illegible	2000	19003491	
22	3390981	D3060	Exhaust Fan [EF-3]	Roof or Wall-Mounted, 10" Damper	500 CFM	Samuel W. Tucker Elementary School Campus	Roof	CentriMaster	PV165	YXC790004	2000	19003498	
23	3391037	D3060	Exhaust Fan [EF-5]	Roof or Wall-Mounted, 10" Damper	500 CFM	Samuel W. Tucker Elementary School Campus	Roof	CentriMaster	YXC790001		2000	19003500	
24	3391074	D3060	Exhaust Fan [EF-7]	Roof or Wall-Mounted, 10" Damper	500 CFM	Samuel W. Tucker Elementary School Campus	Roof	CentriMaster	PV100DE2	YXC790007	2000	19003488	
25	3390998	D3060	Supply Fan	Centrifugal, 12" Damper	1000 CFM	Samuel W. Tucker Elementary School Campus	Mechanical room	CentriMaster	QBR161	YXC790017	2000	19003486	
26	3390987	D3060	Supply Fan	Centrifugal, 16" Damper	2000 CFM	Samuel W. Tucker Elementary School Campus	Mechanical room	CentriMaster	QBR300	YXC790016	2000	19003487	
27	3391017	D3060	Supply Fan	Centrifugal, 16" Damper	2000 CFM	Samuel W. Tucker Elementary School Campus	Mechanical room	CentriMaster	QBR245	YXC790018	2000	19003481	
D40 Fire Protec	tion					Campus							
Index	ID	UFCode	Component Description	Attributes	Capacity	Building	Location Detail	Manufacturer	Model	Serial	Dataplate Yr	Barcode	Qty
1	0004044					Samuel W. Tucker							
I	3391014	D4010	Backflow Preventer	Fire Suppression	6 IN	Elementary School Campus	Mechanical room	Ames	2000SS	015224	2000	19003449	
2	3391014	D4010 D4030	Backflow Preventer	Fire Suppression Type ABC, up to 20 LB	6 IN	Campus Samuel W. Tucker Elementary School	Mechanical room	Ames No tag/plate found	2000SS No tag/plate found	015224 No tag/plate found	2000	19003449	24
2 D50 Electrical					6 IN	Campus Samuel W. Tucker						19003449	24
D50 Electrical		D4030	Fire Extinguisher	Type ABC, up to 20 LB		Campus Samuel W. Tucker Elementary School					2018	19003449 Barcode	
	3391090			Type ABC, up to 20 LB	6 IN Capacity 60 KW	Campus Samuel W. Tucker Elementary School Campus	Throughout building	No tag/plate found	No tag/plate found	No tag/plate found			24 Qty
D50 Electrical	3391090 ID	D4030 UFCode	Fire Extinguisher Component Description	Type ABC, up to 20 LB Attributes	Capacity	Campus Samuel W. Tucker Elementary School Campus Building Samuel W. Tucker Elementary School	Throughout building Location Detail	No tag/plate found Manufacturer	No tag/plate found Model	No tag/plate found Serial	2018 Dataplate Yr	Barcode	
<b>D50 Electrical</b> Index 1	3391090 ID 3391073	D4030 UFCode D5010	Fire Extinguisher Component Description Generator Automatic Transfer	Type ABC, up to 20 LB Attributes Diesel ATS	Capacity 60 KW	Campus Samuel W. Tucker Elementary School Campus Building Samuel W. Tucker Elementary School Campus Samuel W. Tucker Elementary School	Throughout building Location Detail Building exterior	No tag/plate found Manufacturer	No tag/plate found Model	No tag/plate found Serial	2018 Dataplate Yr 2000	Barcode 19003443	
D50 Electrical Index 1 2	3391090 ID 3391073 3391048	D4030 UFCode D5010 D5010	Fire Extinguisher Component Description Generator Automatic Transfer Switch	Type ABC, up to 20 LB Attributes Diesel ATS	Capacity 60 KW 2000 AMP	Campus Samuel W. Tucker Elementary School Campus Building Samuel W. Tucker Elementary School Campus Samuel W. Tucker Elementary School Campus Samuel W. Tucker Elementary School	Throughout building Location Detail Building exterior Electrical room	No tag/plate found Manufacturer Kohler	No tag/plate found Model 60R0ZJ	No tag/plate found Serial 0654253	2018 Dataplate Yr 2000 2000	Barcode 19003443 19003439	
D50 Electrical Index 1 2 3	3391090 ID 3391073 3391048 3390994	D4030 UFCode D5010 D5010 D5020	Fire Extinguisher Component Description Generator Automatic Transfer Switch Secondary Transformer	Type ABC, up to 20 LB Attributes Diesel ATS r Dry, Stepdown	Capacity 60 KW 2000 AMP 112 KVA	Campus Samuel W. Tucker Elementary School Campus Building Samuel W. Tucker Elementary School Campus Samuel W. Tucker Elementary School Campus Samuel W. Tucker Elementary School Campus Samuel W. Tucker Elementary School Campus Samuel W. Tucker Elementary School	Throughout building Location Detail Building exterior Electrical room Electrical room	No tag/plate found Manufacturer Kohler	No tag/plate found Model 60R0ZJ	No tag/plate found Serial 0654253	2018 Dataplate Yr 2000 2000 2000	Barcode 19003443 19003439 19003437	
D50 Electrical Index 1 2 3 4	3391090 ID 3391073 3391048 3390994 3391000	D4030 UFCode D5010 D5010 D5020 D5020	Fire Extinguisher Component Description Generator Automatic Transfer Switch Secondary Transformed Switchboard	Type ABC, up to 20 LB Attributes Diesel ATS Dry, Stepdown 277/480 V	Capacity 60 KW 2000 AMP 112 KVA 2000 AMP	Campus Samuel W. Tucker Elementary School Campus Building Samuel W. Tucker Elementary School Campus Samuel W. Tucker Elementary School Campus	Throughout building Location Detail Building exterior Electrical room Electrical room	No tag/plate found Manufacturer Kohler Siemens	No tag/plate found Model 60R0ZJ 3F3Y112	No tag/plate found Serial 0654253 No tag/plate found	2018 Dataplate Yr 2000 2000 2000 2000	Barcode 19003443 19003439 19003437 19003438	
D50 Electrical Index 1 2 3 4 5	3391090 ID 3391073 3391048 3390994 3391000 3390997	D4030 UFCode D5010 D5010 D5020 D5020 D5020	Fire Extinguisher         Component Description         Generator         Automatic Transfer         Switch         Secondary Transformed         Switchboard         Distribution Panel	Type ABC, up to 20 LB Attributes Diesel ATS Dry, Stepdown 277/480 V 120/208 V	Capacity 60 KW 2000 AMP 112 KVA 2000 AMP 400 AMP	Campus Samuel W. Tucker Elementary School Campus Building Samuel W. Tucker Elementary School Campus Samuel W. Tucker Elementary School Campus	Throughout building Location Detail Building exterior Electrical room Electrical room Kitchen	No tag/plate found Manufacturer Kohler Siemens Siemens	No tag/plate found Model 60R0ZJ 3F3Y112 S3C30ML400FBF	No tag/plate found Serial 0654253 No tag/plate found No tag/plate found	2018 Dataplate Yr 2000 2000 2000 2000 2000	Barcode 19003443 19003439 19003437 19003438 19003462	
D50 Electrical         Index         1         2         3         4         5         6	3391090 ID 3391073 3391048 3390994 3391000 3390997 3391069	D4030 UFCode D5010 D5010 D5020 D5020 D5020 D5020	Fire Extinguisher         Component Description         Generator         Automatic Transfer         Switch         Secondary Transformer         Switchboard         Distribution Panel         Distribution Panel	Type ABC, up to 20 LB   Attributes   Diesel   ATS   Dry, Stepdown   2777/480 V   120/208 V   120/208 V	Capacity 60 KW 2000 AMP 112 KVA 2000 AMP 400 AMP 400 AMP	Campus Samuel W. Tucker Elementary School Campus Building Samuel W. Tucker Elementary School Campus Samuel W. Tucker Elementary School Campus	Throughout building Location Detail Building exterior Electrical room Electrical room Kitchen Mechanical room	No tag/plate found Manufacturer Kohler Siemens Siemens Siemens	No tag/plate found Model 60R0ZJ 3F3Y112 S3C30ML400FBF SEE42ML400CBS	No tag/plate found Serial 0654253 No tag/plate found No tag/plate found No tag/plate found	2018 Dataplate Yr 2000 2000 2000 2000 2000 2000 2000	Barcode 19003443 19003439 19003437 19003438 19003462 19003483	
D50 Electrical         Index         1         2         3         4         5         6         7	3391090 ID 3391073 3391048 3390994 3390994 3391000 3390997 3391069 3391065	D4030 UFCode D5010 D5010 D5020 D5020 D5020 D5020 D5020	Fire Extinguisher         Component Description         Generator         Automatic Transfer         Switch         Secondary Transformer         Switchboard         Distribution Panel         Distribution Panel         Distribution Panel	Type ABC, up to 20 LB         Attributes         Diesel         ATS         Dry, Stepdown         2777/480 V         120/208 V         120/208 V	Capacity 60 KW 2000 AMP 112 KVA 2000 AMP 400 AMP 400 AMP	Campus Samuel W. Tucker Elementary School Campus Building Samuel W. Tucker Elementary School Campus Samuel W. Tucker Elementary School	Throughout building Location Detail Building exterior Electrical room Electrical room Kitchen Kitchen Kitchen	No tag/plate found Manufacturer Kohler Siemens Siemens Siemens Siemens	No tag/plate found Model 60R0ZJ 3F3Y112 S3C30ML400FBF SEE42ML400CBS S3C30JX300FTF	No tag/plate found Serial 0654253 No tag/plate found	2018 Dataplate Yr 2000 2000 2000 2000 2000 2000 2000 2000	Barcode 19003443 19003439 19003437 19003438 19003462 19003461	

10	3391004	D5030	Variable Frequency Drive	VFD, by HP of Motor	15 HP	Samuel W. Tucker Elementary School Campus	Mechanical room	Danfoss	177U95545	186902Y230	2018	19003452		
11	3391013	D5030	Variable Frequency Drive	VFD, by HP of Motor	15 HP	Samuel W. Tucker Elementary School Campus	Mechanical room	Danfoss	VLT6016	No tag/plate found	2000	19003476		
12	3391047	D5030	Variable Frequency Drive	VFD, by HP of Motor	15 HP	Samuel W. Tucker Elementary School Campus	Mechanical room	Danfoss	177U9545	186802Y230	2018	19003451		
13	3391077	D5040	Emergency & Exit Lighting	Exit Sign, LED		Samuel W. Tucker Elementary School Campus	Throughout building	Inaccessible	Inaccessible	Inaccessible	2010			32
14	3391060	D5040	Standard Fixture w/ Lamp	any type, w/ LED Replacemer	nt 100 W	Samuel W. Tucker Elementary School Campus	Building exterior	Inaccessible	Inaccessible	Inaccessible	2018			20
D70 Electron	nic Safety & Security													
Index	ID	UFCode	Component Description	Attributes	Capacity	Building	Location Detail	Manufacturer	Model	Serial	Dataplate Yr	Barcode	Qty	
1	3390995	D7050	Fire Alarm Panel	Fully Addressable		Samuel W. Tucker Elementary School Campus	Electrical room	Simplex	4020	No tag/plate found	2000	19003440		
E10 Equipme	ent													
Index	ID	UFCode	Component Description	Attributes	Capacity	Building	Location Detail	Manufacturer	Model	Serial	Dataplate Yr	Barcode	Qty	
1	3391027	E1030	Foodservice Equipmen	nt Convection Oven, Double		Samuel W. Tucker Elementary School Campus	Kitchen	Blodgett	V-100	102517CT048B	2017	19003473		
2	3391039	E1030	Foodservice Equipmen	nt Exhaust Hood, 3 to 6 LF		Samuel W. Tucker Elementary School Campus	Kitchen				2019	19003470		
3	3391089	E1030	Foodservice Equipmen	t Food Warmer, Proofing Cabin on Wheels	et	Samuel W. Tucker Elementary School Campus	Kitchen	CVap	4000 A	No tag/plate found	2019	19003472		
4	3391064	E1030	Foodservice Equipmen	t Food Warmer, Proofing Cabin on Wheels	et	Samuel W. Tucker Elementary School Campus	Kitchen	No tag/plate found	No tag/plate found	No tag/plate found	2019	19003469		
5	3391049	E1030	Foodservice Equipmen	t Food Warmer, Proofing Cabin on Wheels	et	Samuel W. Tucker Elementary School Campus	Kitchen	No tag/plate found	No tag/plate found	No tag/plate found	2019	19003465		
6	3391007	E1030	Foodservice Equipmen	t Food Warmer, Proofing Cabin on Wheels	et	Samuel W. Tucker Elementary School Campus	Kitchen	Winston Industries	4000A	No tag/plate found	2019	19003467		
7	3391079	E1030	Foodservice Equipmen	nt Freezer, Chest		Samuel W. Tucker Elementary School Campus	Kitchen				2019	19003460		
8	3391068	E1030	Foodservice Equipmen	Refrigerator, Undercounter 2- Door		Samuel W. Tucker Elementary School Campus	Kitchen	Inaccessible	Inaccessible	Inaccessible	2019	19003466		
9	3391063	E1030	Foodservice Equipmen	Refrigerator, Undercounter 2- Door		Samuel W. Tucker Elementary School Campus	Kitchen	Inaccessible	Inaccessible	Inaccessible	2019	19003463		
10	3391086	E1030	Foodservice Equipmen	nt Steamer, Freestanding		Samuel W. Tucker Elementary School Campus	Kitchen	Blodgett	BCX14E	040720JW056S	2020	19003471		
11	3391056	E1030	Foodservice Equipmen	Walk-In, Condenser for Refigerator/Freezer		Samuel W. Tucker Elementary School Campus	Roof	Trenton	TEZA008H8-HS2C-B	180176855T	2018	19003490		
12	3391055	E1030	Foodservice Equipmen	Walk-In, Condenser for Refigerator/Freezer		Samuel W. Tucker Elementary School Campus	Roof	Trenton	TEZA020L8-HT3C-F	1801179964T	2018	19003492		
13	3391080	E1030	Foodservice Equipmen	nt Walk-In, Freezer		Samuel W. Tucker Elementary School Campus	Kitchen	No tag/plate found	No tag/plate found	No tag/plate found	2000	19003468		
14	3391011	E1030	Foodservice Equipmen	nt Walk-In, Refrigerator		Samuel W. Tucker Elementary School Campus	Kitchen	Brown	Inaccessible	Inaccessible	2000	19003458		