FACILITY CONDITION ASSESSMENT



prepared for

Shelby County Board of Education 160 South Hollywood Street Memphis, Tennessee 38112-4892 Michelle Stuart



Whitehaven High School (w/CCTE) 4851 Elvis Presley Boulevard Memphis, Tennessee 38116

PREPARED BY:

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BV PROJECT #:

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DATE OF REPORT:

September 30, 2024

ON SITE DATE:

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1. Executive Summary

Campus Overview and Assessment Details

General Information	
Property Type	High school
Number of Buildings	3
Main Address	4851 Elvis Presley Boulevard, Memphis, Tennessee 38116
Site Developed	1931
Site Area	17.52 acres (estimated)
Parking Spaces	400 total spaces all in open lots; 6 of which are accessible
Outside Occupants / Leased Spaces	None
Date(s) of Visit	July 24, 2024
Management Point of Contact	Ms. Mary Taylor, Shelby County Board of Education (901) 416-5376 taylorm15@scsk12.org
On-site Point of Contact (POC)	Ms. Orr 901-584-5972
Assessment and Report Prepared By	Christopher Mosley and Edmundo Perales
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AssetCalc Link	Full dataset for this assessment can be found at: https://www.assetcalc.net/

Campus Findings and Deficiencies

Historical Summary

The facility was originally constructed in 1931. Throughout the years the facility has had additional phases and renovations since the time of construction or acquisition. The Annex building is the most recent addition which was added in 2019.

Architectural

The facilities have been well maintained due to good maintenance practices. The facilities appear structurally sound, with no structural-related deficiencies reported or observed. The exterior walls consist of brick with aluminum windows. The roof is a single-ply TPO membrane. There is ponding on the roof in isolated areas due to the drains being clogged with debris. Also, it was reported that the B section roofs leak periodically. Repairs are recommended. The interior finishes consist of VCT, quarry tile, and terrazzo floors. In the room next to A-208 sections of the wood floor are buckling due to potential moisture and water intrusion. The wall finishes are painted CMU with suspended Act tile ceilings. The interior finishes have generally been replaced as needed and are anticipated for lifecycle replacement based on useful life and normal wear.

Mechanical, Electrical, Plumbing and Fire (MEPF)

The MEPF systems and components appear to have been adequately maintained. The HVAC equipment vary in age and condition throughout the facilities, were generally replaced from 1997 to 2018. HVAC equipment and components consist of boilers, chillers, furnaces and split systems, air handlers, and packaged units for heating and cooling. The cooling tower was observed to have water pouring onto the roof deck during the time of the assessment. Repairs are highly recommended.

In general, the plumbing system is reportedly adequate to serve the facilities, with equipment and fixtures updated as needed. The waters heaters vary in age between 1997 and 2017. The water located in mechanical room D-1-1 is antiquated and an upgrade is recommended.

The electrical system and components were reported to provide generally adequate service, with no significant deficiencies reported or observed. The exterior generator is past its anticipated useful life and replacement is recommended.

A facility wide fire suppression and alarm system adequately serves the facility. Ongoing routine maintenance of the MEPF equipment is recommended.

Site

The parking lots and sidewalks have been periodically repaved and sectionally replaced as needed over the years. The main entrance gymnasium stairs are heavily deteriorated. Repairs are recommended. The playgrounds are generally in good condition.

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 cutoff points.

FCI Ranges and	FCI Ranges and Description					
0 - 5% In new or well-maintained condition, with little or no visual evidence of wear or deficience						
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 overanalyzed and scrutinized as stand-alone values. The table below summarizes the individual findings for this FCA:

Facility (year built)	Cost/SF	Total SF	Replacement Value	Current	3-Year	5-Year	10-Year
Whitehaven High School (w/CCTE) / Annex Building (2019)	\$400	6,500	\$2,600,000	0.0%	0.0%	6.1%	8.8%
Whitehaven High School (w/CCTE) / Gymnasium (1931)	\$400	18,000	\$7,200,000	0.0%	0.2%	0.6%	9.7%
Whitehaven High School (w/CCTE) / Main Building (1931)	\$400	142,000	\$56,800,000	0.1%	0.8%	1.1%	17.6%

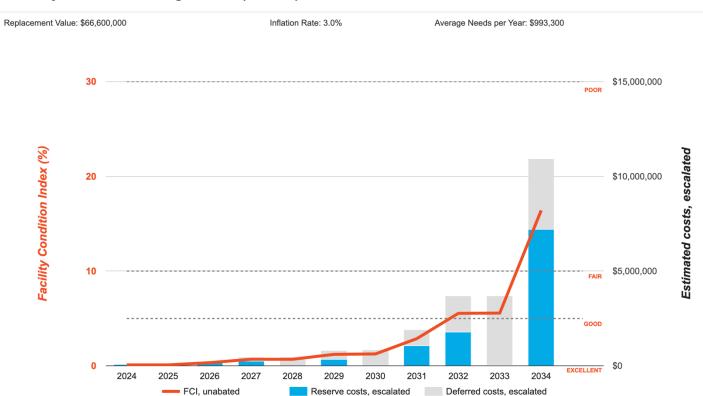


Campus Level FCI:

The vertical bars below represent the year-by-year needs identified for the entire campus. The orange line in the graph below forecasts what would happen to the campus 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: Whitehaven High School (w/CCTE)





The table below shows the anticipated costs by trade or building system over the next 20 years.

System Expenditure Forecast	ystem 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
Structure	-	\$13,100	\$26,300	-	\$71,300	\$110,800
Facade	\$1,100	-	-	\$77,400	\$12,660,900	\$12,739,400
Roofing	-	-	-	\$3,641,800	\$1,400	\$3,643,200
Interiors	\$69,000	\$47,700	\$228,400	\$1,092,100	\$12,289,300	\$13,726,500
Conveying	-	-	\$10,000	\$20,200	\$270,500	\$300,700
Plumbing	-	-	\$5,200	\$193,000	\$3,175,400	\$3,373,700
HVAC	-	-	\$10,300	\$1,408,700	\$4,809,000	\$6,228,000
Fire Protection	-	-	-	\$215,100	\$1,521,000	\$1,736,100
Electrical	-	-	\$185,800	\$1,109,400	\$2,243,400	\$3,538,500
Fire Alarm & Electronic Systems	-	-	-	\$1,969,400	\$1,147,400	\$3,116,800
Equipment & Furnishings	-	-	\$90,300	\$189,900	\$1,299,700	\$1,579,900
Site Development	-	-	\$28,000	\$31,000	\$204,200	\$263,200
Site Utilities	-	-	-	\$56,400	\$275,400	\$331,900
Site Pavement	-	\$95,500	-	\$110,700	\$1,367,700	\$1,573,800
TOTALS (3% inflation)	\$70,100	\$156,300	\$584,400	\$10,115,000	\$41,336,700	\$52,262,500

Immediate Needs

Facility/Building	Total Items	Total Cost
Whitehaven High School (w/CCTE) / Annex Building	1	\$1,100
Whitehaven High School (w/CCTE) / Main Building	3	\$69,000
Total	4	\$70,100

Annex Building

ID	Location	Location Description	UF Code	Description	Condition	Plan Type	Cost
8025415	Whitehaven High School (w/CCTE) / Annex Building	Building Exterior	B2010	Exterior Walls, any type, Repairs per Man- Day, Repair	Poor	Performance/Integrity	\$1,100
Total (1 items)							\$1,100

Main Building

<u>ID</u>	Location	Location Description	UF Code	<u>Description</u>	Condition	<u>Plan Type</u>	Cost
8025310	Whitehaven High School (w/CCTE) / Main Building	Throughout Building	C1010	Interior Construction, any type, Repairs per Man-Day, Repair	Poor	Performance/Integrity	\$2,200
8025216	Whitehaven High School (w/CCTE) / Main Building	Throughout Building	C1010	Interior Construction, any type, Repairs per Man-Day, Repair	Poor	Performance/Integrity	\$3,300
8025341	Whitehaven High School (w/CCTE) / Main Building	Room next A-208	C2030	Flooring, Vinyl Tile (VCT), Replace	Poor	Performance/Integrity	\$63,500
Total (3 items)							\$69,000



Key Findings



Exterior Walls in Poor condition.

any type, Repairs per Man-Day Annex Building Whitehaven High School (w/CCTE) Building Exterior

Uniformat Code: B2010

Recommendation: Repair in 2024

Priority Score: **89.9**

Plan Type:

Performance/Integrity

Cost Estimate: \$1,100

\$\$\$\$

Cost allowance to repair coping above the overhead door - AssetCALC ID: 8025415



Interior Construction in Poor condition.

any type, Repairs per Man-Day Main Building Whitehaven High School (w/CCTE) Throughout Building

Uniformat Code: C1010

Recommendation: Repair in 2024

Priority Score: 84.9

Plan Type:

Performance/Integrity

Cost Estimate: \$3,300

\$\$\$\$

Cost allowance for ceiling tile replacement throughout the facility - AssetCALC ID: 8025216



Interior Construction in Poor condition.

any type, Repairs per Man-Day Main Building Whitehaven High School (w/CCTE) Throughout Building

Uniformat Code: C1010

Recommendation: Repair in 2024

Priority Score: 84.9

Plan Type:

Performance/Integrity

Cost Estimate: \$2,200

\$\$\$\$

Cost allowance to replace missing and broken tiles - AssetCALC ID: 8025310



Flooring in Poor condition.

Vinyl Tile (VCT)
Main Building Whitehaven High School (w/CCTE) Room next A-208

Uniformat Code: C2030

Recommendation: Replace in 2024

Priority Score: 81.9

Plan Type:

Performance/Integrity

Cost Estimate: \$63,500

\$\$\$\$

The wood floor under the VCT is buckling throughout the room. - AssetCALC ID: 8025341





Stairs in Poor condition.

Concrete, Exterior Gymnasium Whitehaven High School (w/CCTE) Site

Uniformat Code: B1080

Recommendation: Replace in 2026

Priority Score: 81.7

Plan Type:

Performance/Integrity

Cost Estimate: \$12,400

\$\$\$\$

Stairs has significant cracking and weathering throughout - AssetCALC ID: 7907245



Wall Finishes in Poor condition.

any surface
Main Building Whitehaven High School
(w/CCTE) Throughout Building

Uniformat Code: C2010

Recommendation: Prep and Paint in 2026

Priority Score: 81.6

Plan Type:

Performance/Integrity

Cost Estimate: \$45,000

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Walls need painting in isolated areas throughout the facility - AssetCALC ID: 8025285

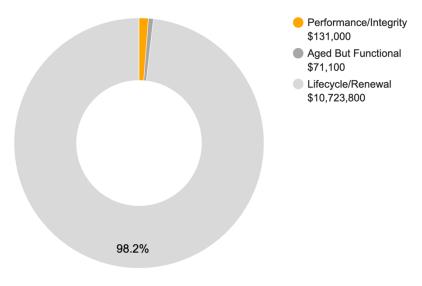


Plan Types

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 handicap 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: \$10,925,900



2. Main Building





Constructed/Renovated	1931	
Building/Group Size	142,000 SF	
Number of Stories	2 above grade with 1 below-grade basement level	
System	Description	Condition
Structure	Masonry bearing walls with metal roof deck supported by open-web steel joists and concrete strip/wall footing foundation system	Fair
Façade	Primary Wall Finish: Brick Windows: Aluminum	Fair
Roof	Flat construction with single-ply TPO/PVC membrane	Fair
Interiors	Walls: Painted lath and plaster, painted CMU and Unfinished Floors: VCT, ceramic tile, quarry tile terrazzo, and unfinished concrete Ceilings: Painted gypsum board, ACT and Unfinished/exposed	Fair
Elevators	Passenger: 3 hydraulic cars serving all floors	Fair
Plumbing	Distribution: Copper and Galvanized iron supply and cast iron waste and venting Hot Water: Electric water heaters with integral tanks Fixtures: Toilets, urinals, and sinks in all restrooms	Fair
HVAC	Central System: Boilers, chillers, air handlers, and cooling tower feeding fan coil and cabinet terminal units Non-Central System: Packaged units and Furnaces with split-system condensing units Supplemental components: Suspended unit heaters and Make-up air units	Fair
Fire Suppression	Wet-pipe sprinkler system and fire extinguishers, and kitchen hood system	Fair

Main Building: System	Main Building: Systems Summary						
Electrical	Source and Distribution: Main switchboard with copper wiring Interior Lighting: LED, linear fluorescent, and incandescent Emergency Power: Diesel generator with automatic transfer switch	Fair					
Fire Alarm	Alarm panel with smoke detectors, heat detectors, alarms, strobes, pull stations, back-up emergency lights, and exit signs	Fair					
Equipment/Special	Commercial kitchen equipment	Fair					
Accessibility	Presently it does not appear an accessibility study is needed for this build Appendix D.	ling. See					
Key Issues and Findings	Damaged ceiling tiles, broken VCT						

3. Annex Building



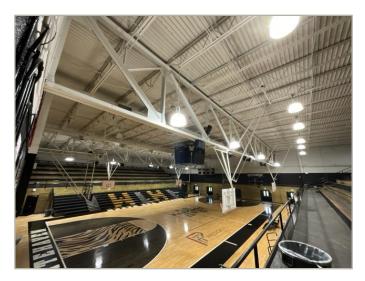


Constructed/Renovated	2019	
Building Size	6,500 SF	
Number of Stories	1 above grade	
System	Description	Condition
Structure	Masonry bearing walls with metal roof deck supported by open-web steel joists and concrete strip/wall footing foundation system	Fair
Façade	Wall Finish: Brick Windows: None	Good
Roof	Gable construction with metal finish	Good
Interiors	Walls: Painted gypsum board Floors: coated concrete Ceilings: Painted gypsum board and ACT	Good
Elevators	None	
Plumbing	Distribution: Copper supply and PVC waste and venting Hot Water: Electric water heaters with integral tanks Fixtures: Toilets, urinals, and sinks in all restrooms	Fair
HVAC	Non-Central System: Packaged units and Split-system heat pumps	Good
Fire Suppression	Wet-pipe sprinkler system and fire extinguishers, and kitchen hood system	Good

Annex Building: Systems Summary		
Electrical	Source and Distribution: Main panel with copper wiring Interior Lighting: LED and linear fluorescent Emergency Power: None	Good
Fire Alarm	Alarm panel with smoke detectors, heat detectors, alarms, strobes, pull stations, back-up emergency lights, and exit signs	Good
Equipment/Special	None	
Accessibility	Presently it does not appear an accessibility study is needed for this build Appendix D.	ing. See
Key Issues and Findings	Damaged wall above overhead door	

4. Gynasium





Constructed/Renovated	1931	
Building Size	18,000 SF	
Number of Stories	1 above grade	
System	Description	Condition
Structure	Masonry bearing walls with metal roof deck supported by open-web steel joists and concrete strip/wall footing foundation system	Fair
Façade	Wall Finish: Brick Windows: None	Fair
Roof	Flat construction with single-ply TPO/PVC membrane	Fair
Interiors	Walls: Painted lath and plaster, painted CMU and Unfinished Floors: VCT, ceramic tile, and wood strip Ceilings: Painted lath and plaster and Unfinished/exposed	Fair
Elevators	None	
Plumbing	Distribution: Copper and Galvanized iron supply and PVC waste and venting Hot Water: None Fixtures: Toilets, urinals, and sinks in all restrooms	Fair
HVAC	Central System: Boiler Non-Central System: Packaged units Supplemental components: Suspended unit heaters	Fair
Fire Suppression	Fire extinguishers only	Fair

Gymnasium: Systems Summary		
Electrical	Source and Distribution: Main panel with copper wiring Interior Lighting: LED and linear fluorescent Emergency Power: None	Fair
Fire Alarm	Smoke detectors, back-up emergency lights, and exit signs	Fair
Equipment/Special	None	
Accessibility	Presently it does not appear an accessibility study is needed for this buildi Appendix D.	ng. See
Key Issues and Findings	Exterior Stairs has significant cracking	

5. Site Summary





Site Information		
System	Description	Condition
Pavement/Flatwork	Asphalt lots with limited areas of concrete aprons and pavement and adjacent concrete sidewalks, curbs, ramps, and stairs	Fair
Site Development	Property entrance signage; chain link fencing Playgrounds and sports fields and courts with bleachers Heavily furnished with park benches, picnic tables, trash receptacles	Fair
Landscaping and Topography	Significant landscaping features including lawns, trees, bushes, and planters Irrigation not present Low to moderate site slopes throughout	Fair
Utilities	Municipal water and sewer Local utility-provided electric and natural gas	Fair
Site Lighting	Pole-mounted: Metal halide Building-mounted: LED, and metal halide Pedestrian walkway and landscape accent lighting	Fair
Ancillary Structures	None	
Accessibility	Presently it does not appear an accessibility study is needed for the exterior site Appendix D.	areas. Se
Key Issues and Findings	None observed at time of assessment.	

6. Property Space Use and Observed Areas

Areas Observed

Most of 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

Areas of note that were either inaccessible or not observed for other reasons are listed here:

Gymnasium Roof; lack of ladder or other means of access and safety concerns



ADA Accessibility

Generally, Title II of the Americans with Disabilities Act (ADA) prohibits discrimination by entities to access and use of "areas of public accommodations" and "public facilities" on the basis of disability. Regardless of their age, these areas and facilities must be maintained and operated to comply with the Americans with Disabilities Act Accessibility Guidelines (ADAAG).

A public entity (i.e. city governments) shall operate each service, program, or activity so that the service, program, or activity, when viewed in its entirety, is readily accessible to and usable by individuals with disabilities.

However, this does not:

- Necessarily require a public entity to make each of its existing facilities accessible to and usable by individuals with disabilities.
- Require a public entity to take any action that would threaten or destroy the historic significance of an historic property; or
- 3. Require a public entity to take any action that it can demonstrate would result in a fundamental alteration in the nature of a service, program, or activity or in undue financial and administrative burdens. In those circumstances where personnel of the public entity believe that the proposed action would fundamentally alter the service, program, or activity or would result in undue financial and administrative burdens, a public entity has the burden of proving that compliance with 35.150(a) of this part would result in such alteration or burdens. The decision that compliance would result in such alteration or burdens must be made by the head of a public entity or his or her designee after considering all resources available for use in the funding and operation of the service, program, or activity, and must be accompanied by a written statement of the reasons for reaching that conclusion. If an action would result in such an alteration or such burdens, a public entity shall take any other action that would not result in such an alteration or such burdens but would nevertheless ensure that individuals with disabilities receive the benefits or services provided by the public entity.

Removal of barriers to accessibility should be addressed from a liability standpoint in order to comply with federal law, but the barriers may or may not be building code violations. The Americans with Disabilities Act Accessibility Guidelines are part of the ADA federal civil rights law pertaining to the disabled and are not a construction code. State and local jurisdictions have adopted the ADA Guidelines or have adopted other standards for accessibility as part of their construction codes.

During the FCA, Bureau Veritas performed a limited high-level accessibility review of the facility non-specific to any local regulations or codes. The scope of the visual observation was limited to the same areas observed while performing the FCA and the categories set forth in the tables that are included in the appendix. It is understood by the Client that the limited observations described herein do not comprise a full ADA Compliance Survey, and that such a survey is beyond the scope of this particular assessment. A full measured ADA survey would be required to identify any and all specific potential accessibility issues. Additional clarifications of this limited survey:

- This survey was visual in nature and actual measurements were not taken to verify compliance
- Only a representative sample of areas was observed
- Two overview photos were taken for each subsection regardless of perceived compliance or non-compliance
- Itemized costs for individual non-compliant items are not included in the dataset
- For any "none" boxes checked or reference to "no issues" identified, that alone does not guarantee full compliance

The campus was originally constructed in 1931 with additional buildings added and renovated in phases over time. The following table summarizes the accessibility conditions of the general site and at each building on campus:

Campus: Accessibility Summary			
Facility	Year Built/ Renovated	Prior Study Provided?	Major/Moderate Issues Observed?
General Site	1931	Yes	No
Main Building	1931	Yes	No
Annex Building	2019	Yes	No



Campus: Accessibility Summary			
Gymnasium	1931	Yes	No

During the interview process with the client representatives, no complaints or pending litigation associated with potential accessibility issues within the campus were reported.

No detailed follow-up accessibility studies are included as recommendations since no major or moderate issues were identified at any of the campus facilities. Reference the appendix for specific data, photos, and tables or checklists associated with this limited accessibility survey.



8. 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	s
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.



9. 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.



10. Certification

Shelby County Board of Education (the Client) retained Bureau Veritas to perform this Facility Condition Assessment in connection with its continued operation of Whitehaven High School (w/CCTE), 4851 Elvis Presley Boulevard, Memphis, Tennessee 38116, 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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Reviewed by:

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11. Appendices

Appendix A: Photographic Record

Appendix B: Site Plan

Appendix C: Pre-Survey Questionnaire

Appendix D: Accessibility Review and Photos

Appendix E: Component Condition Report

Appendix F: Replacement Reserves

Appendix G: Equipment Inventory List



Appendix A: Photographic Record





1 - FRONT ELEVATION



2 - LEFT ELEVATION



3 - RIGHT ELEVATION



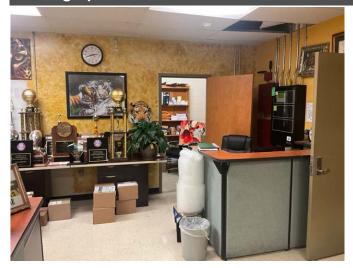
4 - REAR ELEVATION



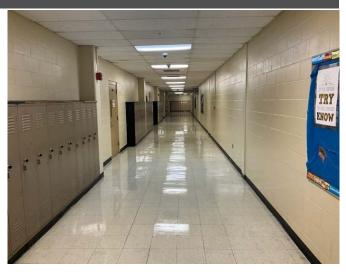
5 - PRIMARY ROOF OVERVIEW



6 - SECONDARY ROOF OVERVIEW



7 - MAIN OFFICE



8 - HALLWAY



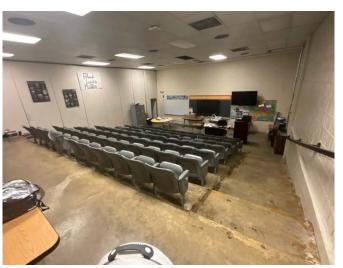
9 - KITCHEN



10 - CAFETERIA



11 - CLASSROOM



12 - CLASSROOM



13 - CLASSROOM



14 - CLASSROOM



15 - CLASSROOM



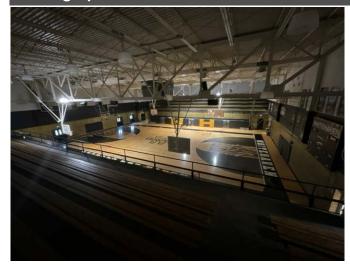
16 - CLASSROOM



17 - CONFERENCE ROOM



18 - AUDITORIUM



19 - GYMNASIUM



20 - GENERAL CIRCULATION



21 - PLUMBING FIXTURES



22 - PLUMBING FIXTURES



23 - WATER HEATER



24 - SWITCHBOARDS



25 - COOLING TOWER



26 - ROOF TOP HVAC



27 - PARKING OVERVIEW



28 - SITE LIGHTING



29 - OVERHEAD/DOCK DOOR

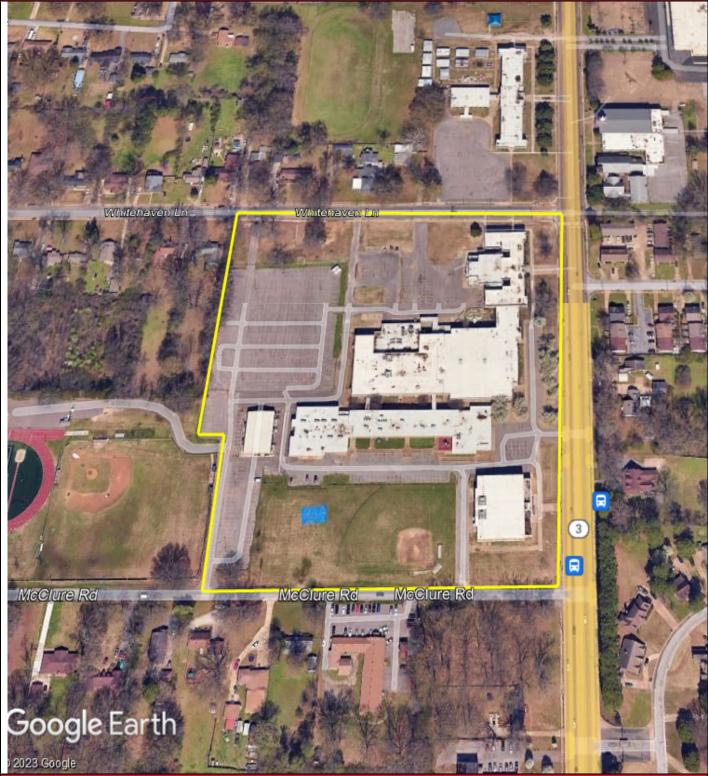


30 - BUILDING MOUNTED SIGNAGE

Appendix B: Site Plan



Site Plan





Project Number	Project Name	
163745.23R000-196.354	Whitehaven High School (w/CCTE)	
Source	On-Site Date	
Google	July 24, 2024	



Appendix C:
Pre-Survey Questionnaire



BV FACILITY CONDITION ASSESSMENT: PRE-SURVEY QUESTIONNAIRE

Name of person completing form:

Title / Association w/ property:

Plant Manager

2 months

Date Completed:

Phone Number:

Ms Orr

Plant Manager

2 months

7/24/2024

901-584-5972

INTERVIEW - verbally completed during interview

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	Constructed 1931	Renovated	1998 section B
2	Building size in SF	238,776	SF	
			Year	Additional Detail
		Facade		
		Roof		
		Interiors	2014/2021	Asbestos removed 2014 Auditorium 2021
3	Major Renovation/Rehabilitation	HVAC		
		Electrical		
		Site Pavement		
		Accessibility		
4	List other significant capital improvements (focus on recent years; provide approximate date).	Annex building in	າ 2023	
5	List any major capital expenditures planned/requested for the next few years. Have they been budgeted?			
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		Resp	onse		Comments
		Yes	No	Unk	NA	
7	Are there any problems with foundations or structures, like excessive settlement?		×			
8	Are there any wall, window, basement or roof leaks?	×				Roof leaks in the Dbuilding
9	Has any part of the facility ever contained visible suspect mold growth, or have there been any indoor air quality complaints?			×		
10	Are your elevators unreliable, with frequent service calls?	×				When the fire alarm goes off
11	Are there any plumbing leaks, water pressure, or clogging/backup issues?		×			
12	Have there been any leaks or pressure problems with natural gas, HVAC piping, or steam service?		×			
13	Are any areas of the facility inadequately heated, cooled or ventilated? Poorly insulated areas?	×				C building is being cooled , waiting on a new chiller
14	Is the electrical service outdated, undersized, or problematic?		×			
15	Are there any problems or inadequacies with exterior lighting?		×			
16	Is site/parking drainage inadequate, with excessive ponding or other problems?		×			
17	Are there any other unresolved construction defects or significant issues/hazards at the property that have not yet been identified above?		×			
18	ADA: Has an accessibility study been previously performed? If so, when?	×				
19	ADA: Have any ADA improvements been made to the property since original construction? Describe.			×		
20	ADA: Has building management reported any accessibility-based complaints or litigation?			×		
21	Are any areas of the property leased to outside occupants?		×			

Signature of Assessor	-	Signature of POC

Appendix D:
Accessibility Review and Photos



Visual Survey - 2010 ADA Standards for Accessible Design

Property Name: Whitehaven High School (w/CCTE)

BV Project Number: 163745.23R000-196.354

Fac	Facility History & Interview											
	Question	Yes	No	Unk	Comments							
1	Has an accessibility study been previously performed? If so, when?			×								
2	Have any ADA improvements been made to the property since original construction? Describe.			×								
3	Has building management reported any accessibility-based complaints or litigation?			×								

Whitehaven High School:	Accessibility Issue	S		
Category	Major Issues (ADA study recommended)	Moderate Issues (ADA study recommended)	Minor Issues	None*
Parking				×
Exterior Accessible Route				X
Building Entrances				×
Interior Accessible Route				×
Elevators				×
Public Restrooms				×
Kitchens/Kitchenettes				×
Playgrounds & Swimming Pools				×
Other			4: 4 4 : 5 : 5 : 5 : 5	

^{*}be cognizant that if the "None" box is checked that does not guarantee full compliance; this study is limited in nature

Whitehaven High School: Photographic Overview



2ND AREA OF ACCESSIBLE PARKING



CLOSE-UP OF STALL



CURB CUT



ACCESSIBLE EXTERIOR LIFT



ACCESSIBLE ENTRANCE



MAIN ENTRANCE

Whitehaven High School: Photographic Overview



ACCESSIBLE INTERIOR PATH



DOOR HARDWARE



LOBBY LOOKING AT CAB



EMERGENCY CALL PANEL



TOILET STALL OVERVIEW



SINK, FAUCET HANDLES AND ACCESSORIES

Whitehaven High School: Photographic Overview



BREAKROOM OVERVIEW



BREAKROOM OVERVIEW



OVERVIEW OF PLAYGROUND



PLAYGROUND SURFACE

Appendix E:
Component Condition Report



Component Condition Report | Whitehaven High School (w/CCTE) / Gymnasium

UF L3 Code	Location	Condition	Asset/Component/Repair Quantity	RUL	ID
Structure					
B1080	Gymnasium	Fair	Stairs, Concrete, Interior 400 SF	15	7907247
B1080	Site	Poor	Stairs, Concrete, Exterior 225 SF	2	7907245
Facade					
B2010		Fair	Exterior Walls, Brick 16,200 SF	30	8026542
B2020	Building Exterior	Fair	Window, Aluminum Double-Glazed, 16-25 SF	15	7907268
B2050	Building Exterior	Fair	Exterior Door, Aluminum-Framed & Glazed, Standard Swing 8	15	7907246
B2050	Building Exterior	Good	Exterior Door, Steel, Standard 15	40	7907275
Roofing					
B3010		Fair	Roofing, Single-Ply Membrane, TPO/PVC 18,000 SF	10	8026538
Interiors					
C1010	Throughout Building	Fair	Interior Wall, Concrete Block (CMU) 75,000 SF	20	7907254
C1030	Throughout Building	Fair	Interior Door, Steel, Standard 18	20	7907267
C1030	Throughout Building	Fair	Interior Door, Wood, Solid-Core	20	7907256
C1090	Restrooms	Good	Toilet Partitions, Plastic/Laminate 12	15	7907272
C1090	Site	Good	Lockers, Steel-Baked Enamel, 12" W x 15" D x 72" H	15	7907266
C2030	Gymnasium	Good	Flooring, Wood, Sports, Refinish 5,200 SF	7	7907279
C2030	Lobby	Fair	Flooring, Vinyl Tile (VCT) 2,250 SF	5	7907263
C2030	Locker Rooms	Good	Flooring, Ceramic Tile 2,650 SF	35	7907261
C2050	Gymnasium	Fair	Ceiling Finishes, Metal 130,098 SF	20	7907273
Plumbing					
D2010	Restrooms	Good	Urinal, Standard	25	7907271
D2010	Restrooms	Good	Sink/Lavatory, Vanity Top, Solid Surface or Vitreous China	25	7907269
D2010	Throughout Building	Good	Drinking Fountain, Wall-Mounted, Single-Level	10	7907258

Component Condition Report | Whitehaven High School (w/CCTE) / Gymnasium

UF L3 Code	Location	Condition	Asset/Component/Repair	Quantity	RUL	ID
D2010	Restrooms	Good	Toilet, Commercial Water Closet	19	27	7907265
D2010	Locker Rooms	Good	Shower, Ceramic Tile	16	25	7907274
D2010	Restrooms	Good	Sink/Lavatory, Wall-Hung, Vitreous China	6	25	7907264
HVAC						
D3020	Utility Rooms/Areas	Fair	Boiler, Gas, HVAC	1	15	7907280
D3020	Locker Rooms	Good	Unit Heater, Electric, 6 to 10 KW	6	15	7907276
D3050		Good	Packaged Unit, RTU, Pad or Roof-Mounted, 4 TON	1	13	8026544
D3050	Mechanical Room	Fair	HVAC System, Ductwork w/ VAV/FCU, High Density	15,098 SF	10	7907278
D3050		Good	Packaged Unit, RTU, Pad or Roof-Mounted, 4 TON	1	13	8026543
Electrical						
D5020	Utility Rooms/Areas	Fair	Distribution Panel, 120/208 V	1	12	7907248
D5020		Fair	Electrical System, Full System Renovation/Upgrade, Medium Density/Complexity	18,000 SF	20	8026545
D5040	Gymnasium	Fair	Standard Fixture w/ Lamp, any type, w/ LED Replacement	42	10	7907251
Equipment & F	urnishings					
E2010	Gymnasium	Good	Bleachers, Telescoping Power-Operated, up to 15 Tier (per Seat)	6	15	7907249
E2010	Site	Fair	Wood Bleachers, Fixed Steel Frame, Aluminum Benches (per Seat)	100	5	7907259
Athletic, Recre	ational & Playfield Area	S				
G2050	Gymnasium	Fair	Sports Apparatus, Basketball, Backboard/Rim/Pole	6	15	7907255
G2050	Gymnasium	Fair	Sports Apparatus, Scoreboard, Electronic Standard	2	7	7907277
G2050	Gymnasium	Good	Sports Apparatus, Scoreboard, Electronic Very Robust	1	20	7907244
Sitework						
G2060	Site	Fair	Fences & Gates, Fence, Metal Tube 6'	275 LF	15	7907252

UF L3 Code	Location	Condition	Asset/Component/Repair Quantit	У	RUL	ID
Structure						
B1080	Site	Fair	Stairs, Metal or Pan-Filled, Exterior 45	0 SF	20	7907426
B1080	Throughout Building	Fair	Stair/Ramp Rails, Metal, Refinish 50	0 LF	4	8025357
B1080	Building Exterior	Fair	Stairs, Concrete, Exterior 40	0 SF	5	7907378
B1080	Throughout Building	Good	Stairs, Concrete, Interior 2,00	0 SF	50	7907391
Facade						
B2010	Building Exterior	Fair	Exterior Walls, Brick 103,09	8 SF	15	7907394
B2020	Building Exterior	Fair	Window, Aluminum Double-Glazed, 16-25 SF	8	15	7907434
B2020	Building Exterior	Fair	Window, Aluminum Double-Glazed, 28-40 SF	3	15	7907380
B2020	Building Exterior	Fair	Glazing, any type, by SF 40,50	0 SF	11	8025250
B2020	Cafeteria	Fair	Screens & Shutters, Rolling Security Shutter, 10 to 50 SF	8	10	7907444
B2050	Building Exterior	Good	Exterior Door, Steel, Standard	0	40	7907416
B2050	Building Exterior	Fair	Overhead/Dock Door, Steel, 20'x14' (280 SF)	5	11	8025212
Roofing						
B3010	Roof	Fair	Roofing, Single-Ply Membrane, TPO/PVC	0 SF	10	8025278
B3020	Roof	Fair	Roof Appurtenances, Gutters & Downspouts, Aluminum w/ Fittings	0 LF	10	8025309
B3020	Roof	Fair	Roof Appurtenances, Gutters & Downspouts, Aluminum w/ Fittings	5 LF	10	7907393
Interiors						
C1010	Throughout Building	Poor	Interior Construction, any type, Repairs per Man-Day, Repair	2	0	8025310
C1010	Throughout Building	Poor	Interior Construction, any type, Repairs per Man-Day, Repair	3	0	8025216
C1030	Throughout Building	Fair	Interior Door, Steel, Standard	7	10	7907386
C1030	Throughout Building	Fair	Interior Door, Wood, Solid-Core	1	10	7907435
C1070	Throughout Building	Fair	Suspended Ceilings, Acoustical Tile (ACT)	0 SF	15	7907428
C1070	Throughout Building	Fair	Suspended Ceilings, Acoustical Tile (ACT)	0 SF	16	8025384
C1090	Throughout Building	Fair	Lockers, Steel-Baked Enamel, 12" W x 15" D x 72" H	0 LF	10	8025254

UF L3 Code	Location	Condition	Asset/Component/Repair	Quantity	RUL	. ID
C1090	Restrooms	Fair	Toilet Partitions, Plastic/Laminate	36	10	7907413
C2010	Throughout Building	Good	Wall Finishes, any surface, Prep & Paint	130,000 SF	7	8025335
C2010	Throughout Building	Poor	Wall Finishes, any surface, Prep & Paint	30,000 SF	2	8025285
C2030	Throughout Building	Fair	Flooring, Ceramic Tile	12,700 SF	11	8025315
C2030	Throughout Building	Fair	Flooring, Terrazzo	12,700 SF	21	8025351
C2030	Throughout Building	Fair	Flooring, Vinyl Tile (VCT)	76,200 SF	8	8025231
C2030	Throughout Building	Fair	Flooring, Quarry Tile	12,700 SF	21	8025274
C2030	Room next A-208	Poor	Flooring, Vinyl Tile (VCT)	12,700 SF	0	8025341
C2050	Throughout Building	Fair	Ceiling Finishes, any flat surface, Prep & Paint	25,400 SF	5	8025301
Conveying						
D1010	Utility Rooms/Areas	Fair	Elevator Controls, Automatic, 1 Car	3	10	7907441
D1010	Hallways & Common Areas	Fair	Elevator Cab Finishes, Economy	1	3	7907448
D1010	Utility Rooms/Areas	Fair	Passenger Elevator, Hydraulic, 2 Floors, Renovate	3	15	7907430
D1010	Hallways & Common Areas	Fair	Elevator Cab Finishes, Economy	1	5	7907452
D1010	Hallways & Common Areas	Fair	Elevator Cab Finishes, Economy	1	3	7907439
Plumbing						
D2010	Throughout Building	Good	Drinking Fountain, Wall-Mounted, Single-Level	30	13	8025224
D2010	Utility Rooms/Areas	Good	Water Heater, Electric, Commercial (12 kW)	1	13	8025347
D2010	Utility Rooms/Areas	Fair	Sink/Lavatory, Service Sink, Floor	4	3	7907395
D2010	Restrooms	Good	Toilet, Commercial Water Closet	51	20	7907382
D2010	Throughout Building	Fair	Backflow Preventer, Domestic Water	1	10	8025256
D2010	Restrooms	Fair	Urinal, Standard	17	10	7907403
D2010	Mechanical Room	Fair	Pump, Circulation/Booster, Domestic Water	1	13	7907388
D2010	Restrooms	Fair	Sink/Lavatory, Wall-Hung, Vitreous China	42	15	7907424
D2010	Throughout Building	Good	Drinking Fountain, Wall-Mounted, Single-Level	22	12	7907417

<u> </u>	•		, ,			
UF L3 Code	Location	Condition	Asset/Component/Repair	Quantity	RUL	ID
D2010	Utility Rooms/Areas	Fair	Backflow Preventer, Domestic Water	1	15	8025372
D2010	Classrooms Industrial Arts	Fair	Sink/Lavatory, Service Sink, Laundry	3	15	8025245
D2010	Utility Rooms/Areas	Fair	Sink/Lavatory, Service Sink, Floor	5	15	8025275
D2010	Classrooms General	Fair	Emergency Plumbing Fixtures, Eye Wash & Shower Station	2	11	8025266
D2010	Throughout Building	Fair	Plumbing System, Supply & Sanitary, Medium Density (excludes fixtures)	141,150 SF	20	8025382
D2010	Mechanical Room	Fair	Water Heater, Electric, Commercial (120 kW), 131 to 250 GAL	1	10	7907445
D2010	Restrooms	Fair	Shower, Valve & Showerhead	2	3	7907397
D2010	Mechanical Room D-1-1	Fair	Water Heater, Electric, Commercial (180 kW)	1	7	8025242
D2010	Mechanical Room	Fair	Water Heater, Electric, Commercial (120 kW), 131 to 250 GAL	1	10	7907402
D2030	Roof	Fair	Supplemental Components, Drains, Roof	10	16	8025307
D2060	Mechanical Room	Fair	Air Compressor, Tank-Style	1	10	7907405
D2060	Mechanical Room	Fair	Supplemental Components, Compressed Air Dryer, Process Support	1	10	8025380
D2060	Utility Rooms/Areas	Fair	Air Compressor, Tank-Style	1	10	8025297
HVAC						
D3020	Mechanical Room	Fair	Boiler, Gas, HVAC	1	15	7907451
D3020	Mechanical Room	Fair	Unit Heater, Electric, 6 to 10 KW	1	3	7907440
D3020	Mechanical Room	Good	Boiler, Gas, HVAC	1	20	7907422
D3020	Mechanical Room	Good	Boiler, Gas, HVAC	1	24	7907407
D3020	Mechanical Room	Fair	Boiler Supplemental Components, Chemical Feed System	1	7	8025276
D3020	Mechanical Room	Fair	Boiler Supplemental Components, Expansion Tank	1	12	8025355
D3020	Breezeways	Fair	Baseboard Heater, Electric, 6 LF	16	11	8025354
D3030	Roof D	Good	Split System, Condensing Unit/Heat Pump [CU 4]	1	10	8025253
D3030	Mechanical Room	Good	Chiller, Water-Cooled, 201 to 250 TON	1	19	8025221
D3030	Kitchen Roof	Fair	Chiller, Air-Cooled	1	10	8025293
D3030	Roof D	Good	Split System, Condensing Unit/Heat Pump [CU 1]	1	10	8025378

UF L3 Code	Location	Condition	Asset/Component/Repair	Quantity	RUL	ID
D3030	Roof D	Good	Split System, Condensing Unit/Heat Pump [CU 3]	1	10	8025314
D3030	Roof D	Good	Split System, Condensing Unit/Heat Pump [CU 5]	1	10	8025318
D3030	Throughout Building	Fair	Unit Ventilator, approx/nominal 2 Ton	25	11	8025373
D3030	Roof	Good	Split System, Condensing Unit/Heat Pump [CU 2]	1	10	8025359
D3030	Roof	Good	Split System, Condensing Unit/Heat Pump [CU 5]	1	10	8025226
D3030	Roof	Good	Split System, Condensing Unit/Heat Pump [CU 4]	1	10	8025300
D3030	Classrooms General	Good	Unit Ventilator, approx/nominal 2 Ton	10	15	8025283
D3030	Roof D	Good	Split System, Condensing Unit/Heat Pump [CU 4]	1	10	8025234
D3030	Roof D	Good	Split System, Condensing Unit/Heat Pump [PL MD 8, 10,12 U3]	1	10	8025385
D3030	Roof D	Good	Split System, Condensing Unit/Heat Pump [CU 2]	1	10	8025360
D3030	Roof D	Good	Split System, Condensing Unit/Heat Pump [CU 2]	1	10	8025238
D3030	Kitchen Roof	Fair	Cooling Tower, (Typical) Open Circuit	1	7	8025228
D3030	Roof	Fair	Split System, Condensing Unit/Heat Pump [CU 3]	1	7	8025311
D3030	Roof D	Good	Split System, Condensing Unit/Heat Pump [CU 1]	1	10	8025346
D3030	Roof	Good	Split System, Condensing Unit/Heat Pump [CU-1]	1	10	8025268
D3050	Custodial supply room	Fair	Air Handler, Interior AHU, Easy/Moderate Access [AHU-3]	1	12	8025323
D3050	Roof D	Fair	Packaged Unit, RTU, Pad or Roof-Mounted [RTU-4]	1	10	8025227
D3050	Roof D	Fair	Packaged Unit, RTU, Pad or Roof-Mounted	1	10	8025244
D3050	Roof D	Fair	Packaged Unit, RTU, Pad or Roof-Mounted	1	10	8025317
D3050	Roof D	Fair	Packaged Unit, RTU, Pad or Roof-Mounted [RTU-5]	1	10	8025246
D3050	Roof	Fair	Packaged Unit, RTU, Pad or Roof-Mounted	1	10	8025366
D3050	Custodial supply room	Fair	Air Handler, Interior AHU, Easy/Moderate Access	1	12	8025237
D3050	Roof D	Fair	Packaged Unit, RTU, Pad or Roof-Mounted [RTU 1]	1	10	8025334
D3050	Throughout Building	Fair	HVAC System, Hydronic Piping, 2-Pipe	141,150 SF	16	8025362
D3050	Roof	Fair	Packaged Unit, RTU, Pad or Roof-Mounted	1	10	8025337

UF L3 Code	Location	Condition	Asset/Component/Repair	Quantity	RUL	ID
D3050	Roof D	Fair	Packaged Unit, RTU, Pad or Roof-Mounted [RTU 10]	1	10	8025286
D3050	Mechanical Room	Fair	Air Handler, Interior AHU, Easy/Moderate Access	1	10	8025381
D3050	Mechanical Room	Fair	Pump, Distribution, HVAC Heating Water	1	13	7907442
D3050	Roof	Fair	Packaged Unit, RTU, Pad or Roof-Mounted	1	10	8025329
D3050	Roof D	Fair	Packaged Unit, RTU, Pad or Roof-Mounted [RTU 9]	1	10	8025325
D3050	Mechanical Room C	Fair	Air Handler, Interior AHU, Easy/Moderate Access [AHU-1]	1	15	8025288
D3050	Roof	Fair	Packaged Unit, RTU, Pad or Roof-Mounted	1	10	8025356
D3050	Roof	Fair	Packaged Unit, RTU, Pad or Roof-Mounted	1	10	8025233
D3050	Mechanical Room	Good	Pump, Distribution, HVAC Chilled or Condenser Water	1	16	8025213
D3050	Roof D	Fair	Make-Up Air Unit, MUA or MAU	1	8	8025377
D3050	Roof D	Fair	Packaged Unit, RTU, Pad or Roof-Mounted [RTU 12]	1	10	8025319
D3050	Roof D	Fair	Packaged Unit, RTU, Pad or Roof-Mounted [RTU 6]	1	10	8025330
D3050	Stage Area	Fair	Air Handler, Interior AHU, Easy/Moderate Access [AHU-2]	1	15	8025295
D3050	Mechanical Room	Fair	Pump, Distribution, HVAC Chilled or Condenser Water	1	16	8025302
D3050	Roof D	Fair	Packaged Unit, RTU, Pad or Roof-Mounted [RTU-4]	1	10	8025376
D3050	Roof D	Fair	Packaged Unit, RTU, Pad or Roof-Mounted	1	10	8025282
D3050	Roof D	Fair	Packaged Unit, RTU, Pad or Roof-Mounted [RTU-#3]	1	10	8025316
D3050	Roof D	Fair	Packaged Unit, RTU, Pad or Roof-Mounted [RTU 11]	1	10	8025332
D3050	Mechanical Room	Fair	Pump, Distribution, HVAC Chilled or Condenser Water	1	16	8025383
D3050	Mechanical Room	Fair	Pump, Distribution, HVAC Heating Water	1	13	7907453
D3050	Roof D	Fair	Packaged Unit, RTU, Pad or Roof-Mounted	1	10	8025344
D3050	Roof D	Fair	Packaged Unit, RTU, Pad or Roof-Mounted [RTU 7]	1	10	8025261
D3050	Roof D	Fair	Packaged Unit, RTU, Pad or Roof-Mounted [RTU 5]	1	10	8025386
D3050	Roof D	Fair	Packaged Unit, RTU, Pad or Roof-Mounted [RTU 8]	1	10	8025365
D3050	Roof D	Fair	Packaged Unit, RTU, Pad or Roof-Mounted [RTU-2]	1	10	8025343

UF L3 Code	Location	Condition	Asset/Component/Repair	Quantity	RUL	ID
D3050	Roof	Fair	Packaged Unit, RTU, Pad or Roof-Mounted	1	10	8025259
D3050	Throughout Building	Fair	HVAC System, Ductwork, High Density	141,150 SF	15	8025367
D3050	Mechanical Room	Fair	Pump, Distribution, HVAC Chilled or Condenser Water	1	13	7907443
D3060	Utility Rooms/Areas	Fair	Exhaust Fan, Centrifugal, 16" Damper	1	10	7907390
D3060	Roof D	Fair	Exhaust Fan, Roof or Wall-Mounted, 16" Damper	3	3	8025340
D3060	Kitchen Roof	Fair	Exhaust Fan, Roof or Wall-Mounted, 28" Damper	1	7	8025308
D3060	Roof	Fair	Exhaust Fan, Roof or Wall-Mounted, 16" Damper	3	10	8025375
D3060	Kitchen Roof	Fair	Exhaust Fan, Roof or Wall-Mounted, 28" Damper	1	7	8025326
D3060	Kitchen Roof	Fair	Exhaust Fan, Roof or Wall-Mounted, 28" Damper	1	7	8025272
D3060	Throughout Building	Fair	Exhaust Fan, Roof or Wall-Mounted, 10" Damper	15	10	8025333
D3060	Kitchen Roof	Fair	Exhaust Fan, Roof or Wall-Mounted, 28" Damper	1	7	8025369
D3060	Roof	Fair	Exhaust Fan, Roof or Wall-Mounted, 24" Damper	1	10	8025350
D3060	Throughout Building	Fair	Exhaust Fan, Roof or Wall-Mounted, 28" Damper	1	7	8025290
D3060	Roof	Fair	Exhaust Fan, Roof or Wall-Mounted, 16" Damper	3	10	8025264
Fire Protectio	n					
D4010	Throughout Building	Fair	Fire Suppression System, Full System Install/Retrofit, Medium Density/Complexity, Renovate	166,500 SF	20	8025260
D4010	Throughout Building	Fair	Fire Suppression System, Existing Sprinkler Heads, by SF	141,150 SF	10	8025345
D4010	Utility Rooms/Areas	Fair	Supplemental Components, Fire Riser, Dry	1	10	7907387
D4030	Throughout Building	Good	Fire Extinguisher, Type ABC, up to 20 LB	14	9	7907414
Electrical						
D5010	Mechanical Room	Fair	Automatic Transfer Switch, ATS	1	3	7907384
D5010	Building Exterior	Fair	Generator, Diesel	1	3	8025358
D5020	Mechanical Room D-1-1	Fair	Switchboard, 277/480 V	1	15	8025299
D5020	Electrical Room	Fair	Distribution Panel, 120/208 V	1	15	8025338
D5020	Electrical Room D upstairs	Fair	Distribution Panel, 120/240 V [PANEL DPB]	1	15	8025280

UF L3 Code	Location	Condition	Asset/Component/Repair	Quantity	RUL	ID
D5020	Electrical Room	Fair	Secondary Transformer, Dry, Stepdown	1	15	8025370
D5020	Mechanical Room	Fair	Secondary Transformer, Dry, Stepdown	1	10	7907383
D5020	Electrical Room D	Fair	Switchboard, 277/480 V [PANEL DPC]	1	11	8025249
D5020	Custodial supply room	Fair	Secondary Transformer, Dry, Stepdown	1	3	8025291
D5020	Mechanical Room	Fair	Switchboard, 277/480 V	1	12	7907431
D5020	Electrical Room	Fair	Secondary Transformer, Dry, Stepdown	1	15	8025368
D5020	Electrical Room D	Fair	Secondary Transformer, Dry, Stepdown	1	15	8025324
D5020	Utility Rooms/Areas	Fair	Secondary Transformer, Dry, Stepdown	1	10	7907408
D5020	Utility Rooms/Areas	Fair	Secondary Transformer, Dry, Stepdown	1	10	7907420
D5020	Electrical Room D upstairs	Fair	Secondary Transformer, Dry, Stepdown	1	15	8025289
D5020	Classrooms General	Fair	Secondary Transformer, Dry, Stepdown	1	10	8025230
D5020	Electrical Room	Fair	Secondary Transformer, Dry, Stepdown	1	15	8025336
D5020	Main Entrance	Fair	Secondary Transformer, Dry, Stepdown	1	15	8025265
D5020	Utility Rooms/Areas	Fair	Distribution Panel, 120/208 V	4	8	7907449
D5020	Electrical Room	Fair	Secondary Transformer, Dry, Stepdown	1	15	8025267
D5020	Electrical Room D	Fair	Switchboard, 277/480 V [PANEL D PM]	1	11	8025328
D5020	Mechanical Room	Fair	Secondary Transformer, Dry, Stepdown	1	10	7907418
D5020	Electrical Room	Fair	Distribution Panel, 120/208 V	1	15	8025352
D5020	Building Exterior	Fair	Primary Transformer, Dry, Property-Owned, 500 KVA	1	10	7907396
D5020	Mechanical Room	Fair	Distribution Panel, 277/480 V	2	15	7907385
D5020	Mechanical Room D-1-1	Fair	Secondary Transformer, Dry, Stepdown	1	10	8025239
D5020	Mechanical Room	Fair	Switchboard, 277/480 V	1	3	7907404
D5020	Mechanical Room	Fair	Switchboard, 277/480 V	1	12	7907433
D5020	Electrical Room D	Fair	Secondary Transformer, Dry, Stepdown	1	10	8025235
D5030	Throughout Building	Fair	Electrical System, Wiring & Switches, High Density/Complexity	141,150 SF	12	8025313

UF L3 Code	Location	Condition	Asset/Component/Repair	Quantity	RUL	ID
D5030	Mechanical Room	Good	Variable Frequency Drive, VFD, by HP of Motor, Replace/Install	1	14	8025363
D5030	Mechanical Room	Good	Variable Frequency Drive, VFD, by HP of Motor, Replace/Install	1	17	8025236
D5030	Throughout Building	Good	Variable Frequency Drive, VFD, by HP of Motor, Replace/Install	1	16	8025361
D5040	Mechanical Room	Good	Exterior Fixture w/ Lamp, any type, w/ LED Replacement	51	15	7907401
D5040	Throughout Building	Fair	Interior Lighting System, Full Upgrade, Medium Density & Standard Fixtures	141,150 SF	10	8025305
Fire Alarm & E	Electronic Systems					
D6060		Fair	Intercom/PA System, Intercom System Upgrade, Facility-Wide	150,000 SF	7	8025243
D6060	Throughout Building	Good	Intercom/PA System, Public Address Upgrade, School Stadium	1	19	8025284
D7010	Throughout Building	Fair	Intrusion Detection System, Full Alarm System Renovation/Upgrade, Upgrade/Install	141,150 SF	8	8025371
D7010	Throughout Building	Fair	Intrusion Detection System, Full Alarm System Renovation/Upgrade, Upgrade/Install	153,098 SF	8	7907381
D7030	Throughout Building	Good	Security/Surveillance System, Full System Upgrade, Average Density	153,098 SF	10	7907447
D7050	Throughout Building	Fair	Fire Alarm Panel, Multiplex	1	7	8025321
D7050	Throughout Building	Fair	Fire Alarm Panel, Fully Addressable	1	7	7907427
D7050	Throughout Building	Good	Fire Alarm System, Full System Upgrade, Standard Addressable, Upgrade/Install	153,098 SF	15	7907411
D7050	Throughout Building	Fair	Fire Alarm System, Full System Upgrade, Simple Addressable, Upgrade/Install	141,150 SF	11	8025240
Equipment &	Furnishings					
E1030	Kitchen	Fair	Foodservice Equipment, Steamer, Freestanding	1	5	8025379
E1030	Kitchen	Good	Foodservice Equipment, Food Puree	1	7	8025248
E1030	Kitchen	Good	Foodservice Equipment, Food Puree	1	7	8025214
E1030	Kitchen	Good	Foodservice Equipment, Food Warmer, Proofing Cabinet on Wheels	1	14	8025296
E1030	Kitchen	Fair	Foodservice Equipment, Garbage Disposal, 1 to 3 HP	1	5	8025263
E1030	Kitchen	Fair	Foodservice Equipment, Refrigerator, 2-Door Reach-In	1	5	8025327
E1030	Kitchen	Good	Foodservice Equipment, Food Puree	1	7	8025225
E1030	Kitchen	Good	Foodservice Equipment, Refrigerator, 2-Door Reach-In	1	11	8025312
E1030	Kitchen	Fair	Foodservice Equipment, Walk-In, Evaporator for Refigerator/Freezer	1	8	8025222

UF L3 Code	Location	Condition	Asset/Component/Repair	Quantity	RUL	ID
E1030	Kitchen	Good	Foodservice Equipment, Food Puree	1	7	8025294
E1030	Kitchen	Fair	Foodservice Equipment, Icemaker, Freestanding	1	7	8025271
E1030	Kitchen	Fair	Foodservice Equipment, Exhaust Hood, 3 to 6 LF	1	6	8025269
E1030	Kitchen	Fair	Foodservice Equipment, Freezer, 2-Door Reach-In	1	8	8025374
E1030	Kitchen	Fair	Foodservice Equipment, Exhaust Hood, 3 to 6 LF	1	6	8025217
E1030	Kitchen	Good	Foodservice Equipment, Food Puree	1	7	8025270
E1030	Kitchen	Fair	Foodservice Equipment, Walk-In, Refrigerator	1	10	8025364
E1030	Kitchen	Fair	Foodservice Equipment, Convection Oven, Single	1	5	8025292
E1030	Kitchen	Fair	Foodservice Equipment, Freezer, 2-Door Reach-In	1	8	8025273
E1030	Kitchen	Good	Foodservice Equipment, Dairy Cooler/Wells	1	14	8025247
E1030	Kitchen	Fair	Sink/Lavatory, Commercial Kitchen, 2-Bowl	1	15	8025218
E1030	Kitchen	Good	Foodservice Equipment, Food Puree	1	7	8025252
E1030	Kitchen	Good	Foodservice Equipment, Food Warmer, Proofing Cabinet on Wheels	1	10	8025342
E1030	Kitchen	Fair	Foodservice Equipment, Walk-In, Freezer	1	10	8025353
E1030	Kitchen	Fair	Foodservice Equipment, Exhaust Hood, 3 to 6 LF	1	6	8025348
E1030	Kitchen	Fair	Foodservice Equipment, Steam Kettle	1	11	8025223
E1030	Kitchen	Fair	Sink/Lavatory, Commercial Kitchen, 3-Bowl	2	15	8025339
E1030	Kitchen	Fair	Foodservice Equipment, Dairy Cooler/Wells	1	8	8025303
E1030	Kitchen	Good	Foodservice Equipment, Food Puree	1	7	8025220
E1030	Kitchen	Good	Foodservice Equipment, Food Puree	1	7	8025241
E1030	Kitchen	Good	Foodservice Equipment, Food Warmer, Proofing Cabinet on Wheels	1	10	8025281
E1030	Kitchen	Good	Foodservice Equipment, Convection Oven, Double	1	7	8025255
E1030	Kitchen	Fair	Foodservice Equipment, Dairy Cooler/Wells	1	8	8025306
E1030	Kitchen	Fair	Foodservice Equipment, Exhaust Hood, 3 to 6 LF	1	6	8025279
E1030	Kitchen	Fair	Foodservice Equipment, Convection Oven, Double	1	6	8025219

UF L3 Code	Location	Condition	Asset/Component/Repair	Quantity	RUL	ID
E1040	Classrooms Art	Fair	Ceramics Equipment, Kiln	1	11	8025349
E1040	Classrooms Industrial Arts	Fair	Laboratory Equipment, Lab Sink, Epoxy Resin	48	15	8025262
E1070	Auditorium	Fair	Theater & Stage Equipment, Flameproof Curtain, Medium Weight Velour	2,760 SF	5	7907389
E2010	Classrooms Industrial Arts	Fair	Fixed Seating, Auditorium/Theater, Metal Cushioned Standard	85	10	8025287
E2010	Auditorium	Good	Fixed Seating, Auditorium/Theater, Metal Cushioned Standard	1,600	15	7907423
Pedestrian Pla	azas & Walkways					
G2020	Site	Fair	Parking Lots, Pavement, Asphalt, Mill & Overlay	200,000 SF	15	8025258
G2020	Site	Fair	Parking Lots, Pavement, Asphalt, Seal & Stripe	200,000 SF	2	8025304
Athletic, Recre	eational & Playfield Areas					
G2050	Building Exterior	Fair	Play Structure, Multipurpose, Small	1	3	7907438
G2050	Building Exterior	Fair	Playfield Surfaces, Rubber, Poured-in-Place	600 SF	3	7907437
Sitework						
G2060	Building Exterior	Fair	Picnic Table, Metal Powder-Coated	12	10	7907421
G2060	Building Exterior	Fair	Fences & Gates, Fence, Metal Tube 6'	980 LF	15	7907399
G2060	Site	Fair	Fences & Gates, Fence, Chain Link 6'	2,000 LF	21	8025320
G4050	Site Parking Areas	Good	Pole Light Fixture w/ Lamps, any type 30' High, w/ LED Replacement, Replace/Install	26	15	7907410
G4050	Site	Fair	Pole Light Fixture w/ Lamps, any type 30' High, w/ LED Replacement, Replace/Install	6	10	8025232

UF L3 Code	Location	Condition	Asset/Component/Repair	Quantity	RUL	ID
Facade						
B2010	Building Exterior	Fair	Exterior Walls, Brick	5,400 SF	20	7907345
B2010	Building Exterior	Poor	Exterior Walls, any type, Repairs per Man-Day, Repair	1	0	8025415
B2050	Building Exterior	Good	Exterior Door, Steel, Standard	10	35	8025413
B2050	Building Exterior	Good	Overhead/Dock Door, Aluminum, 20'x14' (280 SF)	1	25	8025414

UF L3 Code	Location	Condition	Asset/Component/Repair	Quantity	RUL	ID
B2050	Building Exterior	Good	Exterior Door, Steel, Standard	2	40	8025421
Roofing						
B3010	Roof	Good	Roofing, Metal	6,500 SF	35	8025412
B3020	Roof	Good	Roof Appurtenances, Gutters & Downspouts, Aluminum w/ Fittings	100 LF	15	8025410
Interiors						
C1030	Throughout Building	Good	Interior Door, Steel, Standard	9	35	7907357
C1070	Throughout Building	Good	Suspended Ceilings, Acoustical Tile (ACT)	3,000 SF	20	7907373
C1090	Restrooms	Good	Toilet Partitions, Plastic/Laminate	5	15	7907374
C2010	Throughout Building	Fair	Wall Finishes, any surface, Prep & Paint	90,000 SF	5	7907350
C2030	Throughout Building	Good	Flooring, any surface, w/ Paint or Sealant, Prep & Paint	7,098 SF	9	7907376
Plumbing						
D2010	Throughout Building	Good	Sink/Lavatory, Service Sink, Floor	1	30	7907355
D2010	Utility Rooms/Areas	Good	Water Heater, Electric, Residential	1	10	7907352
D2010		Good	Drinking Fountain, Wall-Mounted, Single-Level	2	10	7907347
D2010		Good	Toilet, Commercial Water Closet	5	25	7907367
D2010	Restrooms	Good	Urinal, Standard	1	25	7907362
D2010	Restrooms	Good	Sink/Lavatory, Vanity Top, Solid Surface or Vitreous China	6	25	7907366
HVAC						
D3030	Building Exterior	Good	Split System, Condensing Unit/Heat Pump	1	10	7907372
D3030	Mechanical Room	Good	Split System, Fan Coil Unit, DX	1	10	7907377
D3050	Building Exterior	Good	Packaged Unit, RTU, Pad or Roof-Mounted, 3 TON	1	15	7907364
D3050	Throughout Building	Good	HVAC System, Ductwork, Medium Density	7,098 SF	25	7907344
D3050	Building Exterior	Good	Packaged Unit, RTU, Pad or Roof-Mounted	1	15	7907353
D3050	Building Exterior	Good	Packaged Unit, RTU, Pad or Roof-Mounted	1	15	7907356
D3050	Building Exterior	Good	Packaged Unit, RTU, Pad or Roof-Mounted	1	15	7907354

UF L3 Code	Location	Condition	Asset/Component/Repair	Quantity	RUL	ID
D3060	Restrooms	Good	Exhaust Fan, Centrifugal, 12" Damper	2	20	7907346
Fire Protection						
D4010	Throughout Building	Good	Fire Suppression System, Existing Sprinkler Heads, by SF	7,098 SF	20	7907360
Electrical						
D5020	Mechanical Room	Good	Distribution Panel, 120/208 V	2	25	7907368
D5020	Mechanical Room	Good	Secondary Transformer, Dry, Stepdown	1	22	7907349
D5040	Building Exterior	Good	Exterior Fixture w/ Lamp, any type, w/ LED Replacement	5	15	8025417
D5040	Throughout Building	Good	Interior Lighting System, Full Upgrade, Medium Density & Standard Fixtures	6,500 SF	15	7907351
Fire Alarm & E	lectronic Systems					
D7030	Mechanical Room	Good	Security/Surveillance System, Full System Upgrade, High Density	6,500 SF	10	7907375
D7050	Mechanical Room	Good	Fire Alarm Panel, Fully Addressable	1	10	7907361
D7050	Throughout Building	Good	Fire Alarm System, Full System Upgrade, Standard Addressable, Upgrade/Install	7,098 SF	15	7907358
Sitework						
G2060	Site	Good	Picnic Table, Metal Powder-Coated	1	15	8025420
G2060	Site	Good	Fences & Gates, Fence, Chain Link 8'	100 LF	35	8025419

Appendix F:
Replacement Reserves



Location	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	
Whitehaven High School (w/CCTE) / Annex Building	\$1,100	\$0	\$0	\$0	\$0	\$156,502	\$0	\$0	\$0	\$13,892	\$56,377	\$0	\$0	\$0	\$0	
Whitehaven High School (w/CCTE) / Gymnasium	\$0	\$0	\$13,129	\$0	\$0	\$26,953	\$0	\$51,655	\$0	\$0	\$608,719	\$0	\$8,555	\$26,434	\$0	
Whitehaven High School (w/CCTE) / Main Building	\$69,000	\$0	\$143,222	\$235,810	\$844	\$164,269	\$25,648	\$1,027,781	\$1,776,399	\$2,740	\$6,551,826	\$4,265,461	\$1,466,252	\$176,459	\$17,168	\$
Grand Total	\$70,100	\$0	\$156,350	\$235,810	\$844	\$347,724	\$25,648	\$1,079,436	\$1,776,399	\$16,632	\$7,216,922	\$4,265,461	\$1,474,807	\$202,893	\$17,168	\$

Uniformat C	odeLocation Description	ID Cost Description	Lifespan (EUL)	EAge	RUL	Quantity	Unit	Unit Cost *	Subtotal 2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
B2010	Building Exterior	8025415 Exterior Walls, any type, Repairs per Man-Day, Repair	0	0	0	1	EA	\$1,100.00	\$1,100 \$1,100										
B2010	Building Exterior	7907345 Exterior Walls, Brick, Replace	50	30	20	5400	SF	\$53.00	\$286,200										
B3020	Roof	8025410 Roof Appurtenances, Gutters & Downspouts, Aluminum w/ Fittings, Replace	20	5	15	100	LF	\$9.00	\$900										
C1070	Throughout Building	7907373 Suspended Ceilings, Acoustical Tile (ACT), Replace	25	5	20	3000	SF	\$3.50	\$10,500										
C1090	Restrooms	7907374 Toilet Partitions, Plastic/Laminate, Replace	20	5	15	5	EA	\$750.00	\$3,750										
C2010	Throughout Building	7907350 Wall Finishes, any surface, Prep & Paint	10	5	5	90000	SF	\$1.50	\$135,000				5	\$135,000					
C2030	Throughout Building	7907376 Flooring, any surface, w/ Paint or Sealant, Prep & Paint	10	1	9	7098	SF	\$1.50	\$10,647								;	\$10,647	
D2010	Utility Rooms/Areas	7907352 Water Heater, Electric, Residential, Replace	15	5	10	1	EA	\$650.00	\$650										\$650
D2010	Annex Building	7907347 Drinking Fountain, Wall-Mounted, Single-Level, Replace	15	5	10	2	EA	\$1,200.00	\$2,400									\$	52,400
D3030	Mechanical Room	7907377 Split System, Fan Coil Unit, DX, Replace	15	5	10	1	EA	\$2,100.00	\$2,100									\$	52,100
D3030	Building Exterior	7907372 Split System, Condensing Unit/Heat Pump, Replace	15	5	10	1	EA	\$2,300.00	\$2,300									\$	52,300
D3050	Building Exterior	7907354 Packaged Unit, RTU, Pad or Roof-Mounted, Replace	20	5	15	1	EA	\$9,000.00	\$9,000										
D3050	Building Exterior	7907356 Packaged Unit, RTU, Pad or Roof-Mounted, Replace	20	5	15	1	EA	\$9,000.00	\$9,000										
D3050	Building Exterior	7907353 Packaged Unit, RTU, Pad or Roof-Mounted, Replace	20	5	15	1	EA	\$9,000.00	\$9,000										
D3050	Building Exterior	7907364 Packaged Unit, RTU, Pad or Roof-Mounted, 3 TON, Replace	20	5	15	1	EA	\$7,500.00	\$7,500										
D3060	Restrooms	7907346 Exhaust Fan, Centrifugal, 12" Damper, Replace	25	5	20	2	EA	\$1,400.00	\$2,800										
D4010	Throughout Building	7907360 Fire Suppression System, Existing Sprinkler Heads, by SF, Replace	25	5	20	7098	SF	\$1.07	\$7,595										
D5040	Building Exterior	8025417 Exterior Fixture w/ Lamp, any type, w/ LED Replacement, Replace	20	5	15	5	EA	\$600.00	\$3,000										
D5040	Throughout Building	7907351 Interior Lighting System, Full Upgrade, Medium Density & Standard Fixtures,	Replace 20	5	15	6500	SF	\$4.50	\$29,250										
D7030	Mechanical Room	7907375 Security/Surveillance System, Full System Upgrade, High Density, Replace	15	5	10	6500	SF	\$3.00	\$19,500									\$1	9,500
D7050	Mechanical Room	7907361 Fire Alarm Panel, Fully Addressable, Replace	15	5	10	1	EA	\$15,000.00	\$15,000									\$1	5,000
D7050	Throughout Building	7907358 Fire Alarm System, Full System Upgrade, Standard Addressable, Upgrade/In	stall 20	5	15	7098	SF	\$3.00	\$21,294										
G2060	Site	8025420 Picnic Table, Metal Powder-Coated, Replace	20	5	15	1	EA	\$700.00	\$700										
Totals, Une	scalated								\$1,100	\$0	\$0	\$0	\$0 \$	\$135,000	\$0	\$0	\$0	\$10,647 \$4	1,950
Totals Ess	alated (3.0% inflation, co	mounded annually)							\$1,100	\$0	\$0	\$0	60 (\$156,502	\$0	\$0	en e	\$13,892 \$5	6 377

Uniformat CodeLocation DescriptionID	Cost Description	Lifespan (EUL)	EAge	RUL	Quantity	/Unit	Unit Cost * S	Subtotal 2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
B1080 Site 790724	Stairs, Concrete, Exterior, Replace	50	48	2	225	SF	\$55.00	\$12,375	!	\$12,375								

9/30/2024

Uniformat C	CodeLocation Description	ID Cost Description		Lifespan (EUL)E	Age R	RUL	Quantity	Unit	Unit Cost *	Subtotal	2024	2025	2026	2027	2028 2029	2030 2031	2032	2033 203
B1080	Gymnasium	7907247 Stairs, Concrete, Interior, Replace	e	50	35	15	400	SF	\$50.00	\$20,000								
B2020	Building Exterior	7907268 Window, Aluminum Double-Glaze	ed, 16-25 SF, Replace	30	15	15	16	EA	\$950.00	\$15,200								
B2050	Building Exterior	7907246 Exterior Door, Aluminum-Framed	& Glazed, Standard Swing, Replace	30	15	15	8	EA	\$1,300.00	\$10,400								
B3010	Gymnasium	8026538 Roofing, Single-Ply Membrane, T	PO/PVC, Replace	20	10	10	18000	SF	\$17.00	\$306,000								\$306,000
C1010	Throughout Building	7907254 Interior Wall, Concrete Block (CM	ſU), Replace	50	30	20	75000	SF	\$20.00	\$1,500,000								
C1030	Throughout Building	7907267 Interior Door, Steel, Standard, Re	eplace	40	20	20	18	EA	\$600.00	\$10,800								
C1030	Throughout Building	7907256 Interior Door, Wood, Solid-Core,	Replace	40	20	20	12	EA	\$700.00	\$8,400								
C1090	Restrooms	7907272 Toilet Partitions, Plastic/Laminate	a, Replace	20	5	15	12	EA	\$750.00	\$9,000								
C1090	Site	7907266 Lockers, Steel-Baked Enamel, 12	2" W x 15" D x 72" H, Replace	20	5	15	76	LF	\$500.00	\$38,000								
C2030	Lobby	7907263 Flooring, Vinyl Tile (VCT), Replace	ce	15	10	5	2250	SF	\$5.00	\$11,250					\$11,250			
C2030	Gymnasium	7907279 Flooring, Wood, Sports, Refinish		10	3	7	5200	SF	\$5.00	\$26,000						\$26,000		
C2050	Gymnasium	7907273 Ceiling Finishes, Metal, Replace		50	30	20	130098	SF	\$30.00	\$3,902,940								
D2010	Throughout Building	7907258 Drinking Fountain, Wall-Mounted	, Single-Level, Replace	15	5	10	12	EA	\$1,200.00	\$14,400								\$14,400
D3020	Utility Rooms/Areas	7907280 Boiler, Gas, HVAC, Replace		30	15	15	1	EA	\$15,800.00	\$15,800								
D3020	Locker Rooms	7907276 Unit Heater, Electric, 6 to 10 KW,	Replace	20	5	15	6	EA	\$2,200.00	\$13,200								
D3050	Mechanical Room	7907278 HVAC System, Ductwork w/ VAV	/FCU, High Density, Replace	30	20	10	15098	SF	\$8.00	\$120,784								\$120,784
D3050	Gymnasium	8026544 Packaged Unit, RTU, Pad or Roc	of-Mounted, 4 TON, Replace	20	7	13	1	EA	\$9,000.00	\$9,000								
D3050	Gymnasium	8026543 Packaged Unit, RTU, Pad or Roc	of-Mounted, 4 TON, Replace	20	7	13	1	EA	\$9,000.00	\$9,000								
D5020	Utility Rooms/Areas	7907248 Distribution Panel, 120/208 V, Re	eplace	30	18	12	1	EA	\$6,000.00	\$6,000								
D5020	Gymnasium	8026545 Electrical System, Full System Re	enovation/Upgrade, Medium Density/Complexity, R	eplace 40	20	20	18000	SF	\$18.00	\$324,000								
D5040	Gymnasium	7907251 Standard Fixture w/ Lamp, any ty	vpe, w/ LED Replacement, Replace	20	10	10	42	EA	\$280.00	\$11,760								\$11,760
E2010	Site	7907259 Wood Bleachers, Fixed Steel Fra	ıme, Aluminum Benches (per Seat), Replace	25	20	5	100	EA	\$120.00	\$12,000					\$12,000			
E2010	Gymnasium	7907249 Bleachers, Telescoping Power-O	perated, up to 15 Tier (per Seat), Replace	20	5	15	6	EA	\$450.00	\$2,700								
G2050	Gymnasium	7907277 Sports Apparatus, Scoreboard, E	lectronic Standard, Replace	25	18	7	2	EA	\$8,000.00	\$16,000						\$16,000		
G2050	Gymnasium	7907255 Sports Apparatus, Basketball, Ba	ickboard/Rim/Pole, Replace	25	10	15	6	EA	\$9,500.00	\$57,000								
G2050	Gymnasium	7907244 Sports Apparatus, Scoreboard, E	Electronic Very Robust, Replace	25	5	20	1	EA	\$20,000.00	\$20,000								
G2060	Site	7907252 Fences & Gates, Fence, Metal Tu	ube 6', Replace	40	25	15	275	LF	\$40.00	\$11,000								
Totals, Une	scalated										\$0	\$0	\$12,375	\$0	\$0 \$23,250	\$0 \$42,000	\$0	\$0 \$452,944
	alated (3.0% inflation, co	an accorded assertable)									\$0		\$13,129	\$0	\$0 \$26,953		\$0	\$0 \$608,719

Whitehaven High School (w/CCTE) / Main Building

Uniformat Code	ocation Description	ID	Cost Description	Lifespan (EUL)	EAge	RUL	Quantity	/Unit	Unit Cost *	Subtotal 2	2024 2025	2026	2027	2028	2029	2030	2031	2032	2033
B1080 Bu	uilding Exterior	790737	8 Stairs, Concrete, Exterior, Replace	50	45	5	400	SF	\$55.00	\$22,000				\$	22,000				
B1080 Sit	ite	790742	6 Stairs, Metal or Pan-Filled, Exterior, Replace	40	20	20	450	SF	\$48.00	\$21,600									
B1080 Th	hroughout Building	802535	7 Stair/Ramp Rails, Metal, Refinish	10	6	4	500	LF	\$1.50	\$750				\$750					

Uniformat Code	ocation Description	ID Cost Description	Lifespan (EUL)	EAge	RUL	Quantity	Unit	Unit Cost *	Subtotal	2024 20	25 2020	3 2027	2028	2029	2030	2031	2032	2033	
B2010 E	Building Exterior	7907394 Exterior Walls, Brick, Replace	50	35	15	103098	SF	\$53.00	\$5,464,194										
B2020 E	Building Exterior	7907434 Window, Aluminum Double-Glazed, 16-25 SF, Replace	30	15	15	178	EA	\$950.00	\$169,100										
B2020 E	Building Exterior	7907380 Window, Aluminum Double-Glazed, 28-40 SF, Replace	30	15	15	103	EA	\$1,250.00	\$128,750										
B2020 E	Building Exterior	8025250 Glazing, any type, by SF, Replace	30	19	11	40500	SF	\$55.00	\$2,227,500										
B2020 C	Cafeteria	7907444 Screens & Shutters, Rolling Security Shutter, 10 to 50 SF, Replace	20	10	10	48	EA	\$1,200.00	\$57,600										\$!
B2050 E	Building Exterior	8025212 Overhead/Dock Door, Steel, 20'x14' (280 SF), Replace	30	19	11	5	EA	\$6,300.00	\$31,500										
B3010 F	Roof	8025278 Roofing, Single-Ply Membrane, TPO/PVC, Replace	20	10	10	141150	SF	\$17.00	\$2,399,550										\$2,39
B3020 F	Roof	8025309 Roof Appurtenances, Gutters & Downspouts, Aluminum w/ Fittings, Replace	20	10	10	100	LF	\$9.00	\$900										
B3020 F	Roof	7907393 Roof Appurtenances, Gutters & Downspouts, Aluminum w/ Fittings, Replace	20	10	10	375	LF	\$9.00	\$3,375										•
C1010 T	Throughout Building	8025216 Interior Construction, any type, Repairs per Man-Day, Repair	0	0	0	3	EA	\$1,100.00	\$3,300	\$3,300									
C1010 T	Throughout Building	8025310 Interior Construction, any type, Repairs per Man-Day, Repair	0	0	0	2	EA	\$1,100.00	\$2,200	\$2,200									
C1030 T	Throughout Building	7907386 Interior Door, Steel, Standard, Replace	40	30	10	107	EA	\$600.00	\$64,200										\$6
C1030 T	Throughout Building	7907435 Interior Door, Wood, Solid-Core, Replace	40	30	10	71	EA	\$700.00	\$49,700										\$4
C1070 T	Throughout Building	7907428 Suspended Ceilings, Acoustical Tile (ACT), Replace	25	10	15	120000	SF	\$3.50	\$420,000										
C1070 T	Throughout Building	8025384 Suspended Ceilings, Acoustical Tile (ACT), Replace	25	9	16	101600	SF	\$3.50	\$355,600										
C1090 F	Restrooms	7907413 Toilet Partitions, Plastic/Laminate, Replace	20	10	10	36	EA	\$750.00	\$27,000										\$2
C1090 T	Throughout Building	8025254 Lockers, Steel-Baked Enamel, 12" W x 15" D x 72" H, Replace	20	10	10	200	LF	\$500.00	\$100,000										\$10
C2010 T	Throughout Building	8025285 Wall Finishes, any surface, Prep & Paint	10	8	2	30000	SF	\$1.50	\$45,000		\$45,000								
C2010 T	Throughout Building	8025335 Wall Finishes, any surface, Prep & Paint	10	3	7	130000	SF	\$1.50	\$195,000							\$195,000			
C2030 T	Throughout Building	8025315 Flooring, Ceramic Tile, Replace	40	29	11	12700	SF	\$18.00	\$228,600										
C2030 F	Room next A-208	8025341 Flooring, Vinyl Tile (VCT), Replace	15	15	0	12700	SF	\$5.00	\$63,500	\$63,500									
C2030 T	Throughout Building	8025231 Flooring, Vinyl Tile (VCT), Replace	15	7	8	76200	SF	\$5.00	\$381,000							(\$381,000		
C2050 T	Throughout Building	8025301 Ceiling Finishes, any flat surface, Prep & Paint	10	5	5	25400	SF	\$2.00	\$50,800					\$50,800					
D1010 H	Hallways & Common Areas	7907448 Elevator Cab Finishes, Economy, Replace	10	7	3	1	EA	\$3,000.00	\$3,000			\$3,000							
D1010 H	Hallways & Common Areas	7907439 Elevator Cab Finishes, Economy, Replace	10	7	3	1	EA	\$3,000.00	\$3,000			\$3,000							
D1010 H	Hallways & Common Areas	7907452 Elevator Cab Finishes, Economy, Replace	10	5	5	1	EA	\$3,000.00	\$3,000					\$3,000					
D1010 U	Jtility Rooms/Areas	7907441 Elevator Controls, Automatic, 1 Car, Replace	20	10	10	3	EA	\$5,000.00	\$15,000										\$.
D1010 L	Jtility Rooms/Areas	7907430 Passenger Elevator, Hydraulic, 2 Floors, Renovate	30	15	15	3	EA	\$55,000.00	\$165,000										
D2010 N	Mechanical Room D-1-1	8025242 Water Heater, Electric, Commercial (180 kW), Replace	20	13	7	1	EA	\$70,000.00	\$70,000							\$70,000			
D2010 N	Mechanical Room	7907445 Water Heater, Electric, Commercial (120 kW), 131 to 250 GAL, Replace	20	10	10	1	EA	\$8,000.00	\$8,000										
D2010 N	Mechanical Room	7907402 Water Heater, Electric, Commercial (120 kW), 131 to 250 GAL, Replace	20	10	10	1	EA	\$8,000.00	\$8,000										(
D2010 N	Mechanical Room	7907388 Pump, Circulation/Booster, Domestic Water, Replace	25	12	13	1	EA	\$6,800.00	\$6,800										
D2010 L	Jtility Rooms/Areas	8025347 Water Heater, Electric, Commercial (12 kW), Replace	20	7	13	1	EA	\$12,400.00	\$12,400										
D2010 T	Throughout Building	8025256 Backflow Preventer, Domestic Water, Replace	30	20	10	1	EA	\$3,200.00	\$3,200										(
D2010 L	Jtility Rooms/Areas	8025372 Backflow Preventer, Domestic Water, Replace	30	15	15	1	EA	\$3,200.00	\$3,200										

Uniforma Code	t Location Description	ID	Cost Description	Lifespan (EUL)	EAge	RUL	Quantity	Unit	Unit Cost *	Subtotal 2024	2025 20	26	2027	2028	2029	2030	2031	2032	2033
D2010	Throughout Building	8025382	Plumbing System, Supply & Sanitary, Medium Density (excludes fixtures), Replace	40	20	20	141150	SF	\$11.00	\$1,552,650									
D2010	Restrooms	7907397	Shower, Valve & Showerhead, Replace	30	27	3	2	EA	\$800.00	\$1,600		\$	1,600						
D2010	Utility Rooms/Areas	790739	Sink/Lavatory, Service Sink, Floor, Replace	35	32	3	4	EA	\$800.00	\$3,200		\$3	3,200						
D2010	Restrooms	7907403	Urinal, Standard, Replace	30	20	10	17	EA	\$1,100.00	\$18,700									
D2010	Classrooms General	8025266	Emergency Plumbing Fixtures, Eye Wash & Shower Station, Replace	20	9	11	2	EA	\$2,300.00	\$4,600									
D2010	Throughout Building	7907417	Drinking Fountain, Wall-Mounted, Single-Level, Replace	15	3	12	22	EA	\$1,200.00	\$26,400									
D2010	Throughout Building	8025224	Drinking Fountain, Wall-Mounted, Single-Level, Replace	15	2	13	30	EA	\$1,200.00	\$36,000									
D2010	Restrooms	790742	Sink/Lavatory, Wall-Hung, Vitreous China, Replace	30	15	15	42	EA	\$1,500.00	\$63,000									
D2010	Utility Rooms/Areas	8025275	Sink/Lavatory, Service Sink, Floor, Replace	35	20	15	5	EA	\$800.00	\$4,000									
D2010	Classrooms Industrial Arts	802524	Sink/Lavatory, Service Sink, Laundry, Replace	30	15	15	3	EA	\$900.00	\$2,700									
D2010	Restrooms	7907382	Toilet, Commercial Water Closet, Replace	30	10	20	51	EA	\$1,300.00	\$66,300									
D2030	Roof	8025307	Supplemental Components, Drains, Roof, Replace	40	24	16	10	EA	\$797.00	\$7,970									
D2060	Mechanical Room	790740	Air Compressor, Tank-Style, Replace	20	10	10	1	EA	\$7,997.00	\$7,997									
D2060	Utility Rooms/Areas	8025297	Air Compressor, Tank-Style, Replace	20	10	10	1	EA	\$10,600.00	\$10,600									
D2060	Mechanical Room	8025380	Supplemental Components, Compressed Air Dryer, Process Support, Replace	20	10	10	1	EA	\$5,600.00	\$5,600									
D3020	Mechanical Room	790745	Boiler, Gas, HVAC, Replace	30	15	15	1	EA	\$60,400.00	\$60,400									
D3020	Mechanical Room	7907422	Boiler, Gas, HVAC, Replace	30	10	20	1	EA	\$270,000.00	\$270,000									
D3020	Mechanical Room	7907440	Unit Heater, Electric, 6 to 10 KW, Replace	20	17	3	1	EA	\$2,200.00	\$2,200		\$2	2,200						
D3020	Breezeways	8025354	Baseboard Heater, Electric, 6 LF, Replace	25	14	11	16	EA	\$260.00	\$4,160									
D3020	Mechanical Room	8025276	Boiler Supplemental Components, Chemical Feed System, Replace	15	8	7	1	EA	\$11,700.00	\$11,700							\$11,700		
D3020	Mechanical Room	802535	Boiler Supplemental Components, Expansion Tank, Replace	40	28	12	1	EA	\$32,400.00	\$32,400									
D3030	Kitchen Roof	8025228	Cooling Tower, (Typical) Open Circuit, Replace	25	18	7	1	EA	\$170,000.00	\$170,000						\$	170,000		
D3030	Kitchen Roof	8025293	Chiller, Air-Cooled, Replace	25	15	10	1	EA	\$240,000.00	\$240,000									
D3030	Mechanical Room	802522	Chiller, Water-Cooled, 201 to 250 TON, Replace	25	6	19	1	EA	\$250,000.00	\$250,000									
D3030	Roof	802531	Split System, Condensing Unit/Heat Pump, Replace	15	8	7	1	EA	\$4,000.00	\$4,000							\$4,000		
D3030	Roof D	8025346	Split System, Condensing Unit/Heat Pump, Replace	15	5	10	1	EA	\$4,000.00	\$4,000									
D3030	Roof	8025268	Split System, Condensing Unit/Heat Pump, Replace	15	5	10	1	EA	\$4,000.00	\$4,000									
D3030	Roof	8025300	Split System, Condensing Unit/Heat Pump, Replace	15	5	10	1	EA	\$4,000.00	\$4,000									
D3030	Roof D	8025360	Split System, Condensing Unit/Heat Pump, Replace	15	5	10	1	EA	\$4,000.00	\$4,000									
D3030	Roof D	8025238	Split System, Condensing Unit/Heat Pump, Replace	15	5	10	1	EA	\$4,000.00	\$4,000									
D3030	Roof D	802538	Split System, Condensing Unit/Heat Pump, Replace	15	5	10	1	EA	\$4,000.00	\$4,000									
D3030	Roof D	8025234	Split System, Condensing Unit/Heat Pump, Replace	15	5	10	1	EA	\$4,000.00	\$4,000									
D3030	Roof	8025359	Split System, Condensing Unit/Heat Pump, Replace	15	5	10	1	EA	\$4,000.00	\$4,000									
D3030	Roof	8025226	Split System, Condensing Unit/Heat Pump, Replace	15	5	10	1	EA	\$4,000.00	\$4,000									
D3030	Roof D	8025378	Split System, Condensing Unit/Heat Pump, Replace	15	5	10	1	EA	\$4,000.00	\$4,000									

Uniformat Code	t Location Description	ID Cost Description	Lifespan (EUL)	EAge	RUL	Quantity	/Unit	Unit Cost *	Subtotal	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
D3030	Roof D	8025314 Split System, Condensing Unit/Heat Pump, Replace	15	5	10	1	EA	\$4,000.00	\$4,000											•
D3030	Roof D	8025318 Split System, Condensing Unit/Heat Pump, Replace	15	5	10	1	EA	\$4,000.00	\$4,000											•
D3030	Roof D	8025253 Split System, Condensing Unit/Heat Pump, Replace	15	5	10	1	EA	\$4,000.00	\$4,000											•
D3030	Throughout Building	8025373 Unit Ventilator, approx/nominal 2 Ton, Replace	20	9	11	25	EA	\$7,400.00	\$185,000											
D3030	Classrooms General	8025283 Unit Ventilator, approx/nominal 2 Ton, Replace	20	5	15	10	EA	\$7,400.00	\$74,000											
D3050	Mechanical Room	7907442 Pump, Distribution, HVAC Heating Water, Replace	25	12	13	1	EA	\$22,000.00	\$22,000											
D3050	Mechanical Room	7907453 Pump, Distribution, HVAC Heating Water, Replace	25	12	13	1	EA	\$22,000.00	\$22,000											
D3050	Mechanical Room	7907443 Pump, Distribution, HVAC Chilled or Condenser Water, Replace	25	12	13	1	EA	\$14,960.00	\$14,960											
D3050	Throughout Building	8025362 HVAC System, Hydronic Piping, 2-Pipe, Replace	40	24	16	141150	SF	\$5.00	\$705,750											
D3050	Mechanical Room	8025213 Pump, Distribution, HVAC Chilled or Condenser Water, Replace	25	9	16	1	EA	\$13,600.00	\$13,600											
D3050	Mechanical Room	8025302 Pump, Distribution, HVAC Chilled or Condenser Water, Replace	25	9	16	1	EA	\$22,000.00	\$22,000)										
D3050	Mechanical Room	8025383 Pump, Distribution, HVAC Chilled or Condenser Water, Replace	25	9	16	1	EA	\$13,600.00	\$13,600)										
D3050	Roof D	8025377 Make-Up Air Unit, MUA or MAU, Replace	20	12	8	1	EA	\$35,000.00	\$35,000									\$35,000		
D3050	Mechanical Room	8025381 Air Handler, Interior AHU, Easy/Moderate Access, Replace	25	15	10	1	EA	\$22,000.00	\$22,000)										\$2
D3050	Roof	8025337 Packaged Unit, RTU, Pad or Roof-Mounted, Replace	20	10	10	1	EA	\$15,000.00	\$15,000											\$.
D3050	Roof	8025329 Packaged Unit, RTU, Pad or Roof-Mounted, Replace	20	10	10	1	EA	\$30,000.00	\$30,000)										\$:
D3050	Roof D	8025334 Packaged Unit, RTU, Pad or Roof-Mounted, Replace	20	10	10	1	EA	\$9,000.00	\$9,000)										•
D3050	Roof D	8025286 Packaged Unit, RTU, Pad or Roof-Mounted, Replace	20	10	10	1	EA	\$15,000.00	\$15,000)										\$.
D3050	Roof D	8025227 Packaged Unit, RTU, Pad or Roof-Mounted, Replace	20	10	10	1	EA	\$9,000.00	\$9,000)										•
D3050	Roof D	8025244 Packaged Unit, RTU, Pad or Roof-Mounted, Replace	20	10	10	1	EA	\$9,000.00	\$9,000)										•
D3050	Roof D	8025317 Packaged Unit, RTU, Pad or Roof-Mounted, Replace	20	10	10	1	EA	\$9,000.00	\$9,000)										•
D3050	Roof D	8025246 Packaged Unit, RTU, Pad or Roof-Mounted, Replace	20	10	10	1	EA	\$9,000.00	\$9,000											:
D3050	Roof	8025366 Packaged Unit, RTU, Pad or Roof-Mounted, Replace	20	10	10	1	EA	\$30,000.00	\$30,000											\$:
D3050	Roof	8025356 Packaged Unit, RTU, Pad or Roof-Mounted, Replace	20	10	10	1	EA	\$20,000.00	\$20,000											\$2
D3050	Roof D	8025325 Packaged Unit, RTU, Pad or Roof-Mounted, Replace	20	10	10	1	EA	\$15,000.00	\$15,000											\$
D3050	Roof	8025233 Packaged Unit, RTU, Pad or Roof-Mounted, Replace	20	10	10	1	EA	\$20,000.00	\$20,000											\$2
D3050	Roof D	8025319 Packaged Unit, RTU, Pad or Roof-Mounted, Replace	20	10	10	1	EA	\$15,000.00	\$15,000											\$.
D3050	Roof D	8025330 Packaged Unit, RTU, Pad or Roof-Mounted, Replace	20	10	10	1	EA	\$20,000.00	\$20,000)										\$2
D3050	Roof D	8025282 Packaged Unit, RTU, Pad or Roof-Mounted, Replace	20	10	10	1	EA	\$9,000.00	\$9,000											:
D3050	Roof D	8025316 Packaged Unit, RTU, Pad or Roof-Mounted, Replace	20	10	10	1	EA	\$9,000.00	\$9,000											•
D3050	Roof D	8025261 Packaged Unit, RTU, Pad or Roof-Mounted, Replace	20	10	10	1	EA	\$15,000.00	\$15,000											\$
D3050	Roof D	8025386 Packaged Unit, RTU, Pad or Roof-Mounted, Replace	20	10	10	1	EA	\$20,000.00	\$20,000											\$2
D3050	Roof D	8025332 Packaged Unit, RTU, Pad or Roof-Mounted, Replace	20	10	10	1	EA	\$15,000.00	\$15,000											\$
D3050	Roof D	8025365 Packaged Unit, RTU, Pad or Roof-Mounted, Replace	20	10	10	1	EA	\$15,000.00	\$15,000											\$.
D3050	Roof D	8025376 Packaged Unit, RTU, Pad or Roof-Mounted, Replace	20	10	10	1	EA	\$9,000.00	\$9,000											•

Uniformat Code	Location Description	ID Cost Description	Lifespan (EUL)	EAge	RUL	Quantity	Unit	Unit Cost *	Subtotal	2024 2)25	2026	2027	2028	2029	2030	2031	2032	2033	
D3050	Roof D	8025344 Packaged Unit, RTU, Pad or Roof-Mounted, Replace	20	10	10	1	EA	\$9,000.00	\$9,000											
D3050	Roof D	8025343 Packaged Unit, RTU, Pad or Roof-Mounted, Replace	20	10	10	1	EA	\$9,000.00	\$9,000											•
D3050	Roof	8025259 Packaged Unit, RTU, Pad or Roof-Mounted, Replace	20	10	10	1	EA	\$15,000.00	\$15,000											\$.
D3050	Custodial supply room	8025323 Air Handler, Interior AHU, Easy/Moderate Access, Replace	25	13	12	1	EA	\$15,000.00	\$15,000											
D3050	Custodial supply room	8025237 Air Handler, Interior AHU, Easy/Moderate Access, Replace	25	13	12	1	EA	\$15,000.00	\$15,000											
D3050	Mechanical Room C	8025288 Air Handler, Interior AHU, Easy/Moderate Access, Replace	30	15	15	1	EA	\$320,000.00	\$320,000											
D3050	Stage Area	8025295 Air Handler, Interior AHU, Easy/Moderate Access, Replace	30	15	15	1	EA	\$49,000.00	\$49,000											
D3050	Throughout Building	8025367 HVAC System, Ductwork, High Density, Replace	30	15	15	141150	SF	\$6.00	\$846,900											
D3060	Roof D	8025340 Exhaust Fan, Roof or Wall-Mounted, 16" Damper, Replace	20	17	3	3	EA	\$2,400.00	\$7,200				\$7,200							
D3060	Kitchen Roof	8025308 Exhaust Fan, Roof or Wall-Mounted, 28" Damper, Replace	20	13	7	1	EA	\$4,000.00	\$4,000								\$4,000			
D3060	Kitchen Roof	8025326 Exhaust Fan, Roof or Wall-Mounted, 28" Damper, Replace	20	13	7	1	EA	\$4,000.00	\$4,000								\$4,000			
D3060	Kitchen Roof	8025272 Exhaust Fan, Roof or Wall-Mounted, 28" Damper, Replace	20	13	7	1	EA	\$4,000.00	\$4,000								\$4,000			
D3060	Throughout Building	8025290 Exhaust Fan, Roof or Wall-Mounted, 28" Damper, Replace	20	13	7	1	EA	\$4,000.00	\$4,000								\$4,000			
D3060	Kitchen Roof	8025369 Exhaust Fan, Roof or Wall-Mounted, 28" Damper, Replace	20	13	7	1	EA	\$4,000.00	\$4,000								\$4,000			
D3060	Utility Rooms/Areas	7907390 Exhaust Fan, Centrifugal, 16" Damper, Replace	25	15	10	1	EA	\$2,400.00	\$2,400											(
D3060	Roof	8025375 Exhaust Fan, Roof or Wall-Mounted, 16" Damper, Replace	20	10	10	3	EA	\$2,400.00	\$7,200											:
D3060	Throughout Building	8025333 Exhaust Fan, Roof or Wall-Mounted, 10" Damper, Replace	20	10	10	15	EA	\$1,200.00	\$18,000											\$ ⁻
D3060	Roof	8025350 Exhaust Fan, Roof or Wall-Mounted, 24" Damper, Replace	20	10	10	1	EA	\$3,000.00	\$3,000											(
D3060	Roof	8025264 Exhaust Fan, Roof or Wall-Mounted, 16" Damper, Replace	20	10	10	3	EA	\$2,400.00	\$7,200											(
D4010	Throughout Building	8025345 Fire Suppression System, Existing Sprinkler Heads, by SF, Replace	25	15	10	141150	SF	\$1.07	\$151,031											\$1!
D4010	Utility Rooms/Areas	7907387 Supplemental Components, Fire Riser, Dry, Replace	40	30	10	1	EA	\$7,000.00	\$7,000											:
D4010	Throughout Building	8025260 Fire Suppression System, Full System Install/Retrofit, Medium Density/Complexity, Renovate	40	20	20	166500	SF	\$5.00	\$832,500											
D4030	Throughout Building	7907414 Fire Extinguisher, Type ABC, up to 20 LB, Replace	10	1	9	14	EA	\$150.00	\$2,100										\$2,100	
D5010	Building Exterior	8025358 Generator, Diesel, Replace	25	22	3	1	EA	\$40,000.00	\$40,000				\$40,000							
D5010	Mechanical Room	7907384 Automatic Transfer Switch, ATS, Replace	25	22	3	1	EA	\$15,000.00	\$15,000				\$15,000							
D5020	Custodial supply room	8025291 Secondary Transformer, Dry, Stepdown, Replace	30	27	3	1	EA	\$25,000.00	\$25,000				\$25,000							
D5020	Mechanical Room	7907404 Switchboard, 277/480 V, Replace	40	37	3	1	EA	\$90,000.00	\$90,000				\$90,000							
D5020	Classrooms General	8025230 Secondary Transformer, Dry, Stepdown, Replace	30	20	10	1	EA	\$6,000.00	\$6,000											(
D5020	Mechanical Room D-1-1	8025239 Secondary Transformer, Dry, Stepdown, Replace	30	20	10	1	EA	\$10,000.00	\$10,000											\$.
D5020	Electrical Room D	8025235 Secondary Transformer, Dry, Stepdown, Replace	30	20	10	1	EA	\$20,000.00	\$20,000											\$2
D5020	Building Exterior	7907396 Primary Transformer, Dry, Property-Owned, 500 KVA, Replace	30	20	10	1	EA	\$70,000.00	\$70,000											\$7
D5020	Mechanical Room	7907418 Secondary Transformer, Dry, Stepdown, Replace	30	20	10	1	EA	\$20,000.00	\$20,000											\$2
D5020	Utility Rooms/Areas	7907420 Secondary Transformer, Dry, Stepdown, Replace	30	20	10	1	EA	\$10,000.00	\$10,000											\$
D5020	Utility Rooms/Areas	7907408 Secondary Transformer, Dry, Stepdown, Replace	30	20	10	1	EA	\$10,000.00	\$10,000											\$
D5020	Mechanical Room	7907383 Secondary Transformer, Dry, Stepdown, Replace	30	20	10	1	EA	\$25,000.00	\$25,000											\$2

Uniforma Code	t Location Description	ID	Cost Description	Lifespan (EUL)	EAge	RUL	Quantity	Unit	Unit Cost *	Subtotal 2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
D5020	Electrical Room D	8025249	Switchboard, 277/480 V, Replace	40	29	11	1	EA	\$40,000.00	\$40,000									
D5020	Electrical Room D	8025328	Switchboard, 277/480 V, Replace	40	29	11	1	EA	\$40,000.00	\$40,000									
D5020	Mechanical Room	7907433	Switchboard, 277/480 V, Replace	40	28	12	1	EA	\$150,000.00	\$150,000									
D5020	Mechanical Room	790743	Switchboard, 277/480 V, Replace	40	28	12	1	EA	\$90,000.00	\$90,000									
D5020	Electrical Room	8025368	Secondary Transformer, Dry, Stepdown, Replace	30	15	15	1	EA	\$6,700.00	\$6,700									
D5020	Electrical Room D	8025324	Secondary Transformer, Dry, Stepdown, Replace	30	15	15	1	EA	\$7,600.00	\$7,600									
D5020	Electrical Room	8025370	Secondary Transformer, Dry, Stepdown, Replace	30	15	15	1	EA	\$6,700.00	\$6,700									
D5020	Electrical Room D upstairs	8025289	Secondary Transformer, Dry, Stepdown, Replace	30	15	15	1	EA	\$25,000.00	\$25,000									
D5020	Electrical Room	802526	Secondary Transformer, Dry, Stepdown, Replace	30	15	15	1	EA	\$10,000.00	\$10,000									
D5020	Electrical Room	8025336	Secondary Transformer, Dry, Stepdown, Replace	30	15	15	1	EA	\$6,700.00	\$6,700									
D5020	Main Entrance	802526	Secondary Transformer, Dry, Stepdown, Replace	30	15	15	1	EA	\$10,000.00	\$10,000									
D5020	Mechanical Room D-1-1	8025299	Switchboard, 277/480 V, Replace	40	25	15	1	EA	\$45,000.00	\$45,000									
D5020	Utility Rooms/Areas	7907449	Distribution Panel, 120/208 V, Replace	30	22	8	4	EA	\$2,000.00	\$8,000								\$8,000	
D5020	Electrical Room	8025338	Distribution Panel, 120/208 V, Replace	30	15	15	1	EA	\$6,000.00	\$6,000									
D5020	Electrical Room D upstairs	8025280	Distribution Panel, 120/240 V, Replace	30	15	15	1	EA	\$10,000.00	\$10,000									
D5020	Electrical Room	8025352	Distribution Panel, 120/208 V, Replace	30	15	15	1	EA	\$6,000.00	\$6,000									
D5020	Mechanical Room	790738	Distribution Panel, 277/480 V, Replace	30	15	15	2	EA	\$5,300.00	\$10,600									
D5030	Throughout Building	8025313	Electrical System, Wiring & Switches, High Density/Complexity, Replace	40	28	12	141150	SF	\$4.00	\$564,600									
D5030	Mechanical Room	8025363	Variable Frequency Drive, VFD, by HP of Motor, Replace/Install	20	6	14	1	EA	\$5,300.00	\$5,300									
D5030	Throughout Building	802536	Variable Frequency Drive, VFD, by HP of Motor, Replace/Install	20	4	16	1	EA	\$14,700.00	\$14,700									
D5030	Mechanical Room	8025236	Variable Frequency Drive, VFD, by HP of Motor, Replace/Install	20	3	17	1	EA	\$17,000.00	\$17,000									
D5040	Throughout Building	802530	Interior Lighting System, Full Upgrade, Medium Density & Standard Fixtures, Replace	20	10	10	141150	SF	\$4.50	\$635,175									
D5040	Mechanical Room	790740	Exterior Fixture w/ Lamp, any type, w/ LED Replacement, Replace	20	5	15	51	EA	\$600.00	\$30,600									
D6060	Main Building	8025243	Intercom/PA System, Intercom System Upgrade, Facility-Wide, Replace	20	13	7	150000	SF	\$1.50	\$225,000						\$	225,000		
D6060	Throughout Building	8025284	Intercom/PA System, Public Address Upgrade, School Stadium, Replace	20	1	19	1	EA	\$4,500.00	\$4,500									
D7010	Throughout Building	802537	Intrusion Detection System, Full Alarm System Renovation/Upgrade, Upgrade/Install	15	7	8	141150	SF	\$3.25	\$458,738								\$458,738	
D7010	Throughout Building	790738	Intrusion Detection System, Full Alarm System Renovation/Upgrade, Upgrade/Install	15	7	8	153098	SF	\$3.25	\$497,569								\$497,569	
D7030	Throughout Building	7907447	Security/Surveillance System, Full System Upgrade, Average Density, Replace	15	5	10	153098	SF	\$2.00	\$306,196									
D7050	Throughout Building	802532	Fire Alarm Panel, Multiplex, Replace	15	8	7	1	EA	\$4,000.00	\$4,000							\$4,000		
D7050	Throughout Building	790742	Fire Alarm Panel, Fully Addressable, Replace	15	8	7	1	EA	\$15,000.00	\$15,000							\$15,000		
D7050	Throughout Building	8025240	Fire Alarm System, Full System Upgrade, Simple Addressable, Upgrade/Install	20	9	11	141150	SF	\$2.00	\$282,300									
D7050	Throughout Building	790741	Fire Alarm System, Full System Upgrade, Standard Addressable, Upgrade/Install	20	5	15	153098	SF	\$3.00	\$459,294									
E1030	Kitchen	8025379	Foodservice Equipment, Steamer, Freestanding, Replace	10	5	5	1	EA	\$10,500.00	\$10,500					\$10,500				
E1030	Kitchen	8025263	Foodservice Equipment, Garbage Disposal, 1 to 3 HP, Replace	15	10	5	1	EA	\$3,800.00	\$3,800					\$3,800				
E1030	Kitchen	802532	Foodservice Equipment, Refrigerator, 2-Door Reach-In, Replace	15	10	5	1	EA	\$4,600.00	\$4,600					\$4,600				

Uniformat Code	Location Description	ID Cost Description	Lifespan (EUL)	EAge	RUL	Quantity	Unit	Unit Cost *	Subtotal	2024 202	5 202	6 2027	7 2028	2029	2030	2031	2032	2033	
E1030	Kitchen	8025292 Foodservice Equipment, Convection Oven, Single, Replace	10	5	5	1	EA	\$5,600.00	\$5,600					\$5,600					
E1030	Kitchen	8025269 Foodservice Equipment, Exhaust Hood, 3 to 6 LF, Replace	15	9	6	1	EA	\$3,300.00	\$3,300						\$3,300				
E1030	Kitchen	8025217 Foodservice Equipment, Exhaust Hood, 3 to 6 LF, Replace	15	9	6	1	EA	\$3,300.00	\$3,300						\$3,300				
E1030	Kitchen	8025348 Foodservice Equipment, Exhaust Hood, 3 to 6 LF, Replace	15	9	6	1	EA	\$3,300.00	\$3,300						\$3,300				
E1030	Kitchen	8025279 Foodservice Equipment, Exhaust Hood, 3 to 6 LF, Replace	15	9	6	1	EA	\$3,300.00	\$3,300						\$3,300				
E1030	Kitchen	8025219 Foodservice Equipment, Convection Oven, Double, Replace	10	4	6	1	EA	\$8,280.00	\$8,280						\$8,280				
E1030	Kitchen	8025241 Foodservice Equipment, Food Puree, Replace	10	3	7	1	EA	\$2,000.00	\$2,000							\$2,000			
E1030	Kitchen	8025220 Foodservice Equipment, Food Puree, Replace	10	3	7	1	EA	\$2,000.00	\$2,000							\$2,000			
E1030	Kitchen	8025214 Foodservice Equipment, Food Puree, Replace	10	3	7	1	EA	\$2,000.00	\$2,000							\$2,000			
E1030	Kitchen	8025270 Foodservice Equipment, Food Puree, Replace	10	3	7	1	EA	\$2,000.00	\$2,000							\$2,000			
E1030	Kitchen	8025252 Foodservice Equipment, Food Puree, Replace	10	3	7	1	EA	\$2,000.00	\$2,000							\$2,000			
E1030	Kitchen	8025248 Foodservice Equipment, Food Puree, Replace	10	3	7	1	EA	\$2,000.00	\$2,000							\$2,000			
E1030	Kitchen	8025225 Foodservice Equipment, Food Puree, Replace	10	3	7	1	EA	\$2,000.00	\$2,000							\$2,000			
E1030	Kitchen	8025294 Foodservice Equipment, Food Puree, Replace	10	3	7	1	EA	\$2,000.00	\$2,000							\$2,000			
E1030	Kitchen	8025271 Foodservice Equipment, Icemaker, Freestanding, Replace	15	8	7	1	EA	\$6,700.00	\$6,700							\$6,700			
E1030	Kitchen	8025255 Foodservice Equipment, Convection Oven, Double, Replace	10	3	7	1	EA	\$8,280.00	\$8,280							\$8,280			
E1030	Kitchen	8025222 Foodservice Equipment, Walk-In, Evaporator for Refigerator/Freezer, Replace	15	7	8	1	EA	\$4,600.00	\$4,600								\$4,600		
E1030	Kitchen	8025374 Foodservice Equipment, Freezer, 2-Door Reach-In, Replace	15	7	8	1	EA	\$5,100.00	\$5,100								\$5,100		
E1030	Kitchen	8025273 Foodservice Equipment, Freezer, 2-Door Reach-In, Replace	15	7	8	1	EA	\$5,100.00	\$5,100								\$5,100		
E1030	Kitchen	8025303 Foodservice Equipment, Dairy Cooler/Wells, Replace	15	7	8	1	EA	\$3,600.00	\$3,600								\$3,600		
E1030	Kitchen	8025306 Foodservice Equipment, Dairy Cooler/Wells, Replace	15	7	8	1	EA	\$3,600.00	\$3,600								\$3,600		
E1030	Kitchen	8025281 Foodservice Equipment, Food Warmer, Proofing Cabinet on Wheels, Replace	15	5	10	1	EA	\$1,700.00	\$1,700										:
E1030	Kitchen	8025364 Foodservice Equipment, Walk-In, Refrigerator, Replace	20	10	10	1	EA	\$15,000.00	\$15,000										\$.
E1030	Kitchen	8025353 Foodservice Equipment, Walk-In, Freezer, Replace	20	10	10	1	EA	\$25,000.00	\$25,000										\$2
E1030	Kitchen	8025342 Foodservice Equipment, Food Warmer, Proofing Cabinet on Wheels, Replace	15	5	10	1	EA	\$1,700.00	\$1,700										:
E1030	Kitchen	8025312 Foodservice Equipment, Refrigerator, 2-Door Reach-In, Replace	15	4	11	1	EA	\$4,600.00	\$4,600										
E1030	Kitchen	8025223 Foodservice Equipment, Steam Kettle, Replace	20	9	11	1	EA	\$30,000.00	\$30,000										
E1030	Kitchen	8025247 Foodservice Equipment, Dairy Cooler/Wells, Replace	15	1	14	1	EA	\$3,600.00	\$3,600										
E1030	Kitchen	8025296 Foodservice Equipment, Food Warmer, Proofing Cabinet on Wheels, Replace	15	1	14	1	EA	\$1,700.00	\$1,700										
E1030	Kitchen	8025218 Sink/Lavatory, Commercial Kitchen, 2-Bowl, Replace	30	15	15	1	EA	\$2,100.00	\$2,100										
E1030	Kitchen	8025339 Sink/Lavatory, Commercial Kitchen, 3-Bowl, Replace	30	15	15	2	EA	\$2,500.00	\$5,000										
E1040	Classrooms Art	8025349 Ceramics Equipment, Kiln, Replace	20	9	11	1	EA	\$3,200.00	\$3,200										
E1040	Classrooms Industrial Arts	8025262 Laboratory Equipment, Lab Sink, Epoxy Resin, Replace	30	15	15	48	EA	\$2,450.00	\$117,600										
E1070	Auditorium	7907389 Theater & Stage Equipment, Flameproof Curtain, Medium Weight Velour, Replace	15	10	5	2760	SF	\$15.00	\$41,400					\$41,400					
E2010	Classrooms Industrial Arts	8025287 Fixed Seating, Auditorium/Theater, Metal Cushioned Standard, Replace	20	10	10	85	EA	\$350.00	\$29,750										\$2

Uniformat Code	Location Description	ID	Cost Description	Lifespa (EUL)	n EAge	RUL	Quantity	Unit	Unit Cost * \$	Subtotal	2024 2	025 2026	5 2027	2028 202	9 2030) 2031 2032	2033
E2010	Auditorium	7907423	Fixed Seating, Auditorium/Theater, Metal Cushioned Standard, Replace	20	5	15	1600	EA	\$350.00	\$560,000							
G2020	Site	8025304	Parking Lots, Pavement, Asphalt, Seal & Stripe	5	3	2	200000	SF	\$0.45	\$90,000		\$90,000				\$90,000	
G2020	Site	8025258	Parking Lots, Pavement, Asphalt, Mill & Overlay	25	10	15	200000	SF	\$3.50	\$700,000							
G2050	Building Exterior	7907438	Play Structure, Multipurpose, Small, Replace	20	17	3	1	EA	\$10,000.00	\$10,000			\$10,000				
G2050	Building Exterior	7907437	Playfield Surfaces, Rubber, Poured-in-Place, Replace	20	17	3	600	SF	\$26.00	\$15,600			\$15,600				
G2060	Building Exterior	7907421	Picnic Table, Metal Powder-Coated, Replace	20	10	10	12	EA	\$700.00	\$8,400							
G2060	Building Exterior	7907399	Fences & Gates, Fence, Metal Tube 6', Replace	40	25	15	980	LF	\$40.00	\$39,200							
G4050	Site	8025232	Pole Light Fixture w/ Lamps, any type 30' High, w/ LED Replacement, Replace/Install	20	10	10	6	EA	\$7,000.00	\$42,000							\$4
G4050	Site Parking Areas	7907410	Pole Light Fixture w/ Lamps, any type 30' High, w/ LED Replacement, Replace/Install	20	5	15	26	EA	\$6,800.00	\$176,800							
Totals, Un	escalated										\$69,000	\$0 \$135,000	\$215,800	\$750 \$141,700	\$21,480	\$835,680 \$1,402,306	\$2,100 \$4,8
Totals, Es	calated (3.0% inflation, c	ompounde	ed annually)								\$69,000	\$0 \$143,222	\$235,810	\$844 \$164,269	\$25,648	\$1,027,781 \$1,776,399	\$2,740 \$6,5

Appendix G:
Equipment Inventory List



D10 Co	nveying											
ndex	ID	UFCode	Component Description	Attributes	Capacity	Building	Location Detail	Manufacturer	Model	Serial	Dataplate Yr Barcode	Qt
1	7907441	D1010	Elevator Controls	s Automatic, 1 Car		Whitehaven High School (w/CCTE) / Main Building	Utility Rooms/Areas					3
2	7907430	D1010	Passenger Elevator	Hydraulic, 2 Floors	2500 LB	Whitehaven High School (w/CCTE) / Main Building	Utility Rooms/Areas	ThyssenKrupp	No dataplate	No dataplate		3
D20 Plu	mbing											
Index	ID	UFCode	Component Description	Attributes	Capacity	Building	Location Detail	Manufacturer	Model	Serial	Dataplate Yr Barcode	Qt
1	7907388	D2010	Pump	Circulation/Booster, Domestic Water	10 HP	Whitehaven High School (w/CCTE) / Main Building	Mechanical Room	Bell & Gossett	5X5X9-3/4	VSC8-3/4BFLHR		
2	8025347	D2010	Water Heater	Electric, Commercial (12 kW)	50 GAL	Whitehaven High School (w/CCTE) / Main Building	Utility Rooms/Areas	A. O. Smith	DRE-52 100	1723106426996	2017	
3	7907445	D2010	Water Heater	Electric, Commercial (120 kW), 131 to 250 GAL	175 GAL	Whitehaven High School (w/CCTE) / Main Building	Mechanical Room	Rheem	ST175A	RR 0800E00867	2000	
4	7907402	D2010	Water Heater	Electric, Commercial (120 kW), 131 to 250 GAL	175 GAL	Whitehaven High School (w/CCTE) / Main Building	Mechanical Room	Rheem	ST175A	RR0901E00184	2007	
5	8025242	D2010	Water Heater	Electric, Commercial (180 kW)	400 GAL	Whitehaven High School (w/CCTE) / Main Building	Mechanical Room D-1-1	Underwriters Laboratories	90 N 400 AC	17729774	1997	
6	7907352	D2010	Water Heater	Electric, Residential	19 GAL	Whitehaven High School (w/CCTE) / Annex Building	Utility Rooms/Areas	Bradford White	RE120U6-1NAL	SM42657871		
7	8025256	D2010	Backflow Preventer	Domestic Water	2 IN	Whitehaven High School (w/CCTE) / Main Building	Throughout Building	Watts	909	297206	2000	

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Mechanical Mark Mechanical	
10 82529 2000 2000 2000 2000 2000 2000 2000	
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Page 1 Page 1 Page 2 Pa	
High School (wCCTE) Main Building Room Room Room Room Room Room Room Roo	Barcode Qty
Polymer Properties and Properties an	
Page 2014 Page 2018 Page 2014 Page 2	
High School (w/CCTE) / Rooms/Areas A. O. Smith HW-200M 102 1304M002777 Baseboard Heater Electric, 6 LF 1.5 KW Whitehaven High School (w/CCTE) / Main Building Rooms/Areas A. O. Smith HW-200M 102 1304M002777 No dataplate No dataplate No dataplate No dataplate No dataplate Inaccessible Inaccessible	
Baseboard Heater Electric, 6 LF 1.5 KW High School (w/CCTE) / Main Building Whitehaven High School (w/CCTE) / Mechanical (w/CCTE) / Room Breezeways No dataplate	
6 7907440 D3020 Unit Heater Electric, 6 to 10 KW 10 KW High School Mechanical (w/CCTE) / Room Dunham-Bush Inaccessible Inaccessible	16
Main Building	

Page	2005
High School (w/CCTE) / Main Building 8025276 D3020 Boiler Supplemental Components Expansion Tank Supplemental Components Expansion Tank Supplemental Components Expansion Tank Supplemental Components Whitehaven High School (w/CCTE) / Main Building Room Mechanical Room Daikin Industries WSC087LAY35R STNU180900174	
9 8025355 D3020 Supplemental Components Expansion Tank Solo GAL (w/CCTE) / Main Building Room Room Room Room Room Room Room Roo	1996
10 8025293 D3030 Chiller Air-Cooled 170 TON High School (w/CCTE) / Main Building Water-Cooled, 201 to 250 TON Mechanical Room Mechanical Room Daikin Industries WSC087LAY35R STNU180900174	
11 8025221 D3030 Chiller Water-Cooled, 201 to 200 TON High School Mechanical (w/CCTE) / Room Daikin Industries WSC087LAY35R STNU180900174	2007
	2018
Whitehaven 12 8025228 D3030 Cooling Tower (Typical) Open Circuit 500 TON High School (w/CCTE) / Main Building	2000
Whitehaven 13 7907372 D3030 Split System Condensing Unit/Heat Pump 1 TON High School (w/CCTE) / Annex Building Annex Building	
Whitehaven 14 7907377 D3030 Split System Fan Coil Unit, DX 1 TON High School Mechanical (w/CCTE) / Room Annex Building	
Whitehaven Split System [CU Condensing Unit/Heat 3 TON 1] Pump STON High School Roof D Lennox SSB036H4S446 5810F06372 Main Building SSB036H4S446 SSB036H4S46 SSB036H4S	2010
Whitehaven Split System [CU Condensing Unit/Heat 3 TON TON Condensing Unit/Heat 3	2010
Whitehaven Split System [CU Condensing Unit/Heat 3 TON TON Condensing Unit/Heat 3	2010

8025360	D3030	Split System [CU 2]	Condensing Unit/Heat Pump	3 TON	Whitehaven High School (w/CCTE) / Main Building	Roof D	Lennox	SSB036H4S446	5810F01539	2010
8025238	D3030	Split System [CU 2]	Condensing Unit/Heat Pump	3 TON	Whitehaven High School (w/CCTE) / Main Building	Roof D	Lennox	SSB036H4S44GWA	5810F01657	2010
8025314	D3030	Split System [CU 3]	Condensing Unit/Heat Pump	3 TON	Whitehaven High School (w/CCTE) / Main Building	Roof D	Lennox	SSB036H4844G	5810F01540	2010
8025311	D3030	Split System [CU 3]	Condensing Unit/Heat Pump	3 TON	Whitehaven High School (w/CCTE) / Main Building	Roof	Lennox	SSB036H4S44G	5810E01655	2010
8025253	D3030	Split System [CU 4]	Condensing Unit/Heat Pump	3 TON	Whitehaven High School (w/CCTE) / Main Building	Roof D	Lennox	SSB036H4S44G	5810E01662	2010
8025300	D3030	Split System [CU 4]	Condensing Unit/Heat Pump	3 TON	Whitehaven High School (w/CCTE) / Main Building	Roof	Lennox	SSB036H4S44G	5810F01536	2010
8025234	D3030	Split System [CU 4]	Condensing Unit/Heat Pump	3 TON	Whitehaven High School (w/CCTE) / Main Building	Roof D	Lennox	SSB036HASZ0	5810F0154	2010
8025318	D3030	Split System [CU 5]	Condensing Unit/Heat Pump	3 TON	Whitehaven High School (w/CCTE) / Main Building	Roof D	Lennox	SSB036H4844G	5809F06489	2009
8025226	D3030	Split System [CU 5]	Condensing Unit/Heat Pump	3 TON	Whitehaven High School (w/CCTE) / Main Building	Roof	Lennox	SSB036H4S44G	5810F06380	2010
8025268	D3030	Split System [CU-	- Condensing Unit/Heat Pump	3 TON	Whitehaven High School (w/CCTE) / Main Building	Roof	Lennox	3SBJ36H4S.146	5810F0153	2010
8025385	D3030			3 TON	Whitehaven High School (w/CCTE) / Main Building	Roof D	Lennox	SSB036H4S44G	5810E01661	2010
	8025238 8025314 8025311 8025253 8025234 8025234 8025234 8025268	8025238 D3030 8025314 D3030 8025311 D3030 8025253 D3030 8025234 D3030 8025234 D3030 8025234 D3030	8025380 D3030 2] 8025238 D3030 Split System [CU 2] 8025314 D3030 Split System [CU 3] 8025311 D3030 Split System [CU 4] 8025253 D3030 Split System [CU 4] 8025300 D3030 Split System [CU 4] 8025234 D3030 Split System [CU 5] 8025318 D3030 Split System [CU 5] 8025226 D3030 Split System [CU 5] 8025268 D3030 Split System [CU 1] 8025385 D3030 Split System [CU 1] 8025385 D3030 Split System [PL	Split System [CU Condensing Unit/Heat	Split System [CU Condensing Unit/Heat 3 TON	South South South South South South South Substant Cu Condensing Unit/Heat Stone High School (w/CCTE) / Main Building Whitehaven High School (w/CC				

8025373	D3030	Unit Ventilator	approx/nominal 2 Ton	500 CFM	Whitehaven High School (w/CCTE) / Main Building	Throughout Building	McQuay	No dataplate	No dataplate	2015	25
8025283	D3030	Unit Ventilator	approx/nominal 2 Ton	500 CFM	Whitehaven High School (w/CCTE) / Main Building	Classrooms General	Inaccessible	Inaccessible	Inaccessible	2019	10
8025213	D3050	Pump	Distribution, HVAC Chilled or Condenser Water	20 HP	Whitehaven High School (w/CCTE) / Main Building	Mechanical Room	Marathon	EVE 256TTDX4026AD L	No dataplate	2015	
8025302	D3050	Pump	Distribution, HVAC Chilled or Condenser Water	40 HP	Whitehaven High School (w/CCTE) / Main Building	Mechanical Room	Marathon	TVL 324TTDBD6026- 000012 AAI	No dataplate	2015	
8025383	D3050	Pump	Distribution, HVAC Chilled or Condenser Water	20 HP	Whitehaven High School (w/CCTE) / Main Building	Mechanical Room	Marathon	EVE 256TTDX4026AD L F	H No dataplate	2015	
7907443	D3050	Pump	Distribution, HVAC Chilled or Condenser Water	15 HP	Whitehaven High School (w/CCTE) / Main Building	Mechanical Room	Marathon	TVL.254TTDBD6026- 000014 AA I	C271521-01L81		
7907442	D3050	Pump	Distribution, HVAC Heating Water	40 HP	Whitehaven High School (w/CCTE) / Main Building	Mechanical Room	Marathon	TVL324TTDBD6026- 000011 AA	C271520-01L81		
7907453	D3050	Pump	Distribution, HVAC Heating Water	40 HP	Whitehaven High School (w/CCTE) / Main Building	Mechanical Room	Marathon	TVL324TTDBD6026- 000011 AA	C271519-01L81		
8025237	D3050	Air Handler	Interior AHU, Easy/Moderate Access	2400 CFM	Whitehaven High School (w/CCTE) / Main Building	Custodial supply room	McQuay	Inaccessible	Inaccessible	2011	
8025381	D3050	Air Handler	Interior AHU, Easy/Moderate Access	4000 CFM	Whitehaven High School (w/CCTE) / Main Building	Mechanical Room	McQuay	Inaccessible	Inaccessible	2005	
8025288	D3050	Air Handler [AHU-1]	Interior AHU, Easy/Moderate Access	68000 CFM	Whitehaven High School (w/CCTE) / Main Building	Mechanical Room C	McQuay	LSL172DH	96J0069100	1996	
	8025283 8025213 8025302 8025383 7907443 7907442 7907453 8025237	8025283 D3030 8025213 D3050 8025302 D3050 8025383 D3050 7907443 D3050 7907442 D3050 7907453 D3050 8025237 D3050 8025381 D3050	8025283 D3030 Unit Ventilator 8025213 D3050 Pump 8025302 D3050 Pump 8025383 D3050 Pump 7907443 D3050 Pump 7907442 D3050 Pump 8025237 D3050 Pump 8025381 D3050 Air Handler 8025288 D3050 Air Handler	8025283 D3030 Unit Ventilator approx/nominal 2 Ton 8025213 D3050 Pump Distribution, HVAC Chilled or Condenser Water 8025302 D3050 Pump Distribution, HVAC Chilled or Condenser Water 8025383 D3050 Pump Distribution, HVAC Chilled or Condenser Water 7907443 D3050 Pump Distribution, HVAC Chilled or Condenser Water 7907442 D3050 Pump Distribution, HVAC Heating Water 7907453 D3050 Pump Distribution, HVAC Heating Water 8025237 D3050 Air Handler Interior AHU, Easy/Moderate Access 8025381 D3050 Air Handler Interior AHU, Easy/Moderate Access	8025283 D3030 Unit Ventilator approx/nominal 2 Ton 500 CFM 8025213 D3050 Pump Distribution, HVAC Chilled or Condenser Water 20 HP 8025302 D3050 Pump Distribution, HVAC Chilled or Condenser Water 40 HP 8025383 D3050 Pump Distribution, HVAC Chilled or Condenser Water 20 HP 7907443 D3050 Pump Distribution, HVAC Chilled or Condenser Water 15 HP 7907442 D3050 Pump Distribution, HVAC Heating Water 40 HP 7907453 D3050 Pump Distribution, HVAC Heating Water 40 HP 8025237 D3050 Air Handler Interior AHU, Easy/Moderate Access 2400 CFM 8025381 D3050 Air Handler Interior AHU, Easy/Moderate Access 4000 CFM	B025373 D3030 Unit Ventilator approx/nominal 2 Ton 500 CFM High School (w/CCTE) / Main Building Whitehaven High School (w/CCTE) / Whitehaven High School (w/CCTE) / Whitehaven High School (w/CCTE) / Whitehaven H	B025373 D3030 Unit Ventilator approx/nominal 2 Ton 500 CFM High School (wrCCTE) / Bullding Bullding Bullding Whitehaven High School (wrCCTE) / Main Bullding Room	Post Post	Post		

40	8025295	D3050	Air Handler [AHU-2]	Interior AHU, Easy/Moderate Access	10000 CFM	Whitehaven High School (w/CCTE) / Main Building	Stage Area	McQuay	LSLI11CV	36H00 768-06	1996
41	8025323	D3050	Air Handler [AHU-3]	Interior AHU, Easy/Moderate Access	2400 CFM	Whitehaven High School (w/CCTE) / Main Building	Custodial supply room	McQuay	Inaccessible	Inaccessible	2011
42	8025377	D3050	Make-Up Air Unit	MUA or MAU	2000 CFM	Whitehaven High School (w/CCTE) / Main Building	Roof D	Greenheck	Illegible	Illegible	2010
43	8026544	D3050	Packaged Unit	RTU, Pad or Roof- Mounted, 4 TON	4 TON	Whitehaven High School (w/CCTE) / Gymnasium		Inaccessible	Inaccessible	Inaccessible	2017
44	8026543	D3050	Packaged Unit	RTU, Pad or Roof- Mounted, 4 TON	4 TON	Whitehaven High School (w/CCTE) / Gymnasium		Inaccessible	Inaccessible	Inaccessible	2017
45	7907353	D3050	Packaged Unit	RTU, Pad or Roof- Mounted	4 TON	Whitehaven High School (w/CCTE) / Annex Building	Building Exterior	Lennox	LGH048H4EB4G	5619B03506	
46	8025244	D3050	Packaged Unit	RTU, Pad or Roof- Mounted	4 TON	Whitehaven High School (w/CCTE) / Main Building	Roof D	Lennox	LGH048H4EM1G	5611F08236	2011
47	8025317	D3050	Packaged Unit	RTU, Pad or Roof- Mounted	4 TON	Whitehaven High School (w/CCTE) / Main Building	Roof D	Carrier	48PGLC05-A-6002302	0309650045	2009
48	8025366	D3050	Packaged Unit	RTU, Pad or Roof- Mounted	15 TON	Whitehaven High School (w/CCTE) / Main Building	Roof	Lennox	LGH180H4BH2G	5611F08453	2011
49	8025337	D3050	Packaged Unit	RTU, Pad or Roof- Mounted	6 TON	Whitehaven High School (w/CCTE) / Main Building	Roof	Lennox	LGH072H4BM1G	5611F08241	2011
50	8025329	D3050	Packaged Unit	RTU, Pad or Roof- Mounted	15 TON	Whitehaven High School (w/CCTE) / Main Building	Roof	Lennox	:LGH180H4BH2G	5611F08454	2011

51	8025356	D3050	Packaged Unit	RTU, Pad or Roof- Mounted	8.5 TON	Whitehaven High School (w/CCTE) / Main Building	Roof	Lennox	LGH102H4BM1G	5611F07524	2011
52	8025233	D3050	Packaged Unit	RTU, Pad or Roof- Mounted	10 TON	Whitehaven High School (w/CCTE) / Main Building	Roof	Lennox	LGH120H4BM2G	5611F07521	2011
53	7907356	D3050	Packaged Unit	RTU, Pad or Roof- Mounted	4 TON	Whitehaven High School (w/CCTE) / Annex Building	Building Exterior	Lennox	LGH048H4EB4G	5619B03578	2019
54	8025282	D3050	Packaged Unit	RTU, Pad or Roof- Mounted	4 TON	Whitehaven High School (w/CCTE) / Main Building	Roof D	Carrier	48PGLC05-A-6002302	0309G50044	2009
55	8025344	D3050	Packaged Unit	RTU, Pad or Roof- Mounted	4 TON	Whitehaven High School (w/CCTE) / Main Building	Roof D	Carrier	48PGLC05-A-6002302	Illegible	2009
56	7907354	D3050	Packaged Unit	RTU, Pad or Roof- Mounted	4 TON	Whitehaven High School (w/CCTE) / Annex Building	Building Exterior	Lennox	LGH048H4EB4G	5619B03580	
57	8025259	D3050	Packaged Unit	RTU, Pad or Roof- Mounted	6 TON	Whitehaven High School (w/CCTE) / Main Building	Roof	Lennox	LGH072H4BM1G	5611F08239	2011
58	7907364	D3050	Packaged Unit	RTU, Pad or Roof- Mounted, 3 TON	3 TON	Whitehaven High School (w/CCTE) / Annex Building	Building Exterior	Lennox	LGH048H4EB4G	5619B03802	
59	8025334	D3050	Packaged Unit [RTU 1]	RTU, Pad or Roof- Mounted	4 TON	Whitehaven High School (w/CCTE) / Main Building	Roof D	Lennox	LGH048H4EM1G	5611F08234	2011
60	8025286	D3050	Packaged Unit [RTU 10]	RTU, Pad or Roof- Mounted	7.5 TON	Whitehaven High School (w/CCTE) / Main Building	Roof D	Lennox	LGH092H4BM1G	5611F07520	2011
61	8025332	D3050	Packaged Unit [RTU 11]	RTU, Pad or Roof- Mounted	7.5 TON	Whitehaven High School (w/CCTE) / Main Building	Roof D	Lennox	LGH092H4BM1G	5611F07519	2011

62	8025319	D3050	Packaged Unit [RTU 12]	RTU, Pad or Roof- Mounted	6 TON	Whitehaven High School (w/CCTE) / Main Building	Roof D	Lennox	LGH072H4BM1G	5611F08242	2011
63	8025386	D3050	Packaged Unit [RTU 5]	RTU, Pad or Roof- Mounted	8.5 TON	Whitehaven High School (w/CCTE) / Main Building	Roof D	Lennox	LGH102H4BM1G	5611F07523	2011
64	8025330	D3050	Packaged Unit [RTU 6]	RTU, Pad or Roof- Mounted	8.5 TON	Whitehaven High School (w/CCTE) / Main Building	Roof D	Lennox	LGH102H4BM1G	5611F07522	2011
65	8025261	D3050	Packaged Unit [RTU 7]	RTU, Pad or Roof- Mounted	6 TON	Whitehaven High School (w/CCTE) / Main Building	Roof D	Lennox	LGH072H4BM1G	5611F08240	2011
66	8025365	D3050	Packaged Unit [RTU 8]	RTU, Pad or Roof- Mounted	6 TON	Whitehaven High School (w/CCTE) / Main Building	Roof D	Lennox	LGH072H4BM1G	5611F08238	2011
67	8025325	D3050	Packaged Unit [RTU 9]	RTU, Pad or Roof- Mounted	6 TON	Whitehaven High School (w/CCTE) / Main Building	Roof D	Lennox	LGH072H4BM1G	5611F08237	2011
68	8025316	D3050	Packaged Unit [RTU-#3]	RTU, Pad or Roof- Mounted	4 TON	Whitehaven High School (w/CCTE) / Main Building	Roof D	Carrier	48PGLC05-A-6002302	0309650042	2009
69	8025343	D3050	Packaged Unit [RTU-2]	RTU, Pad or Roof- Mounted	4 TON	Whitehaven High School (w/CCTE) / Main Building	Roof D	Lennox	LGH048H4EM1G	5611F08233	2011
70	8025227	D3050	Packaged Unit [RTU-4]	RTU, Pad or Roof- Mounted	4 TON	Whitehaven High School (w/CCTE) / Main Building	Roof D	Lennox	LGH048H4EM1G	5611F08235	2011
71	8025376	D3050	Packaged Unit [RTU-4]	RTU, Pad or Roof- Mounted	4 TON	Whitehaven High School (w/CCTE) / Main Building	Roof D	Carrier	48PGLC05-A-6002302	0309650043	2009
72	8025246	D3050	Packaged Unit [RTU-5]	RTU, Pad or Roof- Mounted	4 TON	Whitehaven High School (w/CCTE) / Main Building	Roof D	Carrier	48PGLC05-A-6002302	0309G50046	2009

73	7907346	D3060	Exhaust Fan	Centrifugal, 12" Damper	100 CFM	Whitehaven High School (w/CCTE) / Annex Building	Restrooms	Inaccessible	Inaccessible	Inaccessible		2
74	7907390	D3060	Exhaust Fan	Centrifugal, 16" Damper	1000 CFM	Whitehaven High School (w/CCTE) / Main Building	Utility Rooms/Areas	Greenheck	EF 10	457135		
75	8025333	D3060	Exhaust Fan	Roof or Wall-Mounted, 10" Damper	500 CFM	Whitehaven High School (w/CCTE) / Main Building	Throughout Building	No dataplate	No dataplate	No dataplate	1995	15
76	8025340	D3060	Exhaust Fan	Roof or Wall-Mounted, 16" Damper	2000 CFM	Whitehaven High School (w/CCTE) / Main Building	Roof D	Cook	150 AGE 150CIID	223S930939-00/0025901	2007	3
77	8025375	D3060	Exhaust Fan	Roof or Wall-Mounted, 16" Damper	2000 CFM	Whitehaven High School (w/CCTE) / Main Building	Roof	Cook	150 ACE150C5B	2238930939-00/0030301	1995	3
78	8025264	D3060	Exhaust Fan	Roof or Wall-Mounted, 16" Damper	2000 CFM	Whitehaven High School (w/CCTE) / Main Building	Roof	Illegible	TXBICI0	B13511	1996	3
79	8025350	D3060	Exhaust Fan	Roof or Wall-Mounted, 24" Damper	5000 CFM	Whitehaven High School (w/CCTE) / Main Building	Roof	No dataplate	No dataplate	No dataplate	2000	
80	8025308	D3060	Exhaust Fan	Roof or Wall-Mounted, 28" Damper	5000 CFM	Whitehaven High School (w/CCTE) / Main Building	Kitchen Roof	JennAir	243	No dataplate	2007	
81	8025326	D3060	Exhaust Fan	Roof or Wall-Mounted, 28" Damper	5000 CFM	Whitehaven High School (w/CCTE) / Main Building	Kitchen Roof	JennAir	243	No dataplate	2007	
82	8025272	D3060	Exhaust Fan	Roof or Wall-Mounted, 28" Damper	5000 CFM	Whitehaven High School (w/CCTE) / Main Building	Kitchen Roof	No dataplate	No dataplate	No dataplate	1995	
83	8025369	D3060	Exhaust Fan	Roof or Wall-Mounted, 28" Damper	5000 CFM	Whitehaven High School (w/CCTE) / Main Building	Kitchen Roof	JennAir	243	No dataplate	2007	

84	8025290	D3060	Exhaust Fan	Roof or Wall-Mounted, 28" Damper	5000 CFM	Whitehaven High School (w/CCTE) / Main Building	Throughout Building	JennAir	243	No dataplate	2007	
D40 Fire	e Protection											
Index	ID	UFCode	Component Description	Attributes	Capacity	Building	Location Detail	Manufacturer	Model	Serial	Dataplate Yr Barcode	Qty
1	7907414	D4030	Fire Extinguisher	Type ABC, up to 20 LB		Whitehaven High School (w/CCTE) / Main Building	Throughout Building				2024	14
D50 Ele	ctrical											
Index	ID	UFCode	Component Description	Attributes	Capacity	Building	Location Detail	Manufacturer	Model	Serial	Dataplate Yr Barcode	Qty
1	8025358	D5010	Generator	Diesel	35 KW	Whitehaven High School (w/CCTE) / Main Building	Building Exterior	Onan	No dataplate	No dataplate		
2	7907384	D5010	Automatic Transfer Switch	ATS	200 AMP	Whitehaven High School (w/CCTE) / Main Building	Mechanical Room	Onan	LTDU60-4X/1591E	09748645338		
3	7907396	D5020	Primary Transformer	Dry, Property-Owned, 500 KVA		Whitehaven High School (w/CCTE) / Main Building	Building Exterior	Inaccessible	Inaccessible	Inaccessible		
4	8025370	D5020	Secondary Transformer	Dry, Stepdown	30 KVA	Whitehaven High School (w/CCTE) / Main Building	Electrical Room	Westinghouse	N481128F30A	J96 H1484	1996	
5	7907383	D5020	Secondary Transformer	Dry, Stepdown	225 KVA	Whitehaven High School (w/CCTE) / Main Building	Mechanical Room	GE	9123-83877	No dataplate		
6	8025291	D5020	Secondary Transformer	Dry, Stepdown	225 KVA	Whitehaven High School (w/CCTE) / Main Building	Custodial supply room	Illegible	Illegible	Illegible	1995	
7	8025368	D5020	Secondary Transformer	Dry, Stepdown	45 KVA	Whitehaven High School (w/CCTE) / Main Building	Electrical Room	Westinghouse	04808F45R	J96 82835	1996	

8	8025324	D5020	Secondary Transformer	Dry, Stepdown	150 KVA	Whitehaven High School (w/CCTE) / Main Building	Electrical Room D	Federal Pacific	No dataplate	28223-036	1995
9	7907408	D5020	Secondary Transformer	Dry, Stepdown	75 KVA	Whitehaven High School (w/CCTE) / Main Building	Utility Rooms/Areas	Federal Pacific	No dataplate	29002-004	
10	7907420	D5020	Secondary Transformer	Dry, Stepdown	75 KVA	Whitehaven High School (w/CCTE) / Main Building	Utility Rooms/Areas	Federal Pacific	No dataplate	27942-005	
11	8025289	D5020	Secondary Transformer	Dry, Stepdown	225 KVA	Whitehaven High School (w/CCTE) / Main Building	Electrical Room D upstairs	FPE	Illegible	Illegible	1995
12	8025230	D5020	Secondary Transformer	Dry, Stepdown	15 KVA	Whitehaven High School (w/CCTE) / Main Building	Classrooms General	Inaccessible	Inaccessible	Inaccessible	1995
13	8025336	D5020	Secondary Transformer	Dry, Stepdown	30 KVA	Whitehaven High School (w/CCTE) / Main Building	Electrical Room	Westinghouse	J96 E0282	U3005 1	1996
14	8025265	D5020	Secondary Transformer	Dry, Stepdown	75 KVA	Whitehaven High School (w/CCTE) / Main Building	Main Entrance	General Electric	9T23 8 3874	No dataplate	1995
15	8025267	D5020	Secondary Transformer	Dry, Stepdown	75 KVA	Whitehaven High School (w/CCTE) / Main Building	Electrical Room	Westinghouse	043M28F75R	J96 C0829	1996
16	7907418	D5020	Secondary Transformer	Dry, Stepdown	150 KVA	Whitehaven High School (w/CCTE) / Main Building	Mechanical Room	Challenger	113-415	No dataplate	
17	7907349	D5020	Secondary Transformer	Dry, Stepdown	75 KVA	Whitehaven High School (w/CCTE) / Annex Building	Mechanical Room	GE	9T10A1004	1M0003B9B	2016
18	8025239	D5020	Secondary Transformer	Dry, Stepdown	75 KVA	Whitehaven High School (w/CCTE) / Main Building	Mechanical Room D-1-1	Federal Pacific	No dataplate	28062-024	1995

19	8025235	D5020	Secondary Transformer	Dry, Stepdown	150 KVA	Whitehaven High School (w/CCTE) / Main Building	Electrical Room D	Federal Pacific	No dataplate	28074-018	1995	
20	8025299	D5020	Switchboard	277/480 V	800 AMP	Whitehaven High School (w/CCTE) / Main Building	Mechanical Room D-1-1	FPE	No dataplate	No dataplate	1995	
21	7907431	D5020	Switchboard	277/480 V	2000 AMP	Whitehaven High School (w/CCTE) / Main Building	Mechanical Room	Cutler-Hammer	'HMH-07591	No dataplate	1996	
22	7907404	D5020	Switchboard	277/480 V	2000 AMP	Whitehaven High School (w/CCTE) / Main Building	Mechanical Room	GE	No dataplate	No dataplate		
23	7907433	D5020	Switchboard	277/480 V	4000 AMP	Whitehaven High School (w/CCTE) / Main Building	Mechanical Room	GE	AV-Line	No dataplate	1996	
24	8025328	D5020	Switchboard [PANEL D PM]	277/480 V	600 AMP	Whitehaven High School (w/CCTE) / Main Building	Electrical Room D	Federal Pacific	No dataplate	No dataplate	1995	
25	8025249	D5020	Switchboard [PANEL DPC]	277/480 V	600 AMP	Whitehaven High School (w/CCTE) / Main Building	Electrical Room D	Federal Pacific	No dataplate	No dataplate	1995	
26	8025338	D5020	Distribution Panel	120/208 V	400 AMP	Whitehaven High School (w/CCTE) / Main Building	Electrical Room	Cutler-Hammer	No dataplate	No dataplate	1996	
27	7907248	D5020	Distribution Panel	120/208 V	400 AMP	Whitehaven High School (w/CCTE) / Gymnasium	Utility Rooms/Areas	Westinghouse	No dataplate	No dataplate		
28	7907368	D5020	Distribution Panel	120/208 V	225 AMP	Whitehaven High School (w/CCTE) / Annex Building	Mechanical Room	Inaccessible	Inaccessible	Inaccessible		2
29	7907449	D5020	Distribution Panel	120/208 V	200 AMP	Whitehaven High School (w/CCTE) / Main Building	Utility Rooms/Areas	Federal Pacific	NBLP	BM-107316		4

30	8025352	D5020	Distribution Panel	120/208 V	400 AMP	Whitehaven High School (w/CCTE) / Main Building	Electrical Room	Cutler-Hammer	No dataplate	No dataplate	1996	
31	7907385	D5020	Distribution Panel	277/480 V	400 AMP	Whitehaven High School (w/CCTE) / Main Building	Mechanical Room	Cutler-Hammer	PRL3A	No dataplate		2
32	8025280	D5020	Distribution Panel [PANEL DPB]	120/240 V	800 AMP	Whitehaven High School (w/CCTE) / Main Building	Electrical Room D upstairs	FPE	No dataplate	No dataplate	1995	
33	8025363	D5030	Variable Frequency Drive	VFD, by HP of Motor	5 HP	Whitehaven High School (w/CCTE) / Main Building	Mechanical Room	Emerson	No dataplate	No dataplate	2018	
34	8025236	D5030	Variable Frequency Drive	VFD, by HP of Motor	40 HP	Whitehaven High School (w/CCTE) / Main Building	Mechanical Room	ABB	ACH580-VCR-052A- 4+F267	N2212706397	2021	
35	8025361	D5030	Variable Frequency Drive	VFD, by HP of Motor	30 HP	Whitehaven High School (w/CCTE) / Main Building	Throughout Building	ABB	ACH550-VCR-045A- 4+F267	2201100143	2020	
36	7907251	D5040	Standard Fixture w/ Lamp	e any type, w/ LED Replacement	250 W	Whitehaven High School (w/CCTE) / Gymnasium	Gymnasium					42
D70 Ele	ctronic Safet	ty & Security	,									
Index	ID	UFCode	Component Description	Attributes	Capacity	Building	Location Detail	Manufacturer	Model	Serial	Dataplate Yr Barcode	Qty
1	7907361	D7050	Fire Alarm Panel	Fully Addressable		Whitehaven High School (w/CCTE) / Annex Building	Mechanical Room					
2	7907427	D7050	Fire Alarm Panel	Fully Addressable		Whitehaven High School (w/CCTE) / Main Building	Throughout Building	Honeywell	ONYX® NFS2- 3030(E)/NFS2- 640(E)/NFS-320SYS(E)	No dataplate		
3	8025321	D7050	Fire Alarm Panel	Multiplex		Whitehaven High School (w/CCTE) / Main Building	Throughout Building	Honeywell	No dataplate	No dataplate	2015	
E10 Equ	uipment											

Index	ID	UFCode	Component Description	Attributes	Capacity	Building	Location Detail	Manufacturer	Model	Serial	Dataplate Yr Barcode Qty
1	8025255	E1030	Foodservice Equipment	Convection Oven, Double		Whitehaven High School (w/CCTE) / Main Building	Kitchen	Duke Manufacturing	Illegible	Illegible	2015
2	8025219	E1030	Foodservice Equipment	Convection Oven, Double		Whitehaven High School (w/CCTE) / Main Building	Kitchen	Duke Manufacturing	No dataplate	20AJABU114	2015
3	8025292	E1030	Foodservice Equipment	Convection Oven, Single		Whitehaven High School (w/CCTE) / Main Building	Kitchen	Duke Manufacturing	E101-EV	03170726	2015
1	8025247	E1030	Foodservice Equipment	Dairy Cooler/Wells		Whitehaven High School (w/CCTE) / Main Building	Kitchen	ARES	AMC-5801	AMC- 5801AUS1C00023061500C40012	2023
5	8025303	E1030	Foodservice Equipment	Dairy Cooler/Wells		Whitehaven High School (w/CCTE) / Main Building	Kitchen	Nor-Lake	AR164WVS/0-A	17090132	2015
5	8025306	E1030	Foodservice Equipment	Dairy Cooler/Wells		Whitehaven High School (w/CCTE) / Main Building	Kitchen	Continental	MC5-DCW	15285906	2015
7	8025269	E1030	Foodservice Equipment	Exhaust Hood, 3 to 6 LF		Whitehaven High School (w/CCTE) / Main Building	Kitchen	Jal zinc	Illegible	Illegible	2015
}	8025217	E1030	Foodservice Equipment	Exhaust Hood, 3 to 6 LF		Whitehaven High School (w/CCTE) / Main Building	Kitchen	Jal zinc	Illegible	Illegible	2015
)	8025348	E1030	Foodservice Equipment	Exhaust Hood, 3 to 6 LF		Whitehaven High School (w/CCTE) / Main Building	Kitchen	Jal zinc	Illegible	Illegible	2015
10	8025279	E1030	Foodservice Equipment	Exhaust Hood, 3 to 6 LF		Whitehaven High School (w/CCTE) / Main Building	Kitchen	Jal zinc	Illegible	Illegible	2015
11	8025248	E1030	Foodservice Equipment	Food Puree		Whitehaven High School (w/CCTE) / Main Building	Kitchen	Delfield	SH-5-NU	1907150002570	2018

8025214	E1030	Foodservice Equipment	Food Puree	Whitehaven High School (w/CCTE) / Main Building	Kitchen	Delfield	BGF1-74-NUP	1007160002676	2015
8025225	E1030	Foodservice Equipment	Food Puree	Whitehaven High School (w/CCTE) / Main Building	Kitchen	Delfield	SH-5-NU	1907150002577	2015
8025294	E1030	Foodservice Equipment	Food Puree	Whitehaven High School (w/CCTE) / Main Building	Kitchen	Delfield	SH-5-NU	000-4001101	2015
8025270	E1030	Foodservice Equipment	Food Puree	Whitehaven High School (w/CCTE) / Main Building	Kitchen	Delfield	SH-5-NU	2404820100757	2018
8025252	E1030	Foodservice Equipment	Food Puree	Whitehaven High School (w/CCTE) / Main Building	Kitchen	Delfield	No dataplate	No dataplate	2015
8025220	E1030	Foodservice Equipment	Food Puree	Whitehaven High School (w/CCTE) / Main Building	Kitchen	Delfield	SH-5-NU	2404820100758	2015
8025241	E1030	Foodservice Equipment	Food Puree	Whitehaven High School (w/CCTE) / Main Building	Kitchen	Delfield	SCFT-74-NUP	1907150002578	2015
8025296	E1030	Foodservice Equipment	Food Warmer, Proofing Cabinet on Wheels	Whitehaven High School (w/CCTE) / Main Building	Kitchen	FWE	UHS-12	123465903	2023
8025342	E1030	Foodservice Equipment	Food Warmer, Proofing Cabinet on Wheels	Whitehaven High School (w/CCTE) / Main Building	Kitchen	FWE	MTU-12	102722110	2018
8025281	E1030	Foodservice Equipment	Food Warmer, Proofing Cabinet on Wheels	Whitehaven High School (w/CCTE) / Main Building	Kitchen	FWE	HL1-18-9	012016 593513	2015
8025374	E1030	Foodservice Equipment	Freezer, 2-Door Reach-In	Whitehaven High School (w/CCTE) /	Kitchen	Migila	C-2F	C-2F00317030400920013	2017
	8025225 8025294 8025270 8025252 8025220 8025241 8025296 8025342	8025225 E1030 8025294 E1030 8025270 E1030 8025252 E1030 8025220 E1030 8025241 E1030 8025296 E1030 8025342 E1030	8025214 E1030 Equipment 8025225 E1030 Foodservice Equipment 8025294 E1030 Foodservice Equipment 8025270 E1030 Foodservice Equipment 8025252 E1030 Foodservice Equipment 8025220 E1030 Foodservice Equipment 8025241 E1030 Foodservice Equipment 8025296 E1030 Foodservice Equipment 8025342 E1030 Foodservice Equipment 8025281 E1030 Foodservice Equipment 8025374 F1030 Foodservice Equipment	8025214 E1030 Equipment Food Puree 8025225 E1030 Foodservice Equipment Food Puree 8025294 E1030 Foodservice Equipment Food Puree 8025270 E1030 Foodservice Equipment Food Puree 8025252 E1030 Foodservice Equipment Food Puree 8025220 E1030 Foodservice Equipment Food Puree 8025241 E1030 Foodservice Equipment Food Puree 8025296 E1030 Foodservice Equipment Food Warmer, Proofing Cabinet on Wheels 8025342 E1030 Foodservice Equipment Food Warmer, Proofing Cabinet on Wheels 8025281 E1030 Foodservice Equipment Food Warmer, Proofing Cabinet on Wheels 8025374 E1030 Foodservice Equipment Foodservice Freezer, 2-Door	B025214 E1030 Foodservice Equipment Food Puree High School (w/CCTE) / Main Building Whitehaven High School (w/CCTE) / Main Building	B025214 B1030 Foodservice Equipment Food Puree High School (WCCTE) / Main Building	Boundaries Foodservice Equipment Food Puree High School (wCCTE) Main Building Mitchen Delfield	Pood Service Pood Puree High School (WCCTE) Kitchen Delfield BGF1-74-NUP	Pool Pure Pool

23	8025273	E1030	Foodservice Equipment	Freezer, 2-Door Reach-In	Whitehaven High School (w/CCTE) / Main Building	Kitchen	Migali	C-2F-HC	C-2F-HC00317112500920010	2017
24	8025263	E1030	Foodservice Equipment	Garbage Disposal, 1 to 3 HP	Whitehaven High School (w/CCTE) / Main Building	Kitchen	No dataplate	No dataplate	No dataplate	1995
25	8025271	E1030	Foodservice Equipment	lcemaker, Freestanding	Whitehaven High School (w/CCTE) / Main Building	Kitchen	Manitowoc	KY0250A-161	1120005858	2010
26	8025327	E1030	Foodservice Equipment	Refrigerator, 2-Door Reach-In	Whitehaven High School (w/CCTE) / Main Building	Kitchen	Saturn	FBTM49F	FBTM49F141018J2007	2014
27	8025312	E1030	Foodservice Equipment	Refrigerator, 2-Door Reach-In	Whitehaven High School (w/CCTE) / Main Building	Kitchen	ARES	MBF8005GR	MBF8005GRAUS 1T0320062600C40019	2020
28	8025223	E1030	Foodservice Equipment	Steam Kettle	Whitehaven High School (w/CCTE) / Main Building	Kitchen	ACCUTEMP	No dataplate	No dataplate	2015
29	8025379	E1030	Foodservice Equipment	Steamer, Freestanding	Whitehaven High School (w/CCTE) / Main Building	Kitchen	Sterling	SP480-12-3AF00	06E0201	2018
30	8025222	E1030	Foodservice Equipment	Walk-In, Evaporator for Refigerator/Freezer	Whitehaven High School (w/CCTE) / Main Building	Kitchen	Heatcraft	ADT090AK	T18B15305	2015
31	8025353	E1030	Foodservice Equipment	Walk-In, Freezer	Whitehaven High School (w/CCTE) / Main Building	Kitchen	Inaccessible	Inaccessible	Inaccessible	2000
32	8025364	E1030	Foodservice Equipment	Walk-In, Refrigerator	Whitehaven High School (w/CCTE) / Main Building	Kitchen	Kolpak	No dataplate	No dataplate	2000
33	8025218	E1030	Sink/Lavatory	Commercial Kitchen, 2-Bowl	Whitehaven High School (w/CCTE) / Main Building	Kitchen				1995

34	8025339	E1030	Sink/Lavatory	Commercial Kitchen, 3-Bowl	Whitehaven High School (w/CCTE) / Main Building	Kitchen				2000	2
35	8025349	E1040	Ceramics Equipment	Kiln	Whitehaven High School (w/CCTE) / Main Building	Classrooms Art	Amaco	EX-365SF	007313	2015	