

# FACILITY CONDITION ASSESSMENT



**BUREAU  
VERITAS**

*prepared for*

**Richmond Public Schools**  
301 North Ninth Street  
Richmond, VA 23219



Thomas H. Henderson Middle School  
4319 Old Brook Road  
Richmond, VA 23227

**PREPARED BY:**

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**Bureau Veritas**

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# 1. Executive Summary

## Property Overview and Assessment Details

| General Information                        |   |
|--|---|
| <b>Property Type</b>                       | Middle school campus  |
| <b>Number of Buildings</b>                 | 1   |
| <b>Main Address</b>                        | 4319 Old Brook Road, Richmond, VA 23227   |
| <b>Site Developed</b>                      | 1972  |
| <b>Outside Occupants / Leased Spaces</b>   | HR District office occupies classrooms 508-511 block<br>Auxiliary gym leased out to private boxing business   |
| <b>Date(s) of Visit</b>                    | February 26-28, 2024  |
| <b>Management Point of Contact</b>         | Daniel Alu<br>Project Engineer<br>800 Yard Street, Suite 115<br>Columbus, Ohio 43212<br>Mobile: 614.949.1355<br><a href="mailto:daniel.alu@gofmx.com">daniel.alu@gofmx.com</a>  |
| <b>On-site Point of Contact (POC)</b>      | Ronald (Bobby) Hathaway Jr., Director of Facilities<br>Department of Facility Services<br>1461 A Commerce Road<br>Richmond, VA 23224<br>Office: (804) 780-6251 Mobil: (804) 325-0740<br>Email: <a href="mailto:Rhathawa@rvaschools.net">Rhathawa@rvaschools.net</a> |
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| <b>AssetCalc Link</b>                      | Full dataset for this assessment can be found at:<br><a href="https://www.assetcalc.net/">https://www.assetcalc.net/</a>  |



## Significant/Systemic Findings and Deficiencies

### Historical Summary

Thomas H. Henderson Middle School opened in 1972 and is located adjacent to John Marshall High School on Old Brook Road. As the student population has declined, some blocks of unused classrooms have cannibalized into new sections including new office space and an HR satellite location. The auxiliary gymnasium has been rented out to a private boxing lessee.

### Architectural

The building consists of brick exterior with a metal roof deck on concrete slabs. In general, the structure appears to be sound, with no significant areas of settlement or structural-related deficiencies observed. The built-up roof has been reported to have several roof leaks and has large areas of standing water present. Many of the acoustic ceiling tiles are stained. New carpet tile was installed last year in both classrooms and hallways. The school was built as an open-concept layout with lack of true separation between classrooms, which has caused issues with noise insulation and the climate control system. Most of the interior finishes are original to construction and are due for replacement.

### Mechanical, Electrical, Plumbing and Fire (MEPF)

Most of the HVAC equipment remains unchanged from opening, apart from the abandoned thermal storage ice system for cooling. A new traditional chiller and cooling towers were installed in 2020 to replace it. Several boilers and the chiller fed fan coil units, hydronic baseboard radiators, and air handlers are scattered throughout the facility. A complete renovation of the building's heating system, including deletion of the antiquated pneumatic controls and replacement of the air handlers and fan coil units is highly recommended. The patrons complain of the system's inability to adequately balance the cool/heat needs of the building leaving several areas uncomfortable. The HVAC system is controlled by a Building Automation System (BAS).

In general, the plumbing system is functional with commercial gas water heaters filling a large storage tank to keep up with domestic hot water needs. Electrical components are mostly original and will likely require upgrades soon. A diesel generator and UPS battery system supply the school district's server room and essential facility components with emergency power. Fire suppression is currently limited to only fire extinguishers, the building would benefit from a full sprinkler system installation. The fire alarm system, while functional, is extremely outdated and should be replaced in the short term. Lifecycle replacement of the remaining MEPF equipment is anticipated.

### Site

The parking lot asphalt pavement has large cracks and no visible striping evident; a full mill and overlay will be required. Sidewalks have areas of cracked sections and pose potential trip hazards. A small community garden sits on the school's north boundary. The site pole lighting has been retrofitted with LED lamps.

### 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 the Facility Condition Index (FCI), which provides a theoretical objective indication of a facility's overall condition. The FCI is defined as the ratio of the cost of current needs divided by the current replacement value (CRV) of the facility. In this report, each building is considered as a separate facility. The chart below presents the industry standard ranges and cut-off points.

| FCI Ranges and Description |   |
|----------------------------|---|
| <b>0 – 5%</b>              | In new or well-maintained condition, with little or no visual evidence of wear or       |
| <b>5 – 10%</b>             | Subjected to wear but is still in a serviceable and functioning condition.              |
| <b>10 – 30%</b>            | Subjected to hard or long-term wear. Nearing the end of its useful or serviceable life. |
| <b>30% and above</b>       | 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 compare facilities across a portfolio instead of being over-analyzed and scrutinized as stand-alone mathematical values. The table below presents the current, 3-year, 5-year, and 10-year FCI's for each facility:

| FCI Analysis   Thomas H. Henderson Middle School / Main Building(1971) |                         |                |              |
|--|-------------------------|----------------|--------------|
| <i>Replacement Value</i>   | <i>Total SF</i>         | <i>Cost/SF</i> |              |
| \$ 65,845,900  | 188,131                 | \$ 350         |              |
|  | <b>Est Reserve Cost</b> |                | <b>FCI</b>   |
| <b>Current</b>   | \$ 74,700               |                | <b>0.1 %</b> |
| 3-Year   | \$ 8,580,400            |                | 13.0 %       |
| 5-Year   | \$ 11,180,000           |                | 17.0 %       |
| 10-Year  | \$ 18,404,100           |                | 28.0 %       |



Immediate Needs

| Facility/Building                                 | Total Items | Total Cost      |
|---|-------------|-----------------|
| Thomas H. Henderson Middle School / Main Building | 3           | \$74,700        |
| Thomas H. Henderson Middle School / Site          | 2           | \$8,000         |
| <b>Total</b>                                      | <b>5</b>    | <b>\$82,700</b> |

Main Building

| ID                     | Location Description | UF Code | Description  | Condition | Plan Type     | Cost            |
|------------------------|----------------------|---------|--|-----------|---------------|-----------------|
| 7448599                | Throughout building  | Y1030   | ADA Entrances & Doors, Hardware, Lever Handle, Install   | NA        | Accessibility | \$73,800        |
| 7448546                | Restrooms            | Y1050   | ADA Restrooms, Lavatory, Pipe Wraps/Insulation, Install  | NA        | Accessibility | \$100           |
| 7448640                | Restrooms            | Y1050   | ADA Restrooms, Urinal, Height/Location/Clearance, Modify | NA        | Accessibility | \$800           |
| <b>Total (3 items)</b> |                      |         |  |           |               | <b>\$74,700</b> |

Site

| ID                     | Location Description | UF Code | Description  | Condition | Plan Type     | Cost           |
|------------------------|----------------------|---------|--|-----------|---------------|----------------|
| 7448603                | Site                 | G2030   | Sidewalk, any pavement type, Sectional Repairs (per Man-Day), Repair | Poor      | Safety        | \$6,000        |
| 7448573                | Parking lot          | Y1020   | ADA Paths of Travel, Walkways, Curb Cut Ramp, Install                | NA        | Accessibility | \$2,000        |
| <b>Total (2 items)</b> |                      |         |  |           |               | <b>\$8,000</b> |





### Key Findings



#### Sidewalk in Poor condition.

any pavement type, Sectional Repairs (per Man-Day)  
Site Thomas H. Henderson Middle School Site

Uniformat Code: G2030  
Recommendation: **Repair in 2024**

Priority Score: **94.9**

Plan Type: Safety

Cost Estimate: \$6,000

\$\$\$\$

Multiple large cracks that present trip hazards throughout the concrete walking paths - AssetCALC ID: 7448603



#### Roofing in Poor condition.

Built-Up  
Main Building Thomas H. Henderson Middle School Roof

Uniformat Code: B3010  
Recommendation: **Replace in 2025**

Priority Score: **88.8**

Plan Type:  
Performance/Integrity

Cost Estimate: \$2,633,800

\$\$\$\$

There is numerous roof leaks, as well as inadequate drainage with large areas of standing water present - AssetCALC ID: 7448595



#### Parking Lots in Poor condition.

Pavement, Asphalt  
Site Thomas H. Henderson Middle School Parking lot

Uniformat Code: G2020  
Recommendation: **Seal & Stripe in 2025**

Priority Score: **84.8**

Plan Type:  
Performance/Integrity

Cost Estimate: \$38,900

\$\$\$\$

Striping is poorly visible throughout the lot - AssetCALC ID: 7448525



#### Athletic Surfaces & Courts in Poor condition.

Basketball/General, Asphalt Pavement  
Site Thomas H. Henderson Middle School Sports Courts

Uniformat Code: G2050  
Recommendation: **Seal & Stripe in 2025**

Priority Score: **82.8**

Plan Type:  
Performance/Integrity

Cost Estimate: \$21,300

\$\$\$\$

Faded lines and cracking - AssetCALC ID: 7448672



### Sports Apparatus in Poor condition.

Basketball, Backboard/Rim/Pole  
Site Thomas H. Henderson Middle School  
Sports Courts

Uniformat Code: G2050  
Recommendation: **Replace in 2025**

Priority Score: **82.8**

Plan Type:  
Performance/Integrity

Cost Estimate: \$76,000

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

Structure has surface rust throughout and surrounding foundation has major cracking - AssetCALC ID: 7448687



### Athletic Surfaces & Courts in Poor condition.

Basketball/General, Asphalt Pavement  
Site Thomas H. Henderson Middle School  
Sports Courts

Uniformat Code: G2050  
Recommendation: **Mill & Overlay in 2025**

Priority Score: **82.8**

Plan Type:  
Performance/Integrity

Cost Estimate: \$165,900

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

Cracking present throughout - AssetCALC ID: 7448656



### Planter Boxes in Poor condition.

Pre-Manufactured, High-End  
Site Thomas H. Henderson Middle School Site

Uniformat Code: G2080  
Recommendation: **Replace in 2025**

Priority Score: **81.8**

Plan Type:  
Performance/Integrity

Cost Estimate: \$54,000

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

Concrete planters throughout site have cracks and complete broken off sections. Many are not salvageable. - AssetCALC ID: 7448638



### ADA Restrooms

Lavatory, Pipe Wraps/Insulation  
Main Building Thomas H. Henderson Middle  
School Restrooms

Uniformat Code: Y1050  
Recommendation: **Install in 2024**

Priority Score: **63.9**

Plan Type: Accessibility

Cost Estimate: \$100

**\$\$\$**

Pipe insulation needed for compliance - AssetCALC ID: 7448546





### ADA Entrances & Doors

Hardware, Lever Handle  
Main Building Thomas H. Henderson Middle School Throughout building

Uniformat Code: Y1030  
Recommendation: **Install in 2024**

Priority Score: **63.9**

Plan Type: Accessibility

Cost Estimate: \$73,800

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

Most door handles are not ADA compliant. - AssetCALC ID: 7448599



### ADA Restrooms

Urinal, Height/Location/Clearance  
Main Building Thomas H. Henderson Middle School Restrooms

Uniformat Code: Y1050  
Recommendation: **Modify in 2024**

Priority Score: **63.9**

Plan Type: Accessibility

Cost Estimate: \$800

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

No lower urinal present. - AssetCALC ID: 7448640



### ADA Paths of Travel

Walkways, Curb Cut Ramp  
Site Thomas H. Henderson Middle School Parking lot

Uniformat Code: Y1020  
Recommendation: **Install in 2024**

Priority Score: **63.9**

Plan Type: Accessibility

Cost Estimate: \$2,000

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

Overgrowth present at curb cut - AssetCALC ID: 7448573

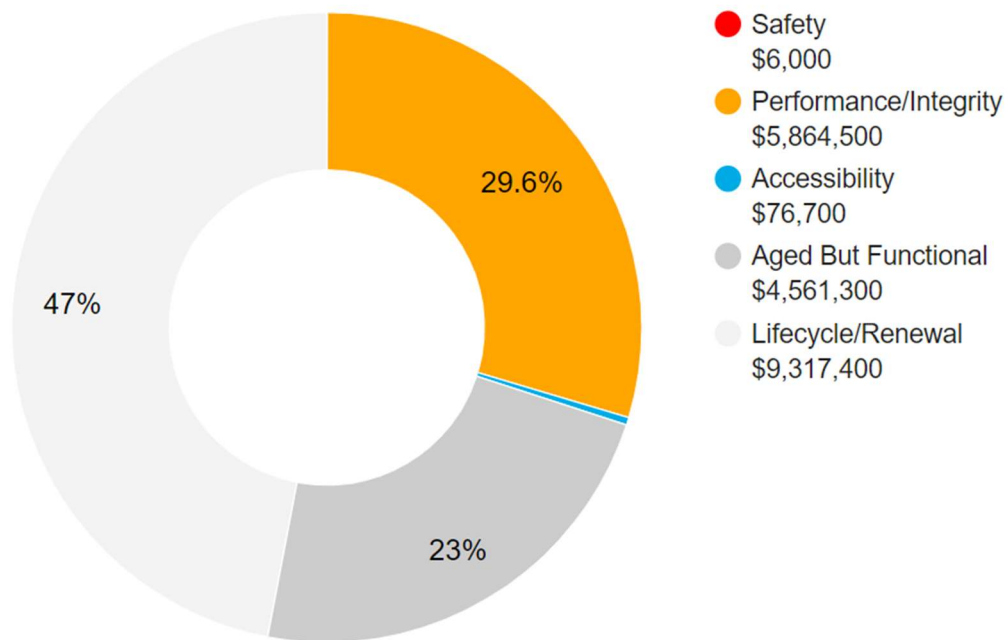
## Plan Types

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 and highest on the list below.

### Plan Type Descriptions

|                              |   |   |
|------------------------------|---|---|
| <b>Safety</b>                | ■ | An observed or reported unsafe condition that if left unaddressed could result in injury; a system or component that presents potential liability risk. |
| <b>Performance/Integrity</b> | ■ | Component or system has failed, is almost failing, performs unreliably, does not perform as intended, and/or poses risk to overall system stability.    |
| <b>Accessibility</b>         | ■ | Does not meet ADA, UFAS, and/or other accessibility requirements.   |
| <b>Environmental</b>         | ■ | Improvements to air or water quality, including removal of hazardous materials from the building or site.   |
| <b>Retrofit/Adaptation</b>   | ■ | Components, systems, or spaces recommended for upgrades in in order to meet current standards, facility usage, or client/occupant needs.                |
| <b>Lifecycle/Renewal</b>     | ■ | Any component or system that is neither deficient nor aged past EUL but for which future replacement or repair is anticipated and budgeted.             |

### Plan Type Distribution (by Cost)



10-YEAR TOTAL: \$19,825,900

## 2. Building Information



| Building Systems Summary     |  |                  |
|------------------------------|--|------------------|
| <b>Address</b>               | 4319 Old Brook Road, Richmond, VA 23227  |                  |
| <b>Constructed/Renovated</b> | 1972   |                  |
| <b>Building Area</b>         | 188,131 SF   |                  |
| <b>Number of Stories</b>     | 1 above grade  |                  |
| <i>System</i>                | <i>Description</i>   | <i>Condition</i> |
| <b>Structure</b>             | Masonry bearing walls with metal roof deck supported by open-web steel joists and concrete strip footing foundation system   | Fair             |
| <b>Façade</b>                | Primary Wall Finish: Brick<br>Secondary Wall Finish: Cement panel siding<br>Windows: Aluminum  | Fair             |
| <b>Roof</b>                  | Flat construction with built-up finish   | Poor             |
| <b>Interiors</b>             | Walls: Painted CMU and gypsum board, brick, and ceramic tile<br>Floors: Carpet, VCT, ceramic tile, quarry tile, synthetic sports composite, and wood strip<br>Ceilings: Painted gypsum board and ACT | Fair             |
| <b>Elevators</b>             | None   | --               |
| <b>Plumbing</b>              | Distribution: Copper supply and cast iron waste & venting<br>Hot Water: Gas domestic boilers with storage tanks<br>Fixtures: Toilets, urinals, and sinks in all restrooms                            | Fair             |

| <b>Building Systems Summary</b> |  |      |
|---------------------------------|--|------|
| <b>HVAC</b>                     | Central System: Boilers, chiller, air handlers, and cooling tower feeding fan coil units, and hydronic baseboard radiators.<br>Supplemental components: Split-system heat pumps and suspended unit heaters<br>Building Automation System (BAS)                       | Fair |
| <b>Fire Suppression</b>         | Fire extinguishers and kitchen suppression system  | Fair |
| <b>Electrical</b>               | Source & Distribution: Main switchboard with copper wiring<br>Interior Lighting: Linear fluorescent and CFL<br>Exterior Building-Mounted Lighting: LED<br>Emergency Power: Diesel generator with automatic transfer switch and UPS                                   | Fair |
| <b>Fire Alarm</b>               | Alarm panel with smoke detectors, heat detectors, alarms, strobes, pull stations, back-up emergency lights, and exit signs   | Fair |
| <b>Equipment/Special</b>        | Commercial kitchen and laundry equipment   | Fair |
| <b>Accessibility</b>            | Presently it does not appear an accessibility study is needed for this building. See the appendix for associated photos and additional information.  |      |
| <b>Additional Studies</b>       | No additional studies are currently recommended for the building.  |      |
| <b>Areas Observed</b>           | The interior spaces were observed to gain a clear understanding of the facility's overall condition. Other areas accessed and assessed included the exterior equipment and assets directly serving the buildings, the exterior walls of the facility, and the roofs. |      |
| <b>Key Spaces Not Observed</b>  | All key areas of the facility were accessible and observed.  |      |



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

| <b>System Expenditure Forecast</b> |                  |                    |                    |                    |                     |                     |
|------------------------------------|------------------|--------------------|--------------------|--------------------|---------------------|---------------------|
| <b>System</b>                      | <b>Immediate</b> | <b>Short Term</b>  | <b>Near Term</b>   | <b>Med Term</b>    | <b>Long Term</b>    | <b>TOTAL</b>        |
|                                    |                  | <b>(1-2 yr)</b>    | <b>(3-5 yr)</b>    | <b>(6-10 yr)</b>   | <b>(11-20 yr)</b>   |                     |
| Structure                          | -                | -                  | -                  | -                  | -                   | -                   |
| Facade                             | -                | -                  | \$57,100           | \$554,800          | -                   | \$611,800           |
| Roofing                            | -                | \$5,425,700        | -                  | -                  | -                   | \$5,425,700         |
| Interiors                          | -                | -                  | \$2,390,900        | \$2,600,300        | \$2,332,000         | \$7,323,200         |
| Conveying                          | -                | -                  | -                  | \$19,600           | -                   | \$19,600            |
| Plumbing                           | -                | -                  | \$235,500          | \$82,200           | \$3,323,500         | \$3,641,200         |
| HVAC                               | -                | \$5,500            | \$1,653,900        | \$1,198,600        | \$7,218,300         | \$10,076,300        |
| Fire Protection                    | -                | -                  | \$300              | \$4,900            | \$500               | \$5,700             |
| Electrical                         | -                | -                  | \$793,000          | \$1,098,500        | \$663,000           | \$2,554,500         |
| Fire Alarm & Electronic Systems    | -                | \$15,900           | \$317,600          | \$1,370,600        | \$24,800            | \$1,729,000         |
| Equipment & Furnishings            | -                | \$72,900           | \$136,900          | \$172,200          | \$476,700           | \$858,800           |
| Site Utilities                     | -                | -                  | -                  | -                  | \$27,000            | \$27,000            |
| Site Development                   | -                | -                  | -                  | \$122,300          | -                   | \$122,300           |
| Accessibility                      | \$74,700         | -                  | -                  | -                  | -                   | \$74,700            |
| <b>TOTALS (3% inflation)</b>       | <b>\$74,700</b>  | <b>\$5,520,100</b> | <b>\$5,585,300</b> | <b>\$7,224,100</b> | <b>\$14,065,700</b> | <b>\$32,469,900</b> |



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

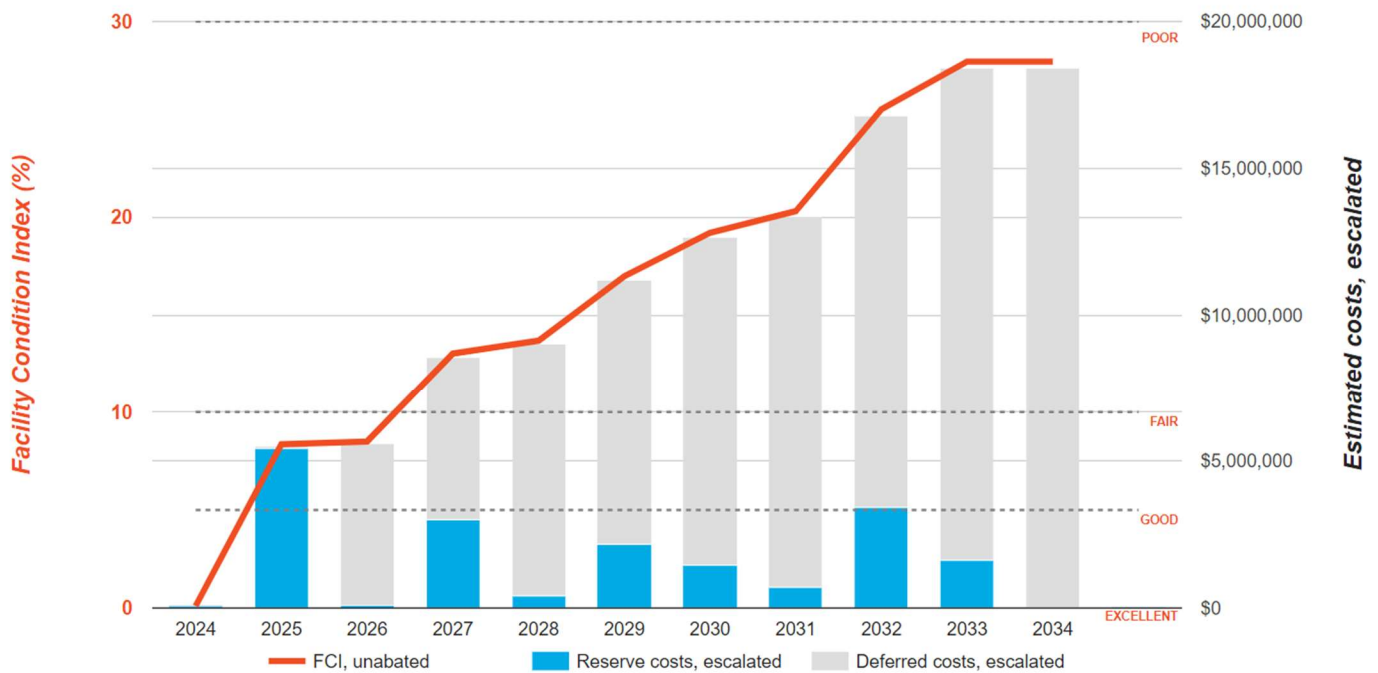
## Needs by Year with Unaddressed FCI Over Time

### FCI Analysis: Thomas H. Henderson Middle School Main Building

Replacement Value: \$65,845,900

Inflation Rate: 3.0%

Average Needs per Year: \$1,673,200



### Main Building: Photographic Overview



1 - FRONT ELEVATION



2 - REAR ELEVATION



3 - RIGHT ELEVATION



4 - ROOF OVERVIEW



5 - STANDING WATER PRESENT ON ROOF



6 - BRICK AND CEMENT PANEL SIDING





7 – MEDIA CENTER



8 – TYPICAL CLASSROOM



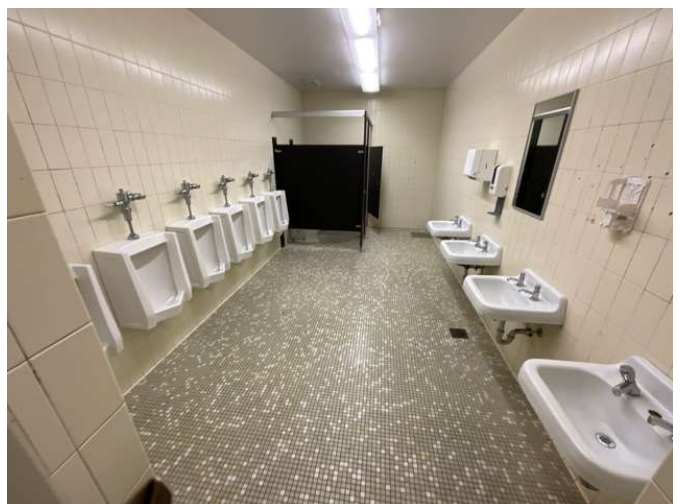
9 – DOMESTIC GAS WATER HEATERS



10 – DOMESTIC WATER STORAGE TANK



11 – SUMP PUMPS



12 – TYPICAL PLUMBING FIXTURES





13 – AIR HANDLER



14 – AXIAL FLOW FAN



15 - MAIN MECHANICAL ROOM - HVAC BOILERS



16 - CHILLER



17 – COOLING TOWERS



18 – ABANDONED HVAC THERMAL ICE STORAGE





19 – HVAC DISTRIBUTION PUMP



20 – VARIABLE FREQUENCY DRIVE



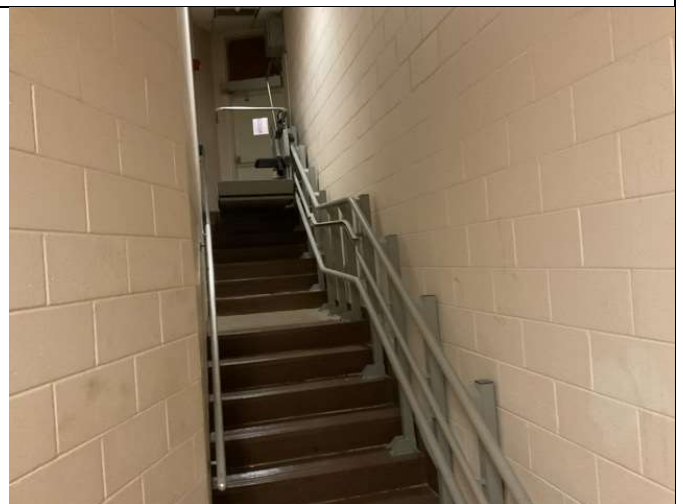
21 – UNINTERRUPTIBLE POWER SUPPLY



22 – SECONDARY TRANSFORMER



23 – FIRE ALARM PANEL



24 – STAIR CLIMBER WITH INCLINED LIFT



### 3. Site Summary



| Site Information                  |   |                  |
|-----------------------------------|---|------------------|
| <b>Site Area</b>                  | 18 acres (estimated)  |                  |
| <b>Parking Spaces</b>             | 162 total spaces all in open lots; 4 of which are accessible  |                  |
| <i>System</i>                     | <i>Description</i>  | <i>Condition</i> |
| <b>Pavement/Flatwork</b>          | Asphalt lots with limited areas of concrete aprons and pavement and adjacent concrete sidewalks, curbs, ramps, and stairs.                                  | Poor             |
| <b>Site Development</b>           | Property entrance signage; chain-link fencing<br>Sports fields and courts with chain-link fencing<br>Limited park benches, picnic tables, trash receptacles | Fair             |
| <b>Landscaping and Topography</b> | Significant landscaping features include lawns, trees, bushes, and a gardening area with planters.<br>Irrigation not present<br>Flat topography             | Fair             |
| <b>Utilities</b>                  | Municipal water and sewer<br>Local utility-provided electric and natural gas  | Fair             |
| <b>Site Lighting</b>              | Pole-mounted: LED   | Good             |
| <b>Ancillary Structures</b>       | None  | --               |

| Site Information                    |   |
|-------------------------------------|---|
| <b>Site Accessibility</b>           | Presently it does not appear an accessibility study is needed for the exterior site areas. See the appendix for associated photos and additional information.   |
| <b>Site Additional Studies</b>      | No additional studies are currently recommended for the exterior site areas.  |
| <b>Site Areas Observed</b>          | The exterior areas within the property boundaries were observed to gain a clear understanding of the site's overall condition.  |
| <b>Site Key Spaces Not Observed</b> | <p>Areas of note that were either inaccessible or not observed for other reasons are listed here:</p> <ul style="list-style-type: none"> <li>Emergency power generator enclosure; locked area and no key</li> </ul> |

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

| System Expenditure Forecast  |                |                        |                       |                       |                         |                    |
|------------------------------|----------------|------------------------|-----------------------|-----------------------|-------------------------|--------------------|
| System                       | Immediate      | Short Term<br>(1-2 yr) | Near Term<br>(3-5 yr) | Med Term<br>(6-10 yr) | Long Term<br>(11-20 yr) | TOTAL              |
| Site Pavement                | \$6,000        | \$40,100               | \$330,800             | \$46,500              | \$116,300               | \$539,700          |
| Site Development             | -              | \$326,700              | -                     | \$37,500              | \$108,200               | \$472,500          |
| Accessibility                | \$2,000        | -                      | -                     | -                     | -                       | \$2,000            |
| <b>TOTALS (3% inflation)</b> | <b>\$8,000</b> | <b>\$366,800</b>       | <b>\$330,800</b>      | <b>\$84,000</b>       | <b>\$224,600</b>        | <b>\$1,014,200</b> |



Site: Photographic Overview



1 - MAIN PARKING AREA



2 - TENNIS COURTS



3 - COMMUNITY GARDEN



4 - BASKETBALL COURTS



5 - BICYCLE REPAIR STATION



6 - SITE LIGHTING

## 4. ADA Accessibility

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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:

1. Necessarily require a public entity to make each of its existing facilities accessible to and usable by individuals with disabilities;
2. 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 material 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 assessment. A full measured ADA survey would be required to identify more 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 included in the dataset
- For any “none” boxes checked or reference to “no issues” identified, that alone does not guarantee full compliance

No detailed follow-up accessibility study is currently recommended since no major or moderate issues were identified at the subject site. Reference the appendix for specific data, photos, and tables or checklists associated with this limited accessibility survey.

## 5. 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     |   |
|-----------------------|---|
| <b>Excellent</b>      | 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.   |
| <b>Good</b>           | 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.   |
| <b>Fair</b>           | 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.  |
| <b>Poor</b>           | 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. |
| <b>Failed</b>         | Component or system has ceased functioning or performing as intended. Replacement, repair, or other significant corrective action is recommended or required.   |
| <b>Not Applicable</b> | 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 a 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.

## 6. Opinions of Probable Costs

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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 or component 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.

## 7. Certification

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Richmond Public Schools (the Client) retained Bureau Veritas to perform this Facility Condition Assessment in connection with its continued operation of Thomas H. Henderson Middle School, 4319 Old Brook Road, Richmond, VA 23227, the "Property". It is our understanding that the primary interest of the Client is to locate and evaluate materials and building system defects that might significantly affect the value of the property and to determine if the present Property has conditions that will have a significant impact on its continued operations.

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

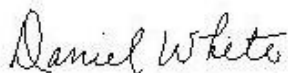
No testing, exploratory probing, dismantling or operating of equipment or in-depth studies were performed unless specifically required under the *Purpose and Scope* section of this report. This assessment did not include engineering calculations to determine the adequacy of the Property's original design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

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

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

**Prepared by:** Jesse Azaret,  
Project Manager

**Reviewed by:**



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## 8. Appendices

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- Appendix A: Site Plan
- Appendix B: Pre-Survey Questionnaires
- Appendix C: Accessibility Review and Photos
- Appendix D: Component Condition Report
- Appendix E: Replacement Reserves
- Appendix F: Equipment Inventory List

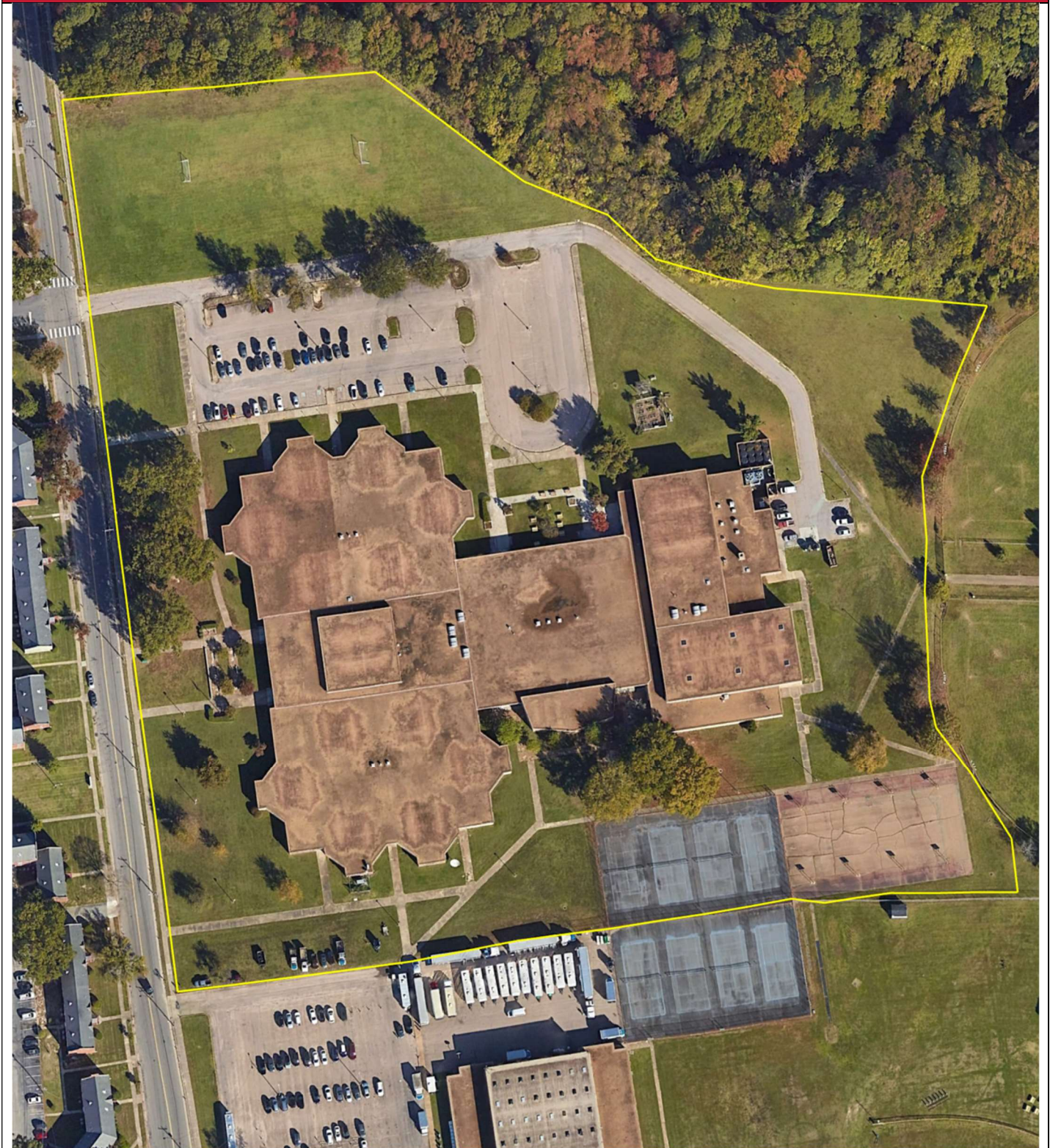


# Appendix A:

## Site Plan

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# Site Plan



**BUREAU  
VERITAS**

**Project Number**

166385.24R000-014.468

**Source**

Google

**Project Name**

Thomas H. Henderson Middle School

**On-Site Date**

February 26-28, 2024



## Appendix B:

### Pre-Survey Questionnaires

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## Bureau Veritas Facility Condition Assessment: Pre-Survey Questionnaire

**Building / Facility Name:** Thomas H. Henderson Middle School

**Name of person completing form:** Ronald Hathaway

**Title / Association with property:** Director of Facilities

**Length of time associated w/ property:** 30

**Date Completed:** 2/20/2024

**Phone Number:** 804-325-0740

**Method of Completion:** Electronic

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

| Data Overview |  | Response   |      |  |
|---------------|--|--|------|--|
| 1             | Year/s constructed / renovated   | 1971   |      |  |
| 2             | Building size in SF  | 188131   |      |  |
| 3             | Major Renovation/Rehabilitation  |  | Year | Additional Detail                            |
|               |  | Façade   |      | Brick  |
|               |  | Roof   |      | Tar and Gravel                               |
|               |  | Interiors  |      | CMU, sheetrock, wall partitions, Carpet, VCT |
|               |  | HVAC   | 2019 | Chiller replaced                             |
|               |  | Electrical   |      |  |
|               |  | Site Pavement  |      | Asphalt                                      |
|               |  | Accessibility  |      | Satisfied the 2007 lawsuit requirement       |
| Question      |  | Response   |      |  |
| 4             | List other significant capital improvements (focus on recent years; provide approximate date).         | Eliminated ice storage and installed traditional chiller and cooling tower 2020  |      |  |
| 5             | List any major capital expenditures planned/requested for the next few years. Have they been budgeted? | Pneumatic controls and replace air handlers. Replace fire alarm panel no funding |      |  |
| 6             | Describe any on-going extremely problematic, historically chronic, or immediate facility needs.        | Remove classroom partitions and install traditional walls with lockable doors    |      |  |



| Mark the column corresponding to the appropriate response. Please provide additional details in the Comments column, or backup documentation for any <b>Yes</b> responses. ( <b>NA</b> indicates "Not Applicable", <b>Unk</b> indicates "Unknown") |   |          |    |     |    |   |
|--|---|----------|----|-----|----|---|
| Question   |   | Response |    |     |    | Comments                                      |
|  |   | Yes      | No | Unk | NA |   |
| 7  | Are there any problems with foundations or structures, like excessive settlement?   |          | X  |     |    |   |
| 8  | Are there any wall, window, basement or roof leaks?   | X        |    |     |    | Many windows leaking replaced with plexiglass |
| 9  | Has any part of the facility ever contained visible suspect mold growth, or have there been any indoor air quality or mold related complaints from occupants? |          | X  |     |    |   |
| 10   | Are your elevators unreliable, with frequent service calls?   |          |    |     | X  |   |
| 11   | Are there any plumbing leaks, water pressure, or clogging/back-up problems?   |          | X  |     |    |   |
| 12   | Have there been any leaks or pressure problems with natural gas, HVAC supply/return lines, or steam service?  |          | X  |     |    |   |
| 13   | Are any areas of the facility inadequately heated, cooled or ventilated? Any poorly insulated areas?  |          | X  |     |    |   |
| 14   | Is the electrical service outdated, undersized, or otherwise problematic?   |          | X  |     |    |   |
| 15   | Are there any problems or inadequacies with exterior lighting?  | X        |    |     |    | Exterior                                      |
| 16   | Is site/parking drainage inadequate, with excessive ponding or other problems?  |          | X  |     |    |   |
| 17   | Are there any other unresolved construction defects or significant issues/hazards at the property that have not yet been identified above?                    |          | X  |     |    |   |
| 18   | ADA: Has an accessibility study been performed at the site? If so, indicate when.   | X        |    |     |    |   |
| 19   | ADA: If a study has occurred, have the associated recommendations been addressed? In full or in part?   | X        |    |     |    | Satisfied the 2007 lawsuit requirement        |
| 20   | ADA: Have there been regular complaints about accessibility issues, or associated previous or pending litigation?   |          | X  |     |    |   |

## **Appendix C:** Accessibility Review and Photos

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## Visual Checklist - 2010 ADA Standards for Accessible Design

Property Name: Thomas H. Henderson Middle School

BV Project Number: 166385.24R000-014.468

### Abbreviated Accessibility Checklist

#### Facility History & Interview

| Question |  | Yes | No | Unk | Comments                |
|----------|--|-----|----|-----|-------------------------|
| 1        | Has an accessibility study been previously performed? If so, when?                         | X   |    |     | 2007 lawsuit            |
| 2        | Have any ADA improvements been made to the property since original construction? Describe. | X   |    |     | Up to 2007 requirements |
| 3        | Has building management reported any accessibility-based complaints or litigation?         | X   |    |     | 2007 lawsuit            |

## Abbreviated Accessibility Checklist

### Parking



OVERVIEW OF ACCESSIBLE PARKING AREA



CLOSE-UP OF STALL

| Question |   | Yes | No | NA | Comments |
|----------|---|-----|----|----|----------|
| 1        | Does the required number of standard ADA designated spaces appear to be provided ?          | ✗   |    |    |          |
| 2        | Does the required number of van-accessible designated spaces appear to be provided ?        | ✗   |    |    |          |
| 3        | Are accessible spaces on the shortest accessible route to an accessible building entrance ? | ✗   |    |    |          |
| 4        | Does parking signage include the International Symbol of Accessibility ?                    | ✗   |    |    |          |
| 5        | Does each accessible space have an adjacent access aisle ?                                  | ✗   |    |    |          |
| 6        | Do parking spaces and access aisles appear to be relatively level and without obstruction ? | ✗   |    |    |          |

# Abbreviated Accessibility Checklist

## Exterior Accessible Route



ACCESSIBLE RAMP



ACCESSIBLE PATH

| Question |  | Yes | No | NA | Comments   |
|----------|--|-----|----|----|--|
| 1        | Is an accessible route present from public transportation stops and municipal sidewalks on or immediately adjacent to the property ?                                       | X   |    |    |  |
| 2        | Does a minimum of one accessible route appear to connect all public areas on the exterior, such as parking and other outdoor amenities, to accessible building entrances ? | X   |    |    |  |
| 3        | Are curb ramps present at transitions through raised curbs on all accessible routes?   | X   |    |    |  |
| 4        | Do curb ramps appear to have compliant slopes for all components ?   |     | X  |    | Inadequate transition from asphalt to walkway, also need to remove weeds |
| 5        | Do ramp runs on an accessible route appear to have compliant slopes ?  | X   |    |    |  |
| 6        | Do ramp runs on an accessible route appear to have a compliant rise and width ?  | X   |    |    |  |

|   |   |   |  |   |  |
|---|---|---|--|---|--|
| 7 | Do ramps on an accessible route appear to have compliant end and intermediate landings ?                  |   |  | X |  |
| 8 | Do ramps and stairs on an accessible route appear to have compliant handrails?                            | X |  |   |  |
| 9 | For stairways that are open underneath, are permanent barriers present that prevent or discourage access? |   |  | X |  |



# Abbreviated Accessibility Checklist

## Building Entrances



ACCESSIBLE ENTRANCE



DOOR HARDWARE

| Question |   | Yes | No | NA | Comments |
|----------|---|-----|----|----|----------|
| 1        | Do a sufficient number of accessible entrances appear to be provided ?                              | ✗   |    |    |          |
| 2        | If the main entrance is not accessible, is an alternate accessible entrance provided?               | ✗   |    |    |          |
| 3        | Is signage provided indicating the location of alternate accessible entrances ?                     | ✗   |    |    |          |
| 4        | Do doors at accessible entrances appear to have compliant maneuvering clearance area on each side ? | ✗   |    |    |          |
| 5        | Do doors at accessible entrances appear to have compliant hardware ?                                | ✗   |    |    |          |
| 6        | Do doors at accessible entrances appear to have a compliant clear opening width ?                   | ✗   |    |    |          |



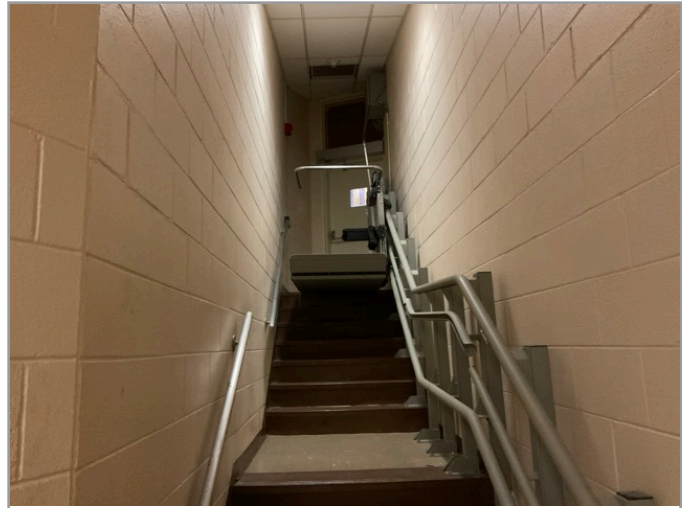
|   |   |   |  |   |  |
|---|---|---|--|---|--|
| 7 | Do pairs of accessible entrance doors in series appear to have the minimum clear space between them ? |   |  | X |  |
| 8 | Do thresholds at accessible entrances appear to have a compliant height ?                             | X |  |   |  |

## Abbreviated Accessibility Checklist

### Interior Accessible Route



ACCESSIBLE INTERIOR PATH



ACCESSIBLE INTERIOR LIFT

| Question |  | Yes | No | NA | Comments |
|----------|--|-----|----|----|----------|
| 1        | Does an accessible route appear to connect all public areas inside the building ?      | ✘   |    |    |          |
| 2        | Do accessible routes appear free of obstructions and/or protruding objects ?           | ✘   |    |    |          |
| 3        | Do ramps on accessible routes appear to have compliant slopes ?                        | ✘   |    |    |          |
| 4        | Do ramp runs on an accessible route appear to have a compliant rise and width ?        | ✘   |    |    |          |
| 5        | Do ramps on accessible routes appear to have compliant end and intermediate landings ? | ✘   |    |    |          |
| 6        | Do ramps on accessible routes appear to have compliant handrails ?                     | ✘   |    |    |          |

|    |   |   |   |   |  |
|----|---|---|---|---|--|
| 7  | Are accessible areas of refuge and the accessible means of egress to those areas identified with accessible signage ? | X |   |   |  |
| 8  | Do public transaction areas have an accessible, lowered service counter section ?                                     | X |   |   |  |
| 9  | Do public telephones appear mounted with an accessible height and location ?  |   |   | X |  |
| 10 | Do doors at interior accessible routes appear to have compliant maneuvering clearance area on each side ?             | X |   |   |  |
| 11 | Do doors at interior accessible routes appear to have compliant hardware ?  |   | X |   |  |
| 12 | Do non-fire hinged, sliding, or folding doors on interior accessible routes appear to have compliant opening force ?  | X |   |   |  |
| 13 | Do doors on interior accessible routes appear to have a compliant clear opening width ?                               | X |   |   |  |

# Abbreviated Accessibility Checklist

## Public Restrooms



TOILET STALL OVERVIEW



SINK, FAUCET HANDLES AND ACCESSORIES

| Question |   | Yes | No | NA | Comments |
|----------|---|-----|----|----|----------|
| 1        | Do publicly accessible toilet rooms appear to have a minimum compliant floor area ?         | ✗   |    |    |          |
| 2        | Does the lavatory appear to be mounted at a compliant height and with compliant knee area ? | ✗   |    |    |          |
| 3        | Does the lavatory faucet have compliant handles ?   | ✗   |    |    |          |
| 4        | Is the plumbing piping under lavatories configured to protect against contact ?             |     | ✗  |    |          |
| 5        | Are grab bars provided at compliant locations around the toilet ?                           | ✗   |    |    |          |
| 6        | Do toilet stall doors appear to provide the minimum compliant clear width ?                 | ✗   |    |    |          |

|   |  |   |   |  |  |
|---|--|---|---|--|--|
| 7 | Do toilet stalls appear to provide the minimum compliant clear floor area ?  | X |   |  |  |
| 8 | Where more than one urinal is present in a multi-user restroom, does minimum one urinal appear to be mounted at a compliant height and with compliant approach width ? |   | X |  |  |
| 9 | Do accessories and mirrors appear to be mounted at a compliant height ?  | X |   |  |  |



## **Appendix D:** Component Condition Report

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**Component Condition Report | Thomas H. Henderson Middle School / Main Building**

| UF L3 Code       | Location            | Condition | Asset/Component/Repair  | Quantity   | RUL | ID      |
|------------------|---------------------|-----------|---|------------|-----|---------|
| <b>Structure</b> |                     |           |   |            |     |         |
| A1010            | Throughout          | Fair      | Foundation System, Concrete or CMU Walls w/ Continuous Footings                       | 13,200 LF  | 23  | 7456102 |
| A1010            | Throughout building | Fair      | Foundation System, Concrete or CMU Walls w/ Continuous Footings                       | 2,600 LF   | 23  | 7448702 |
| B1010            | Throughout          | Fair      | Structural Framing, Masonry (CMU) Bearing Walls                                       | 188,131 SF | 23  | 7456104 |
| <b>Facade</b>    |                     |           |   |            |     |         |
| B2010            | Building Exterior   | Fair      | Exterior Walls, Brick Veneer  | 38,800 SF  | 25  | 7448658 |
| B2020            | Building Exterior   | Fair      | Glazing, any type by SF   | 8,000 SF   | 7   | 7448639 |
| B2050            | Building Exterior   | Fair      | Exterior Door, Steel, Standard  | 19         | 6   | 7448610 |
| B2050            | Building Exterior   | Fair      | Exterior Door, Aluminum-Framed & Glazed, Standard Swing                               | 39         | 4   | 7448667 |
| <b>Roofing</b>   |                     |           |   |            |     |         |
| B3010            | Roof                | Poor      | Roofing, Built-Up   | 188,131 SF | 1   | 7448595 |
| <b>Interiors</b> |                     |           |   |            |     |         |
| C1030            | Throughout building | Fair      | Interior Door, Wood, Solid-Core   | 205        | 6   | 7448676 |
| C1030            | Throughout building | Fair      | Interior Door, Steel, Standard  | 41         | 5   | 7448543 |
| C1070            | Throughout building | Fair      | Suspended Ceilings, Acoustical Tile (ACT)   | 165,500 SF | 3   | 7448626 |
| C1090            | Throughout building | Fair      | Lockers, Steel-Baked Enamel, 12" W x 15" D x 72" H                                    | 1,625      | 6   | 7448575 |
| C1090            | Restrooms           | Fair      | Toilet Partitions, Plastic/Laminate   | 48         | 7   | 7448652 |
| C2010            | Throughout building | Fair      | Wall Finishes, any surface, Prep & Paint  | 282,000 SF | 5   | 7448699 |
| C2010            | Restrooms           | Fair      | Wall Finishes, Ceramic Tile   | 33,900 SF  | 5   | 7448574 |
| C2030            | Throughout building | Fair      | Flooring, Vinyl Tile (VCT)  | 35,700 SF  | 3   | 7448561 |
| C2030            | Gymnasium           | Fair      | Athletic Flooring, Indoor Gymnasium Resilient Flooring, Recycled Rubber, Rolled Goods | 13,200 SF  | 8   | 7448530 |
| C2030            | Throughout building | Excellent | Flooring, Carpet, Commercial Tile   | 112,900 SF | 9   | 7448510 |
| C2030            | Kitchen             | Fair      | Flooring, Quarry Tile   | 9,400 SF   | 6   | 7448623 |
| C2030            | Stage               | Fair      | Flooring, Wood, Strip, Refinish   | 1,900 SF   | 5   | 7448582 |
| C2030            | Restrooms           | Fair      | Flooring, Ceramic Tile  | 13,200 SF  | 5   | 7448655 |
| C2050            | Throughout building | Fair      | Ceiling Finishes, any flat surface, Prep & Paint                                      | 22,600 SF  | 5   | 7448527 |
| <b>Conveying</b> |                     |           |   |            |     |         |
| D1010            | Theatre             | Fair      | Stair Climber Inclined Lift, per Story, Replace/Install                               | 1          | 9   | 7448617 |
| <b>Plumbing</b>  |                     |           |   |            |     |         |
| D2010            | Boiler room         | Fair      | Storage Tank, Domestic Water  | 1          | 7   | 7448649 |
| D2010            | Utility closet      | Fair      | Sink/Lavatory, Service Sink, Floor  | 8          | 3   | 7448622 |
| D2010            | Locker Rooms        | Fair      | Shower, Valve & Showerhead  | 49         | 8   | 7448593 |
| D2010            | Kitchen             | Fair      | Sink/Lavatory, Commercial Kitchen, 2-Bowl   | 1          | 12  | 7448693 |
| D2010            | Kitchen             | Fair      | Sink/Lavatory, Commercial Kitchen, 3-Bowl   | 2          | 15  | 7448509 |
| D2010            | Main Building       | Fair      | Urinal, Standard  | 40         | 17  | 7448589 |

**Component Condition Report | Thomas H. Henderson Middle School / Main Building**

| UF L3 Code  | Location                     | Condition | Asset/Component/Repair   | Quantity   | RUL | ID      |
|-------------|------------------------------|-----------|--|------------|-----|---------|
| D2010       | Throughout building          | Good      | Drinking Fountain, Wall-Mounted, Single-Level                          | 23         | 12  | 7448550 |
| D2010       | Boiler room                  | Fair      | Water Heater, Gas, Commercial (200 MBH)                                | 1          | 3   | 7448557 |
| D2010       | Boiler room                  | Fair      | Water Heater, Gas, Commercial (125 MBH)                                | 1          | 3   | 7448608 |
| D2010       | Boiler room                  | Good      | Backflow Preventer, Domestic Water                                     | 1          | 24  | 7448678 |
| D2010       | Throughout building          | Fair      | Shower, Ceramic Tile   | 10         | 5   | 7448518 |
| D2010       | Restrooms                    | Fair      | Sink/Lavatory, Wall-Hung, Vitreous China                               | 69         | 3   | 7448681 |
| D2010       | Boiler room                  | Fair      | Storage Tank, Domestic Water   | 1          | 8   | 7448701 |
| D2010       | Boiler room                  | Fair      | Water Heater, Gas, Commercial (200 MBH)                                | 1          | 3   | 7448565 |
| D2010       | Throughout building          | Fair      | Plumbing System, Supply & Sanitary, Medium Density (excludes fixtures) | 188,131 SF | 13  | 7448513 |
| D2010       | Restrooms                    | Fair      | Toilet, Commercial Water Closet  | 56         | 19  | 7448629 |
| D2010       | Classrooms                   | Fair      | Emergency Plumbing Fixtures, Eye Wash                                  | 4          | 3   | 7448618 |
| D2010       | Throughout building          | Fair      | Sink/Lavatory, Vanity Top, Stainless Steel                             | 14         | 3   | 7448635 |
| D2030       | Boiler room                  | Fair      | Pump, Sump   | 1          | 6   | 7448605 |
| D2030       | Boiler room                  | Fair      | Pump, Sump   | 1          | 5   | 7448538 |
| D2060       | Boiler room                  | Good      | Air Compressor, Tank-Style   | 1          | 17  | 7448633 |
| D2060       | Boiler room                  | Good      | Supplemental Components, Compressed Air Dryer, Process Support         | 1          | 15  | 7448555 |
| D2060       | Boiler room                  | Fair      | Supplemental Components, Air Receiver Tank, Process Support            | 1          | 4   | 7448548 |
| <b>HVAC</b> |                              |           |  |            |     |         |
| D3020       | Boiler room                  | Fair      | Boiler, Gas, HVAC  | 1          | 15  | 7448584 |
| D3020       | Boiler room                  | Fair      | Boiler, Gas, HVAC  | 1          | 15  | 7448696 |
| D3020       | Boiler room                  | Good      | Boiler Supplemental Components, Chemical Feed System                   | 1          | 12  | 7448562 |
| D3020       | Boiler room                  | Fair      | Boiler, Gas, HVAC  | 1          | 15  | 7448631 |
| D3020       | Throughout building          | Fair      | Radiator, Hydronic, Baseboard (per LF)                                 | 85 LF      | 3   | 7448677 |
| D3020       | Boiler room                  | Fair      | Boiler, Gas, HVAC  | 1          | 15  | 7448657 |
| D3030       | Boiler room                  | Good      | Chiller, Water-Cooled  | 1          | 21  | 7448651 |
| D3030       | District Control Room        | Fair      | Split System, Fan Coil Unit, DX  | 1          | 8   | 7448577 |
| D3030       | Building exterior            | Good      | Cooling Tower, (Typical) Open Circuit                                  | 1          | 21  | 7448528 |
| D3030       | Building exterior            | Fair      | Split System, Condensing Unit/Heat Pump                                | 1          | 2   | 7448689 |
| D3050       | Media Center Mechanical Room | Fair      | Air Handler, Interior AHU, Easy/Moderate Access                        | 1          | 3   | 7448604 |
| D3050       | Boiler room                  | Fair      | Pump, Distribution, HVAC Heating Water                                 | 1          | 3   | 7448624 |
| D3050       | Boiler room                  | Fair      | Pump, Distribution, HVAC Chilled or Condenser Water                    | 1          | 3   | 7448521 |
| D3050       | Throughout building          | Fair      | Fan Coil Unit, Hydronic Terminal                                       | 23         | 3   | 7448632 |
| D3050       | Beta Mechanical room         | Fair      | Air Handler, Interior AHU, Easy/Moderate Access                        | 1          | 3   | 7448698 |
| D3050       | Main Building                | Fair      | HVAC System, Hydronic Piping, 4-Pipe                                   | 188,131 SF | 20  | 7448588 |
| D3050       | Boiler room                  | Fair      | Pump, Distribution, HVAC Chilled or Condenser Water                    | 1          | 3   | 7448533 |
| D3050       | Throughout building          | Fair      | HVAC System, Ductwork, Medium Density                                  | 188,131 SF | 15  | 7448583 |

**Component Condition Report | Thomas H. Henderson Middle School / Main Building**

| UF L3 Code             | Location                     | Condition | Asset/Component/Repair                                      | Quantity | RUL | ID      |
|------------------------|------------------------------|-----------|---|----------|-----|---------|
| D3050                  | Boiler room                  | Fair      | Air Handler, Interior AHU, Easy/Moderate Access             | 1        | 3   | 7448665 |
| D3050                  | Gymnasium Penthouse          | Fair      | Air Handler, Interior AHU, Easy/Moderate Access             | 1        | 3   | 7448529 |
| D3050                  | Gymnasium Penthouse          | Fair      | Air Handler, Interior AHU, Easy/Moderate Access             | 1        | 3   | 7448664 |
| D3050                  | Boiler room                  | Fair      | Pump, Distribution, HVAC Chilled or Condenser Water         | 1        | 3   | 7448580 |
| D3050                  | Gamma Mechanical room        | Fair      | Air Handler, Interior AHU, Easy/Moderate Access             | 1        | 3   | 7448671 |
| D3050                  | Boiler room                  | Fair      | Pump, Distribution, HVAC Heating Water                      | 1        | 3   | 7448662 |
| D3050                  | Gymnasium Penthouse          | Fair      | Air Handler, Interior AHU, Easy/Moderate Access             | 1        | 3   | 7448542 |
| D3050                  | Media Center Mechanical Room | Fair      | Air Handler, Interior AHU, Easy/Moderate Access             | 1        | 3   | 7448630 |
| D3050                  | Gymnasium Penthouse          | Fair      | Air Handler, Interior AHU, Easy/Moderate Access             | 1        | 3   | 7448691 |
| D3060                  | Throughout building          | Fair      | Supplemental Components, Air Purifier, Electrostatic        | 107      | 3   | 7448559 |
| D3060                  | Beta Mechanical room         | Fair      | Axial Flow Fan, In-Line, 7.5 HP Motor                       | 1        | 3   | 7448514 |
| D3060                  | Gymnasium Penthouse          | Fair      | Exhaust Fan, Centrifugal, 12" Damper                        | 1        | 3   | 7448519 |
| D3060                  | Gymnasium Penthouse          | Fair      | Axial Flow Fan, In-Line, 7.5 HP Motor                       | 1        | 3   | 7448520 |
| D3060                  | Gamma Mechanical room        | Fair      | Axial Flow Fan, In-Line, 7.5 HP Motor                       | 1        | 3   | 7448526 |
| D3060                  | Media Center Mechanical Room | Fair      | Axial Flow Fan, In-Line, 7.5 HP Motor                       | 1        | 3   | 7448619 |
| D3060                  | Building exterior            | Fair      | Exhaust Fan, Roof or Wall-Mounted, 12" Damper               | 1        | 3   | 7448591 |
| D3060                  | Gymnasium Penthouse          | Fair      | Axial Flow Fan, In-Line, 7.5 HP Motor                       | 1        | 3   | 7448531 |
| D3060                  | Gymnasium Penthouse          | Fair      | Exhaust Fan, Centrifugal, 12" Damper                        | 1        | 3   | 7448700 |
| D3060                  | Roof                         | Fair      | Exhaust Fan, Roof or Wall-Mounted, 16" Damper               | 1        | 3   | 7448680 |
| D3060                  | Media Center Mechanical Room | Fair      | Axial Flow Fan, In-Line, 7.5 HP Motor                       | 1        | 3   | 7448515 |
| D3060                  | Gymnasium Penthouse          | Fair      | Axial Flow Fan, In-Line, 5 HP Motor                         | 1        | 5   | 7448648 |
| <b>Fire Protection</b> |                              |           |   |          |     |         |
| D4010                  | Kitchen                      | Fair      | Fire Suppression System, Commercial Kitchen, per LF of Hood | 10 LF    | 7   | 7448675 |
| D4030                  | Kitchen                      | Fair      | Fire Extinguisher, Wet Chemical/CO2                         | 1        | 5   | 7448673 |
| <b>Electrical</b>      |                              |           |   |          |     |         |
| D5010                  | District Control Room        | Fair      | Uninterruptible Power Supply, UPS                           | 1        | 4   | 7448650 |
| D5010                  | District Control Room        | Fair      | Automatic Transfer Switch, ATS                              | 1        | 11  | 7448540 |
| D5010                  | Building Exterior            | Good      | Generator, Diesel   | 1        | 19  | 7448688 |
| D5020                  | Gymnasium Electrical room    | Fair      | Secondary Transformer, Dry, Stepdown                        | 1        | 3   | 7448679 |
| D5020                  | Beta Electrical room         | Fair      | Distribution Panel, 277/480 V                               | 1        | 15  | 7448581 |
| D5020                  | Electrical room              | Fair      | Distribution Panel, 277/480 V                               | 1        | 15  | 7448601 |
| D5020                  | Kitchen                      | Fair      | Distribution Panel, 120/208 V                               | 1        | 15  | 7448641 |
| D5020                  | Theatre                      | Fair      | Distribution Panel, 120/208 V                               | 1        | 15  | 7448572 |
| D5020                  | Electrical room              | Fair      | Distribution Panel, 277/480 V                               | 1        | 15  | 7448541 |
| D5020                  | Theatre                      | Fair      | Secondary Transformer, Dry, Stepdown                        | 1        | 3   | 7448692 |
| D5020                  | Gamma Electrical room        | Fair      | Distribution Panel, 120/208 V                               | 1        | 15  | 7448586 |



**Component Condition Report | Thomas H. Henderson Middle School / Main Building**

| UF L3 Code                                 | Location                     | Condition | Asset/Component/Repair   | Quantity   | RUL | ID      |
|--|------------------------------|-----------|--|------------|-----|---------|
| D5020                                      | Electrical room              | Fair      | Switchboard, 277/480 V   | 1          | 3   | 7448682 |
| D5020                                      | Gymnasium Penthouse          | Fair      | Distribution Panel, 277/480 V  | 1          | 15  | 7448596 |
| D5020                                      | Kitchen                      | Fair      | Distribution Panel, 120/208 V  | 1          | 15  | 7448643 |
| D5020                                      | Gamma Electrical room        | Fair      | Secondary Transformer, Dry, Stepdown                                       | 1          | 3   | 7448606 |
| D5020                                      | Boiler room                  | Fair      | Distribution Panel, 277/480 V  | 1          | 19  | 7448616 |
| D5020                                      | District Control Room        | Good      | Secondary Transformer, Dry, Stepdown                                       | 1          | 25  | 7448537 |
| D5020                                      | Delta Electrical room        | Fair      | Secondary Transformer, Dry, Stepdown                                       | 1          | 3   | 7448516 |
| D5020                                      | Electrical room              | Fair      | Secondary Transformer, Dry, Stepdown                                       | 1          | 4   | 7448598 |
| D5020                                      | District Control Room        | Fair      | Secondary Transformer, Dry, Stepdown                                       | 1          | 20  | 7448600 |
| D5020                                      | Gymnasium Penthouse          | Fair      | Secondary Transformer, Dry, Stepdown                                       | 1          | 3   | 7448674 |
| D5020                                      | Alpha Electrical room        | Fair      | Secondary Transformer, Dry, Stepdown                                       | 1          | 3   | 7448695 |
| D5020                                      | Theatre                      | Fair      | Distribution Panel, 120/208 V  | 1          | 3   | 7448602 |
| D5020                                      | Beta Electrical room         | Fair      | Secondary Transformer, Dry, Stepdown                                       | 1          | 3   | 7448615 |
| D5020                                      | Theatre                      | Good      | Switchboard, 277/480 V   | 1          | 30  | 7448659 |
| D5030                                      | Boiler room                  | Good      | Variable Frequency Drive, VFD, by HP of Motor, Replace/Install             | 1          | 15  | 7448553 |
| D5030                                      | Media Center Mechanical Room | Fair      | Variable Frequency Drive, VFD, by HP of Motor, Replace/Install             | 1          | 16  | 7448568 |
| D5030                                      | Throughout building          | Fair      | Electrical System, Wiring & Switches, Average or Low Density/Complexity    | 188,131 SF | 5   | 7448560 |
| D5030                                      | Beta Mechanical room         | Good      | Variable Frequency Drive, VFD, by HP of Motor, Replace/Install             | 1          | 16  | 7448594 |
| D5030                                      | Media Center Mechanical Room | Fair      | Variable Frequency Drive, VFD, by HP of Motor, Replace/Install             | 1          | 9   | 7448654 |
| D5030                                      | Boiler room                  | Good      | Variable Frequency Drive, VFD, by HP of Motor, Replace/Install             | 1          | 16  | 7448627 |
| D5030                                      | Gamma Mechanical room        | Good      | Variable Frequency Drive, VFD, by HP of Motor, Replace/Install             | 1          | 16  | 7448554 |
| D5030                                      | Gymnasium Penthouse          | Good      | Variable Frequency Drive, VFD, by HP of Motor, Replace/Install             | 1          | 15  | 7448524 |
| D5030                                      | Gamma Mechanical room        | Good      | Variable Frequency Drive, VFD, by HP of Motor, Replace/Install             | 1          | 16  | 7448690 |
| D5030                                      | Gymnasium Penthouse          | Good      | Variable Frequency Drive, VFD, by HP of Motor, Replace/Install             | 1          | 14  | 7448576 |
| D5030                                      | Boiler room                  | Good      | Variable Frequency Drive, VFD, by HP of Motor, Replace/Install             | 1          | 15  | 7448587 |
| D5030                                      | Boiler room                  | Good      | Variable Frequency Drive, VFD, by HP of Motor, Replace/Install             | 1          | 16  | 7448523 |
| D5030                                      | Gymnasium Penthouse          | Good      | Variable Frequency Drive, VFD, by HP of Motor, Replace/Install             | 1          | 15  | 7448569 |
| D5030                                      | Media Center Mechanical Room | Good      | Variable Frequency Drive, VFD, by HP of Motor, Replace/Install             | 1          | 16  | 7448686 |
| D5030                                      | Gymnasium Penthouse          | Good      | Variable Frequency Drive, VFD, by HP of Motor, Replace/Install             | 1          | 16  | 7448570 |
| D5030                                      | Beta Mechanical room         | Fair      | Variable Frequency Drive, VFD, by HP of Motor, Replace/Install             | 1          | 16  | 7448532 |
| D5030                                      | Media Center Mechanical Room | Fair      | Variable Frequency Drive, VFD, by HP of Motor, Replace/Install             | 1          | 9   | 7448536 |
| D5030                                      | Boiler room                  | Good      | Variable Frequency Drive, VFD, by HP of Motor, Replace/Install             | 1          | 15  | 7448647 |
| D5040                                      | Throughout building          | Fair      | Interior Lighting System, Full Upgrade, Medium Density & Standard Fixtures | 188,131 SF | 8   | 7448628 |
| <b>Fire Alarm &amp; Electronic Systems</b> |                              |           |  |            |     |         |
| D6020                                      | Throughout building          | Fair      | Low Voltage System, Phone & Data Lines                                     | 188,131 SF | 4   | 7448539 |
| D6060                                      | Throughout building          | Fair      | Intercom/PA System, Public Address Upgrade, Facility-Wide                  | 188,131 SF | 8   | 7448547 |

**Component Condition Report | Thomas H. Henderson Middle School / Main Building**

| UF L3 Code                         | Location            | Condition | Asset/Component/Repair  | Quantity   | RUL | ID      |
|------------------------------------|---------------------|-----------|---|------------|-----|---------|
| D7010                              | Throughout building | Fair      | Vehicular Access Devices, Loop Detector                                     | 1          | 7   | 7448697 |
| D7010                              | Restrooms           | Fair      | Vehicular Access Devices, Loop Detector                                     | 1          | 7   | 7448694 |
| D7030                              | Throughout building | Fair      | Security/Surveillance System, Full System Upgrade, Average Density          | 188,131 SF | 9   | 7448661 |
| D7050                              | Throughout building | Fair      | Fire Alarm System, Full System Upgrade, Simple Addressable, Upgrade/Install | 188,131 SF | 8   | 7448684 |
| D7050                              | Office              | Fair      | Fire Alarm Panel, Fully Addressable   | 1          | 2   | 7448564 |
| <b>Equipment &amp; Furnishings</b> |                     |           |   |            |     |         |
| E1030                              | Kitchen             | Fair      | Foodservice Equipment, Walk-In, Evaporator for Refrigerator/Freezer         | 1          | 3   | 7448534 |
| E1030                              | Kitchen             | Fair      | Foodservice Equipment, Walk-In, Condenser for Refrigerator/Freezer          | 1          | 7   | 7448683 |
| E1030                              | Kitchen             | Fair      | Foodservice Equipment, Walk-In, Condenser for Refrigerator/Freezer          | 1          | 5   | 7448625 |
| E1030                              | Locker Rooms        | Fair      | Laundry Equipment, Dryer, Commercial  | 1          | 5   | 7448646 |
| E1030                              | Kitchen             | Fair      | Foodservice Equipment, Convection Oven, Double                              | 1          | 3   | 7448636 |
| E1030                              | Kitchen             | Fair      | Foodservice Equipment, Food Warmer, Tabletop Drawers (Set of 4)             | 1          | 3   | 7448512 |
| E1030                              | Kitchen             | Fair      | Foodservice Equipment, Dairy Cooler/Wells                                   | 1          | 8   | 7448571 |
| E1030                              | Kitchen             | Good      | Foodservice Equipment, Refrigerator, 3-Door Reach-In                        | 1          | 12  | 7448685 |
| E1030                              | Kitchen             | Fair      | Foodservice Equipment, Exhaust Hood, 8 to 10 LF                             | 1          | 3   | 7448666 |
| E1030                              | Kitchen             | Good      | Foodservice Equipment, Steamer, Freestanding                                | 1          | 7   | 7448535 |
| E1030                              | Kitchen             | Fair      | Foodservice Equipment, Walk-In, Evaporator for Refrigerator/Freezer         | 1          | 3   | 7448597 |
| E1030                              | Locker Rooms        | Fair      | Foodservice Equipment, Icemaker, Freestanding                               | 1          | 8   | 7448637 |
| E1030                              | Kitchen             | Fair      | Foodservice Equipment, Heat Lamps, Food Warming Fixture                     | 1          | 3   | 7448590 |
| E1030                              | Kitchen             | Good      | Foodservice Equipment, Food Warmer, Proofing Cabinet on Wheels              | 1          | 11  | 7448511 |
| E1030                              | Kitchen             | Fair      | Foodservice Equipment, Mixer, Freestanding                                  | 1          | 8   | 7448549 |
| E1030                              | Kitchen             | Good      | Foodservice Equipment, Refrigerator, 3-Door Reach-In                        | 1          | 12  | 7448585 |
| E1030                              | Locker Rooms        | Fair      | Laundry Equipment, Washer, Commercial                                       | 1          | 5   | 7448578 |
| E1030                              | Kitchen             | Good      | Foodservice Equipment, Freezer, 3-Door Reach-In                             | 1          | 11  | 7448663 |
| E1030                              | Kitchen             | Fair      | Foodservice Equipment, Walk-In, Refrigerator                                | 1          | 3   | 7448612 |
| E1030                              | Kitchen             | Fair      | Foodservice Equipment, Steam Kettle   | 1          | 3   | 7448621 |
| E1030                              | Kitchen             | Fair      | Foodservice Equipment, Food Warmer, Tabletop Drawers (Set of 4)             | 1          | 3   | 7448522 |
| E1030                              | Kitchen             | Fair      | Foodservice Equipment, Convection Oven, Double                              | 1          | 3   | 7448668 |
| E1030                              | Kitchen             | Fair      | Foodservice Equipment, Heat Lamps, Food Warming Fixture                     | 1          | 3   | 7448660 |
| E1030                              | Kitchen             | Fair      | Foodservice Equipment, Food Warmer, Proofing Cabinet on Wheels              | 1          | 9   | 7448620 |
| E1030                              | Kitchen             | Good      | Foodservice Equipment, Walk-In, Freezer                                     | 1          | 16  | 7448645 |
| E1030                              | Kitchen             | Fair      | Foodservice Equipment, Dairy Cooler/Wells                                   | 1          | 8   | 7448642 |
| E1030                              | Kitchen             | Good      | Foodservice Equipment, Walk-In, Evaporator for Refrigerator/Freezer         | 1          | 11  | 7448545 |
| E1030                              | Kitchen             | Fair      | Foodservice Equipment, Food Warmer, Proofing Cabinet on Wheels              | 1          | 3   | 7448566 |
| E1030                              | Kitchen             | Fair      | Foodservice Equipment, Walk-In, Refrigerator                                | 1          | 3   | 7448653 |
| E1030                              | Kitchen             | Fair      | Foodservice Equipment, Dairy Cooler/Wells                                   | 1          | 8   | 7448607 |

**Component Condition Report | Thomas H. Henderson Middle School / Main Building**

| UF L3 Code  | Location            | Condition | Asset/Component/Repair  | Quantity | RUL | ID      |
|---|---------------------|-----------|---|----------|-----|---------|
| E1030   | Kitchen             | Fair      | Foodservice Equipment, Mixer, Freestanding                      | 1        | 8   | 7448558 |
| E1030   | Kitchen             | Good      | Foodservice Equipment, Freezer, 2-Door Reach-In                 | 1        | 11  | 7448644 |
| E1030   | Kitchen             | Good      | Foodservice Equipment, Refrigerator, 2-Door Reach-In            | 1        | 11  | 7448567 |
| E2010   | Throughout building | Fair      | Casework, Cabinetry Economy                                     | 350 LF   | 2   | 7448551 |
| E2010   | Throughout building | Fair      | Casework, Countertop, Plastic Laminate                          | 150 LF   | 2   | 7448592 |
| E2010   | Classrooms          | Fair      | Casework, Countertop, Solid Surface                             | 200 LF   | 15  | 7448609 |
| E2010   | Gymnasium           | Fair      | Bleachers, Telescoping Power-Operated, up to 15 Tier (per Seat) | 350      | 11  | 7448556 |
| E2010   | Theatre             | Fair      | Fixed Seating, Auditorium/Theater, Metal Cushioned Standard     | 213      | 7   | 7448669 |
| <b>Athletic, Recreational &amp; Playfield Areas</b> |                     |           |   |          |     |         |
| G2050   | Gymnasium           | Fair      | Sports Apparatus, Basketball, Backboard/Rim/Pole                | 6        | 9   | 7448517 |
| G2050   | Locker Rooms        | Fair      | Sports Apparatus, Player/Dugout Benches, 12' Length             | 20       | 6   | 7448614 |
| <b>Sitework</b>                                     |                     |           |   |          |     |         |
| G4050   | Building Exterior   | Good      | Exterior Fixture w/ Lamp, any type, w/ LED Replacement          | 28       | 16  | 7448579 |
| <b>Accessibility</b>                                |                     |           |   |          |     |         |
| Y1030   | Throughout building | NA        | ADA Entrances & Doors, Hardware, Lever Handle, Install          | 246      | 0   | 7448599 |
| Y1050   | Restrooms           | NA        | ADA Restrooms, Urinal, Height/Location/Clearance, Modify        | 1        | 0   | 7448640 |
| Y1050   | Restrooms           | NA        | ADA Restrooms, Lavatory, Pipe Wraps/Insulation, Install         | 1        | 0   | 7448546 |

**Component Condition Report | Thomas H. Henderson Middle School**

| UF L3 Code                                 | Location   | Condition | Asset/Component/Repair                                      | Quantity   | RUL | ID      |
|--|------------|-----------|---|------------|-----|---------|
| <b>Fire Alarm &amp; Electronic Systems</b> |            |           |   |            |     |         |
| D8010                                      | Throughout | Fair      | BAS/HVAC Controls, Basic System or Legacy Upgrades, Install | 188,131 SF | 10  | 7611470 |

**Component Condition Report | Thomas H. Henderson Middle School / Site**

| UF L3 Code  | Location      | Condition | Asset/Component/Repair   | Quantity  | RUL | ID      |
|---|---------------|-----------|--|-----------|-----|---------|
| <b>Pedestrian Plazas &amp; Walkways</b>             |               |           |  |           |     |         |
| G2020   | Parking lot   | Poor      | Parking Lots, Pavement, Asphalt, Seal & Stripe                                   | 86,500 SF | 1   | 7448525 |
| G2020   | Parking lot   | Fair      | Parking Lots, Pavement, Asphalt, Mill & Overlay                                  | 86,500 SF | 3   | 7448634 |
| G2030   | Site          | Poor      | Sidewalk, any pavement type, Sectional Repairs (per Man-Day), Repair             | 6         | 0   | 7448603 |
| <b>Athletic, Recreational &amp; Playfield Areas</b> |               |           |  |           |     |         |
| G2050   | Sports Courts | Poor      | Athletic Surfaces & Courts, Basketball/General, Asphalt Pavement, Mill & Overlay | 47,400 SF | 1   | 7448656 |
| G2050   | Sports Courts | Poor      | Sports Apparatus, Basketball, Backboard/Rim/Pole                                 | 8         | 1   | 7448687 |
| G2050   | Sports Courts | Poor      | Athletic Surfaces & Courts, Basketball/General, Asphalt Pavement, Seal & Stripe  | 47,400 SF | 1   | 7448672 |
| G2050   | Parking lot   | Good      | Sports Apparatus, Exercise Station Parks/Trails, Deluxe                          | 1         | 11  | 7448670 |
| <b>Sitework</b>                                     |               |           |  |           |     |         |
| G2060   | Site          | Fair      | Signage, Property, Pylon Standard, Replace/Install                               | 1         | 8   | 7448563 |

Component Condition Report | Thomas H. Henderson Middle School / Site

| UF L3 Code           | Location      | Condition | Asset/Component/Repair                                | Quantity | RUL | ID      |
|----------------------|---------------|-----------|---|----------|-----|---------|
| G2060                | Sports Courts | Fair      | Fences & Gates, Fence, Chain Link 8'                  | 640 LF   | 12  | 7448611 |
| G2060                | Site          | Fair      | Flagpole, Metal                                       | 2        | 15  | 7448552 |
| G2060                | Site          | Fair      | Picnic Table, Wood/Composite/Fiberglass               | 13       | 12  | 7448613 |
| G2080                | Site          | Poor      | Planter Boxes, Pre-Manufactured, High-End             | 180 LF   | 1   | 7448638 |
| <b>Accessibility</b> |               |           |   |          |     |         |
| Y1020                | Parking lot   | NA        | ADA Paths of Travel, Walkways, Curb Cut Ramp, Install | 1        | 0   | 7448573 |



## Appendix E: Replacement Reserves

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Replacement Reserves Report



5/23/2024

| Uniformat Code   | Location Description | ID      | Cost Description   | Lifespan (EUL) | EAge | RUL | Quantity | Unit | Unit Cost   | * Subtotal | 2024            | 2025               | 2026            | 2027               | 2028             | 2029               | 2030               | 2031             | 2032               | 2033               | 2034       | 2035             | 2036            | 2037               | 2038            | 2039               | 2040             | 2041             | 2042               | 2043               | 2044               | Deficiency Repair Estimate |           |          |
|--|----------------------|---------|--|----------------|------|-----|----------|------|-------------|------------|-----------------|--------------------|-----------------|--------------------|------------------|--------------------|--------------------|------------------|--------------------|--------------------|------------|------------------|-----------------|--------------------|-----------------|--------------------|------------------|------------------|--------------------|--------------------|--------------------|----------------------------|-----------|----------|
| E2010  | Classrooms           | 7448609 | Casework, Countertop, Solid Surface, Replace                             | 40             | 25   | 15  | 200      | LF   | \$110.00    | \$22,000   |                 |                    |                 |                    |                  |                    |                    |                  |                    |                    |            |                  |                 |                    |                 |                    |                  |                  |                    |                    |                    | \$22,000                   | \$22,000  |          |
| E2010  | Theatre              | 7448669 | Fixed Seating, Auditorium/Theater, Metal Cushioned Standard, Replace     | 20             | 13   | 7   | 213      | EA   | \$350.00    | \$74,550   |                 |                    |                 |                    |                  |                    |                    | \$74,550         |                    |                    |            |                  |                 |                    |                 |                    |                  |                  |                    |                    |                    |                            | \$74,550  |          |
| E2010  | Gymnasium            | 7448556 | Bleachers, Telescoping Power-Operated, up to 15 Tier (per Seat), Replace | 20             | 9    | 11  | 350      | EA   | \$450.00    | \$157,500  |                 |                    |                 |                    |                  |                    |                    |                  |                    |                    |            | \$157,500        |                 |                    |                 |                    |                  |                  |                    |                    |                    |                            | \$157,500 |          |
| G2050  | Locker Rooms         | 7448614 | Sports Apparatus, Player/Dugout Benches, 12' Length, Replace             | 15             | 9    | 6   | 20       | EA   | \$450.00    | \$9,000    |                 |                    |                 |                    |                  |                    | \$9,000            |                  |                    |                    |            |                  |                 |                    |                 |                    |                  |                  |                    |                    |                    |                            | \$9,000   |          |
| G2050  | Gymnasium            | 7448517 | Sports Apparatus, Basketball, Backboard/Rim/Pole, Replace                | 25             | 16   | 9   | 6        | EA   | \$14,250.00 | \$85,500   |                 |                    |                 |                    |                  |                    |                    |                  |                    | \$85,500           |            |                  |                 |                    |                 |                    |                  |                  |                    |                    |                    |                            | \$85,500  |          |
| G4050  | Building Exterior    | 7448579 | Exterior Fixture w/ Lamp, any type, w/ LED Replacement, Replace          | 20             | 4    | 16  | 28       | EA   | \$600.00    | \$16,800   |                 |                    |                 |                    |                  |                    |                    |                  |                    |                    |            |                  |                 |                    |                 |                    |                  |                  |                    |                    |                    |                            | \$16,800  | \$16,800 |
| Y1030  | Throughout building  | 7448599 | ADA Entrances & Doors, Hardware, Lever Handle, Install                   | 0              | 0    | 0   | 246      | EA   | \$300.00    | \$73,800   | \$73,800        |                    |                 |                    |                  |                    |                    |                  |                    |                    |            |                  |                 |                    |                 |                    |                  |                  |                    |                    |                    |                            | \$73,800  |          |
| Y1050  | Restrooms            | 7448546 | ADA Restrooms, Lavatory, Pipe Wraps/Insulation, Install                  | 0              | 0    | 0   | 1        | EA   | \$80.00     | \$80       | \$80            |                    |                 |                    |                  |                    |                    |                  |                    |                    |            |                  |                 |                    |                 |                    |                  |                  |                    |                    |                    |                            | \$80      |          |
| Y1050  | Restrooms            | 7448640 | ADA Restrooms, Urinal, Height/Location/Clearance, Modify                 | 0              | 0    | 0   | 1        | EA   | \$800.00    | \$800      | \$800           |                    |                 |                    |                  |                    |                    |                  |                    |                    |            |                  |                 |                    |                 |                    |                  |                  |                    |                    |                    |                            | \$800     |          |
| <b>Totals, Unescalated</b>                                     |                      |         |  |                |      |     |          |      |             |            | <b>\$74,680</b> | <b>\$5,267,668</b> | <b>\$88,950</b> | <b>\$2,732,300</b> | <b>\$383,897</b> | <b>\$1,869,798</b> | <b>\$1,225,070</b> | <b>\$590,350</b> | <b>\$2,705,584</b> | <b>\$1,232,312</b> | <b>\$0</b> | <b>\$192,300</b> | <b>\$54,200</b> | <b>\$3,031,201</b> | <b>\$10,000</b> | <b>\$1,655,024</b> | <b>\$149,200</b> | <b>\$92,800</b>  | <b>\$1,146,900</b> | <b>\$894,950</b>   | <b>\$1,529,618</b> | <b>\$24,926,801</b>        |           |          |
| <b>Totals, Escalated (3.0% inflation, compounded annually)</b> |                      |         |  |                |      |     |          |      |             |            | <b>\$74,680</b> | <b>\$5,425,698</b> | <b>\$94,367</b> | <b>\$2,985,658</b> | <b>\$432,079</b> | <b>\$2,167,608</b> | <b>\$1,462,798</b> | <b>\$726,056</b> | <b>\$3,427,352</b> | <b>\$1,607,888</b> | <b>\$0</b> | <b>\$266,188</b> | <b>\$77,276</b> | <b>\$4,451,421</b> | <b>\$15,126</b> | <b>\$2,578,473</b> | <b>\$239,422</b> | <b>\$153,384</b> | <b>\$1,952,520</b> | <b>\$1,569,300</b> | <b>\$2,762,660</b> | <b>\$32,469,956</b>        |           |          |

Thomas H. Henderson Middle School / Site

| Uniformat Code   | Location Description | ID      | Cost Description   | Lifespan (EUL) | EAge | RUL | Quantity | Unit | Unit Cost  | * Subtotal | 2024           | 2025             | 2026       | 2027             | 2028       | 2029       | 2030            | 2031       | 2032            | 2033       | 2034       | 2035            | 2036            | 2037       | 2038       | 2039           | 2040            | 2041       | 2042       | 2043       | 2044       | Deficiency Repair Estimate |           |
|--|----------------------|---------|--|----------------|------|-----|----------|------|------------|------------|----------------|------------------|------------|------------------|------------|------------|-----------------|------------|-----------------|------------|------------|-----------------|-----------------|------------|------------|----------------|-----------------|------------|------------|------------|------------|----------------------------|-----------|
| G2020  | Parking lot          | 7448525 | Parking Lots, Pavement, Asphalt, Seal & Stripe                                   | 5              | 4    | 1   | 86500    | SF   | \$0.45     | \$38,925   | \$38,925       |                  |            |                  |            |            | \$38,925        |            |                 |            |            |                 |                 |            |            |                |                 |            |            |            |            |                            | \$38,925  |
| G2020  | Parking lot          | 7448634 | Parking Lots, Pavement, Asphalt, Mill & Overlay                                  | 25             | 22   | 3   | 86500    | SF   | \$3.50     | \$302,750  |                |                  |            |                  |            |            |                 |            |                 |            |            |                 |                 |            |            |                |                 |            |            |            |            |                            | \$302,750 |
| G2030  | Site                 | 7448603 | Sidewalk, any pavement type, Sectional Repairs (per Man-Day), Repair             | 0              | 0    | 0   | 6        | EA   | \$1,000.00 | \$6,000    | \$6,000        |                  |            |                  |            |            |                 |            |                 |            |            |                 |                 |            |            |                |                 |            |            |            |            |                            | \$6,000   |
| G2050  | Sports Courts        | 7448656 | Athletic Surfaces & Courts, Basketball/General, Asphalt Pavement, Mill & Overlay | 25             | 24   | 1   | 47400    | SF   | \$3.50     | \$165,900  | \$165,900      |                  |            |                  |            |            |                 |            |                 |            |            |                 |                 |            |            |                |                 |            |            |            |            |                            | \$165,900 |
| G2050  | Sports Courts        | 7448687 | Sports Apparatus, Basketball, Backboard/Rim/Pole, Replace                        | 25             | 24   | 1   | 8        | EA   | \$9,500.00 | \$76,000   | \$76,000       |                  |            |                  |            |            |                 |            |                 |            |            |                 |                 |            |            |                |                 |            |            |            |            |                            | \$76,000  |
| G2050  | Sports Courts        | 7448672 | Athletic Surfaces & Courts, Basketball/General, Asphalt Pavement, Seal & Stripe  | 5              | 4    | 1   | 47400    | SF   | \$0.45     | \$21,330   | \$21,330       |                  |            |                  |            |            | \$21,330        |            |                 |            |            |                 |                 |            |            |                |                 |            |            |            |            |                            | \$21,330  |
| G2050  | Parking lot          | 7448670 | Sports Apparatus, Exercise Station Parks/Trails, Deluxe, Replace                 | 15             | 4    | 11  | 1        | EA   | \$2,000.00 | \$2,000    |                |                  |            |                  |            |            |                 |            |                 |            |            | \$2,000         |                 |            |            |                |                 |            |            |            |            |                            | \$2,000   |
| G2060  | Sports Courts        | 7448611 | Fences & Gates, Fence, Chain Link 8", Replace                                    | 40             | 28   | 12  | 640      | LF   | \$25.00    | \$16,000   |                |                  |            |                  |            |            |                 |            |                 |            |            |                 | \$16,000        |            |            |                |                 |            |            |            |            |                            | \$16,000  |
| G2060  | Site                 | 7448613 | Picnic Table, Wood/Composite/Fiberglass, Replace                                 | 20             | 8    | 12  | 13       | EA   | \$600.00   | \$7,800    |                |                  |            |                  |            |            |                 |            |                 |            |            |                 | \$7,800         |            |            |                |                 |            |            |            |            |                            | \$7,800   |
| G2060  | Site                 | 7448563 | Signage, Property, Pylon Standard, Replace/Install                               | 20             | 12   | 8   | 1        | EA   | \$9,500.00 | \$9,500    |                |                  |            |                  |            |            |                 |            | \$9,500         |            |            |                 |                 |            |            |                |                 |            |            |            |            |                            | \$9,500   |
| G2060  | Site                 | 7448552 | Flagpole, Metal, Replace   | 30             | 15   | 15  | 2        | EA   | \$2,500.00 | \$5,000    |                |                  |            |                  |            |            |                 |            |                 |            |            |                 |                 |            | \$5,000    |                |                 |            |            |            |            |                            | \$5,000   |
| G2080  | Site                 | 7448638 | Planter Boxes, Pre-Manufactured, High-End, Replace                               | 25             | 24   | 1   | 180      | LF   | \$300.00   | \$54,000   | \$54,000       |                  |            |                  |            |            |                 |            |                 |            |            |                 |                 |            |            |                |                 |            |            |            |            |                            | \$54,000  |
| Y1020  | Parking lot          | 7448573 | ADA Paths of Travel, Walkways, Curb Cut Ramp, Install                            | 0              | 0    | 0   | 1        | EA   | \$2,000.00 | \$2,000    | \$2,000        |                  |            |                  |            |            |                 |            |                 |            |            |                 |                 |            |            |                |                 |            |            |            |            |                            | \$2,000   |
| <b>Totals, Unescalated</b>                                     |                      |         |  |                |      |     |          |      |            |            | <b>\$8,000</b> | <b>\$356,155</b> | <b>\$0</b> | <b>\$302,750</b> | <b>\$0</b> | <b>\$0</b> | <b>\$60,255</b> | <b>\$0</b> | <b>\$9,500</b>  | <b>\$0</b> | <b>\$0</b> | <b>\$62,255</b> | <b>\$23,800</b> | <b>\$0</b> | <b>\$0</b> | <b>\$5,000</b> | <b>\$60,255</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$887,970</b>           |           |
| <b>Totals, Escalated (3.0% inflation, compounded annually)</b> |                      |         |  |                |      |     |          |      |            |            | <b>\$8,000</b> | <b>\$366,840</b> | <b>\$0</b> | <b>\$330,823</b> | <b>\$0</b> | <b>\$0</b> | <b>\$71,948</b> | <b>\$0</b> | <b>\$12,034</b> | <b>\$0</b> | <b>\$0</b> | <b>\$86,175</b> | <b>\$33,933</b> | <b>\$0</b> | <b>\$0</b> | <b>\$7,790</b> | <b>\$96,692</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$0</b> | <b>\$1,014,235</b>         |           |

## Appendix F: Equipment Inventory List

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**D10 Conveying**

| Index | ID      | UFCode | Component Description              | Attributes | Capacity | Building  | Location Detail | Manufacturer | Model | Serial | Dataplate Yr | Barcode | Qty |
|-------|---------|--------|------------------------------------|------------|----------|---|-----------------|--------------|-------|--------|--------------|---------|-----|
| 1     | 7448617 | D1010  | <b>Stair Climber Inclined Lift</b> | per Story  |          | Thomas H. Henderson Middle School / Main Building | Theatre         |              |       |        | 2008         |         |     |

**D20 Plumbing**

| Index | ID      | UFCode | Component Description          | Attributes                            | Capacity | Building  | Location Detail | Manufacturer    | Model        | Serial          | Dataplate Yr | Barcode | Qty |
|-------|---------|--------|--------------------------------|---------------------------------------|----------|---|-----------------|-----------------|--------------|-----------------|--------------|---------|-----|
| 1     | 7448649 | D2010  | <b>Storage Tank</b>            | Domestic Water                        | 2000 GAL | Thomas H. Henderson Middle School / Main Building | Boiler room     | No dataplate    | No dataplate | No dataplate    |              | 3259    |     |
| 2     | 7448701 | D2010  | <b>Storage Tank</b>            | Domestic Water                        | 2000 GAL | Thomas H. Henderson Middle School / Main Building | Boiler room     | No dataplate    | No dataplate | No dataplate    |              | 3260    |     |
| 3     | 7448608 | D2010  | <b>Water Heater</b>            | Gas, Commercial (125 MBH)             | 75 GAL   | Thomas H. Henderson Middle School / Main Building | Boiler room     | Inaccessible    | Inaccessible | Inaccessible    |              | 3238    |     |
| 4     | 7448557 | D2010  | <b>Water Heater</b>            | Gas, Commercial (200 MBH)             | 120 GAL  | Thomas H. Henderson Middle School / Main Building | Boiler room     | A. O. Smith     | HW 225M 942  | 9.12 M 00-60553 |              | 3234    |     |
| 5     | 7448565 | D2010  | <b>Water Heater</b>            | Gas, Commercial (200 MBH)             | 184 GAL  | Thomas H. Henderson Middle School / Main Building | Boiler room     | A. O. Smith     | BIR 199 110  | MB011010595     | 2001         | 3235    |     |
| 6     | 7448678 | D2010  | <b>Backflow Preventer</b>      | Domestic Water                        | 2 IN     | Thomas H. Henderson Middle School / Main Building | Boiler room     | Watts Regulator | LF909        | 008335          |              | 3245    |     |
| 7     | 7448605 | D2030  | <b>Pump</b>                    | Sump                                  | 1.5 HP   | Thomas H. Henderson Middle School / Main Building | Boiler room     | Howell          | M182T6       | C32222          |              | 3248    |     |
| 8     | 7448538 | D2030  | <b>Pump</b>                    | Sump                                  | 1.5 HP   | Thomas H. Henderson Middle School / Main Building | Boiler room     | Howell          | M182TC       | 652222          |              | 3252    |     |
| 9     | 7448633 | D2060  | <b>Air Compressor</b>          | Tank-Style                            | 5 HP     | Thomas H. Henderson Middle School / Main Building | Boiler room     | Ingersoll Rand  | 2340         | NAR10668170     |              | 3221    |     |
| 10    | 7448548 | D2060  | <b>Supplemental Components</b> | Air Receiver Tank, Process Support    | 120 GAL  | Thomas H. Henderson Middle School / Main Building | Boiler room     | Illegible       | Illegible    | Illegible       |              | 3225    |     |
| 11    | 7448555 | D2060  | <b>Supplemental Components</b> | Compressed Air Dryer, Process Support | 100 CFM  | Thomas H. Henderson Middle School / Main Building | Boiler room     | SPX Flow        | 3YA46A       | 19K1153YA460535 | 2019         | 3229    |     |

**D30 HVAC**

| Index | ID      | UFCode | Component Description                 | Attributes                   | Capacity | Building  | Location Detail     | Manufacturer         | Model        | Serial         | Dataplate Yr | Barcode | Qty |
|-------|---------|--------|---------------------------------------|------------------------------|----------|---|---------------------|----------------------|--------------|----------------|--------------|---------|-----|
| 1     | 7448584 | D3020  | <b>Boiler</b>                         | Gas, HVAC                    | 2060 MBH | Thomas H. Henderson Middle School / Main Building | Boiler room         | Patterson-Kelley     |              | CY32-09-33851  | 2009         | 3226    |     |
| 2     | 7448696 | D3020  | <b>Boiler</b>                         | Gas, HVAC                    | 2060 MBH | Thomas H. Henderson Middle School / Main Building | Boiler room         | Patterson-Kelley     |              | CY52-09-83843  | 2009         | 3231    |     |
| 3     | 7448631 | D3020  | <b>Boiler</b>                         | Gas, HVAC                    | 2060 MBH | Thomas H. Henderson Middle School / Main Building | Boiler room         | Patterson-Kelley     |              | CY32-09-33845  | 2009         | 3239    |     |
| 4     | 7448657 | D3020  | <b>Boiler</b>                         | Gas, HVAC                    | 2060 MBH | Thomas H. Henderson Middle School / Main Building | Boiler room         | Patterson-Kelley     |              | CY32-09-33841  | 2009         | 3230    |     |
| 5     | 7448677 | D3020  | <b>Radiator</b>                       | Hydronic, Baseboard (per LF) |          | Thomas H. Henderson Middle School / Main Building | Throughout building |                      |              |                |              |         | 85  |
| 6     | 7448562 | D3020  | <b>Boiler Supplemental Components</b> | Chemical Feed System         |          | Thomas H. Henderson Middle School / Main Building | Boiler room         | Advanced Controllers | XSCF3E6      | 0385882L22-010 |              | 3247    |     |
| 7     | 7448651 | D3030  | <b>Chiller</b>                        | Water-Cooled                 | 570 TON  | Thomas H. Henderson Middle School / Main Building | Boiler room         | Daikin Industries    | WME092CSCSNA | STNU181100032  | 2020         |         |     |
| 8     | 7448528 | D3030  | <b>Cooling Tower</b>                  | (Typical) Open Circuit       | 578 TON  | Thomas H. Henderson Middle School / Main Building | Building exterior   | Evapco               | AT 29-3K21   | 19-873578      | 2020         | 3523    |     |
| 9     | 7448689 | D3030  | <b>Split System</b>                   | Condensing Unit/Heat Pump    | 4 TON    | Thomas H. Henderson Middle School / Main Building | Building exterior   | Thermal Zone         | Inaccessible | Inaccessible   | 2011         | 3524    |     |

|    |         |       |                |   |           |   |                              |                |                |                  |      |      |
|----|---------|-------|----------------|---|-----------|---|------------------------------|----------------|----------------|------------------|------|------|
| 10 | 7448577 | D3030 | Split System   | Fan Coil Unit, DX                             | 4 TON     | Thomas H. Henderson Middle School / Main Building | District Control Room        | Inaccessible   | Inaccessible   | Inaccessible     |      |      |
| 11 | 7448521 | D3050 | Pump           | Distribution, HVAC Chilled or Condenser Water | 60 HP     | Thomas H. Henderson Middle School / Main Building | Boiler room                  | Bell & Gossett | VSX-VSC        | C283481-01       | 1991 | 3241 |
| 12 | 7448533 | D3050 | Pump           | Distribution, HVAC Chilled or Condenser Water | 60 HP     | Thomas H. Henderson Middle School / Main Building | Boiler room                  | Bell & Gossett | VXS-VSC        | C283480-01       | 1991 | 3240 |
| 13 | 7448580 | D3050 | Pump           | Distribution, HVAC Chilled or Condenser Water | 60 HP     | Thomas H. Henderson Middle School / Main Building | Boiler room                  | Bell & Gossett | Inaccessible   | Inaccessible     | 1991 | 3255 |
| 14 | 7448624 | D3050 | Pump           | Distribution, HVAC Heating Water              | 30 HP     | Thomas H. Henderson Middle School / Main Building | Boiler room                  | Bell & Gossett | VSX-VSC        | C283427-01       | 1991 | 3233 |
| 15 | 7448662 | D3050 | Pump           | Distribution, HVAC Heating Water              | 30 HP     | Thomas H. Henderson Middle School / Main Building | Boiler room                  | Bell & Gossett | VSX VSC        | C283427-02       | 1991 | 3237 |
| 16 | 7448604 | D3050 | Air Handler    | Interior AHU, Easy/Moderate Access            | 4200 CFM  | Thomas H. Henderson Middle School / Main Building | Media Center Mechanical Room | Carrier        | 39BD1304TR10-P | 724854786        | 1972 | 3297 |
| 17 | 7448698 | D3050 | Air Handler    | Interior AHU, Easy/Moderate Access            | 4200 CFM  | Thomas H. Henderson Middle School / Main Building | Beta Mechanical room         | Carrier        | 39BD1304TR10-P | 724854797        | 1972 | 3362 |
| 18 | 7448665 | D3050 | Air Handler    | Interior AHU, Easy/Moderate Access            | 5000 CFM  | Thomas H. Henderson Middle School / Main Building | Boiler room                  | Inaccessible   | Inaccessible   | Inaccessible     |      | 3251 |
| 19 | 7448529 | D3050 | Air Handler    | Interior AHU, Easy/Moderate Access            | 3800 CFM  | Thomas H. Henderson Middle School / Main Building | Gymnasium Penthouse          | Carrier        | 39BB1202TA10-- | 724354800        | 1972 | 3269 |
| 20 | 7448664 | D3050 | Air Handler    | Interior AHU, Easy/Moderate Access            | 4500 CFM  | Thomas H. Henderson Middle School / Main Building | Gymnasium Penthouse          | Carrier        | 39BD1354TR10-P | Illegible        | 1972 | 3266 |
| 21 | 7448671 | D3050 | Air Handler    | Interior AHU, Easy/Moderate Access            | 4200 CFM  | Thomas H. Henderson Middle School / Main Building | Gamma Mechanical room        | Carrier        | 39BD1303TL10-P | 724854794        | 1972 | 3291 |
| 22 | 7448542 | D3050 | Air Handler    | Interior AHU, Easy/Moderate Access            | 2000 CFM  | Thomas H. Henderson Middle School / Main Building | Gymnasium Penthouse          | Carrier        | 39BB1202TA10-- | 724401848        | 1972 | 3279 |
| 23 | 7448630 | D3050 | Air Handler    | Interior AHU, Easy/Moderate Access            | 4200 CFM  | Thomas H. Henderson Middle School / Main Building | Media Center Mechanical Room | Carrier        | 39BD1304TR10-P | 724854785        | 1972 | 3298 |
| 24 | 7448691 | D3050 | Air Handler    | Interior AHU, Easy/Moderate Access            | 4500 CFM  | Thomas H. Henderson Middle School / Main Building | Gymnasium Penthouse          | Carrier        | 39BD1354TR10-P | 724854798        | 1972 | 3271 |
| 25 | 7448632 | D3050 | Fan Coil Unit  | Hydronic Terminal                             | 2000 CFM  | Thomas H. Henderson Middle School / Main Building | Throughout building          |                |                |                  |      | 23   |
| 26 | 7448648 | D3060 | Axial Flow Fan | In-Line, 5 HP Motor                           | 11030 CFM | Thomas H. Henderson Middle School / Main Building | Gymnasium Penthouse          | Carrier        | 27GA330AA      | BF1150-07-08-072 |      | 3265 |
| 27 | 7448514 | D3060 | Axial Flow Fan | In-Line, 7.5 HP Motor                         | 21000 CFM | Thomas H. Henderson Middle School / Main Building | Beta Mechanical room         | Carrier        | 27GA445BF      | 0B1150-01-082    |      | 3290 |
| 28 | 7448520 | D3060 | Axial Flow Fan | In-Line, 7.5 HP Motor                         | 26000 CFM | Thomas H. Henderson Middle School / Main Building | Gymnasium Penthouse          | Carrier        | 27GA330AA      | 0B1150-04-082    | 1972 | 3274 |
| 29 | 7448526 | D3060 | Axial Flow Fan | In-Line, 7.5 HP Motor                         | 22000 CFM | Thomas H. Henderson Middle School / Main Building | Gamma Mechanical room        | Carrier        | 27GA4458C      | 0B1150402-082    | 1972 | 3299 |
| 30 | 7448619 | D3060 | Axial Flow Fan | In-Line, 7.5 HP Motor                         | 24000 CFM | Thomas H. Henderson Middle School / Main Building | Media Center Mechanical Room | Carrier        | 27GA445JJ      | 0B1150-05-082    |      | 3270 |
| 31 | 7448531 | D3060 | Axial Flow Fan | In-Line, 7.5 HP Motor                         | 23000 CFM | Thomas H. Henderson Middle School / Main Building | Gymnasium Penthouse          | Carrier        | 27GA330AA      | CB1150-03-082    |      | 3278 |
| 32 | 7448515 | D3060 | Axial Flow Fan | In-Line, 7.5 HP Motor                         | 23000 CFM | Thomas H. Henderson Middle School / Main Building | Media Center Mechanical Room | Carrier        | 27GA445JK      | 0B1150-06-082    | 1972 | 3292 |
| 33 | 7448519 | D3060 | Exhaust Fan    | Centrifugal, 12" Damper                       | 1000 CFM  | Thomas H. Henderson Middle School / Main Building | Gymnasium Penthouse          | Champion       | 1062-M         | L72675-1         | 1972 | 3275 |



|    |         |       |                                |                                  |          |   |                     |           |              |           |      |      |
|----|---------|-------|--------------------------------|----------------------------------|----------|---|---------------------|-----------|--------------|-----------|------|------|
| 34 | 7448700 | D3060 | <b>Exhaust Fan</b>             | Centrifugal, 12" Damper          | 1000 CFM | Thomas H. Henderson Middle School / Main Building | Gymnasium Penthouse | Champion  | 1062-M       | L72675-2  | 1972 | 3277 |
| 35 | 7448591 | D3060 | <b>Exhaust Fan</b>             | Roof or Wall-Mounted, 12" Damper | 600 CFM  | Thomas H. Henderson Middle School / Main Building | Building exterior   | JennAir   | No dataplate | 10CWE     |      | 3530 |
| 36 | 7448680 | D3060 | <b>Exhaust Fan</b>             | Roof or Wall-Mounted, 16" Damper | 1300 CFM | Thomas H. Henderson Middle School / Main Building | Roof                | Illegible | Illegible    | Illegible |      | 3280 |
| 37 | 7448559 | D3060 | <b>Supplemental Components</b> | Air Purifier, Electrostatic      | 600 CFM  | Thomas H. Henderson Middle School / Main Building | Throughout building | Carrier   | FN1AAF006    | NA        |      | 107  |

#### D40 Fire Protection

| Index | ID      | UFCode | Component Description          | Attributes                         | Capacity | Building  | Location Detail | Manufacturer | Model        | Serial       | Dataplate Yr | Barcode | Qty |
|-------|---------|--------|--------------------------------|------------------------------------|----------|---|-----------------|--------------|--------------|--------------|--------------|---------|-----|
| 1     | 7448675 | D4010  | <b>Fire Suppression System</b> | Commercial Kitchen, per LF of Hood |          | Thomas H. Henderson Middle School / Main Building | Kitchen         | Ansul        | No dataplate | No dataplate |              | 3224    | 10  |
| 2     | 7448673 | D4030  | <b>Fire Extinguisher</b>       | Wet Chemical/CO2                   |          | Thomas H. Henderson Middle School / Main Building | Kitchen         |              |              |              |              |         |     |

#### D50 Electrical

| Index | ID      | UFCode | Component Description               | Attributes    | Capacity | Building  | Location Detail           | Manufacturer             | Model        | Serial            | Dataplate Yr | Barcode | Qty |
|-------|---------|--------|-------------------------------------|---------------|----------|---|---------------------------|--------------------------|--------------|-------------------|--------------|---------|-----|
| 1     | 7448688 | D5010  | <b>Generator</b>                    | Diesel        | 100 KW   | Thomas H. Henderson Middle School / Main Building | Building Exterior         | Generac                  | Inaccessible | Inaccessible      |              | 3521    |     |
| 2     | 7448650 | D5010  | <b>Uninterruptible Power Supply</b> | UPS           | 30 KVA   | Thomas H. Henderson Middle School / Main Building | District Control Room     | Liebert                  | NXb 30       | 38-6248           | 2009         | 3282    |     |
| 3     | 7448540 | D5010  | <b>Automatic Transfer Switch</b>    | ATS           | 150 AMP  | Thomas H. Henderson Middle School / Main Building | District Control Room     | Generac                  | 12353150100  | 102842            | 2010         | 3286    |     |
| 4     | 7448679 | D5020  | <b>Secondary Transformer</b>        | Dry, Stepdown | 30 KVA   | Thomas H. Henderson Middle School / Main Building | Gymnasium Electrical room | Federal Pacific Electric | 36A          | 22716-024         | 1972         | 3257    |     |
| 5     | 7448692 | D5020  | <b>Secondary Transformer</b>        | Dry, Stepdown | 300 KVA  | Thomas H. Henderson Middle School / Main Building | Theatre                   | Federal Pacific Electric | NA           | 22320-010         | 1972         | 3253    |     |
| 6     | 7448606 | D5020  | <b>Secondary Transformer</b>        | Dry, Stepdown | 75 KVA   | Thomas H. Henderson Middle School / Main Building | Gamma Electrical room     | Federal Pacific Electric | NA           | 22455-006         | 1972         | 3295    |     |
| 7     | 7448537 | D5020  | <b>Secondary Transformer</b>        | Dry, Stepdown | 75 KVA   | Thomas H. Henderson Middle School / Main Building | District Control Room     | General Electric         | 9T83B3874    | No dataplate      |              | 3281    |     |
| 8     | 7448516 | D5020  | <b>Secondary Transformer</b>        | Dry, Stepdown | 75 KVA   | Thomas H. Henderson Middle School / Main Building | Delta Electrical room     | Federal Pacific Electric | NA           | 22455-028         | 1972         | 3293    |     |
| 9     | 7448598 | D5020  | <b>Secondary Transformer</b>        | Dry, Stepdown | 150 KVA  | Thomas H. Henderson Middle School / Main Building | Electrical room           | Federal Pacific Electric | NA           | 22687-030         | 1972         | 3531    |     |
| 10    | 7448600 | D5020  | <b>Secondary Transformer</b>        | Dry, Stepdown | 75 KVA   | Thomas H. Henderson Middle School / Main Building | District Control Room     | General Electric         | 9T23B3874    | Inaccessible      | 2014         | 3283    |     |
| 11    | 7448674 | D5020  | <b>Secondary Transformer</b>        | Dry, Stepdown | 30 KVA   | Thomas H. Henderson Middle School / Main Building | Gymnasium Penthouse       | Federal Pacific Electric | 36A          | 22716-014         | 1972         | 3261    |     |
| 12    | 7448695 | D5020  | <b>Secondary Transformer</b>        | Dry, Stepdown | 75 KVA   | Thomas H. Henderson Middle School / Main Building | Alpha Electrical room     | Federal Pacific Electric | NA           | 22454-006         | 1972         | 3368    |     |
| 13    | 7448615 | D5020  | <b>Secondary Transformer</b>        | Dry, Stepdown | 75 KVA   | Thomas H. Henderson Middle School / Main Building | Beta Electrical room      | Federal Pacific Electric | NA           | 22455-002         | 1972         | 3285    |     |
| 14    | 7448682 | D5020  | <b>Switchboard</b>                  | 277/480 V     | 2000 AMP | Thomas H. Henderson Middle School / Main Building | Electrical room           | Federal Pacific Electric | VCB          | 71-11-158         | 1972         | 3525    |     |
| 15    | 7448659 | D5020  | <b>Switchboard</b>                  | 277/480 V     | 1600 AMP | Thomas H. Henderson Middle School / Main Building | Theatre                   | Square D                 |              |                   |              | 3263    |     |
| 16    | 7448641 | D5020  | <b>Distribution Panel</b>           | 120/208 V     | 400 AMP  | Thomas H. Henderson Middle School / Main Building | Kitchen                   | Square D                 | NA           | 12267390330730001 | 2009         | 3215    |     |

|    |         |       |                          |                     |         |   |                              |                          |                        |                   |      |      |
|----|---------|-------|--------------------------|---------------------|---------|---|------------------------------|--------------------------|------------------------|-------------------|------|------|
| 17 | 7448572 | D5020 | Distribution Panel       | 120/208 V           | 800 AMP | Thomas H. Henderson Middle School / Main Building | Theatre                      | Square D                 | 12267390330020001      | 09313             | 2009 | 3264 |
| 18 | 7448586 | D5020 | Distribution Panel       | 120/208 V           | 600 AMP | Thomas H. Henderson Middle School / Main Building | Gamma Electrical room        | Square D                 | Inaccessible           | Inaccessible      | 2009 | 3294 |
| 19 | 7448643 | D5020 | Distribution Panel       | 120/208 V           | 400 AMP | Thomas H. Henderson Middle School / Main Building | Kitchen                      | Square D                 | NA                     | 12267390330720001 | 2009 | 3216 |
| 20 | 7448602 | D5020 | Distribution Panel       | 120/208 V           | 600 AMP | Thomas H. Henderson Middle School / Main Building | Theatre                      | Federal Pacific Electric | Inaccessible           | Inaccessible      | 1972 | 3250 |
| 21 | 7448581 | D5020 | Distribution Panel       | 277/480 V           | 400 AMP | Thomas H. Henderson Middle School / Main Building | Beta Electrical room         | Square D                 | 12267390330110007      | 09324             | 2009 | 3289 |
| 22 | 7448601 | D5020 | Distribution Panel       | 277/480 V           | 800 AMP | Thomas H. Henderson Middle School / Main Building | Electrical room              | Square D                 | HCP54868SU             | 09472             | 2009 | 3532 |
| 23 | 7448541 | D5020 | Distribution Panel       | 277/480 V           | 800 AMP | Thomas H. Henderson Middle School / Main Building | Electrical room              | Square D                 | 12267390330740001      | 09324             | 2009 | 3528 |
| 24 | 7448596 | D5020 | Distribution Panel       | 277/480 V           | 400 AMP | Thomas H. Henderson Middle School / Main Building | Gymnasium Penthouse          | Square D                 | 12267390330580001      | 09313             | 2009 | 3262 |
| 25 | 7448616 | D5020 | Distribution Panel       | 277/480 V           | 400 AMP | Thomas H. Henderson Middle School / Main Building | Boiler room                  | Square D                 | NF442L4C               | 19134             | 2013 | 3256 |
| 26 | 7448553 | D5030 | Variable Frequency Drive | VFD, by HP of Motor | 60 HP   | Thomas H. Henderson Middle School / Main Building | Boiler room                  | ABB                      | ACH550-VCR-078A-4      | 2192705040        | 2019 | 3244 |
| 27 | 7448568 | D5030 | Variable Frequency Drive | VFD, by HP of Motor | 40 HP   | Thomas H. Henderson Middle School / Main Building | Media Center Mechanical Room | Daikin Industries        | ACH550-UH-059A-4       | 2202103058        | 2020 | 3288 |
| 28 | 7448594 | D5030 | Variable Frequency Drive | VFD, by HP of Motor | 40 HP   | Thomas H. Henderson Middle School / Main Building | Beta Mechanical room         | AAB                      | ACH580-VCR-052A-4+F267 | 2202603823        | 2020 | 3363 |
| 29 | 7448654 | D5030 | Variable Frequency Drive | VFD, by HP of Motor | 20 HP   | Thomas H. Henderson Middle School / Main Building | Media Center Mechanical Room | Goulds Water Technology  | ACS550-U1-031A-4       | 2132000362        | 2013 | 3273 |
| 30 | 7448627 | D5030 | Variable Frequency Drive | VFD, by HP of Motor | 20 HP   | Thomas H. Henderson Middle School / Main Building | Boiler room                  | AAB                      | ACH550-VCR-031A-4      | 2192705094        | 2020 | 3227 |
| 31 | 7448554 | D5030 | Variable Frequency Drive | VFD, by HP of Motor | 7.5 HP  | Thomas H. Henderson Middle School / Main Building | Gamma Mechanical room        | AAB                      | ACH580-VCR-012A-4+F267 | 2202603731        | 2020 | 3300 |
| 32 | 7448524 | D5030 | Variable Frequency Drive | VFD, by HP of Motor | 60 HP   | Thomas H. Henderson Middle School / Main Building | Gymnasium Penthouse          | Daikin Industries        | ACH550-UH-078A-4       | 2191605424        | 2019 | 3268 |
| 33 | 7448690 | D5030 | Variable Frequency Drive | VFD, by HP of Motor | 40 HP   | Thomas H. Henderson Middle School / Main Building | Gamma Mechanical room        | AAB                      | ACH580-VCR-052A-4+F267 | 2202603843        | 2020 | 3296 |
| 34 | 7448576 | D5030 | Variable Frequency Drive | VFD, by HP of Motor | 20 HP   | Thomas H. Henderson Middle School / Main Building | Gymnasium Penthouse          | AAB                      | ACH550-UH-038A-4       | 2182607675        | 2018 | 3276 |
| 35 | 7448587 | D5030 | Variable Frequency Drive | VFD, by HP of Motor | 60 HP   | Thomas H. Henderson Middle School / Main Building | Boiler room                  | ABB                      | ACH550-VCR-078A-4      | 2192705053        | 2019 | 3242 |
| 36 | 7448523 | D5030 | Variable Frequency Drive | VFD, by HP of Motor | 20 HP   | Thomas H. Henderson Middle School / Main Building | Boiler room                  | AAB                      | ACH550-VCR-031A-4      | 2192705125        | 2020 | 3236 |
| 37 | 7448569 | D5030 | Variable Frequency Drive | VFD, by HP of Motor | 60 HP   | Thomas H. Henderson Middle School / Main Building | Gymnasium Penthouse          | Daikin Industries        | ACH550-UH-078A-4       | 2190805469        | 2019 | 3272 |
| 38 | 7448686 | D5030 | Variable Frequency Drive | VFD, by HP of Motor | 40 HP   | Thomas H. Henderson Middle School / Main Building | Media Center Mechanical Room | Daikin Industries        | ACH550-UH-059A-4       | 2202103054        | 2020 | 3284 |
| 39 | 7448570 | D5030 | Variable Frequency Drive | VFD, by HP of Motor | 10 HP   | Thomas H. Henderson Middle School / Main Building | Gymnasium Penthouse          | Daikin Industries        | ACH550-UH-015A-4       | 2195004322        | 2020 | 3267 |
| 40 | 7448532 | D5030 | Variable Frequency Drive | VFD, by HP of Motor | 7.5 HP  | Thomas H. Henderson Middle School / Main Building | Beta Mechanical room         | AAB                      | ACH580-VCR-012A-4+F267 | 2202603732        | 2020 | 3364 |

| 41  | 7448536 | D5030  | Variable Frequency Drive | VFD, by HP of Motor                      | 20 HP    | Thomas H. Henderson Middle School / Main Building | Media Center Mechanical Room | Goulds Water Technology  | ACS550-U1-031A-4  | 2131902623   | 2013         | 3287    |     |
|---|---------|--------|--------------------------|--|----------|---|------------------------------|--------------------------|-------------------|--------------|--------------|---------|-----|
| 42  | 7448647 | D5030  | Variable Frequency Drive | VFD, by HP of Motor                      | 60 HP    | Thomas H. Henderson Middle School / Main Building | Boiler room                  | ABB                      | ACH550-VCR-078A-4 | 2192705076   | 2019         | 3243    |     |
| <b>D70 Electronic Safety &amp; Security</b> |         |        |                          |  |          |   |                              |                          |                   |              |              |         |     |
| Index                                       | ID      | UFCode | Component Description    | Attributes                               | Capacity | Building  | Location Detail              | Manufacturer             | Model             | Serial       | Dataplate Yr | Barcode | Qty |
| 1   | 7448564 | D7050  | Fire Alarm Panel         | Fully Addressable                        |          | Thomas H. Henderson Middle School / Main Building | Office                       | EST / Quick Start        | No dataplate      | No dataplate |              |         |     |
| <b>E10 Equipment</b>                        |         |        |                          |  |          |   |                              |                          |                   |              |              |         |     |
| Index                                       | ID      | UFCode | Component Description    | Attributes                               | Capacity | Building  | Location Detail              | Manufacturer             | Model             | Serial       | Dataplate Yr | Barcode | Qty |
| 1   | 7448646 | E1030  | Laundry Equipment        | Dryer, Commercial                        | 50 LB    | Thomas H. Henderson Middle School / Main Building | Locker Rooms                 | Speed Queen              | Inaccessible      | Inaccessible |              | 3246    |     |
| 2   | 7448578 | E1030  | Laundry Equipment        | Washer, Commercial                       | 50 LB    | Thomas H. Henderson Middle School / Main Building | Locker Rooms                 | Speed Queen              | Inaccessible      | Inaccessible |              | 3249    |     |
| 3   | 7448636 | E1030  | Foodservice Equipment    | Convection Oven, Double                  |          | Thomas H. Henderson Middle School / Main Building | Kitchen                      | Vulcan                   | VC4GD-11D150K     | 54-1081991   | 1991         | 3206    |     |
| 4   | 7448668 | E1030  | Foodservice Equipment    | Convection Oven, Double                  |          | Thomas H. Henderson Middle School / Main Building | Kitchen                      | Blodgett                 | No dataplate      | No dataplate |              | 3209    |     |
| 5   | 7448571 | E1030  | Foodservice Equipment    | Dairy Cooler/Wells                       |          | Thomas H. Henderson Middle School / Main Building | Kitchen                      | Beverage-Air Corporation | Illegible         | Illegible    |              | 3536    |     |
| 6   | 7448642 | E1030  | Foodservice Equipment    | Dairy Cooler/Wells                       |          | Thomas H. Henderson Middle School / Main Building | Kitchen                      | Beverage-Air Corporation | Illegible         | Illegible    |              | 3232    |     |
| 7   | 7448607 | E1030  | Foodservice Equipment    | Dairy Cooler/Wells                       |          | Thomas H. Henderson Middle School / Main Building | Kitchen                      | Beverage-Air Corporation | Illegible         | 10300756     |              | 3228    |     |
| 8   | 7448666 | E1030  | Foodservice Equipment    | Exhaust Hood, 8 to 10 LF                 |          | Thomas H. Henderson Middle School / Main Building | Kitchen                      | No dataplate             | No dataplate      | No dataplate |              | 3220    |     |
| 9   | 7448511 | E1030  | Foodservice Equipment    | Food Warmer, Proofing Cabinet on Wheels  |          | Thomas H. Henderson Middle School / Main Building | Kitchen                      | Metro                    | NA                | C5HME034032  | 2019         | 3214    |     |
| 10  | 7448620 | E1030  | Foodservice Equipment    | Food Warmer, Proofing Cabinet on Wheels  |          | Thomas H. Henderson Middle School / Main Building | Kitchen                      | Metro                    | NA                | C5HME029574  | 2018         | 3212    |     |
| 11  | 7448566 | E1030  | Foodservice Equipment    | Food Warmer, Proofing Cabinet on Wheels  |          | Thomas H. Henderson Middle School / Main Building | Kitchen                      | Cres Cor                 | H133UA9           | HJD-K5996B   |              | 3213    |     |
| 12  | 7448512 | E1030  | Foodservice Equipment    | Food Warmer, Tabletop Drawers (Set of 4) |          | Thomas H. Henderson Middle School / Main Building | Kitchen                      | Lincoln Electric         | MH-4              | 03734997     | 2003         | 3540    |     |
| 13  | 7448522 | E1030  | Foodservice Equipment    | Food Warmer, Tabletop Drawers (Set of 4) |          | Thomas H. Henderson Middle School / Main Building | Kitchen                      | Lincoln Electric         | MH-4              | 03734999     |              | 3218    |     |
| 14  | 7448644 | E1030  | Foodservice Equipment    | Freezer, 2-Door Reach-In                 |          | Thomas H. Henderson Middle School / Main Building | Kitchen                      | Delfield                 | GBF2P-S           | 1120528565   | 2020         | 3529    |     |
| 15  | 7448663 | E1030  | Foodservice Equipment    | Freezer, 3-Door Reach-In                 |          | Thomas H. Henderson Middle School / Main Building | Kitchen                      | Delfield                 | GBF3-S            | 1120067178   | 2020         | 3533    |     |
| 16  | 7448590 | E1030  | Foodservice Equipment    | Heat Lamps, Food Warming Fixture         |          | Thomas H. Henderson Middle School / Main Building | Kitchen                      | Hatco                    | GRBW-60           | 8586710432   |              | 3217    |     |
| 17  | 7448660 | E1030  | Foodservice Equipment    | Heat Lamps, Food Warming Fixture         |          | Thomas H. Henderson Middle School / Main Building | Kitchen                      | Hatco                    | GRBW-60           | 8586670432   |              | 3534    |     |
| 18  | 7448637 | E1030  | Foodservice Equipment    | Icemaker, Freestanding                   |          | Thomas H. Henderson Middle School / Main Building | Locker Rooms                 | Hoshizaki                | Inaccessible      | Inaccessible |              | 3254    |     |
| 19  | 7448549 | E1030  | Foodservice Equipment    | Mixer, Freestanding                      |          | Thomas H. Henderson Middle School / Main Building | Kitchen                      | Hobart                   | H - 600-D T       | 11-029-254   |              | 3219    |     |

|    |         |       |                       |  |   |         |              |                   |               |      |      |
|----|---------|-------|-----------------------|--|---|---------|--------------|-------------------|---------------|------|------|
| 20 | 7448558 | E1030 | Foodservice Equipment | Mixer, Freestanding                          | Thomas H. Henderson Middle School / Main Building | Kitchen | Hobart       | H - 600-D T       | 11-029-25 3   |      | 3537 |
| 21 | 7448567 | E1030 | Foodservice Equipment | Refrigerator, 2-Door Reach-In                | Thomas H. Henderson Middle School / Main Building | Kitchen | Delfield     | CSRRI2P-S         | 1707152002777 | 2020 | 3207 |
| 22 | 7448685 | E1030 | Foodservice Equipment | Refrigerator, 3-Door Reach-In                | Thomas H. Henderson Middle School / Main Building | Kitchen | Victory      | RS-3D-S1-PT       | 11808264      |      | 3208 |
| 23 | 7448585 | E1030 | Foodservice Equipment | Refrigerator, 3-Door Reach-In                | Thomas H. Henderson Middle School / Main Building | Kitchen | Victory      | RS-3D-S1-PT       | 11912819      |      | 3535 |
| 24 | 7448621 | E1030 | Foodservice Equipment | Steam Kettle                                 | Thomas H. Henderson Middle School / Main Building | Kitchen | Groen        | AH71-40           | 340C          | 1971 | 3203 |
| 25 | 7448535 | E1030 | Foodservice Equipment | Steamer, Freestanding                        | Thomas H. Henderson Middle School / Main Building | Kitchen | Convotherm   | C4eT 6.20 GS      | WS215020400   | 2021 | 3202 |
| 26 | 7448683 | E1030 | Foodservice Equipment | Walk-In, Condenser for Refrigerator/Freezer  | Thomas H. Henderson Middle School / Main Building | Kitchen | Illegible    | C7AB-0200-CAH-001 | 19409-00      |      | 3527 |
| 27 | 7448625 | E1030 | Foodservice Equipment | Walk-In, Condenser for Refrigerator/Freezer  | Thomas H. Henderson Middle School / Main Building | Kitchen | Copeland     | CSAM-0100-CAH-001 | Inaccessible  |      | 3526 |
| 28 | 7448534 | E1030 | Foodservice Equipment | Walk-In, Evaporator for Refrigerator/Freezer | Thomas H. Henderson Middle School / Main Building | Kitchen | Heatcraft    | LET000BK          | T09G05946     | 2009 | 3205 |
| 29 | 7448597 | E1030 | Foodservice Equipment | Walk-In, Evaporator for Refrigerator/Freezer | Thomas H. Henderson Middle School / Main Building | Kitchen | No dataplate | No dataplate      | No dataplate  |      | 3538 |
| 30 | 7448545 | E1030 | Foodservice Equipment | Walk-In, Evaporator for Refrigerator/Freezer | Thomas H. Henderson Middle School / Main Building | Kitchen | Kolpak       | EL26-105-2EC-PR-8 | 410207920     | 2020 | 3210 |
| 31 | 7448645 | E1030 | Foodservice Equipment | Walk-In, Freezer                             | Thomas H. Henderson Middle School / Main Building | Kitchen | Kolpak       | 6016397           | 410205067DW1  | 2020 | 3211 |
| 32 | 7448612 | E1030 | Foodservice Equipment | Walk-In, Refrigerator                        | Thomas H. Henderson Middle School / Main Building | Kitchen | Bally        | D1                | D3430         |      | 3204 |
| 33 | 7448653 | E1030 | Foodservice Equipment | Walk-In, Refrigerator                        | Thomas H. Henderson Middle School / Main Building | Kitchen | Bally        | D2                | D3430         |      | 3539 |