



JACKSON VIA ELEMENTARY SCHOOL
508 HARRIS ROAD
CHARLOTTESVILLE, VIRGINIA

ECS PROJECT NO. 46:6713

FOR

CITY OF CHARLOTTESVILLE - FACILITIES DEVELOPMENT

OCTOBER 29, 2021





"Setting the Standard for Service"

Geotechnical • Construction Materials • Environmental • Facilities

October 29, 2021

Mr. Josh Bontrager
City of Charlottesville - Facilities Development
305 4th Street NW
Charlottesville, Virginia, 22903

ECS Project No. 46:6713

Reference: Facility Condition Assessment Report for Jackson Via Elementary School, 508 Harris Road,
Charlottesville, Virginia

Dear Mr. Bontrager:

ECS Mid-Atlantic, LLC is pleased to provide the results of our Facility Condition Assessment (FCA) for the referenced property. The scope of the FCA was performed in general accordance with ASTM and industry guidelines and items contained within the ECS Proposal No. 46:7239-FP, dated June 12, 2020. We understand that our work is being performed under the City of Charlottesville Purchase Order Number 4500313133.

It has been our pleasure to be of service to you on this project. Should you have any questions or comments with regard to the findings and recommendations, please feel free to contact us at your convenience.

Respectfully,

ECS Mid-Atlantic, LLC

A handwritten signature in black ink, appearing to read 'Don M. Goglio'.

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A handwritten signature in blue ink, appearing to read 'Michael G. Doyle'.

Michael G. Doyle, AIA
Principal Architect
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Project Summary

Construction System	Good	Fair	Poor	Action	Immediate	Over Term Years 1-20
3.2.1 Topography	X			None		
3.2.2 Storm Water Drainage	X			None		
3.2.3 Access and Egress	X			None		
3.2.4 Paving, Curbing, and Parking	X	X		Repair		\$25,000
3.2.5 Flatwork		X		Replace		\$20,000
3.2.6 Landscaping and Appurtenances	X			None		
3.2.7 Recreational Facilities		X		Replace		\$59,000
3.2.8 Special Utility Systems		NA		None		
3.3.1 Foundation	X			None		
3.3.2 Building Frame		X		Structural evaluation	\$5,000	
3.3.3 Building Exteriors		X		Repair		\$70,000
3.3.4 Exterior Doors	X			None		
3.3.5 Exterior Windows		X		Replace		\$100,000
3.3.6 Roofing Systems		X	X	Replace		\$780,000
3.4.1.1 Supply and Waste Piping	X			None		
3.4.1.2 Domestic Hot Water Production		X		Replace		\$4,400
3.4.2.1 Equipment	X	X		Replace		\$515,500
3.4.2.2 Distribution System	X			None		
3.4.2.3 Control Systems	X			None		
3.4.3.1 Service and Metering	X			None		
3.4.3.2 Distribution	X			None		
3.5 VERTICAL TRANSPORTATION SYSTEMS	X			None		
3.6.1 Sprinklers and Suppression Systems	X			None		
3.6.2 Alarm Systems	X			None		
3.6.3 Security and Other Systems	X			None		
3.7.1 Interior Finishes	X			None		
3.8 Accessibility (ADA) Compliance	X	X		INSTALL ADDITIONAL ACCESSIBLE PARKING SPACES	\$1,500	
5.1 MOISTURE AND MOLD	X			None		
Totals					\$6,500	\$1,573,900

Summary	Today's Dollars	\$/Square Feet
Immediate Repairs	\$6,500	\$0.15

	Today's Dollars	\$/Square Feet	\$/Square Feet/Year
Replacement Reserves, today's dollars	\$1,573,900.00	\$36.82	\$1.84
Replacement Reserves, w/20, 2.5% escalation	\$1,720,854.73	\$40.25	\$2.01

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1.0 EXECUTIVE SUMMARY

1.1 BACKGROUND

ECS Mid-Atlantic, LLC (ECS) performed a Facility Condition Assessment (FCA) in general conformance with ASTM guidelines and general scope items contained within the ECS Proposal 46:7239-FP dated June 12, 2020 for the Jackson Via Elementary School property in Charlottesville, Virginia - hereinafter known as the Property.

The FCA was conducted by ECS in response to the authorization of our Proposal by Ms. Susan Dyer on November 23, 2020. The report was completed and reviewed by the following team members:

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Reliance

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1.2 METHODOLOGY

ECS observations and historical property data provided by the owner were utilized to determine the effective age of the property components. Various factors including exposure to weather elements, system manufacturer quality, level of maintenance, and usage determine the effective age of property components. Depending on the impact of these various factors, the effective age of property components can reduce the Remaining Useful Life (RUL) of a property component. The general requirements of the owner to address facility needs were requested to be prioritized based on the RUL and type of property component. The following Priorities were established by the Owner as follows:

Priority 1: Immediately Critical Items (Year 0)

Items in this Priority category include physical deficiencies that require immediate action as a result of (i) existing or potentially unsafe conditions, (ii) significant negative conditions impacting tenancy, (iii) material building code violations or Title II American with Disabilities Act (ADA) items.

Priority 2: Critical Items (Year 0-1)

Items in this Priority category include physical deficiencies that require immediate action as a result of (i) poor or deteriorated condition of critical element or system, or (ii) a condition that is left “as is,” with an extensive delay in addressing same, would result in or contribute to critical element or system failure within one year.

Priority 3: Near Term Items (Years 2-5)

Items in this category include physical deficiencies that require near term action as a result of (i) poor or deteriorated condition of critical element or system, or (ii) a condition that is left “as is,” with an extensive delay in addressing same, would result in or contribute to critical element or system failure within two to five years.

Priority 4: Reserve Items (Years 5-20)

Items in this Priority category include Capital Reserves for recurring probable expenditures, which are not classified as operational or maintenance expenses, which should be annually budgeted for in advance. Capital reserves are reasonably predictable both in terms of frequency and cost. However, they may also include components or systems that have an indeterminable life but nonetheless have a potential liability for failure within an estimated time period. A component method has also been included within this report as well.

Reserve items excludes systems or components that are estimated to expire after the reserve term and that are not considered material to the structural and mechanical integrity of the subject property. Furthermore, systems and components that were not deemed to have a material affect on the use were also excluded. Costs that are caused by acts of God, accidents or other occurrences that are typically covered by insurance, rather than reserved funds, are also excluded.

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

ECS’s reserve methodology involves identification and quantification of those systems or components requiring capital reserve funds within the evaluation period. Additional information concerning systems or components respective replacement costs (in today’s dollars), typical expected useful lives, and remaining useful lives were estimated so that a funding schedule could be prepared. The Capital Reserve Schedule presupposes that all required remedial work has been performed or that monies for remediation have been budgeted for items defined in the Immediate Needs Cost Estimates.

1.3 PROPERTY DESCRIPTION

Jackson Via Elementary School, located at 508 Harris Road, in Charlottesville, Virginia, consists of a Two-story building. The building totals approximately 42,751 square feet. Parking is provided with Asphalt pavement. The School building was reportedly constructed in 1968.

SURVEY INFORMATION

Date of Assessment	July 1, 2021
Assessor	William R. Pratt, P.E.
Weather Conditions	Cloudy 91F
Property Contact	Josh Bontrager, Project Manager for the City of Charlottesville - Facilities Development

SITE INFORMATION

Land Area	20.36 acres
Major Cross Streets	5th Street SW
Pavement - Parking	Asphalt pavement
Number of Parking Spaces	123
Number of Accessible Spaces	Two
Number of Van Accessible Spaces	Two
Pedestrian Sidewalks	Concrete sidewalks

BUILDING INFORMATION

Building Type	School
Number of Buildings	One
Building Height	Two-story
Square Footage	42,751
Year Constructed	1968
Year Remodeled	Unknown

BUILDING CONSTRUCTION

Foundation	Assumed shallow spread footings
Structural System	Structural steel with concrete elevated slabs
Roof	Single-ply sheet membrane
Exterior Finishes	Brick veneer
Windows	Metal frame single pane and/or double pane

BUILDING CONSTRUCTION

Entrance	Storefront entrance
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BUILDING SYSTEMS

HVAC System	Central plant HVAC system with supplemental heating/cooling equipment
Domestic Hot Water	Gas domestic water heater
Water Distribution	Copper
Sanitary Waste Line	PVC and cast iron
Electrical Service	3-phase, 4-wire, 1,000 amps
Branch Wiring	Copper
Elevators	One passenger elevator
Fire Suppression System	Wet sprinkler system and fire extinguishers with automated fire alarm system with alarm bell, strobe, and pull down stations

UTILITY SERVICE PROVIDERS

Water	Charlottesville Water
Sewer	Charlottesville Public Utilities - Wastewater
Electric	Dominion Virginia Power
Natural Gas	City of Charlottesville

1.4 OPINIONS OF COST

The opinions of cost are provided in the attached reserve replacement table and a summary of immediate repairs included in this report. The reserve replacement table covers capital expenditure items only. Items less than \$1,000 in cost have been excluded, except for immediate repairs, ADA or safety issues. Please refer to section 6.0 of this report for a detailed explanation on how these costs are derived.

1.5 COST TABLES

Immediate Repair Cost					
Item	Quantity	Unit	Unit Cost	Replacement Percent	Immediate Total
3.3.2 Building Frame					
PROVIDE AN ALLOWANCE TO FURTHER ASSESS THE STRUCTURAL SYSTEM	1	LS	\$5,000.00	100%	\$5,000
3.8 Accessibility (ADA) Compliance					
PROVIDE THREE ACCESSIBLE PARKING SPACES AND AISLES	3	EA	\$500.00	100%	\$1,500
Total Repair Cost					\$6,500.00

Capital Reserve Schedule

	EUL	EFF AGE	RUL	Quantity	Unit	Unit Cost	Cycle Replace	Replace Percent	Year 1 2021	Year 2 2022	Year 3 2023	Year 4 2024	Year 5 2025	Year 6 2026	Year 7 2027	Year 8 2028	Year 9 2029	Year 10 2030	Year 11 2031	Year 12 2032	Year 13 2033	Year 14 2034	Year 15 2035	Year 16 2036	Year 17 2037	Year 18 2038	Year 19 2039	Year 20 2040	Total Cost
3.2.4 Paving, Curbing, and Parking																													
MILL, OVERLAY AND RESTRIPE EXISTING ASPHALT	20	19	1	1	LS	\$25,000.00	\$25,000	100%	\$12,500									\$12,500											\$25,000
3.2.5 Flatwork																													
REPLACE CONCRETE SIDEWALKS, STEPS, AND RAMP SECTIONS AS NEEDED	25	24	1	4	EA	\$5,000.00	\$20,000	100%	\$5,000					\$5,000					\$5,000					\$5,000					\$20,000
3.2.7 Recreational Facilities																													
REPLACE PLAYGROUND EQUIPMENT	20	10	10	1	EA	\$45,000.00	\$45,000	100%										\$45,000											\$45,000
RESURFACE BASKETBALL COURT	20	19	1	1	LS	\$14,000.00	\$14,000	100%	\$14,000																				\$14,000
3.3.3 Building Exteriors																													
REPOINT BRICKWORK	20	8	12	1	LS	\$30,000.00	\$30,000	100%												\$30,000									\$30,000
PAINT EXPOSED STEEL ELEMENTS	10	1	9	1	LS	\$15,000.00	\$15,000	100%								\$7,500										\$7,500			\$15,000
REPLACE SEALANTS	12	10	2	1	LS	\$25,000.00	\$25,000	100%		\$12,500											\$12,500								\$25,000
3.3.5 Exterior Windows																													
REPLACE WINDOW UNITS	20	19	1	100	EA	\$1,000.00	\$100,000	100%	\$50,000	\$50,000																			\$100,000
3.3.6 Roofing Systems																													
REPLACE SINGLE-PLY ROOFING SYSTEM	15	15	0	55,000	SF	\$14.00	\$770,000	100%	\$770,000																				\$770,000
REPLACE SKYLIGHTS AS NEEDED	20	19	1	1	LS	\$10,000.00	\$10,000	100%	\$10,000																				\$10,000
3.4.1.2 Domestic Hot Water Production																													

City of Charlottesville - Facilities Development
ECS Project No. 46:6713
October 29, 2021

2.0 PURPOSE AND SCOPE

2.1 SCOPE OF SERVICES

This Facility Condition Assessment (FCA) was conducted in general accordance with items and terminology requested by the Owner herein and ASTM E 2018-15, "Standard Guide for Property Condition Assessments: Baseline Property Condition Assessment Process".

The primary purpose of a FCA is to note construction deficiencies and to identify components which appear to exhibit less than expected service life or which have been poorly maintained. The assessment is not intended to develop detailed remedial plans for identified problems. The services are qualitative in nature and do not include engineering calculations or design. Photographic documentation of our observations is attached.

The following building systems were observed in accordance with ASTM E 2018-15:

- Site Conditions
- Structural Frame and Building Envelope
- Plumbing, Mechanical and Electrical Systems
- Vertical Transportation Systems
- Life Safety and Fire Protection
- Interior Elements
- ADA Considerations
- Building Code Violations

Out of Scope Items

Environmental issues and concerns are considered to be outside of the ASTM scope of services for a Facility Condition Assessment. Although properties may have possible environmental contamination, including, but not limited to radon, mold, lead based paint, asbestos, lead piping, PCB's or volatile chemicals, these issues and concerns should be addressed by an Environmental Assessment, as defined by ASTM Guidelines. ECS recommends that properties be studied by a qualified environmental assessor who can appropriately access, identify, and quantify issues related to environmental safety concerns.

ECS is providing a Facility Condition Assessment consistent with commercial and customary practices and the ASTM E-2018, current at the time the services are provided. The parties expressly acknowledge and agree that ECS is not providing a Reserve Study, which is subject to the National Reserve Study Standards and requires much more detail than a typical Facility Condition Assessment.

2.2 Deviations from Guide (ASTM E2018-15)

ASTM E2018-15 requires that any deviations from the Guide be noted within the report. ECS reduced the cost threshold from \$3,000 to \$1,000 to allow for smaller items needing repair, replacement or refurbishment. Therefore items with costs less than \$1,000 are typically not included in this report unless related to life, safety or accessibility items.

ECS interviewed personnel associated with the Jackson Via Elementary School facility and other government agencies based upon availability. These individuals are identified in Section 4.2. Information obtained from the interviews are included in the applicable sections of this report.

2.3 ASSESSMENT PROCEDURES

The FCA included site reconnaissance, limited interviews with property management, and inquiries or attempted inquiries with the local building and fire departments. Operational testing of building systems or components was not conducted. During the FCA, ECS conducted observations of the following facility features: site development systems; building structure systems; building exterior systems; building interior systems; roof systems; mechanical systems; electrical systems; plumbing systems; and life and fire safety systems.

This report is intended for review as a complete document. Therefore, interpretations and conclusions drawn from the review of any individual section are the sole responsibility of the User.

2.4 DEFINITIONS

Fair, adj - the property or component is functional but will likely require immediate maintenance or repairs during the duration of the term.

Good, adj - the property or component is functional and should continue to provide its intended service with continued routine maintenance through the duration of the term.

Poor, adj - the property or component is not functional. Immediate or near term repairs are required to bring the component back into service or replacement is expected during the duration of the term.

2.4.1 Partial List of ASTM Definitions

de minimis condition - a physical deficiency that is not material to the conclusions of the report.

deferred maintenance, n - physical deficiencies that could have been remedied with routine maintenance, normal operating maintenance, etc., excluding de minimis conditions that generally do not present a material physical deficiency to the subject property.

easily visible, adj - describes items, components, and systems that are conspicuous, patent, and which may be observed visually during the walk-through survey without: intrusion, relocation or removal of materials, exploratory probing, use of special protective clothing, or use of any equipment (hand tools, meters of any kind, telescope instruments, stools, ladders, lighting devices, etc.).

effective age, n - the estimated age of a building component that considers actual age as affected by maintenance history, location, weather conditions, and other factors. Effective age may be more or less than actual age.

expected useful life (EUL), n - the average amount of time in years that an item, component or system is estimated to function without material repair when installed new and assuming routine maintenance is practiced.

immediate cost, n - opinions of costs that require immediate action as a result of any of the following: (1) material existing or potentially unsafe conditions, (2) material building or fire code violations, (3) physical deficiencies that if left uncorrected would be expected to result in or contribute to critical element or system failure within one year or will result most probably in significant escalation of its remedial cost.

observation, n - the visual survey of items, systems, conditions, or components that are readily accessible and easily visible during a walk-through survey of the subject property.

observe, v - to conduct an observation pursuant to this guide within the context of easily visible and readily accessible.

obvious, adj - plain, evident, and readily accessible; a condition easily visible or fact not likely to be ignored or overlooked by a field observer when conducting a walk-through survey or that which is practically reviewable and would be understood easily by a person conducting the FCA.

opinions of costs, n - opinion of costs that may be encountered in correction of physical deficiencies.

physical deficiency, n - a conspicuous defect or deferred maintenance of a subject property's material systems, components, or equipment as observed during the completion of the FCA. - This definition specifically excludes deficiencies that may be remedied with routine maintenance, miscellaneous minor repairs, normal operating maintenance, etc., and excludes de minimis conditions that generally do not present material physical deficiencies of the subject property.

Point of Contact (POC), n - owner, owner's agent, or user-identified person or persons knowledgeable about the physical characteristics, maintenance, and repair of the subject property.

practically reviewable, adj - describes information that is provided by the source in a manner and form that, upon review, yields information relevant to the subject property without the need for significant analysis, measurements, or calculations. Records or information that feasibly cannot be retrieved by reference to the location of the subject property are not generally considered practically reviewable.

primary commercial real estate improvements, n - the site and building improvements that are of fundamental importance with respect to the commercial real estate. This definition specifically excludes ancillary structures, that may have been constructed to provide support uses such as maintenance sheds, security booths, utility garages, pool filter and equipment buildings, etc.

property, n - the site improvements, which are inclusive of both site work and buildings.

readily accessible, adj - describes areas of the subject property that are promptly made available for observation by the field observer at the time of the walk-through survey and do not require the removal or relocation of materials or personal property, such as furniture, floor, wall, or ceiling coverings; and that are safely accessible in the opinion of the field observer.

readily available, adj - describes information or records that are easily and promptly provided to the consultant upon making a request in compliance with an appropriate inquiry and without the need for the consultant to research archive files.

reasonably ascertainable, adj - describes information that is publicly available, as well as readily available, provided to the consultant's offices from either its source or an information research/retrieval service within reasonable time, practically reviewable, and available at a nominal cost for either retrieval, reproduction or forwarding.

remaining useful life (RUL), n - a subjective estimate based upon observations, or average estimates of similar items, components, or systems, or a combination thereof, of the number of remaining years that an item, component, or system is estimated to be able to function in accordance with its intended purpose before warranting replacement. Such period of time is affected by the initial quality of an item, component, or system, the quality of the initial installation, the quality and amount of preventive maintenance exercised, climatic conditions, extent of use, etc.

representative observations, n - observations of a reasonable number of samples of repetitive systems, components, areas, etc., which are conducted by the field observer during the walk-through survey. The concept of representative observations extends to all conditions, areas, equipment, components, systems, buildings, etc., to the extent that they are similar and representative of one another.

routine maintenance, n - a repair that does not require specialized equipment, profession services, or contractors, but rather can be corrected within budget and skill set of typical property maintenance staff.

short term cost, n - opinions of costs to remedy physical deficiencies, such as deferred maintenance, that may not warrant immediate attention, but require repairs or replacements that should be undertaken on a priority basis in addition to routine preventive maintenance.

technically exhaustive, adj - describes the use of measurements, instruments, testing, calculations, exploratory probing or discovery, or other means to discover, or a combination thereof, or troubleshoot physical deficiencies or develop architectural or engineering findings, conclusions, and recommendations, or combination thereof.

3.0 SYSTEM DESCRIPTION AND OBSERVATIONS

3.1 PROPERTY DESCRIPTION

The Property contains a Two-story School building.

3.1.1 Property Location

The Property is located at 508 Harris Road in Charlottesville, Virginia.

Surrounding Properties	
North	5th Street SW
East	Commercial properties
South	Residential properties
West	Residential properties

A Site Location Map and Aerial View are included in Appendix I.

3.1.2 Construction History

We understand that the building was constructed approximately 53 years ago in 1968.

3.1.3 Current Property Improvements

The School building, located at 508 Harris Road, in Charlottesville, Virginia, consists of a Two-story building. The building totals approximately 42,751 square feet. Parking is provided with Asphalt pavement.

3.2 SITE CONDITIONS

3.2.1 Topography

TOPOGRAPHY		
Item	Description	Condition
Slope of the property	The property generally slopes to the south	Good
Adjoining Properties	Generally down slope	Good

Comments

The property is generally level and slopes to the south. The adjoining properties are located down gradient from the property.

3.2.2 Storm Water Drainage

STORM WATER DRAINAGE		
Item	Description	Condition
Storm Water Collection System	Municipal	Good
Storm Water (Retention) Pond		N/A
Storm Water Filtration Structure		N/A
Pavement Drainage	Storm inlets	Good
Landscape Drainage	Drainage to south	Good
Sump Pumps		N/A

Comments

The storm water collection system is a municipal system.

Photographs



Typical storm drainage

3.2.3 Access and Egress

SITE ACCESS AND EGRESS		
Item	Description	Condition
Entrance Aprons	Concrete	Good
Fire Truck Access	North side of the property	Good
Easements		N/A

Comments

Vehicular access to the site is located on the north and east side of the property. The entrance apron is constructed of asphalt and was observed to be in generally good condition. Fire truck access is available on the north side of the building.

Photographs



Asphalt drive lane entrance - note cracking

3.2.4 Paving, Curbing, and Parking

PARKING		
Item	Description	Condition
Striping	Painted	Fair
Quantity of Parking Spaces	123	Good

PARKING		
Item	Description	Condition
Quantity of Loading Spaces		N/A
Arrangement of Spaces	Perpendicular and parallel spaces	Good
Site Circulation	Two-way and one-way drive aisles	Good
Lighting		N/A
Accessible Spaces	Two	Poor
Accessible Aisles	None exist	Poor

SURFACE PAVEMENT		
Item	Description	Condition
Pavement Surface	Asphalt pavement	Fair
Drainage	Storm inlets	Good
Repair History	Repairs and crack sealing noted	Fair
Concrete Curbs and Gutters	Chipping and cracking noted	Fair
Dumpster Pad	Asphalt	Fair
Asphalt Curbs		N/A
Fire Lane Painting		Good

Comments

Asphalt-paved drive lanes and parking areas are located on the north and south side of the site which also provides access to the site. Additional parking is provided along the southern drive lane. The asphalt pavement was observed to be in generally fair condition with alligator cracks observed on the pavement. Striping was in fair condition. The expected useful life of asphalt pavement is 20 years. We have provided allowances to repair the cracked areas of asphalt pavement.

Photographs



Asphalt drive lane west side of the site



Asphalt drive lane east side of the site - note
cracking and previous repair



Asphalt drive lane west side of the site - note
cracking



Asphalt drive lane west side of the site - note
alligator cracks



Asphalt drive lane - note cracking



Asphalt drive lane east side of the site - note
cracking and previous repair



Asphalt drive lane east side of the site - note
cracking and previous repair



Asphalt parking east side of site - note cracking



Asphalt parking east side of site



Asphalt parking east side of site - note cracking



Concrete curb and gutter- note deterioration

Recommendations

Cost Recommendation	EUL	EFF AGE	RUL	Year	Cost
MILL, OVERLAY AND RESTRIPE EXISTING ASPHALT	20	19	1	1 10	\$12,500 \$12,500
Total					\$25,000

3.2.5 Flatwork

SIDEWALKS		
Item	Description	Condition
Walkways	Concrete sidewalks	Fair
Patios	Concrete	Fair
Steps	Concrete, Concrete with applied treads, and Concrete with CIP nosings	Fair
Landings	Concrete	Fair
Handrails	Steel tube and square stock	Good
Ramps	Concrete	Fair
Curb Ramps	Concrete	Fair
Truncated Domes	Inset plastic, missing at some locations	Fair

Comments

At the perimeter of the building, concrete sidewalks of undetermined thickness are provided. Regularly spaced control joints were observed. The concrete sidewalks were generally in fair condition, with some cracked sections observed. We recommend the cracked and settled sections be replaced as necessary.

The steps and ramps were observed to be in generally fair condition. Previously repaired concrete sidewalks appeared to be in good condition. The handrails adjacent to the steps and ramps were observed to be in generally good condition. There is a concrete patio on the northwest side of the building. The patio was generally in fair condition.

An asphalt sidewalk is located on the west side of the site. The asphalt sidewalk was in good condition.

Photographs



Concrete apron and asphalt drive lane west side
of the site



Concrete sidewalk



Concrete ramp - note need to install truncated
domes



Concrete sidewalk - note cracking



Concrete sidewalk - note cracking



Concrete sidewalk - note cracking



Concrete sidewalk - note cracking



Concrete sidewalk - note cracking



Concrete sidewalk - note cracking



Concrete sidewalk and ramp



Concrete sidewalk - note deterioration



Concrete stair handrail - note deterioration



Asphalt surface - note cracking and grass growing



Concrete ramp- note deterioration



Concrete stair - note stained

Recommendations

Cost Recommendation	EUL	EFF AGE	RUL	Year	Cost
REPLACE CONCRETE SIDEWALKS, STEPS, AND RAMP SECTIONS AS NEEDED	25	24	1	1	\$5,000
				6	\$5,000
				11	\$5,000
				16	\$5,000
Total					\$20,000

3.2.6 Landscaping and Appurtenances

LANDSCAPING		
Item	Description	Condition
Trees	Located on north side of the building	Good
Planting Beds	Located at north side of the building	Good
Lawn Areas	Located on south side of the building	Fair
Irrigation System		N/A
Monumental Sign	Located on north side of the building	Good
Landscape Lighting		N/A
Retaining Walls		N/A
Fences and Gates	At play area	Good
Dumpster Area	Located at northeast end of the site	Good
Fountains		N/A

Comments

The landscaping consists generally of mature trees, small shrubs, and grassed areas around the site. The landscaping was observed to be in generally good condition.

A sign is located at the north entrance. It is a painted wooden sign set in brick framing. The painted wooden sign was generally in good condition. We recommend painting the wood sign as a maintenance item as needed.

Photographs



Typical landscape and setting area



Typical landscape



Typical lawn area



Typical landscape and setting area - note table broken

3.2.7 Recreational Facilities

BASKETBALL COURT		
Item	Description	Condition
Playing Surface	South of the building	Poor
Fencing		N/A
Lighting		N/A

PLAYGROUND		
Item	Description	Condition
Playing Surface	Mulch or hard rubber pavers	Good
Fencing	Vinyl coated chain link	Good
Equipment	Plastic/vinyl coated	Good
Lighting		N/A

Comments

Basketball Court

The basketball court was located on the south side of the property. The surface was in poor condition with multiple cracks and vegetation growth. The expected useful life of the surface is approximately 20 years. We recommend an allowance be provided to resurface the basketball court.

Playground

Various playground equipment is located on the south side of the property. The playgrounds consisted of various plastic play equipment and were located on mulched play surfaces or hard rubber pavers. The playground equipment was in good condition. Mulching of the playgrounds when required is considering a maintenance item. The expected useful life of playground equipment is 15 to 20 years with proper maintenance. An allowance for replacement of the equipment is included later in the study period.

Photographs



Typical fencing overview



Playground south end of the site



Playground southwest end of the site



Playground overview



Playground overview



Asphalt playing surface - note cracking and grass growing



Basketball court south of the building

Recommendations

Cost Recommendation	EUL	EFF AGE	RUL	Year	Cost
REPLACE PLAYGROUND EQUIPMENT	20	10	10	10	\$45,000
RESURFACE BASKETBALL COURT	20	19	1	1	\$14,000
Total					\$59,000

3.2.8 Special Utility Systems

Item	Description	Condition
Water Well		N/A
Lift Station		N/A
Septic Field		N/A
Solar Power		N/A
Wind Power		N/A

Comments

The Property does not contain special utility systems.

3.3 STRUCTURAL FRAME AND BUILDING EXTERIOR

3.3.1 Foundation

FOUNDATION		
Item	Description	Condition
Load Bearing Support	Assumed shallow spread footings	Good
Basement	Walk-out Lower level	Good
Crawl Space		N/A

Comments

The foundation of the building includes Assumed shallow spread footings. Large cracks were not observed in the exterior walls. The foundation system appeared to provide adequate structural support to the building. The foundation was generally in good condition.

3.3.2 Building Frame

BUILDING FRAME		
Item	Description	Condition
Floor Framing	Concrete	Good
Roof Framing	Structural steel	Good
Columns	Concrete and steel	Fair/poor
Load Bearing Walls	CMU	Good
Balconies	Concrete with steel railings	Fair
Decks		N/A

Comments

The structure of the building consists of Structural steel with concrete elevated slabs. The structural frame of the building was generally in fair condition. On the south side of the structure, major cracking and signs of previous patching were apparent on the concrete supports for steel columns above. We recommend a professional structural evaluation of the existing conditions be performed in the immediate future. This service can be provided by ECS.

Photographs



Building exterior - note column cracking



Building exterior - note stained and sealant repair



Building exterior - note staining in the parapet



Building exterior west side of the building



Building exterior

Recommendations

Cost Recommendation	EUL	EFF AGE	RUL	Year	Cost
PROVIDE AN ALLOWANCE TO FURTHER ASSESS THE STRUCTURAL SYSTEM	0	0	0	Immediate	\$5,000
Total					\$5,000

3.3.3 Building Exteriors

EXTERIOR FINISHES		
Item	Description	Condition
Masonry	Brick veneer	Fair
Glass Store Front	Main entrance and windows	Fair
Glass Curtain Wall		N/A
Metal	Coping and flashings	Good
Concrete	Foundation walls and columns	Fair
Wood Siding		N/A
Accent/Trim	Metal trim and structure steel	Good
Covered Soffits	Concrete and steel	Fair
Awnings	Concrete and steel	Fair

EXTERIOR FINISHES		
Item	Description	Condition
Paint	Exposed steel	Good
Sealants		Poor

Comments

The primary exterior of the building consists of Brick veneer. Painted, exposed steel beams and columns and concrete were located throughout the building. The building exteriors were generally in fair condition with limited deterioration observed. The expected useful life of mortared joints is approximately 20 years before re-pointing is required. Limited deterioration of mortar joints was observed. We recommend re-pointing of the deteriorated mortar joints near the end of the report period. The paint was in good condition.

Exterior sealants are located around the window and door frames. The expected useful life of exterior sealants is approximately 10 to 12 years before replacement is needed. The exterior sealants were generally in poor condition. The sealants were observed to be hard and separated from the substrate. We recommend that the exterior sealants be replaced.

Various awning structures are located around the perimeter of the building. The awnings consist of a concrete deck with steel columns. The soffits in covered areas were painted. The paint was observed to be generally in good condition. The awnings should be painted as needed in conjunction with the exposed concrete beams and columns painting project.

A limited number of recessed lighting fixtures in the soffit were damaged, not working, or otherwise in need of replacement and are considered a maintenance item.

Photographs



Building exteriors



Building exterior southwest side of the building



Building exterior - note staining in the parapet



Building exterior

Recommendations

Cost Recommendation	EUL	EFF AGE	RUL	Year	Cost
REPOINT BRICKWORK	20	8	12	12	\$30,000
PAINT EXPOSED STEEL ELEMENTS	10	1	9	9 19	\$7,500 \$7,500
REPLACE SEALANTS	12	10	2	2 14	\$12,500 \$12,500
Total					\$70,000

3.3.4 Exterior Doors

DOORS		
Item	Description	Condition
Main Entrance Doors	Storefront entrance	Good
Personnel Doors	Hollow metal	Good
Door Hardware	Operable	Good
Accessibility Controls	Intercom system	Good
Overhead/Roll-up Doors		N/A

Comments

The main entrance is located at the southwest portion of the building and consists of a Storefront entrance. The main entrance doors were generally in good condition.

Metal and glass personnel doors are located throughout the building. The personnel doors were generally in good condition. It also appeared that some of the doors had been replaced over time. Exterior doors typically have an expected useful life of 20 to 30 years.

Photographs



Main entrance doors



Typical personnel door

3.3.5 Exterior Windows

WINDOWS		
Item	Description	Condition
Window Frame	Aluminum framed	Fair
Glass Pane	Single-pane and double-pane (typically replacement from damage)	Good
Operation		N/A
Screen		N/A
Exterior Header	Varies with exterior condition	Good
Exterior Sill	Varies with exterior condition	Good
Gaskets or Glazing	Neoprene	Fair

Comments

The window system for the building primarily consists of metal frame single pane and/or double pane window units. It was reported that the windows were replaced when damaged as needed.

Metal frame single-pane windows have a typical expected useful life of 25 years. Replacement of windows has been included in the study period.

Photographs



Older exterior window unit



Typical exterior window - note deterioration of gasket



Typical exterior window



Older exterior window unit

Recommendations

Cost Recommendation	EUL	EFF AGE	RUL	Year	Cost
REPLACE WINDOW UNITS	20	19	1	1	\$50,000
				2	\$50,000
Total					\$100,000

3.3.6 Roofing Systems

ROOFING		
Item	Description	Condition
Single-Ply Sheet Membrane	Patching and ponding observed	Poor
Slate Shingle		N/A
Parapet Walls		N/A
Cap Flashing/Coping	Metal coping	Fair
Insulation	Rigid	Good
Substrate/Deck	Metal decking	Good
Slope/Pitch	Ponding noted	Fair
Drainage	Internal drains	Good
Plumbing Vents	Clamped boots	Good
Exhaust Vents	Counter flashed	Good
Equipment Curbs	Counter flashed	Good
Pitch Pockets		N/A
Skylights	Located on north side of the building	Poor
Flashing	Metal	Good
Expansion Joints	Flush bellows	Good
Roof Age	Reportedly replaced in 1999	Poor
Warranty		N/A

Comments

The main roofing system consists of a single-ply roofing system. The roofing system was reportedly replaced in 1999 and some leaks were reported. The expected useful life of a sheet membrane roofing system is typically 15 years. We recommend replacing the roofing system during the report period.

Drainage for the roofing system is provided by internal drains with overflow scuppers. Roofing penetrations included plumbing vents and exhaust vents throughout the roofing system.

There are five skylights on the north side of the building. The skylight frames were corroded and were generally in poor condition. Cracked glass was also noted. We recommend the skylights be replaced during roof replacement.

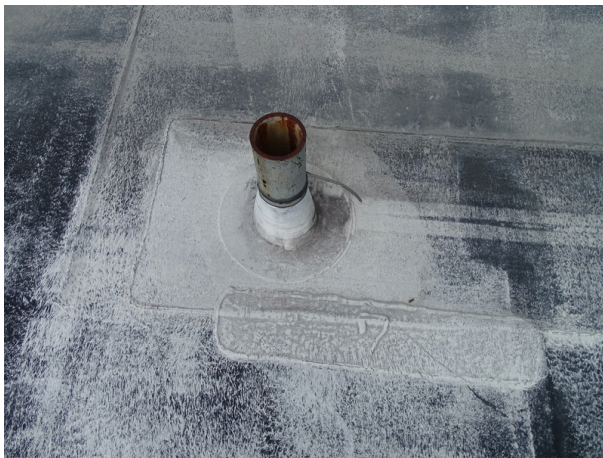
Photographs



Single-ply membrane roofing system



Typical interior drain



Typical plumbing penetration



Single-ply membrane roofing system looking
west



Single-ply membrane roofing system looking
west - note ponding



Single-ply membrane roofing system looking
west



Single-ply membrane roofing system - note
patching



Single-ply membrane roofing system looking
west



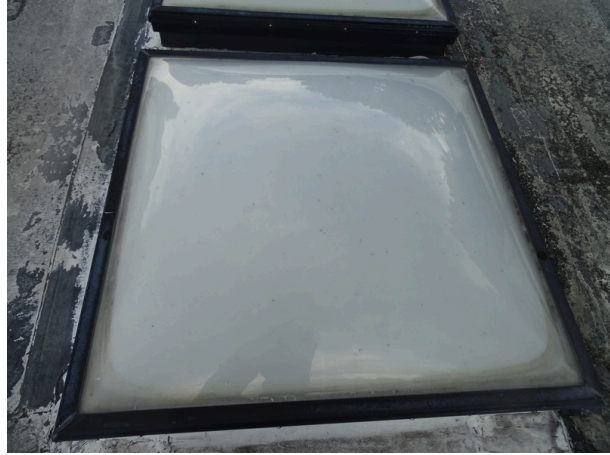
Single-ply membrane roofing system looking
west - note ponding



Single-ply membrane roofing system



Skylights located on north side of the building



Skylight located on north side of the building



Skylights located on north side of the building -
note glass cracked



Skylight located on north side of the building

Recommendations

Cost Recommendation	EUL	EFF AGE	RUL	Year	Cost
REPLACE SINGLE-PLY ROOFING SYSTEM	15	15	0	1	\$770,000
REPLACE SKYLIGHTS AS NEEDED	20	19	1	1	\$10,000
Total					\$780,000

3.4 PLUMBING, MECHANICAL, AND ELECTRICAL SYSTEMS

3.4.1 Plumbing Systems

3.4.1.1 Supply and Waste Piping

PLUMBING - WATER SUPPLY SYSTEM		
Item	Description	Condition
Piping Material	Copper	Good
Pipe Insulation	Fiberglass	Good
Water Shut-offs	Ball valves	Good
Water Flow and Pressure		Good

PLUMBING - WASTE SUPPLY SYSTEM		
Item	Description	Condition
Piping Material	PVC and cast iron	Good
Vertical Vent Stacks	PVC and cast iron	Good
Clean-outs	PVC and cast iron	Good

Comments

Water Lines

The main water supply lines inside the building are Copper. The expected useful life of Copper piping is approximately 40 years. The water supply pipes were generally in good condition.

Waste Lines

The waste lines in the building are PVC and cast iron. The expected useful life of PVC and cast iron waste line is approximately 50 years. The waste lines were generally in good condition and it was observed that some pipes had been replaced over time.

3.4.1.2 Domestic Hot Water Production

HOT WATER PRODUCTION		
Item	Description	Condition
Heating Equipment	Gas domestic water heater	Fair
Water Storage	In water heater	Fair
Circulation Pumps		Good

Comments

Domestic hot water to the building is provided by two Gas domestic water heaters. Both Gas domestic water heaters are located in the mechanical room on the north side of the building. The water heaters were manufactured by RUUD and State Industries.

The expected useful life of a Gas domestic water heater is approximately 15 years with proper maintenance. We recommend the Gas domestic water heaters be replaced during the study period.

Photographs



Gas domestic water heater

Recommendations

Cost Recommendation	EUL	EFF AGE	RUL	Year	Cost
REPLACE WATER HEATERS	12	4	8	8	\$4,400
Total					\$4,400

3.4.2 HVAC Systems

3.4.2.1 Equipment

EQUIPMENT		
Item	Description	Condition
Boilers	Located in mechanical room	Fair
Chillers	Located in mechanical room	Good

EQUIPMENT		
Item	Description	Condition
Cooling Towers	Located outside at west side of the site	Fair
Fan Coil Units	Located at entrances, library, and other rooms	Fair
Heat Exchangers		N/A
Radiators	Located in corridors surrounding courtyards	Good
Dehumidifier Units	Located throughout the building	Good
Condensing Units	Located on west side of the building	Fair
Air Handlers	Located in mechanical room and throughout the building	Fair
Package Units		N/A
Ceiling Fans		N/A
Exhaust Fans	Various	Good
Split System	Located in IT room	Fair
Water Source Heat Pumps (WSHP)	Various	Good
Space Heaters (wall or ceiling mounted)	Located in mechanical room	Fair
Air Conditioners (Window)		N/A

Comments

The building is served by a Central plant HVAC system with supplemental heating/cooling equipment and includes a cooling tower, boilers, chiller, air handlers, circulation pumps, VFD, condensers, radiators, fan coil units, and dehumidifier units.

Boilers

The Patterson Kelly Boilers have an expected useful life of 20 years with proper maintenance. The two boilers were located in the mechanical room at the west side of the building. The boilers were installed in 2003 and were generally in fair condition. We recommend replacing the boilers during the report period.

Cooling Tower

The cooling tower is located at the west side of the building near the mechanical room. The BAC cooling tower was installed in 2003 and was in fair condition. Cooling towers have a typical expected useful life of approximately 18 years. The cooling tower should be replaced during the study period.

Chiller

A newer chiller manufactured Daiken in 2018 was installed in the mechanical room. The chiller was generally in good condition. The expected useful life of a chiller is 25 years with proper maintenance

Fan Coil Units

Fan coil units are located throughout the building and were replaced in 2005. The approximately 50 fan coil units and radiators have a typical expected life of 20 years. Replacement or refurbishment of the units is recommended during the study period.

Dehumidifier Units

Dehumidifier units are located throughout the building and were installed in 2010. The 10 dehumidifier units manufactured by Honeywell have a typical expected life of 15 years. Replacement or refurbishment of the units is recommended during the study period.

Heat Pump

A heat pump is located at the west side of the building at the loading dock area. The condensing unit was manufactured by Trane in 2003. The expected useful life of a condensing unit is 15 years with proper maintenance. The heat pump was observed to be in fair condition. We recommend that the heat pump be replaced during the report period.

Air Handlers

Three of the air handlers are located in the mechanical room on the north side of the building and others are located throughout the building. The units in the mechanical room were manufactured by Trane in 2005 and were in fair condition. The expected useful life of air handlers is 15 years with proper maintenance. We recommend that the air handlers be replaced during the report period.

Split System

A split system manufactured by Sanyo was located in the IT room. The system installation date was unknown and was in fair condition. Split systems have an expected useful life of 15 years and should be replaced during the study period.

Space Heaters

Two ceiling mounted space heaters were located in the mechanical room. The space heaters were in good condition. Replacement of the space heaters is included during the study period.

The City of Charlottesville self performs the mechanical service for the equipment.

Photographs



Cooling Tower located at west end of the site



Typical Air Handler Unit



Typical Air Handler Unit



Typical mechanical duct



Split system located in IT room



Chiller located in mechanical room



Typical fan coil unit



Boilers located in mechanical room

Recommendations

Cost Recommendation	EUL	EFF AGE	RUL	Year	Cost
REPLACE BOILERS	20	18	2	2	\$50,000
REPLACE HEAT PUMP	15	14	1	1 16	\$5,000 \$5,000
REPLACE AIR HANDLERS	15	14	1	1	\$60,000

Cost Recommendation	EUL	EFF AGE	RUL	Year	Cost
REPLACE WATER SOURCE HEAT PUMPS	20	7	13	13	\$42,500
				14	\$42,500
				15	\$42,500
				16	\$42,500
				17	\$42,500
REPLACE DEHUMIDIFIER UNITS	15	11	4	4	\$50,000
REPLACE COOLING TOWER	18	17	1	1	\$30,000
REPLACE SPACE HEATERS	20	15	5	5	\$1,000
REPLACE SPLIT SYSTEM	15	9	6	6	\$2,000
REPLACE FAN COIL UNITS	20	15	5	5	\$100,000
Total					\$515,500

3.4.2.2 Distribution System

HVAC DISTRIBUTION		
Item	Description	Condition
Ducts	Insulated sheet metal	Good
Return Air	Sheet metal	Good

Comments

The distribution system includes ducted supply and a plenum return. Exposed ductwork was observed in limited locations within the building and was in generally good condition.

3.4.2.3 Control Systems

HVAC CONTROL SYSTEMS		
Item	Description	Condition
Thermostats	Digital	Good
Variable Frequency Drives	Located in main mechanical room	Good
Energy Management System	BAS	Good

Comments

The thermostats are located throughout the interior spaces. The thermostats were observed to be in generally good condition. The BAS system was in good condition.

3.4.3 Electrical Systems

3.4.3.1 Service and Metering

SERVICE AND METERING		
Item	Description	Condition
Service Entrance	West side of the building	Good
Master (House) Meter	Located in the main electrical room	Good
Emergency Power		N/A
Transfer Switch		N/A

Comments

Electricity is provided to the building by Dominion Virginia Power. The main electrical entrance is located on the west side of the building and provides 1,000 amp, 3-phase, 4-wire service.

The main electrical switchgear was manufactured by Square D. The expected useful life of switchgear is generally 50 years. The switchgear was generally in good condition.

Photographs



Electrical meter



Electrical main switchgear

3.4.3.2 Distribution

ELECTRICAL DISTRIBUTION SYSTEM		
Item	Description	Condition
Electrical Sub-panels	Reportedly replaced	Good
Branch Wiring	Copper	Good
GFCI Devices		Good
Building Transformers	Floor/pad mounted	Good
Sub-Meters		N/A

Comments

Power is distributed by copper wire from circuit breaker panels located throughout the building. The expected useful life of sub-panels is 50 years with proper maintenance. The circuit breaker panels were reportedly recently replaced. The circuit breaker panels were observed to be in generally good condition.

Photographs



Typical building transformer



Typical electrical circuit breaker panel

3.5 VERTICAL TRANSPORTATION SYSTEMS

ELEVATORS		
Item	Description	Condition
Quantity	One passenger elevator	Good
Capacity	2,100 pounds	Good

ELEVATORS		
Item	Description	Condition
Manufacturer and Type	Thyssen Krupp - hydraulic	Good
Maintenance Contractor	E&F Elevator Inspections and Consulting, Inc	Good
Date of Last Maintenance Inspection	2/22/2021	Good
Cab Finishes	Stainless	Good
Elevator Certificates	Located in Facilities Maint. Office	Good
Door Sensors	Operable	Good
Speed	100 feet per minute	Good
Floor Leveling	Operable	Good
Control System	Operable	Good
Fire Recall System	Operable	Good
Lighting	Operable	Good
Equipment Room		Good

Comments

One hydraulic elevator services the building. The elevator machine and controls were reportedly replaced sometime after 2005. The expected useful life of the elevator controls is 30 to 40 years with proper maintenance. Routine maintenance is considered adequate to keep the elevator system in good condition during the projection period of this report. The last annual inspection was in February 2021 and monthly maintenance is provided.

Photographs



Hydraulic elevator machine and controls



Hydraulic elevator

3.6 LIFE SAFETY AND FIRE PROTECTION

3.6.1 Sprinklers and Suppression Systems

SPRINKLER AND SUPPRESSION SYSTEMS		
Item	Description	Condition
Sprinkler System (wet)	Installed in 2016	Good
Sprinkler Heads	Installed in 2016	Good
Date of Last Inspection (sprinkler system)	April 6, 2021	Good
Sprinkler Pump	Installed in 2016	Good
Fire Extinguishers	Throughout building	Good
Date of Last Inspection (Fire Extinguishers)	June 2021	Good
Fire Standpipes	Installed in 2016	Good
Fire Department Connections	Located on north side of property	Good
Hose Cabinets		N/A
Fire Hydrants	At building exterior	Good

Comments

The fire suppression system is a Wet sprinkler system and fire extinguishers. The fire suppression system was observed but not tested. The sprinklers are connected to the fire alarm. The sprinkler risers are located in the mechanical room.

The sprinkler heads were generally in good condition.

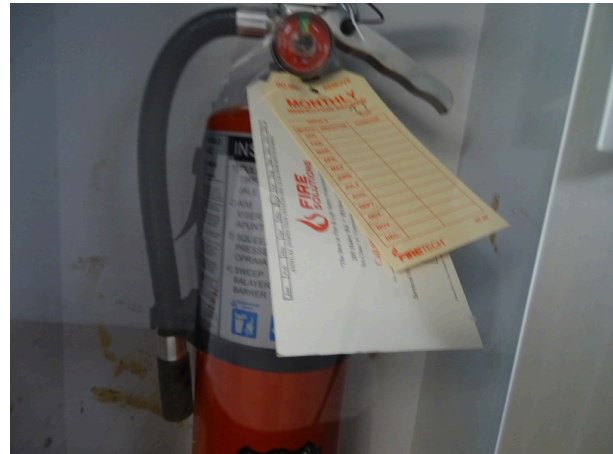
Fire extinguishers were observed throughout the building including in mechanical rooms. The fire extinguishers were observed to have recent inspection tags issued by Fire Solutions in June of 2021. These devices are required to be inspected annually. Replacement of the fire extinguishers is considered routine maintenance.

Fire hydrants are located at the building exterior. The fire hydrants were observed to be in good condition.

Photographs



Typical sprinkler head



Typical fire extinguisher

3.6.2 Alarm Systems

ALARM SYSTEMS		
Item	Description	Condition
Fire Alarm Annunciator panel	Located at main entrance	Good
Central Fire Alarm Control Panel	Located in main utility room	Good
Automatic Notification		Good
Bells	Located throughout the building	Good

ALARM SYSTEMS		
Item	Description	Condition
Strobes	Located throughout the building	Good
Exit Signs	Located throughout the building	Good
Exit Lights	Located throughout the building	Good
Pull Stations	Located throughout the building	Good
Smoke Detectors	Located throughout the building	Good
Carbon Monoxide Detectors		N/A

Comments

The fire alarm system was observed but not tested. A fire control panel is located in the main utility room and annunciator panel is located at the main entrance. The fire control panel was observed to be in good condition. Emergency exit signs and lighting, pull stations, fire extinguishers, smoke detectors, and alarm bells and strobes are located throughout the building.

Photographs



Fire alarm annunciator panel



Typical fire alarm pull station

3.6.3 Security and Other Systems

SECURITY AND OTHER SYSTEMS		
Item	Description	Condition
Security Cameras		N/A

SECURITY AND OTHER SYSTEMS		
Item	Description	Condition
Alarm System	Monitored	Good
Access Control	Intercom system at main entrance	Good
Security Fencing		N/A
Lightning Protection		N/A
Roof Anchors		N/A

Comments

The building is monitored by a motion detector security system with alarms. The security system was reported to be in good condition.

3.7 INTERIOR BUILDING COMPONENTS

3.7.1 Interior Finishes

MAIN OFFICE		
Item	Description	Condition
Floor Finishes	Carpet	Good
Wall Finishes	Painted gypsum board	Good
Ceiling Finishes	Suspended acoustical tile	Good
Lighting	Fluorescent fixtures	Good
Accessories		N/A

RESTROOMS		
Item	Description	Condition
Floor Finishes	Ceramic tile	Good
Wall Finishes	Ceramic tile	Good
Ceiling Finishes	Suspended acoustical tile	Good
Fixtures	Toilets, urinals, wall hung lavatories	Good
Accessories	Partitions, grab bars, mirrors, soap and towel dispensers	Good
Ventilation	Exhaust fans	Good

RESTROOMS

Item	Description	Condition
Lighting	Fluorescent fixtures	Good
Doors	Wood	Good
Door Hardware	Operable	Good

CORRIDORS

Item	Description	Condition
Floor Finishes	Ceramic tile	Good
Wall Finishes	Painted gypsum board, painted CMU	Good
Ceiling Finishes	Suspended acoustical tile	Good
Lighting	Fluorescent fixtures	Good
Doors	Wood	Good
Door Hardware	Operable	Good

STAIRS

Item	Description	Condition
Location	East and west ends of the building	Good
Enclosure		N/A
Framing Support	Steel	Good
Treads	Vinyl	Good
Risers	Steel	Good
Nosing	Vinyl	Good
Handrails	Steel	Good
Lighting	Fluorescent	Good
Pressurized Stairwells		N/A
Doors	Wood	Good
Door Hardware	Operable	Good

KITCHEN		
Item	Description	Condition
Floor Finishes	Ceramic tile	Good
Wall Finishes	Painted gypsum board	Good
Ceiling Finishes	Suspended acoustical tile	Good
Counters	Laminate	Good
Sink	Stainless	Good
Cabinets	Laminate	Good
Appliances	Residential	Good
Stove/Range		N/A
Exhaust Vent/Hood		N/A
Refrigerator		N/A
Dish Washer	Built-in	Good
Microwave Oven	Countertop	Good

UTILITY ROOMS/ MECHANICAL ROOMS		
Item	Description	Condition
Floor Finishes	Unfinished concrete	Good
Wall Finishes	Painted gypsum board/ CMU	Good
Ceiling Finishes	Unfinished	Good
Janitor Sink Area		Good
Lighting	Fluorescent fixtures	Good

AUDITORIUM		
Item	Description	Condition
Floor Finishes	Carpet, wood	Good
Wall Finishes	Painted gypsum board, exposed brick	Good
Ceiling Finishes	Painted gypsum board	Good
Lighting	Fluorescent fixtures	Good
Accessories	Stage curtain	Good
Seating	Floor	Good

AUDITORIUM

Item	Description	Condition
Stage	Wood	Good

CAFETERIA

Item	Description	Condition
Floor Finishes	Ceramic tile	Good
Wall Finishes	Painted gypsum board	Good
Ceiling Finishes	Suspended acoustical tile	Good
Lighting	Fluorescent fixtures	Good
Accessories	Tables	Good

CLASSROOMS

Item	Description	Condition
Floor Finishes	Vinyl tile and/or carpet	Good
Wall Finishes	Painted gypsum board/ painted CMU	Good
Ceiling Finishes	Suspended acoustical tile	Good
Lighting	Fluorescent fixtures	Good
Doors	Wood	Good
Door Hardware	Operable	Good

LIBRARY

Item	Description	Condition
Floor Finishes	Carpet, vinyl and ceramic tiles	Good
Wall Finishes	Painted gypsum board/ painted CMU	Good
Ceiling Finishes	Unfinished & acoustical ceiling tile	Good
Lighting	Fluorescent fixtures	Good
Doors	Wood	Good
Door Hardware	Operable	Good

Comments

The interior building areas include a main office, restrooms, corridors, classrooms, kitchens, an auditorium, a cafeteria, a library, and mechanical/utility spaces. We understand that the interiors are largely original to construction.

The finishes in the main office include carpet floors, painted gypsum board walls, and suspended acoustical ceiling tile ceilings. The finishes in the main office were observed to be in generally good condition.

Restrooms are located throughout the building as accessed from corridors and are also located in classrooms. The finishes in the restrooms include ceramic tile floors, ceramic tile walls, and suspended acoustical tile ceilings. The restrooms were observed to be in generally good condition.

The finishes in the corridors include ceramic tile floors, painted gypsum board walls, and suspended acoustical tile ceilings. The finishes in the corridors were observed to be in generally good condition.

The finishes in the kitchens include ceramic tile floors, painted gypsum board walls, and suspended acoustical tile ceilings. The finishes in the kitchens were observed to be in generally good condition.

The utility and mechanical rooms were generally unfinished, with concrete floors and CMU walls. Some utility rooms had painted gypsum board walls.

The finishes in the auditorium consist of carpet flooring in the seating area and wood at the stage. The walls consist of painted gypsum board and exposed brick. The finishes were generally in good condition.

The finishes in the cafeteria area consisted of ceramic tile flooring, painted gypsum board walls, and suspend acoustical tile ceiling. The finishes were generally in good condition.

The classrooms consist of vinyl tile flooring and/or carpet, painted gypsum board and painted CMU walls, and suspended acoustical tile ceilings. The finishes were generally in good condition.

The finishes in the library consist of carpet, vinyl, and ceramic tile flooring, painted CMU and painted gypsum board walls, and both unfinished and acoustical ceiling tile ceilings. The finishes in the library were generally in good condition.

Photographs



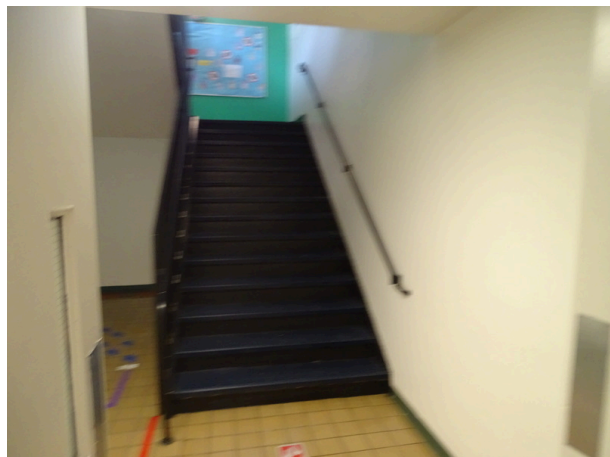
Building interior finishes of corridor area



Interior finishes of library area



Interior finishes of typical classroom area - note recent renovation



Interior finishes stair area

3.8 Accessibility (ADA) Compliance

Comments

Facilities, including site features and buildings, completed and occupied after January 26, 1992 are required to comply fully with the Americans with Disabilities Act (ADA). Facilities constructed after this date must be maintained and operated to comply with the Americans with Disabilities Act Accessibility Guidelines (ADAAG). Existing facilities constructed prior to this date are held to the lesser standard of complying with the extent allowed by structural feasibility and the financial resources available, or a reasonable accommodation must be made. Title III, for the purposes of the ECS scope

of work is to address public accommodations. ECS will note work that shall remove architectural barriers in existing facilities, including communication barriers, that are structural in nature, where such removal is readily achievable and able to be carried out without much difficulty or expense.

The Jackson Via Elementary School property is considered by the City of Charlottesville - Facilities Development to be within "areas of public accommodations" or a "commercial facility" and is therefore is subject to compliance with Title III of the ADA.

The parking area serving the property has a total of approximately 123 parking spaces. Of the parking spaces, Two are accessible with Two being van accessible. Accessibility requires that five accessible parking spaces be provided in parking areas with a total of 101 to 150 spaces. One in six of the accessible parking spaces are required to be van accessible. A minimum of a 60-inch wide access aisle is required to be provided for every two accessible parking spaces. Accessible aisles were observed to not be provided. The number of parking spaces provided does not meet accessibility requirements. We recommend installing three additional accessible spaces with accessible aisles.

Photographs



Accessible parking spaces - note only two of five needed spaces provided



Accessible toilet



Concrete ramp - note need to install truncated domes



Concrete sidewalk and ramp

Recommendations

Cost Recommendation	EUL	EFF AGE	RUL	Year	Cost
PROVIDE THREE ACCESSIBLE PARKING SPACES AND AISLES	-	-	-	Immediate	\$1,500
Total					\$1,500

Uniform Abbreviated Screening Checklist for the 2010 Americans with Disabilities Act			
	Item	Yes/ No	Comments
A.	History		
1.	Has an ADA Survey been completed for this property?	Yes	EMG report dated November 3, 2005
2.	Have any ADA improvements been made to the property since original construction?	Yes	installation of curb ramps with truncated domes at exterior
3.	Has building ownership/management reported any ADA complaints or litigation?	No	not reported
B.	Parking		

Uniform Abbreviated Screening Checklist for the 2010 Americans with Disabilities Act			
	Item	Yes/ No	Comments
1.	Does the required number of standard ADA-designated spaces appear to be provided?	No	Two out of the 123 are accessible.
2.	Does the required number of van-accessible designated spaces appear to be provided?	Yes	Two out of the Two accessible spaces are van accessible
3.	Are accessible spaces part of the shortest accessible route to an accessible building entrance?	Yes	
4.	Is a sign with the International Symbol of Accessibility at the head of each space?	Yes	On sides of parallel parking spaces
5.	Does each accessible space have an adjacent access aisle?	No	need access aisle for spaces
6.	Do parking spaces and access aisles appear to be relatively level and without obstruction?	Yes	
C.	Exterior Accessible Route		
1.	Is an accessible route present from public transportation stops and municipal sidewalks in the property?	Yes	
2.	Are curb cut ramps present at transitions through curbs on an accessible route?	Yes	
3.	Do curb cut ramps appear to have the proper slope for all components?	Yes	
4.	Do ramps on an accessible route appear to have a compliant slope?	Yes	
5.	Do ramps on an accessible route appear to have a compliant length and width?	Yes	
6.	Do ramps on an accessible route appear to have a compliant end and intermediate landings?	Yes	
7.	Do ramps on an accessible route appear to have compliant handrails?	Yes	
D.	Building Entrances		

Uniform Abbreviated Screening Checklist for the 2010 Americans with Disabilities Act			
	Item	Yes/ No	Comments
1.	Do a sufficient number of accessible entrances appear to be provided?	Yes	
2.	If the main entrance is not accessible, is an alternate accessible entrance provided?	N/A	
3.	Is signage provided indicating the location of alternate accessible entrances?	N/A	
4.	Do doors at accessible entrances appear to have compliant clear floor area on each side?	Yes	
5.	Do doors at accessible entrances appear to have compliant hardware?	Yes	
6.	Do doors at accessible entrances appear to have complaint opening width?	Yes	
7.	Do pairs of accessible entrance doors in series appear to have the minimum clear space between them?	N/A	
8.	Do thresholds at accessible entrances appear to have compliant height?	Yes	
E.	Interior Accessible Routes and Amenities		
1.	Does an accessible route appear to connect with all public areas inside the building?	Yes	
2.	Do accessible routes appear free of obstructions and/or protruding objects?	No	
3.	Do ramps on accessible routes appear to have compliant slope?	N/A	
4.	Do ramps on accessible routes appear to have compliant length and width?	N/A	
7.	Are adjoining public areas and areas of egress identified with accessible signage?	Yes	
8.	Do public transaction areas have an accessible, lowered counter section?	Yes	
9.	Do public telephones appear mounted with an accessible height and location?	N/A	
10.	Are publicly-accessible swimming pools equipped with an entrance lift?	N/A	

Uniform Abbreviated Screening Checklist for the 2010 Americans with Disabilities Act			
	Item	Yes/ No	Comments
F.	Interior Doors		
1.	Do doors at interior accessible routes appear to have compliant clear floor area on each side?	Yes	
2.	Do doors at interior accessible routes appear to have compliant hardware?	Yes	
3.	Do doors at interior accessible routes appear to have compliant opening force?	Yes	
4.	Do doors at interior accessible routes appear to have a compliant clear opening width?	Yes	
G.	Elevators		
1.	Are hallway call buttons configured with the "UP" button above the "DOWN" button?	Yes	
2.	Is accessible floor identification signage present on the hoistway sidewalls?	Yes	
H.	Toilet Rooms		
1.	Do publicly-accessible toilet rooms appear to have a minimum compliant floor area?	Yes	
2.	Does the lavatory appear to be mounted at a compliant height and with compliant knee area?	Yes	
3.	Does the lavatory faucet have compliant handles?	Yes	
4.	Is the plumbing piping under lavatories configured to protect against contact?	Yes	
5.	Are grab bars provided at compliant locations around the toilet?	Yes	
6.	Do toilet stall doors appear to provide the minimum compliant clear width?	Yes	
7.	Do toilet stalls appear to provide the minimum compliant clear floor area?	Yes	
8.	Do urinals appear to be mounted at a compliant height and with compliant approach width?	Yes	

Uniform Abbreviated Screening Checklist for the 2010 Americans with Disabilities Act

	Item	Yes/ No	Comments
9.	Do accessories and mirrors appear to be mounted at a compliant height?	Yes	

4.0 DOCUMENT REVIEW

4.1 DOCUMENTATION REVIEW

ECS requested relevant documentation from Josh Bontrager, to gain insight into the subject property's physical improvements, extent and type of use, and/or assist in identifying material discrepancies between reported information and observed conditions. ECS' review of documents submitted does not include commenting on the accuracy of such documents or their preparation, methodology, or protocol.

4.2 INTERVIEW SUMMARY

ECS was escorted through the property by Josh Bontrager and Shawn Davis who provided information about the property.

5.0 ADDITIONAL CONSIDERATIONS

5.1 MOISTURE AND MOLD

Comments

If present, evidence of mold and moisture issues are noted in the interior section of the report.

6.0 RECOMMENDATIONS AND OPINIONS OF COST

The opinion of cost are based upon approximate quantities, costs, and published information, and they include labor, material, design fees, and appropriate overhead, general conditions, and profit. A detailed analysis of quantities for cost estimating purposes is not included. The opinion of cost to repair, replace, or upgrade the improvements are considered typical for the marketplace. No contractors have provided pricing. The actual cost of repairs may vary from our opinions. ECS has not included contingency funds in our opinions. Amounts indicated represent today's dollars. ECS offers the following comments relative to Immediate and Capital Reserves criteria:

Immediate Issues

Physical deficiencies that require immediate action as a result of (i) existing or potentially unsafe conditions, (ii) significant negative conditions impacting tenancy, (iii) material building code violations, (iv) poor or deteriorated condition of critical element or system, or (v) a condition that is left "as is," with an extensive delay in addressing same, would result in or contribute to critical element or system failure within one year.

ECS has also included physical deficiencies inclusive of deferred maintenance that may not warrant immediate attention, but requiring repairs or replacements that should be undertaken on a priority basis, taking precedence over routine preventative maintenance work within a zero to one year time frame. Included are such physical deficiencies resulting from improper design, faulty installation, and/or substandard quality of original systems or materials. Components or systems that have realized or exceeded their Expected Useful Life (EUL) that may require replacement to be implemented within a zero to one year time frame are also included.

Capital Reserves

Capital Reserves are for recurring probable expenditures, which are not classified as operational or maintenance expenses, which should be annually budgeted for in advance. Capital reserves are reasonably predictable both in terms of frequency and cost. However, they may also include components or systems that have an indeterminable life but nonetheless have a potential liability for failure within an estimated time period. A component method has also been included within this report as well.

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

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

ECS's reserve methodology involves identification and quantification of those systems or components requiring capital reserve funds within the evaluation period. Additional information concerning systems or components respective replacement costs (in today's dollars), typical expected useful lives, and remaining useful lives were estimated so that a funding schedule could be prepared. The Capital Reserve Schedule presupposes that all required remedial work has been performed or that monies for remediation have been budgeted for items defined in the Immediate Needs Cost Estimates.

7.0 FACILITY CONDITION INDEX (FCI)

In accordance with our proposal add alternate, ECS determined the Facility Condition Index (FCI) value for the Jackson Via Elementary School building. ECS determined the FCI value in accordance with industry standards and methodology sponsored by The National Association of College and University Business Officers (NACUBO). The FCI calculation methodology consists of dividing the total cost of Maintenance, Repair, and Replacement Deficiencies of the Facility by the Current Replacement Value of the Facility. FCI values and condition of the buildings based on the industry accepted interpretation of FCI values with ratings: good (under 0.05), fair (0.05 to 0.10), and poor (over 0.10).

Based on our Facility Condition Assessment, the total repair and replacement costs for the Jackson Via Elementary School is \$1,573,900.00. The replacement construction cost value obtained from the RS MEANS square foot estimator application is \$7,999,774.21. Please see attached documentation from RS MEANS program output as an appendix to the report. The calculated FCI value is determined to be 0.19. In accordance with the industry standards and methodology sponsored by The National Association of College and University Business Officers (NACUBO), the condition of Jackson Via Elementary School is rated as poor.

The letter rating for the school buildings is based on the FCI values with the ratings system provided by you referenced from the City of Alexandria as follows : A (under 0.10), B (0.11 to 0.20), C (0.21 to 0.40), D (0.41 to 0.60), and F (0.61 to 1.00+).

The letter rating for the Jackson Via Elementary School was determined to be B.

8.0 LIMITATIONS AND QUALIFICATIONS

ECS's FCA cannot wholly eliminate the uncertainty regarding the presence of physical deficiencies and the performance of a property's building systems. Preparation of a FCA in accordance with ASTM E 2018-15 "Standard Guide for Property Condition Assessments: Baseline Property Condition Assessment Process" is intended to reduce, but not eliminate, the uncertainty regarding the potential for component or system failure and cannot reduce the potential that such component or system may not be initially observed.

This FCA was prepared recognizing the inherent subjective nature of ECS's opinions as to such issues as workmanship, quality of original installation, and estimating the remaining useful life of any given component or system. It should be understood that ECS's suggested remedy may be determined under time constraints, formed without the aid of engineering calculations, testing, exploratory probing, the removal of materials, or design. Furthermore, there may be other alternate or more appropriate schemes or methods to remedy the physical deficiency. ECS's opinions are generally formed without detailed knowledge from individuals familiar with the component's or system's performance.

The opinions ECS expresses in this report were formed utilizing the degree of skill and care ordinarily exercised by a prudent professional in the same community under similar circumstances. ECS assumes no responsibility or liability for the accuracy of information contained in this report which has been obtained from the Client or the Client's representatives, from other interested parties, or from the public domain. The conclusions presented represent ECS' professional judgment based on information obtained during the course of this assignment. ECS's evaluations, analyses and opinions are not representations regarding the design integrity, structural soundness, or actual value of the property. Factual information regarding operations, conditions and test data provided by the Client or their representative has been assumed to be correct and complete. The conclusions presented are based on the data provided, observations made, and conditions that existed specifically on the date of the assessment.

Appendix I: SITE MAP AND AERIAL PHOTOGRAPH



Site Map
Jackson Via Elementary School - FCA 2021





Aerial Photograph
Jackson Via Elementary School - FCA 2021



Appendix II: FIRE SPRINKLER INSPECTION

INSPECTION AND TESTING FORM OF WATER BASED FIRE PROTECTION SYSTEMS

1. PROPERTY INFORMATION

Name of property: Jackson-Via Elementary (4433-22903-00039)
 Address: Jackson-Via Elementary School
 Description of property:
 Name of property representative: City of Charlottesville (30548899), Jason Davis (434-964-6771) davisja@charlottesville.org
 Address: 315 4th St NW, Charlottesville, VA 22903
 Phone: 434-962-3643 Fax: 434-970-3026 E-mail: staplesk@charlottesville.org

2. TESTING INFORMATION

Testing Organization: SIEMENS Organization License No.:
 Address: 5106 Glen Alden Drive, Richmond, VA 23231
 Phone: 804-222-6680 Fax: None E-mail: None
 Start Date/Time:___ Completion Date/Time: 4.6.21
 Contract Info: City of Cville Sprinkler (2600105673) Notification Number: 5102050599
 Inspection Type: Quarterly

NOTES: 1) All questions are to be answered Yes, No, or Not Applicable (NA). Explain all No answers in Parts 6, 7, or 8 of this form.
 2) Inspection, Testing, and Maintenance are to be performed with water supplies (including fire pumps) in service, unless the impairment procedures of NFPA 25 are followed.

3. GENERAL INFORMATION (TO BE COMPLETED BY OWNER)

Is the building fully sprinklered? _____
 Has the occupancy classification and hazard of contents remained the same since last inspection? _____
 Are all fire protection systems in service? _____
 Has the system remained in service without modification since last inspection? _____
 Have any fire systems, devices or alarms activated since the last inspection? _____
 If a fire has occurred since the last inspection, have all damaged sprinkler system components been replaced? _____

4. INSPECTOR'S SECTION

4.1 Inspections

Control valves in the correct (open or closed) position and free from external leaks? Yes
 Control valves locked, sealed or supervised? Yes
 Hydraulic nameplate (calculated systems) securely attached and legible? Yes
 Alarm and/or dry pipe valves free from physical damage, trim valves in appropriate position and no leakage? Yes
 Water flow alarm devices free from physical damage? Yes
 Fire department connections visible, signage, accessible, free from damage, couplings free, and caps in place? Yes
 Gauges in good condition showing normal pressure? Yes
 Adequate heat in areas with wet piping? Yes
 Post indicator valves are provided with a correct wrench and in the normal position? (NA)
 Backflow preventers relief port on RPZ device not discharging? (NA)
 For freezer systems, is the gauge near the compressor reading the same as the gauge near the dry-valve? (NA)
 Pressure Reducing valves are in the open position, not leaking, maintain downstream pressure accordance with the design criteria, good condition, and handwheels not broken? (NA)
 Valve encloser for pre-action, deluge and dry systems are above 40f? (NA)

4.2 Testing

Post indicating valves opened until spring or torsion is felt in the rod, then backed off one-quarter turn? (NA)
 Valve supervisory switches indicate movement? (NA)
 Mechanical water flow alarm device passed tests by opening the inspector's test or bypass connection with alarms actuating and flow observed? (NA)

Electrical Waterflow (Vane type, Paddle-type, and Pressure Switch-type) alarm devices passed tests by opening the inspector's test connection or bypass connection with alarm actuating, and flow is observed?	<u>(NA)</u>
Priming level of dry pipe valves correct?	<u>(NA)</u>
Quick opening devices of dry pipe systems passed?	<u>(NA)</u>
Air compressor or nitrogen system in good condition per manufacture maintenance procedure?	<u>(NA)</u>
Low air pressure signal of dry pipe system passed?	<u>(NA)</u>
Main Drain Test water pressure is within 10% reduction in full flow pressure compared to previous test?	<u>(NA)</u>

5. MAIN DRAIN / TRIP TESTS RESULTS

5.1 Report Totals

Total Qty	Functionally Tested Qty	Functionally Tested %	Visually Tested Qty	Visually Tested %	Failed Qty	Failed %
2	0	0%	1	100%	0	0%

5.2 Report Totals by Type

Total Qty	Functionally Tested Qty	Functionally Tested %	Visually Tested Qty	Visually Tested %	Failed Qty	Failed %	Device or System Type
1	0	0%	1	100%	0	0%	Wet Sprinkler Systems
1	0	0%	0	100%	0	0%	Sprinkler FDC - 2 Inlets

5.3 Report Details by Type

Wet Sprinkler Systems												
Row	Date	Address	Location	Model	Water Source	Source PSI	Test Pipe Size	Static PSI	Restore Time (sec)	5 Year Performed	Visual/Functional	Pass/Fail
1	04/06/21	01:Wet	Loading Dock Boiler Room	3 inch Firelock 717HR	City	85	2	90	1	No	Visual	Pass

6. COMMENTS

Address	Location	NFPA Classification	Comment:
01:Wet	Loading Dock Boiler Room	Wet Sprinkler	5 Year services are past due.

7. DEFICIENCIES (ONLY RELATED TO NFPA 25)

A condition that will or has the potential to adversely impact the performance of a system or portion thereof but does not rise to the level of an impairment.

Address	Location	NFPA Classification	Deficiencies:
01:Wet	Loading Dock Boiler Room	Wet Sprinkler	5 Year services are past due.

8. IMPAIRMENTS

A condition where a fire protection system or unit or portion thereof is out of order, and the condition can result in the fire protection system or unit not functioning in a fire event.

Address	Location	NFPA Classification	Impairments:
01:Wet	Loading Dock Boiler Room	Wet Sprinkler	None to report.

9. CERTIFICATION

This Testing Was Performed in Accordance with Applicable NFPA Standards.

I state that the information on this form is correct at the time and place of my inspection and that all equipment tested at this time was left in operational condition upon completion of this inspection except as noted in Parts 6, 7, and 8 above.

Name of Inspector: _____

Inspector License #: _____

Signature: CRAIG BROWN

Date: 4.6.21

10. ACCEPTANCE BY OWNER OR OWNER'S REPRESENTATIVE

Name of Owner or Representative: _____

Signature: _____

Date: _____

The owner and/or designated representative acknowledges the responsibility of the operating condition of the component parts at the time of this inspection. Pursuant to the National Fire Protection Association Form 25, Chapter 4, the owner is responsible for proper maintenance and care of the sprinkler system. It is agreed that the inspection service provided by the contractor as prescribed herein is limited to performing a visual inspection and/or routine testing, and any investigation or unscheduled testing, modification, maintenance, repair, etc., of the component parts is not included as part of the inspection work performed. It is understood that this inspection pertains to the condition of the sprinkler system on the day of inspection only. This inspection meets or exceeds NFPA 25 requirements and or local AHJ requirements. AHJ requirements supersede all other code requirements. The inspector shall not be liable for future defaults or defects in the sprinkler system which are beyond the inspector's control, including, but not limited to, failure from malicious tampering, accidents, lack of proper inspection, material failure or inadequate heating. The inspector can give no assurance, nor will be held liable, with regard to work that may have been previously performed or work performed at a future date by other companies. It is further understood that all information contained herein is provided to the best of the knowledge of the party providing such information.

Appendix III: FIRE EXTINGUISHER INSPECTION

Inspection Certificate

For

Charlottesville-Jackson Via
Elementary
508 Harris Rd
Charlottesville, VA 22903

This Inspection was performed in accordance with applicable Standards. The subsequent pages of this report provide performance measurements, listed ranges of acceptable results, and complete documentation of the inspection. Whenever discrepancies exist between acceptable performance standards and actual test results, notes and/or recommended solutions have been proposed or provided for immediate review and approval.


Inspection Date
Jun 11, 2021

Building: Charlottesville-Jackson Via Elementary
Contact: Jason Davis
Title: Security Maint.

Company: Fire Solutions
Contact: Tommy VO
Title: Technician

Executive Summary

Generated by: BuildingReports.com

Building Information								
Building: Charlottesville-Jackson Via Elementary			Contact: Jason Davis					
Address: 508 Harris Rd			Phone: 434-964-6771					
Address:			Fax:					
City/State/Zip: Charlottesville, VA 22903			Mobile:					
Country: United States of America			Email: davisja@charlottesville.org					
Inspection Performed By								
Company: Fire Solutions			Inspector: Tommy VO					
Address: 205 Haley Road			Phone: 804-385-3301					
Address:			Fax:					
City/State/Zip: Ashland, Virginia 23005			Mobile: 804-385-3301					
Country: United States			Email: tommyv@firesolutionsinc.com					
Inspection Summary								
Category:	Total Items		Serviced		Passed		Failed/Other	
	Qty	%	Qty	%	Qty	%	Qty	%
Fire	17	100.00%	17	100.00%	17	100.00%	0	0%
Totals	17	100%	17	100.00%	17	100.00%	0	0%
Verification								
		Company: Fire Solutions		Building: Charlottesville-Jackson Via Elementary				
		Inspector: Tommy VO		Contact: Jason Davis				
Fire Solutions Certifications								
Certification Type						Number		
WBENC Certified						2005121836		

Inspection & Testing

Generated by: BuildingReports.com

Building: Charlottesville-Jackson Via Elementary				
<p><i>The Inspection & Testing section lists all of the items inspected in your building. Items are grouped by Passed or Failed /Other. Items are listed by Category. Each item includes the services performed, and the time & date at which testing occurred.</i></p>				
Device Type	Location	ScanID : S/N	Service	Date Time
Passed				
Fire				
Fire Extinguisher, 5 Lbs, A.B.C.	1st Lower level-new elevator room 416.19	39853252 YY183060	Inspected	06/11/21 6:51:32 AM
Fire Extinguisher, 10 Lbs, A.B.C.	1st Mechanical Room 416.17	39853251 RR-465046	Inspected	06/11/21 6:43:50 AM
Fire Extinguisher, 5 Lbs, A.B.C.	1st auditorium 416.06	52892056 G17167767	Inspected	06/11/21 6:48:43 AM
Fire Extinguisher, 10 Lbs, A.B.C.	1st floor boiler room 125 416.01	39853247 F99670028	Inspected	06/11/21 6:45:37 AM
Fire Extinguisher, 5 Lbs, A.B.C.	1st hallway by gym 416.03	39853250 G17167764	Inspected	06/11/21 6:44:11 AM
Fire Extinguisher, 5 Lbs, A.B.C.	1st hallway by loading dock 416.02	39853249 G17167768	Inspected	06/11/21 6:44:55 AM
Fire Extinguisher, 5 Lbs, A.B.C.	1st hallway by stage 416.05	39853254 G17167773	Inspected	06/11/21 6:42:46 AM
Fire Extinguisher, 5 Lbs, A.B.C.	1st in Room 21 416.04	39853253 G17171146	Inspected	06/11/21 6:47:47 AM
Fire Extinguisher, 5 Lbs, A.B.C.	2nd by room 7 416.14	39853265 ZF-726559	Inspected	06/11/21 6:41:20 AM
Fire Extinguisher, 5 Lbs, A.B.C.	2nd hallway by L6 416.12	39853263 G17171201	Inspected	06/11/21 6:40:24 AM
Fire Extinguisher, 5 Lbs, A.B.C.	2nd hallway by NE entrance 416.11	39853262 G17167743	Inspected	06/11/21 6:32:31 AM
Fire Extinguisher, 5 Lbs, A.B.C.	2nd hallway by office 416.10	39853260 G17171097	Inspected	06/11/21 6:35:42 AM
Fire Extinguisher, 5 Lbs, A.B.C.	2nd hallway by room 14 416.08	39853257 G17171726	Inspected	06/11/21 6:37:30 AM
Fire Extinguisher, 5 Lbs, A.B.C.	2nd hallway by room 18 416.07	39853256 G17167747	Inspected	06/11/21 6:36:38 AM
Fire Extinguisher, 5 Lbs, A.B.C.	2nd hallway by room L4 416.09	39853259 G17167748	Inspected	06/11/21 6:38:11 AM
Fire Extinguisher, 5 Lbs, A.B.C.	2nd outside room 3. 416.15	39853266 YA679618	Inspected	06/11/21 6:33:55 AM
Fire Extinguisher, 5 Lbs, A.B.C.	2nd teachers lounge kitchen 416.16	61768884 A-96027675	Inspected	06/11/21 6:34:29 AM

Service Summary

Generated by: BuildingReports.com

Building: Charlottesville-Jackson Via Elementary		
<i>The Service Summary section provides an overview of the services performed in this report.</i>		
Device Type	Service	Quantity
<i>Passed</i>		
Fire Extinguisher, 10 Lbs, A.B.C.	Inspected	2
Fire Extinguisher, 5 Lbs, A.B.C.	Inspected	13
Fire Extinguisher, 5 Lbs, A.B.C	Inspected	2
Total		17
Grand Total		17

Fire Extinguisher Maintenance Report

Generated by: BuildingReports.com

Building: Charlottesville-Jackson Via Elementary					
<i>This report provides details on the Hydrostatic Test and Maintenance/Breakdown dates for fire extinguishers. Items that will need either of these services at any time in the next two years are displayed. Items are grouped together by year for budgeting purposes.</i>					
ScanID	Location	Serial #	Hydro	Breakdown	Mfr Date
Due in 2023					
Breakdown/Maintenance					
Fire Extinguisher, A.B.C., 10 Lbs					
39853251	1st Mechanical Room 416.17	RR-465046	04/06/17	04/06/17	04/06/00
Total Fire Extinguisher, A.B.C., 10 Lbs:					1
Fire Extinguisher, A.B.C., 5 Lbs					
61768884	2nd teachers lounge kitchen 416.16	A-96027675	04/06/15	04/06/17	04/06/15
Total Fire Extinguisher, A.B.C., 5 Lbs:					1

Inventory & Warranty Report

Generated by: BuildingReports.com

Building: Charlottesville-Jackson Via Elementary				
<p><i>The Inventory & Warranty Report lists each of the devices and items that are included in your Inspection Report. A complete inventory count by device type and category is provided. Items installed within the last 90 days, within the last year, and devices installed for two years or more are grouped together for easy reference.</i></p>				
Device or Type	Category		% of Inventory	Quantity
Fire Extinguisher	Fire		100.00%	17
Type	Qty	Model #	Description	Manufacture Date
<i>New (under 90 days)</i>				
Buckeye				
Fire Extinguisher	11	5 HI SA40 ABC	A.B.C.	10/06/2021
<i>In Service - 90 Days - 1 Year</i>				
Buckeye				
Fire Extinguisher	1	B456	A.B.C.	10/06/2020
<i>In Service - 5 Years to 10 Years</i>				
Ansul				
Fire Extinguisher	1	X-AA05-1	A.B.C.	04/06/2015
<i>In Service - 10 Years to 15 Years</i>				
Badger				
Fire Extinguisher	1	B5M-07	A.B.C	04/06/2008
Amerex				
Fire Extinguisher	1	AB402-07	A.B.C.	08/07/2007
<i>In Service - 15 Years to 25 Years</i>				
Amerex				
Fire Extinguisher	1	AB500-06	A.B.C	04/06/2006
Badger				
Fire Extinguisher	1	10MB8H00	A.B.C.	04/06/2000

Appendix IV: RS MEANS ESTIMATE FOR FACILITY CONDITION INDEX (FCI)

Square Foot Cost Estimate Report

Date: 2/9/2022

Estimate Name	Jackson Via
	City of Charlottesville 508 Harris Road Charlottesville Virginia 22902
Building Type	School, Elementary with Brick Veneer / Reinforced Concrete
Location	CHARLOTTESVILLE, VA
	2.00
Stories Height	15.00
Floor Area (S.F.)	42,751.00
LaborType	OPN
Basement Included	No
Data Release	Year 2021
Cost Per Square Foot	\$187.12
Total Building Cost	\$7,999,774.21



Costs are derived from a building model with basic components. Scope differences and market conditions can cause costs to vary significantly.

**** Stories entered is outside the range recommended by RSMeans.**

Assembly Customization Type :

- ⊕ Added
- ⦿ Partially Swapped
- Fully Swapped

		Quantity	% of Total	Cost Per SF	Cost
A Substructure			6.2%	\$8.69	\$371,306.22
A1010	Standard Foundations			\$6.11	\$261,395.43
	Foundation wall, CIP, 4' wall height, direct chute, .148 CY/LF, 7.2 PLF, 12" thick	2,250.00		\$3.56	\$152,192.25
	Strip footing, concrete, reinforced, load 11.1 KLF, soil bearing capacity 6 KSF, 12" deep x 24" wide	2,250.00		\$1.91	\$81,456.75
	Spread footings, 3000 PSI concrete, load 100K, soil bearing capacity 6 KSF, 4' - 6" square x 15" deep	76.00		\$0.65	\$27,746.43
A1030	Slab on Grade			\$2.46	\$105,344.88
	Slab on grade, 4" thick, non industrial, reinforced	21,375.50		\$2.46	\$105,344.88

		Quantity	% of Total	Cost Per SF	Cost
A2010	Basement Excavation			\$0.11	\$4,565.91
	Excavate and fill, 30,000 SF, 4' deep, sand, gravel, or common earth, on site storage	37,407.13		\$0.11	\$4,565.91
B Shell			47.4%	\$66.36	\$2,837,054.38
B1010	Floor Construction			\$1.70	\$72,826.56
	Cast-in-place concrete column, 12", square, tied, minimum reinforcing, 150K load, 10'-14' story height, 135 lbs/LF, 4000PSI	1,350.00		\$1.70	\$72,826.56
B1020	Roof Construction			\$7.33	\$313,451.40
	Roof, concrete, beam and slab, 25'x25' bay, 40 PSF superimposed load, 20" deep beam, 9" slab, 152 PSF total load	21,375.50		\$7.33	\$313,451.40
B2010	Exterior Walls			\$32.93	\$1,407,927.15
	Brick wall, composite double wythe, standard face/CMU back-up, 8" thick, perlite core fill, 3" XPS	47,250.00		\$32.93	\$1,407,927.15
B2020	Exterior Windows			\$17.62	\$753,278.02
	Windows, aluminum, awning, insulated glass, 4'-5" x 5'-3"	586.96		\$9.61	\$410,704.04
	Aluminum flush tube frame, for 1/4"glass, 1-3/4"x4", 5'x20' opening, three intermediate horizontals	6,750.00		\$3.51	\$149,988.71
	Glazing panel, insulating, 1" thick units, 2 lites, 1/4" float glass, clear	6,750.00		\$4.50	\$192,585.26
B2030	Exterior Doors			\$0.84	\$35,931.57
	Door, aluminum & glass, with transom, narrow stile, double door, hardware, 6'-0" x 10'-0" opening	3.80		\$0.59	\$25,310.87
	Door, steel 18 gauge, hollow metal, 1 door with frame, no label, 3'-0" x 7'-0" opening	3.80		\$0.25	\$10,620.70
B3010	Roof Coverings			\$5.69	\$243,104.59
	Roofing, single ply membrane, EPDM, 60 mils, loosely laid, stone ballast	21,375.50		\$0.86	\$36,968.93
	Insulation, rigid, roof deck, extruded polystyrene, 40 PSI compressive strength, 4" thick, R20	21,375.50		\$1.98	\$84,695.72
	Base flashing, rubber, neoprene, 1/16" thick, 24 ga galv reglet, 24 ga galv counter flashing	2,250.00		\$1.26	\$53,796.83
	Roof edges, aluminum, duranodic, .050" thick, 8" face	2,250.00		\$1.36	\$58,342.95
	Flashing, aluminum, no backing sides, .019"	2,250.00		\$0.22	\$9,300.17
B3020	Roof Openings			\$0.25	\$10,535.09
	Roof hatch, with curb, 1" fiberglass insulation, 2'-6" x 3'-0", galvanized steel, 165 lbs	3.80		\$0.11	\$4,777.47
	Smoke hatch, unlabeled, galvanized, 2'-6" x 3', not incl hand winch operator	3.80		\$0.13	\$5,757.62
C Interiors			15.6%	\$21.82	\$932,668.10

		Quantity	% of Total	Cost Per SF	Cost
C1010	Partitions			\$3.45	\$147,545.46
	Concrete block (CMU) partition, light weight, hollow, 6" thick, no finish	21,375.50		\$3.45	\$147,545.46
C1020	Interior Doors			\$1.55	\$66,192.90
	Door, single leaf, kd steel frame, hollow metal, commercial quality, flush, 3'-0" x 7'-0" x 1-3/8"	61.07		\$1.55	\$66,192.90
C1030	Fittings			\$1.05	\$44,961.50
	Toilet partitions, cubicles, ceiling hung, painted metal	42.75		\$0.71	\$30,460.39
	Chalkboards, liquid chalk type, aluminum frame & chalktrough	855.02		\$0.34	\$14,501.11
C3010	Wall Finishes			\$4.78	\$204,326.70
	2 coats paint on masonry with block filler	42,751.00		\$2.00	\$85,342.97
	2 coats paint on masonry with block filler	47,250.00		\$2.21	\$94,324.23
	Ceramic tile, thin set, 4-1/4" x 4-1/4"	4,275.10		\$0.58	\$24,659.50
C3020	Floor Finishes			\$5.76	\$246,040.56
	Carpet, tufted, nylon, roll goods, 12' wide, 36 oz	4,275.10		\$0.49	\$20,854.96
	Carpet, padding, add to above, 2.7 density	4,275.10		\$0.09	\$3,836.99
	Terrazzo, maximum	4,275.10		\$1.88	\$80,430.88
	Vinyl, composition tile, maximum	25,650.60		\$1.46	\$62,587.21
	Oak strip, sanded and finished, minimum	8,550.20		\$1.44	\$61,766.82
	Underlayment, plywood, 3/8" thick	8,550.20		\$0.39	\$16,563.70
C3030	Ceiling Finishes			\$5.23	\$223,600.98
	Acoustic ceilings, 3/4" mineral fiber, 12" x 12" tile, concealed 2" bar & channel grid, suspended support	42,751.00		\$5.23	\$223,600.98
D Services			30.6%	\$42.76	\$1,827,933.84
D2010	Plumbing Fixtures			\$6.93	\$296,231.51
	Water closet, vitreous china, bowl only with flush valve, wall hung	42.75		\$3.31	\$141,516.50
	Urinal, vitreous china, wall hung	14.25		\$0.40	\$17,046.46
	Lavatory w/trim, wall hung, PE on CI, 20" x 18"	42.75		\$1.66	\$70,820.24
	Kitchen sink w/trim, countertop, stainless steel, 43" x 22" double bowl	5.70		\$0.31	\$13,217.47
	Service sink w/trim, PE on CI, wall hung w/rim guard, 24" x 20"	1.90		\$0.19	\$8,259.35
	Water cooler, electric, wall hung, wheelchair type, 7.5 GPH	21.85		\$1.06	\$45,371.49
D2020	Domestic Water Distribution			\$0.73	\$31,044.58
	Gas fired water heater, commercial, 100< F rise, 300 MBH input, 278 GPH	1.62		\$0.73	\$31,044.58
D2040	Rain Water Drainage			\$0.89	\$38,061.86

		Quantity	% of Total	Cost Per SF	Cost
	Roof drain, CI, soil,single hub, 5" diam, 10' high	14.25		\$0.81	\$34,578.08
	Roof drain, CI, soil,single hub, 5" diam, for each additional foot add	71.25		\$0.08	\$3,483.78
D3010	Energy Supply			\$9.19	\$392,835.52
	Commercial building heating system, fin tube radiation, forced hot water, 10,000 SF, 100,000 CF, total 2 floors	42,751.00		\$9.19	\$392,835.52
D3050	Terminal & Package Units			\$9.72	\$415,740.65
	Splt sys, air cooled condensing unit, schools and colleges, 20,000 SF, 76.66 ton	42,751.00		\$9.72	\$415,740.65
D4010	Sprinklers			\$2.47	\$105,487.66
	Wet pipe sprinkler systems, steel, light hazard, 1 floor, 50,000 SF	42,751.00		\$2.47	\$105,487.66
D4020	Standpipes			\$0.45	\$19,281.56
	Wet standpipe risers, class III, steel, black, sch 40, 4" diam pipe, 1 floor	0.95		\$0.21	\$9,154.32
	Wet standpipe risers, class III, steel, black, sch 40, 4" diam pipe, additional floors	4.75		\$0.24	\$10,127.24
D5010	Electrical Service/Distribution			\$1.00	\$42,899.14
	Overhead service installation, includes breakers, metering, 20' conduit & wire, 3 phase, 4 wire, 120/208 V, 800 A	1.25		\$0.30	\$12,698.44
	Feeder installation 600 V, including RGS conduit and XHHW wire, 800 A	60.00		\$0.22	\$9,386.70
	Switchgear installation, incl switchboard, panels & circuit breaker, 120/208 V, 3 phase, 800 A	1.20		\$0.49	\$20,814.00
D5020	Lighting and Branch Wiring			\$8.30	\$354,860.87
	Receptacles incl plate, box, conduit, wire, 8 per 1000 SF, .9 W per SF, with transformer	42,751.00		\$2.43	\$104,000.36
	Wall switches, 2.0 per 1000 SF	42,751.00		\$0.33	\$14,022.33
	Miscellaneous power, 1.2 watts	42,751.00		\$0.25	\$10,636.45
	Central air conditioning power, 4 watts	42,751.00		\$0.51	\$21,961.19
	Fluorescent fixtures recess mounted in ceiling, 1.6 watt per SF, 40 FC, 10 fixtures @32watt per 1000 SF	49,163.65		\$4.78	\$204,240.55
D5030	Communications and Security			\$3.01	\$128,537.49
	Communication and alarm systems, includes outlets, boxes, conduit and wire, sound systems, 12 outlets	0.59		\$0.24	\$10,280.79
	Communication and alarm systems, fire detection, addressable, 100 detectors, includes outlets, boxes, conduit and wire	1.19		\$1.68	\$71,877.49
	Fire alarm command center, addressable with voice, excl. wire & conduit	0.95		\$0.26	\$11,163.71

		Quantity	% of Total	Cost Per SF	Cost
	Communication and alarm systems, includes outlets, boxes, conduit and wire, master clock systems, 10 rooms	0.64		\$0.28	\$11,786.51
	Communication and alarm systems, includes outlets, boxes, conduit and wire, master TV antenna systems, 12 outlets	0.99		\$0.28	\$11,784.89
	Internet wiring, 2 data/voice outlets per 1000 S.F.	25.65		\$0.27	\$11,644.09
D5090	Other Electrical Systems			\$0.07	\$2,953.00
	Generator sets, w/battery, charger, muffler and transfer switch, gas/gasoline operated, 3 phase, 4 wire, 277/480 V, 15 kW	4.51		\$0.07	\$2,953.00
E Equipment & Furnishin			0.2%	\$0.28	\$12,177.07
E1020	Institutional Equipment			\$0.28	\$12,177.07
	Architectural equipment, laboratory equipment, counter tops, stainless steel	47.50		\$0.28	\$12,177.07
E1090	Other Equipment			\$0.00	\$0.00
F Special Construction			0.0%	\$0.00	\$0.00
G Building Sitework			0.0%	\$0.00	\$0.00
Sub Total			100%	\$139.91	\$5,981,139.60
Contractor's Overhead & Profit			25.0 %	\$34.98	\$1,495,284.90
Architectural Fees			7.0 %	\$12.24	\$523,349.71
User Fees			0.0 %	\$0.00	\$0.00
Total Building Cost				\$187.12	\$7,999,774.21

Appendix V: SITE PHOTOGRAPHS



1 - Monument sign at north end of the site



2 - Jackson Via Elementary School



3 - Asphalt drive lane west side of the site



4 - Asphalt drive lane east side of the site - note cracking and previous repair



5 - Concrete apron and asphalt drive lane west side of the site



6 - Asphalt drive lane west side of the site - note cracking



7 - Asphalt drive lane west side of the site - note alligator cracks



8 - Asphalt drive lane - note cracking



9 - Asphalt drive lane east side of the site - note cracking and previous repair



10 - Asphalt drive lane east side of the site - note cracking and previous repair



11 - Asphalt parking east side of site - note cracking



12 - Asphalt parking east side of site



13 - Asphalt parking east side of site - note cracking



14 - Asphalt playing surface - note cracking and grass growing



15 - Concrete sidewalk



16 - Concrete ramp - note deterioration



17 - Concrete sidewalk - note deterioration



18 - Concrete sidewalk - note cracking



19 - Concrete ramp - note need to install truncated domes



20 - Concrete sidewalk - note cracking



21 - Concrete sidewalk - note cracking



22 - Concrete sidewalk - note ponding



23 - Concrete sidewalk - note cracking



24 - Asphalt parking - note cracking



25 - Concrete sidewalk - note cracking



26 - Concrete sidewalk - note cracking



27 - Concrete sidewalk - note cracking



28 - Concrete sidewalk - note cracking



29 - Concrete sidewalk and ramp



30 - Concrete sidewalk - note deterioration



31 - Concrete stair



32 - Concrete stair - note stained



33 - Concrete stair - note stained and wall cracking



34 - Concrete stair handrail - note deterioration



35 - Asphalt surface - note cracking and grass growing



36 - Concrete ramp- note deterioration



37 - Concrete ramp- note deterioration



38 - Typical storm drainage



39 - Playground overview



40 - Basketball court south of the building



41 - Typical fencing overview



42 - Playground south end of the site



43 - Playground southwest end of the site



44 - Playground overview



45 - Playground overview



46 - Typical landscape and setting area



47 - Typical landscape



48 - Typical lawn area



49 - Typical landscape and setting area - note table broken



50 - Building exteriors



51 - Building exterior southwest side of the building



52 - Typical perimeter soffit



53 - Building exterior southwest side of the building



54 - Building exterior soffit



55 - Building exterior - note column cracking



56 - Building exterior - note stained and sealant repair



57 - Building exterior - note staining in the parapet



58 - Building exterior west side of the building



59 - Building exterior



60 - Main entrance doors



61 - Typical personnel door



62 - Older exterior window unit



63 - Typical exterior window - note deterioration of gasket



64 - Typical exterior window



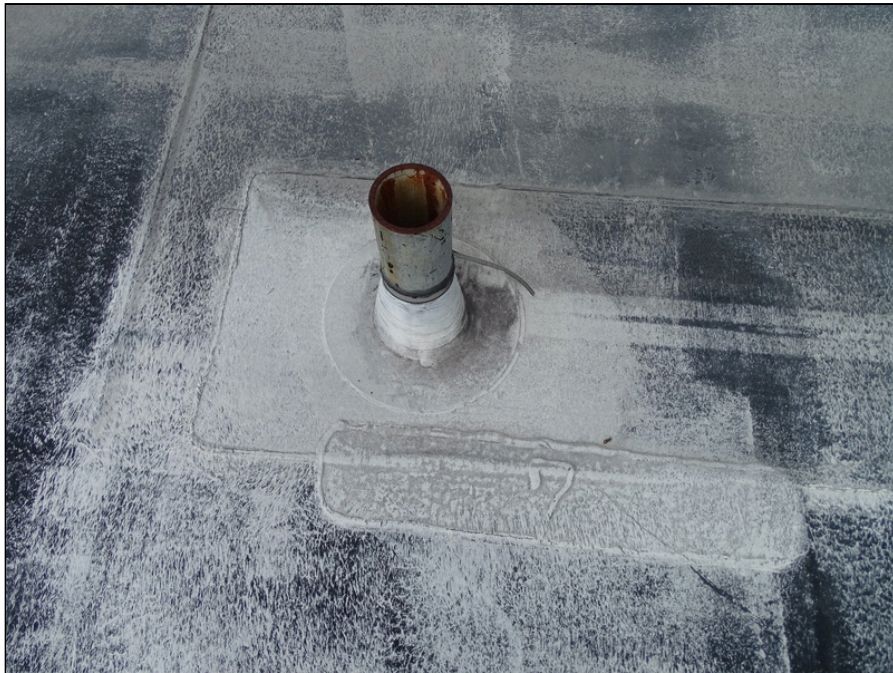
65 - Older exterior window unit



66 - Single-ply membrane roofing system



67 - Typical interior drain



68 - Typical plumbing penetration



69 - Single-ply membrane roofing system looking west



70 - Single-ply membrane roofing system looking west - note ponding



71 - Single-ply membrane roofing system looking west



72 - Single-ply membrane roofing system - note patching



73 - Single-ply membrane roofing system looking west



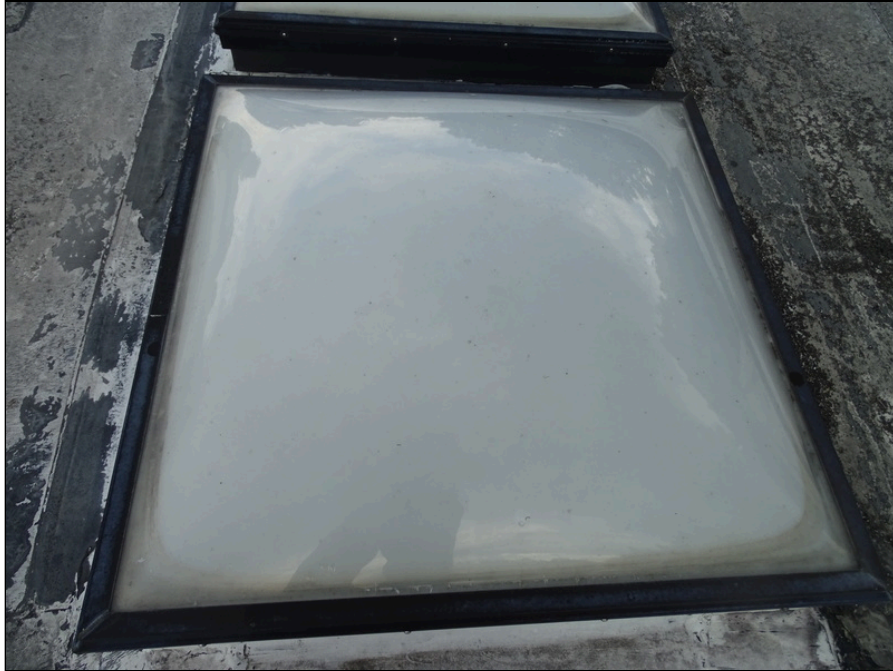
74 - Single-ply membrane roofing system looking west - note ponding



75 - Single-ply membrane roofing system



76 - Skylights located on north side of the building



77 - Skylight located on north side of the building



78 - Skylights located on north side of the building - note glass cracked



79 - Skylight located on north side of the building



80 - Gas domestic water heater



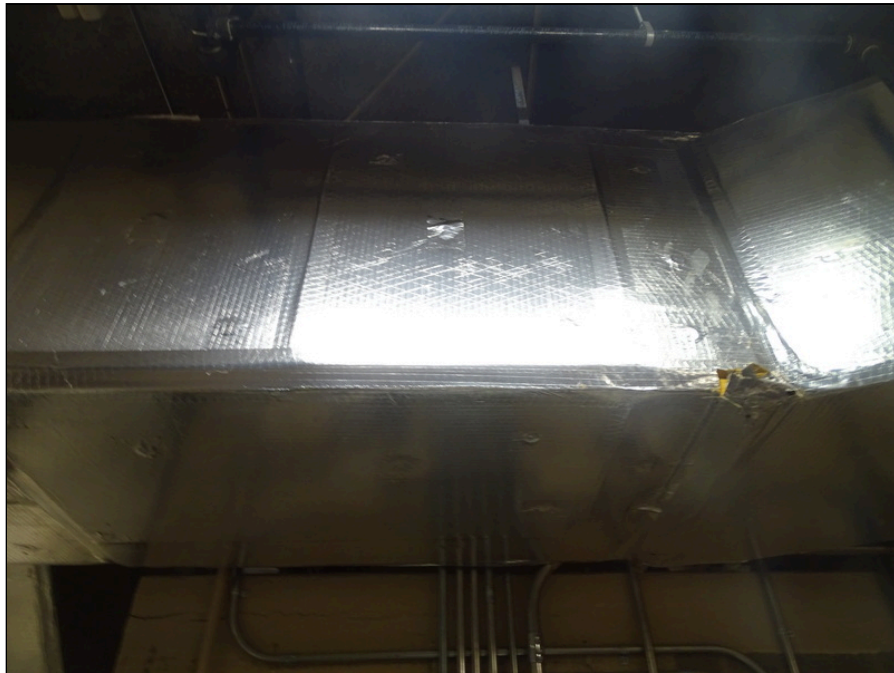
81 - Cooling Tower located at west end of the site



82 - Typical Air Handler Unit



83 - Typical Air Handler Unit



84 - Typical mechanical duct



85 - Boilers located in mechanical room



86 - Condenser located at west side of the building



87 - Split system located in IT room



88 - Janitors mop sink



89 - Variable frequency drive mechanical controls



90 - Chiller located in mechanical room



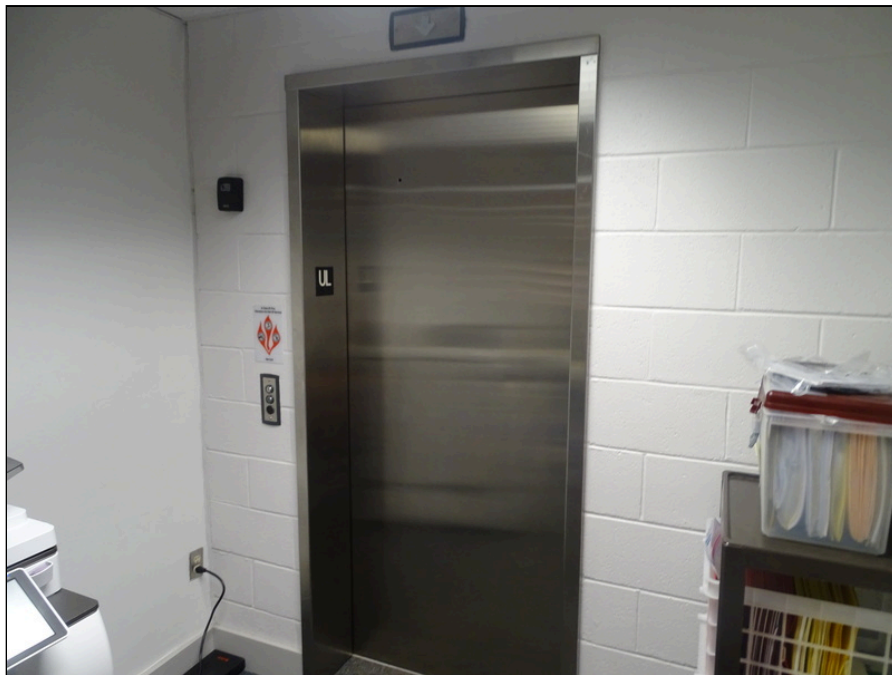
91 - Central plant system pumps



92 - Typical building transformer



93 - Hydraulic elevator machine and controls



94 - Hydraulic elevator



95 - Fire alarm control panel



96 - Fire alarm annunciator panel



97 - Fire alarm annunciator panel



98 - Typical electrical circuit breaker panel



99 - Electrical meter



100 - Electrical main switchgear



101 - Electrical main switchgear



102 - Typical electrical circuit breaker panel



103 - Typical thermostat control



104 - Typical sprinkler head



105 - Typical sprinkler head



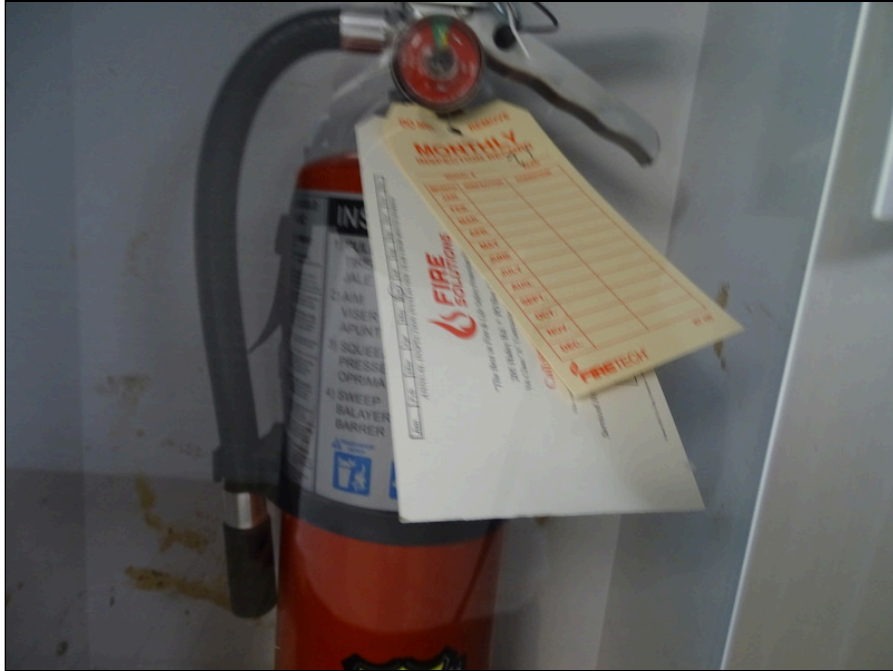
106 - Typical sprinkler head



107 - Typical fire alarm pull station



108 - Typical fire alarm bell and strobe



109 - Typical fire extinguisher



110 - Typical exit sign



111 - Typical smoke detector



112 - Typical emergency lighting



113 - Dumpster area at northeast end of the site



114 - Electric utility transformer at west side of the building



115 - Building exteriors concrete - note recent repairs



116 - Building exterior lighting - not illuminated



117 - Building exterior lighting



118 - Building interior finishes of corridor area



119 - Interior finishes of library area



120 - Interior finishes of office area



121 - Interior finishes corridor area



122 - Interior finishes kitchen area



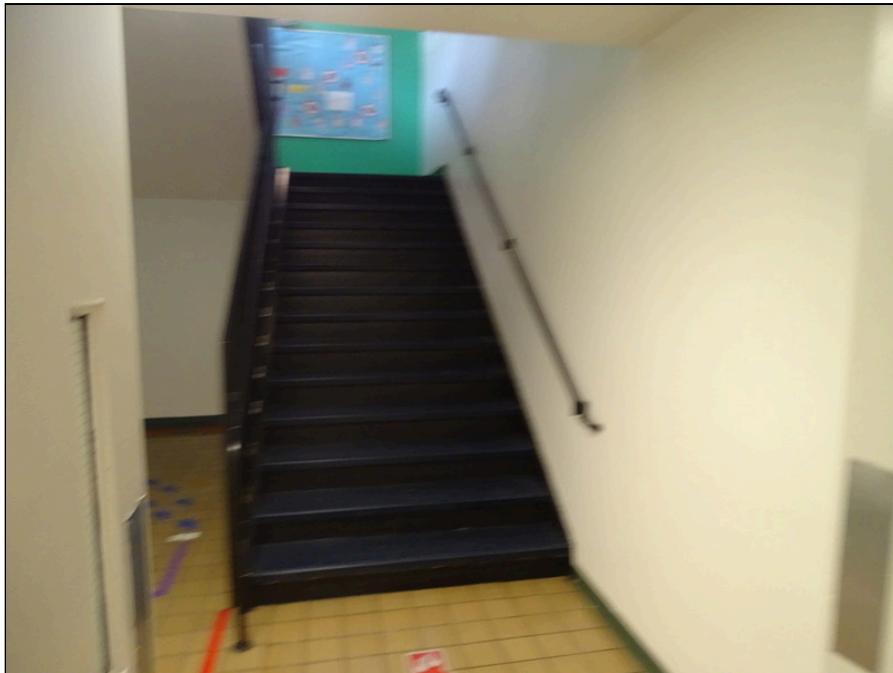
123 - Interior finishes kitchen area



124 - Interior finishes of typical classroom area - note recent renovation



125 - Typical water fountain



126 - Interior finishes stair area



127 - Interior finishes of gymnasium area



128 - Interior finishes of classroom area



129 - Ceiling interior - water leakage



130 - Interior finishes corridor area



131 - Interior finishes of restroom area



132 - Interior finishes classroom area



133 - Interior finishes office area



134 - Interior finishes classroom area



135 - Accessible parking spaces - note only two of five needed spaces provided



136 - Accessible toilet



137 - Accessible drinking fountain



138 - Accessible urinal



139 - Typical fan coil unit

Appendix VI: RESUMES

Michael G. Doyle, AIA

Principal Architect – Facilities Department

EDUCATION

Bachelor of Architecture, 1987, Architecture, Virginia Polytechnic Institute and State University, Blacksburg, VA

REGISTRATIONS

Registered Architect: AZ, DC, MD, VA, NC, IL
The Leadership in Energy and Environmental Design (LEED) Accredited Professional: 2009

Mr. Doyle serves as a Principal Architect for the Facilities Engineering Group in ECS Chantilly. He has over 25 years of experience in the construction industry, and his expertise includes the Americans with Disabilities Act, Property Condition Surveys, Pre and Post Construction Survey Services, Pavement Assessments, and Third-Party Plan Review. He has worked with numerous government agencies and has significant experience with local government and educational facilities; commercial high-rise buildings; multi-unit, residential, and correctional facilities. Mr. Doyle also has had experience on several high-profile historic projects, including the Jefferson Memorial, the Tivoli Theater, the Tariff Building, The White House, the Court of Appeals in Washington, DC; the Valley Bank Building in Leesburg, Virginia; and the Shenandoah Courthouse at Woodstock, Virginia.

Property Condition Assessments - Mr. Doyle has extensive experience performing property condition assessments from small commercial properties, large high rise buildings, to government-owned properties. Mr. Doyle has performed assessment in general accordance with ASTM E 2018, Standard Guide for Property Condition Assessments: Baseline Property Condition Assessment Process. Mr. Doyle also has experience in performing property condition assessments in accordance with lender and specific client requirements. Mr. Doyle has worked with teams of experts in providing detailed reports and simple reserve analysis for properties.

RELEVANT PROJECT EXPERIENCE

Darien Lake, Darien Center, NY – Mr. Doyle was the Principal Architect for the property assessment of the Darien Lake amusement park. The property included over 200 buildings including buildings within the park, maintenance and administration buildings, hotel, campground buildings, and sewer treatment center.

Ballston Park Apartments, Arlington, VA (2014) - originally developed in 1938, this complex includes 50 two-story apartment buildings, one three-story apartment building, one single-family residence, and a single-story office/clubhouse. A PCA and a Phase I Environmental Site Assessment was conducted and documented.

Hyatt House Lodging, Sterling, VA (2014) - This six-story, 162-room, 98,793-square-foot hotel with surface parking was constructed in 2007 as a Sierra Suites and subsequently converted to a Hyatt House. Recreational facilities include a swimming pool, fitness center, a grill area, and a fire pit. Building systems observed per ASTM E 2018 included site conditions, the structural frame and building envelope; plumbing, mechanical and electrical systems, vertical transportation Systems, life safety and fire protection, and ADA Considerations. A Phase I Environmental Site Assessment was also conducted.

WHMO Facilities Assessment, Washington, DC (2015) - This is a privately owned, government-leased facility with a sensitive mission. The structure is believed to be a 1920s vintage building designed as a multi-story car dealership. The government has occupied this space continuously since 1963. Mr. Doyle conducted a survey of the complete facility, identified and documented areas of concerns. He also provide a recommendation for remediation for each area of concern, a Rough Order Magnitude (ROM) cost for remediation, and categorized each area of concern as critical, non-critical or aesthetic.

ADDITIONAL PROJECT EXPERIENCE

- City of Charlottesville Portfolio, Charlottesville, VA
- Liberty Park, Herndon, VA
- Oakcrest School, McLean, VA
- Signature Flight Support, Arlington, VA
- The Gap, Washington, DC
- Lanham Crossing, Lanham, MD
- ZIM American Headquarters Building, Suffolk, VA
- The Portrait Building, Washington, DC
- The Aventine of Alexandria, Alexandria, VA



DONALD GOGLIO

CODE COMPLIANCE PROJECT MANAGER



CERTIFICATIONS

Master Plumber
Master Gasfitter
Cross Connection Technician
Commercial Building Inspector
Commercial Plumbing Inspector
Commercial Mechanical Inspector
Accessibility Inspector/Plan
Reviewer
Fire Inspector I and II
LEED Green Associate
CPR/First Aid Training
OSHA 30 hr Training

SKILLS

Code Compliance
Construction Administration
Special Inspection Services
Condition Assessments
Forensic Consultation

PROFESSIONAL MEMBERSHIPS

American Wood Council
USGBC

EDUCATION

Montgomery College, 1991
Silver Spring, MD

YEARS OF EXPERIENCE

ECS: <1 Other: 38

PROFESSIONAL PROFILE

Mr. Goglio has 38 years of construction, mechanical trade, and management experience. He manages code compliance projects, including reviewing plans, providing technical support, and conducting inspections.

PROJECT EXPERIENCE

Fort Lee AIT Barracks, Ft. Lee, VA – Quality Control Manager – The Fort Lee AIT Barracks project is a soldiers' basic combat training facility for over 1,200 Army personnel. The complex is a cohesive development, providing both housing and affiliated functions for soldiers in the AIT program. In addition to housing, the facility includes an outdoor jogging track, physical training pits, and access drivers and parking areas that meet USACE requirements. The project's five-story brick buildings meet DoD Minimum Antiterrorism Standards for Buildings and obtained LEED® Gold certification from the US Green Building Council. The Fort Lee project is part of the Northeast Region Multiple Award Task Order Contract (MATOC).

Terrapin Row, College Park, MD – Assistant Superintendent – Terrapin Row is a transformative student housing complex located on the University of Maryland's historic South Campus. The mixed-use community features 1,493 beds across 418 apartments as well as a 489-space parking garage. Terrapin Row boasts ample amenities centered around a college lifestyle, including a swimming pool, volleyball court, outdoor kitchens and fire pits, exterior TVs, a fitness center, bike storage, a cyber cafe and game room, and numerous live-learn spaces. The multi-phase project consists of seven buildings and encompasses a pedestrian and bike-friendly Village Green surrounded by over 11,856 square feet of retail space. The Village Green flows into a grand stairway and amphitheater that opens to a pedestrian plaza to welcome pedestrians towards the main academic centers of campus.

The Hartley at the Parks, Washington, DC – Assistant Superintendent – The Hartley is a 323-unit mixed-use apartment community with a Whole Foods Market as its retail anchor in Northwest DC. This six-story community consists of five stories of wood framing over a one-story concrete podium with 317 apartments and six townhomes. It is a part of The Parks at Walter Reed, a mixed-use master-planned redevelopment of the 66-acre historic Walter Reed Army Medical Center with 2,200 residential units plus office and retail. The Hartley features two interior courtyards: the north courtyard includes pool and amenity space, and the south courtyard includes a Zen Garden. The second-floor amenity space includes a lounge, multi-purpose room, fitness center, and pet spa. The studio, one-, two-, and three-bedroom units feature high-end finishes, including quartz countertops and EnergyStar® appliances.



DONALD GOGLIO

CODE COMPLIANCE PROJECT MANAGER



CERTIFICATIONS

Master Plumber
Master Gasfitter
Cross Connection Technician
Commercial Building Inspector
Commercial Plumbing Inspector
Commercial Mechanical Inspector
Accessibility Inspector/Plan
Reviewer
Fire Inspector I and II
LEED Green Associate
CPR/First Aid Training
OSHA 30 hr Training

SKILLS

Code Compliance
Construction Administration
Special Inspection Services
Condition Assessments
Forensic Consultation

PROFESSIONAL MEMBERSHIPS

American Wood Council
USGBC

EDUCATION

Montgomery College, 1991
Silver Spring, MD

YEARS OF EXPERIENCE

ECS: <1 Other: 38

PROFESSIONAL PROFILE

Mr. Goglio has 38 years of construction, mechanical trade, and management experience. He manages code compliance projects, including reviewing plans, providing technical support, and conducting inspections.

PROJECT EXPERIENCE

- Fort Lee AIT Barracks, Ft. Lee, VA
- Terrapin Row, College Park, MD
- The Hartley at the Parks, Washington, DC
- River Point, Washington, DC
- Juniper, Columbia, MD
- The Smith, King of Prussia, PA
- Banner Hill, Baltimore, MD
- Jefferson Square, Baltimore, MD
- Metropolitan at Largo Station, Largo, MD
- The Village at Leesburg, Leesburg, VA
- The Elms at Clarksburg Village, Clarksburg, MD
- Hidden Creek, Gaithersburg, MD
- Paramount, Gaithersburg, MD
- Thayer & Spring, Silver Spring, MD





William R. Pratt, PE

Principal Engineer, ECS Mid-Atlantic, LLC
Professional-In-Charge

EDUCATION

Bachelor of Science, 1989, Mechanical Engineering, University of Massachusetts

REGISTRATIONS

Professional Engineer: DC, VA, MD

ICC Commercial Building, Plumbing, and Mechanical Inspector

Mr. Pratt serves as Senior Project Engineer for ECS Mid-Atlantic, LLC. Mr. Pratt is responsible as the Professional-In-Charge of the code compliance group and provides supervision of code compliance inspection programs for the local jurisdictions. Additionally, he oversees execution of project management for construction materials testing, property condition assessments.

PROPERTY CONDITION ASSESSMENTS - Bill has extensive experience in performing property condition assessments for a variety of properties and structures. These assessments include evaluation of site improvements, building components, roofing, pavements, electrical systems, mechanical systems, and HVAC systems. He performs assessment in general accordance with ASTM E 2018 – 08, Standard Guide for Property Condition Assessments: Baseline Property Condition Assessment Process. Bill also has experience in performing property condition assessments that meet with lender and specific client requirements. He works with teams of experts in providing detailed reports and simple reserve analysis for properties.

SELECT PROJECT EXPERIENCE – PCA

- City of Charlottesville, VA - 51 Property
- Portfolio including schools, libraries, museums, fire and police stations, and court buildings
- Home Properties 800+ Apartment Units, 4-Property Portfolio to Freddie Mac Standard, Hampton and Virginia Beach, VA
- Boulders Office Park 300,000+ SF, 3-Property Portfolio, Richmond, VA
- Darien Lake Theme Park, Darien Center, NY
- Madison Place Office Building, Alexandria, VA
- King of Glory Lutheran Church, Williamsburg, VA
- Comfort Inn, Charlottesville, VA
- The Wisconsin Building, Washington, DC

SELECT PROJECT EXPERIENCE – CODE COMPLIANCE AND SPECIAL INSPECTIONS

- City Center DC, Washington, DC
- DC Courts Judiciary Square, IDIQ Contract, Washington, DC
- Hilton Garden Inn, Washington, DC
- Waterfront Mall, Washington, DC
- 4th Street Reconstruction, Washington, DC
- Sibley Memorial Hospital Addition, Cancer Center, Washington, DC
- Washington Headquarters Services, Arlington, VA
- Walmart #5968-00, Washington, DC
- Progression Place, 7th Street, NW, Washington, DC
- National Gallery of Art, Washington, DC
- City Market @ O, Washington, DC

