



MARCELLUS
CENTRAL SCHOOL DISTRICT

2015 BUILDING CONDITION SURVEY



VOLUME 01





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OVERVIEW

The Marcellus Central School district is a rural New York State district located in Onondaga County, just west of Syracuse. The District serves approximately 1,756 students in three school buildings, and maintains one school building utilized for BOCES programs, a transportation facility and a maintenance building.



The buildings of the district are well maintained and capital work has continued to be an integral part of the overall planning from year to year. The District has also successfully managed a steady stream of projects, including additions, minor renovations, re-roofing, and renovations throughout the District. All of these efforts are focused on providing high quality educational facilities.

THE BUILDING CONDITION STUDY

As required by the SED, the Building Condition Survey (BCS) is intended to provide districts with “all the detailed information necessary to properly maintain safe and healthy school environments for New York public school children. The data will allow school districts to properly plan and prioritize capital improvements, and allow the state to properly plan for building aid reimbursements to districts.” Buildings occupied by students and staff must be surveyed per the commissioner’s Regulation 155.3.

The Building Condition Survey portion of this report is based upon observations made during visual surveys conducted by the project team led by SEI Design Group. No in-depth investigation or destructive testing took place to gather this data. Other resources used include record drawings, building reports, the 2010 Building Condition Survey, interviews with staff members, and field observation by members of the project team. This report addresses only the physical condition of each facility and does not assess the programmatic or educational strengths or weaknesses of the facilities. The Building Condition Survey, as filed with the SED, is very broad in its overview and contains a compressed version of the overall data collected and denoted in the full report, included in this compilation.

BUILDINGS REVIEWED ARE AS FOLLOWS:

The Marcellus Central School District currently owns these buildings, as depicted in the eyes of the State Education Department, and were surveyed accordingly.

STUDENT OCCUPIED:

- a. K.C. Heffernan Elementary School
- b. C.S. Driver Middle School
- c. Senior High School
- d. Kasson Road School

NON-STUDENT OCCUPIED:

- e. Transportation Facility
- f. Maintenance Building

FIVE YEAR PLAN

Planning for Capital Projects is an ongoing process and priorities shift as conditions change at each building. Trying to prioritize this work to address the most critical needs is an ever changing challenge. The Five-Year Capital Facilities Plan is to be used as a tool to help to better focus the District's efforts. Please note that this plan is not a finite inventory of all work that will be performed over the next five years, but rather it offers a budget and guideline, and a general planning schedule for the five year period. The projects and budgets contained within this plan are formulated first by analyzing the buildings through inspection, gathering current needs from district personnel, and updating systems based on either age and function or as required by the governing codes.

SUMMARY

In 2015, The Marcellus Central School District retained SEI Design Group to assist the District with development of a Five Year Capital Facilities Plan. This included completion of a Building Conditions Survey for each of the normally occupied District Facilities.



The Five Year Capital Facilities Plan has several purposes; it is intended to be a tool to help school districts manage their capital assets by requiring them to collect, coordinate, analyze, and prioritize facility infrastructure and building program needs on a district-wide basis. In addition, the Plan should discuss proposed new school facilities, additional classroom construction or site acquisitions. The Plan will be reviewed by the State Education Department to insure that health and safety needs are being addressed by the District.

The District has managed a steady stream of projects over the past ten years from minor system replacements or upgrades to major alteration Projects. A current alteration project includes additions and major alterations to the Senior High School as well as security and mechanical upgrades to other schools.

Facilities in the District are generally in good condition and reflect a significant commitment to a dedicated and proficiently managed maintenance and capital improvement program.

Recommendations contained within this report are prioritized by year. Priority one items are positioned in Years 1-2, priority two items are located in Years 3-4, priority three items are located in year 5 and beyond. Priority one items may also indicate that those items are one that the district plans on completing in-house or with funds budgeted for maintenance and repair. Typically, priorities one and two are items that might be included in an upcoming capital project recognizing that it takes several years to initiate and complete a capital project. No attempt was made to further prioritize within a given period. All recommendations within a given period are considered to have equal weight.

Costs for all recommendations are in today's construction dollars. Escalation for inflation and changing construction market factors will be evaluated and revised if and when capital projects are formulated.

District Facilities

K.C. Heffernan Elementary School

C.S. Driver Middle School

Senior High School

Kasson Road School

Maintenance Building

Transportation Facility

Five Year Plan

Planning for facilities improvements, infrastructure, technology and programmatic needs is an on-going process. The current administration has been very active in defining priorities and reconciling programmatic needs with facility needs. Meeting with the district's architects and engineers to determine the best solution to these has been a consistent part of this process.

K.C. Heffernan Elementary School: Originally built in 1953, this is a single story building of approximately 62,850 square feet. In 2015 the current enrollment was 456. Scheduled upgrades include but are not limited to secure entrance alterations and plumbing and heating system upgrades. Recommended five year plan upgrades include but are not limited to: Site and play area improvements, electrical upgrades, communications upgrades, ceiling and lighting replacement, classroom renovation, including cabinetry and plumbing fixtures, exterior door replacement, interior door replacement, exterior masonry and concrete wall restoration, exterior wood fascia restoration, kitchen alterations, gym renovation, roof replacement, plumbing upgrades, mechanical HVAC upgrades, safety and security upgrades and hazardous material abatement.

C.S. Driver Middle School: Originally built in 1936, this is a two story building of approximately 197,737 square feet. In 2015 the current enrollment was 690. Scheduled upgrades include but are not limited to secure entrance alterations. Recommended five year plan upgrades include but are not limited to: Site, building access, and field fencing improvements, ADA access improvements, electrical upgrades, communications upgrades, ceiling and lighting replacement, classroom renovation, including cabinetry and trim, corridor renovation, office renovation, art room renovation, home and careers renovation, historic window replacement, exterior door replacement, interior door replacement, exterior masonry wall restoration, exterior wood fascia restoration, 4-6 gym and locker room renovation, auditorium lighting and sound upgrades, nurse suite ADA improvements, roof replacement, plumbing upgrades, major system mechanical HVAC upgrades including elimination of steam system, safety and security upgrades and hazardous material abatement.

Senior High School: Originally built in 1964, this is a two story building of approximately 139,645 square feet. In 2015 the current enrollment was 610. Scheduled upgrades include but are not limited to site improvements, classroom addition and major building-wide alterations to classrooms, administration and locker rooms including all infrastructure, electrical, plumbing and mechanical HVAC upgrades. Recommended five year plan upgrades include but are not limited to: Site and track and field improvements, cafeteria upgrades including exiting, kitchen upgrades, added performing arts storage, minor auditorium improvements, gym improvements, exterior masonry restoration, plumbing upgrades, electrical upgrades and mechanical HVAC upgrades.

Kasson Road School: Originally built in 1959, this is a single story building of approximately 37,739 square feet. In 2015 the school building was occupied by BOCES for student programs. Recommended five year plan upgrades include but are not limited to: Site, play area and basketball improvements, exterior door replacements, interior door hardware upgrades, ceiling and lighting replacement, electrical and communications upgrades, plumbing upgrades, mechanical HVAC upgrades, classroom renovations, gym window replacement, masonry and structural repairs, safety and security upgrades and hazardous material abatement.

Maintenance Building: Originally built in 1940, this is a single story building of approximately 11,100 square feet. Recommended five year plan upgrades include but are not limited to: Site sanitary and drainage improvements, roof replacement, exterior man door replacement, interior door replacement, window replacement, flooring and slab improvements, corroded structural column base repair, plumbing upgrades, electrical and lighting upgrades, mechanical heating and ventilation upgrades, and safety upgrades.

Transportation Facility: Originally built in 2006, this is a single story building of approximately 13,443 square feet. Recommended five year plan upgrades include but are not limited to: Minor site improvements, addressing corrosion in wash bay, treatment system for wash bay waste water, and electrical upgrades.

Marcellus Central School District

BCS Findings/FYP Potential Scope Items

SEI Design Group - 187 Wolf Road, Suite 304, Albany, NY 12205
SEI Project No. 15-3037
Final 2016

This Five Year Plan scope document shall be considered a "living" document, which can be used to develop District priorities to manage facility needs. This document therefore requires updating as scope is better defined, in the event of its usage for capital projects, etc. Estimates provided are probable in nature and should be used for budget planning purposes only. Expected incidental expenses are added to the total of each priority level's construction dollars, as if the included scope is provided as part of a capital project.



Rating	Trade	KC Heffernan Elementary School	Construction Cost as of 2015	Cost plus 5% Escalation	Building Condition Survey (Rating 1)	In House Work (Rating 5)	5 Year Plan (Rating 2)	Long Range Plan (Rating 3-4)
3	SITE	Replace Asphalt Walk to DMS with Concrete And Replace Curb with Granite	\$55,000	\$57,750.00				\$57,750.00
1	SITE	Clean Out Storm Structure in Center Median Concrete Gutter in Low Spot	\$1,200	\$1,260.00	\$1,260.00			
3	SITE	Provide Asphalt Walk up to Playscape Surfacing	\$2,100	\$2,205.00				\$2,205.00
5	SITE	Replace Kindergarten Play Area on West Hillside and Provide Proper Access	\$400,000	\$420,000.00		\$420,000.00		
1	SITE	Repair Structure on Northwest Corner of Building in Lawn Area	\$3,500	\$3,675.00	\$3,675.00			
5	SITE	Replace Concrete and Brick Entrance to North Playscape with Level Entrance	\$5,000	\$5,250.00		\$5,250.00		
2	SITE	Replace Damaged Gutter Across Main Drive from Bus Loop	\$15,000	\$15,750.00			\$15,750.00	
3	SITE	Reset Main Stairs	\$50,000	\$52,500.00				\$52,500.00
1	SITE	Seal and Crack Fill Asphalt on North End of Building	\$11,000	\$11,550.00	\$11,550.00			
1	SITE	Drainage Improvements on West Side on Building at Hillside	\$150,000	\$157,500.00	\$157,500.00			
2	SITE	Replace Sanitary Main from Building to Main in Road	\$40,000	\$42,000.00			\$42,000.00	
1	SITE	Replace Brick Risers in Structures with Precast Rings (5)	\$13,000	\$13,650.00	\$13,650.00			
3	GEN	Replace Entry Doors and Frames (6) Pair (1) Single	\$94,000	\$98,700.00				\$98,700.00
1	GEN	Masonry and Concrete Wall Restoration	\$50,000	\$52,500.00	\$52,500.00			
1	GEN	Kitchen, Gym and Cafeteria Roofs	\$222,000	\$233,100.00	\$233,100.00			
5	GEN	Prep and Paint Wood Fascia Around Perimeter of Building	\$23,500	\$24,675.00		\$24,675.00		
3	GEN	Replace Old Classroom Cabinets and Benches	\$448,000	\$470,400.00				\$470,400.00
1	GEN	Replace Concealed Spline Corridor Ceilings	\$205,000	\$215,250.00	\$215,250.00			
1	GEN	Replace Concealed Spline Classroom Ceilings	\$476,000	\$499,800.00	\$499,800.00			
4	GEN	Replace Interior Doors and Hardware (Mag Holds at Classrooms)	\$222,500	\$233,625.00				\$233,625.00
1	GEN	Kitchen Renovation	\$445,000	\$467,250.00	\$467,250.00			
4	GEN	Renovate Cafeteria	\$135,000	\$141,750.00				\$141,750.00
1	GEN	Renovate Gym	\$190,000	\$199,500.00	\$199,500.00			
2	GEN	Replace Hatch Door/Frame at Penthouses (2 @4'x5')	\$16,000	\$16,800.00			\$16,800.00	
5	GEN	Secure Crawl Space Access in Boiler Room (2)	\$4,000	\$4,200.00		\$4,200		
1	GEN	Asbestos and Lead Based Paint Allowance	\$160,000	\$168,000.00	\$168,000.00			
1	MECH	Add A/C to Data Closets (2)	\$37,500	\$39,375.00	\$39,375.00			
1	MECH	Replace Original Exhaust Fans. Replace Gymnasium Air Handling System.	\$680,000	\$714,000.00	\$714,000.00			
3	MECH	Clean Gym and Library Ductwork Systems	\$20,000	\$21,000.00				\$21,000.00
1	PLMB	Replace Original CW, HW, HWR and Branch Piping. Replace Valves (1953 and 1964 Wings)	\$120,000	\$126,000.00	\$126,000.00			
3	PLMB	Replace Original Classroom WC, SK w/ Bubbler	\$170,000	\$178,500.00				\$178,500.00
5	PLMB	Replace Water Heaters	\$65,000	\$68,250.00		\$68,250.00		
2	PLMB	Add Strainer Before BFP	\$5,000	\$5,250.00			\$5,250.00	
1	ELEC	Replace Obsolete Main Distribution Panel. Add Additional Convenience Power in Classrooms	\$160,000	\$168,000.00	\$168,000.00			
1	ELEC	Replace Lighting with LED (at ceiling work)	\$768,000	\$806,400.00	\$806,400.00			
2	ELEC	Replace PA Head End	\$65,000	\$68,250.00			\$68,250.00	
1	ELEC	Replace Old Transformer Currently Inside Building to Outdoor Pad Mount	\$95,000	\$99,750.00	\$99,750.00			
2	ELEC	Add Strobes in Classrooms	\$20,000	\$21,000.00			\$21,000.00	
1	ELEC	Revise Various Corridor Fixtures to be on EM. Replace Flourescent Exits, Add Battery Packs, EM Lighting at Exit	\$55,000	\$57,750.00	\$57,750.00			
4	ELEC	Add Generator	\$250,000	\$262,500.00				\$262,500.00
		10% Construction Contingency		\$624,466.50	\$403,431.00	\$52,237.50	\$16,905.00	\$151,893.00
		25% Incidental Budget		\$1,717,282.88	\$1,109,435.25	\$143,653.13	\$46,488.75	\$417,705.75
		KC Heffernan Elementary School Project Budget		\$8,586,414.38	\$5,547,176.25	\$718,265.63	\$232,443.75	\$2,088,528.75

Rating	Trade	CS Driver Middle School	Construction Cost as of 2015	Cost plus 5% Escalation	Building Condition Survey (Rating 1)	In House Work (Rating 5)	5 Year Plan (Rating 2)	Long Range Plan (Rating 3-4)
1	SITE	Replace Structure Riser Bricks with Concrete Rings (40)	\$100,000	\$105,000.00	\$105,000.00			
2	SITE	Mill and Top East Parking Lot by Facilities Building	\$75,000	\$78,750.00			\$78,750.00	
1	SITE	Replace Concrete Sidewalk and Ramp with New Curb and East Entrance Near Loading Dock	\$2,000	\$2,100.00	\$2,100.00			
1	SITE	Provide Ramp with Detectable Warning Tiles for Crosswalk Along Main Drive	\$2,000	\$2,100.00	\$2,100.00			
1	SITE	Replace West End Pavement to Front Loop	\$120,000	\$126,000.00	\$126,000.00			
1	SITE	Replace Asphalt Walk on West End with Concrete	\$30,000	\$31,500.00	\$31,500.00			
1	SITE	Replace Damaged Concrete Walk on West End	\$90,000	\$94,500.00	\$94,500.00			
1	SITE	Replace Concrete Curb on West End with Granite	\$20,000	\$21,000.00	\$21,000.00			
2	SITE	Replace Stairs to Upper Fields and Provide Handrails	\$150,000	\$157,500.00			\$157,500.00	
3	SITE	Provide Concrete Aprons at all Structures on Pavement (8)	\$20,000	\$21,000.00				\$21,000.00
1	SITE	Reset Granite Curb on East Side by Gas Building	\$1,000	\$1,050.00	\$1,050.00			
1	SITE	Drainage Improvements on West End of Building	\$250,000	\$262,500.00	\$262,500.00			
1	SITE	Reset Both Sets of Stairs in the Front on the Building	\$100,000	\$105,000.00	\$105,000.00			
1	SITE	Replace Failed Storm Structure on Northwest Corner of Building, Foundation Drainage Issues	\$5,000	\$5,250.00	\$5,250.00			
1	SITE	Replace 4' HT Player Fencing with 6' HT Fencing for Player Safety	\$4,000	\$4,200.00	\$4,200.00			
5	SITE	Fill in Planting Triangle in Concrete Walk from KCH for Maintenance. Relocate Plantings	\$5,000	\$5,250.00		\$5,250.00		
1	GEN	Provide ADA Access into Courtyard	\$300,000	\$315,000.00	\$315,000.00			
1	GEN	Masonry Restoration / Lintel Replacement	\$28,500	\$29,925.00	\$29,925.00			
3	GEN	Replace Entrance Doors and Frames (6) Single	\$30,000	\$31,500.00				\$31,500.00
1	GEN	Replace Historic Windows	\$1,008,000	\$1,058,400.00	\$1,058,400.00			
1	GEN	Cafeteria Roof	\$94,000	\$98,700.00	\$98,700.00			
1	GEN	Add Canopies at Auditorium Side Exits	\$14,500	\$15,225.00	\$15,225.00			
1	GEN	Prep and Paint Roof Edge Fascia	\$44,500	\$46,725.00	\$46,725.00			
5	GEN	Accessible Basement Exiting	\$22,500	\$23,625.00		\$23,625.00		
1	GEN	Address Leaded Glass Issues	\$10,000	\$10,500.00	\$10,500.00			
3	GEN	Library Corridor Upgrades	\$85,000	\$89,250.00				\$89,250.00
4	GEN	Replace Interior Doors and Hardware (Mag Holds at Classrooms)	\$400,000	\$420,000.00				\$420,000.00
2	GEN	Renovate Art Room	\$217,000	\$227,850.00			\$227,850.00	
4	GEN	Renovate Home and Careers	\$242,000	\$254,100.00				\$254,100.00
2	GEN	Remove Lab Casework from Rooms 104 and 106	\$50,000	\$52,500.00			\$52,500.00	
5	GEN	Flooring Replacement	\$63,000	\$66,150.00		\$66,150.00		
1	GEN	Replace Concealed Spline Ceilings (abatement)	\$63,000	\$66,150.00	\$66,150.00			
3	GEN	Renovate Offices Opposite District Office	\$274,000	\$287,700.00				\$287,700.00
3	GEN	Renovate Original Gym (bleachers)	\$120,000	\$126,000.00				\$126,000.00
1	GEN	Renovate Original Locker Rooms	\$190,000	\$199,500.00	\$199,500.00			
1	GEN	Nurse Area ADA Toilet	\$45,000	\$47,250.00	\$47,250.00			
1	GEN	Abatement Allowance (classroom pipes, corridor ceilings, window caulk, flooring)	\$300,000	\$315,000.00	\$315,000.00			
1	MECH	Replace Pneumatic DDC controls with Electronic DDC Controls	\$300,000	\$315,000.00	\$315,000.00			
3	MECH	Add Power Venting for Exhaust (Currently Gravity)	\$45,000	\$47,250.00				\$47,250.00
1	MECH	Replace Boiler Feed Tank, Steam Traps, Re-insulate Condensate Piping, Replace Radiation & Convector (only if steam to hot water project is not done)	\$134,600	\$141,330.00	\$141,330.00			
1	MECH	Steam to Hot Water in Old Building (includes existing boiler retrofit, not new boilers)	\$1,750,000	\$1,837,500.00	\$1,837,500.00			
1	MECH	1971 Unit Vents (with steam to hot water conversion project)	\$500,000	\$525,000.00	\$525,000.00			
1	MECH	Replace Boilers (in lieu of retrofit as part of steam to hot water project)	\$450,000	\$472,500.00	\$472,500.00			
3	MECH	Clean Original Air Handling Systems, Add Ventilation and A/C to District Office	\$195,000	\$204,750.00				\$204,750.00
3	MECH	Clean Original Ductwork Systems	\$25,000	\$26,250.00				\$26,250.00
1	MECH	Add A/C to Computer Labs and Closets	\$115,000	\$120,750.00	\$120,750.00			
2	MECH	Replace Air Handling Unit for Original Gym w/ Ventilation System for Locker Rooms (with or after boiler work)	\$246,600	\$258,930.00			\$258,930.00	
2	MECH	Replace Air Handling System for Auditorium	\$250,000	\$262,500.00			\$262,500.00	
4	MECH	New Dust Collection Sytem	\$185,000	\$194,250.00				\$194,250.00
1	PLMB	Replace Original Galvanized CW, HW, HWR and Branch Piping Including Isolation Valves	\$230,000	\$241,500.00	\$241,500.00			
1	PLMB	Replace Gym Locker Room and Boiler Room Underslab Sanitary System	\$120,000	\$126,000.00	\$126,000.00			
2	PLMB	Add Strainer Before BFP	\$5,000	\$5,250.00			\$5,250.00	
3	PLMB	Replace Sinks in Gang Toilets	\$8,000	\$8,400.00				\$8,400.00
1	ELEC	Replace Theatrical Lighting and Audio	\$385,000	\$404,250.00	\$404,250.00			
2	ELEC	Replace PA Head End	\$65,000	\$68,250.00			\$68,250.00	
1	ELEC	Replace Remaining Obsolete Secondary Panelboards and Add Additional Convenience Power	\$85,000	\$89,250.00	\$89,250.00			

2	ELEC	Add Strobes to Classrooms	\$30,000	\$31,500.00			\$31,500.00	
2	ELEC	Add Heat Detectors in Storage Areas in Basement	\$10,000	\$10,500.00			\$10,500.00	
3	ELEC	Add Fire Suppression in Kitchen	\$25,000	\$26,250.00				\$26,250.00
2	ELEC	Revise Various corridor Fixtures to be on EM. Add emergency Lighting at Exit Discharge in Original Building	\$60,000	\$63,000.00			\$63,000.00	
4	ELEC	Add Generator	\$290,000	\$304,500.00				\$304,500.00
1	ELEC	Add Gas Detection in Boiler Room (with boiler replacement)	\$7,500	\$7,875.00	\$7,875.00			
1	ELEC	Exterior Lighting (Wall Packs)	\$35,000	\$36,750.00	\$36,750.00			
10% Construction Contingency				\$1,063,303.50	\$728,028.00	\$9,502.50	\$121,653.00	\$204,120.00
25% Incidental Budget				\$2,924,084.63	\$2,002,077.00	\$26,131.88	\$334,545.75	\$561,330.00
CS Driver Middle School Project Budget				\$14,620,423.13	\$10,010,385.00	\$130,659.38	\$1,672,728.75	\$2,806,650.00

[illegible]

[illegible]

Rating	Trade	Maintenance Building	Construction Cost as of 2015	Cost plus 5 % Escalation	Building Condition Survey (Rating 1)	In House Work (Rating 5)	5 Year Plan (Rating 2)	Long Range Plan (Rating 3-4)
3	SITE	Replace Sanitary from Building to Main	\$40,000	\$42,000.00				\$42,000.00
1	SITE	Replace Storm Structure on Southwest Corner on Building	\$5,000	\$5,250.00	\$5,250.00			
1	SITE	Check Roof Drain Connections and Replace if Necessary	\$50,000	\$52,500.00	\$52,500.00			
2	SITE	Replace Trench Drain on North End and Adjust Grades to Minimize Slopes Outside OH Doors	\$95,000	\$99,750.00			\$99,750.00	
2	SITE	Provide Drainage Against West Side of Building	\$100,000	\$105,000.00			\$105,000.00	
1	GEN	Roof Replacement	\$170,000	\$178,500.00	\$178,500.00			
3	GEN	Window Replacement	\$110,000	\$115,500.00				\$115,500.00
5	GEN	Replace Exterior Man Doors	\$11,000	\$11,550.00		\$11,550.00		
5	GEN	Replace Interior Doors and Hardware	\$9,000	\$9,450.00		\$9,450.00		
4	GEN	Replace Flooring	\$10,000	\$10,500.00				\$10,500.00
4	GEN	Coat Concrete Floors in Bays	\$38,000	\$39,900.00				\$39,900.00
1	GEN	Repair Corroded Column Bases	\$18,000	\$18,900.00	\$18,900.00			
1	MECH	Replace Heating System with Gas Fired CH Heating Units and Ventilation System	\$240,000	\$252,000.00	\$252,000.00			
1	MECH	Upsize Fuel/Energy Systems for Heating System Upgrades	\$27,000	\$28,350.00	\$28,350.00			
3	MECH	Add Ventilation Rooftop for Offices and Toilet Exhaust Systems	\$70,000	\$73,500.00				\$73,500.00
3	PLMB	Replace Domestic Water Piping	\$55,000	\$57,750.00				\$57,750.00
3	PLMB	Replace All Plumbing Fixtures	\$28,000	\$29,400.00				\$29,400.00
2	ELEC	Replace Branch Circuit Wiring	\$20,000	\$21,000.00			\$21,000.00	
5	ELEC	Replace Interior Lighting	\$50,000	\$52,500.00		\$52,500.00		
3	ELEC	Add Fire Alarm (not a code requirement)	\$20,000	\$21,000.00				\$21,000.00
3	ELEC	Add Emergency Lighting at Exit Discharge and Inside Building	\$10,000	\$10,500.00				\$10,500.00
3	ELEC	Replace (2) Obsolete Secondary Electrical Panels	\$10,000	\$10,500.00				\$10,500.00
3	ELEC	Add Smoke Detection System	\$20,000	\$21,000.00				\$21,000.00
4	ELEC	Add Emergency Generator	\$50,000	\$52,500.00				\$52,500.00
10% Construction Contingency				\$131,880.00	\$53,550.00	\$7,350.00	\$22,575.00	\$48,405.00
25% Incidental Budget				\$362,670.00	\$147,262.50	\$20,212.50	\$62,081.25	\$133,113.75
Maintenance Building Project Budget				\$1,813,350.00	\$736,312.50	\$101,062.50	\$310,406.25	\$665,568.75

Rating	Trade	Transportation Facility	Construction Cost as of 2015	Cost plus 5% Escalation	Building Condition Survey (Rating 1)	In House Work (Rating 5)	5 Year Plan (Rating 2)	Long Range Plan (Rating 3-4)
1	SITE	Clean Out Retention Basin of Silt and Debris	\$20,000	\$21,000.00	\$21,000.00			
1	SITE	Repair Pot Holes in Asphalt Drive	\$15,000	\$15,750.00	\$15,750.00			
2	SITE	Replace Damaged Sections on Concrete Gutter	\$15,000	\$15,750.00			\$15,750.00	
1	SITE	Widen Sidewalk on North End Connecting Both Parking Lots for Plow Width	\$8,000	\$8,400.00	\$8,400.00			
1	SITE	Provide Curb Ramp at Walk for East Parking Lot	\$2,000	\$2,100.00	\$2,100.00			
1	SITE	Provide Curb Ramp at Concrete Walk in Bus Parking Area at Gate	\$5,000	\$5,250.00	\$5,250.00			
1	GEN	Address Wash Bay Corrosion	\$9,500	\$9,975.00	\$9,975.00			
1	PLMB	Balance Wash Bay Waste Water (injection system)	\$76,000	\$79,800.00	\$79,800.00			
1	ELEC	Bolt Transformer to Pad	\$1,000	\$1,050.00	\$1,050.00			
3	ELEC	Add Generator for Emergency Command Center	\$200,000	\$210,000.00				\$210,000.00
10% Construction Contingency				\$36,907.50	\$14,332.50	\$0.00	\$1,575.00	\$21,000.00
25% Incidental Budget				\$101,495.63	\$39,414.38	\$0.00	\$4,331.25	\$57,750.00
Transportation Facility Project Budget				\$507,478.13	\$197,071.88	\$0.00	\$21,656.25	\$288,750.00

Marcellus CSD Cost Budget Summary		Total	Building Condition Survey	In House Work	5 Year Plan	Long Range Plan
KC Heffernan Elementary	\$8,586,414.38	\$5,547,176.25	\$718,265.63	\$232,443.75	\$2,088,528.75	
CS Driver Middle School	\$14,620,423.13	\$10,010,385.00	\$130,659.38	\$1,672,728.75	\$2,806,650.00	
Senior High School	\$6,943,643.44	\$2,862,162.19	\$0.00	\$2,627,625.00	\$1,453,856.25	
Kasson Road Elementary	\$6,598,587.19	\$664,846.88	\$0.00	\$2,232,759.38	\$3,700,980.94	
Maintenance Building	\$1,813,350.00	\$736,312.50	\$101,062.50	\$310,406.25	\$665,568.75	
Transportation Facility	\$507,478.13	\$197,071.88	\$0.00	\$21,656.25	\$288,750.00	
Marcellus CSD Cost Budget	\$39,069,896.25	\$20,017,954.69	\$949,987.50	\$7,097,619.38	\$11,004,334.69	

K.C. Heffernan Elementary School

Year Constructed: 1953

Stories: 1

Building Area: 62,850 approximate GSF

Primary Occupancy: E – Education

Grades Housed: K-3



K.C. Heffernan Elementary School is located at 2 Learners Landing, Marcellus, NY 13108. The original building was constructed in 1953, with additions in 1964, 1989 and 2009 to reach the current total square footage. There have also been several improvement projects throughout the years.

The School is a single-story building with bearing walls and steel framing bearing on reinforced concrete foundation walls and footings. The roof structure consists of steel beams and open web joists with concrete and tectum decking. The exterior walls consist of solid masonry with brick exterior finish. Interior partition walls are masonry and plaster. The floors are cast-in-place concrete slab on grade with pipe tunnels. The structural systems are in fair shape, with no visible signs of distress.

The current roof consists of a ballasted built-up membrane, and is currently in good condition.

The following items were identified as having a need for completion over the next five years:

1. Site Items:

- Replace asphalt walk to DMS with concrete and replace curb with granite.
- Clean out storm structure in center median concrete gutter in low spot.
- Provide asphalt walk up to playscape surfacing.
- Replace kindergarten play area on west hillside and provide proper access.
- Repair structure on northwest corner of building in lawn area.
- Replace concrete and brick entrance to north playscape with level entrance.
- Replace damaged gutter across main drive from bus loop.
- Reset main stairs.
- Seal and crack fill asphalt on north end of building.
- Drainage improvements on west side on building at hillside.
- Replace sanitary main from building to main in road.
- Replace brick risers in structures with precast rings (5).
- Replace entry doors and frames (6) pair (1) single.

2. Building Envelope Items:

- Masonry and concrete wall restoration.
- Kitchen, gym and cafeteria roofs.
- Prep and paint wood fascia around perimeter of building.

3. Building Interior Space Items:

- Replace old classroom cabinets and benches.
- Replace concealed spline corridor ceilings.
- Replace concealed spline classroom ceilings.
- Replace entry doors and frames (6) pair (1) single.
- Replace interior doors and hardware (mag holds at classrooms)
- Kitchen renovation.
- Renovate gym.
- Replace hatch door/frame at penthouses (2 @ 4'x5').
- Secure crawl space access in boiler room (2).
- Hazardous material abatement.

4. Mechanical/Plumbing System Items:

- Add A/C to data closets (2).
- Replace original exhaust fans. Replace gymnasium air handling system.
- Clean gym and library ductwork systems.
- Replace original CW, HW, HWR and branch piping. Replace valves (1953 and 1964 wings).
- Replace original classroom WC, SK w/ bubbler.
- Replace water heaters.
- Add strainer before BFP.

5. Electrical/Technology System Items:

- Replace obsolete main distribution panel. Add additional convenience power in classroom.
- Replace lighting with LED. (at ceiling work)
- Replace PA head end.
- Replace old transformer currently inside building to outdoor pad mount.
- Add strobes in classrooms.
- Revise various corridor fixtures to be on emergency power. Replace fluorescent exits, add battery packs, EM lighting at exit.
- Add generator.

PHOTOS OF IDENTIFIED BCS AND FIVE YEAR PLAN ITEMS



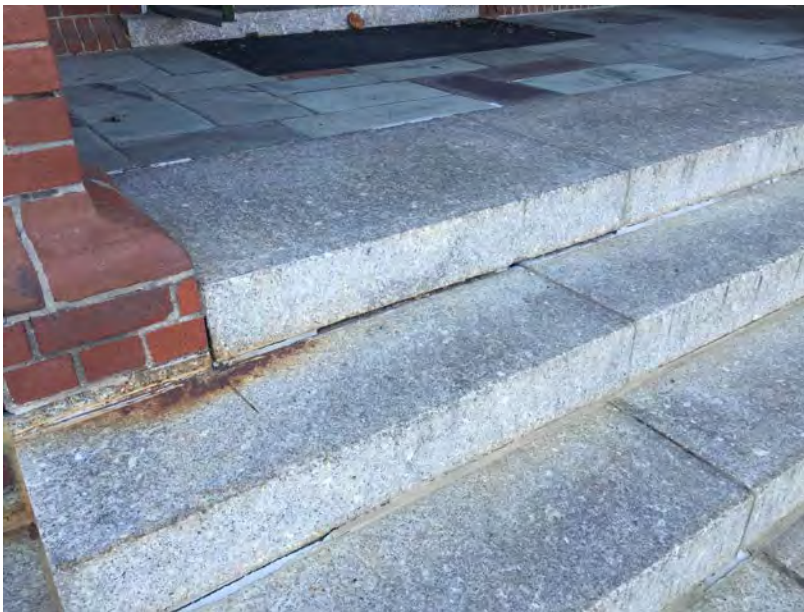
KCH – Masonry restoration, spalled foundation



KCH – Masonry restoration, spalled foundation



KCH – Mortar deterioration



KCH – Granite step caulking



KCH – Paint Wood Fascia



KCH – Older Exterior doors



KCH – Older exterior doors



KCH - Caulking



KCH – Classroom cabinetry



KCH – Classroom cabinetry



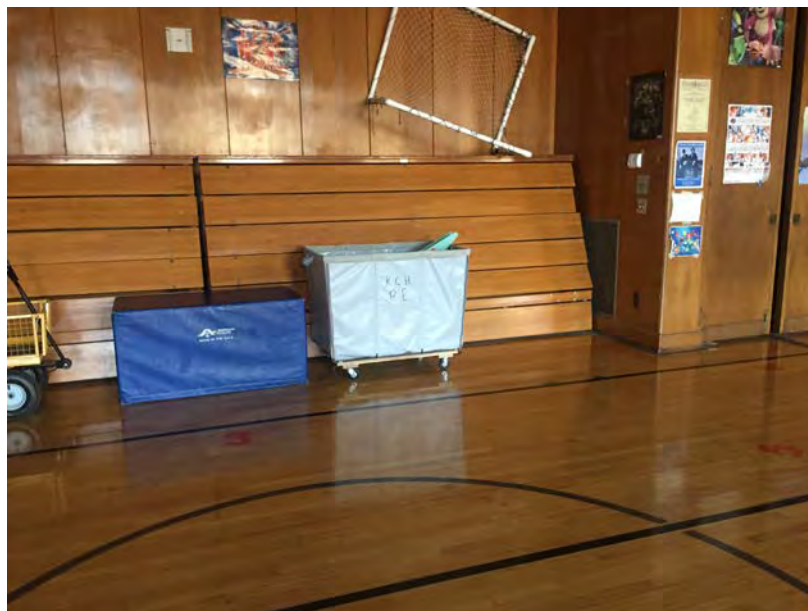
KCH – Classroom benches and bookshelves



KCH – Classroom cabinetry



KCH – Corridor walls



KCH – Gym bleachers, wall panels



KCH – Gym ceiling



KCH – Kitchen



KCH – Kitchen

Building Condition Survey Supplemental Information

Project:	Marcellus CSD - KCH Elementary School		
Architect:	SEI Design Group		
Date of Visit:	05-05-2016	Weather:	Sunny
Participants:	Brittany Belding		

The following photographs were taken by Appel Osborne Landscape Architecture (AOLA) for providing additional information on items identified during the NYS Education Department Building Condition Survey reviews with the Owner and design team. All photographs are keyed into an overall site plan and line item budgets, both of which are provided by AOLA.



Photograph Number: 1
Budget Line Item Number: \$55,000 (54)

Item Description:

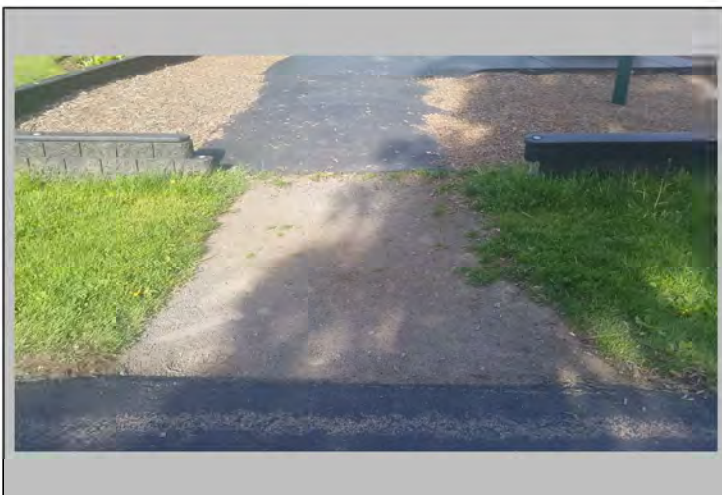
Replace asphalt walk to Driver MS with concrete and replace concrete curb with granite (3,000 sf, 175 lf)



Photograph Number: 2
Budget Line Item Number: \$1,200 (44)

Item Description:

Clean out storm structure in center median concrete gutter in low spot



Photograph Number: 3
Budget Line Item Number: \$2,100

Item Description:

Provide asphalt walk up to playscape surfacing (35 sf)

Building Condition Survey Supplemental Information

Project:	Marcellus CSD - KCH Elementary School		
Architect:	SEI Design Group		
Date of Visit:	05-05-2016	Weather:	Sunny
Participants:	Brittany Belding		

The following photographs were taken by Appel Osborne Landscape Architecture (AOLA) for providing additional information on items identified during the NYS Education Department Building Condition Survey reviews with the Owner and design team. All photographs are keyed into an overall site plan and line item budgets, both of which are provided by AOLA.



Photograph Number: 4
Budget Line Item Number: \$400,000 (55)

Item Description:

Replace kindergarten play area on west hillside and provide proper access



Photograph Number: 5
Budget Line Item Number: \$3,500 (44)

Item Description:

Repair structure on northwest corner of building in lawn area



Photograph Number: 6
Budget Line Item Number: \$5,000 (54)

Item Description:

Replace concrete and brick entrance to north playscape with level entrance (200 sf)

Building Condition Survey Supplemental Information

Project:	Marcellus CSD - KCH Elementary School		
Architect:	SEI Design Group		
Date of Visit:	05-05-2016	Weather:	Sunny
Participants:	Brittany Belding		

The following photographs were taken by Appel Osborne Landscape Architecture (AOLA) for providing additional information on items identified during the NYS Education Department Building Condition Survey reviews with the Owner and design team. All photographs are keyed into an overall site plan and line item budgets, both of which are provided by AOLA.



Photograph Number: 7
Budget Line Item Number: \$15,000 (53)

Item Description:

Replace damaged gutter across main drive from bus loop (195 lf)



Photograph Number: 8
Budget Line Item Number: \$50,000 (65)

Item Description:

Reset main stairs



Photograph Number: 9
Budget Line Item Number: \$11,000 (53)

Item Description:

Seal and crack fill asphalt on north end of building (12,000 sf)

Building Condition Survey Supplemental Information

Project:	Marcellus CSD - KCH Elementary School		
Architect:	SEI Design Group		
Date of Visit:	05-05-2016	Weather:	Sunny
Participants:	Brittany Belding		

The following photographs were taken by Appel Osborne Landscape Architecture (AOLA) for providing additional information on items identified during the NYS Education Department Building Condition Survey reviews with the Owner and design team. All photographs are keyed into an overall site plan and line item budgets, both of which are provided by AOLA.



Photograph Number: 10
Budget Line Item Number: \$150,000 (43)

Item Description:

Drainage improvements on west side of building at hillside

Photograph Number: 11
Budget Line Item Number: \$40,000 (38)

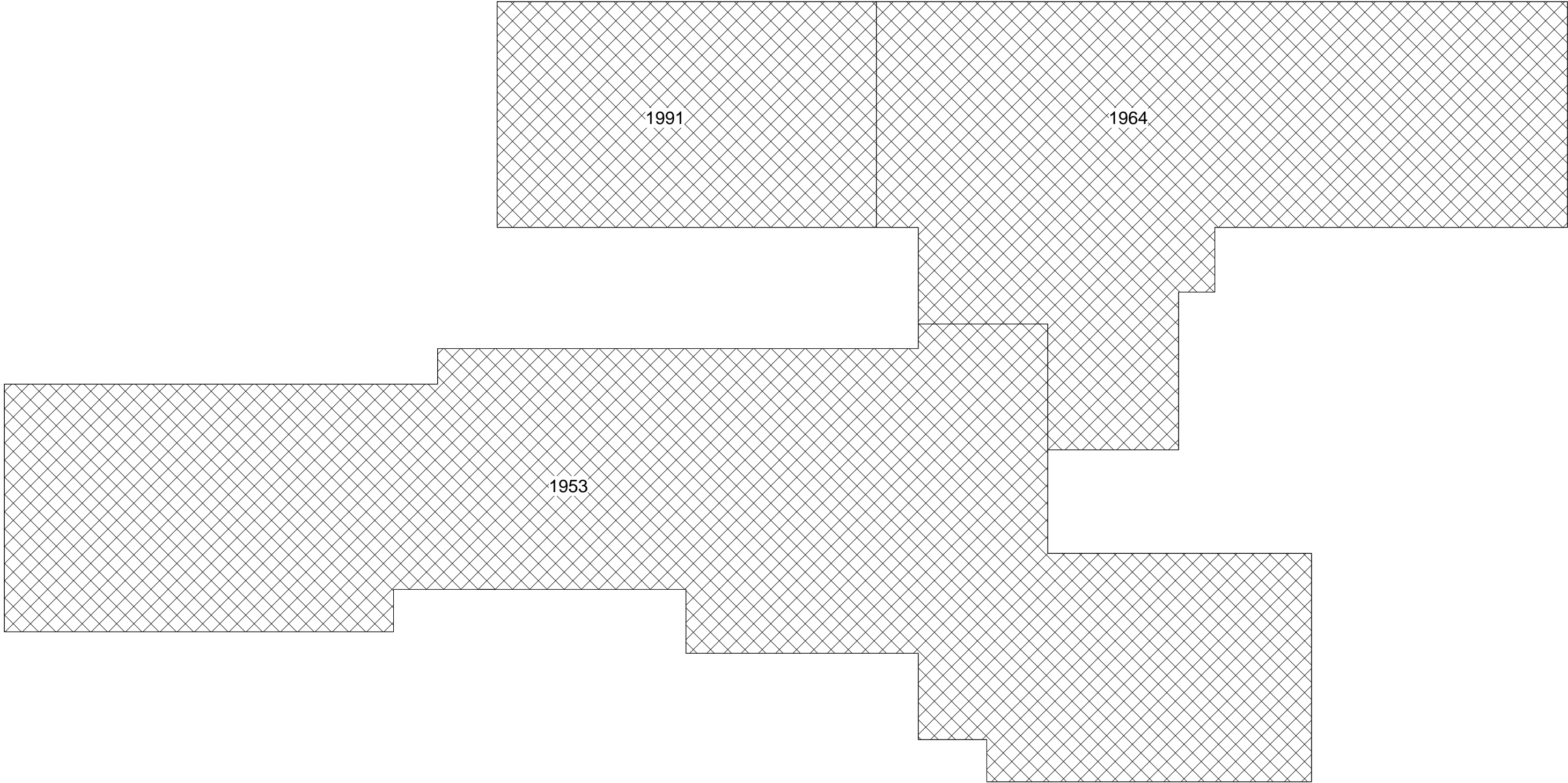
Item Description:

Replace sanitary main from building to main in road (350 lf)

Photograph Number: 12
Budget Line Item Number: \$13,000 (44)

Item Description:

Replace brick risers in structures with precast rings (5 structures)



① **OVERALL LEGACY PLAN**
1/32" = 1'-0"

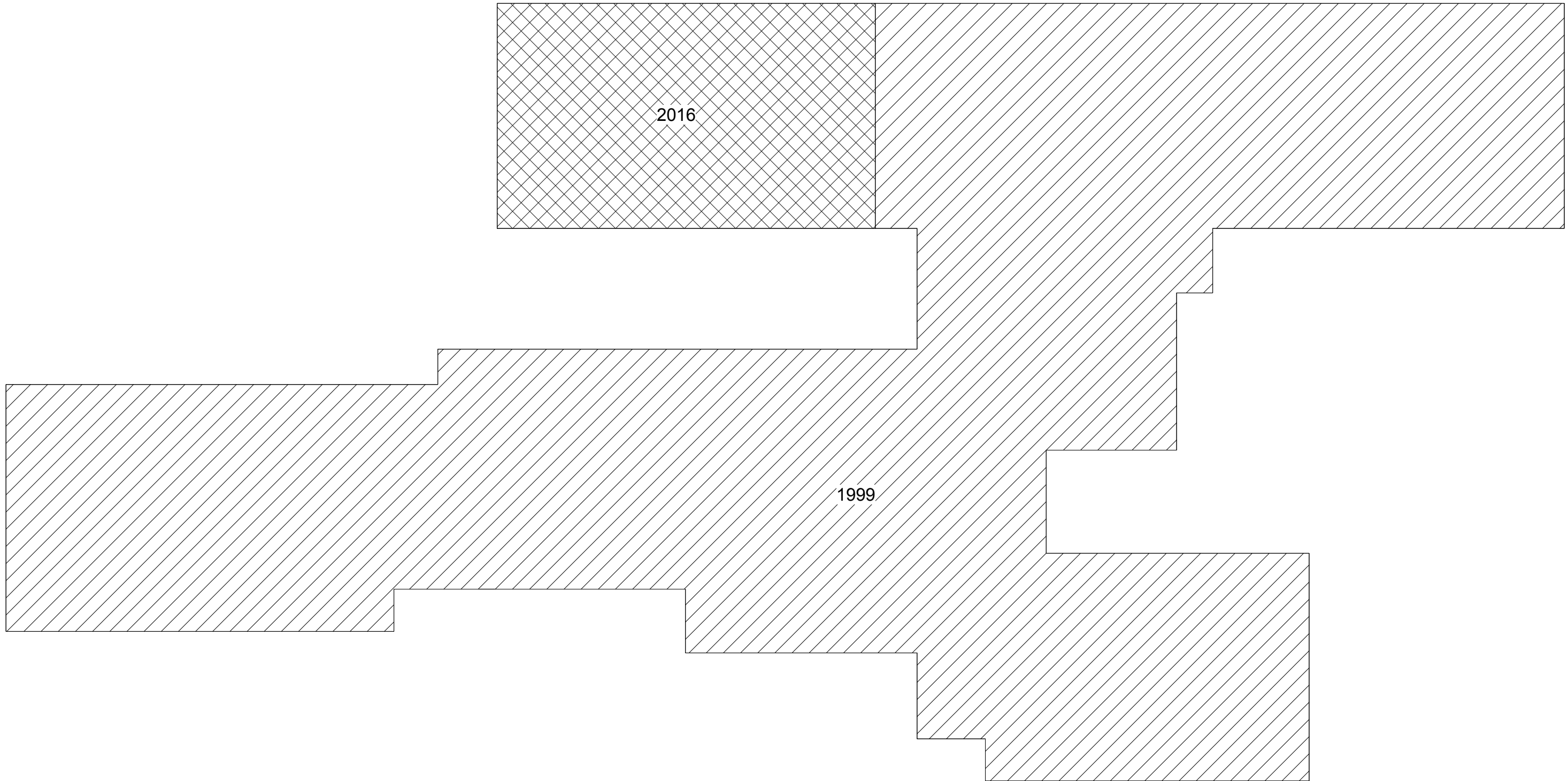


MARCELLUS CENTRAL SCHOOL DISTRICT
K.C. HEFFERNAN ELEMENTARY

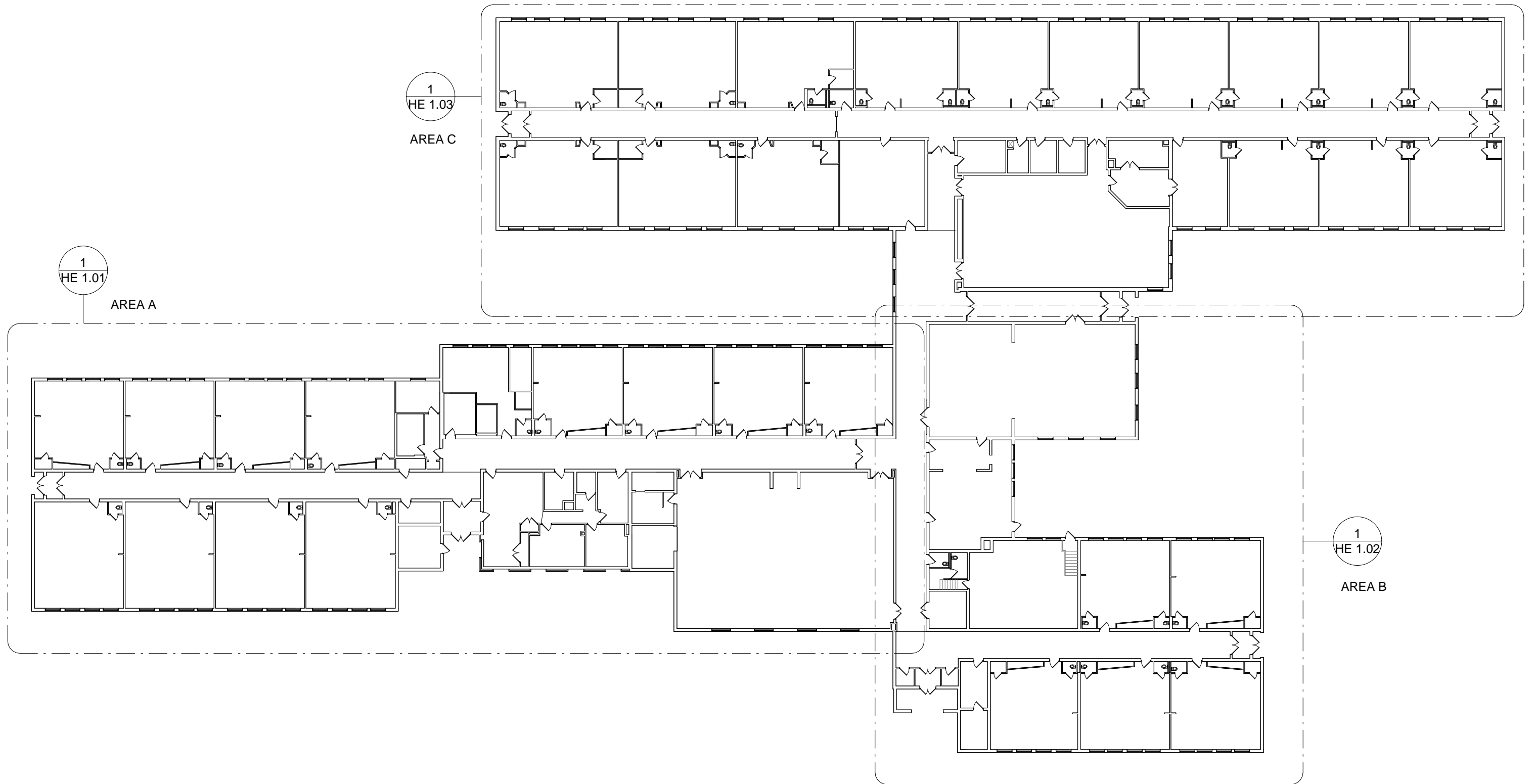
OVERALL LEGACY PLAN

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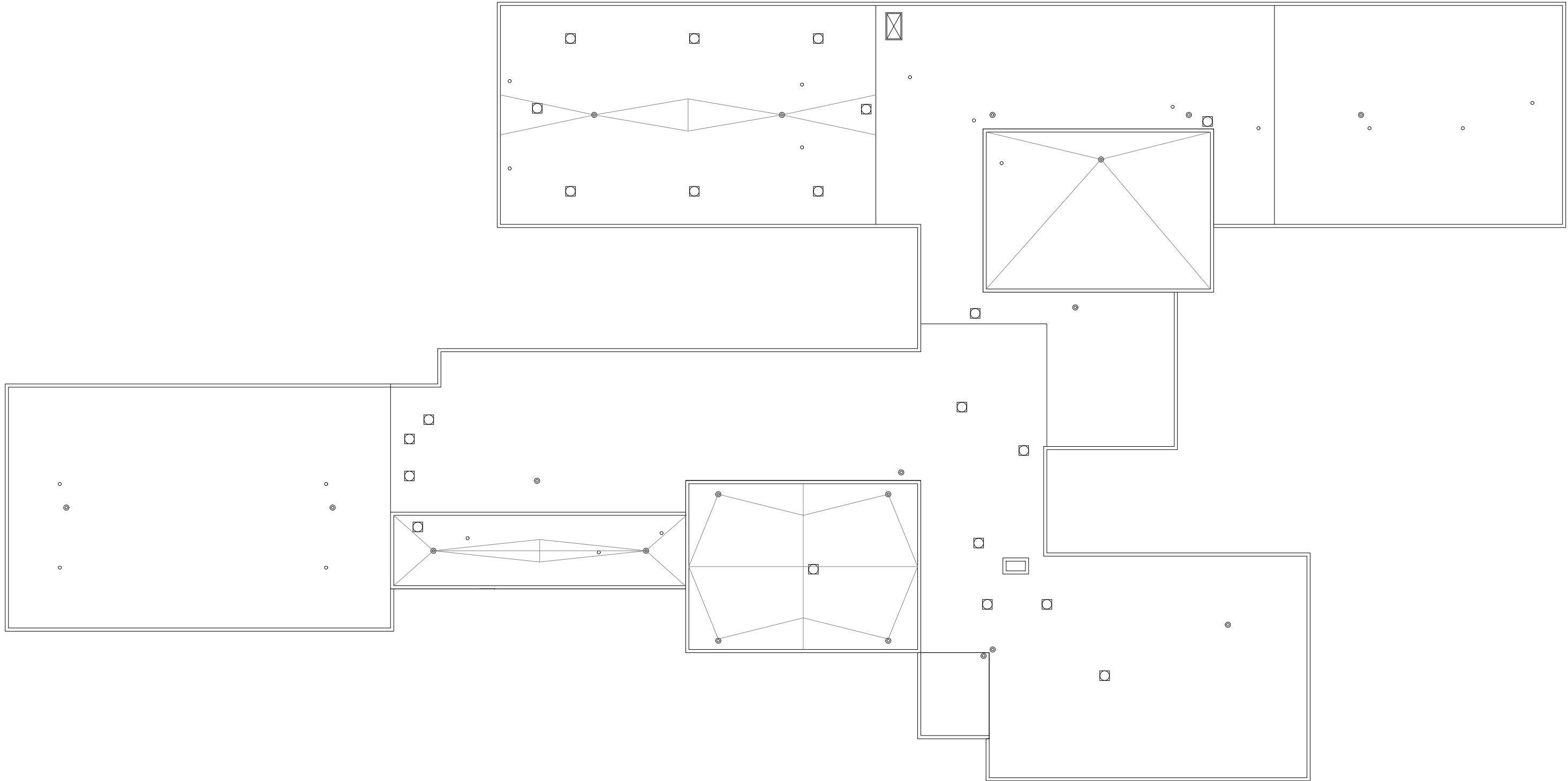
Scale 1/32" = 1'-0"



① OVERALL ROOF LEGACY PLAN
1/32" = 1'-0"



① OVERALL FIRST FLOOR PLAN
1/32" = 1'-0"



1 OVERALL ROOF PLAN
1/32" = 1'-0"

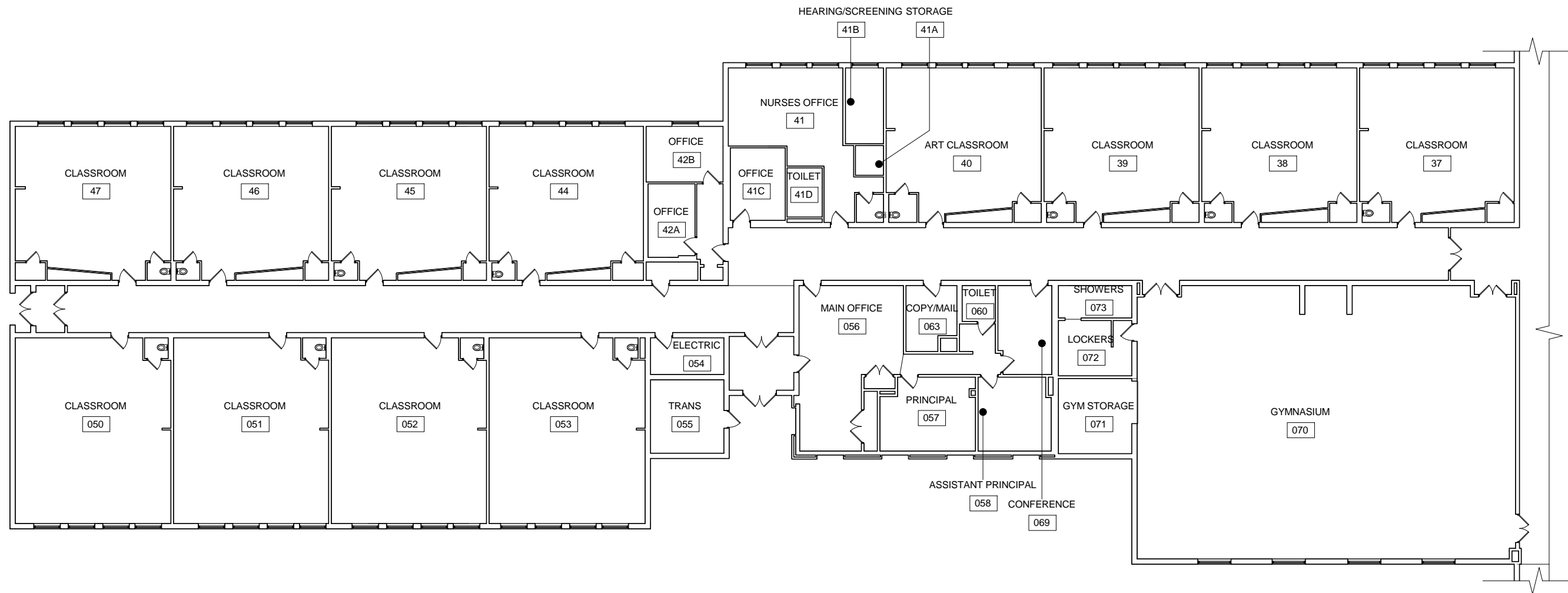


MARCELLUS CENTRAL SCHOOL DISTRICT
K.C. HEFFERNAN ELEMENTARY

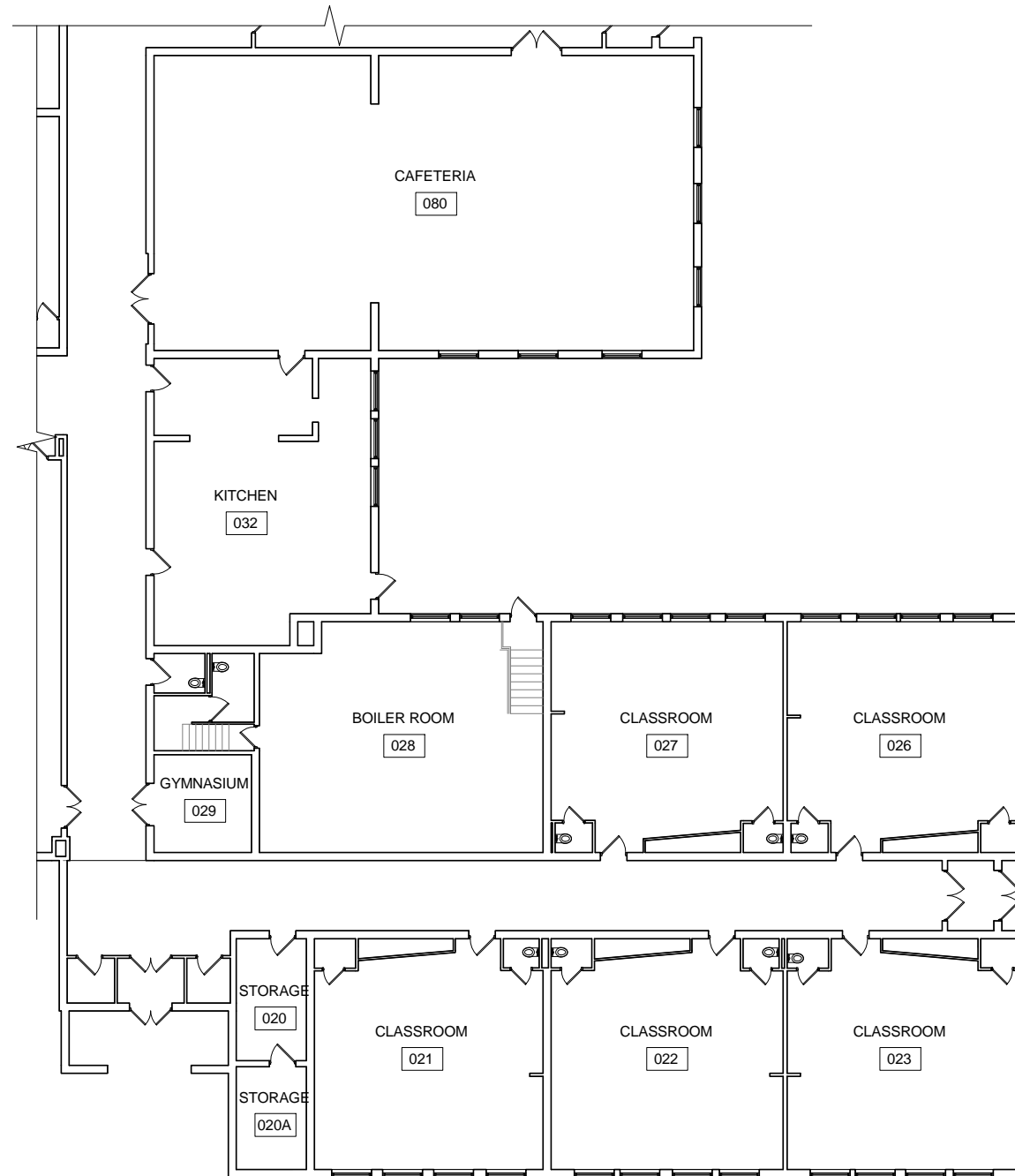
OVERALL ROOF PLAN

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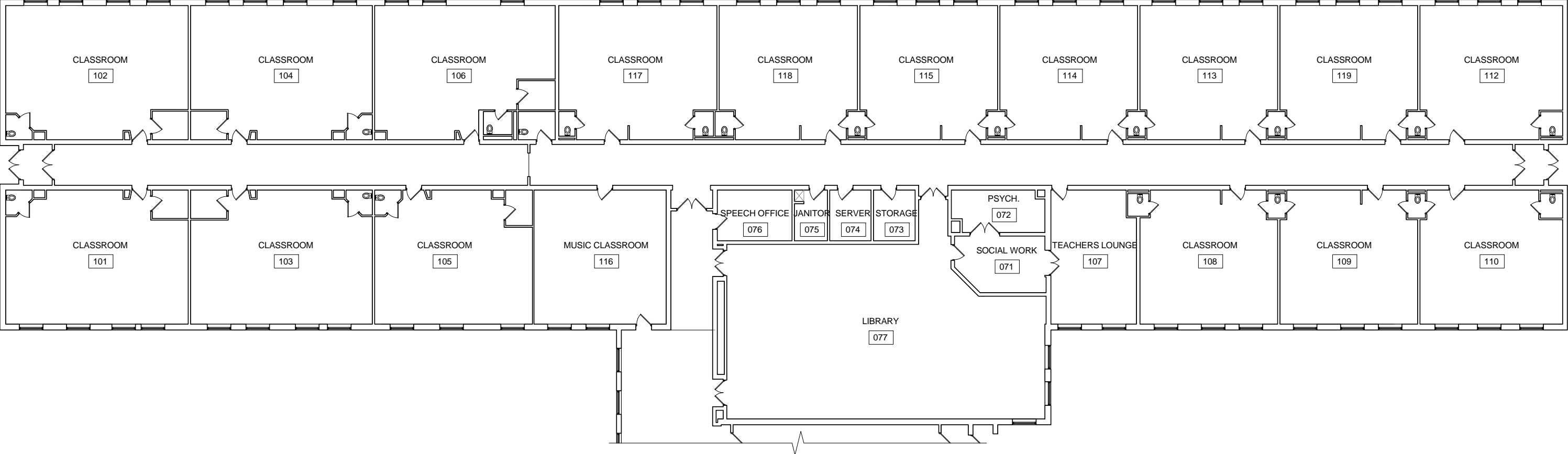
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1 FIRST FLOOR - AREA A
3/64" = 1'-0"



1 FIRST FLOOR - AREA B
3/64" = 1'-0"



1 FIRST FLOOR - AREA C
3/64" = 1'-0"



MARCELLUS CENTRAL SCHOOL DISTRICT
K.C. HEFFERNAN ELEMENTARY

FIRST FLOOR - AREA C

HE 1.03
Scale 3/64" = 1'-0"

2015 Building Condition Survey Instrument - 2015 Building Conditions SurveyBuilding Information

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Building Information**1. Name of School District:**

MARCELLUS CSD

2. SED District 8-Digit BEDS Code:

421101060000

3. Building Name:

K.C.H. Elementary School

4. SED 4-Digit Facility Code:

0002

5. Survey Inspection Date:

11/03/2015

6. Building 911 Address:

2 Learners Landing

7. City:

Marcellus

8. Zip Code:

13108

9. Certificate of Occupancy Status:

- ☒ A - Annual
☐ T - Temporary
☐ N - None

10. Certificate of Occupancy Expiration Date:

03/01/2017

Building Age, Gross Square Footage and Maintenance Staff**11. Year of Original Building:**

1954

12. Gross square ft. of Building as currently configured:

62,850

13. Number of Floors:

1

14. How many full-time and part-time custodians are employed at the school (or work in the building)?

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Building Information

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	Count Employees
Full-time custodians:	3
Part-time custodians:	0
Totals:	3.00

Building Ownership and Occupancy Status**15. Building Ownership (check one):**

- ☒ Owned and used by district
☐ Owned by District and leased to non-district entity
☐ Owned by District, part used by district, part leased to non-district entity
☐ Owned by non-district entity and leased to district

16. For which of the following purposes is the building currently used? (check all that apply)

- ☒ Used for student instructional purposes
☐ Used for district administration
☐ Used for other district purposes
☐ Used by other organization(s)

Building Users

17. How many students were registered to receive instruction in this building as of October 1, 2014? (If none, enter "0") and skip to "Program Spaces" section. (Do not include evening class students)

456

18. Of these registered students, how many receive most of their instruction in:

	Quantity
18a. Permanent instructional spaces (i.e., regular classrooms)	456
18b. Temporary instructional spaces (i.e., portable or demountable classrooms) attached to the building	0
18c. Non-instructional spaces used as instructional spaces	0

18c.1 If the answer is greater than zero, which types of non-instructional spaces were being used for instructional purposes on October 1, 2014? (check all that apply)

- ☐ Cafeteria
☐ Gymnasium
☐ Administrative Spaces
☐ Library
☐ Lobby
☐ Stairwell
☐ Storage space
☐ Other (please describe)
☒ None

19. Grades Housed:

K-3

2015 Building Condition Survey Instrument - 2015 Building Conditions SurveyBuilding Information

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20. For how many instructional days during the 2013-14 school year (July 1 through June 30, was the building closed due to facilities failures, system malfunctions, structural problems, fire, etc? (if none, enter "0")

0

21. Is the building used for instructional purposes in the summer?

☒ Yes☐ No

22. Have there been renovations or construction in the building during the past 12 months?

☒ Yes☐ No

23. Was major construction/renovation work since 2010 conducted when school was in session?

☐ Yes☒ No

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Program Spaces

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Program Spaces**24. Number of instructional classrooms:**

37

25. Gross square footage of all instructional classrooms (combined):

28,225.00

26. Other spaces provided: (check all that apply)

- | | | |
|---|--|---|
| <input type="checkbox"/> a. N/A (none) | <input checked="" type="checkbox"/> j. Health Office | <input checked="" type="checkbox"/> s. Resource Rooms |
| <input checked="" type="checkbox"/> b. Administration | <input type="checkbox"/> k. Home & Careers | <input type="checkbox"/> t. Science Labs |
| <input checked="" type="checkbox"/> c. Art | <input checked="" type="checkbox"/> l. Kitchen | <input type="checkbox"/> u. Special Education |
| <input type="checkbox"/> d. Audio Visual | <input type="checkbox"/> m. Large Group Instruction | <input type="checkbox"/> v. Swimming Pool |
| <input type="checkbox"/> e. Auditorium | <input checked="" type="checkbox"/> n. Library | <input checked="" type="checkbox"/> w. Teacher Resource |
| <input checked="" type="checkbox"/> f. Cafeteria | <input type="checkbox"/> o. Multipurpose Rooms | <input type="checkbox"/> x. Technology/Shop |
| <input type="checkbox"/> g. Computer Room | <input checked="" type="checkbox"/> p. Music | <input type="checkbox"/> y. Other (please describe) |
| <input checked="" type="checkbox"/> h. Guidance | <input type="checkbox"/> q. Pre-K | |
| <input checked="" type="checkbox"/> i. Gymnasium | <input type="checkbox"/> r. Remedial Rooms | |

26y. Describe other spaces

(No Response)

Space Adequacy**27. Rating of space adequacy:**

- ☒ Good
☐ Fair
☐ Poor

27a. Enter comments:

(No Response)

28. Estimated capital construction expenses anticipated for this building through 2020-2021 school year excluding maintenance (to be answered after the building inspection is complete) \$

1,800,000.00

29. Overall building rating (to be answered after the building inspection is complete)

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Poor

30. Was overall building rating established after consultation with health and safety committee?

- ☒ Yes
☐ No

A/E Information:**31. A/E Firm Name:**

SEI Design Group Architects, DPC

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Program Spaces

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32. A/E Firm Address:

187 Wolf Road
Suite 304
Albany, NY 12205

33. A/E Firm Phone Number:

5184352467

34. E-mail:

msm@seidesigngroup.com

35. A/E Name:

Matthew S. Monaghan

36. A/E License #:

029199

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Site Utilities

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Site Utilities**37. Water**

- ☒ Yes
☐ No

37a. Type of Service:

- ☒ Municipal or Utility provided
☐ Well
☐ Other

37b. Condition:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

37c. Year of Last Major Reconstruction/Replacement:

1990

37d. Expected Remaining Useful Life (Years):

15

37e. Cost to Reconstruct/Replace \$:

(No Response)

37f. Comments:

(No Response)

38. Site Sanitary (H)

- ☒ Yes
☐ No

38a. Type of Service:

- ☒ Municipal or utility sewer
☐ Site septic
☐ Other

38b. Condition:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

38c. Year of Last Major Reconstruction/Replacement:

1990

38d. Expected Remaining Useful Life (Years):

5

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Site Utilities

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38e. Cost to reconstruct/Replace \$:

40,000.00

38f. Comments:

Replace brick risers.

39. Site Gas (H)

☒ Yes☐ No

39a. Type of gas service:

☒ Natural Gas☐ Liquid Petroleum

39b. Condition:

☐ Excellent☒ Satisfactory☐ Unsatisfactory☐ Non-Functioning☐ Critical Failure

39c. Year of Last Major Reconstruction/Replacement;

1990

39d. Expected Remaining Useful Life (Years):

15

39e. Cost to Reconstruct/Replace \$:

(No Response)

39f. Comments:

(No Response)

40. Site Fuel Oil (H)

☐ Yes☒ No

41. Site Electrical, Including Exterior Distribution (H)

☒ Yes☐ No

41a. Service Provider:

☒ Municipal or utility provided☐ Self-Generated☐ Other☐ N/A

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Site Utilities

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41b. Type of Service:

- ☐ Above Ground
☒ Below Ground
☐ N/A

41c. Condition:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

41d. Year of Last Major Reconstruction/Replacement:

1940

41e. Expected Remaining Useful Life (Years):

0

41f. Cost to Reconstruct/Replace \$:

95,000.00

41g. Comments:

Replace old transformer currently inside building to outdoor pad mount.

Stormwater Management**42. Closed Drainage Pipe Stormwater Management System****42a. Does this facility have a closed pipe system?**

- ☒ Yes
☐ No

42b. Condition:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

42c. Year of Last Major Reconstruction/Replacement:

1954

42d. Expected Remaining Useful Life (Years):

5

42e. Cost to Reconstruct/Replace \$:

(No Response)

42f. Comments:

(No Response)

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Site Utilities

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43. Open Drainage Pipe Stormwater Management System

43a. Does this facility have an open stormwater system (ditch)?

- ☒ Yes
☐ No

43b. Condition:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

43c. Year of Last Major Reconstruction/Replacement:

1954

43d. Expected Remaining Useful Life (Years):

5

43e. Cost to Reconstruct/Replace \$:

150,000.00

43f. Comments:

Drainage improvements on west side.

44. Catch Basins/Drop Inlets/Manholes

44a. Does this facility have catch basins/drop inlets/manholes?

- ☒ Yes
☐ No

44b. Condition:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

44c. Year of Last Major Reconstruction/Replacement:

1954

44d. Expected Remaining Useful Life (Years):

5

44e. Cost to Reconstruct/Replace \$:

135,700.00

44f. Comments:

Clean out structure in center median, replace structure on NW corner.

2015 Building Condition Survey Instrument - 2015 Building Conditions SurveySite Utilities

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45. Culverts**45a. Does this facility have culverts?**

- ☐ Yes
☒ No

46. Outfalls**46a. Does this facility have outfalls?**

- ☐ Yes
☒ No

47. Infiltration Basins/Chambers**47a. Does this facility have infiltration basins/chambers?**

- ☐ Yes
☒ No

48. Retention Basins**48a. Does this facility have retention basins?**

- ☐ Yes
☒ No

49. Wetponds**49a. Does this facility have wetponds?**

- ☐ Yes
☒ No

50. Manufactured Stormwater Proprietary Units**50a. Does this facility have proprietary units?**

- ☐ Yes
☒ No

51. Point of Outfall Discharge: (check all that apply)

- ☐ Municipal storm sewer system
☐ Combined sewer system
☒ Surface Water
☐ On-site recharge
☐ Other (describe)
☐ Not Applicable

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Site Utilities

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52. Outfall Reconnaissance Inventory

Were all stormwater outfalls inspected during dry weather for signs of non-stormwater discharge?

- ☒ Yes
- ☐ No
- ☐ Not Applicable

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Other Site Features

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Other Site Features**53. Pavement (Roadways and Parking Lots)**

- ☒ Yes
☐ No

53a. Type: (check all that apply)

- ☒ Concrete
☒ Asphalt
☐ Gravel
☐ Other
☐ None

53b. Condition:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

53c. Year of Last Major Reconstruction/Replacement:

2009

53d. Expected Remaining Useful Life (Years):

10

53e. Cost to Reconstruct/Replace \$:

125,000.00

53f. Comments:

Replace damaged gutter, seal and crack fill asphalt on north end.

54. Sidewalks

- ☒ Yes
☐ No

54a. Type: (check all that apply)

- ☒ Concrete
☒ Asphalt
☐ Paver
☐ Other

54b. Condition:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

54c. Year of Last Major Reconstruction/Replacement:

2010

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Other Site Features

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54d. Expected Remaining Useful Life (Years):

5

54e. Cost to Reconstruct/Replace \$:

62,100.00

54f. Comments:

Replace asphalt walks and walks up to playscapes for access.

55. Playgrounds and Playground Equipment☒ Yes☐ No**55a. Condition:**☐ Excellent☒ Satisfactory☐ Unsatisfactory☐ Non-Functioning☐ Critical Failure**55b. Year of Last Major Reconstruction/Replacement:**

2015

55c. Expected Remaining Useful Life (Years):

15

55d. Cost to Reconstruct/Replace \$:

400,000.00

55e. Comments:

(No Response)

56. Athletic Fields and Play Fields☒ Yes☐ No**56a. Condition:**☐ Excellent☒ Satisfactory☐ Unsatisfactory☐ Non-Functioning☐ Critical Failure**56b. Year of Last Major Reconstruction/Replacement:**

2006

56c. Expected Remaining Useful Life (Years):

25

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Other Site Features

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56d. Cost to Reconstruct/Replace \$:

(No Response)

56e. Comments:

(No Response)

56f. Does the facility have synthetic turf field(s)☐ Yes☒ No**56f.1 If Yes, how many synthetic turf fields?**

(No Response)

56f.2 Expected Remaining Useful Life of Synthetic Turf Field(s):

(No Response)

56f.3 Type of synthetic turf field infill:

(No Response)

57. Exterior Bleachers / Stadiums☐ Yes☒ No**58. Related Structures (such as Press Boxes, Dugouts, Climbing Walls, etc.)**☐ Yes☒ No

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Substructure

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Substructure**59. Foundation (S)****59a. Type (check all that apply):**

- ☒ Reinforced Concrete
- ☐ Masonry on Concrete Footing
- ☐ Other

59b. Evidence of structural concerns (check all that apply):

- ☒ Structural Cracks
- ☐ Heaving/Jacking
- ☒ Decay/Corrosion
- ☐ Water Penetration
- ☐ Unsupported Ends
- ☐ Other
- ☐ None

59c. Condition:

- ☐ Excellent
- ☒ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

59d. Year of Last Major Reconstruction/Replacement:

2009

59e. Expected Remaining Useful Life (Years):

10

59f. Cost to Reconstruct/Replace \$:

50,000.00

59g. Comments:

Foundation walls have spalling at steel reinforcement.

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BUILDING ENVELOPE**60. Structural Floors (S)****60a. Type (check all that apply):**

- ☒ Reinforced Concrete Slab on Grade
- ☐ Concrete/Metal Deck/Metal Joists
- ☐ Precast Concrete Structural System
- ☐ Wood Deck on Wood Trusses
- ☐ Wood Deck on Wood Joists
- ☐ Concrete Deck on Wood Structure
- ☐ Other (specify)

60b. Evidence of Structural Concerns with Floor Support System (Beams/Joists/Trusses, etc.) (check all that apply):

- ☐ Structural Cracks
- ☐ Unsupported Ends
- ☐ Rot/Decay/Corrosion
- ☐ Deflection
- ☐ Seriously Damaged/Missing Components
- ☐ Other Problems
- ☒ None

60b.1 Describe Other Problems:

(No Response)

60c. Evidence of Structural Concerns with Structural Floor Deck (check all that apply):

- ☐ Cracks
- ☐ Deflection
- ☐ Rot/Decay/Corrosion
- ☒ None

60d. Overall Condition of Structural Floors:

- ☐ Excellent
- ☒ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

60e. Year of Last Major Reconstruction/Replacement:

2009

60f. Expected Remaining Useful Life (Years):

10

60g. Cost to Reconstruct/Replace \$:

(No Response)

60h. Comments:

(No Response)

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Building Envelope

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61. Exterior Walls/Columns (S)**61a. Material (check all that apply):**

- ☐ Concrete
- ☒ Masonry
- ☐ Steel
- ☐ Wood
- ☐ Other (specify)

61b. Evidence of Structural Concerns with Support System (columns, base plates, connections, etc.) (check all that apply):

- ☐ Structural Cracks
- ☐ Rot/Decay/Corrosion
- ☐ Other Problems
- ☒ None

61b.1 Describe Other Problems:

(No Response)

61c. Evidence of Concerns with Exterior Cladding (check all that apply):

- ☐ Cracks/Gaps
- ☐ Inadequate Flashing
- ☐ Efflorescence
- ☐ Moisture Penetration
- ☐ Rot/Decay/Corrosion
- ☐ Other Problems
- ☒ None

61c.1 Describe Other Problems:

(No Response)

61d. Overall Condition of Exterior Walls/Columns:

- ☐ Excellent
- ☒ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

61e. Year of Last Major Reconstruction/Replacement:

2009

61f. Expected Remaining Useful Life (Years):

5

61g. Cost to Reconstruct/Replace \$:

(No Response)

61h. Comments:

(No Response)

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62. Chimneys (S)

- ☒ Yes
☐ No

62a. Material (check all that apply):

- ☒ Masonry
☐ Concrete
☐ Metal
☐ Wood
☐ Other

62a.1 Specify other:

(No Response)

62b. Overall Condition of Chimneys:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical failure

62c. Year of Last Major Reconstruction/Replacement:

1940

62.d Expected Remaining Useful Life (Years):

10

62e. Cost to Reconstruct/Replace \$:

(No Response)

62f. Comments:

(No Response)

63. Parapets (S)

- ☒ Yes
☐ No

63a. Construction Type (check all that apply):

- ☒ Masonry
☐ Concrete
☐ Metal
☐ Wood
☐ Other (specify)

63a.1 Specify Other:

(No Response)

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63b. Overall condition of parapets:

- ☐ Excellent
- ☒ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

63c. Year of Last Major Reconstruction/Replacement:

1940

63d. Expected Remaining Useful Life (Years):

2

63e. Cost to Reconstruct/Replace \$:

17,000.00

63f. Comments:

Prep and paint wood fascia.

64. Exterior Doors

64a. Overall Condition of Exterior Door Units:

- ☐ Excellent
- ☒ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

64b. Overall condition of exterior door hardware:

- ☐ Excellent
- ☒ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

64c. Do any exterior doors have magnetic locking devices?

- ☐ Yes
- ☒ No

64d. Safety/Security features are adequate?

- ☒ Yes
- ☐ No

64e. Year of Last Major Reconstruction/Replacement:

2002

64f. Expected Remaining Useful Life (Years):

2

64g. Cost to Reconstruct/Replace \$:

94,000.00

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64h. Comments:

Replace older exterior doors and penthouse doors.

65. Exterior Steps, Stairs, Ramps (S)

- ☒ Yes
☐ No

65a. Overall Condition of Exterior Steps, Stairs and Ramps

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

65b. Year of Last Major Reconstruction/Replacement:

2010

65c. Expected Remaining Useful Life (Years):

0

65d. Cost to Reconstruct/Replace \$:

50,000.00

65e. Comments:

Reset main stairs.

66. Fire Escapes (S)**66a. Does This Facility Have One or More Fire Escapes?**

- ☐ Yes
☒ No

67. Windows

- ☒ Yes
☐ No

67a. Window Material: (check all that apply)

- ☒ Aluminum
☐ Steel
☐ Vinyl
☐ Solid Wood
☐ Wood w/ External Cladding System
☐ Other

67b. Overall Condition of Windows:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

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67c. All Rescue Windows are Operable:

- ☒ Yes
☐ No
☐ N/A

67d. Year of Last Major Reconstruction/Replacement:

2009

67e. Expected Remaining Useful Life (Years):

10

67f. Cost to Reconstruct/Replace \$:

(No Response)

67g. Comments:

(No Response)

Roof and Skylights (S)**68. Roof and Skylights (S)**

- ☒ Yes
☐ No

68a. Type of roof construction (check all that apply):

- ☐ Metal deck on metal trusses/joists
☐ Wood deck on wood trusses/joists
☒ Wood deck on metal trusses/joists
☒ Concrete on metal deck on metal trusses/joists
☐ Other (describe below)

68a.1 Other roof construction type:

(No Response)

68b. Type of roofing material (check all that apply):

- ☐ Single-ply membrane
☒ Built-up
☐ Asphalt shingle
☐ Pre-formed metal
☐ IRMA
☐ Slate
☐ Other (describe below)

68b.1 Other roofing material:

(No Response)

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68c. Evidence of structural concerns with roof support system (beams/joists/trusses, etc.) (check all that apply):

- ☐ Structural cracks
- ☐ Unsupported ends
- ☐ Rot/Decay/Corrosion
- ☐ Deflection
- ☐ Seriously damaged/missing components
- ☐ Other concerns (describe)
- ☒ None

68c.1 Describe other concerns:

(No Response)

68d. Evidence of structural concerns with roof deck (check all that apply):

- ☐ Cracks
- ☐ Deflection
- ☐ Rot/Decay/Corrosion
- ☒ None

68e. Does this facility have skylights?

- ☐ Yes
- ☒ No

68f. Skylight material (check all that apply):

- ☐ Plastic
- ☐ Glass
- ☐ Other
- ☒ N/A

68g. Overall condition of skylights:

- ☐ Excellent
- ☐ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

68h. Evidence of concerns with roofing, skylights, flashings, and drains (check all that apply):

- ☐ Failures/Splits/Cracks
- ☐ Rot/Decay/Corrosion
- ☐ Inadequate flashing/curbs/pitch pockets
- ☐ Inadequate or poorly functioning roof drains
- ☐ Evidence of water penetration/active leaks
- ☐ Other (specify)
- ☒ None

68h.1 Specify other concerns:

(No Response)

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68i. Overall Condition of Roof and Skylights:

- ☐ Excellent
- ☒ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

68j. Year of Last Major Reconstruction/Replacement:

2009

68k. Expected Remaining Useful Life (Years):

10

68l. Cost to Reconstruct/Replace \$:

150,000.00

68m. Comments:

Roof replacement in 2016 project.

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Interior Spaces

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INTERIOR SPACES**69. Interior Bearing Walls and Fire Walls (S)**

- ☒ Yes
☐ No

69a. Overall condition of interior bearing walls and fire walls:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-functioning
☐ Critical Failure

69b. Year of Last Major Reconstruction/Replacement:

2009

69c. Expected Remaining Useful Life (Years):

10

69d. Cost to Reconstruct/Replace \$:

(No Response)

69e. Comments:

(No Response)

Other Interior Walls**70. Other Interior Walls**

- ☒ Yes
☐ No

70a. Overall condition of other interior walls:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

70b. Year of Last Major Reconstruction/Replacement:

2009

70c. Expected Remaining Useful Life (Years):

10

70d. Cost to Reconstruct/Replace \$:

(No Response)

70e. Comments:

(No Response)

Floor Finishes

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Interior Spaces

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71. Carpet

- ☒ Yes
☐ No

71a. Where located (check all that apply):

- ☐ Instructional Space
☒ Common Area

71b. Condition:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

71c. Year of Last Major Reconstruction/Replacement:

2009

71d. Expected Remaining Useful Life (Years):

10

71e. Cost to Reconstruct/Replace \$:

(No Response)

71f. Comments:

(No Response)

72. Resilient Tiles or Sheet Flooring

- ☒ Yes
☐ No

72a. Where located (check all that apply):

- ☒ Instructional Space
☐ Common Area

72b. Overall condition of resilient tiles or sheet flooring:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

72c. Year of Last Major Reconstruction/Replacement:

2005

72d. Expected Remaining Useful Life (Years):

15

72e. Cost to Reconstruct/Replace \$:

357,000.00

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Interior Spaces

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72f. Comments:

Replace older classroom flooring.

73. Hard Flooring (concrete; ceramic tile; stone; etc)

- ☒ Yes
☐ No

73a. Where located (check all that apply):

- ☐ Instructional Space
☒ Common Area

73b. Overall condition of hard flooring:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

73c. Year of Last Major Reconstruction/Replacement:

2009

73d. Expected Remaining Useful Life (Years):

10

73e. Cost to Reconstruct/Replace \$:

(No Response)

73f. Comments:

(No Response)

74. Wood Flooring

- ☒ Yes
☐ No

74a. Where located (check all that apply):

- ☐ Instructional Space
☒ Common Area

74b. Overall condition of wood flooring:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

74c. Year of Last Major Reconstruction/Replacement:

2005

74d. Expected Remaining Useful Life (Years):

15

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Interior Spaces

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74e. Cost to Reconstruct/Replace \$:

2,200.00

74f. Comments:

Refinish gym floor.

Ceilings (H)

75. Ceilings (H)

☒ Yes☐ No

75a. Overall condition of ceilings:

☐ Excellent☒ Satisfactory☐ Unsatisfactory☐ Non-Functioning☐ Critical Failure

75b. Year of Last Major Reconstruction/Replacement:

2009

75c. Expected Remaining Useful Life (Years):

2

75d. Cost to Reconstruct/Replace \$:

205,000.00

75e. Comments:

Concealed spline ceilings should be replaced with suspended ceiling system.

Lockers

76. Lockers

☒ Yes☐ No

76a. Overall condition of lockers:

☐ Excellent☒ Satisfactory☐ Unsatisfactory☐ Non-Functioning☐ Critical Failure

76b. Year of Last Major Reconstruction/Replacement:

1990

76c. Expected Remaining Useful Life (Years):

10

76d. Cost to Reconstruct/Replace \$:

(No Response)

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Interior Spaces

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76e. Comments:

(No Response)

Interior Doors**77. Interior Doors**☒ Yes☐ No**77a. Overall condition of interior door units:**☐ Excellent☒ Satisfactory☐ Unsatisfactory☐ Non-Functioning☐ Critical Failure**77b. Overall condition of interior door hardware:**☐ Excellent☒ Satisfactory☐ Unsatisfactory☐ Non-Functioning☐ Critical Failure**77c. Year of Last Major Reconstruction/Replacement:**

2009

77d. Expected Remaining Useful Life (Years):

15

77e. Cost to Reconstruct/Replace \$:

(No Response)

77f. Comments:

(No Response)

Interior Stairs (S)**78. Interior Stairs (S)**☒ Yes☐ No**78a. Overall condition of interior stairs:**☐ Excellent☒ Satisfactory☐ Unsatisfactory☐ Non-Functioning☐ Critical Failure**78b. Year of Last Major Reconstruction/Replacement:**

1954

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Interior Spaces

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78c. Expected Remaining Useful Life (Years):

5

78d. Cost to Reconstruct/Replace \$:

(No Response)

78e. Comments:

Stairs to boiler room only.

Elevator, Lifts and Escalators (H)**79. Elevator, Lift, and Escalators (H)**☐ Yes☒ No**Interior Electrical Distribution (H)****80. Interior Electrical Distribution (H)**☒ Yes☐ No**80a. Interior electrical supply meets current needs:**☒ Yes☐ No**80b. Condition of interior electrical distribution:**☐ Excellent☒ Satisfactory☐ Unsatisfactory☐ Non-Functioning☐ Critical Failure**80c. Year of Last Major Reconstruction/Replacement:**

2009

80d. Expected Remaining Useful Life (Years):

0

80e. Cost to Reconstruct/Replace \$:

160000

80f. Comments:

Replace obsolete main distribution panel. Need additional convenience power. Add additional secondary panels. Replace obsolete secondary panels.

Lighting Fixtures**81. Interior Lighting Fixtures**☒ Yes☐ No

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Interior Spaces

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81a. Condition of interior lighting fixtures:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

81b. Year of Last Major Reconstruction/Replacement:

2009

81c. Expected Remaining Useful Life (Years):

10

81d. Cost to Reconstruct/Replace \$:

(No Response)

81e. Comments:

(No Response)

Communication Systems (H)**82. Communication Systems (H)**

- ☒ Yes
☐ No

82a. Communication systems are adequate:

- ☒ Yes
☐ No

82b. Condition of communication systems:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

82c. Year of Last Major Reconstruction/Replacement:

2011

82d. Expected Remaining Useful Life (Years):

10

82e. Cost to Replace/Reconstruct \$:

65000

82f. Comments:

VoIP added PA, head end at end of useful life.

Swimming Pool and Swimming Pool Systems

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Interior Spaces

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83. Swimming Pool and Swimming Pool Systems

☐ Yes

☒ No

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Plumbing (Excluding HVAC Systems)

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PLUMBING**84. Water Distribution System (H)**

- ☒ Yes
☐ No

84a. Types of pipes (check all that apply):

- ☐ Iron
☒ Galvanized
☒ Copper
☐ Lead
☐ PVC
☐ Other

84b. Overall condition of water distribution system:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

84c. Year of Last Major Reconstruction/Replacement:

2009

84d. Expected Remaining Useful Life (Years):

10

84e. Cost to Reconstruct/Replace \$:

120,000.00

84f. Comments:

Replace original CW, HW, HWR mains and branch p piping. Replace valves (1953 and 1964 wings).

Plumbing Drainage System (H)**85. Plumbing Drainage System (H)**

- ☒ Yes
☐ No

85a. Types of pipes (check all that apply):

- ☒ Iron
☒ Galvanized
☐ Copper
☐ Lead
☐ PVC
☐ Other

85b. Overall condition of drainage system:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

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Plumbing (Excluding HVAC Systems)

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85c. Year of Last Major Reconstruction/Replacement:

2009

85d. Expected Remaining Useful Life (Years):

5

85e. Cost to Reconstruct/Replace \$:

(No Response)

85f. Comments:

(No Response)

Hot Water Heaters (H)**86. Hot Water Heaters (H)**☒ Yes☐ No**86a. Type of fuel (check all that apply):**☐ Oil☒ Natural Gas☐ Electricity☐ Propane☐ Other**86b. Overall condition of hot water heaters:**☐ Excellent☒ Satisfactory☐ Unsatisfactory☐ Non-Functioning☐ Critical Failure**86c. Year of Last Major Reconstruction/Replacement:**

2001

86d. Expected Remaining Useful Life (Years):

5

86e. Cost to Reconstruct/Replace \$:

65,000.00

86f. Comments:

At end of useful life.

Plumbing Fixtures**87. Plumbing Fixtures**☒ Yes☐ No

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Plumbing (Excluding HVAC Systems)

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87a. Overall condition of plumbing fixtures (including toilets, urinals, lavatories, etc):

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

87b. Year of Last Major Reconstruction/Replacement:

2009

87c. Expected Remaining Useful Life (Years):

0

87d. Cost to Reconstruct/Replace \$:

170,000.00

87e. Comments:

Replace original classroom WC, SK w/ bubblers.

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HVAC Systems

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HVAC SYSTEMS**88. HVAC Systems Type****88a. Does this building have a central HVAC system?**

- ☐ Yes
☒ No

Heat Generating Systems (H)**88b.1 Other central HVAC system technology:**

(No Response)

89. Heat Generating Systems (H)

- ☒ Yes
☐ No

89a. Heat generation source (check all that apply):

- ☐ Boiler / Hot Water
☒ Boiler / Steam
☐ Furnace / Forced Air
☐ Unit Ventilation
☐ Geothermal
☐ Biomass
☐ Electric
☐ Other (describe below)

89a.1 Other heat generation source:

(No Response)

89b. Overall condition of heat generating systems:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

89c. Year of Last Major Reconstruction/Replacement:

2009

89d. Expected Remaining Useful Life (Years):

5

89e. Cost to Reconstruct/Replace \$:

300,000.00

89f. Comments:

Remove steam heating plant and convert building to hot water. Work is alterate in 2016 project.

Heating Fuel/Energy Systems (H)

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HVAC Systems

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90. Heating Fuel / Energy Systems (H)

- ☒ Yes
☐ No

90a. Overall condition of heating fuel / energy systems:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

90b. Year of Last Major Reconstruction/Replacement:

2001

90c. Expected Remaining Useful Life (Years):

5

90d. Cost to Reconstruct/Replace \$:

(No Response)

90e. Comments:

(No Response)

Cooling/Air Conditioning Generating Systems**91. Cooling / Air-Conditioning Generating Systems**

- ☒ Yes
☐ No

91a. Overall condition of cooling/air-conditioning generating systems:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

91b. Year of Last Major Reconstruction/Replacement:

2009

91c. Expected Remaining Useful Life (Years):

15

91d. Cost to Reconstruct/Replace \$:

37,500.00

91e. Comments:

ADD A/C to (2) data closets.

AIR HANDLING AND VENTILATION EQUIPMENT

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HVAC Systems

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92. Air Handling and Ventilation Equipment: Supply Units, Exhaust Units, Relief/Return Units, etc. (H)

- ☒ Yes
☐ No

92a. Overall condition of air handling and ventilation systems:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

92b. Year of Last Major Reconstruction/Replacement:

2009

92c. Expected Remaining Useful Life (Years):

0

92d. Cost to Reconstruct/Replace \$:

680,000.00

92e. Comments:

Replace original exhaust fans. Replace gymnasium air handling system. (UV's alternate in 2016 project).

Piped Heating and Cooling Distribution Systems**93. Piped Heating and Cooling Distribution Systems: Piping, Pumps, Radiators, Convectorss, Traps, Insulation, etc. (H)**

- ☒ Yes
☐ No

93a. Overall condition of piped heating and cooling distribution systems:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

93b. Year of Last Major Reconstruction/Replacement:

2009

93c. Expected Remaining Useful Life (Years):

0

93d. Cost to Reconstruct/Replace \$:

430,000.00

93e. Comments:

Replace steam heating piping with hot water piping. (Alternate in 2016 project)

Ducted Heating and Cooling Distribution Systems

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HVAC Systems

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94. Ducted Heating and Cooling Distribution Systems: Ductwork, Control Dampers, Fire/Smoke Dampers, VAVs, Insulation, etc. (H)

- ☒ Yes
☐ No

94a. Overall condition of ducted heating and cooling distribution systems:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

94b. Year of Last Major Reconstruction/Replacement:

2009

94c. Expected Remaining Useful Life (Years):

15

94d. Cost to Reconstruct/Replace \$:

15,000.00

94e. Comments:

Clean Gymnasium and library ductwork systems.

HVAC Control Systems**95. HVAC Control Systems (H)**

- ☒ Yes
☐ No

95a. Overall condition of control systems:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

95b. Year of Last Major Reconstruction/Replacement:

2009

95c. Expected Remaining Useful Life (Years):

15

95d. Cost to Reconstruct/Replace \$:

240,000.00

95e. Comments:

EPC and alternate in 2016 project.

2015 Building Condition Survey Instrument - 2015 Building Conditions SurveyFire Safety Systems

Page Last Modified: 04/20/2016

Fire Safety Systems**96. Fire Alarm Systems (H)**

- ☒ Yes
☐ No

96a. Overall condition of fire alarm system:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

96b. Year of Last Major Reconstruction/Replacement:

2009

96c. Expected Remaining Useful Life (Years):

15

96d. Cost to Reconstruct/Replace \$:

20,000.00

96e. Comments:

Add strobes in classrooms.

Smoke Detection System (H)**97. Smoke Detection Systems (H)**

- ☒ Yes
☐ No

97a. Overall condition of smoke detection systems:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

97b. Year of Last Major Reconstruction/Replacement:

2009

97c. Expected Remaining Useful Life (Years):

15

97d. Cost to Reconstruct/Replace \$:

(No Response)

97e. Comments:

(No Response)

Fire Suppression Systems

2015 Building Condition Survey Instrument - 2015 Building Conditions SurveyFire Safety Systems

Page Last Modified: 04/20/2016

98. Fire Suppression Systems: Sprinklers, Standpipes, Kitchen Hoods, etc. (H)

- ☐ Yes
☒ No

Emergency/Exit Lighting Systems**99. Emergency / Exit Lighting Systems (H)**

- ☒ Yes
☐ No

99a. Overall condition of emergency / exit lighting systems:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

99b. Year of Last Major Reconstruction/Replacement:

2009

99c. Expected Remaining Useful Life (Years):

10

99d. Cost to Reconstruct/Replace \$:

55,000.00

99e. Comments;

Revise various corridor fixtures to be on BM. Replace fluorescent exists, add battery packs, add emergency lighting at exit discharge.

Emergency/Standby Power Systems**100. Emergency or Standby Power System (H)**

- ☐ Yes
☒ No

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Accessibility

Page Last Modified: 06/05/2016

ACCESSIBILITY**101. Exterior Accessible Route (H)**

People with disabilities should be able to arrive on site, approach the building, and enter as freely as everyone else. At least one route of travel should be safe and accessible for everyone, including people with disabilities. This route must include handicapped parking, curb cuts, ramps, and automatic door operators as necessary to enter the building.

Is there an accessible exterior route as specified above?

- ☒ Yes
☐ No

102. Interior Accessible Route, Access to Goods and Services, and Restroom Facilities (H)

The layout of the building should allow people with disabilities to obtain materials or services and use the facilities without assistance. This should include access to general purpose and specialized classrooms, public assembly spaces (such as libraries, gymnasiums, auditoriums), nurse's office, main office, and restroom facilities. Services include drinking fountains, telephones, and other amenities.

Is there an accessible interior route as specified above?

- ☒ Yes
☐ No

103. Additional Information on Accessibility

If the building lacks accessible interior or exterior routes:

103a. Cost of improvements needed to provide accessible exterior and interior routes as specified above \$:

(No Response)

103b. Comments:

(No Response)

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Environment/Comfort/Health

Page Last Modified: 06/05/2016

ENVIRONMENT/COMFORT/HEALTH**104. General Appearance****104a. Overall Rating:**

- ☒ Good
☐ Fair
☐ Poor

104b. Comments:

(No Response)

105. Cleanliness**105a. Overall Rating:**

- ☒ Good
☐ Fair
☐ Poor

105b. Comments:

(No Response)

106. Are there walk off mats; grills in the entryway?

- ☒ Yes
☐ No

106a. If yes: at least 6 feet long?

- ☒ Yes
☐ No

107. Is there noise in classrooms from HVAC units, traffic, etc. that may impact education?

- ☐ Yes
☒ No

108. Lighting Quality:**108a. Types of lighting in general purpose classrooms (check all that apply):**

- ☒ Daylight
☒ Flourescent-not full spectrum
☐ Flourescent full spectrum
☒ Incandescent
☐ Other (describe)

108b. Are there blinds in the classroom to prevent glare?

- ☒ Yes
☐ No

108c. Overall Rating:

- ☐ Good
☒ Fair
☐ Poor

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Environment/Comfort/Health

Page Last Modified: 06/05/2016

108d. Comments:

Added OCC sensors in EPC.

109. Evidence of Vermin

109a. Is there evidence of active infestations of...(check all that apply)?

- ☐ Rodents
- ☐ Wood-boring or Wood-eating Insects
- ☐ Cockroaches
- ☐ Other Vermin
- ☒ None

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Indoor Air Quality

Page Last Modified: 06/08/2016

Indoor Air Quality**110. Mold****110a. Is there visible mold or moldy odors?**

- ☐ Yes
☒ No

110c. Are any surfaces constructed of any of the following materials?

- ☒ Paper-faced or gypsum products
☒ Cellulose products (typically ceiling tiles)

110d. Estimated cost of necessary improvements \$:

(No Response)

110d. Comments:

(No Response)

111. Humidity/Moisture**111a. Overall rating of humidity/moisture condition in building:**

- ☐ Good
☒ Fair
☐ Poor

111b. Are any of the following found in/or around classroom areas (check all that apply)?

- ☐ Active leaks in roof
☐ Active leaks in plumbing
☐ Moisture condensation
☐ Visible stains or water damage
☒ None

111c. Are any of the following found in/or around other areas (check all that apply)?

- ☐ Active leaks in roof
☒ Active leaks in plumbing
☒ Moisture condensation
☐ Visible stains or water damage
☐ None

112. Ventilation: fresh air intake locations, air filters, etc.**112a. Are fresh air intakes near the bus loading, truck delivery, or garbage storage/disposal areas?**

- ☐ Yes
☒ No

112b. Is there accumulated dirt, dust or debris around fresh air intakes?

- ☐ Yes
☒ No

112c. Are fresh air intakes free of blockage?

- ☒ Yes
☐ No

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Indoor Air Quality

Page Last Modified: 06/08/2016

112d. Is accumulated dirt, dust or debris in ductwork?

- ☒ Yes
☐ No

112e. Are dampers functioning as designed?

- ☒ Yes
☐ No

112f. Condition of air filters:

- ☐ Good
☒ Fair
☐ Poor

112g. Outside air is adequate for occupant load:

- ☒ Yes
☐ No

112h. Rating of ventilation/indoor air quality:

- ☐ Good
☒ Fair
☐ Poor

112i. Comments:

(No Response)

113. Indoor Air Quality (IAQ) Plan**113a. Does the school district use EPA's Tools for Schools program?**

- ☐ Yes
☒ No

113b. If No, is some other IAQ management plan used?

- ☒ Yes
☐ No

113c. Has the District assigned IAQ responsibilities to a designated individual?

- ☒ Yes
☐ No

113c.1 If Yes, what is their job title?

Health and Safety Officer.

114. Does the school practice IPM?

- ☒ Yes
☐ No

114a. Is vegetation kept one foot away from the building?

- ☒ Yes
☐ No

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Indoor Air Quality

Page Last Modified: 06/08/2016

114b. Are crevices and holes in walls, floors and pavement sealed or eliminated?

- ☒ Yes
☐ No

114c. Is there a certified pesticide applicator on staff?

- ☐ Yes
☒ No

114d. Are pesticides used in the building?

- ☐ Yes
☒ No

114d.1 If Yes, how are they typically applied?

- ☐ Spot treatment
☐ Area wide treatments

114e. Are pesticides used on the grounds?

- ☐ Yes
☒ No

114e.1 If Yes, was an emergency exemption granted by the Board of Education?

- ☐ Yes
☐ No

115. Does the school have a passive radon mitigation system installed (was built with radon resistant features)?

- ☐ Yes
☒ No

115a. Has the facility been tested for the presence of radon?

- ☒ Yes
☐ No

115b. Were any of the results of the test greater than or equal to 4 picocuries per liter (pCi/L)?

- ☐ Yes
☒ No

115c. If Yes, did the school take steps to mitigate the elevated radon levels?

- ☐ Yes, active mitigation system installed
☐ Yes, passive mitigation system made active
☐ Yes, ventilation controls (HVAC) adjusted
☐ Yes, other (describe)
☐ No action taken

115c.1 Describe other actions taken to mitigate elevated radon levels:

(No Response)

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

American Red Cross

Page Last Modified: 06/08/2016

American Red Cross Shelter

116. American Red Cross Shelter

- ☐ Yes
☒ No

C.S. Driver Middle School

Year Constructed: 1936

Stories: 3

Building Area: 197,737 approximate GSF

Primary Occupancy: E – Education

Grades Housed: 4-8



C.S. Driver Middle School is located at 2 Reed Parkway, Marcellus, NY 13108. The original building was constructed in 1936, and has since had several additions to reach the current total square footage, notably in 1958, 2000 and 2007. There have also been several improvement projects throughout its history.

The school is a 2 story building with bearing walls and steel framing bearing on reinforced concrete foundation walls and footings. The roof structure consists of steel trusses, steel beams, wood purlins and open web joists with gypsum and metal decking. The exterior walls in the original building wing are solid masonry with brick exterior finish, and the new wing exterior walls are brick veneer cavity walls with CMU backup. Interior partition walls are masonry, plaster and CMU, with metal stud and gypsum board at various locations. The floors are cast-in-place concrete. The structural systems are in fair shape, with no visible signs of distress.

The roof at the original wing consists of composite slate shingles that are in good condition. The 1958 and 2000 wing additions have a ballasted built-up membrane roof of fair condition. The 2007 addition roofing includes EPDM and asphalt shingles.

The following items were identified as having a need for completion over the next five years:

1. Site Items:

- Replace structure riser bricks with concrete rings (40).
- Mill and top east parking lot by facilities building.
- Replace concrete sidewalk and ramp with new curb and east entrance near loading dock.
- Provide ramp with detectable warning tiles for crosswalk along main drive.
- Replace west end pavement to front loop.
- Replace asphalt walk on west end with concrete.
- Replace damaged concrete walk on west end.
- Replace concrete curb on west end with granite.
- Replace stairs to upper fields and provide handrails.
- Provide concrete aprons at all structures on pavement (8).
- Reset granite curb on east side by gas building.
- Drainage improvements on west end of building.

- Reset both sets of stairs in the front on the building.
- Replace failed storm structure on northwest corner of building, foundation drainage issues.
- Replace 4' HT player fencing with 6' HT fencing for player safety.
- Fill in planting triangle in concrete walk from KCH for maintenance. Relocate plantings.
- Create new accessible courtyard exit.

2. Building Envelope Items:

- Masonry restoration/lintel replacement.
- Replace entrance doors and frames (6) singles.
- Replace historic windows.
- Add canopies at auditorium side exits.
- Prep and paint roof edge fascia.
- Cafeteria roof.
- Address leaded glass issues.

3. Building Interior Space Items:

- Accessible basement exiting.
- Address leaded glass issues.
- Library corridor upgrades.
- Replace interior doors and hardware (mag. Holds at classrooms).
- Renovate art room.
- Renovate home and careers
- Remove lab casework from rooms 104 and 106.
- Flooring replacement.
- Replace concealed spline ceilings (abatement).
- Renovate offices opposite district office.
- Renovate original gym (bleachers).
- Renovate original locker rooms.
- Nurse area ADA toilet.
- Hazardous material abatement.

4. Mechanical/Plumbing System Items:

- Replace pneumatic DDC controls with electronic DDC controls.
- Add power venting for exhaust (currently gravity).
- Replace boiler feed tank, steam traps, re-insulate condensate piping, replace radiation and convectors.
- Steam to hot water in old building.
- 1971 unit vents.
- Replace boilers.
- Clean original air handling systems, add ventilation and A/C to district office.
- Clean original ductwork systems.

- Add A/C to computer labs and closets.
- Replace air handling unit for original gym with ventilation system for lockers room.
- Replace air handling system for auditorium.
- New dust collection system.
- Replace original galvanized CW, HW, HWR and branch piping including isolation valves.
- Replace gym locker and boiler room underslab sanitary system.
- Add strainer before BFP.
- Replace sinks in gang toilets

5. Electrical/Technology System Items:

- Replace theatrical lighting and audio.
- Replace PA head end.
- Replace remaining obsolete secondary panelboards and add additional convenience power.
- Add strobes to classrooms.
- Add heat detectors in storage areas in basement.
- Add fire suppression in kitchen.
- Revise various corridor fixtures to be on EM. Add emergency lighting at exit discharge in original building.
- Add generator.
- Add gas detection in boiler room.
- Exterior lighting (wall packs).

PHOTOS OF IDENTIFIED BCS AND FIVE YEAR PLAN ITEMS



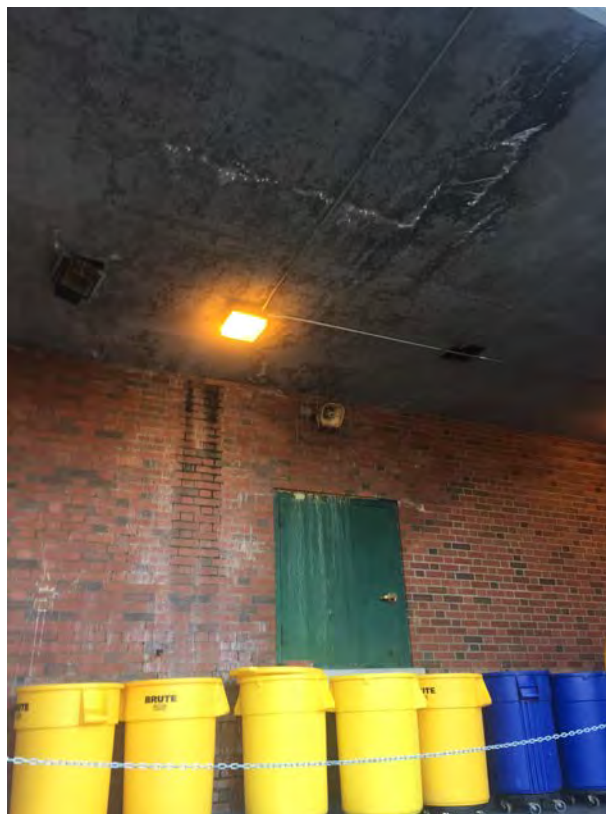
DMS – Original window replacement



DMS – Original window replacement



DMS – Masonry restoration, pointing



DMS – Masonry restoration



DMS – Courtyard areaway deterioration



DMS – Replace older exterior doors



DMS – Provide accessible courtyard exit



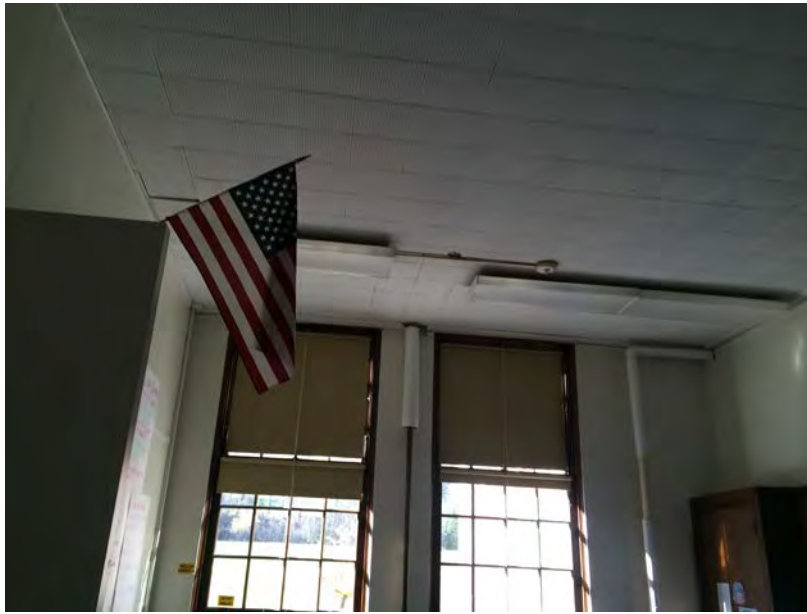
DMS – Provide accessible courtyard access/exit



DMS – Renovate Art Classroom



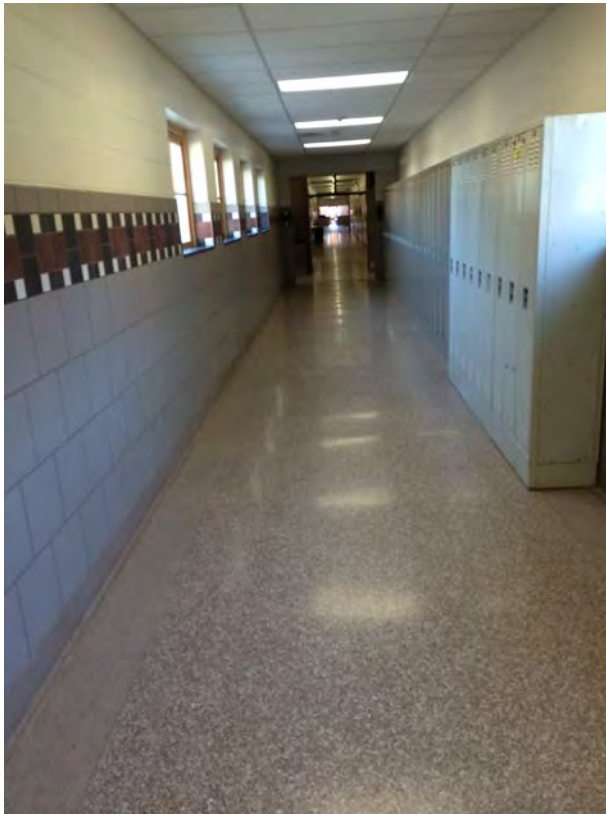
DMS – Renovate Art Classroom



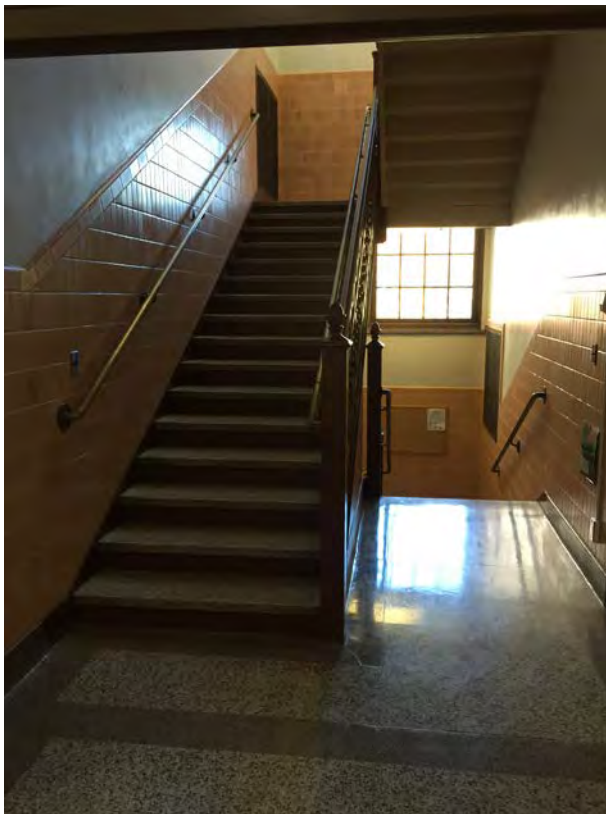
DMS – Replace concealed spline ceilings



DMS – Replace flooring



DMS – Resolve narrow corridors (remove lockers)



DMS – Provide handrail extensions at interior stairs (ADA)



DMS – Replace older cabinetry



DMS – Remove/replace cabinetry



DMS – Resolve floor cracks in newer additions



DMS – Resolve floor cracks in newer additions



DMS – Renovate 4-6 Gym (replace bleachers)



DMS – Renovate 4-6 Gym, resolve efflorescence



DMS – Renovate classroom



DMS – Replace older lighting



DMS – Replace older interior doors



DMS – Reinforce leaded door glass



DMS – Renovate locker rooms, replace under slab sanitary



DMS – Renovate locker rooms, replace under slab sanitary



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Building Condition Survey Supplemental Information

Project:	Marcellus CSD - Driver MS		
Architect:	SEI Design Group		
Date of Visit:	5-5-2016	Weather:	Sunny
Participants:	Brittany Belding		

The following photographs were taken by Appel Osborne Landscape Architecture (AOLA) for providing additional information on items identified during the NYS Education Department Building Condition Survey reviews with the Owner and design team. All photographs are keyed into an overall site plan and line item budgets, both of which are provided by AOLA.



Photograph Number: 1
Budget Line Item Number: \$100,000 (44)

Item Description:

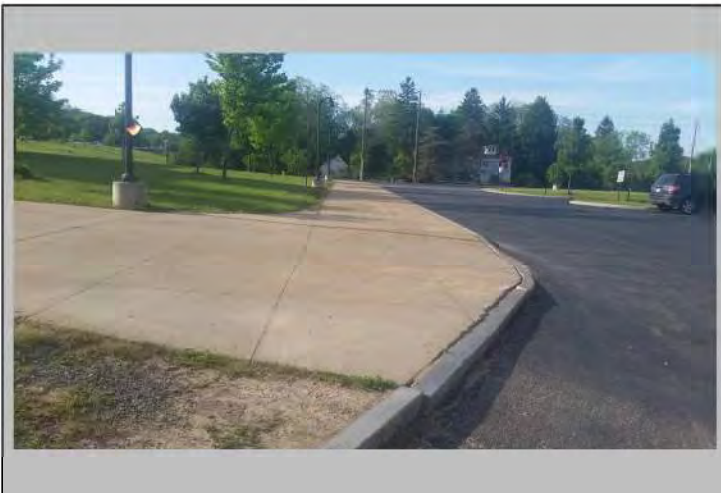
Replace structure riser bricks with concrete rings (40 structures)



Photograph Number: 2
Budget Line Item Number: \$75,000 (53)

Item Description:

Mill and top east parking lot by facilities building (23,000 sf)



Photograph Number: 3
Budget Line Item Number: \$2,000 (54)

Item Description:

Replace concrete sidewalk and ramp with new curb at east entrance near loading dock

Building Condition Survey Supplemental Information

Project:	Marcellus CSD - Driver MS		
Architect:	SEI Design Group		
Date of Visit:	5-5-2016	Weather:	Sunny
Participants:	Brittany Belding		

The following photographs were taken by Appel Osborne Landscape Architecture (AOLA) for providing additional information on items identified during the NYS Education Department Building Condition Survey reviews with the Owner and design team. All photographs are keyed into an overall site plan and line item budgets, both of which are provided by AOLA.



Photograph Number: 4
Budget Line Item Number: \$2,000 (54)

Item Description:

Provide ramp with detectable warning tiles for crosswalk along main drive



Photograph Number: 5
Budget Line Item Number: \$120,000 (53)

Item Description:

Replace west end pavement to front loop (13,400 sf)



Photograph Number: 6
Budget Line Item Number: \$30,000 (54)

Item Description:

Replace asphalt walk on west end with concrete (2,000 sf)

Building Condition Survey Supplemental Information

Project:	Marcellus CSD - Driver MS		
Architect:	SEI Design Group		
Date of Visit:	5-5-2016	Weather:	Sunny
Participants:	Brittany Belding		

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Photograph Number: 7
Budget Line Item Number: \$90,000 (54)

Item Description:

Replace damaged concrete walk on west end
(5,200 sf)



Photograph Number: 8
Budget Line Item Number: \$20,000 (53)

Item Description:

Replace concrete curb on west end with granite
(390 lf)



Photograph Number: 9
Budget Line Item Number: \$150,000 (65)

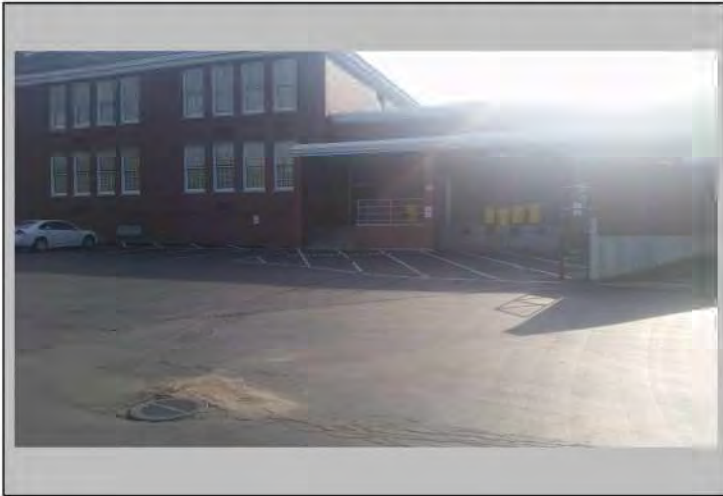
Item Description:

Replace stairs to upper fields and provide handrails
(34 treads)

Building Condition Survey Supplemental Information

Project:	Marcellus CSD - Driver MS		
Architect:	SEI Design Group		
Date of Visit:	5-5-2016	Weather:	Sunny
Participants:	Brittany Belding		

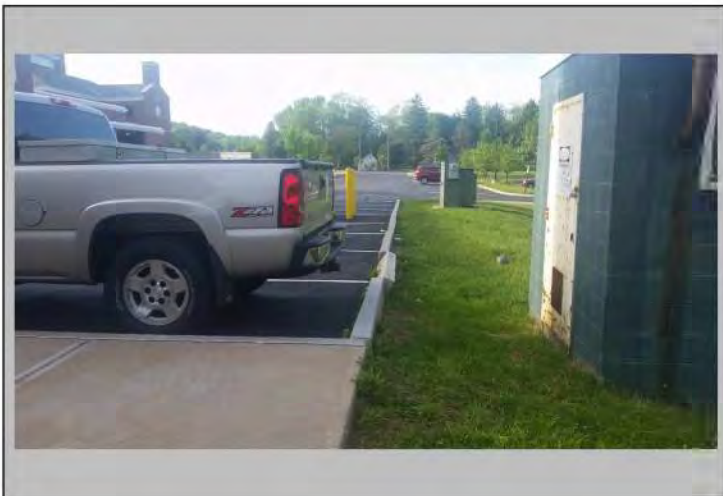
The following photographs were taken by Appel Osborne Landscape Architecture (AOLA) for providing additional information on items identified during the NYS Education Department Building Condition Survey reviews with the Owner and design team. All photographs are keyed into an overall site plan and line item budgets, both of which are provided by AOLA.



Photograph Number: 10
Budget Line Item Number: \$20,000 (44)

Item Description:

Provide concrete aprons at all structures in pavement (8)



Photograph Number: 11
Budget Line Item Number: \$1,000 (53)

Item Description:

Reset granite curb on east side by gas building (25 lf)



Photograph Number: 12
Budget Line Item Number: \$250,000 (42)

Item Description:

Drainage improvements on west end of building

Building Condition Survey Supplemental Information

Project:	Marcellus CSD - Driver MS		
Architect:	SEI Design Group		
Date of Visit:	5-5-2016	Weather:	Sunny
Participants:	Brittany Belding		

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Photograph Number: 12
Budget Line Item Number: \$100,000 (65)

Item Description:

Reset both sets of stairs in the front of the building



Photograph Number: 14
Budget Line Item Number: \$5,000 (44)

Item Description:

Replace failed storm structure on northwest corner of building, foundation drainage issues



Photograph Number: 15
Budget Line Item Number: \$4,000 (56)

Item Description:

Replace 4' ht player fencing with 6' ht fencing for player safety (approx 100 lf)

Building Condition Survey Supplemental Information

Project:	Marcellus CSD - Driver MS		
Architect:	SEI Design Group		
Date of Visit:	5-5-2016	Weather:	Sunny
Participants:	Brittany Belding		

The following photographs were taken by Appel Osborne Landscape Architecture (AOLA) for providing additional information on items identified during the NYS Education Department Building Condition Survey reviews with the Owner and design team. All photographs are keyed into an overall site plan and line item budgets, both of which are provided by AOLA.



Photograph Number: 16
Budget Line Item Number: \$5,000 (54)

Item Description:

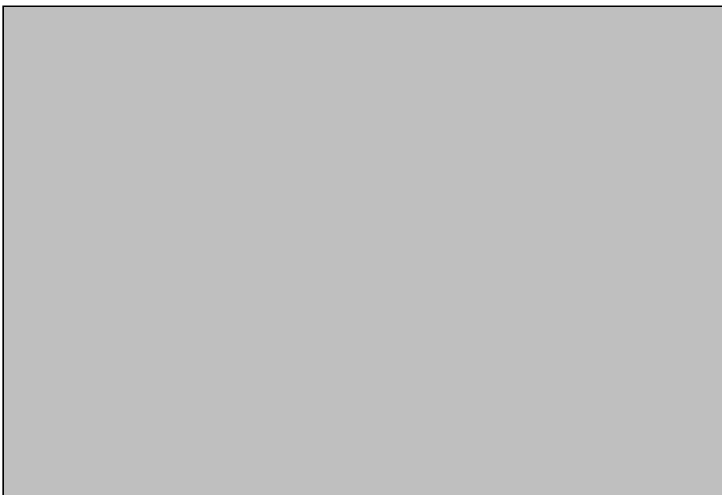
Fill in planting triangle in concrete walk from KCH for maintenance. Relocate plantings (approx 300 sf)



Photograph Number: 17
Budget Line Item Number: \$300,000 (65)

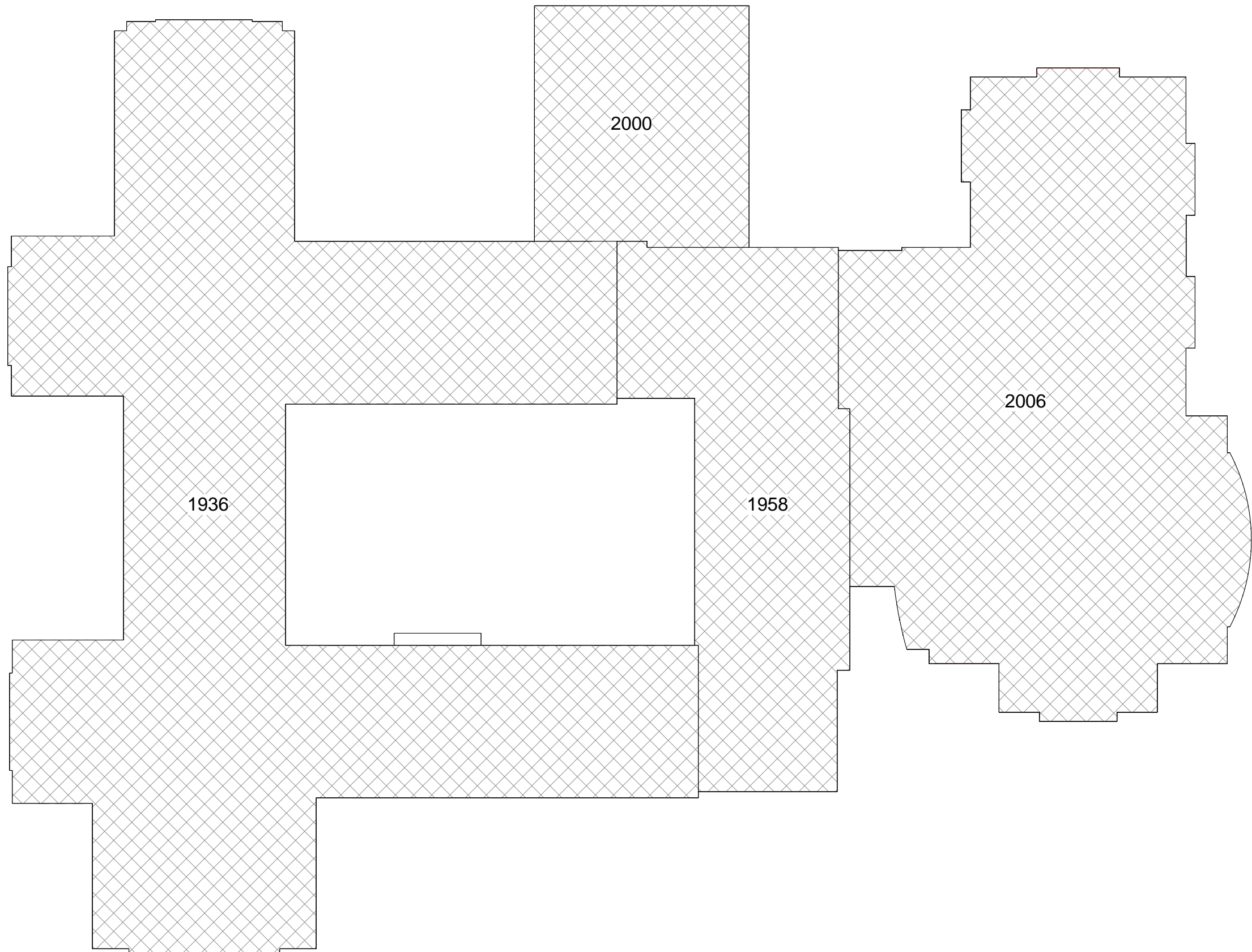
Item Description:

Provide ADA access into courtyard



Photograph Number: _____
Budget Line Item Number: _____

Item Description:



① OVERALL LEGACY PLAN
1" = 40'-0"

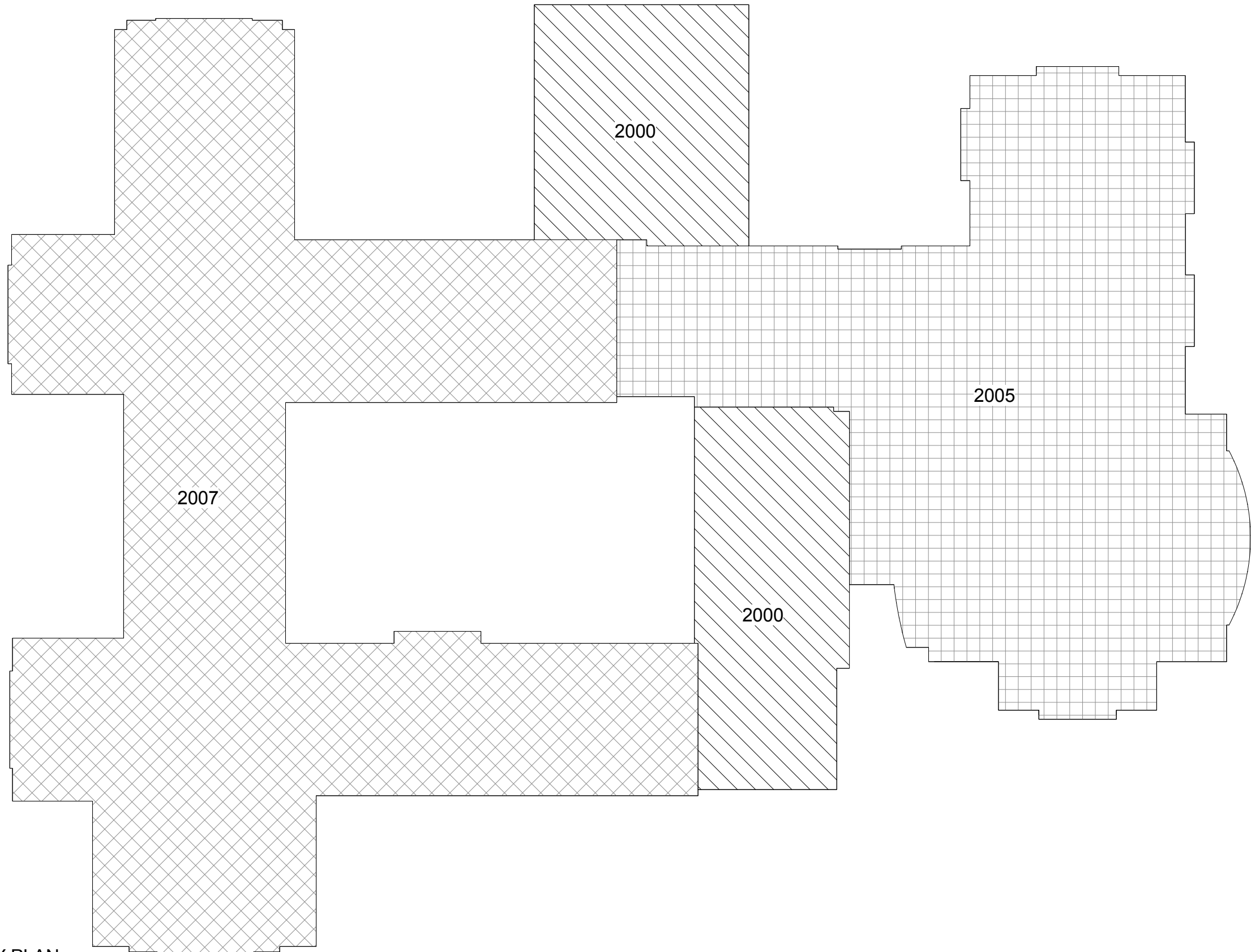


MARCELLUS CENTRAL SCHOOL DISTRICT
DRIVER MIDDLE SCHOOL

OVERALL LEGACY PLAN

MS 0.00

Scale 1" = 40'-0"



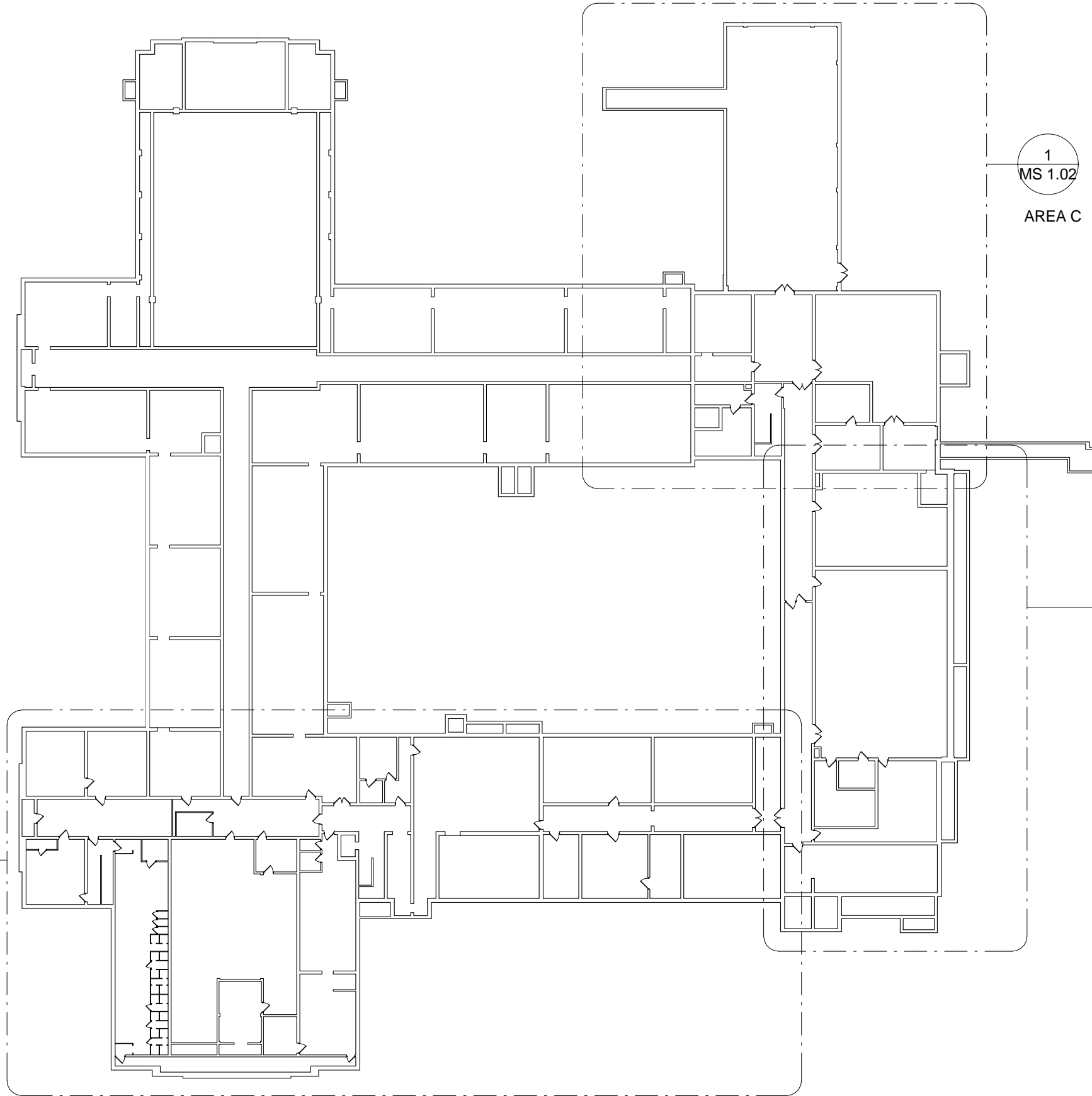
① OVERALL ROOF LEGACY PLAN
1" = 40'-0"

1 OVERALL BASEMENT PLAN
1" = 40'-0"

1
MS 1.01
AREA A

1
MS 1.02
AREA C

1
MS 1.03
AREA D



MARCELLUS CENTRAL SCHOOL DISTRICT
DRIVER MIDDLE SCHOOL

OVERALL BASEMENT PLAN

MS 0.01

Scale 1" = 40'-0"

1
MS 2.03
AREA C

1
MS 2.02
AREA B

1
MS 2.01
AREA A

1
MS 2.04
AREA D

1
MS 2.05
AREA E.1

2
MS 2.05
AREA E.2

1 OVERALL FIRST FLOOR PLAN
1" = 40'-0"



MARCELLUS CENTRAL SCHOOL DISTRICT
DRIVER MIDDLE SCHOOL

OVERALL FIRST FLOOR PLAN

MS 0.02
Scale 1" = 40'-0"

1
MS 3.03
AREA C

1
MS 3.02
AREA B

1
MS 3.01
AREA A

1
MS 3.04
AREA E.1

2
MS 3.04
AREA E.2

1 OVERALL SECOND FLOOR PLAN
1" = 40'-0"

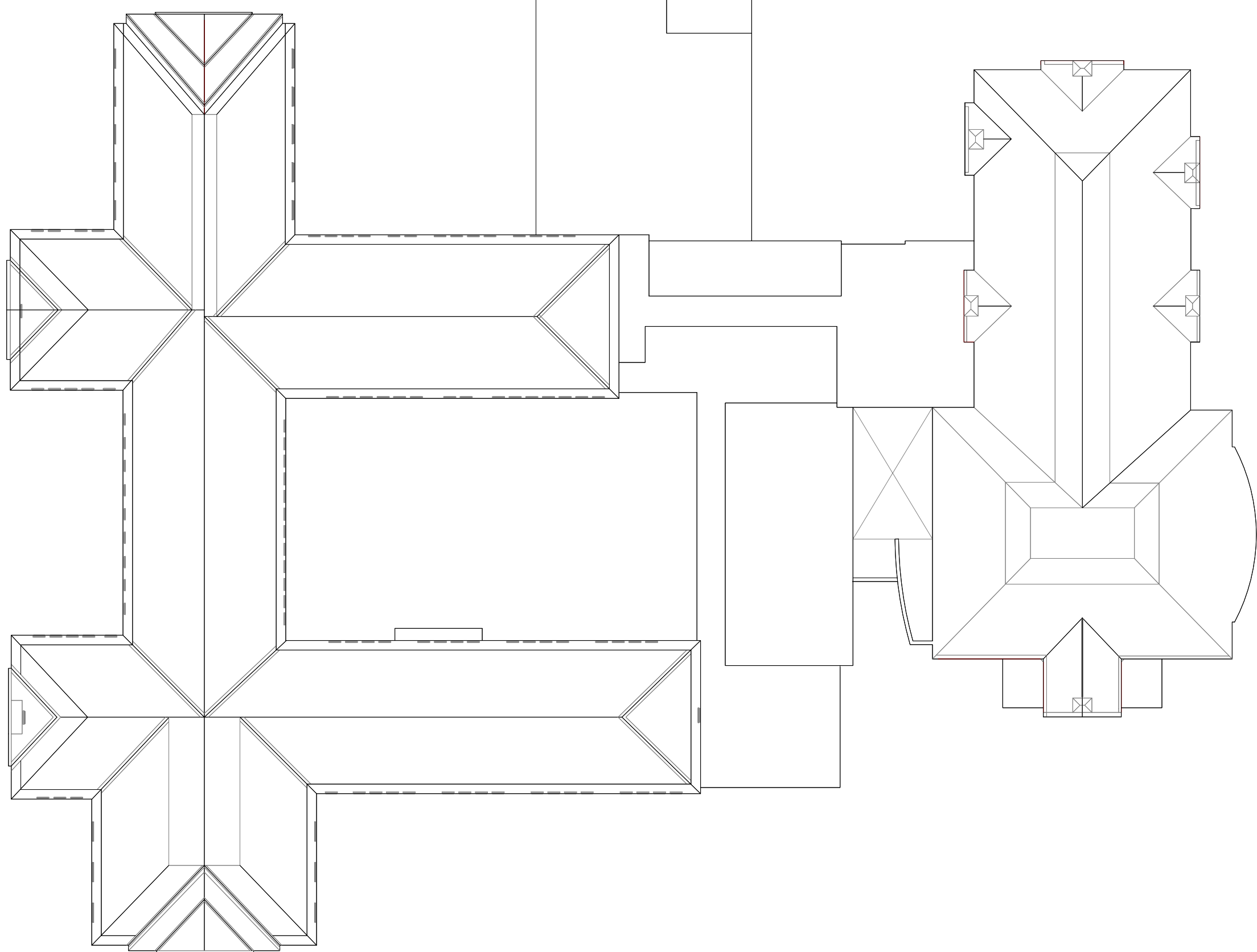


MARCELLUS CENTRAL SCHOOL DISTRICT
DRIVER MIDDLE SCHOOL

OVERALL SECOND FLOOR PLAN

MS 0.03

Scale 1" = 40'-0"



1 OVERALL ROOF PLAN
1" = 40'-0"

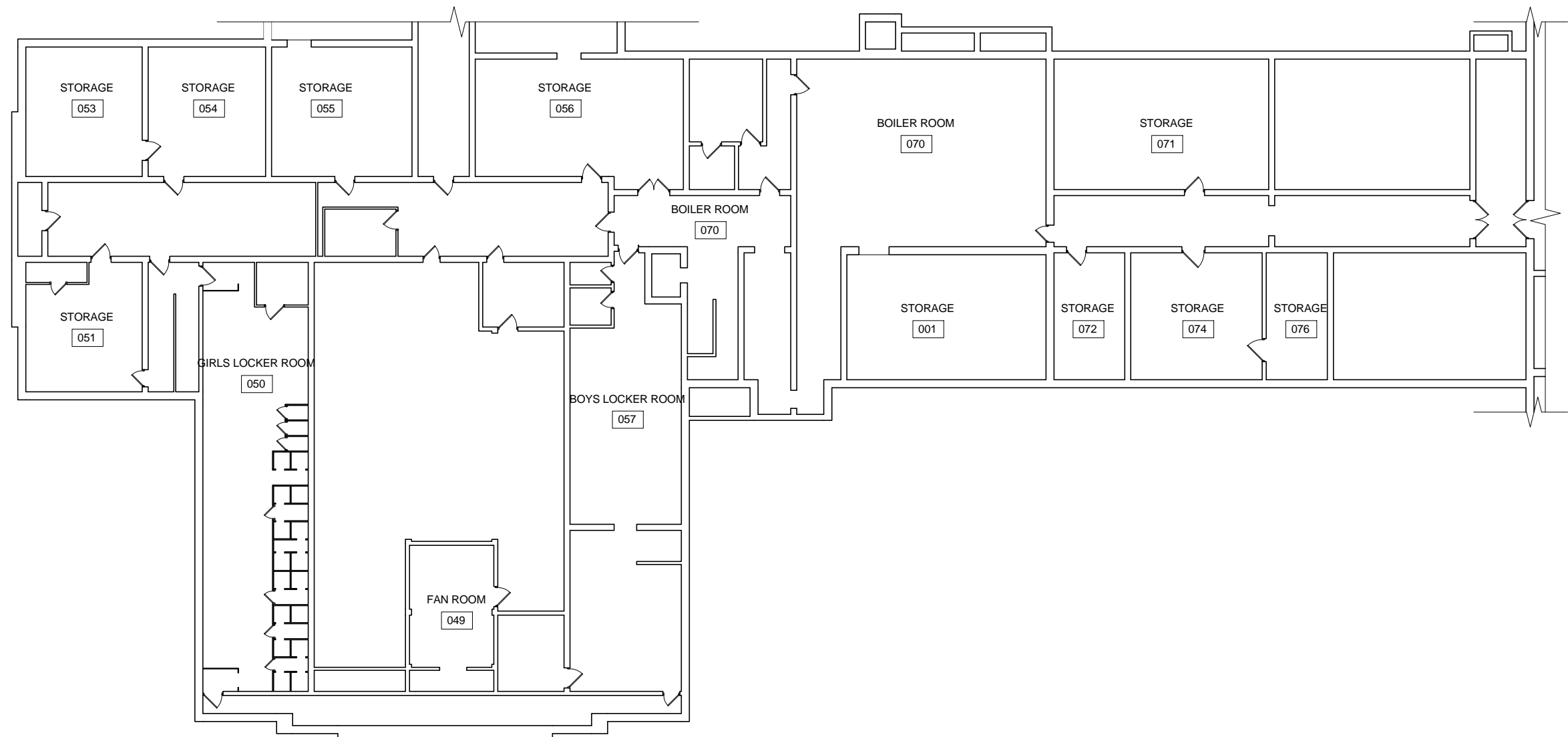


MARCELLUS CENTRAL SCHOOL DISTRICT
DRIVER MIDDLE SCHOOL

OVERALL ROOF PLAN

MS 0.04

Scale 1" = 40'-0"



1 BASEMENT - AREA A
3/64" = 1'-0"

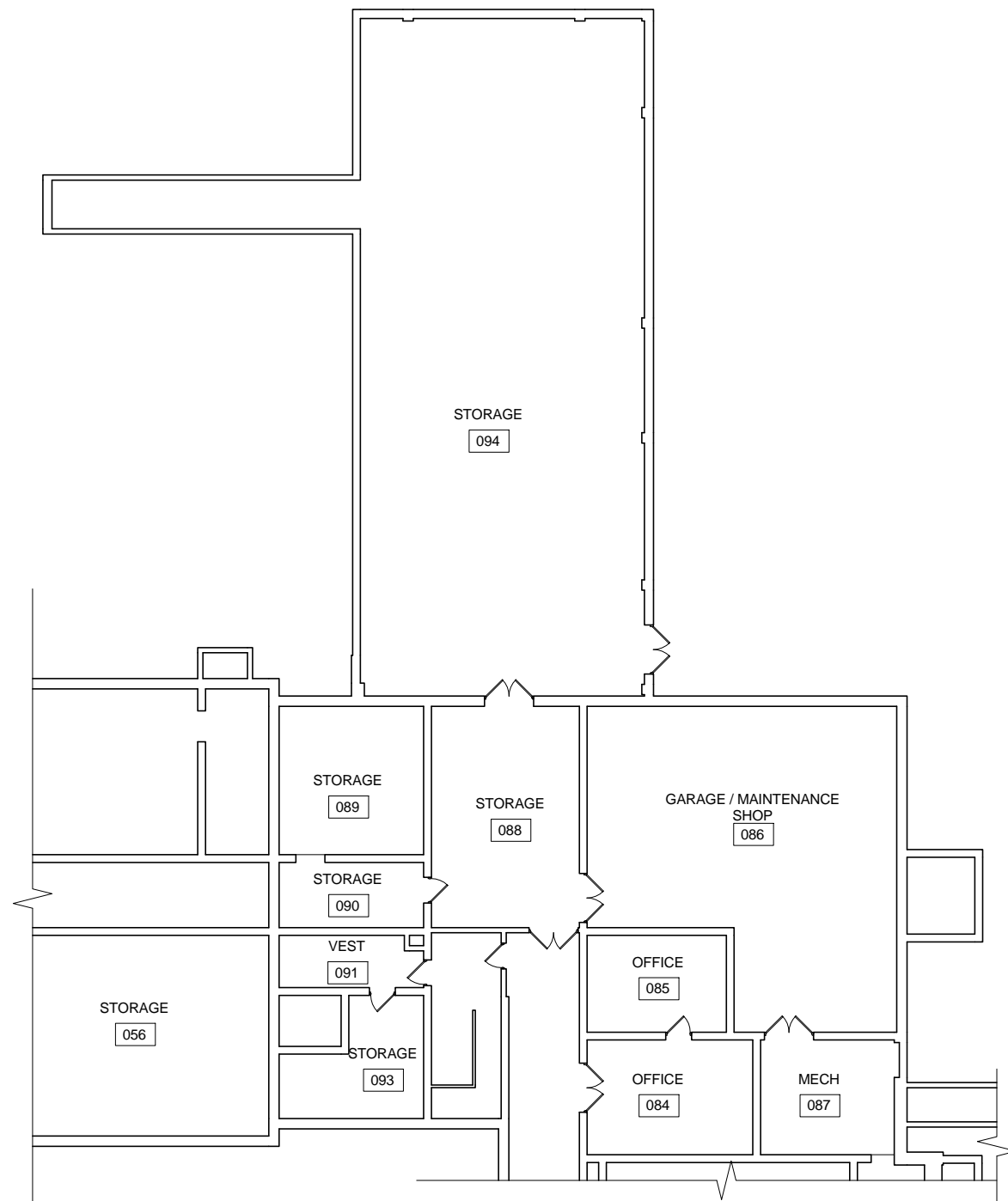


MARCELLUS CENTRAL SCHOOL DISTRICT
DRIVER MIDDLE SCHOOL

BASEMENT PLAN - AREA A

MS 1.01

Scale 3/64" = 1'-0"



1 BASEMENT - AREA C
3/64" = 1'-0"

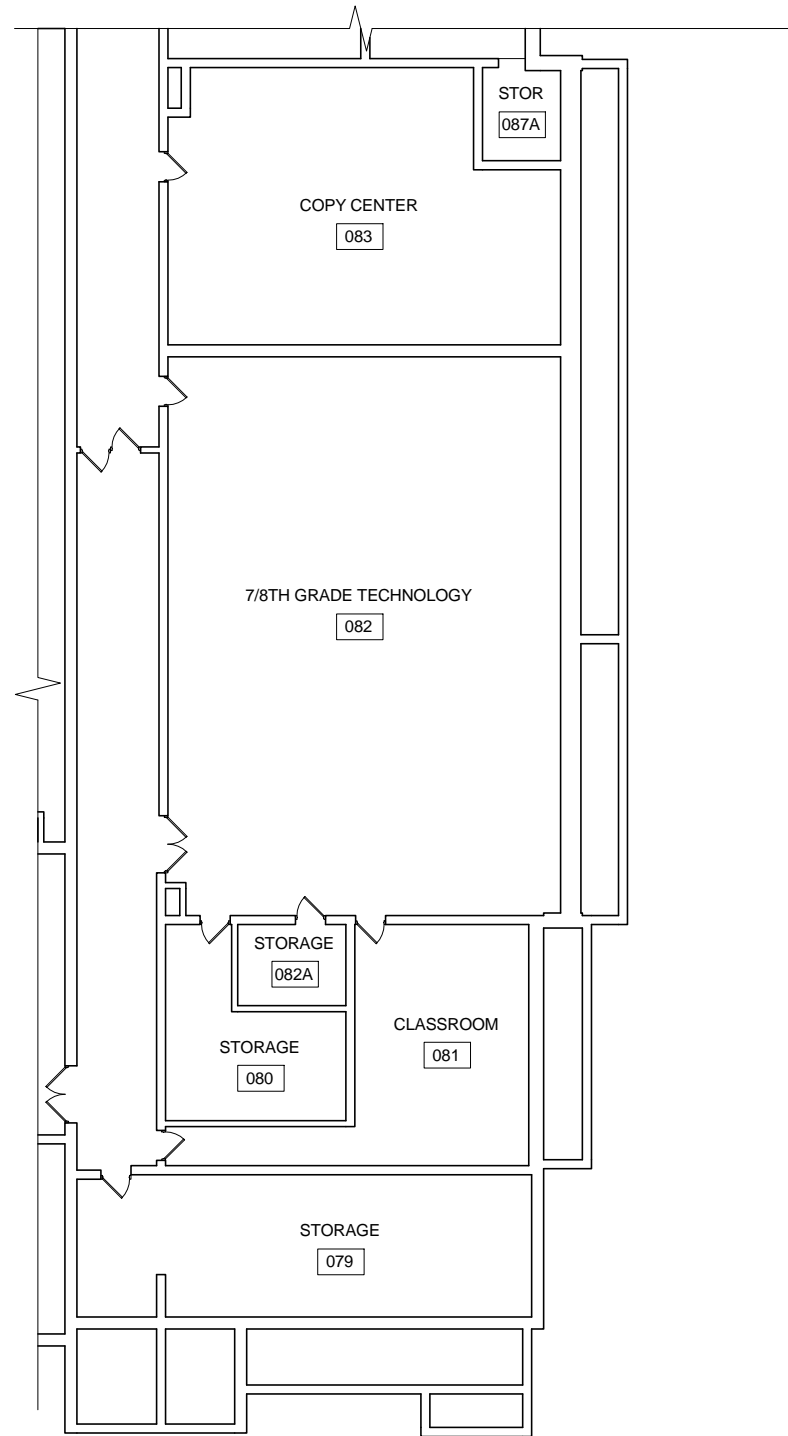


MARCELLUS CENTRAL SCHOOL DISTRICT
DRIVER MIDDLE SCHOOL

BASEMENT - AREA C

MS 1.02

Scale 3/64" = 1'-0"



1 BASEMENT - AREA D
3/64" = 1'-0"

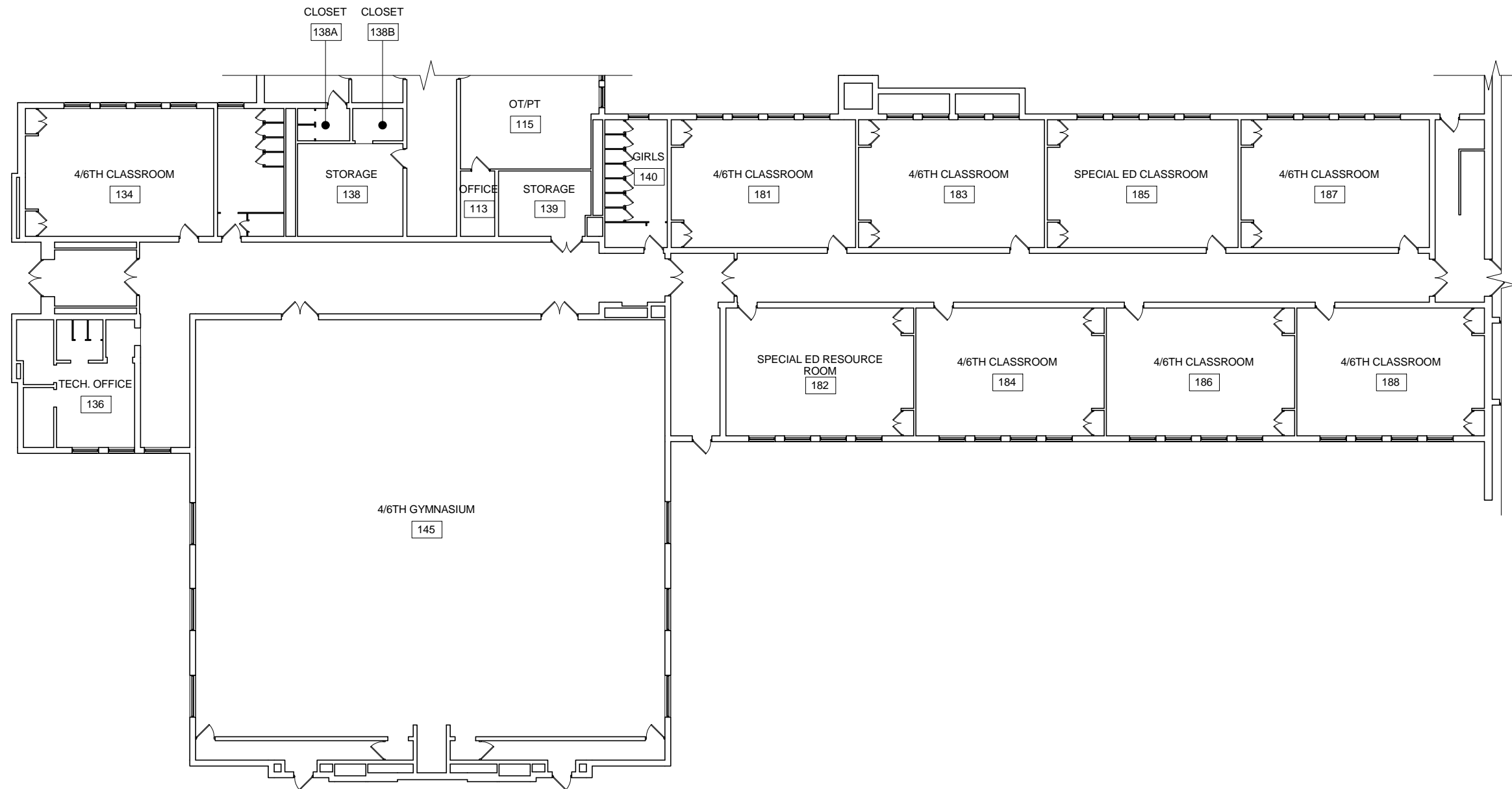


MARCELLUS CENTRAL SCHOOL DISTRICT
DRIVER MIDDLE SCHOOL

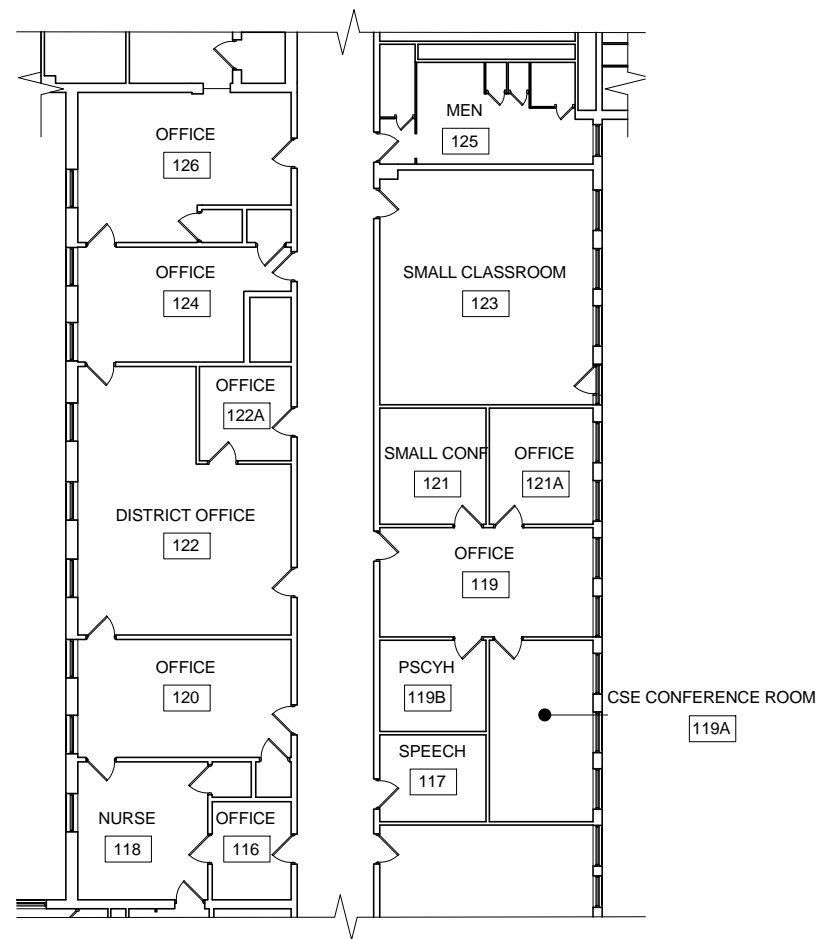
BASEMENT - AREA D

MS 1.03

Scale 3/64" = 1'-0"



1 FIRST FLOOR - AREA A
3/64" = 1'-0"



1 FIRST FLOOR - AREA B
3/64" = 1'-0"

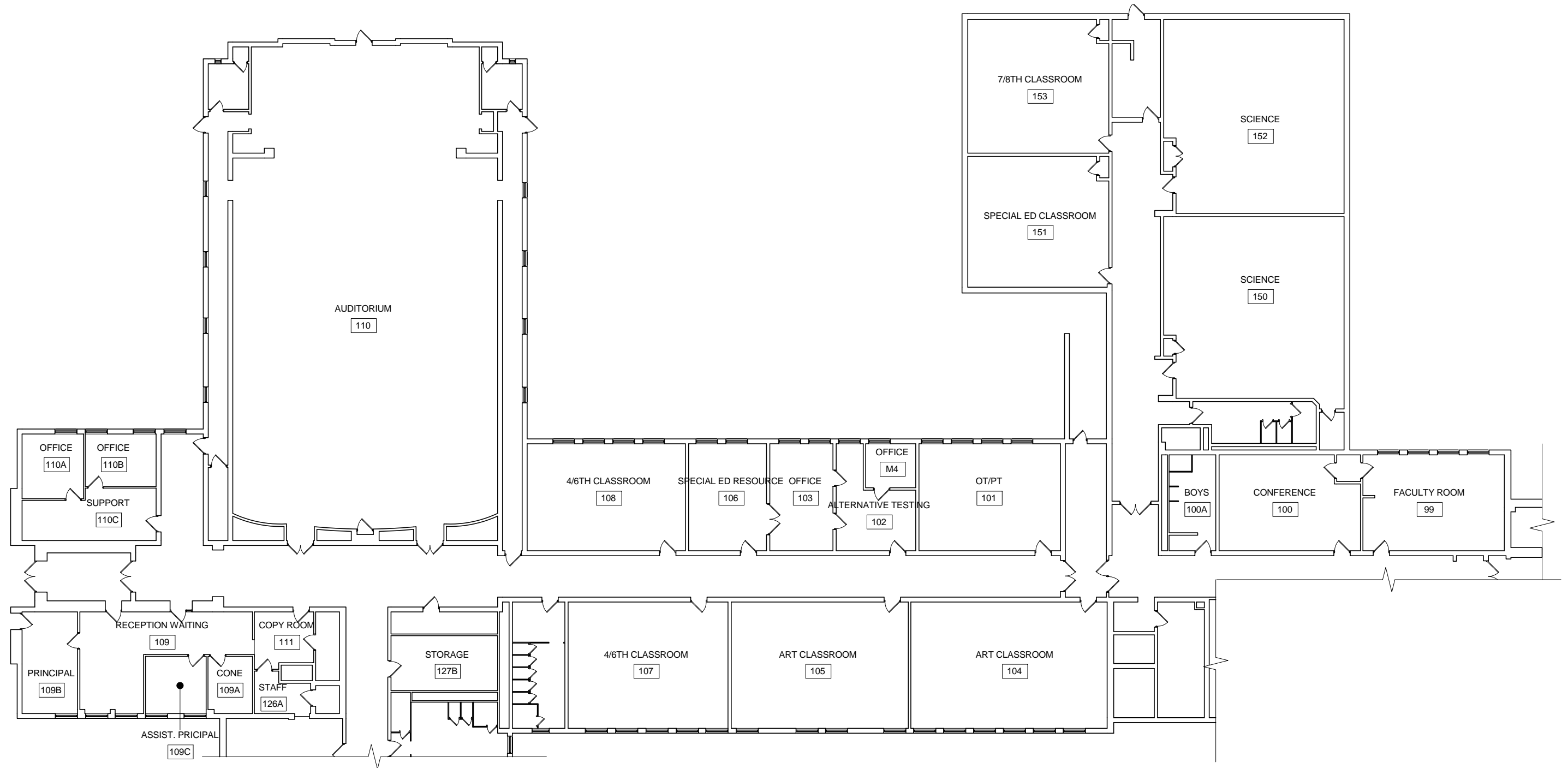


MARCELLUS CENTRAL SCHOOL DISTRICT
DRIVER MIDDLE SCHOOL

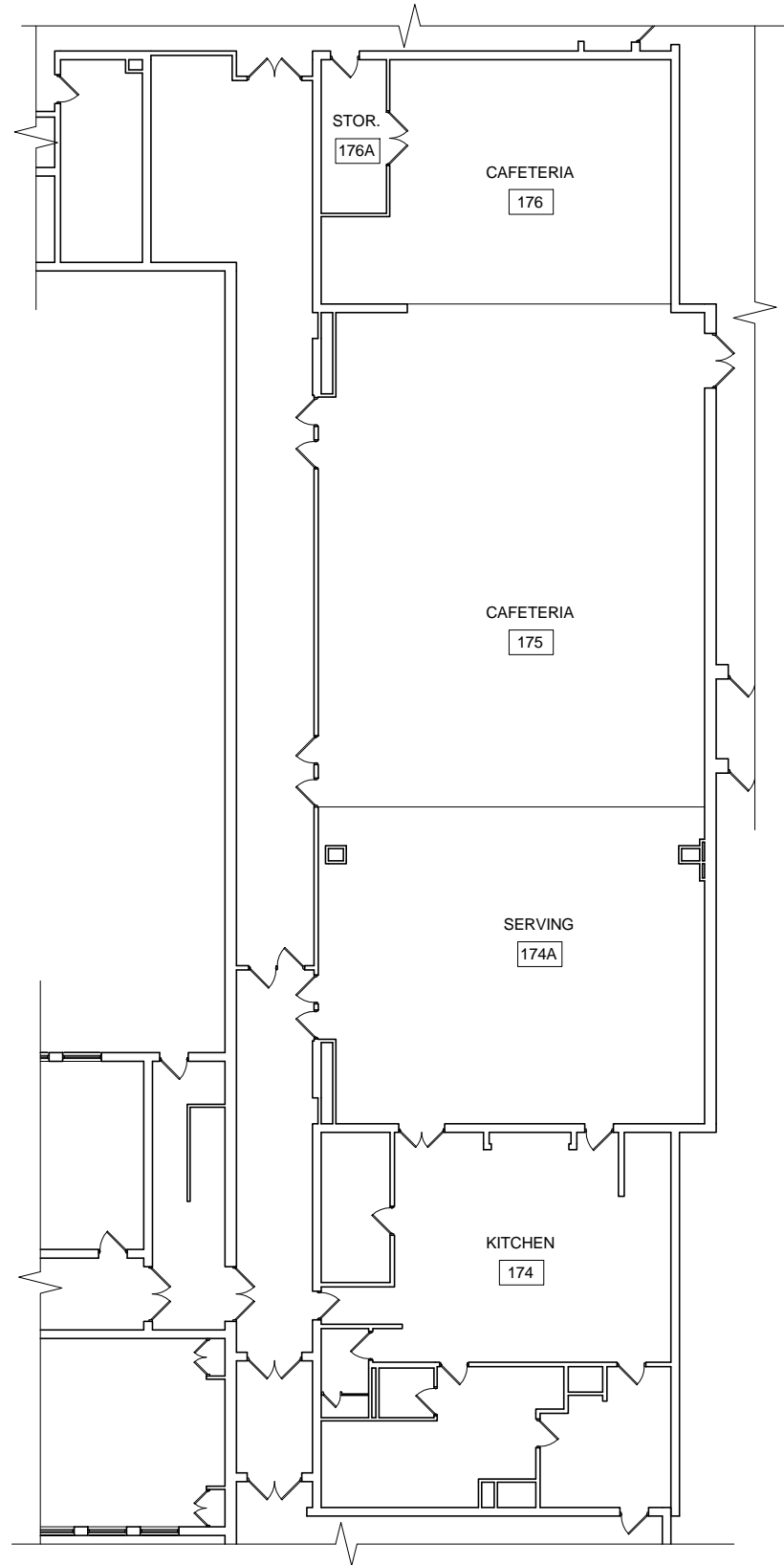
FIRST FLOOR - AREA B

MS 2.02

Scale 3/64" = 1'-0"



1 FIRST FLOOR - AREA C
3/64" = 1'-0"



1 FIRST FLOOR - AREA D
3/64" = 1'-0"

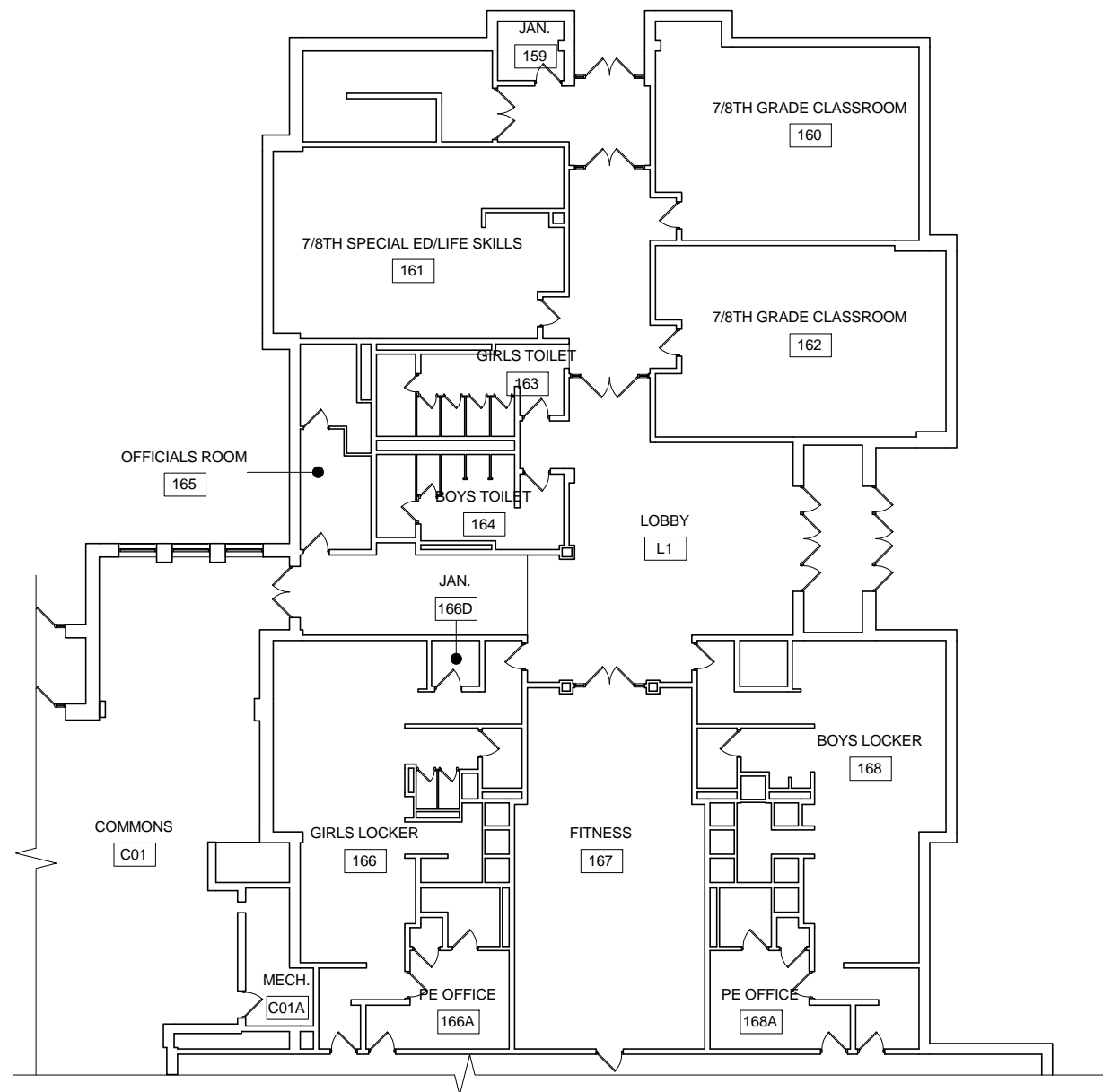


MARCELLUS CENTRAL SCHOOL DISTRICT
DRIVER MIDDLE SCHOOL

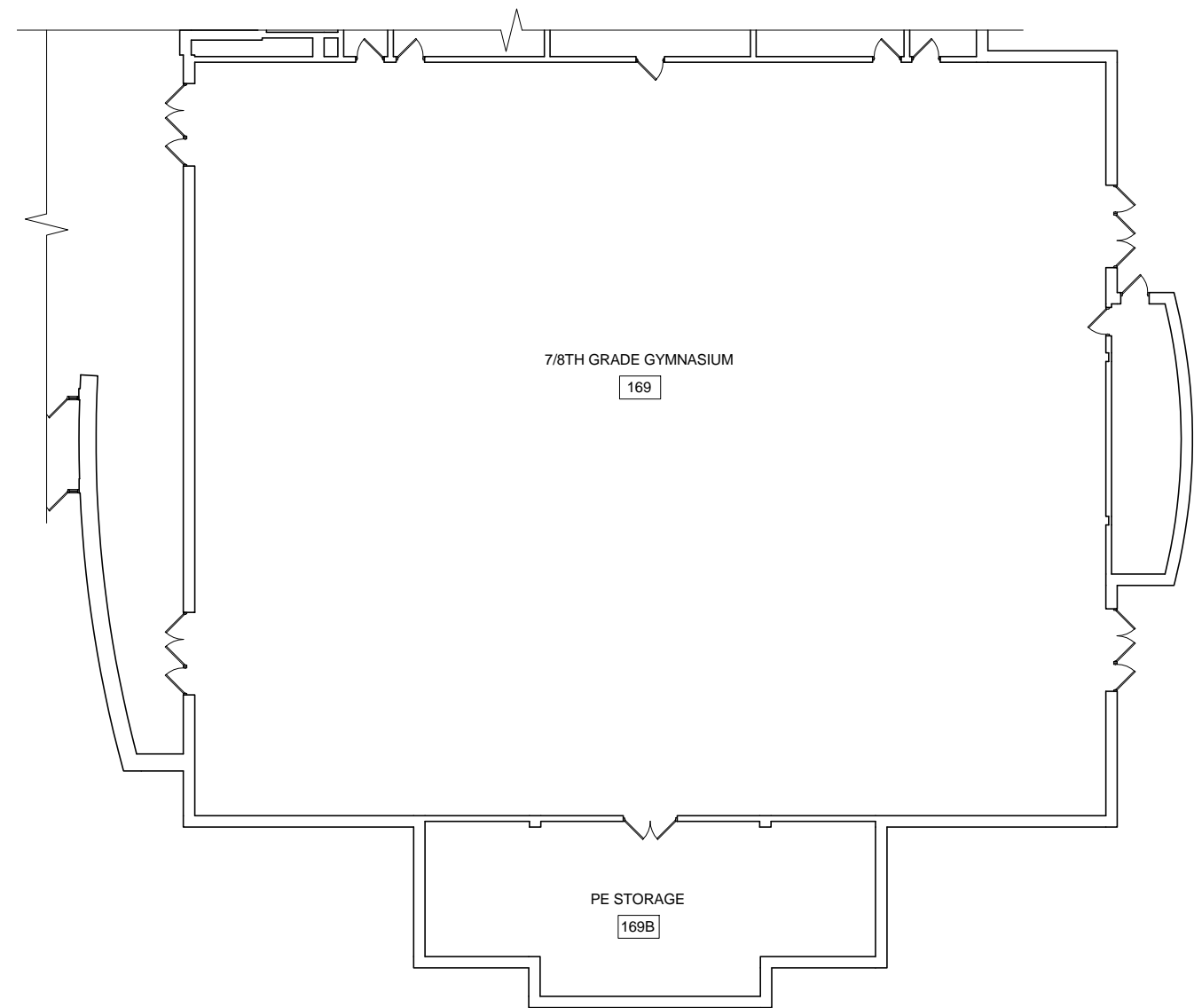
FIRST FLOOR - AREA D

MS 2.04

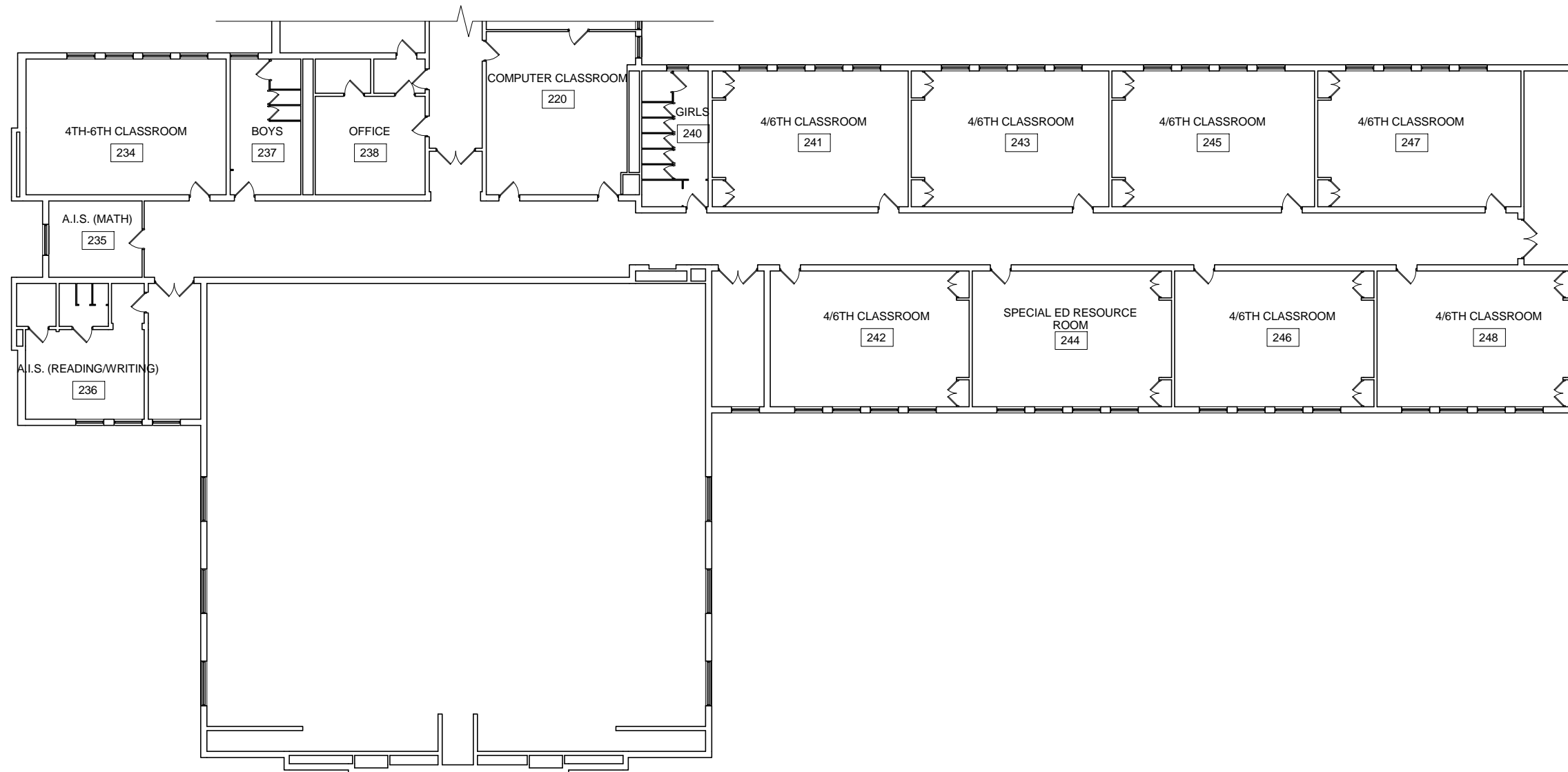
Scale 3/64" = 1'-0"



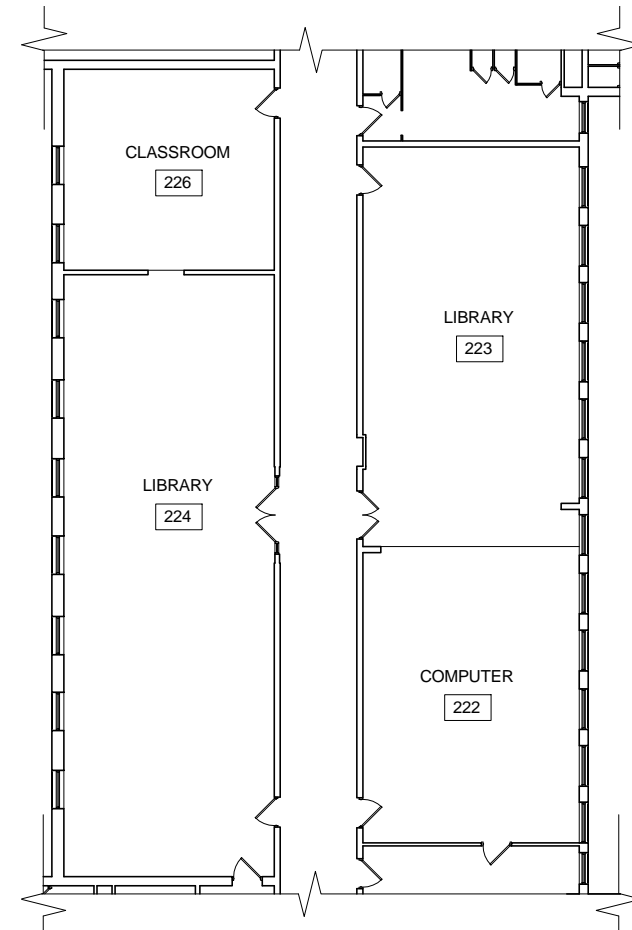
① FIRST FLOOR - AREA E.1
3/64" = 1'-0"



② FIRST FLOOR - AREA E.2
1" = 20'-0"



1 SECOND FLOOR - AREA A
3/64" = 1'-0"



1 SECOND FLOOR - AREA B
3/64" = 1'-0"

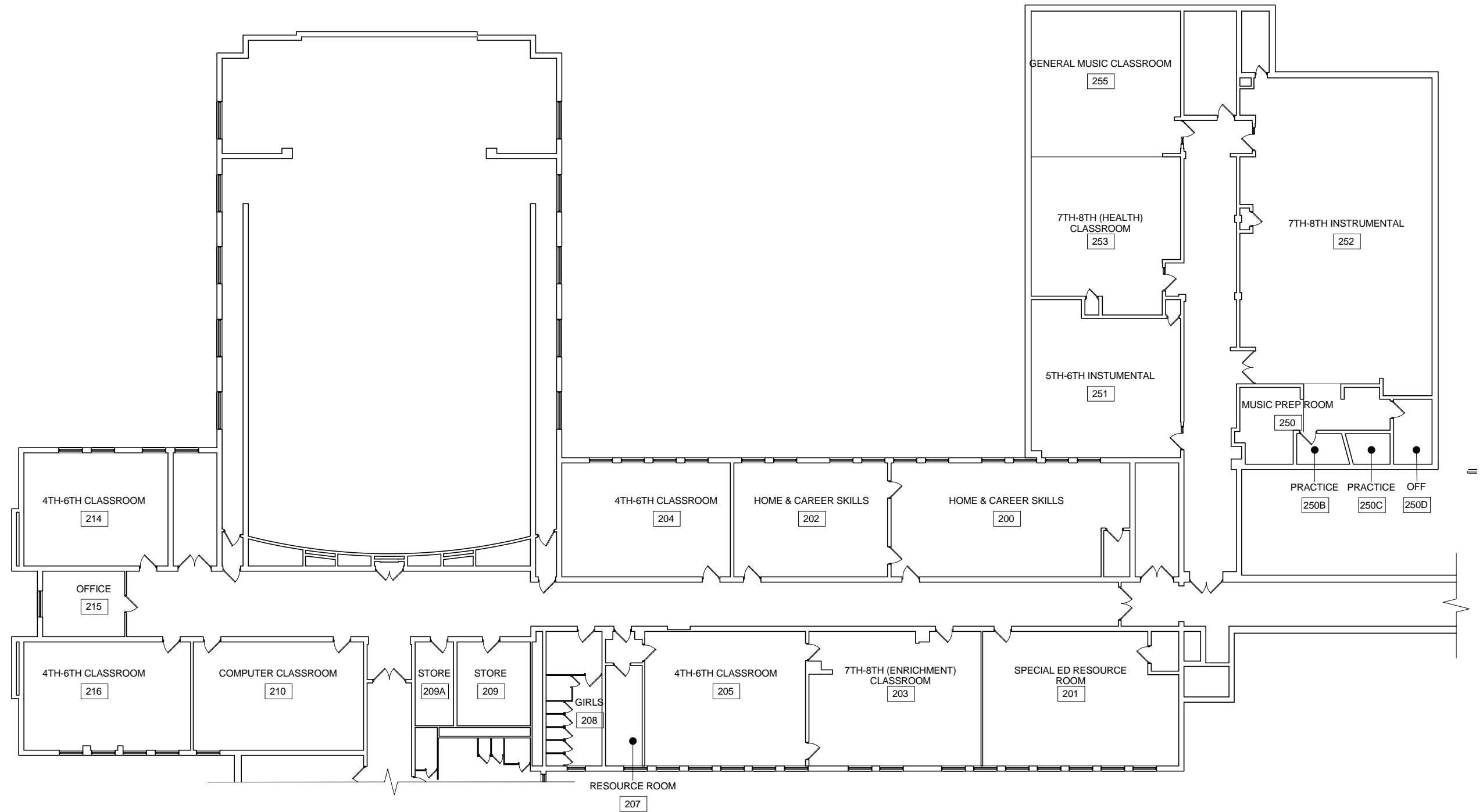


MARCELLUS CENTRAL SCHOOL DISTRICT
DRIVER MIDDLE SCHOOL

SECOND FLOOR - AREA B

MS 3.02

Scale 3/64" = 1'-0"



1 SECOND FLOOR - AREA C
3/64" = 1'-0"

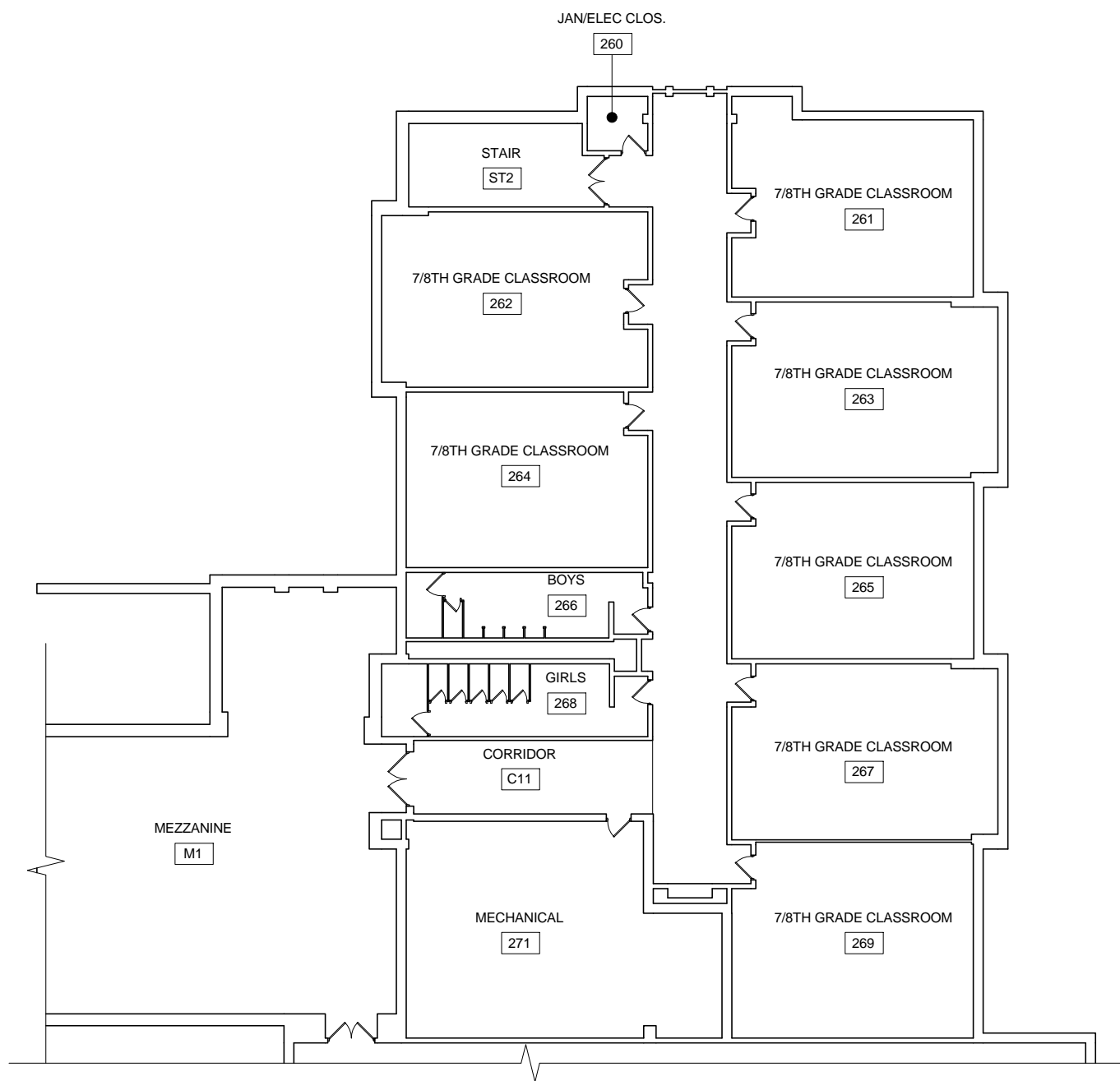


MARCELLUS CENTRAL SCHOOL DISTRICT
DRIVER MIDDLE SCHOOL

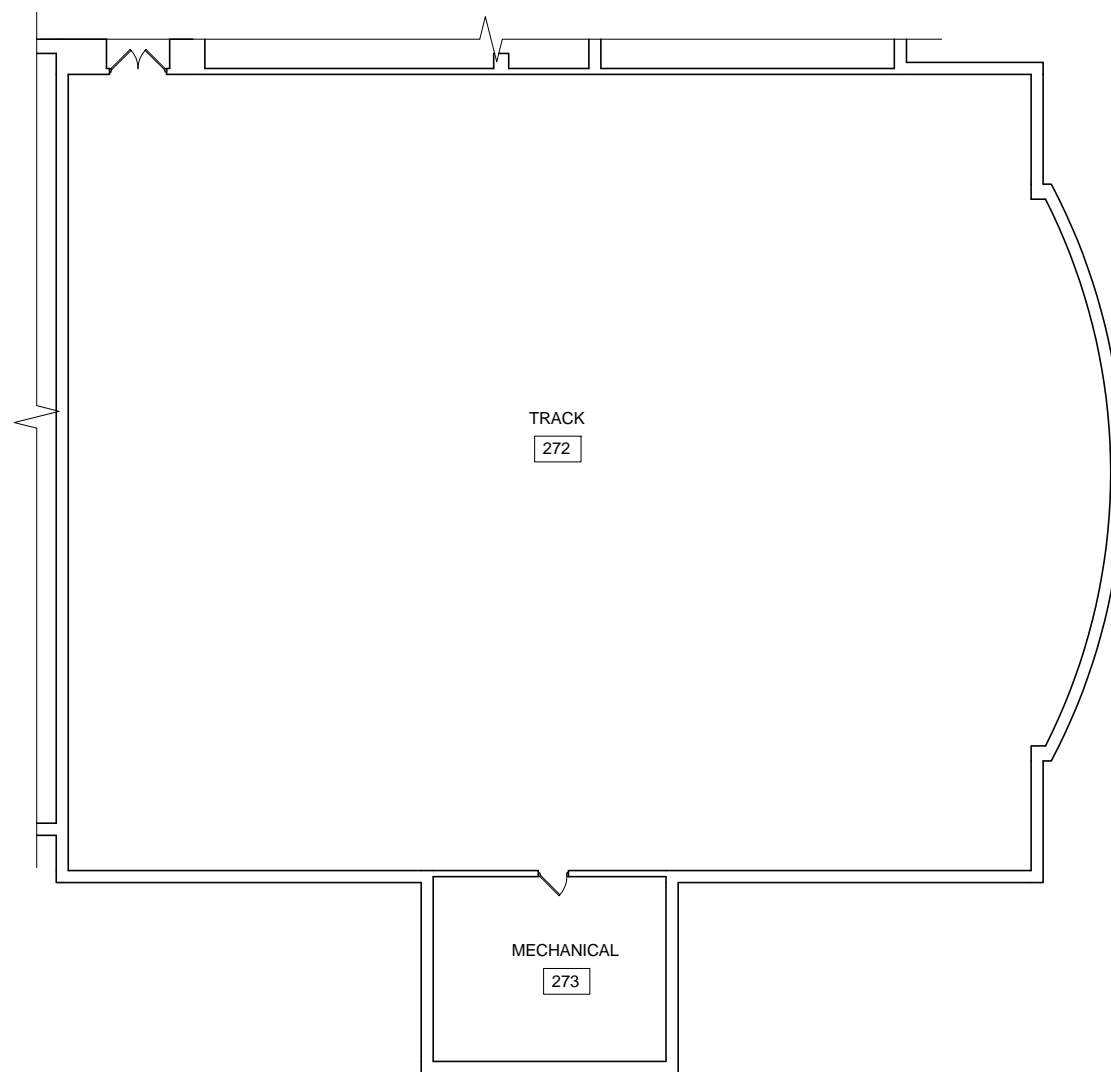
SECOND FLOOR - AREA C

MS 3.03

Scale 3/64" = 1'-0"



1 SECOND FLOOR - AREA E.1
3/64" = 1'-0"



2 SECOND FLOOR - AREA E.2
3/64" = 1'-0"

2015 Building Condition Survey Instrument - 2015 Building Conditions SurveyBuilding Information

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Building Information**1. Name of School District:**

MARCELLUS CSD

2. SED District 8-Digit BEDS Code:

421101060000

3. Building Name:

C.S. Driver Middle School

4. SED 4-Digit Facility Code:

0001

5. Survey Inspection Date:

11/03/2015

6. Building 911 Address:

2 Reed Parkway

7. City:

Marcellus

8. Zip Code:

13108

9. Certificate of Occupancy Status:

- ☒ A - Annual
☐ T - Temporary
☐ N - None

10. Certificate of Occupancy Expiration Date:

03/01/2017

Building Age, Gross Square Footage and Maintenance Staff**11. Year of Original Building:**

1936

12. Gross square ft. of Building as currently configured:

197,737

13. Number of Floors:

3

14. How many full-time and part-time custodians are employed at the school (or work in the building)?

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Building Information

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	Count Employees
Full-time custodians:	6
Part-time custodians:	0
Totals:	6.00

Building Ownership and Occupancy Status**15. Building Ownership (check one):**

- ☒ Owned and used by district
☐ Owned by District and leased to non-district entity
☐ Owned by District, part used by district, part leased to non-district entity
☐ Owned by non-district entity and leased to district

16. For which of the following purposes is the building currently used? (check all that apply)

- ☒ Used for student instructional purposes
☒ Used for district administration
☐ Used for other district purposes
☐ Used by other organization(s)

Building Users**17. How many students were registered to receive instruction in this building as of October 1, 2014? (If none, enter "0") and skip to "Program Spaces" section. (Do not include evening class students)**

690

18. Of these registered students, how many receive most of their instruction in:

	Quantity
18a. Permanent instructional spaces (i.e., regular classrooms)	690
18b. Temporary instructional spaces (i.e., portable or demountable classrooms) attached to the building	0
18c. Non-instructional spaces used as instructional spaces	0

18c.1 If the answer is greater than zero, which types of non-instructional spaces were being used for instructional purposes on October 1, 2014? (check all that apply)

- ☐ Cafeteria
☐ Gymnasium
☐ Administrative Spaces
☐ Library
☐ Lobby
☐ Stairwell
☐ Storage space
☐ Other (please describe)
☒ None

19. Grades Housed:

4-8

2015 Building Condition Survey Instrument - 2015 Building Conditions SurveyBuilding Information

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20. For how many instructional days during the 2013-14 school year (July 1 through June 30, was the building closed due to facilities failures, system malfunctions, structural problems, fire, etc? (if none, enter "0")

0

21. Is the building used for instructional purposes in the summer?

☒ Yes☐ No

22. Have there been renovations or construction in the building during the past 12 months?

☒ Yes☐ No

23. Was major construction/renovation work since 2010 conducted when school was in session?

☐ Yes☒ No

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Program Spaces

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Program Spaces**24. Number of instructional classrooms:**

46

25. Gross square footage of all instructional classrooms (combined):

32,407.00

26. Other spaces provided: (check all that apply)

- | | | |
|---|---|---|
| <input type="checkbox"/> a. N/A (none) | <input checked="" type="checkbox"/> j. Health Office | <input checked="" type="checkbox"/> s. Resource Rooms |
| <input checked="" type="checkbox"/> b. Administration | <input checked="" type="checkbox"/> k. Home & Careers | <input checked="" type="checkbox"/> t. Science Labs |
| <input checked="" type="checkbox"/> c. Art | <input checked="" type="checkbox"/> l. Kitchen | <input type="checkbox"/> u. Special Education |
| <input type="checkbox"/> d. Audio Visual | <input type="checkbox"/> m. Large Group Instruction | <input type="checkbox"/> v. Swimming Pool |
| <input checked="" type="checkbox"/> e. Auditorium | <input checked="" type="checkbox"/> n. Library | <input checked="" type="checkbox"/> w. Teacher Resource |
| <input checked="" type="checkbox"/> f. Cafeteria | <input type="checkbox"/> o. Multipurpose Rooms | <input type="checkbox"/> x. Technology/Shop |
| <input checked="" type="checkbox"/> g. Computer Room | <input checked="" type="checkbox"/> p. Music | <input type="checkbox"/> y. Other (please describe) |
| <input checked="" type="checkbox"/> h. Guidance | <input type="checkbox"/> q. Pre-K | |
| <input checked="" type="checkbox"/> i. Gymnasium | <input type="checkbox"/> r. Remedial Rooms | |

26y. Describe other spaces

(No Response)

Space Adequacy**27. Rating of space adequacy:**

- ☒ Good
☐ Fair
☐ Poor

27a. Enter comments:

(No Response)

28. Estimated capital construction expenses anticipated for this building through 2020-2021 school year excluding maintenance (to be answered after the building inspection is complete) \$

11,000,000.00

29. Overall building rating (to be answered after the building inspection is complete)

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Poor

30. Was overall building rating established after consultation with health and safety committee?

- ☒ Yes
☐ No

A/E Information:**31. A/E Firm Name:**

SEI Design Group Architects, DPC

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Program Spaces

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32. A/E Firm Address:

187 Wolf Road
Suite 304
Albany, NY 12205

33. A/E Firm Phone Number:

5184352467

34. E-mail:

msm@seidesigngroup.com

35. A/E Name:

Matthew S. Monaghan

36. A/E License #:

029199

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Site Utilities

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Site Utilities**37. Water**☒ Yes☐ No**37a. Type of Service:**☒ Municipal or Utility provided☐ Well☐ Other**37b. Condition:**☐ Excellent☒ Satisfactory☐ Unsatisfactory☐ Non-Functioning☐ Critical Failure**37c. Year of Last Major Reconstruction/Replacement:**

2008

37d. Expected Remaining Useful Life (Years):

35

37e. Cost to Reconstruct/Replace \$:

(No Response)

37f. Comments:

Problems with dirt in water causing BFP problems.

38. Site Sanitary (H)☒ Yes☐ No**38a. Type of Service:**☒ Municipal or utility sewer☐ Site septic☐ Other**38b. Condition:**☐ Excellent☒ Satisfactory☐ Unsatisfactory☐ Non-Functioning☐ Critical Failure**38c. Year of Last Major Reconstruction/Replacement:**

2000

38d. Expected Remaining Useful Life (Years):

30

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Site Utilities

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38e. Cost to reconstruct/Replace \$:

(No Response)

38f. Comments:

(No Response)

39. Site Gas (H)☒ Yes☐ No**39a. Type of gas service:**☒ Natural Gas☐ Liquid Petroleum**39b. Condition:**☐ Excellent☒ Satisfactory☐ Unsatisfactory☐ Non-Functioning☐ Critical Failure**39c. Year of Last Major Reconstruction/Replacement;**

1990

39d. Expected Remaining Useful Life (Years):

20

39e. Cost to Reconstruct/Replace \$:

(No Response)

39f. Comments:

(No Response)

40. Site Fuel Oil (H)☐ Yes☒ No**41. Site Electrical, Including Exterior Distribution (H)**☐ Yes☒ No**Stormwater Management****42. Closed Drainage Pipe Stormwater Management System****42a. Does this facility have a closed pipe system?**☒ Yes☐ No

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Site Utilities

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42b. Condition:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

42c. Year of Last Major Reconstruction/Replacement:

1936

42d. Expected Remaining Useful Life (Years):

5

42e. Cost to Reconstruct/Replace \$:

250,000.00

42f. Comments:

West end drainage improvements.

43. Open Drainage Pipe Stormwater Management System

43a. Does this facility have an open stormwater system (ditch)?

- ☐ Yes
☒ No

44. Catch Basins/Drop Inlets/Manholes

44a. Does this facility have catch basins/drop inlets/manholes?

- ☒ Yes
☐ No

44b. Condition:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

44c. Year of Last Major Reconstruction/Replacement:

2009

44d. Expected Remaining Useful Life (Years):

25

44e. Cost to Reconstruct/Replace \$:

125,000.00

44f. Comments:

Replace brick risers, provide concrete aprons, structure on NW corner.

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Site Utilities

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45. Culverts**45a. Does this facility have culverts?**

- ☐ Yes
☒ No

46. Outfalls**46a. Does this facility have outfalls?**

- ☐ Yes
☒ No

47. Infiltration Basins/Chambers**47a. Does this facility have infiltration basins/chambers?**

- ☐ Yes
☒ No

48. Retention Basins**48a. Does this facility have retention basins?**

- ☐ Yes
☒ No

49. Wetponds**49a. Does this facility have wetponds?**

- ☐ Yes
☒ No

50. Manufactured Stormwater Proprietary Units**50a. Does this facility have proprietary units?**

- ☐ Yes
☒ No

51. Point of Outfall Discharge: (check all that apply)

- ☐ Municipal storm sewer system
☐ Combined sewer system
☒ Surface Water
☐ On-site recharge
☐ Other (describe)
☐ Not Applicable

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Site Utilities

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52. Outfall Reconnaissance Inventory

Were all stormwater outfalls inspected during dry weather for signs of non-stormwater discharge?

- ☒ Yes
- ☐ No
- ☐ Not Applicable

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Other Site Features

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Other Site Features**53. Pavement (Roadways and Parking Lots)**

- ☒ Yes
☐ No

53a. Type: (check all that apply)

- ☐ Concrete
☒ Asphalt
☐ Gravel
☐ Other
☐ None

53b. Condition:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

53c. Year of Last Major Reconstruction/Replacement:

2010

53d. Expected Remaining Useful Life (Years):

10

53e. Cost to Reconstruct/Replace \$:

216,000.00

53f. Comments:

Mill and top east lot, replace west end pavement and curb, reset curb.

54. Sidewalks

- ☒ Yes
☐ No

54a. Type: (check all that apply)

- ☒ Concrete
☒ Asphalt
☐ Paver
☐ Other

54b. Condition:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

54c. Year of Last Major Reconstruction/Replacement:

2010

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Other Site Features

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54d. Expected Remaining Useful Life (Years):

15

54e. Cost to Reconstruct/Replace \$:

129,000.00

54f. Comments:

Concrete ramps on east end, replace asphalt walks and west walks.

55. Playgrounds and Playground Equipment☒ Yes☐ No**55a. Condition:**☐ Excellent☒ Satisfactory☐ Unsatisfactory☐ Non-Functioning☐ Critical Failure**55b. Year of Last Major Reconstruction/Replacement:**

2010

55c. Expected Remaining Useful Life (Years):

15

55d. Cost to Reconstruct/Replace \$:

(No Response)

55e. Comments:

(No Response)

56. Athletic Fields and Play Fields☒ Yes☐ No**56a. Condition:**☐ Excellent☒ Satisfactory☐ Unsatisfactory☐ Non-Functioning☐ Critical Failure**56b. Year of Last Major Reconstruction/Replacement:**

2006

56c. Expected Remaining Useful Life (Years):

25

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Other Site Features

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56d. Cost to Reconstruct/Replace \$:

4,000.00

56e. Comments:

Replace baseball player fencing.

56f. Does the facility have synthetic turf field(s)☐ Yes☒ No**56f.1 If Yes, how many synthetic turf fields?**

(No Response)

56f.2 Expected Remaining Useful Life of Synthetic Turf Field(s):

(No Response)

56f.3 Type of synthetic turf field infill:

(No Response)

57. Exterior Bleachers / Stadiums☐ Yes☒ No**58. Related Structures (such as Press Boxes, Dugouts, Climbing Walls, etc.)**☐ Yes☒ No

2015 Building Condition Survey Instrument - 2015 Building Conditions SurveySubstructure

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Substructure**59. Foundation (S)****59a. Type (check all that apply):**

- ☒ Reinforced Concrete
- ☐ Masonry on Concrete Footing
- ☐ Other

59b. Evidence of structural concerns (check all that apply):

- ☐ Structural Cracks
- ☐ Heaving/Jacking
- ☐ Decay/Corrosion
- ☐ Water Penetration
- ☐ Unsupported Ends
- ☐ Other
- ☒ None

59c. Condition:

- ☐ Excellent
- ☒ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

59d. Year of Last Major Reconstruction/Replacement:

2006

59e. Expected Remaining Useful Life (Years):

20

59f. Cost to Reconstruct/Replace \$:

(No Response)

59g. Comments:

(No Response)

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Building Envelope

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BUILDING ENVELOPE**60. Structural Floors (S)****60a. Type (check all that apply):**

- ☒ Reinforced Concrete Slab on Grade
- ☒ Concrete/Metal Deck/Metal Joists
- ☒ Precast Concrete Structural System
- ☐ Wood Deck on Wood Trusses
- ☐ Wood Deck on Wood Joists
- ☐ Concrete Deck on Wood Structure
- ☐ Other (specify)

60b. Evidence of Structural Concerns with Floor Support System (Beams/Joists/Trusses, etc.) (check all that apply):

- ☐ Structural Cracks
- ☐ Unsupported Ends
- ☐ Rot/Decay/Corrosion
- ☐ Deflection
- ☐ Seriously Damaged/Missing Components
- ☐ Other Problems
- ☒ None

60b.1 Describe Other Problems:

(No Response)

60c. Evidence of Structural Concerns with Structural Floor Deck (check all that apply):

- ☐ Cracks
- ☐ Deflection
- ☐ Rot/Decay/Corrosion
- ☒ None

60d. Overall Condition of Structural Floors:

- ☐ Excellent
- ☒ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

60e. Year of Last Major Reconstruction/Replacement:

2006

60f. Expected Remaining Useful Life (Years):

10

60g. Cost to Reconstruct/Replace \$:

(No Response)

60h. Comments:

(No Response)

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Building Envelope

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61. Exterior Walls/Columns (S)**61a. Material (check all that apply):**

- ☐ Concrete
- ☒ Masonry
- ☐ Steel
- ☐ Wood
- ☐ Other (specify)

61b. Evidence of Structural Concerns with Support System (columns, base plates, connections, etc.) (check all that apply):

- ☐ Structural Cracks
- ☐ Rot/Decay/Corrosion
- ☐ Other Problems
- ☒ None

61b.1 Describe Other Problems:

(No Response)

61c. Evidence of Concerns with Exterior Cladding (check all that apply):

- ☐ Cracks/Gaps
- ☐ Inadequate Flashing
- ☐ Efflorescence
- ☐ Moisture Penetration
- ☐ Rot/Decay/Corrosion
- ☐ Other Problems
- ☒ None

61c.1 Describe Other Problems:

(No Response)

61d. Overall Condition of Exterior Walls/Columns:

- ☐ Excellent
- ☒ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

61e. Year of Last Major Reconstruction/Replacement:

2006

61f. Expected Remaining Useful Life (Years):

10

61g. Cost to Reconstruct/Replace \$:

(No Response)

61h. Comments:

(No Response)

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Building Envelope

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62. Chimneys (S)

- ☒ Yes
☐ No

62a. Material (check all that apply):

- ☒ Masonry
☐ Concrete
☐ Metal
☐ Wood
☐ Other

62a.1 Specify other:

(No Response)

62b. Overall Condition of Chimneys:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical failure

62c. Year of Last Major Reconstruction/Replacement:

1988

62.d Expected Remaining Useful Life (Years):

10

62e. Cost to Reconstruct/Replace \$:

(No Response)

62f. Comments:

(No Response)

63. Parapets (S)

- ☐ Yes
☒ No

63f. Comments:

(No Response)

64. Exterior Doors**64a. Overall Condition of Exterior Door Units:**

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

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Building Envelope

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64b. Overall condition of exterior door hardware:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

64c. Do any exterior doors have magnetic locking devices?

- ☐ Yes
☒ No

64d. Safety/Security features are adequate?

- ☒ Yes
☐ No

64e. Year of Last Major Reconstruction/Replacement:

2006

64f. Expected Remaining Useful Life (Years):

15

64g. Cost to Reconstruct/Replace \$:

30,000.00

64h. Comments:

Replace older exterior doors and hardware.

65. Exterior Steps, Stairs, Ramps (S)

- ☒ Yes
☐ No

65a. Overall Condition of Exterior Steps, Stairs and Ramps

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

65b. Year of Last Major Reconstruction/Replacement:

2010

65c. Expected Remaining Useful Life (Years):

10

65d. Cost to Reconstruct/Replace \$:

550,000.00

65e. Comments:

Reset front stairs, ADA access to courtyard, replace stairs to upper field.

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Building Envelope

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66. Fire Escapes (S)**66a. Does This Facility Have One or More Fire Escapes?**

- ☐ Yes
☒ No

67. Windows

- ☒ Yes
☐ No

67a. Window Material: (check all that apply)

- ☒ Aluminum
☐ Steel
☐ Vinyl
☒ Solid Wood
☐ Wood w/ External Cladding System
☐ Other

67b. Overall Condition of Windows:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

67c. All Rescue Windows are Operable:

- ☒ Yes
☐ No
☐ N/A

67d. Year of Last Major Reconstruction/Replacement:

2006

67e. Expected Remaining Useful Life (Years):

25

67f. Cost to Reconstruct/Replace \$:

835,000.00

67g. Comments:

replace original building windows.

Roof and Skylights (S)**68. Roof and Skylights (S)**

- ☒ Yes
☐ No

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Building Envelope

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68a. Type of roof construction (check all that apply):

- ☒ Metal deck on metal trusses/joists
- ☐ Wood deck on wood trusses/joists
- ☐ Wood deck on metal trusses/joists
- ☒ Concrete on metal deck on metal trusses/joists
- ☐ Other (describe below)

68a.1 Other roof construction type:

(No Response)

68b. Type of roofing material (check all that apply):

- ☒ Single-ply membrane
- ☐ Built-up
- ☐ Asphalt shingle
- ☒ Pre-formed metal
- ☐ IRMA
- ☐ Slate
- ☒ Other (describe below)

68b.1 Other roofing material:

(No Response)

68c. Evidence of structural concerns with roof support system (beams/joists/trusses, etc.) (check all that apply):

- ☐ Structural cracks
- ☐ Unsupported ends
- ☐ Rot/Decay/Corrosion
- ☐ Deflection
- ☐ Seriously damaged/missing components
- ☐ Other concerns (describe)
- ☒ None

68c.1 Describe other concerns:

(No Response)

68d. Evidence of structural concerns with roof deck (check all that apply):

- ☐ Cracks
- ☐ Deflection
- ☐ Rot/Decay/Corrosion
- ☒ None

68e. Does this facility have skylights?

- ☒ Yes
- ☐ No

68f. Skylight material (check all that apply):

- ☐ Plastic
- ☒ Glass
- ☐ Other
- ☐ N/A

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Building Envelope

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68g. Overall condition of skylights:

- ☐ Excellent
- ☒ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

68h. Evidence of concerns with roofing, skylights, flashings, and drains (check all that apply):

- ☐ Failures/Splits/Cracks
- ☐ Rot/Decay/Corrosion
- ☐ Inadequate flashing/curbs/pitch pockets
- ☐ Inadequate or poorly functioning roof drains
- ☐ Evidence of water penetration/active leaks
- ☐ Other (specify)
- ☒ None

68h.1 Specify other concerns:

(No Response)

68i. Overall Condition of Roof and Skylights:

- ☐ Excellent
- ☒ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

68j. Year of Last Major Reconstruction/Replacement:

2009

68k. Expected Remaining Useful Life (Years):

15

68l. Cost to Reconstruct/Replace \$:

(No Response)

68m. Comments:

(No Response)

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Interior Spaces

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INTERIOR SPACES**69. Interior Bearing Walls and Fire Walls (\$)**☒ Yes☐ No**69a. Overall condition of interior bearing walls and fire walls:**☐ Excellent☒ Satisfactory☐ Unsatisfactory☐ Non-functioning☐ Critical Failure**69b. Year of Last Major Reconstruction/Replacement:**

2006

69c. Expected Remaining Useful Life (Years):

15

69d. Cost to Reconstruct/Replace \$:

(No Response)

69e. Comments:

(No Response)

Other Interior Walls**70. Other Interior Walls**☒ Yes☐ No**70a. Overall condition of other interior walls:**☐ Excellent☒ Satisfactory☐ Unsatisfactory☐ Non-Functioning☐ Critical Failure**70b. Year of Last Major Reconstruction/Replacement:**

2009

70c. Expected Remaining Useful Life (Years):

15

70d. Cost to Reconstruct/Replace \$:

(No Response)

70e. Comments:

(No Response)

Floor Finishes

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Interior Spaces

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71. Carpet

- ☒ Yes
☐ No

71a. Where located (check all that apply):

- ☐ Instructional Space
☒ Common Area

71b. Condition:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

71c. Year of Last Major Reconstruction/Replacement:

2010

71d. Expected Remaining Useful Life (Years):

10

71e. Cost to Reconstruct/Replace \$:

(No Response)

71f. Comments:

(No Response)

72. Resilient Tiles or Sheet Flooring

- ☒ Yes
☐ No

72a. Where located (check all that apply):

- ☒ Instructional Space
☐ Common Area

72b. Overall condition of resilient tiles or sheet flooring:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

72c. Year of Last Major Reconstruction/Replacement:

2006

72d. Expected Remaining Useful Life (Years):

10

72e. Cost to Reconstruct/Replace \$:

63,000.00

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Interior Spaces

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72f. Comments:

Replace selected flooring, resolve cracking.

73. Hard Flooring (concrete; ceramic tile; stone; etc)☒ Yes☐ No**73a. Where located (check all that apply):**☐ Instructional Space☒ Common Area**73b. Overall condition of hard flooring:**☐ Excellent☒ Satisfactory☐ Unsatisfactory☐ Non-Functioning☐ Critical Failure**73c. Year of Last Major Reconstruction/Replacement:**

2006

73d. Expected Remaining Useful Life (Years):

15

73e. Cost to Reconstruct/Replace \$:

(No Response)

73f. Comments:

(No Response)

74. Wood Flooring☒ Yes☐ No**74a. Where located (check all that apply):**☒ Instructional Space☒ Common Area**74b. Overall condition of wood flooring:**☐ Excellent☒ Satisfactory☐ Unsatisfactory☐ Non-Functioning☐ Critical Failure**74c. Year of Last Major Reconstruction/Replacement:**

2006

74d. Expected Remaining Useful Life (Years):

15

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Interior Spaces

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74e. Cost to Reconstruct/Replace \$:

(No Response)

74f. Comments:

(No Response)

Ceilings (H)

75. Ceilings (H)

☒ Yes☐ No

75a. Overall condition of ceilings:

☐ Excellent☒ Satisfactory☐ Unsatisfactory☐ Non-Functioning☐ Critical Failure

75b. Year of Last Major Reconstruction/Replacement:

2006

75c. Expected Remaining Useful Life (Years):

2

75d. Cost to Reconstruct/Replace \$:

63,000.00

75e. Comments:

Replace concealed spline ceilings.

Lockers

76. Lockers

☒ Yes☐ No

76a. Overall condition of lockers:

☐ Excellent☒ Satisfactory☐ Unsatisfactory☐ Non-Functioning☐ Critical Failure

76b. Year of Last Major Reconstruction/Replacement:

2006

76c. Expected Remaining Useful Life (Years):

15

76d. Cost to Reconstruct/Replace \$:

(No Response)

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Interior Spaces

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76e. Comments:

(No Response)

Interior Doors**77. Interior Doors**

- ☒ Yes
☐ No

77a. Overall condition of interior door units:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

77b. Overall condition of interior door hardware:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

77c. Year of Last Major Reconstruction/Replacement:

2006

77d. Expected Remaining Useful Life (Years):

15

77e. Cost to Reconstruct/Replace \$:

10,000.00

77f. Comments:

Reinforce and restore leaded glasses.

Interior Stairs (S)**78. Interior Stairs (S)**

- ☒ Yes
☐ No

78a. Overall condition of interior stairs:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

78b. Year of Last Major Reconstruction/Replacement:

2006

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Interior Spaces

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78c. Expected Remaining Useful Life (Years):

20

78d. Cost to Reconstruct/Replace \$:

(No Response)

78e. Comments:

(No Response)

Elevator, Lifts and Escalators (H)**79. Elevator, Lift, and Escalators (H)**

- ☒ Yes
☐ No

79a. Overall condition of elevators, lifts, escalators:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

79b. Year of Last Major Reconstruction/Replacement:

2003

79c. Expected Remaining Useful Life (Years):

15

79d. Cost to Reconstruct/Replace \$

(No Response)

79e. Comments:

(No Response)

Interior Electrical Distribution (H)**80. Interior Electrical Distribution (H)**

- ☒ Yes
☐ No

80a. Interior electrical supply meets current needs:

- ☒ Yes
☐ No

80b. Condition of interior electrical distribution:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

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80c. Year of Last Major Reconstruction/Replacement:

2009

80d. Expected Remaining Useful Life (Years):

10

80e. Cost to Reconstruct/Replace \$:

9000

80f. Comments:

Replace remaining obsolete secondary panelboards and add additional convenience power.

Lighting Fixtures**81. Interior Lighting Fixtures**☒ Yes☐ No**81a. Condition of interior lighting fixtures:**☐ Excellent☒ Satisfactory☐ Unsatisfactory☐ Non-Functioning☐ Critical Failure**81b. Year of Last Major Reconstruction/Replacement:**

2009

81c. Expected Remaining Useful Life (Years):

10

81d. Cost to Reconstruct/Replace \$:

200,000.00

81e. Comments:

Replace theatrical lighting.

Communication Systems (H)**82. Communication Systems (H)**☒ Yes☐ No**82a. Communication systems are adequate:**☒ Yes☐ No

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Interior Spaces

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82b. Condition of communication systems:

- ☐ Excellent
- ☒ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

82c. Year of Last Major Reconstruction/Replacement:

2011

82d. Expected Remaining Useful Life (Years):

5

82e. Cost to Replace/Reconstruct \$:

65000

82f. Comments:

VoIP added. PA head end nearing end of useful life.

Swimming Pool and Swimming Pool Systems**83. Swimming Pool and Swimming Pool Systems**

- ☐ Yes
- ☒ No

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Plumbing (Excluding HVAC Systems)

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PLUMBING**84. Water Distribution System (H)**

- ☒ Yes
☐ No

84a. Types of pipes (check all that apply):

- ☐ Iron
☒ Galvanized
☒ Copper
☐ Lead
☐ PVC
☐ Other

84b. Overall condition of water distribution system:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

84c. Year of Last Major Reconstruction/Replacement:

2006

84d. Expected Remaining Useful Life (Years):

0

84e. Cost to Reconstruct/Replace \$:

230,000.00

84f. Comments:

Replace original galvanized CW, HW, HWR and branch piping including isolation valves.

Plumbing Drainage System (H)**85. Plumbing Drainage System (H)**

- ☒ Yes
☐ No

85a. Types of pipes (check all that apply):

- ☒ Iron
☐ Galvanized
☒ Copper
☐ Lead
☒ PVC
☐ Other

85b. Overall condition of drainage system:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

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Plumbing (Excluding HVAC Systems)

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85c. Year of Last Major Reconstruction/Replacement:

2006

85d. Expected Remaining Useful Life (Years):

0

85e. Cost to Reconstruct/Replace \$:

120,000.00

85f. Comments:

Gym locker rooms and boiler room under floor sanitary system requires replacement.

Hot Water Heaters (H)**86. Hot Water Heaters (H)**☒ Yes☐ No**86a. Type of fuel (check all that apply):**☐ Oil☒ Natural Gas☐ Electricity☐ Propane☐ Other**86b. Overall condition of hot water heaters:**☐ Excellent☒ Satisfactory☐ Unsatisfactory☐ Non-Functioning☐ Critical Failure**86c. Year of Last Major Reconstruction/Replacement:**

2013

86d. Expected Remaining Useful Life (Years):

15

86e. Cost to Reconstruct/Replace \$:

(No Response)

86f. Comments:

(No Response)

Plumbing Fixtures**87. Plumbing Fixtures**☒ Yes☐ No

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Plumbing (Excluding HVAC Systems)

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87a. Overall condition of plumbing fixtures (including toilets, urinals, lavatories, etc):

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

87b. Year of Last Major Reconstruction/Replacement:

2006

87c. Expected Remaining Useful Life (Years):

0

87d. Cost to Reconstruct/Replace \$:

8,000.00

87e. Comments:

Replace sinks in gang toilets.

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HVAC Systems

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HVAC SYSTEMS**88. HVAC Systems Type****88a. Does this building have a central HVAC system?**

- ☐ Yes
☒ No

Heat Generating Systems (H)**88b.1 Other central HVAC system technology:**

(No Response)

89. Heat Generating Systems (H)

- ☒ Yes
☐ No

89a. Heat generation source (check all that apply):

- ☐ Boiler / Hot Water
☒ Boiler / Steam
☐ Furnace / Forced Air
☐ Unit Ventilation
☐ Geothermal
☐ Biomass
☐ Electric
☐ Other (describe below)

89a.1 Other heat generation source:

(No Response)

89b. Overall condition of heat generating systems:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

89c. Year of Last Major Reconstruction/Replacement:

2006

89d. Expected Remaining Useful Life (Years):

5

89e. Cost to Reconstruct/Replace \$:

(No Response)

89f. Comments:

Boilers are 27 years old, 1 was retubed.

Heating Fuel/Energy Systems (H)

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HVAC Systems

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90. Heating Fuel / Energy Systems (H)

- ☒ Yes
☐ No

90a. Overall condition of heating fuel / energy systems:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

90b. Year of Last Major Reconstruction/Replacement:

1988

90c. Expected Remaining Useful Life (Years):

10

90d. Cost to Reconstruct/Replace \$:

(No Response)

90e. Comments:

(No Response)

Cooling/Air Conditioning Generating Systems**91. Cooling / Air-Conditioning Generating Systems**

- ☒ Yes
☐ No

91a. Overall condition of cooling/air-conditioning generating systems:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

91b. Year of Last Major Reconstruction/Replacement:

2009

91c. Expected Remaining Useful Life (Years):

15

91d. Cost to Reconstruct/Replace \$:

115,000.00

91e. Comments:

Add A/C to computer labs and closets.

AIR HANDLING AND VENTILATION EQUIPMENT

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HVAC Systems

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92. Air Handling and Ventilation Equipment: Supply Units, Exhaust Units, Relief/Return Units, etc. (H)

- ☒ Yes
☐ No

92a. Overall condition of air handling and ventilation systems:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

92b. Year of Last Major Reconstruction/Replacement:

2006

92c. Expected Remaining Useful Life (Years):

10

92d. Cost to Reconstruct/Replace \$:

195,000.00

92e. Comments:

Clean original air handling systems, add ventilation and A/C to district office, add ventilation.

Piped Heating and Cooling Distribution Systems**93. Piped Heating and Cooling Distribution Systems: Piping, Pumps, Radiators, Convectorss, Traps, Insulation, etc. (H)**

- ☒ Yes
☐ No

93a. Overall condition of piped heating and cooling distribution systems:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

93b. Year of Last Major Reconstruction/Replacement:

2009

93c. Expected Remaining Useful Life (Years):

20

93d. Cost to Reconstruct/Replace \$:

284,600.00

93e. Comments:

Replace boiler feed tank, replace oroginal steam traps, rc-insulate existing steam and condensate piping.

Ducted Heating and Cooling Distribution Systems

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HVAC Systems

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94. Ducted Heating and Cooling Distribution Systems: Ductwork, Control Dampers, Fire/Smoke Dampers, VAVs, Insulation, etc. (H)

- ☒ Yes
☐ No

94a. Overall condition of ducted heating and cooling distribution systems:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

94b. Year of Last Major Reconstruction/Replacement:

1990

94c. Expected Remaining Useful Life (Years):

15

94d. Cost to Reconstruct/Replace \$:

25,000.00

94e. Comments:

Clean original ductwork systems.

HVAC Control Systems**95. HVAC Control Systems (H)**

- ☒ Yes
☐ No

95a. Overall condition of control systems:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

95b. Year of Last Major Reconstruction/Replacement:

2009

95c. Expected Remaining Useful Life (Years):

15

95d. Cost to Reconstruct/Replace \$:

300,000.00

95e. Comments:

Replace pneumatic DDC controls with electronic DDC controls.

2015 Building Condition Survey Instrument - 2015 Building Conditions SurveyFire Safety Systems

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Fire Safety Systems**96. Fire Alarm Systems (H)**

- ☒ Yes
☐ No

96a. Overall condition of fire alarm system:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

96b. Year of Last Major Reconstruction/Replacement:

2007

96c. Expected Remaining Useful Life (Years):

10

96d. Cost to Reconstruct/Replace \$:

30,000.00

96e. Comments:

Add strobes to classrooms.

Smoke Detection System (H)**97. Smoke Detection Systems (H)**

- ☒ Yes
☐ No

97a. Overall condition of smoke detection systems:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

97b. Year of Last Major Reconstruction/Replacement:

2007

97c. Expected Remaining Useful Life (Years):

10

97d. Cost to Reconstruct/Replace \$:

10,000.00

97e. Comments:

Add heat detectors in storage areas in basement.

Fire Suppression Systems

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Fire Safety Systems

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98. Fire Suppression Systems: Sprinklers, Standpipes, Kitchen Hoods, etc. (H)

- ☒ Yes
☐ No

98a. Overall condition of fire suppression systems:

- ☒ Excellent
☐ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

98b. Year of Last Major Reconstruction/Replacement:

2007

98c. Expected Remaining Useful Life (Years):

25

98d. Cost to Reconstruct/Replace \$:

25,000.00

98e. Comments:

Fire suppression missing at kitchen.

Emergency/Exit Lighting Systems**99. Emergency / Exit Lighting Systems (H)**

- ☒ Yes
☐ No

99a. Overall condition of emergency / exit lighting systems:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

99b. Year of Last Major Reconstruction/Replacement:

2007

99c. Expected Remaining Useful Life (Years):

5

99d. Cost to Reconstruct/Replace \$:

60,000.00

99e. Comments;

Revise various corridor fixtures to be on EM. Add emergency lighting at exit discharge in original building.

Emergency/Standby Power Systems

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Fire Safety Systems

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100. Emergency or Standby Power System (H)

☐ Yes

☒ No

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Accessibility

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ACCESSIBILITY**101. Exterior Accessible Route (H)**

People with disabilities should be able to arrive on site, approach the building, and enter as freely as everyone else. At least one route of travel should be safe and accessible for everyone, including people with disabilities. This route must include handicapped parking, curb cuts, ramps, and automatic door operators as necessary to enter the building.

Is there an accessible exterior route as specified above?

- ☒ Yes
☐ No

102. Interior Accessible Route, Access to Goods and Services, and Restroom Facilities (H)

The layout of the building should allow people with disabilities to obtain materials or services and use the facilities without assistance. This should include access to general purpose and specialized classrooms, public assembly spaces (such as libraries, gymnasiums, auditoriums), nurse's office, main office, and restroom facilities. Services include drinking fountains, telephones, and other amenities.

Is there an accessible interior route as specified above?

- ☒ Yes
☐ No

103. Additional Information on Accessibility

If the building lacks accessible interior or exterior routes:

103a. Cost of improvements needed to provide accessible exterior and interior routes as specified above \$:

(No Response)

103b. Comments:

(No Response)

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Environment/Comfort/Health

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ENVIRONMENT/COMFORT/HEALTH**104. General Appearance****104a. Overall Rating:**

- ☒ Good
☐ Fair
☐ Poor

104b. Comments:

(No Response)

105. Cleanliness**105a. Overall Rating:**

- ☒ Good
☐ Fair
☐ Poor

105b. Comments:

(No Response)

106. Are there walk off mats; grills in the entryway?

- ☒ Yes
☐ No

106a. If yes: at least 6 feet long?

- ☒ Yes
☐ No

107. Is there noise in classrooms from HVAC units, traffic, etc. that may impact education?

- ☐ Yes
☒ No

108. Lighting Quality:**108a. Types of lighting in general purpose classrooms (check all that apply):**

- ☒ Daylight
☒ Fluorescent-not full spectrum
☐ Fluorescent full spectrum
☒ Incandescent
☐ Other (describe)

108b. Are there blinds in the classroom to prevent glare?

- ☒ Yes
☐ No

108c. Overall Rating:

- ☐ Good
☒ Fair
☐ Poor

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Environment/Comfort/Health

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108d. Comments:

(No Response)

109. Evidence of Vermin

109a. Is there evidence of active infestations of...(check all that apply)?

- ☐ Rodents
- ☐ Wood-boring or Wood-eating Insects
- ☐ Cockroaches
- ☐ Other Vermin
- ☒ None

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Indoor Air Quality

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Indoor Air Quality**110. Mold****110a. Is there visible mold or moldy odors?**

- ☐ Yes
☒ No

110c. Are any surfaces constructed of any of the following materials?

- ☒ Paper-faced or gypsum products
☒ Cellulose products (typically ceiling tiles)

110d. Estimated cost of necessary improvements \$:

(No Response)

110d. Comments:

(No Response)

111. Humidity/Moisture**111a. Overall rating of humidity/moisture condition in building:**

- ☒ Good
☐ Fair
☐ Poor

111b. Are any of the following found in/or around classroom areas (check all that apply)?

- ☐ Active leaks in roof
☐ Active leaks in plumbing
☐ Moisture condensation
☐ Visible stains or water damage
☒ None

111c. Are any of the following found in/or around other areas (check all that apply)?

- ☐ Active leaks in roof
☐ Active leaks in plumbing
☐ Moisture condensation
☐ Visible stains or water damage
☒ None

112. Ventilation: fresh air intake locations, air filters, etc.**112a. Are fresh air intakes near the bus loading, truck delivery, or garbage storage/disposal areas?**

- ☐ Yes
☒ No

112b. Is there accumulated dirt, dust or debris around fresh air intakes?

- ☐ Yes
☒ No

112c. Are fresh air intakes free of blockage?

- ☒ Yes
☐ No

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Indoor Air Quality

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112d. Is accumulated dirt, dust or debris in ductwork?

- ☒ Yes
☐ No

112e. Are dampers functioning as designed?

- ☐ Yes
☒ No

112f. Condition of air filters:

- ☐ Good
☒ Fair
☐ Poor

112g. Outside air is adequate for occupant load:

- ☐ Yes
☒ No

112h. Rating of ventilation/indoor air quality:

- ☐ Good
☒ Fair
☐ Poor

112i. Comments:

(No Response)

113. Indoor Air Quality (IAQ) Plan**113a. Does the school district use EPA's Tools for Schools program?**

- ☐ Yes
☒ No

113b. If No, is some other IAQ management plan used?

- ☒ Yes
☐ No

113c. Has the District assigned IAQ responsibilities to a designated individual?

- ☒ Yes
☐ No

113c.1 If Yes, what is their job title?

Health and Safety Officer.

114. Does the school practice IPM?

- ☒ Yes
☐ No

114a. Is vegetation kept one foot away from the building?

- ☒ Yes
☐ No

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Indoor Air Quality

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114b. Are crevices and holes in walls, floors and pavement sealed or eliminated?

- ☒ Yes
☐ No

114c. Is there a certified pesticide applicator on staff?

- ☐ Yes
☒ No

114d. Are pesticides used in the building?

- ☐ Yes
☒ No

114d.1 If Yes, how are they typically applied?

- ☐ Spot treatment
☐ Area wide treatments

114e. Are pesticides used on the grounds?

- ☐ Yes
☒ No

114e.1 If Yes, was an emergency exemption granted by the Board of Education?

- ☐ Yes
☐ No

115. Does the school have a passive radon mitigation system installed (was built with radon resistant features)?

- ☐ Yes
☒ No

115a. Has the facility been tested for the presence of radon?

- ☒ Yes
☐ No

115b. Were any of the results of the test greater than or equal to 4 picocuries per liter (pCi/L)?

- ☐ Yes
☒ No

115c. If Yes, did the school take steps to mitigate the elevated radon levels?

- ☐ Yes, active mitigation system installed
☐ Yes, passive mitigation system made active
☐ Yes, ventilation controls (HVAC) adjusted
☐ Yes, other (describe)
☐ No action taken

115c.1 Describe other actions taken to mitigate elevated radon levels:

(No Response)

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American Red Cross

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American Red Cross Shelter

116. American Red Cross Shelter

☐ Yes

☒ No

SENIOR HIGH SCHOOL



Year Constructed: 1964

Stories: 2

Building Area: 131,000 approximate GSF

Primary Occupancy: E – Education

Grades Housed: 9-12

The Senior High School is located at 1 Mustang Hill, Marcellus, NY 13108. The original building was constructed in 1964/1969 with additions in 1977 and 1989 to reach its current total square footage. A building project is currently underway with including major renovations to items including those identified in past Building Condition Surveys.

The School is a two-story story building with bearing walls and steel framing bearing on reinforced concrete foundation walls and footings. The roof structure consists of steel beams and open web joists with concrete, metal and tectum decking. The exterior walls consist of solid masonry with brick exterior finish. Interior partition walls are primarily masonry and plaster. The lower floors are cast-in-place concrete slab on grade with pipe tunnels, with upper floors of cast-in-place concrete and concrete beams/joists. The structural systems are in fair shape, with no visible signs of distress.

The current roof consists of a ballasted built-up membrane, and is currently in good condition.

In addition to those items in the current project, the following items were identified as having a need for completion over the next five years:

1. Site Items:

- Replace brick risers with precast rings (20).
- Replace concrete walk and curb from student lot and aud. to main drive.
- Replace asphalt walk along main drive with concrete.
- Replace concrete walks in front of building along bus loop.
- Reset granite curb along bus loop flush with walk.
- Replace student lot pavement.
- Track and field improvements (pave outside track to fence, settlement at trench drain, pave public path to track).
- Remove D-area concrete curbing and install elastic edge with lacrosse netting set inside turf field.
- Add gate in track fence by storage building near tennis courts.

- Regrade baseball outfield for drainage.
- Redirect 3rd base dugout roof water in baseball field.
- Provide concrete aprons at all structures in pavement.
- Clean out existing retention basin of silt and debris.
- Reset existing tennis net poles and provide crack repair and resurfacing (4 courts).
- Replace dock wall on northeast corner of aud.
- Pave baseball parking lot by transportation.
- Pave softball parking lot.
- Replace south parking lot curbing.
- Replace pulley system in flagpole.
- Drainage improvements on west end of building at hillside.
- Provide flatter slope on asphalt walk from KCH to south parking lot.
- Provide landscape improvements in courtyard.
- Replace water main from building to main on south end.
- Replace sanitary main from building to street.
- Replace turf field and track surface
- Replace press box doors (stadium and baseball).

2. Building Envelope Items

- Add storage behind stage – addition.
- New stair at loading dock.
- Masonry restoration
- Add cafeteria exit.

3. Building Interior Space Items:

- Cafeteria upgrades.
- Replace auditorium OH doors.
- Add wall to secure aud. fan room.
- Refurbish gym bleachers.
- Bleacher replacement – motorized.

4. Mechanical/Plumbing System Items:

- Replace heating unit above kitchen receiving area.
- Install new strainer before BFP.

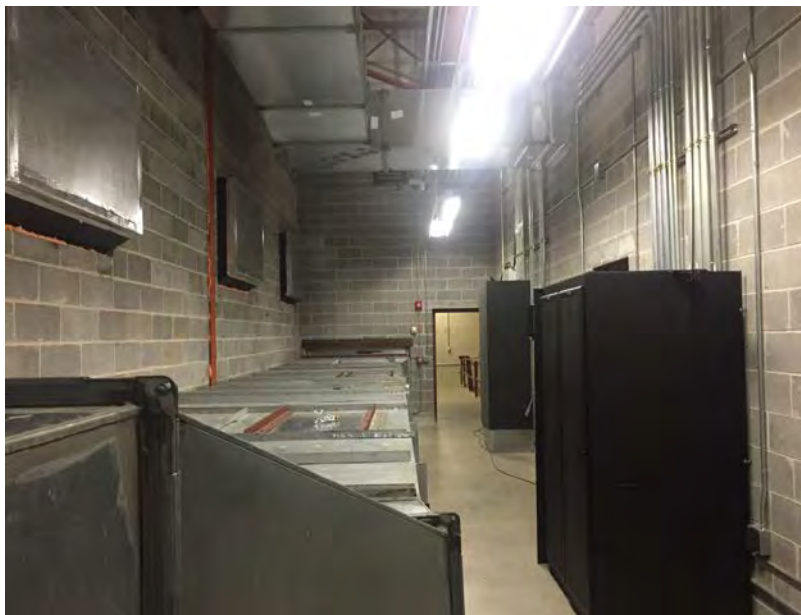
5. Electrical/Technology System Items:

- Add fire suppression to kitchen hoods.
- Add emergency generator.

PHOTOS OF IDENTIFIED BCS AND FIVE YEAR PLAN ITEMS



SHS – Replace Auditorium OH door



SHS – Secure Auditorium fan roof from student access



SHS – Gym bleachers, refurbish or replace with motorized



SHS – Renovate Cafeteria, add exit door to exterior



SHS – Replace older exterior doors



SHS – Replace older exterior doors



SHS – Masonry restoration



SHS – Masonry Restoration



SHS – Masonry restoration



SHS – Masonry restoration



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Building Condition Survey Supplemental Information

Project:	Marcellus CSD - High School		
Architect:	SEI Design Group		
Date of Visit:	5-5-2016	Weather:	Sunny
Participants:	Brittany Belding		

The following photographs were taken by Appel Osborne Landscape Architecture (AOLA) for providing additional information on items identified during the NYS Education Department Building Condition Survey reviews with the Owner and design team. All photographs are keyed into an overall site plan and line item budgets, both of which are provided by AOLA.



Photograph Number: 1
Budget Line Item Number: \$30,000 (65)

Item Description:

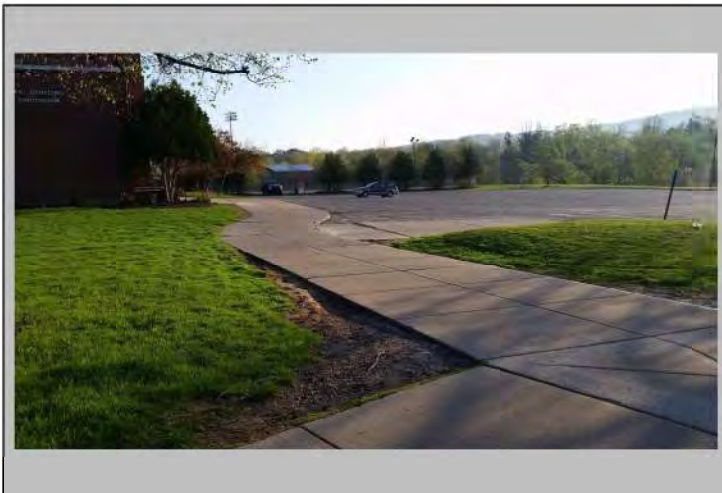
Replace entrance handicap ramp



Photograph Number: 2
Budget Line Item Number: \$50,000 (44)

Item Description:

Replace brick risers in structures with precast rings
(20 structures)



Photograph Number: 3
Budget Line Item Number: \$32,000 (54)

Item Description:

Replace concrete walk and curb from student
parking lot and auditorium to main drive (1805 sf
concrete, 60 lf curb)

Building Condition Survey Supplemental Information

Project:	Marcellus CSD - High School		
Architect:	SEI Design Group		
Date of Visit:	5-5-2016	Weather:	Sunny
Participants:	Brittany Belding		

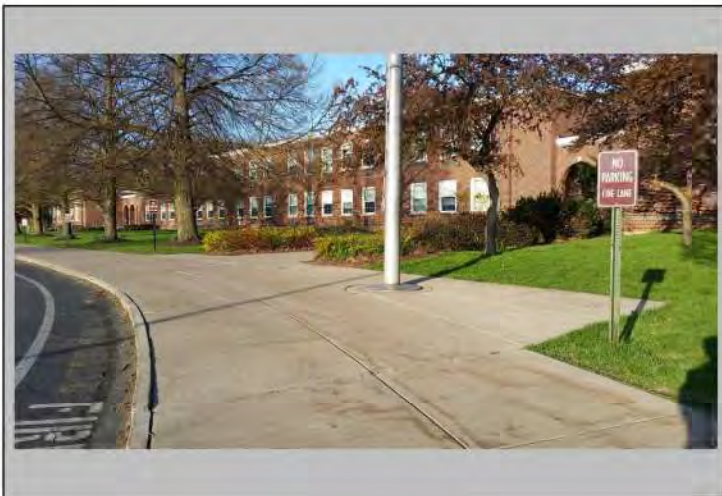
The following photographs were taken by Appel Osborne Landscape Architecture (AOLA) for providing additional information on items identified during the NYS Education Department Building Condition Survey reviews with the Owner and design team. All photographs are keyed into an overall site plan and line item budgets, both of which are provided by AOLA.



Photograph Number: 4
Budget Line Item Number: \$25,000 (54)

Item Description:

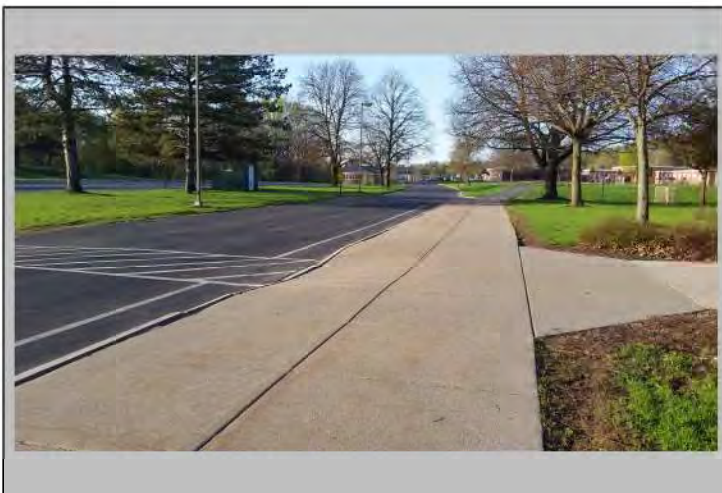
Replace asphalt walk along main drive with concrete (2,000 sf)



Photograph Number: 5
Budget Line Item Number: \$175,000 (54)

Item Description:

Replace concrete sidewalks in front of building along bus loop (7150 sf)



Photograph Number: 6
Budget Line Item Number: \$40,000 (53)

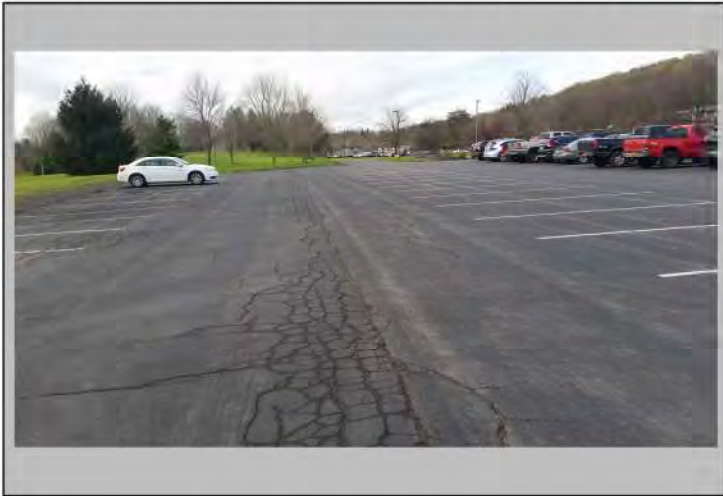
Item Description:

Reset granite curb along bus loop flush with concrete walk (665 lf)

Building Condition Survey Supplemental Information

Project:	Marcellus CSD - High School		
Architect:	SEI Design Group		
Date of Visit:	5-5-2016	Weather:	Sunny
Participants:	Brittany Belding		

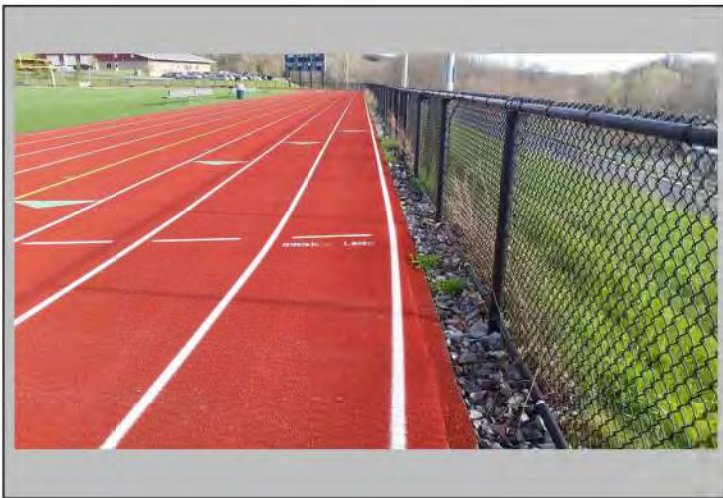
The following photographs were taken by Appel Osborne Landscape Architecture (AOLA) for providing additional information on items identified during the NYS Education Department Building Condition Survey reviews with the Owner and design team. All photographs are keyed into an overall site plan and line item budgets, both of which are provided by AOLA.



Photograph Number: 7
Budget Line Item Number: \$400,000 (53)

Item Description:

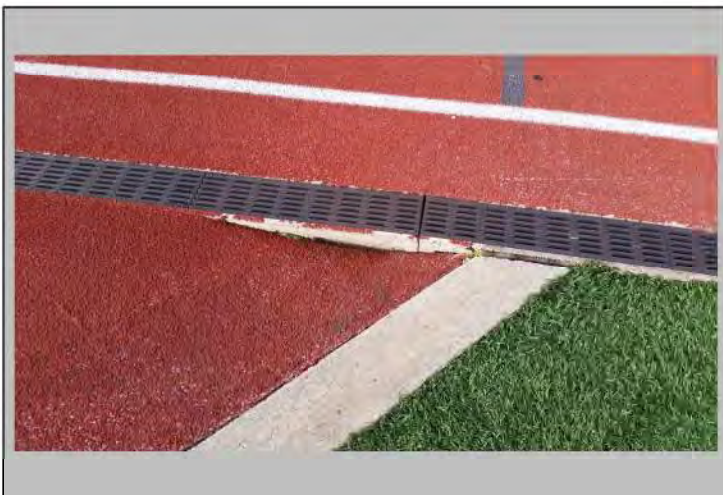
Replace student parking lot pavement



Photograph Number: 8
Budget Line Item Number: \$40,000 (57)

Item Description:

Pave space between track and track fence (3,000 sf)



Photograph Number: 9
Budget Line Item Number: \$20,000 (57)

Item Description:

Repair portion of southwest D-area at track where asphalt has settled at the trench drain (1500 sf)

Building Condition Survey Supplemental Information

Project:	Marcellus CSD - High School		
Architect:	SEI Design Group		
Date of Visit:	5-5-2016	Weather:	Sunny
Participants:	Brittany Belding		

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Photograph Number: 10
Budget Line Item Number: _____

Item Description:

Repair portions of turf lines that have come unglued (ATurf to provide cost for them to repair)



Photograph Number: 11
Budget Line Item Number: \$70,000 (54)

Item Description:

Pave walkway for public access to track and area around tennis courts (8,000 sf)



Photograph Number: 12
Budget Line Item Number: \$190,000 (56)

Item Description:

Regrade baseball outfield for proper drainage

Building Condition Survey Supplemental Information

Project:	Marcellus CSD - High School		
Architect:	SEI Design Group		
Date of Visit:	5-5-2016	Weather:	Sunny
Participants:	Brittany Belding		

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Photograph Number: 13
Budget Line Item Number: \$13,000 (44)

Item Description:

Provide concrete aprons at all structures in pavement (5 structures)



Photograph Number: 14
Budget Line Item Number: \$200,000 (53)

Item Description:

Expand main parking lot



Photograph Number: 15
Budget Line Item Number: \$20,000 (48)

Item Description:

Clean out existing retention basin of silt and debris

Building Condition Survey Supplemental Information

Project:	Marcellus CSD - High School		
Architect:	SEI Design Group		
Date of Visit:	5-5-2016	Weather:	Sunny
Participants:	Brittany Belding		

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Photograph Number: 16
Budget Line Item Number: \$75,000 (56)

Item Description:

Reset existing tennis net poles and provide crack repair and resurfacing (23,265 sf, 4 courts)



Photograph Number: 17
Budget Line Item Number: \$32,000 (54)

Item Description:

Replace sidewalks leading up to main doors at front of building (2,000 sf)



Photograph Number: 18
Budget Line Item Number: \$65,000 (65)

Item Description:

Replace dock wall on northeast corner of auditorium (30 lf, 12" wide, 2.5' ave ht)

Building Condition Survey Supplemental Information

Project:	Marcellus CSD - High School		
Architect:	SEI Design Group		
Date of Visit:	5-5-2016	Weather:	Sunny
Participants:	Brittany Belding		

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Photograph Number: 19
Budget Line Item Number: \$100,000 (57)

Item Description:

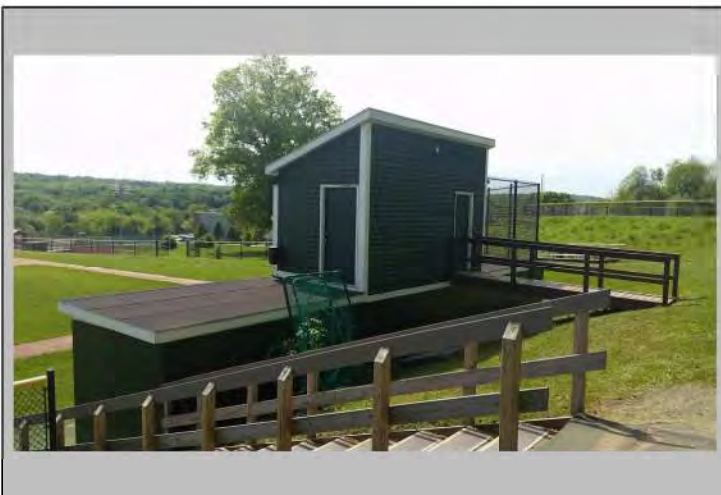
Remove D-area concrete curbing and install elastic edge with lacrosse netting set inside turf field (640 lf netting, 480 lf edging)



Photograph Number: 20
Budget Line Item Number: \$5,000 (57)

Item Description:

Add gate in track fence by storage building near tennis courts



Photograph Number: 21
Budget Line Item Number: \$30,000 (58)

Item Description:

Redirect 3rd base dugout roof water on baseball field

Building Condition Survey Supplemental Information

Project:	Marcellus CSD - High School		
Architect:	SEI Design Group		
Date of Visit:	5-5-2016	Weather:	Sunny
Participants:	Brittany Belding		

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Photograph Number: 22
Budget Line Item Number: \$235,000 (53)

Item Description:

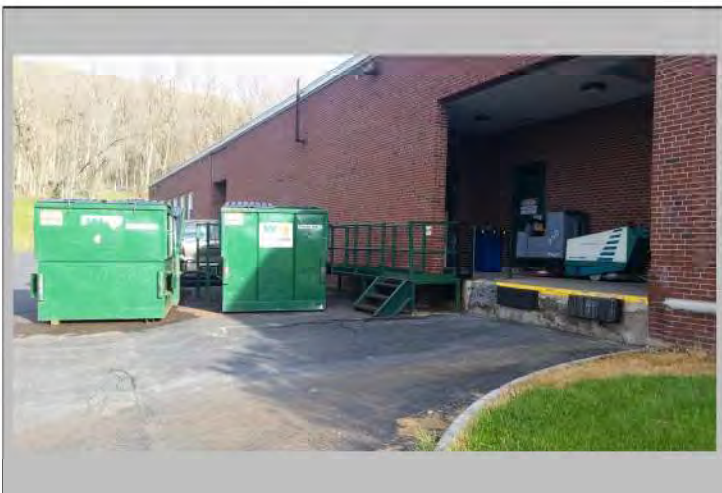
Pave baseball parking lot by transportation
(26,000 sf)



Photograph Number: 23
Budget Line Item Number: \$180,000 (53)

Item Description:

Pave softball parking lot (21,000 sf)



Photograph Number: 24
Budget Line Item Number: \$25,000 ?

Item Description:

Parge loading dock and provide new stairs on south
end of building

Building Condition Survey Supplemental Information

Project:	Marcellus CSD - High School		
Architect:	SEI Design Group		
Date of Visit:	5-5-2016	Weather:	Sunny
Participants:	Brittany Belding		

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Photograph Number: 25
Budget Line Item Number: \$10,000 (53)

Item Description:

Replace south parking lot curbing (90 lf)



Photograph Number: 26
Budget Line Item Number: \$1,000 (58)

Item Description:

Replace pulley system in flagpole



Photograph Number: 27
Budget Line Item Number: \$150,000 (42)

Item Description:

Drainage improvements on west end of building at hillside

Building Condition Survey Supplemental Information

Project:	Marcellus CSD - High School		
Architect:	SEI Design Group		
Date of Visit:	5-5-2016	Weather:	Sunny
Participants:	Brittany Belding		

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Photograph Number: 28
Budget Line Item Number: \$15,000 (54)

Item Description:

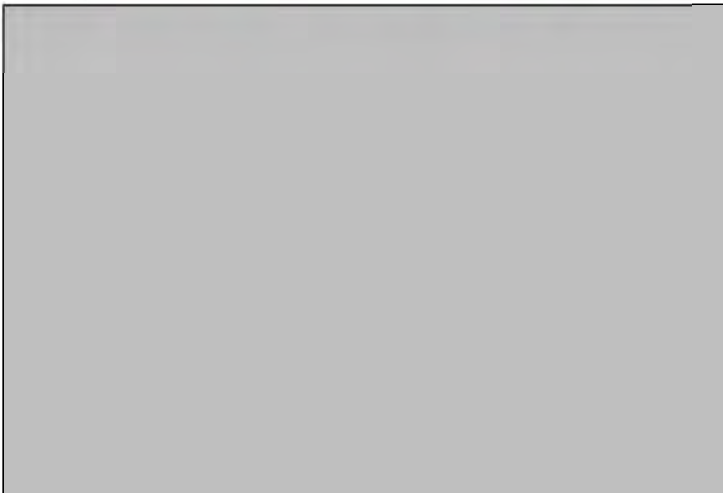
Provide flatter slope on asphalt walk from KCH to south parking lot (1,000 sf)



Photograph Number: 29
Budget Line Item Number: ~\$150,000

Item Description:

Provide landscaping improvements in courtyard



Photograph Number: 30
Budget Line Item Number: \$75,000 (37)

Item Description:

Replace water main from building to main on south end (100 lf)



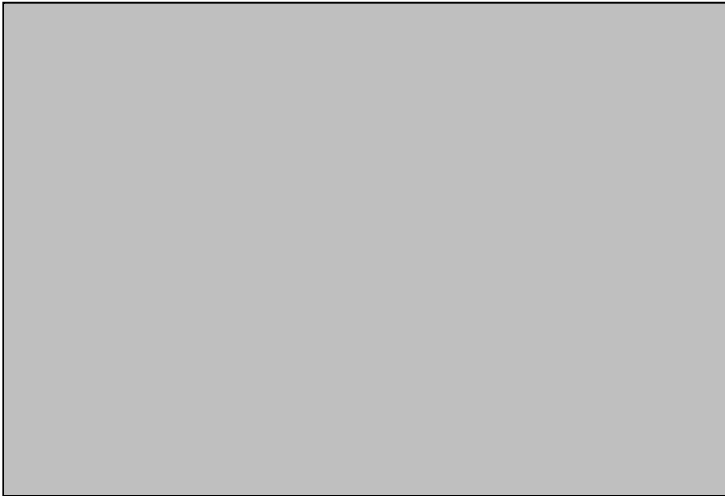
102 West Division St, Suite 400
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Building Condition Survey Supplemental Information

Project:	Marcellus CSD - High School		
Architect:	SEI Design Group		
Date of Visit:	5-5-2016	Weather:	Sunny
Participants:	Brittany Belding		

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Photograph Number: 31
Budget Line Item Number: \$85,000 (38)

Item Description:

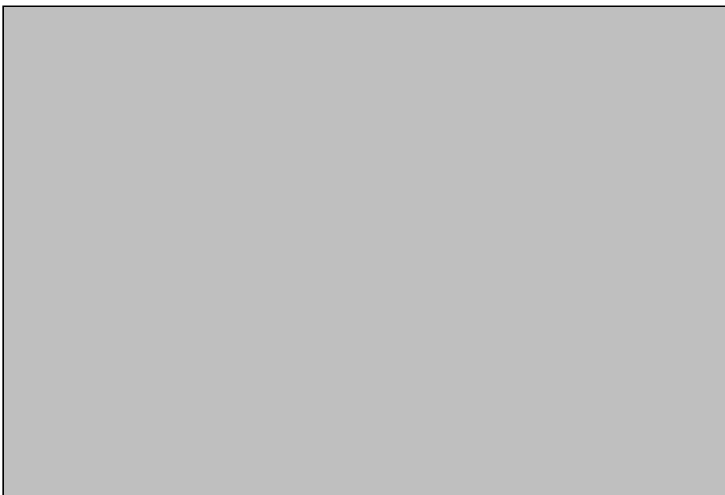
Replace sanitary main from building to street (420 lf, 2 structures)



Photograph Number: 32
Budget Line Item Number: \$1,175,000 (56)

Item Description:

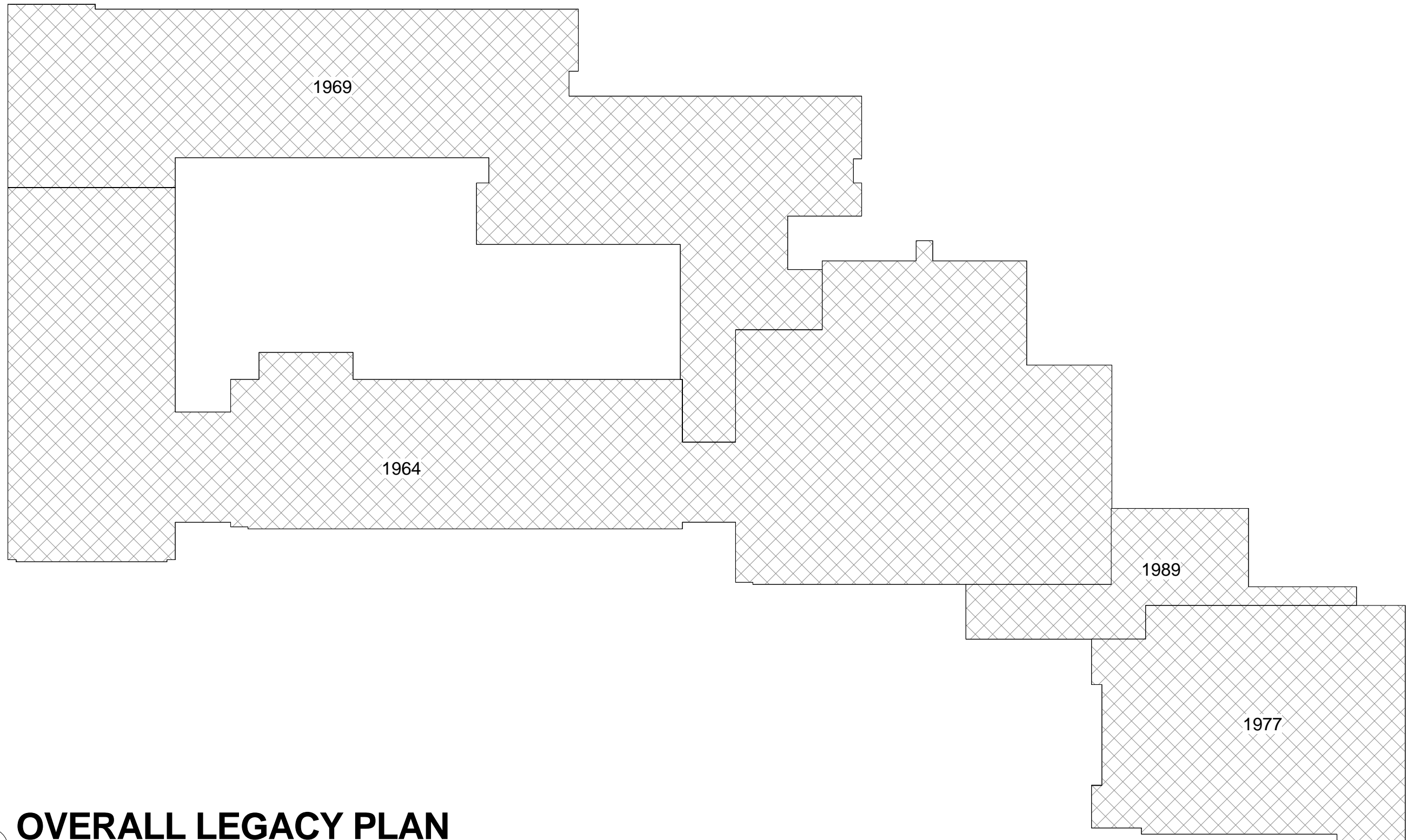
Turf field and track surfacing is 10 years old, look to replace in the next 5 years (turf approx \$1 million, track approx \$175,000 retop)



Photograph Number: 33
Budget Line Item Number: \$50,000 (57)

Item Description:

Provide bleachers for softball field (250 seats)



1 OVERALL LEGACY PLAN
1" = 50'-0"



1 **OVERALL ROOF LEGACY PLAN**
1" = 50'-0"



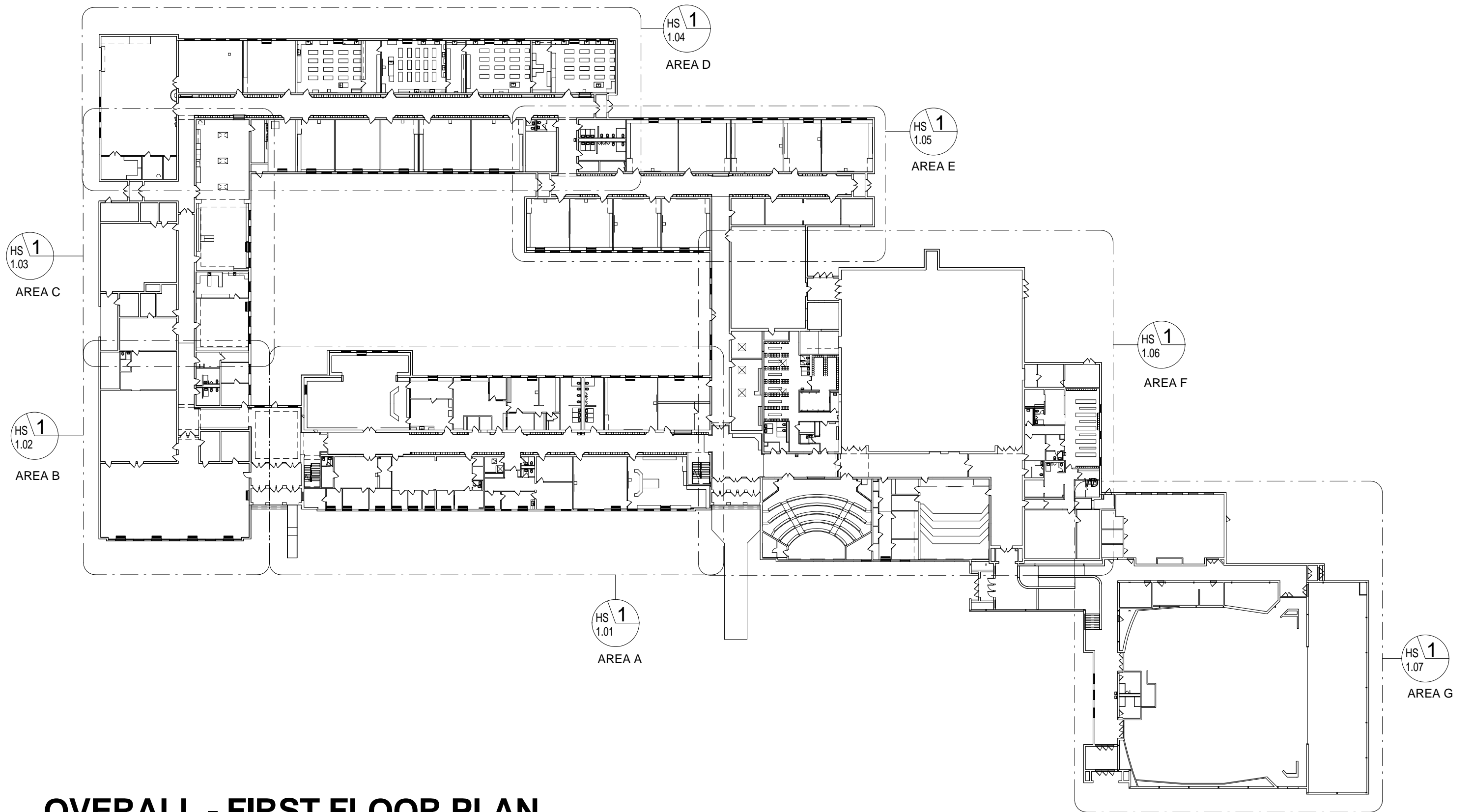
MARCELLUS CENTRAL SCHOOL DISTRICT

Author

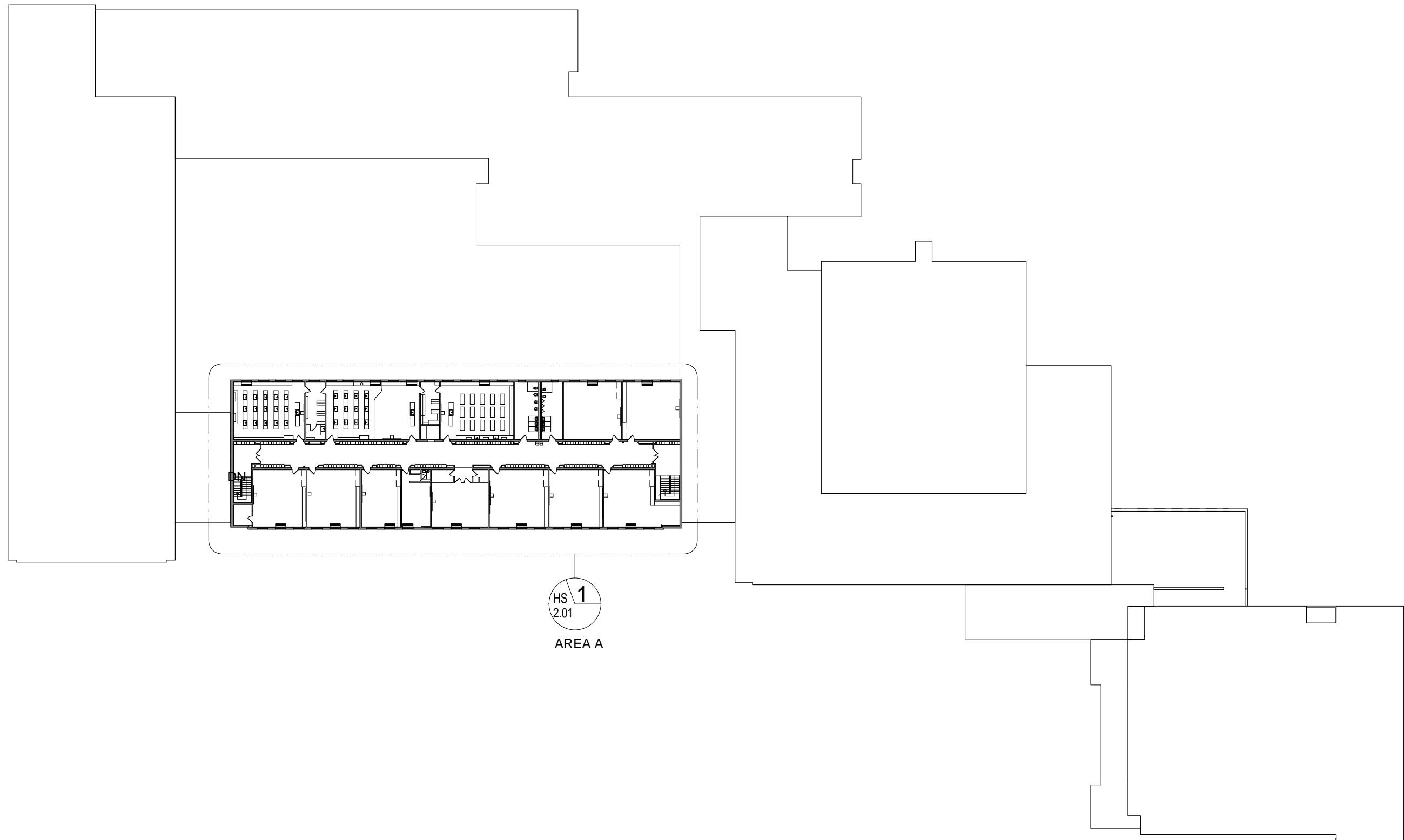
ROOF LEGACY PLAN

HS 0.04

Scale 1" = 50'-0"



1 OVERALL - FIRST FLOOR PLAN
1" = 50'-0"



1 OVERALL - SECOND FLOOR PLAN

1" = 50'-0"



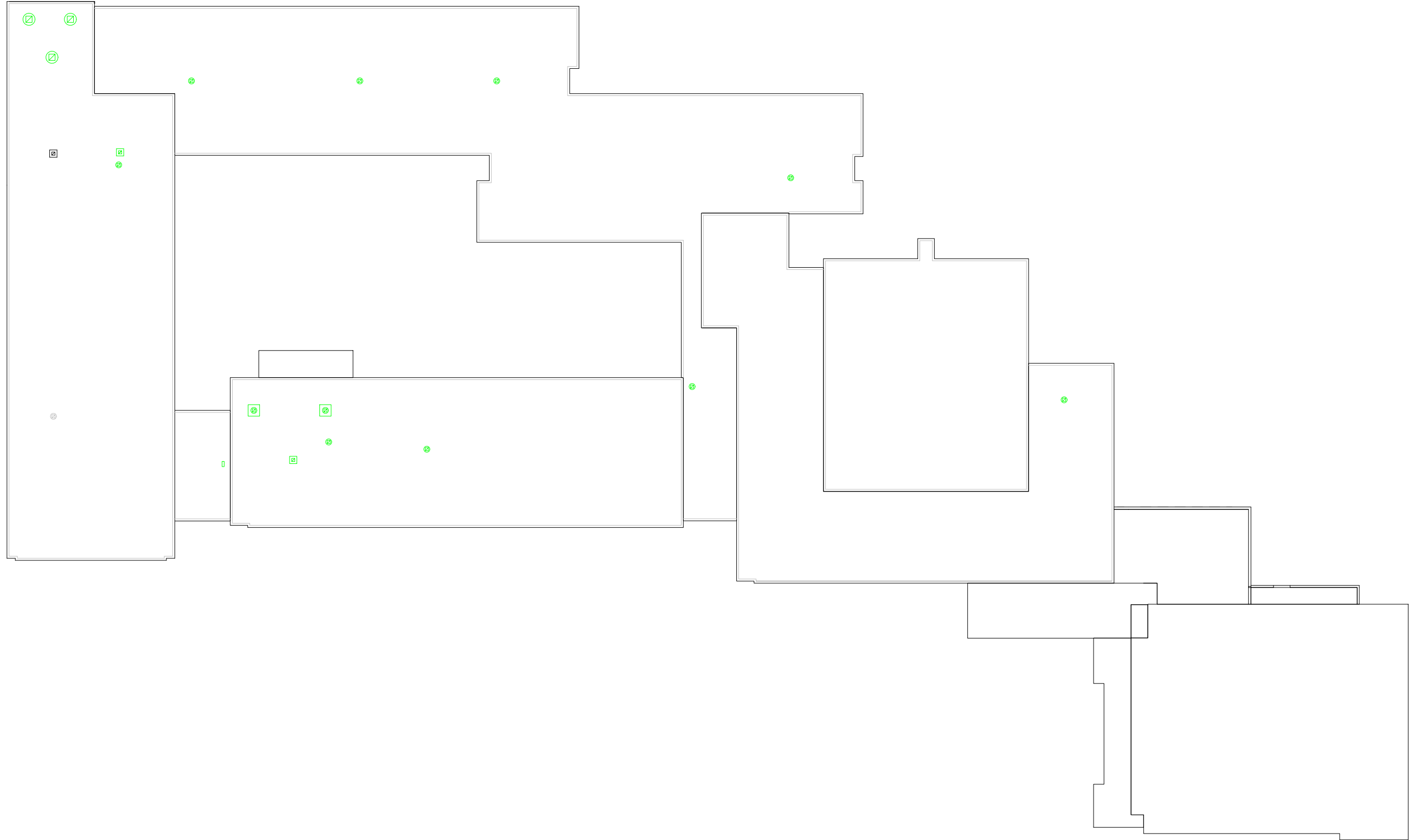
MARCELLUS CENTRAL SCHOOL DISTRICT

MARCELLUS SENIOR HIGH SCHOOL

EXISTING SECOND FLOOR PLAN

HS 0.02

Scale 1" = 50'-0"



1 **OVERALL - ROOF PLAN**
1" = 50'-0"



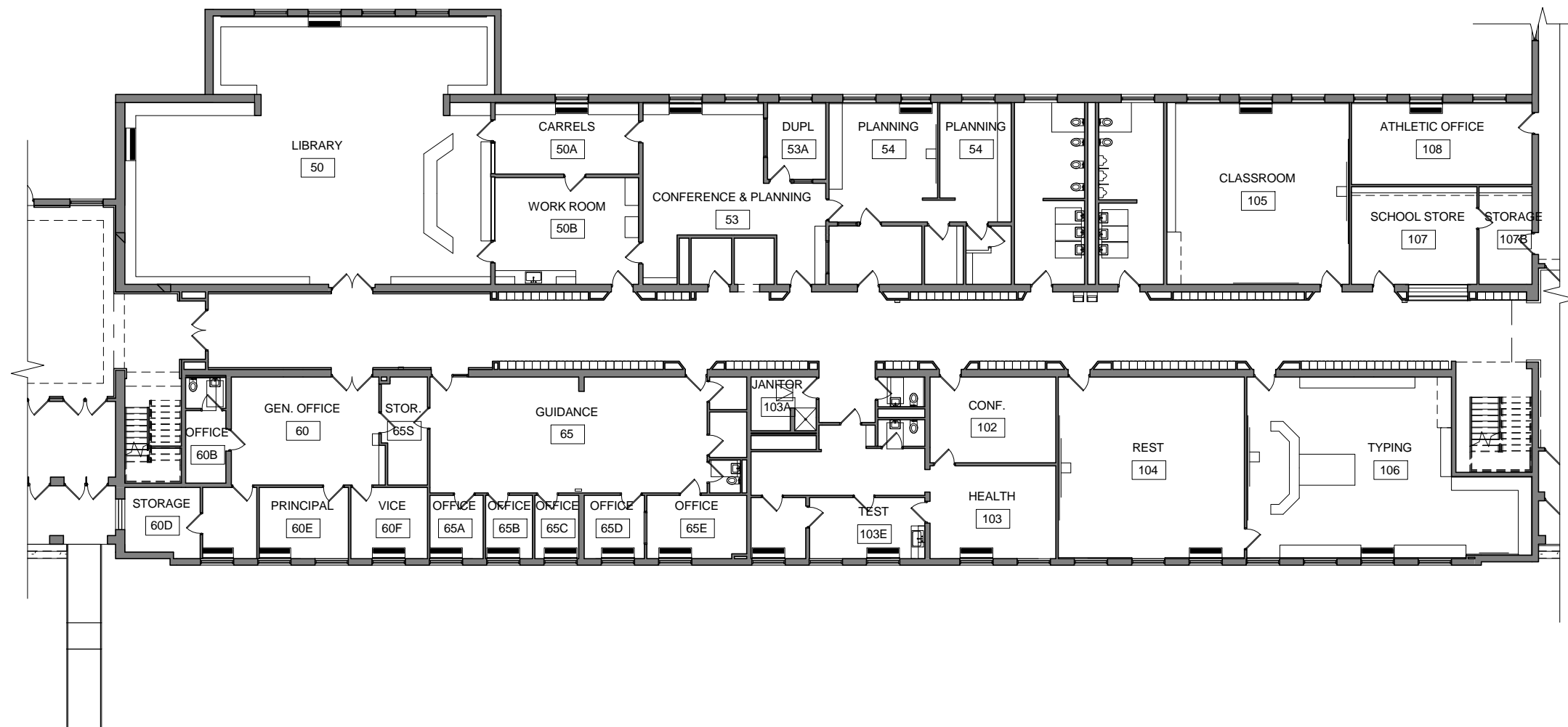
MARCELLUS CENTRAL SCHOOL DISTRICT

MARCELLUS SENIOR HIGH SCHOOL

EXISTING ROOF PLAN

HS 0.03

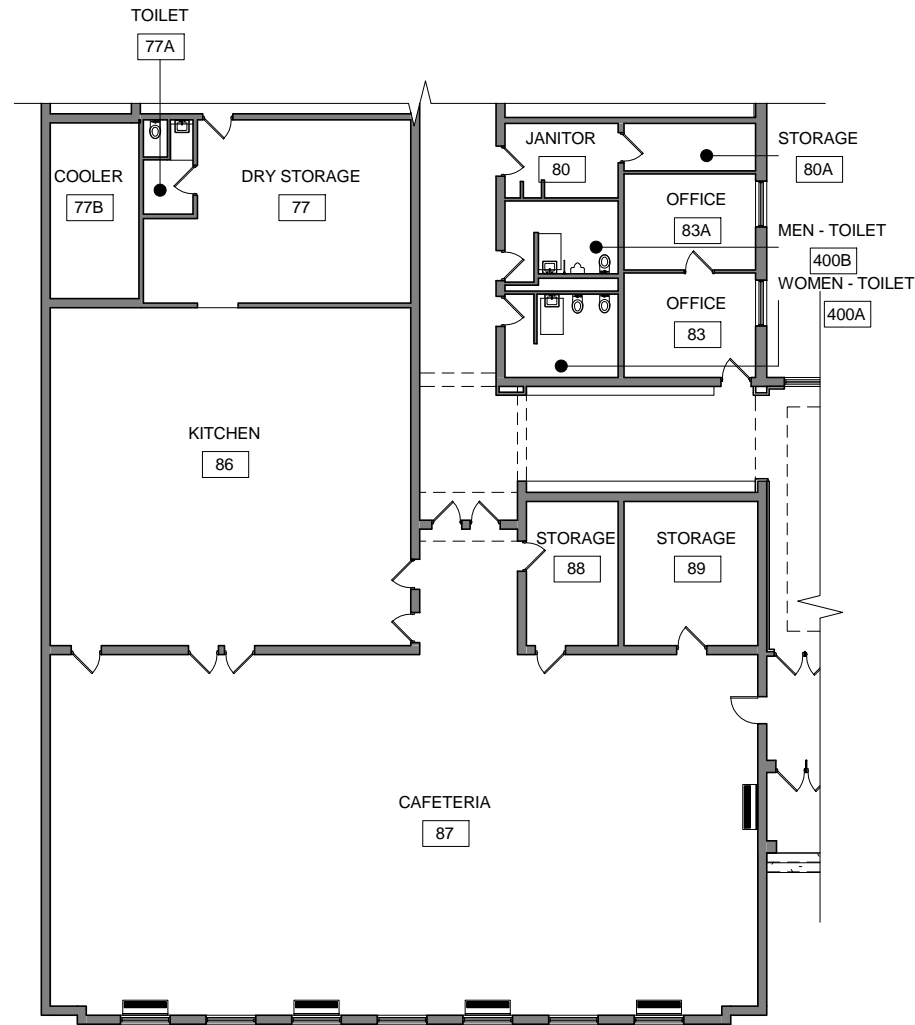
Scale 1" = 50'-0"



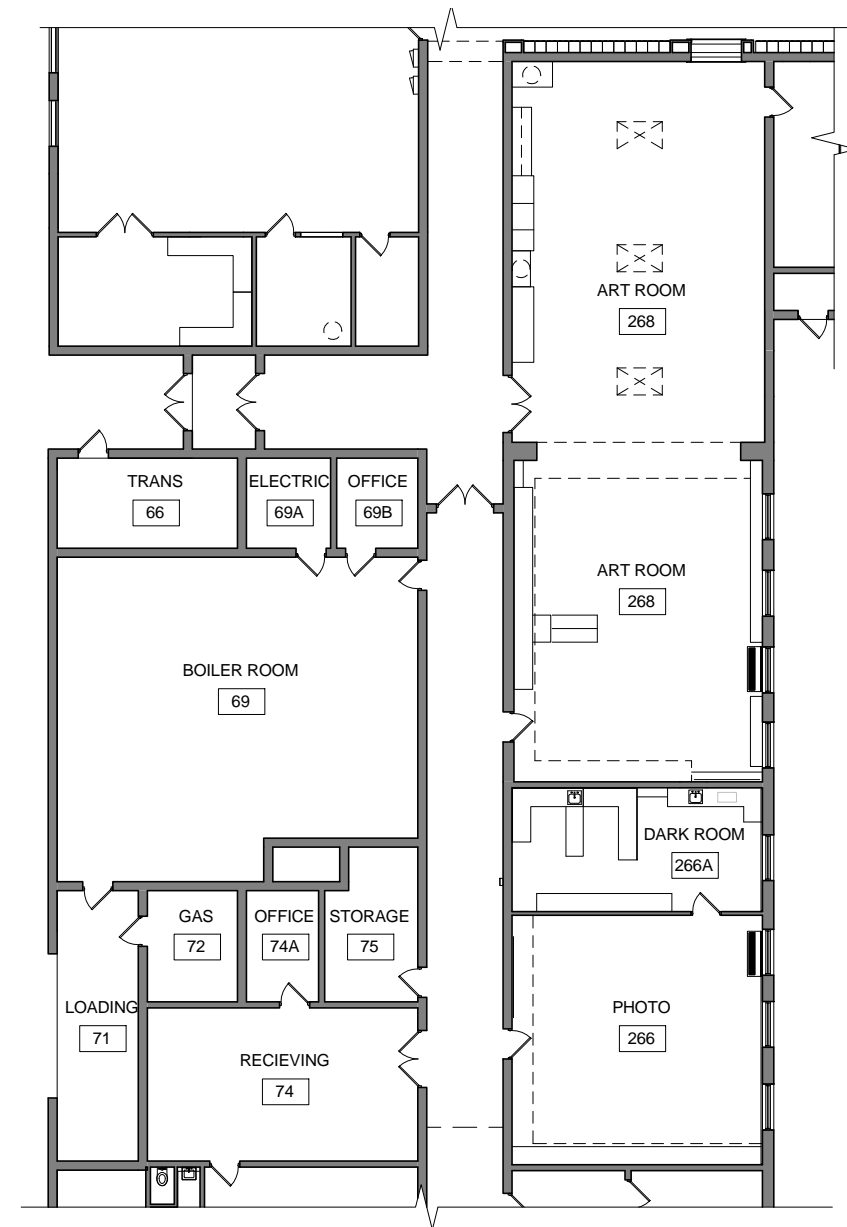
1 FIRST FLOOR - AREA A
 3/64" = 1'-0"



MARCELLUS CENTRAL SCHOOL DISTRICT
 MARCELLUS SENIOR HIGH SCHOOL



1 FIRST FLOOR - AREA B
3/64" = 1'-0"



1 FIRST FLOOR - AREA C

3/64" = 1'-0"



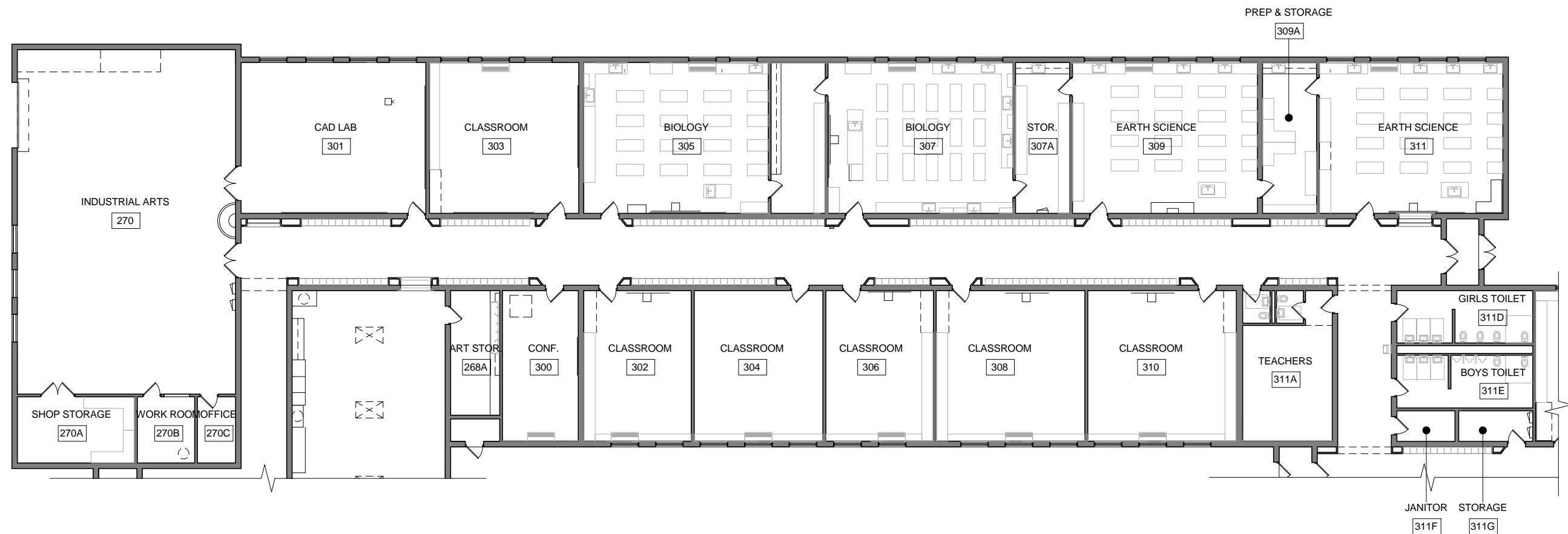
MARCELLUS CENTRAL SCHOOL DISTRICT

MARCELLUS SENIOR HIGH SCHOOL

FIRST FLOOR - AREA C

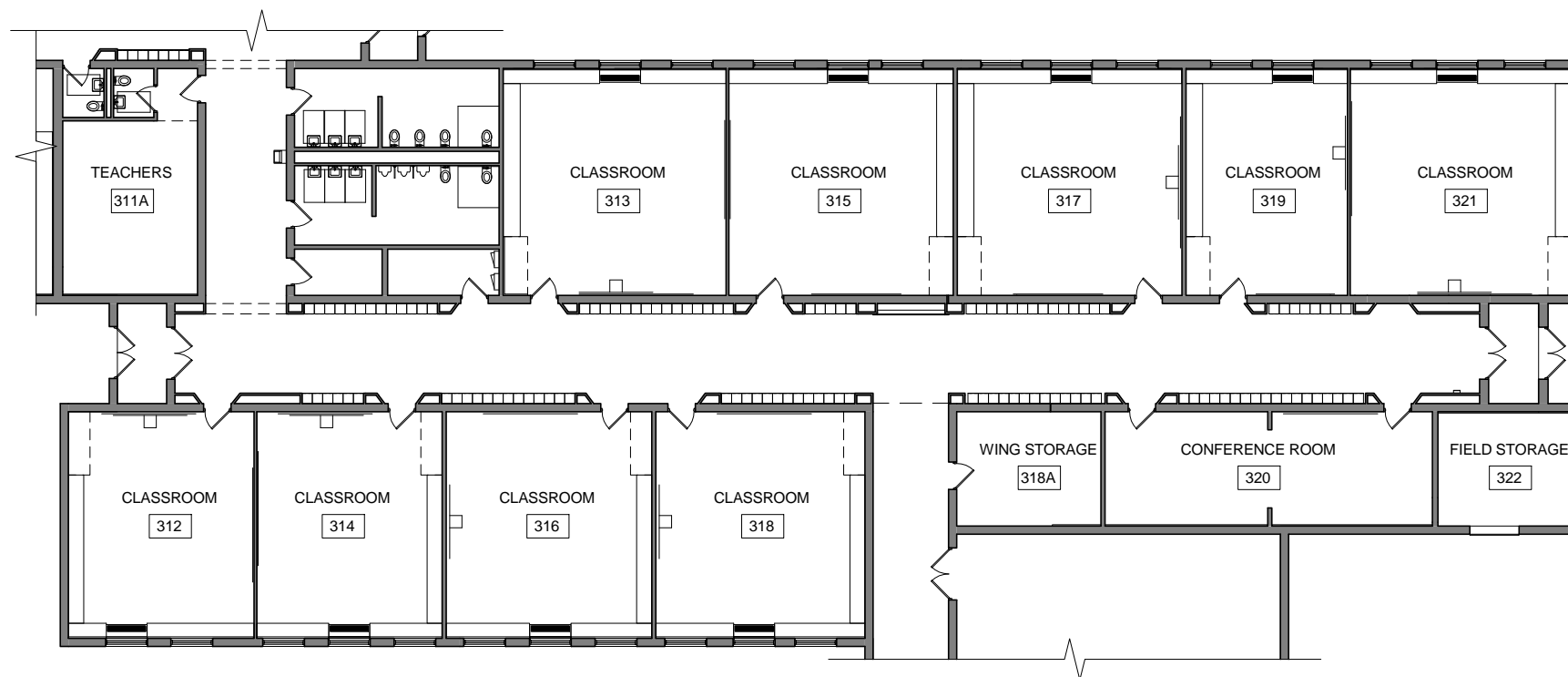
HS 1.03

Scale 3/64" = 1'-0"



1 FIRST FLOOR - AREA D

3/64" = 1'-0"



1 FIRST FLOOR - AREA E

3/64" = 1'-0"



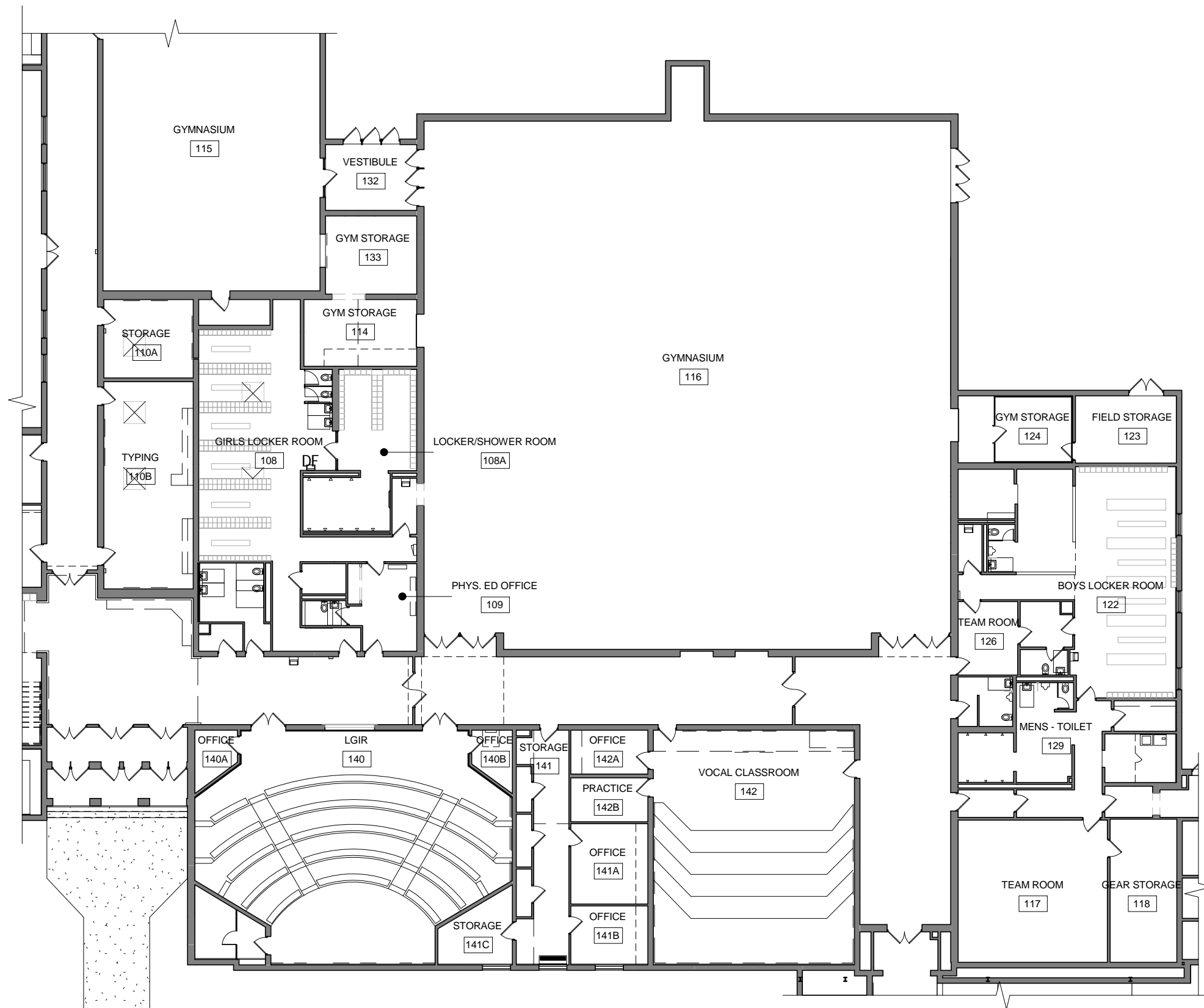
MARCELLUS CENTRAL SCHOOL DISTRICT

MARCELLUS SENIOR HIGH SCHOOL

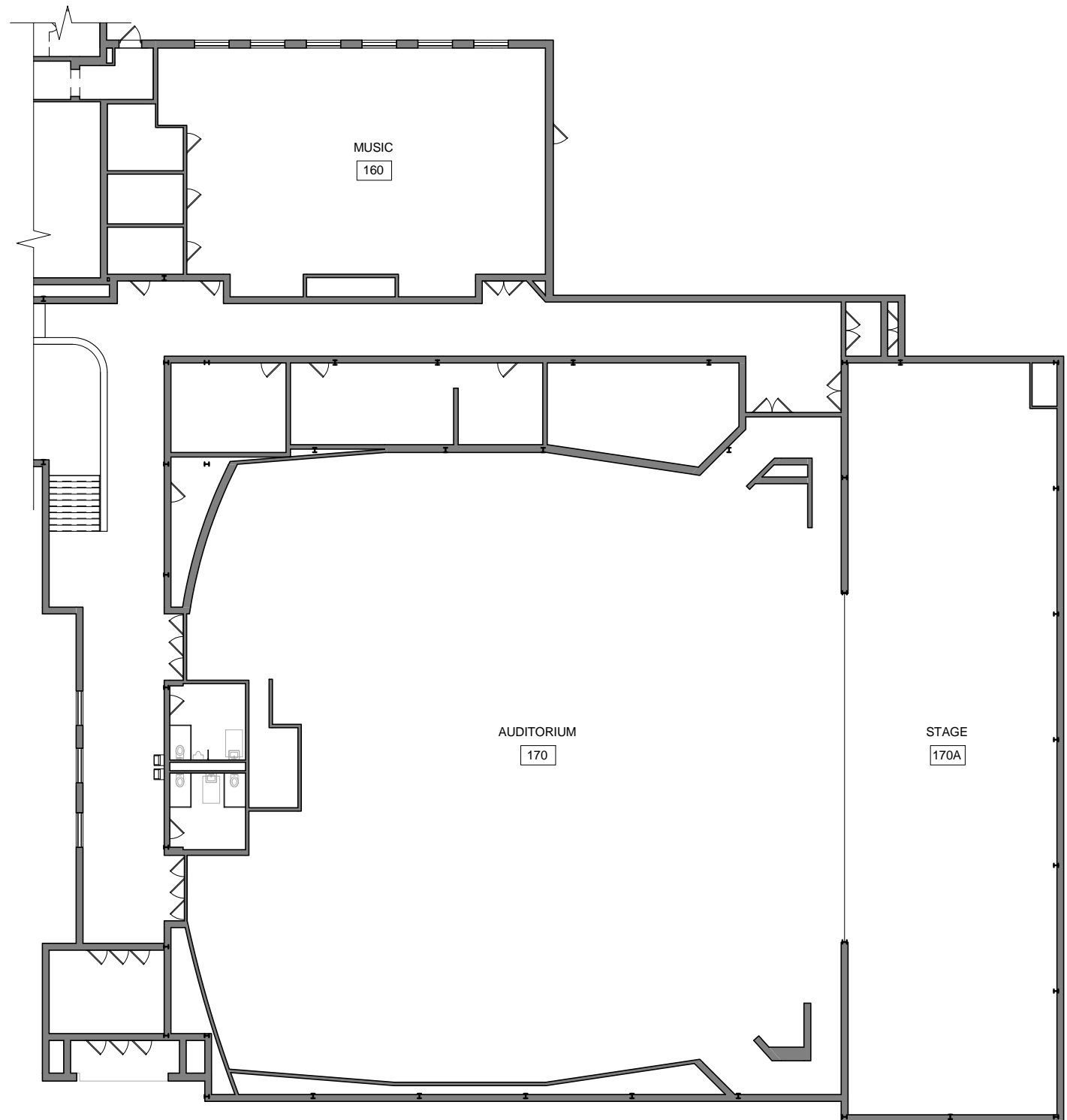
FIRST FLOOR - AREA E

HS 1.05

Scale 3/64" = 1'-0"



1 FIRST FLOOR - AREA F
 3/64" = 1'-0"



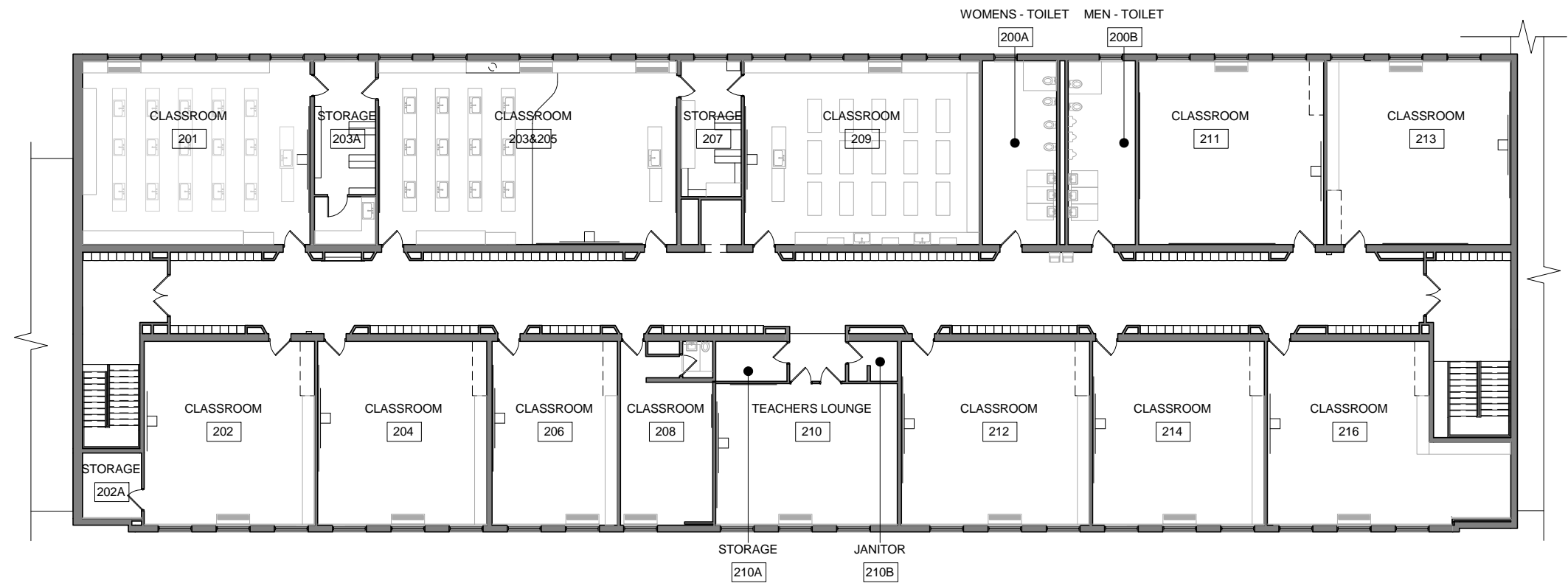
1 **FIRST FLOOR - AREA G**
3/64" = 1'-0"



MARCELLUS CENTRAL SCHOOL DISTRICT
MARCELLUS SENIOR HIGH SCHOOL

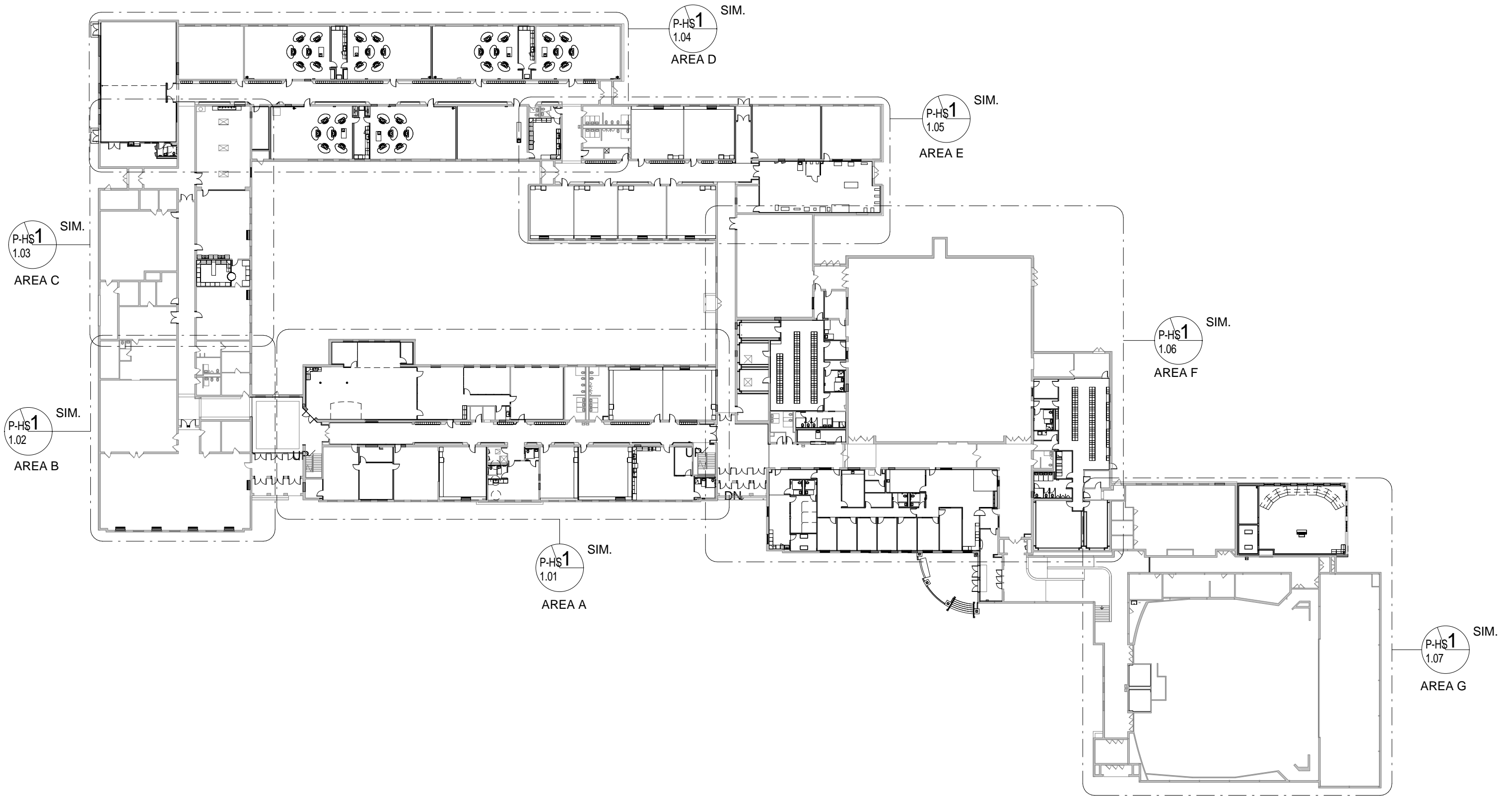
FIRST FLOOR - AREA G

HS 1.07
Scale 3/64" = 1'-0"



1 SECOND FLOOR - AREA A

3/64" = 1'-0"



1 NEW - FIRST FLOOR PLAN

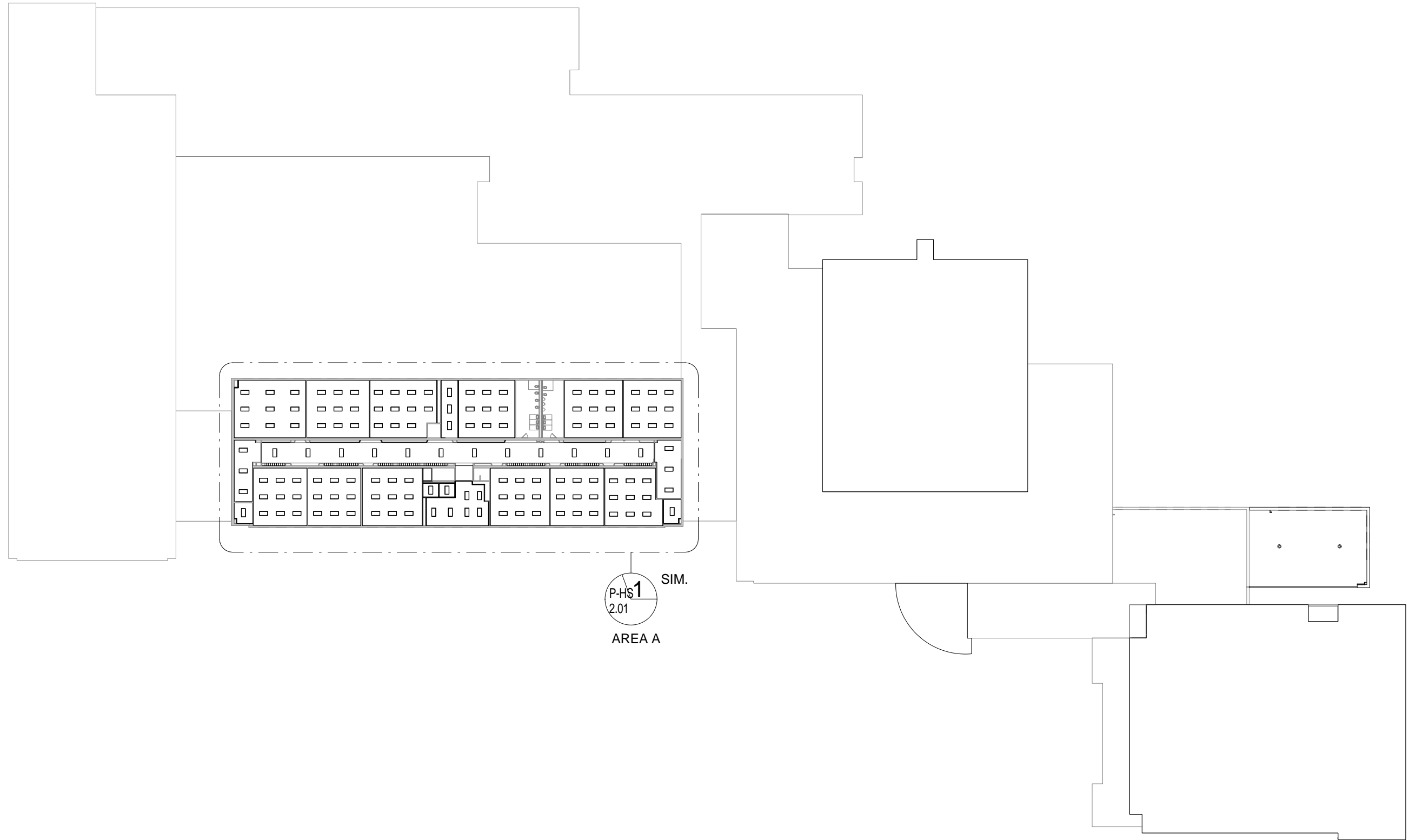
1" = 50'-0"



MARCELLUS CENTRAL SCHOOL DISTRICT
MARCELLUS SENIOR HIGH SCHOOL

PROPOSED FIRST FLOOR PLAN

P-HS 0.01
Scale 1" = 50'-0"



1 NEW - SECOND FLOOR PLAN

1" = 50'-0"

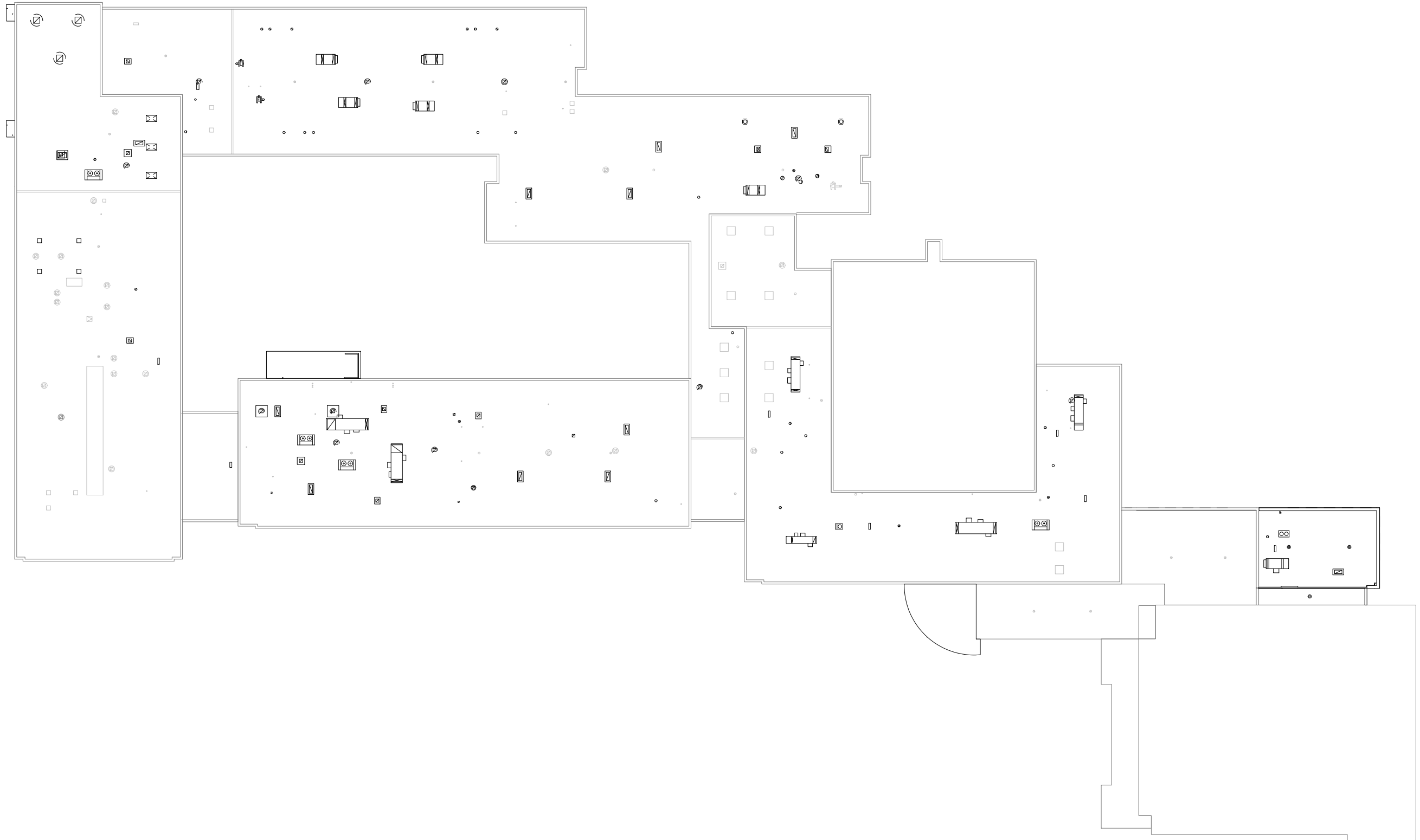


MARCELLUS CENTRAL SCHOOL DISTRICT
MARCELLUS SENIOR HIGH SCHOOL

PROPOSED SECOND FLOOR PLAN

P-HS 0.02

Scale 1" = 50'-0"



1 **NEW - ROOF PLAN**
1" = 50'-0"

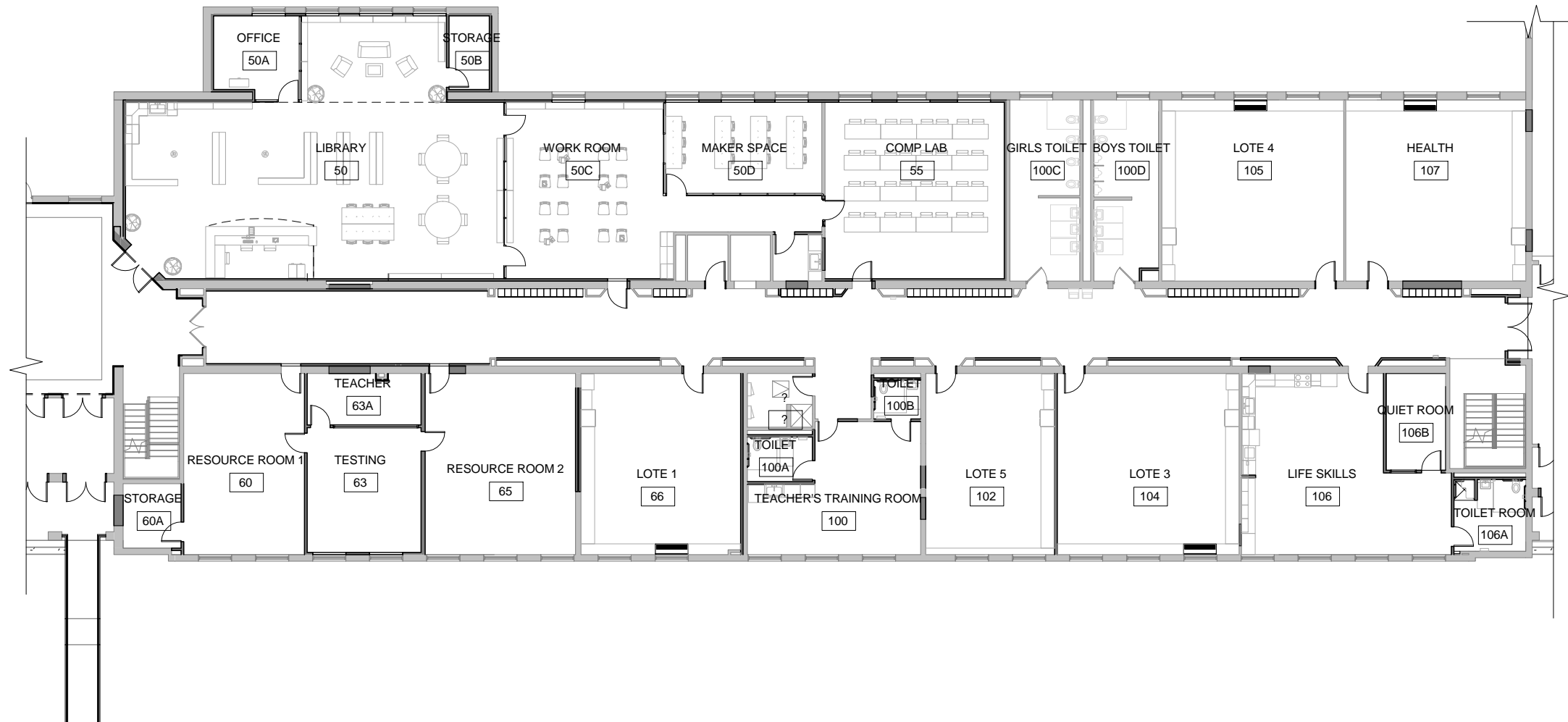


MARCELLUS CENTRAL SCHOOL DISTRICT
MARCELLUS SENIOR HIGH SCHOOL

PROPOSED ROOF PLAN

P-HS 0.03

Scale 1" = 50'-0"



1 PROPOSED FIRST FLOOR - AREA A

3/64" = 1'-0"

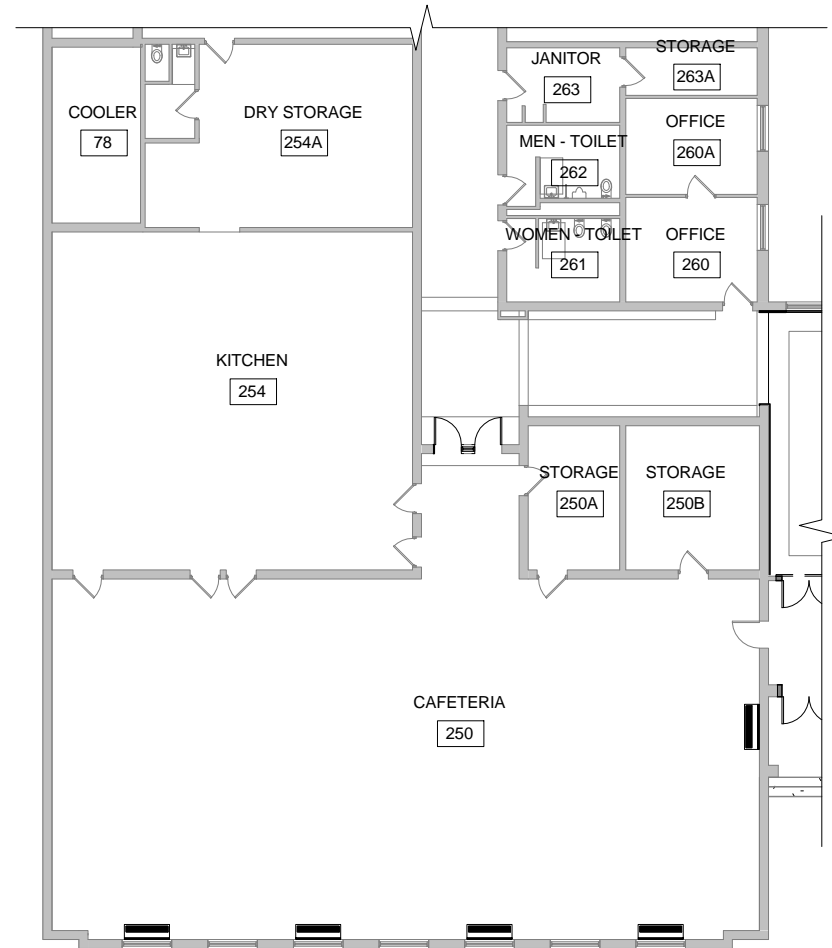


MARCELLUS CENTRAL SCHOOL DISTRICT
MARCELLUS SENIOR HIGH SCHOOL

FIRST FLOOR - AREA A

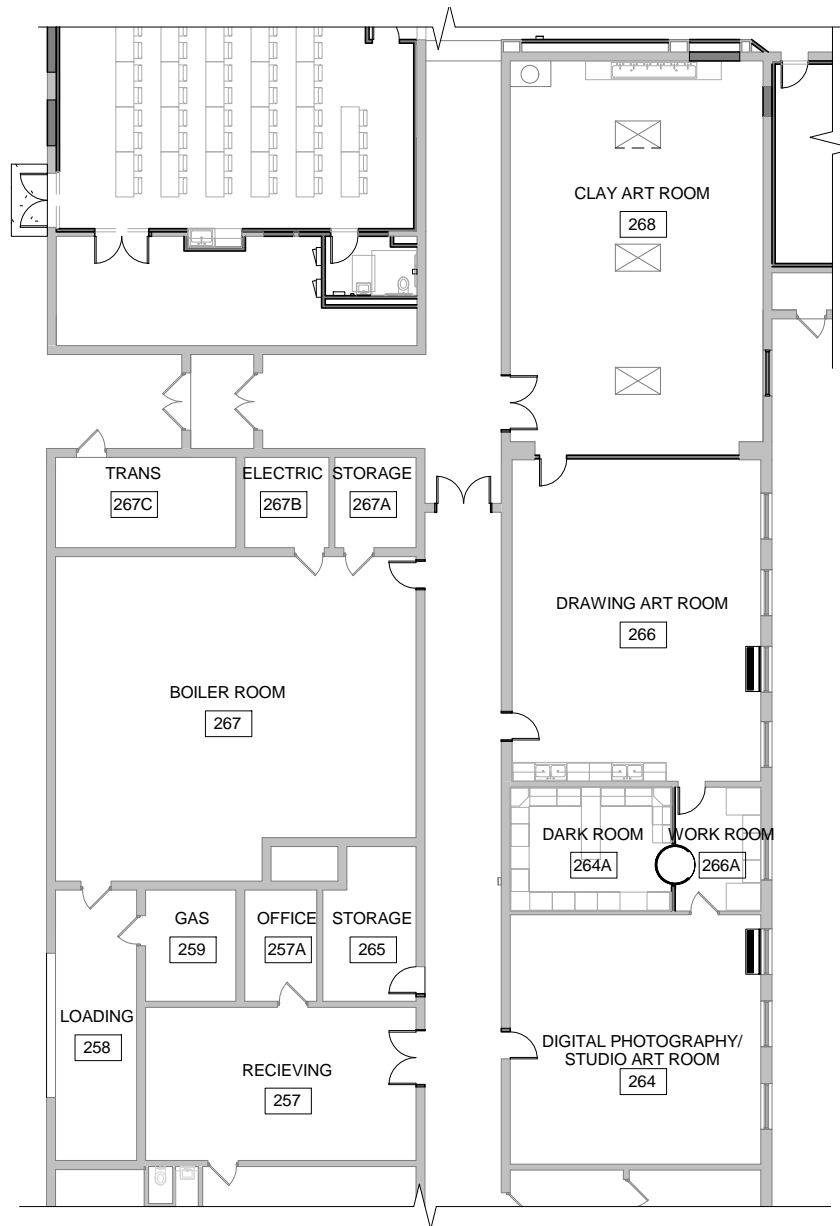
P-HS 1.01

Scale 3/64" = 1'-0"

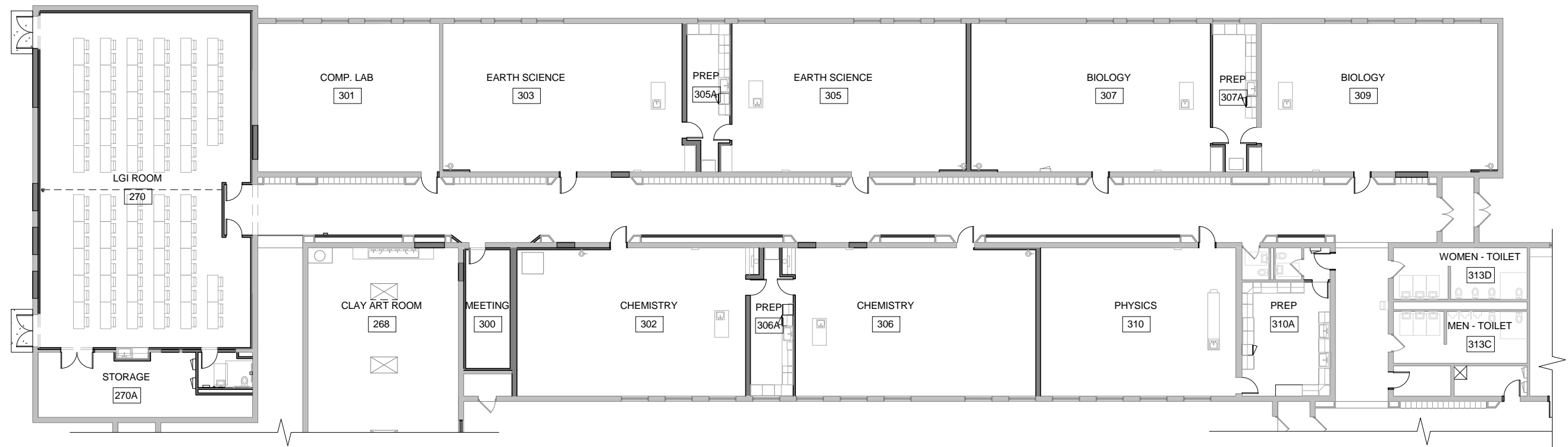


1 PROPOSED FIRST FLOOR - AREA B

3/64" = 1'-0"

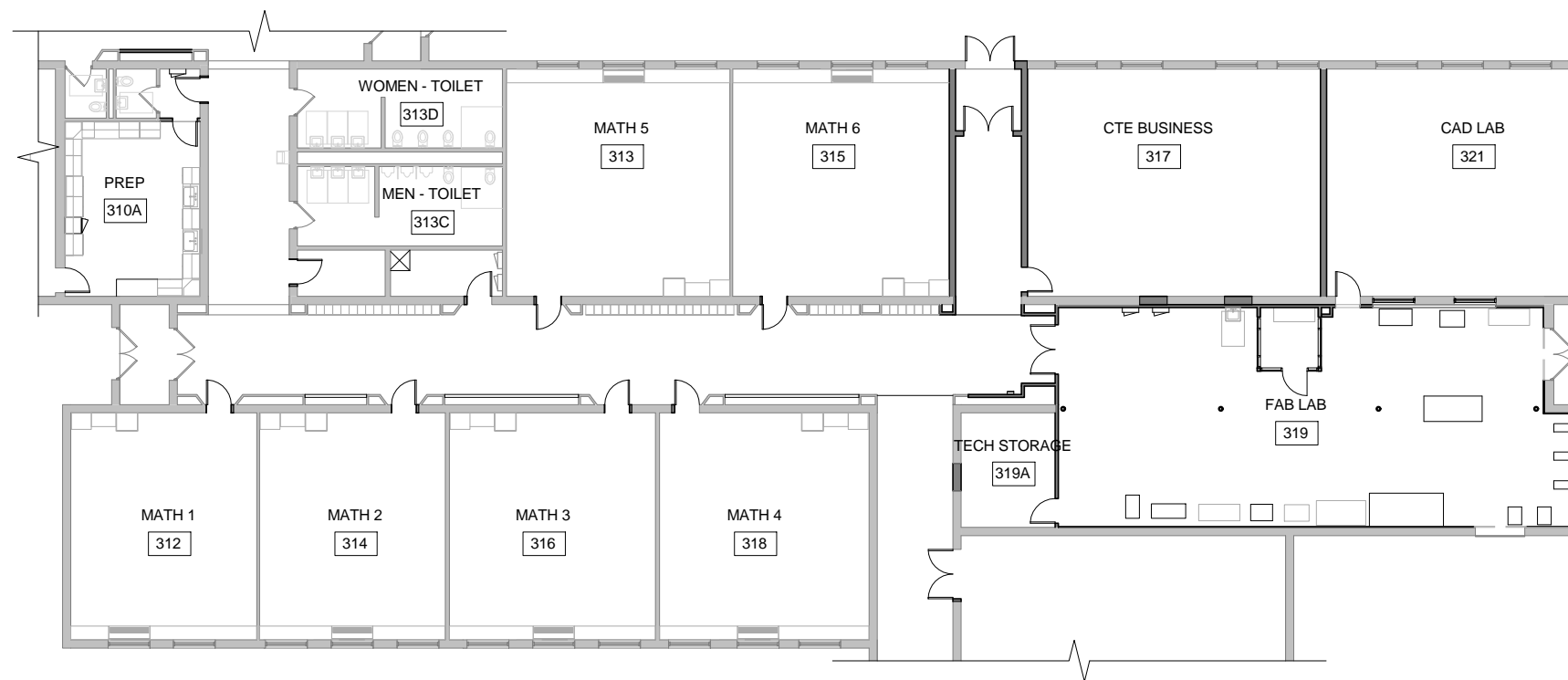


1 **PROPOSED FIRST FLOOR - AREA C**
 3/64" = 1'-0"



1 **PROPOSED FIRST FLOOR - AREA D**

3/64" = 1'-0"



1 **PROPOSED FIRST FLOOR - AREA E**
 3/64" = 1'-0"



MARCELLUS CENTRAL SCHOOL DISTRICT
 MARCELLUS SENIOR HIGH SCHOOL

FIRST FLOOR - AREA E

P-HS 1.05

Scale 3/64" = 1'-0"



1 PROPOSED FIRST FLOOR - AREA F

3/64" = 1'-0"

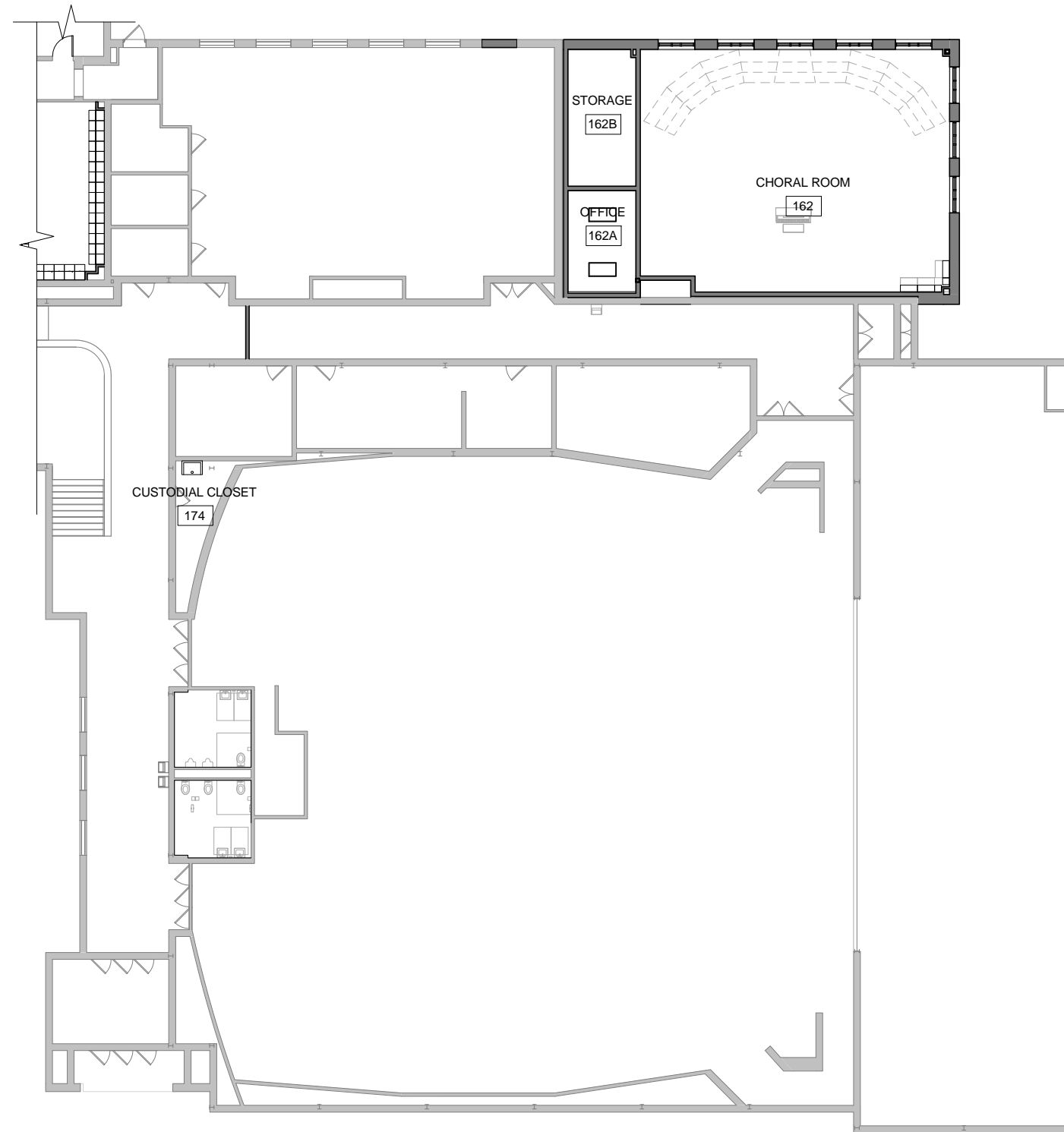


MARCELLUS CENTRAL SCHOOL DISTRICT
MARCELLUS SENIOR HIGH SCHOOL

FIRST FLOOR - AREA F

P-HS 1.06

Scale 3/64" = 1'-0"



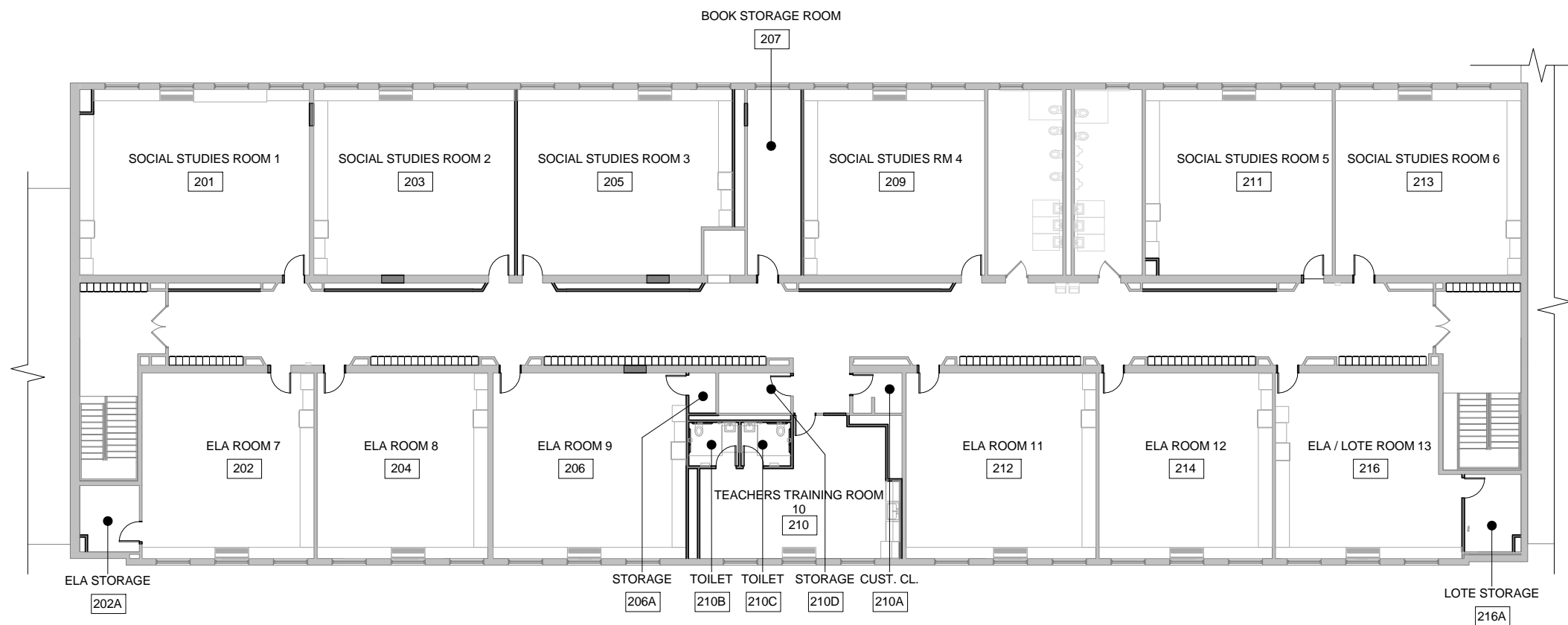
1 **PROPOSED FIRST FLOOR - AREA G**
 3/64" = 1'-0"



MARCELLUS CENTRAL SCHOOL DISTRICT
 MARCELLUS SENIOR HIGH SCHOOL

FIRST FLOOR - AREA G

P-HS 1.07
 Scale 3/64" = 1'-0"



1 PROPOSED SECOND FLOOR - AREA A

3/64" = 1'-0"

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Building Information

Page Last Modified: 06/10/2016

Building Information**1. Name of School District:**

MARCELLUS CSD

2. SED District 8-Digit BEDS Code:

421101060000

3. Building Name:

Marcellus High School

4. SED 4-Digit Facility Code:

0005

5. Survey Inspection Date:

11/03/2015

6. Building 911 Address:

1 Mustang Drive

7. City:

Marcellus

8. Zip Code:

13108

9. Certificate of Occupancy Status:

- ☒ A - Annual
☐ T - Temporary
☐ N - None

10. Certificate of Occupancy Expiration Date:

03/01/2017

Building Age, Gross Square Footage and Maintenance Staff**11. Year of Original Building:**

1966

12. Gross square ft. of Building as currently configured:

139,645

13. Number of Floors:

2

14. How many full-time and part-time custodians are employed at the school (or work in the building)?

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Building Information

Page Last Modified: 06/10/2016

	Count Employees
Full-time custodians:	4
Part-time custodians:	0
Totals:	4.00

Building Ownership and Occupancy Status**15. Building Ownership (check one):**

- ☒ Owned and used by district
☐ Owned by District and leased to non-district entity
☐ Owned by District, part used by district, part leased to non-district entity
☐ Owned by non-district entity and leased to district

16. For which of the following purposes is the building currently used? (check all that apply)

- ☒ Used for student instructional purposes
☐ Used for district administration
☐ Used for other district purposes
☐ Used by other organization(s)

Building Users

17. How many students were registered to receive instruction in this building as of October 1, 2014? (If none, enter "0") and skip to "Program Spaces" section. (Do not include evening class students)

610

18. Of these registered students, how many receive most of their instruction in:

	Quantity
18a. Permanent instructional spaces (i.e., regular classrooms)	610
18b. Temporary instructional spaces (i.e., portable or demountable classrooms) attached to the building	0
18c. Non-instructional spaces used as instructional spaces	0

18c.1 If the answer is greater than zero, which types of non-instructional spaces were being used for instructional purposes on October 1, 2014? (check all that apply)

- ☐ Cafeteria
☐ Gymnasium
☐ Administrative Spaces
☐ Library
☐ Lobby
☐ Stairwell
☐ Storage space
☐ Other (please describe)
☒ None

19. Grades Housed:

9-12

2015 Building Condition Survey Instrument - 2015 Building Conditions SurveyBuilding Information

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20. For how many instructional days during the 2013-14 school year (July 1 through June 30, was the building closed due to facilities failures, system malfunctions, structural problems, fire, etc? (if none, enter "0")

0

21. Is the building used for instructional purposes in the summer?

☒ Yes☐ No

22. Have there been renovations or construction in the building during the past 12 months?

☒ Yes☐ No

23. Was major construction/renovation work since 2010 conducted when school was in session?

☐ Yes☒ No

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Program Spaces

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Program Spaces**24. Number of instructional classrooms:**

24

25. Gross square footage of all instructional classrooms (combined):

17,201.00

26. Other spaces provided: (check all that apply)

- | | | |
|---|--|--|
| <input type="checkbox"/> a. N/A (none) | <input checked="" type="checkbox"/> j. Health Office | <input checked="" type="checkbox"/> s. Resource Rooms |
| <input checked="" type="checkbox"/> b. Administration | <input checked="" type="checkbox"/> k. Home & Careers | <input checked="" type="checkbox"/> t. Science Labs |
| <input checked="" type="checkbox"/> c. Art | <input checked="" type="checkbox"/> l. Kitchen | <input checked="" type="checkbox"/> u. Special Education |
| <input type="checkbox"/> d. Audio Visual | <input checked="" type="checkbox"/> m. Large Group Instruction | <input type="checkbox"/> v. Swimming Pool |
| <input checked="" type="checkbox"/> e. Auditorium | <input checked="" type="checkbox"/> n. Library | <input checked="" type="checkbox"/> w. Teacher Resource |
| <input checked="" type="checkbox"/> f. Cafeteria | <input type="checkbox"/> o. Multipurpose Rooms | <input type="checkbox"/> x. Technology/Shop |
| <input checked="" type="checkbox"/> g. Computer Room | <input checked="" type="checkbox"/> p. Music | <input type="checkbox"/> y. Other (please describe) |
| <input checked="" type="checkbox"/> h. Guidance | <input type="checkbox"/> q. Pre-K | |
| <input checked="" type="checkbox"/> i. Gymnasium | <input type="checkbox"/> r. Remedial Rooms | |

26y. Describe other spaces

(No Response)

Space Adequacy**27. Rating of space adequacy:**

- ☐ Good
☒ Fair
☐ Poor

27a. Enter comments:

(No Response)

28. Estimated capital construction expenses anticipated for this building through 2020-2021 school year excluding maintenance (to be answered after the building inspection is complete) \$

14,000,000.00

29. Overall building rating (to be answered after the building inspection is complete)

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Poor

30. Was overall building rating established after consultation with health and safety committee?

- ☒ Yes
☐ No

A/E Information:**31. A/E Firm Name:**

SEI Design Group Architects, DPC

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Program Spaces

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32. A/E Firm Address:

187 Wolf Road
Suite 304
Albany, NY 12205

33. A/E Firm Phone Number:

5184352467

34. E-mail:

msm@seidesigngroup.com

35. A/E Name:

Matthew S. Monaghan

36. A/E License #:

029199

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Site Utilities

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Site Utilities**37. Water**

- ☒ Yes
☐ No

37a. Type of Service:

- ☒ Municipal or Utility provided
☐ Well
☐ Other

37b. Condition:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

37c. Year of Last Major Reconstruction/Replacement:

2012

37d. Expected Remaining Useful Life (Years):

30

37e. Cost to Reconstruct/Replace \$:

(No Response)

37f. Comments:

(No Response)

38. Site Sanitary (H)

- ☒ Yes
☐ No

38a. Type of Service:

- ☒ Municipal or utility sewer
☐ Site septic
☐ Other

38b. Condition:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

38c. Year of Last Major Reconstruction/Replacement:

1990

38d. Expected Remaining Useful Life (Years):

5

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Site Utilities

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38e. Cost to reconstruct/Replace \$:

85,000.00

38f. Comments:

Main from building to street.

39. Site Gas (H)

☒ Yes☐ No

39a. Type of gas service:

☒ Natural Gas☐ Liquid Petroleum

39b. Condition:

☐ Excellent☒ Satisfactory☐ Unsatisfactory☐ Non-Functioning☐ Critical Failure

39c. Year of Last Major Reconstruction/Replacement;

1990

39d. Expected Remaining Useful Life (Years):

15

39e. Cost to Reconstruct/Replace \$:

(No Response)

39f. Comments:

Complete new service in 1990

40. Site Fuel Oil (H)

☐ Yes☒ No

41. Site Electrical, Including Exterior Distribution (H)

☒ Yes☐ No

41a. Service Provider:

☒ Municipal or utility provided☐ Self-Generated☐ Other☐ N/A

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Site Utilities

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41b. Type of Service:

- ☐ Above Ground
☒ Below Ground
☐ N/A

41c. Condition:

- ☒ Excellent
☐ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

41d. Year of Last Major Reconstruction/Replacement:

2009

41e. Expected Remaining Useful Life (Years):

20

41f. Cost to Reconstruct/Replace \$:

(No Response)

41g. Comments:

(No Response)

Stormwater Management**42. Closed Drainage Pipe Stormwater Management System****42a. Does this facility have a closed pipe system?**

- ☒ Yes
☐ No

42b. Condition:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

42c. Year of Last Major Reconstruction/Replacement:

1966

42d. Expected Remaining Useful Life (Years):

10

42e. Cost to Reconstruct/Replace \$:

150,000.00

42f. Comments:

Drainage improvements on west side of building at hillside.

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Site Utilities

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43. Open Drainage Pipe Stormwater Management System**43a. Does this facility have an open stormwater system (ditch)?**

- ☐ Yes
☒ No

44. Catch Basins/Drop Inlets/Manholes**44a. Does this facility have catch basins/drop inlets/manholes?**

- ☒ Yes
☐ No

44b. Condition:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

44c. Year of Last Major Reconstruction/Replacement:

1966

44d. Expected Remaining Useful Life (Years):

5

44e. Cost to Reconstruct/Replace \$:

63,000.00

44f. Comments:

Provide concrete aprons and replace brick risers.

45. Culverts**45a. Does this facility have culverts?**

- ☐ Yes
☒ No

46. Outfalls**46a. Does this facility have outfalls?**

- ☐ Yes
☒ No

47. Infiltration Basins/Chambers**47a. Does this facility have infiltration basins/chambers?**

- ☐ Yes
☒ No

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Site Utilities

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48. Retention Basins**48a. Does this facility have retention basins?**

- ☒ Yes
☐ No

48b. Condition:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

48c. Year of Last Major Reconstruction/Replacement:

2006

48d. Expected Remaining Useful Life (Years):

15

48e. Cost to Reconstruct/Replace \$:

20,000.00

48f. Comments:

Clean out silt and debris.

49. Wetponds**49a. Does this facility have wetponds?**

- ☐ Yes
☒ No

50. Manufactured Stormwater Proprietary Units**50a. Does this facility have proprietary units?**

- ☐ Yes
☒ No

51. Point of Outfall Discharge: (check all that apply)

- ☐ Municipal storm sewer system
☐ Combined sewer system
☒ Surface Water
☐ On-site recharge
☐ Other (describe)
☐ Not Applicable

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Site Utilities

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52. Outfall Reconnaissance Inventory

Were all stormwater outfalls inspected during dry weather for signs of non-stormwater discharge?

- ☒ Yes
- ☐ No
- ☐ Not Applicable

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Other Site Features

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Other Site Features**53. Pavement (Roadways and Parking Lots)**☒ Yes☐ No**53a. Type: (check all that apply)**☐ Concrete☒ Asphalt☐ Gravel☐ Other☐ None**53b. Condition:**☐ Excellent☒ Satisfactory☐ Unsatisfactory☐ Non-Functioning☐ Critical Failure**53c. Year of Last Major Reconstruction/Replacement:**

2009

53d. Expected Remaining Useful Life (Years):

10

53e. Cost to Reconstruct/Replace \$:

1,065,000.00

53f. Comments:

Replace curbing, replace student lot, expand main lot, pave gravel lots.

54. Sidewalks☒ Yes☐ No**54a. Type: (check all that apply)**☒ Concrete☒ Asphalt☐ Paver☐ Other**54b. Condition:**☐ Excellent☒ Satisfactory☐ Unsatisfactory☐ Non-Functioning☐ Critical Failure**54c. Year of Last Major Reconstruction/Replacement:**

2000

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Other Site Features

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54d. Expected Remaining Useful Life (Years):

5

54e. Cost to Reconstruct/Replace \$:

349,000.00

54f. Comments:

Replace student lot walk, asphalt walks, bus loop walk, pave track access.

55. Playgrounds and Playground Equipment☐ Yes☒ No**56. Athletic Fields and Play Fields**☒ Yes☐ No**56a. Condition:**☐ Excellent☒ Satisfactory☐ Unsatisfactory☐ Non-Functioning☐ Critical Failure**56b. Year of Last Major Reconstruction/Replacement:**

2006

56c. Expected Remaining Useful Life (Years):

5

56d. Cost to Reconstruct/Replace \$:

1,440,000.00

56e. Comments:

Tennis court coloring and net poles, baseball outfield, replace turf field.

56f. Does the facility have synthetic turf field(s)☒ Yes☐ No**56f.1 If Yes, how many synthetic turf fields?**

1

56f.2 Expected Remaining Useful Life of Synthetic Turf Field(s):

5

56f.3 Type of synthetic turf field infill:

CBR

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Other Site Features

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57. Exterior Bleachers / Stadiums

- ☒ Yes
☐ No

57a. Condition:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

57b. Year of Last Major Reconstruction/Replacement:

2006

57c. Expected Remaining Useful Life (Years):

20

57d. Cost to Reconstruct/Replace \$:

215,000.00

57e. Comments:

Add track gate, replace d-area curbing, new netting, softball bleachers.

58. Related Structures (such as Press Boxes, Dugouts, Climbing Walls, etc.)

- ☒ Yes
☐ No

58a. Condition:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

58b. Year of Last Major Reconstruction/Replacement:

2006

58c. Expected Remaining Useful Life (Years):

20

58d. Cost to Reconstruct/Replace \$:

31,000.00

58e. Comments:

Flagpole pulley system, baseball 3rd base dugout.

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Substructure

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Substructure**59. Foundation (S)****59a. Type (check all that apply):**

- ☒ Reinforced Concrete
- ☐ Masonry on Concrete Footing
- ☐ Other

59b. Evidence of structural concerns (check all that apply):

- ☒ Structural Cracks
- ☐ Heaving/Jacking
- ☐ Decay/Corrosion
- ☐ Water Penetration
- ☐ Unsupported Ends
- ☐ Other
- ☐ None

59c. Condition:

- ☐ Excellent
- ☒ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

59d. Year of Last Major Reconstruction/Replacement:

1966

59e. Expected Remaining Useful Life (Years):

10

59f. Cost to Reconstruct/Replace \$:

(No Response)

59g. Comments:

(No Response)

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Building Envelope

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BUILDING ENVELOPE**60. Structural Floors (S)****60a. Type (check all that apply):**

- ☒ Reinforced Concrete Slab on Grade
- ☒ Concrete/Metal Deck/Metal Joists
- ☐ Precast Concrete Structural System
- ☐ Wood Deck on Wood Trusses
- ☐ Wood Deck on Wood Joists
- ☐ Concrete Deck on Wood Structure
- ☐ Other (specify)

60b. Evidence of Structural Concerns with Floor Support System (Beams/Joists/Trusses, etc.) (check all that apply):

- ☐ Structural Cracks
- ☐ Unsupported Ends
- ☐ Rot/Decay/Corrosion
- ☐ Deflection
- ☐ Seriously Damaged/Missing Components
- ☐ Other Problems
- ☒ None

60b.1 Describe Other Problems:

(No Response)

60c. Evidence of Structural Concerns with Structural Floor Deck (check all that apply):

- ☐ Cracks
- ☐ Deflection
- ☐ Rot/Decay/Corrosion
- ☒ None

60d. Overall Condition of Structural Floors:

- ☐ Excellent
- ☒ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

60e. Year of Last Major Reconstruction/Replacement:

1966

60f. Expected Remaining Useful Life (Years):

10

60g. Cost to Reconstruct/Replace \$:

(No Response)

60h. Comments:

(No Response)

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Building Envelope

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61. Exterior Walls/Columns (S)**61a. Material (check all that apply):**

- ☐ Concrete
- ☒ Masonry
- ☐ Steel
- ☐ Wood
- ☐ Other (specify)

61b. Evidence of Structural Concerns with Support System (columns, base plates, connections, etc.) (check all that apply):

- ☐ Structural Cracks
- ☐ Rot/Decay/Corrosion
- ☐ Other Problems
- ☒ None

61b.1 Describe Other Problems:

(No Response)

61c. Evidence of Concerns with Exterior Cladding (check all that apply):

- ☐ Cracks/Gaps
- ☐ Inadequate Flashing
- ☐ Efflorescence
- ☐ Moisture Penetration
- ☐ Rot/Decay/Corrosion
- ☐ Other Problems
- ☒ None

61c.1 Describe Other Problems:

(No Response)

61d. Overall Condition of Exterior Walls/Columns:

- ☐ Excellent
- ☒ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

61e. Year of Last Major Reconstruction/Replacement:

2005

61f. Expected Remaining Useful Life (Years):

35

61g. Cost to Reconstruct/Replace \$:

(No Response)

61h. Comments:

(No Response)

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Building Envelope

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62. Chimneys (S)

- ☒ Yes
☐ No

62a. Material (check all that apply):

- ☒ Masonry
☐ Concrete
☐ Metal
☐ Wood
☐ Other

62a.1 Specify other:

(No Response)

62b. Overall Condition of Chimneys:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical failure

62c. Year of Last Major Reconstruction/Replacement:

1967

62d. Expected Remaining Useful Life (Years):

0

62e. Cost to Reconstruct/Replace \$:

(No Response)

62f. Comments:

(No Response)

63. Parapets (S)

- ☒ Yes
☐ No

63a. Construction Type (check all that apply):

- ☒ Masonry
☐ Concrete
☐ Metal
☐ Wood
☐ Other (specify)

63a.1 Specify Other:

(No Response)

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63b. Overall condition of parapets:

- ☐ Excellent
- ☒ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

63c. Year of Last Major Reconstruction/Replacement:

1966

63d. Expected Remaining Useful Life (Years):

5

63e. Cost to Reconstruct/Replace \$:

20,000.00

63f. Comments:

Prep and paint wood fascia (2016 project).

64. Exterior Doors**64a. Overall Condition of Exterior Door Units:**

- ☐ Excellent
- ☒ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

64b. Overall condition of exterior door hardware:

- ☐ Excellent
- ☒ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

64c. Do any exterior doors have magnetic locking devices?

- ☐ Yes
- ☒ No

64d. Safety/Security features are adequate?

- ☒ Yes
- ☐ No

64e. Year of Last Major Reconstruction/Replacement:

2002

64f. Expected Remaining Useful Life (Years):

15

64g. Cost to Reconstruct/Replace \$:

45,000.00

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64h. Comments:

Replace selected doors and hardware (2016 project).

65. Exterior Steps, Stairs, Ramps (S)

- ☒ Yes
☐ No

65a. Overall Condition of Exterior Steps, Stairs and Ramps

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

65b. Year of Last Major Reconstruction/Replacement:

1967

65c. Expected Remaining Useful Life (Years):

10

65d. Cost to Reconstruct/Replace \$:

95,000.00

65e. Comments:

Replace entrance handicap ramp and sidewalk, auditorium dock wall.

66. Fire Escapes (S)**66a. Does This Facility Have One or More Fire Escapes?**

- ☐ Yes
☒ No

67. Windows

- ☒ Yes
☐ No

67a. Window Material: (check all that apply)

- ☒ Aluminum
☐ Steel
☐ Vinyl
☐ Solid Wood
☐ Wood w/ External Cladding System
☐ Other

67b. Overall Condition of Windows:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

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67c. All Rescue Windows are Operable:

- ☒ Yes
☐ No
☐ N/A

67d. Year of Last Major Reconstruction/Replacement:

2000

67e. Expected Remaining Useful Life (Years):

15

67f. Cost to Reconstruct/Replace \$:

(No Response)

67g. Comments:

(No Response)

Roof and Skylights (S)**68. Roof and Skylights (S)**

- ☒ Yes
☐ No

68a. Type of roof construction (check all that apply):

- ☒ Metal deck on metal trusses/joists
☐ Wood deck on wood trusses/joists
☐ Wood deck on metal trusses/joists
☒ Concrete on metal deck on metal trusses/joists
☐ Other (describe below)

68a.1 Other roof construction type:

(No Response)

68b. Type of roofing material (check all that apply):

- ☐ Single-ply membrane
☒ Built-up
☐ Asphalt shingle
☐ Pre-formed metal
☐ IRMA
☐ Slate
☐ Other (describe below)

68b.1 Other roofing material:

(No Response)

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68c. Evidence of structural concerns with roof support system (beams/joists/trusses, etc.) (check all that apply):

- ☐ Structural cracks
- ☐ Unsupported ends
- ☐ Rot/Decay/Corrosion
- ☐ Deflection
- ☐ Seriously damaged/missing components
- ☐ Other concerns (describe)
- ☒ None

68c.1 Describe other concerns:

(No Response)

68d. Evidence of structural concerns with roof deck (check all that apply):

- ☐ Cracks
- ☐ Deflection
- ☒ Rot/Decay/Corrosion
- ☐ None

68e. Does this facility have skylights?

- ☒ Yes
- ☐ No

68f. Skylight material (check all that apply):

- ☒ Plastic
- ☐ Glass
- ☐ Other
- ☐ N/A

68g. Overall condition of skylights:

- ☐ Excellent
- ☒ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

68h. Evidence of concerns with roofing, skylights, flashings, and drains (check all that apply):

- ☐ Failures/Splits/Cracks
- ☒ Rot/Decay/Corrosion
- ☐ Inadequate flashing/curbs/pitch pockets
- ☐ Inadequate or poorly functioning roof drains
- ☐ Evidence of water penetration/active leaks
- ☒ Other (specify)
- ☐ None

68h.1 Specify other concerns:

Leaks.

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68i. Overall Condition of Roof and Skylights:

- ☐ Excellent
- ☒ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

68j. Year of Last Major Reconstruction/Replacement:

1999

68k. Expected Remaining Useful Life (Years):

2

68l. Cost to Reconstruct/Replace \$:

200,000.00

68m. Comments:

Selected roofing and skylights (2016 project).

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Interior Spaces

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INTERIOR SPACES**69. Interior Bearing Walls and Fire Walls (S)**

- ☒ Yes
☐ No

69a. Overall condition of interior bearing walls and fire walls:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-functioning
☐ Critical Failure

69b. Year of Last Major Reconstruction/Replacement:

1990

69c. Expected Remaining Useful Life (Years):

15

69d. Cost to Reconstruct/Replace \$:

(No Response)

69e. Comments:

(No Response)

Other Interior Walls**70. Other Interior Walls**

- ☒ Yes
☐ No

70a. Overall condition of other interior walls:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

70b. Year of Last Major Reconstruction/Replacement:

2009

70c. Expected Remaining Useful Life (Years):

10

70d. Cost to Reconstruct/Replace \$:

(No Response)

70e. Comments:

Major reconstruction planned in 2016 project.

Floor Finishes

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Interior Spaces

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71. Carpet

- ☒ Yes
☐ No

71a. Where located (check all that apply):

- ☐ Instructional Space
☒ Common Area

71b. Condition:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

71c. Year of Last Major Reconstruction/Replacement:

2010

71d. Expected Remaining Useful Life (Years):

10

71e. Cost to Reconstruct/Replace \$:

(No Response)

71f. Comments:

Major reconstruction planned in 2016 project.

72. Resilient Tiles or Sheet Flooring

- ☒ Yes
☐ No

72a. Where located (check all that apply):

- ☒ Instructional Space
☐ Common Area

72b. Overall condition of resilient tiles or sheet flooring:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

72c. Year of Last Major Reconstruction/Replacement:

2000

72d. Expected Remaining Useful Life (Years):

0

72e. Cost to Reconstruct/Replace \$:

120,000.00

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Interior Spaces

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72f. Comments:

Replace VAT flooring.

73. Hard Flooring (concrete; ceramic tile; stone; etc)☒ Yes☐ No**73a. Where located (check all that apply):**☐ Instructional Space☒ Common Area**73b. Overall condition of hard flooring:**☐ Excellent☒ Satisfactory☐ Unsatisfactory☐ Non-Functioning☐ Critical Failure**73c. Year of Last Major Reconstruction/Replacement:**

2009

73d. Expected Remaining Useful Life (Years):

10

73e. Cost to Reconstruct/Replace \$:

(No Response)

73f. Comments:

(No Response)

74. Wood Flooring☒ Yes☐ No**74a. Where located (check all that apply):**☐ Instructional Space☒ Common Area**74b. Overall condition of wood flooring:**☐ Excellent☒ Satisfactory☐ Unsatisfactory☐ Non-Functioning☐ Critical Failure**74c. Year of Last Major Reconstruction/Replacement:**

1966

74d. Expected Remaining Useful Life (Years):

10

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Interior Spaces

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74e. Cost to Reconstruct/Replace \$:

(No Response)

74f. Comments:

(No Response)

Ceilings (H)**75. Ceilings (H)**☒ Yes☐ No**75a. Overall condition of ceilings:**☐ Excellent☒ Satisfactory☐ Unsatisfactory☐ Non-Functioning☐ Critical Failure**75b. Year of Last Major Reconstruction/Replacement:**

1967

75c. Expected Remaining Useful Life (Years):

0

75d. Cost to Reconstruct/Replace \$:

300,000.00

75e. Comments:

Replace concealed spline ceiling (2016 project).

Lockers**76. Lockers**☒ Yes☐ No**76a. Overall condition of lockers:**☐ Excellent☐ Satisfactory☒ Unsatisfactory☐ Non-Functioning☐ Critical Failure**76b. Year of Last Major Reconstruction/Replacement:**

1967

76c. Expected Remaining Useful Life (Years):

0

76d. Cost to Reconstruct/Replace \$:

200,000.00

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Interior Spaces

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76e. Comments:

Replace lockers (2016 project).

Interior Doors**77. Interior Doors**☒ Yes☐ No**77a. Overall condition of interior door units:**

- ☐ Excellent
- ☒ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

77b. Overall condition of interior door hardware:

- ☐ Excellent
- ☐ Satisfactory
- ☒ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

77c. Year of Last Major Reconstruction/Replacement:

1972

77d. Expected Remaining Useful Life (Years):

0

77e. Cost to Reconstruct/Replace \$:

75,000.00

77f. Comments:

Replace cocksets (2016 project).

Interior Stairs (S)**78. Interior Stairs (S)**☒ Yes☐ No**78a. Overall condition of interior stairs:**

- ☐ Excellent
- ☒ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

78b. Year of Last Major Reconstruction/Replacement:

1967

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Interior Spaces

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78c. Expected Remaining Useful Life (Years):

10

78d. Cost to Reconstruct/Replace \$:

(No Response)

78e. Comments:

(No Response)

Elevator, Lifts and Escalators (H)**79. Elevator, Lift, and Escalators (H)**☒ Yes☐ No**79a. Overall condition of elevators, lifts, escalators:**☐ Excellent☒ Satisfactory☐ Unsatisfactory☐ Non-Functioning☐ Critical Failure**79b. Year of Last Major Reconstruction/Replacement:**

1967

79c. Expected Remaining Useful Life (Years):

10

79d. Cost to Reconstruct/Replace \$

(No Response)

79e. Comments:

(No Response)

Interior Electrical Distribution (H)**80. Interior Electrical Distribution (H)**☒ Yes☐ No**80a. Interior electrical supply meets current needs:**☒ Yes☐ No**80b. Condition of interior electrical distribution:**☐ Excellent☒ Satisfactory☐ Unsatisfactory☐ Non-Functioning☐ Critical Failure

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Interior Spaces

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80c. Year of Last Major Reconstruction/Replacement:

2009

80d. Expected Remaining Useful Life (Years):

0

80e. Cost to Reconstruct/Replace \$:

120000

80f. Comments:

Panels scheduled for replacement in 2016 project.

Lighting Fixtures**81. Interior Lighting Fixtures**☒ Yes☐ No**81a. Condition of interior lighting fixtures:**☐ Excellent☒ Satisfactory☐ Unsatisfactory☐ Non-Functioning☐ Critical Failure**81b. Year of Last Major Reconstruction/Replacement:**

2009

81c. Expected Remaining Useful Life (Years):

0

81d. Cost to Reconstruct/Replace \$:

(No Response)

81e. Comments:

Lighting scheduled for replacement with LED in 2016 project.

Communication Systems (H)**82. Communication Systems (H)**☒ Yes☐ No**82a. Communication systems are adequate:**☒ Yes☐ No

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Interior Spaces

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82b. Condition of communication systems:

- ☐ Excellent
- ☒ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

82c. Year of Last Major Reconstruction/Replacement:

2011

82d. Expected Remaining Useful Life (Years):

10

82e. Cost to Replace/Reconstruct \$:

(No Response)

82f. Comments:

VoIP added, PA head end being replaced in 2016 project.

Swimming Pool and Swimming Pool Systems**83. Swimming Pool and Swimming Pool Systems**

- ☐ Yes
- ☒ No

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Plumbing (Excluding HVAC Systems)

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PLUMBING**84. Water Distribution System (H)**☒ Yes☐ No**84a. Types of pipes (check all that apply):**

- ☐ Iron
- ☒ Galvanized
- ☒ Copper
- ☐ Lead
- ☐ PVC
- ☐ Other

84b. Overall condition of water distribution system:

- ☐ Excellent
- ☒ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

84c. Year of Last Major Reconstruction/Replacement:

2009

84d. Expected Remaining Useful Life (Years):

0

84e. Cost to Reconstruct/Replace \$:

250,000.00

84f. Comments:

Galvanized piping being replaced in 2016 project.

Plumbing Drainage System (H)**85. Plumbing Drainage System (H)**☒ Yes☐ No**85a. Types of pipes (check all that apply):**

- ☒ Iron
- ☐ Galvanized
- ☒ Copper
- ☐ Lead
- ☒ PVC
- ☐ Other

85b. Overall condition of drainage system:

- ☐ Excellent
- ☒ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Plumbing (Excluding HVAC Systems)

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85c. Year of Last Major Reconstruction/Replacement:

2009

85d. Expected Remaining Useful Life (Years):

0

85e. Cost to Reconstruct/Replace \$:

50,000.00

85f. Comments:

Gym and locker sanitary being replaced in 2016 project.

Hot Water Heaters (H)**86. Hot Water Heaters (H)**☒ Yes☐ No**86a. Type of fuel (check all that apply):**☐ Oil☒ Natural Gas☐ Electricity☐ Propane☐ Other**86b. Overall condition of hot water heaters:**☐ Excellent☒ Satisfactory☐ Unsatisfactory☐ Non-Functioning☐ Critical Failure**86c. Year of Last Major Reconstruction/Replacement:**

1990

86d. Expected Remaining Useful Life (Years):

0

86e. Cost to Reconstruct/Replace \$:

40,000.00

86f. Comments:

Hot water heaters being replaced in 2016 project.

Plumbing Fixtures**87. Plumbing Fixtures**☒ Yes☐ No

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Plumbing (Excluding HVAC Systems)

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87a. Overall condition of plumbing fixtures (including toilets, urinals, lavatories, etc):

- ☐ Excellent
- ☒ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

87b. Year of Last Major Reconstruction/Replacement:

2009

87c. Expected Remaining Useful Life (Years):

5

87d. Cost to Reconstruct/Replace \$:

75,000.00

87e. Comments:

Remaining original fixtures scheduled for replacement in 2016 project.

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

HVAC Systems

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HVAC SYSTEMS**88. HVAC Systems Type****88a. Does this building have a central HVAC system?**

- ☐ Yes
☒ No

Heat Generating Systems (H)**88b.1 Other central HVAC system technology:**

(No Response)

89. Heat Generating Systems (H)

- ☒ Yes
☐ No

89a. Heat generation source (check all that apply):

- ☒ Boiler / Hot Water
☐ Boiler / Steam
☐ Furnace / Forced Air
☐ Unit Ventilation
☐ Geothermal
☐ Biomass
☐ Electric
☐ Other (describe below)

89a.1 Other heat generation source:

(No Response)

89b. Overall condition of heat generating systems:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

89c. Year of Last Major Reconstruction/Replacement:

1990

89d. Expected Remaining Useful Life (Years):

10

89e. Cost to Reconstruct/Replace \$:

20,000.00

89f. Comments:

Install gas detection system - 7,500. Re-pipe boilers to correct circulation issues - 12,500. Work scheduled for 2016 project.

Heating Fuel/Energy Systems (H)

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HVAC Systems

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90. Heating Fuel / Energy Systems (H)

- ☒ Yes
☐ No

90a. Overall condition of heating fuel / energy systems:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

90b. Year of Last Major Reconstruction/Replacement:

1990

90c. Expected Remaining Useful Life (Years):

10

90d. Cost to Reconstruct/Replace \$:

(No Response)

90e. Comments:

(No Response)

Cooling/Air Conditioning Generating Systems**91. Cooling / Air-Conditioning Generating Systems**

- ☒ Yes
☐ No

91a. Overall condition of cooling/air-conditioning generating systems:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

91b. Year of Last Major Reconstruction/Replacement:

2009

91c. Expected Remaining Useful Life (Years):

15

91d. Cost to Reconstruct/Replace \$:

(No Response)

91e. Comments:

(No Response)

AIR HANDLING AND VENTILATION EQUIPMENT

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

HVAC Systems

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92. Air Handling and Ventilation Equipment: Supply Units, Exhaust Units, Relief/Return Units, etc. (H)

- ☒ Yes
☐ No

92a. Overall condition of air handling and ventilation systems:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

92b. Year of Last Major Reconstruction/Replacement:

2009

92c. Expected Remaining Useful Life (Years):

0

92d. Cost to Reconstruct/Replace \$:

1,096,325.00

92e. Comments:

Equipment scheduled for replacement in 2016 project.

Piped Heating and Cooling Distribution Systems**93. Piped Heating and Cooling Distribution Systems: Piping, Pumps, Radiators, Convectorss, Traps, Insulation, etc. (H)**

- ☒ Yes
☐ No

93a. Overall condition of piped heating and cooling distribution systems:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

93b. Year of Last Major Reconstruction/Replacement:

2009

93c. Expected Remaining Useful Life (Years):

0

93d. Cost to Reconstruct/Replace \$:

243,000.00

93e. Comments:

Scheduled for replacement in 2016 project.

Ducted Heating and Cooling Distribution Systems

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

HVAC Systems

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94. Ducted Heating and Cooling Distribution Systems: Ductwork, Control Dampers, Fire/Smoke Dampers, VAVs, Insulation, etc. (H)

- ☒ Yes
☐ No

94a. Overall condition of ducted heating and cooling distribution systems:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

94b. Year of Last Major Reconstruction/Replacement:

2009

94c. Expected Remaining Useful Life (Years):

15

94d. Cost to Reconstruct/Replace \$:

63,500.00

94e. Comments:

Classroom systems being replaced in 2016 project.

HVAC Control Systems**95. HVAC Control Systems (H)**

- ☒ Yes
☐ No

95a. Overall condition of control systems:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

95b. Year of Last Major Reconstruction/Replacement:

2009

95c. Expected Remaining Useful Life (Years):

0

95d. Cost to Reconstruct/Replace \$:

277,000.00

95e. Comments:

Systems being replaced in 2016 project.

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Fire Safety Systems

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Fire Safety Systems**96. Fire Alarm Systems (H)**

- ☒ Yes
☐ No

96a. Overall condition of fire alarm system:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

96b. Year of Last Major Reconstruction/Replacement:

2009

96c. Expected Remaining Useful Life (Years):

10

96d. Cost to Reconstruct/Replace \$:

30,000.00

96e. Comments:

System being upgraded to current code in 2016 project.

Smoke Detection System (H)**97. Smoke Detection Systems (H)**

- ☒ Yes
☐ No

97a. Overall condition of smoke detection systems:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

97b. Year of Last Major Reconstruction/Replacement:

2009

97c. Expected Remaining Useful Life (Years):

10

97d. Cost to Reconstruct/Replace \$:

(No Response)

97e. Comments:

System being upgraded in 2016 project.

Fire Suppression Systems

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Fire Safety Systems

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98. Fire Suppression Systems: Sprinklers, Standpipes, Kitchen Hoods, etc. (H)

- ☒ Yes
☐ No

98a. Overall condition of fire suppression systems:

- ☐ Excellent
☐ Satisfactory
☒ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

98b. Year of Last Major Reconstruction/Replacement:

1966

98c. Expected Remaining Useful Life (Years):

0

98d. Cost to Reconstruct/Replace \$:

45,000.00

98e. Comments:

Kitchen hoods do not have fire suppression.

Emergency/Exit Lighting Systems**99. Emergency / Exit Lighting Systems (H)**

- ☒ Yes
☐ No

99a. Overall condition of emergency / exit lighting systems:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

99b. Year of Last Major Reconstruction/Replacement:

2009

99c. Expected Remaining Useful Life (Years):

5

99d. Cost to Reconstruct/Replace \$:

70,000.00

99e. Comments;

Emergency lighting is being upgraded in 2016 project.

Emergency/Standby Power Systems

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Fire Safety Systems

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100. Emergency or Standby Power System (H)

- ☐ Yes
☒ No

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Accessibility

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ACCESSIBILITY**101. Exterior Accessible Route (H)**

People with disabilities should be able to arrive on site, approach the building, and enter as freely as everyone else. At least one route of travel should be safe and accessible for everyone, including people with disabilities. This route must include handicapped parking, curb cuts, ramps, and automatic door operators as necessary to enter the building.

Is there an accessible exterior route as specified above?

- ☒ Yes
☐ No

102. Interior Accessible Route, Access to Goods and Services, and Restroom Facilities (H)

The layout of the building should allow people with disabilities to obtain materials or services and use the facilities without assistance. This should include access to general purpose and specialized classrooms, public assembly spaces (such as libraries, gymnasiums, auditoriums), nurse's office, main office, and restroom facilities. Services include drinking fountains, telephones, and other amenities.

Is there an accessible interior route as specified above?

- ☒ Yes
☐ No

103. Additional Information on Accessibility

If the building lacks accessible interior or exterior routes:

103a. Cost of improvements needed to provide accessible exterior and interior routes as specified above \$:

(No Response)

103b. Comments:

(No Response)

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Environment/Comfort/Health

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ENVIRONMENT/COMFORT/HEALTH**104. General Appearance****104a. Overall Rating:**

- ☒ Good
- ☐ Fair
- ☐ Poor

104b. Comments:

(No Response)

105. Cleanliness**105a. Overall Rating:**

- ☒ Good
- ☐ Fair
- ☐ Poor

105b. Comments:

(No Response)

106. Are there walk off mats; grills in the entryway?

- ☒ Yes
- ☐ No

106a. If yes: at least 6 feet long?

- ☒ Yes
- ☐ No

107. Is there noise in classrooms from HVAC units, traffic, etc. that may impact education?

- ☐ Yes
- ☒ No

108. Lighting Quality:**108a. Types of lighting in general purpose classrooms (check all that apply):**

- ☒ Daylight
- ☒ Fluorescent-not full spectrum
- ☐ Fluorescent full spectrum
- ☐ Incandescent
- ☒ Other (describe)

108a.1 Describe Other:

Dimmable LED being provided in 2016 project.

108b. Are there blinds in the classroom to prevent glare?

- ☒ Yes
- ☐ No

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Environment/Comfort/Health

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108c. Overall Rating:

- ☐ Good
- ☒ Fair
- ☐ Poor

108d. Comments:

(No Response)

109. Evidence of Vermin

109a. Is there evidence of active infestations of...(check all that apply)?

- ☐ Rodents
- ☐ Wood-boring or Wood-eating Insects
- ☐ Cockroaches
- ☐ Other Vermin
- ☒ None

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Indoor Air Quality

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Indoor Air Quality**110. Mold****110a. Is there visible mold or moldy odors?**

- ☐ Yes
☒ No

110c. Are any surfaces constructed of any of the following materials?

- ☒ Paper-faced or gypsum products
☐ Cellulose products (typically ceiling tiles)

110d. Estimated cost of necessary improvements \$:

(No Response)

110d. Comments:

(No Response)

111. Humidity/Moisture**111a. Overall rating of humidity/moisture condition in building:**

- ☐ Good
☒ Fair
☐ Poor

111b. Are any of the following found in/or around classroom areas (check all that apply)?

- ☐ Active leaks in roof
☐ Active leaks in plumbing
☐ Moisture condensation
☐ Visible stains or water damage
☒ None

111c. Are any of the following found in/or around other areas (check all that apply)?

- ☐ Active leaks in roof
☒ Active leaks in plumbing
☒ Moisture condensation
☐ Visible stains or water damage
☐ None

112. Ventilation: fresh air intake locations, air filters, etc.**112a. Are fresh air intakes near the bus loading, truck delivery, or garbage storage/disposal areas?**

- ☐ Yes
☒ No

112b. Is there accumulated dirt, dust or debris around fresh air intakes?

- ☒ Yes
☐ No

112c. Are fresh air intakes free of blockage?

- ☒ Yes
☐ No

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Indoor Air Quality

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112d. Is accumulated dirt, dust or debris in ductwork?

- ☒ Yes
☐ No

112e. Are dampers functioning as designed?

- ☒ Yes
☐ No

112f. Condition of air filters:

- ☐ Good
☒ Fair
☐ Poor

112g. Outside air is adequate for occupant load:

- ☒ Yes
☐ No

112h. Rating of ventilation/indoor air quality:

- ☐ Good
☒ Fair
☐ Poor

112i. Comments:

(No Response)

113. Indoor Air Quality (IAQ) Plan**113a. Does the school district use EPA's Tools for Schools program?**

- ☐ Yes
☒ No

113b. If No, is some other IAQ management plan used?

- ☒ Yes
☐ No

113c. Has the District assigned IAQ responsibilities to a designated individual?

- ☒ Yes
☐ No

113c.1 If Yes, what is their job title?

Health and Safety Officer.

114. Does the school practice IPM?

- ☒ Yes
☐ No

114a. Is vegetation kept one foot away from the building?

- ☒ Yes
☐ No

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Indoor Air Quality

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114b. Are crevices and holes in walls, floors and pavement sealed or eliminated?

- ☒ Yes
☐ No

114c. Is there a certified pesticide applicator on staff?

- ☐ Yes
☒ No

114d. Are pesticides used in the building?

- ☐ Yes
☒ No

114d.1 If Yes, how are they typically applied?

- ☐ Spot treatment
☐ Area wide treatments

114e. Are pesticides used on the grounds?

- ☐ Yes
☒ No

114e.1 If Yes, was an emergency exemption granted by the Board of Education?

- ☐ Yes
☐ No

115. Does the school have a passive radon mitigation system installed (was built with radon resistant features)?

- ☐ Yes
☒ No

115a. Has the facility been tested for the presence of radon?

- ☒ Yes
☐ No

115b. Were any of the results of the test greater than or equal to 4 picocuries per liter (pCi/L)?

- ☐ Yes
☒ No

115c. If Yes, did the school take steps to mitigate the elevated radon levels?

- ☐ Yes, active mitigation system installed
☐ Yes, passive mitigation system made active
☐ Yes, ventilation controls (HVAC) adjusted
☐ Yes, other (describe)
☐ No action taken

115c.1 Describe other actions taken to mitigate elevated radon levels:

(No Response)

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

American Red Cross

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American Red Cross Shelter

116. American Red Cross Shelter

☐ Yes

☒ No

KASSON ROAD ELEMENTARY SCHOOL

Year Constructed: 1959

Stories: 1

Building Area: 37,739 approximate GSF

Primary Occupancy: E - Educational



The Kasson Road Elementary School is located 4641 Kasson Road, Syracuse, NY 13215. The original building was constructed in 1959 and has had no additions.

The School is single-story building with masonry bearing walls and steel framing bearing on reinforced concrete foundation walls and footings. The roof structure consists of steel beams, open web joists and laminated wood girders with gypsum plank and wood decking. The exterior walls consist of solid masonry with brick exterior finish. Interior partition walls are masonry and plaster. The floors are cast-in-place concrete slab on grade. The structural systems are in fair shape, with no visible signs of distress.

The roof consists of EPDM membrane roofing which is nearing the end of its useful life as well as built-up membrane.

The following items were identified as having a need for completion over the next five years:

1. Site Items:

- Replace brick risers in structures with precast rings (5).
- Provide concrete apron for structures in pavement (2).
- Replace west parking lot pavement.
- Replace basketball court and hoops.
- Update playscape and provide paved access.

2. Building Envelope Items:

- Replace exterior entrance doors and frames (7) and OH door.
- Replace EPDM roofs.
- Replace windows at gym.
- Masonry / concrete restoration (piers at rear).

3. Building Interior Space Items:

- Provide interior door ADA levers.
- Replace concealed spline ceilings.
- Hazardous material abatement.
- Replace classroom casework.

4. Mechanical/Plumbing Systems Items:

- Add A/C to data closet.
- Replace original equipment: supply units, exhaust units, relief/return units, etc.
- Replace original heat piping.
- Replace original terminal units.
- Clean gym and cafeteria ductwork.
- Replace pneumatic controls with electronic DDC.
- Replace all original plumbing fixtures.
- Replace all crawl space CW, HW, HWR piping (asbestos on piping).
- Install strainer before BFP.

5. Electrical/Technology System Items:

- Add gas detection to boiler room.
- Add strobes to classrooms.
- Lighting fixture replacement.
- Original electrical distribution.
- Provide paging system.
- Emergency/Exit light upgrades.

PHOTOS OF IDENTIFIED BCS AND FIVE YEAR PLAN ITEMS



KES – Gym windows



KES – Gym windows



KES – Masonry/concrete restoration – structural piers



KES – Masonry/concrete restoration – structural piers



KES – Door and hardware replacement



KES – Door and hardware replacement



KES – Replace concealed spline ceilings and lighting



KES – Replace concealed spline ceilings and lighting



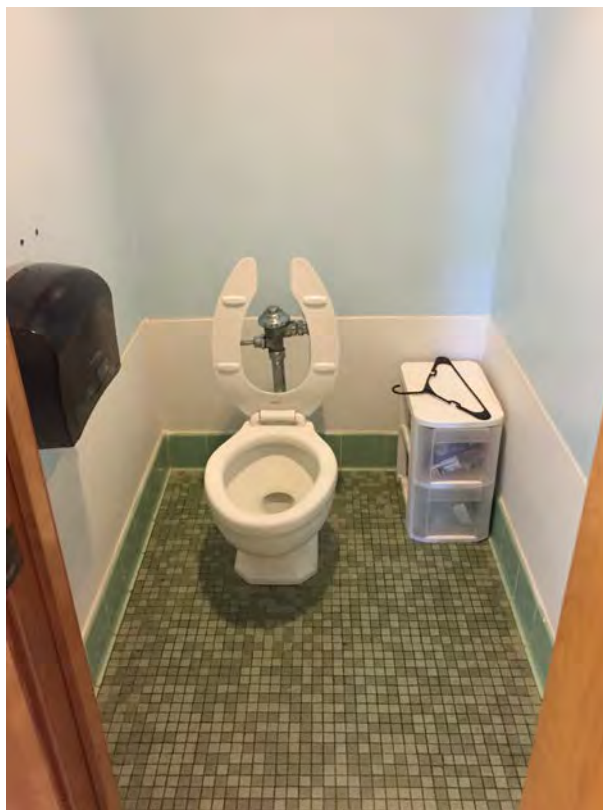
KES – Replace classroom cabinetry/plumbing fixtures



KES – Replace classroom cabinetry/plumbing fixtures



KES - Replace terminal units / heat piping



KES - Replace original plumbing fixtures

Building Condition Survey Supplemental Information

Project:	Marcellus CSD - Kasson Road		
Architect:	SEI Design Group		
Date of Visit:	5-31-2016	Weather:	Sunny
Participants:	Brittany Belding		

The following photographs were taken by Appel Osborne Landscape Architecture (AOLA) for providing additional information on items identified during the NYS Education Department Building Condition Survey reviews with the Owner and design team. All photographs are keyed into an overall site plan and line item budgets, both of which are provided by AOLA.



Photograph Number: 1
Budget Line Item Number: \$13,000 (42/44)

Item Description:

Replace brink risers in structures with precast rings
(5 structures)



Photograph Number: 2
Budget Line Item Number: \$5,000 (42/44)

Item Description:

Provide concrete apron for structures in pavement
(2 structures)



Photograph Number: 3
Budget Line Item Number: \$170,000 (53)

Item Description:

Replace west parking lot pavement
(approx 20,000 sf)

Building Condition Survey Supplemental Information

Project:	Marcellus CSD - Kasson Road		
Architect:	SEI Design Group		
Date of Visit:	5-31-2016	Weather:	Sunny
Participants:	Brittany Belding		

The following photographs were taken by Appel Osborne Landscape Architecture (AOLA) for providing additional information on items identified during the NYS Education Department Building Condition Survey reviews with the Owner and design team. All photographs are keyed into an overall site plan and line item budgets, both of which are provided by AOLA.



Photograph Number: 4
Budget Line Item Number: \$20,000 (54)

Item Description:

Replace damaged concrete walk near main entrance under canopy (approx 1,000 sf)



Photograph Number: 5
Budget Line Item Number: \$50,000 (55)

Item Description:

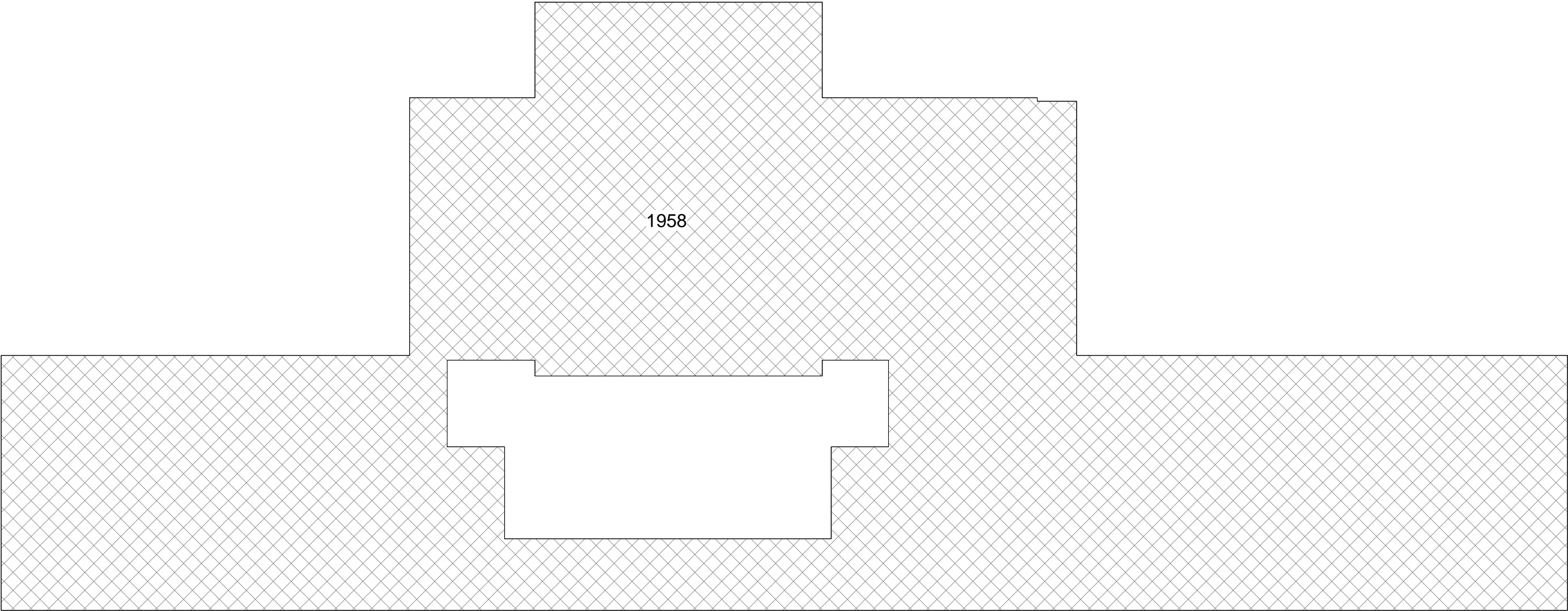
Replace basketball court and hoops



Photograph Number: 6
Budget Line Item Number: \$250,000 (55)

Item Description:

Update playscape and provide paved access



1

OVERALL LEGACY PLAN

1" = 30'-0"



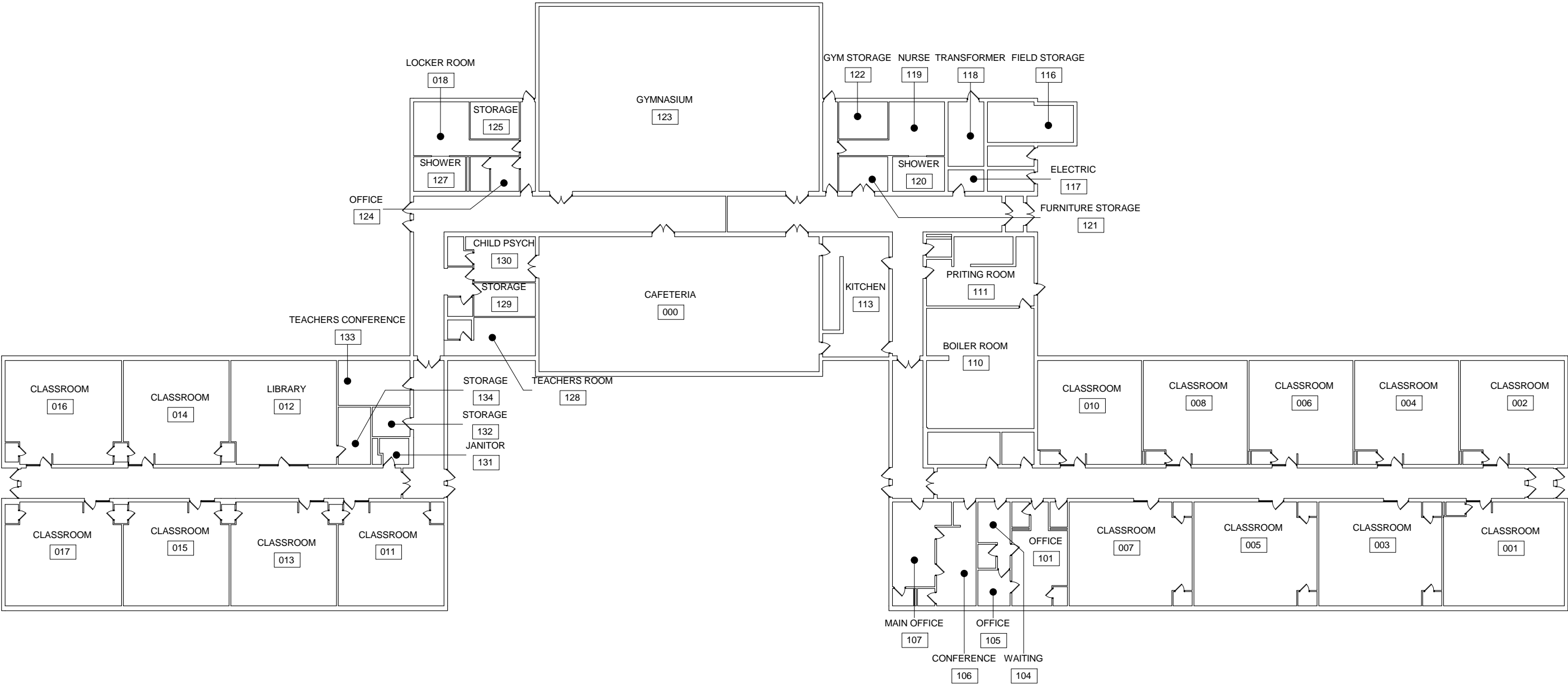
MARCELLUS CENTRAL SCHOOL DISTRICT

KASSON ROAD ELEMENTARY

OVERALL LEGACY PLAN

KE 0.00

Scale 1" = 30'-0"



1 OVERALL FIRST FLOOR PLAN

1" = 30'-0"

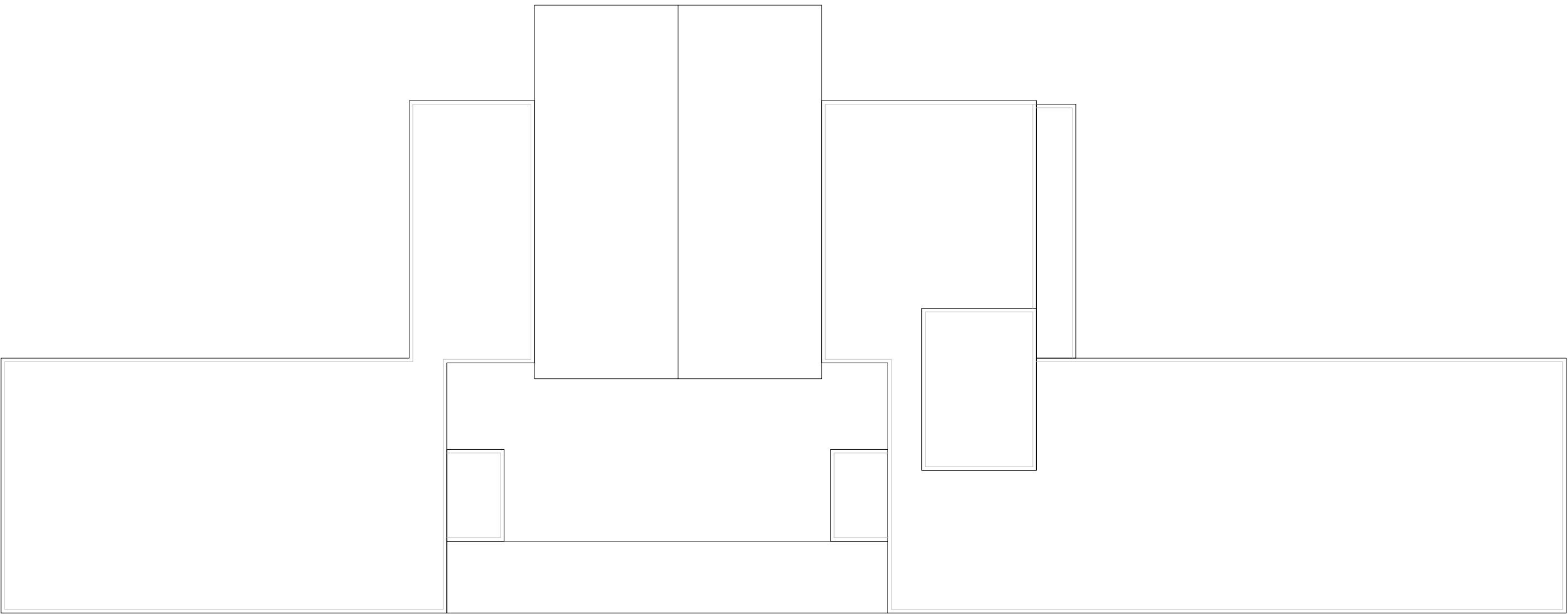


MARCELLUS CENTRAL SCHOOL DISTRICT
KASSON ROAD ELEMENTARY

OVERALL FIRST FLOOR PLAN

KE 0.01

Scale 1" = 30'-0"



1

OVERALL ROOF PLAN

1" = 30'-0"



MARCELLUS CENTRAL SCHOOL DISTRICT

KASSON ROAD ELEMENTARY

OVERALL ROOF PLAN

KE 0.02

Scale 1" = 30'-0"

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Building Information

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Building Information**1. Name of School District:**

MARCELLUS CSD

2. SED District 8-Digit BEDS Code:

421101060000

3. Building Name:

Kasson Road Elementary School

4. SED 4-Digit Facility Code:

0003

5. Survey Inspection Date:

11/03/2015

6. Building 911 Address:

4641 Kasson Road

7. City:

Syracuse

8. Zip Code:

13215

9. Certificate of Occupancy Status:

- ☒ A - Annual
☐ T - Temporary
☐ N - None

10. Certificate of Occupancy Expiration Date:

03/01/2017

Building Age, Gross Square Footage and Maintenance Staff**11. Year of Original Building:**

1959

12. Gross square ft. of Building as currently configured:

37,739

13. Number of Floors:

1

14. How many full-time and part-time custodians are employed at the school (or work in the building)?

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Building Information

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	Count Employees
Full-time custodians:	2
Part-time custodians:	0
Totals:	2.00

Building Ownership and Occupancy Status**15. Building Ownership (check one):**

- ☐ Owned and used by district
☐ Owned by District and leased to non-district entity
☒ Owned by District, part used by district, part leased to non-district entity
☐ Owned by non-district entity and leased to district

16. For which of the following purposes is the building currently used? (check all that apply)

- ☒ Used for student instructional purposes
☐ Used for district administration
☐ Used for other district purposes
☐ Used by other organization(s)

Building Users

17. How many students were registered to receive instruction in this building as of October 1, 2014? (If none, enter "0") and skip to "Program Spaces" section. (Do not include evening class students)

0

18. Of these registered students, how many receive most of their instruction in:

	Quantity
18a. Permanent instructional spaces (i.e., regular classrooms)	0
18b. Temporary instructional spaces (i.e., portable or demountable classrooms) attached to the building	0
18c. Non-instructional spaces used as instructional spaces	0

18c.1 If the answer is greater than zero, which types of non-instructional spaces were being used for instructional purposes on October 1, 2014? (check all that apply)

- ☐ Cafeteria
☐ Gymnasium
☐ Administrative Spaces
☐ Library
☐ Lobby
☐ Stairwell
☐ Storage space
☐ Other (please describe)
☒ None

19. Grades Housed:

N/A

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20. For how many instructional days during the 2013-14 school year (July 1 through June 30, was the building closed due to facilities failures, system malfunctions, structural problems, fire, etc? (if none, enter "0")

0

21. Is the building used for instructional purposes in the summer?

☐ Yes

☒ No

22. Have there been renovations or construction in the building during the past 12 months?

☐ Yes

☒ No

23. Was major construction/renovation work since 2010 conducted when school was in session?

☐ Yes

☒ No

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Program Spaces

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Program Spaces**24. Number of instructional classrooms:**

16

25. Gross square footage of all instructional classrooms (combined):

13,000.00

26. Other spaces provided: (check all that apply)

- | | | |
|---|--|---|
| <input type="checkbox"/> a. N/A (none) | <input checked="" type="checkbox"/> j. Health Office | <input checked="" type="checkbox"/> s. Resource Rooms |
| <input checked="" type="checkbox"/> b. Administration | <input type="checkbox"/> k. Home & Careers | <input type="checkbox"/> t. Science Labs |
| <input type="checkbox"/> c. Art | <input checked="" type="checkbox"/> l. Kitchen | <input type="checkbox"/> u. Special Education |
| <input type="checkbox"/> d. Audio Visual | <input type="checkbox"/> m. Large Group Instruction | <input type="checkbox"/> v. Swimming Pool |
| <input type="checkbox"/> e. Auditorium | <input checked="" type="checkbox"/> n. Library | <input type="checkbox"/> w. Teacher Resource |
| <input checked="" type="checkbox"/> f. Cafeteria | <input type="checkbox"/> o. Multipurpose Rooms | <input type="checkbox"/> x. Technology/Shop |
| <input type="checkbox"/> g. Computer Room | <input checked="" type="checkbox"/> p. Music | <input type="checkbox"/> y. Other (please describe) |
| <input type="checkbox"/> h. Guidance | <input type="checkbox"/> q. Pre-K | |
| <input checked="" type="checkbox"/> i. Gymnasium | <input type="checkbox"/> r. Remedial Rooms | |

26y. Describe other spaces

(No Response)

Space Adequacy**27. Rating of space adequacy:**

- ☒ Good
☐ Fair
☐ Poor

27a. Enter comments:

(No Response)

28. Estimated capital construction expenses anticipated for this building through 2020-2021 school year excluding maintenance (to be answered after the building inspection is complete) \$

500,000.00

29. Overall building rating (to be answered after the building inspection is complete)

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Poor

30. Was overall building rating established after consultation with health and safety committee?

- ☒ Yes
☐ No

A/E Information:**31. A/E Firm Name:**

SEI Design Group Architects, DPC

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Program Spaces

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32. A/E Firm Address:

187 Wolf Road
Suite 304
Albany, NY 12205

33. A/E Firm Phone Number:

5184352467

34. E-mail:

msm@seidesigngroup.com

35. A/E Name:

Matthew S. Monaghan

36. A/E License #:

029199

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Site Utilities

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Site Utilities**37. Water**

- ☒ Yes
☐ No

37a. Type of Service:

- ☒ Municipal or Utility provided
☐ Well
☐ Other

37b. Condition:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

37c. Year of Last Major Reconstruction/Replacement:

1970

37d. Expected Remaining Useful Life (Years):

10

37e. Cost to Reconstruct/Replace \$:

(No Response)

37f. Comments:

(No Response)

38. Site Sanitary (H)

- ☒ Yes
☐ No

38a. Type of Service:

- ☐ Municipal or utility sewer
☒ Site septic
☐ Other

38b. Condition:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

38c. Year of Last Major Reconstruction/Replacement:

2003

38d. Expected Remaining Useful Life (Years):

20

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Site Utilities

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38e. Cost to reconstruct/Replace \$:

(No Response)

38f. Comments:

(No Response)

39. Site Gas (H)☒ Yes☐ No**39a. Type of gas service:**☒ Natural Gas☐ Liquid Petroleum**39b. Condition:**☐ Excellent☒ Satisfactory☐ Unsatisfactory☐ Non-Functioning☐ Critical Failure**39c. Year of Last Major Reconstruction/Replacement;**

1988

39d. Expected Remaining Useful Life (Years):

25

39e. Cost to Reconstruct/Replace \$:

(No Response)

39f. Comments:

(No Response)

40. Site Fuel Oil (H)☐ Yes☒ No**41. Site Electrical, Including Exterior Distribution (H)**☒ Yes☐ No**41a. Service Provider:**☒ Municipal or utility provided☐ Self-Generated☐ Other☐ N/A

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Site Utilities

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41b. Type of Service:

- ☒ Above Ground
☐ Below Ground
☐ N/A

41c. Condition:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

41d. Year of Last Major Reconstruction/Replacement:

2003

41e. Expected Remaining Useful Life (Years):

15

41f. Cost to Reconstruct/Replace \$:

(No Response)

41g. Comments:

(No Response)

Stormwater Management**42. Closed Drainage Pipe Stormwater Management System****42a. Does this facility have a closed pipe system?**

- ☒ Yes
☐ No

42b. Condition:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

42c. Year of Last Major Reconstruction/Replacement:

1959

42d. Expected Remaining Useful Life (Years):

5

42e. Cost to Reconstruct/Replace \$:

18,000.00

42f. Comments:

Replace brick risers and provide concrete aprons.

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Site Utilities

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43. Open Drainage Pipe Stormwater Management System

43a. Does this facility have an open stormwater system (ditch)?

- ☐ Yes
☒ No

44. Catch Basins/Drop Inlets/Manholes

44a. Does this facility have catch basins/drop inlets/manholes?

- ☒ Yes
☐ No

44b. Condition:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

44c. Year of Last Major Reconstruction/Replacement:

1959

44d. Expected Remaining Useful Life (Years):

5

44e. Cost to Reconstruct/Replace \$:

18,000.00

44f. Comments:

Replace brick risers and provide concrete aprons.

45. Culverts

45a. Does this facility have culverts?

- ☐ Yes
☒ No

46. Outfalls

46a. Does this facility have outfalls?

- ☐ Yes
☒ No

47. Infiltration Basins/Chambers

47a. Does this facility have infiltration basins/chambers?

- ☐ Yes
☒ No

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Site Utilities

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48. Retention Basins**48a. Does this facility have retention basins?**

- ☐ Yes
☒ No

49. Wetponds**49a. Does this facility have wetponds?**

- ☐ Yes
☒ No

50. Manufactured Stormwater Proprietary Units**50a. Does this facility have proprietary units?**

- ☐ Yes
☒ No

51. Point of Outfall Discharge: (check all that apply)

- ☐ Municipal storm sewer system
☐ Combined sewer system
☒ Surface Water
☐ On-site recharge
☐ Other (describe)
☐ Not Applicable

52. Outfall Reconnaissance Inventory**Were all stormwater outfalls inspected during dry weather for signs of non-stormwater discharge?**

- ☒ Yes
☐ No
☐ Not Applicable

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Other Site Features

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Other Site Features**53. Pavement (Roadways and Parking Lots)**

- ☒ Yes
☐ No

53a. Type: (check all that apply)

- ☐ Concrete
☒ Asphalt
☐ Gravel
☐ Other
☐ None

53b. Condition:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

53c. Year of Last Major Reconstruction/Replacement:

2010

53d. Expected Remaining Useful Life (Years):

10

53e. Cost to Reconstruct/Replace \$:

170,000.00

53f. Comments:

Replace west parking lot pavement.

54. Sidewalks

- ☒ Yes
☐ No

54a. Type: (check all that apply)

- ☒ Concrete
☐ Asphalt
☐ Paver
☐ Other

54b. Condition:

- ☐ Excellent
☐ Satisfactory
☒ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

54c. Year of Last Major Reconstruction/Replacement:

2010

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Other Site Features

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54d. Expected Remaining Useful Life (Years):

15

54e. Cost to Reconstruct/Replace \$:

20,000.00

54f. Comments:

Replace damaged concrete at front of building.

55. Playgrounds and Playground Equipment☒ Yes☐ No**55a. Condition:**☐ Excellent☒ Satisfactory☐ Unsatisfactory☐ Non-Functioning☐ Critical Failure**55b. Year of Last Major Reconstruction/Replacement:**

1985

55c. Expected Remaining Useful Life (Years):

5

55d. Cost to Reconstruct/Replace \$:

300,000.00

55e. Comments:

Update playscape and provide paved access and replace basketball court.

56. Athletic Fields and Play Fields☒ Yes☐ No**56a. Condition:**☐ Excellent☒ Satisfactory☐ Unsatisfactory☐ Non-Functioning☐ Critical Failure**56b. Year of Last Major Reconstruction/Replacement:**

2010

56c. Expected Remaining Useful Life (Years):

15

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56d. Cost to Reconstruct/Replace \$:

(No Response)

56e. Comments:

(No Response)

56f. Does the facility have synthetic turf field(s)☐ Yes☒ No**56f.1 If Yes, how many synthetic turf fields?**

(No Response)

56f.2 Expected Remaining Useful Life of Synthetic Turf Field(s):

(No Response)

56f.3 Type of synthetic turf field infill:

(No Response)

57. Exterior Bleachers / Stadiums☐ Yes☒ No**58. Related Structures (such as Press Boxes, Dugouts, Climbing Walls, etc.)**☐ Yes☒ No

2015 Building Condition Survey Instrument - 2015 Building Conditions SurveySubstructure

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Substructure**59. Foundation (S)****59a. Type (check all that apply):**

- ☒ Reinforced Concrete
- ☐ Masonry on Concrete Footing
- ☐ Other

59b. Evidence of structural concerns (check all that apply):

- ☒ Structural Cracks
- ☐ Heaving/Jacking
- ☒ Decay/Corrosion
- ☐ Water Penetration
- ☐ Unsupported Ends
- ☐ Other
- ☐ None

59c. Condition:

- ☐ Excellent
- ☒ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

59d. Year of Last Major Reconstruction/Replacement:

1959

59e. Expected Remaining Useful Life (Years):

0

59f. Cost to Reconstruct/Replace \$:

57,500.00

59g. Comments:

(No Response)

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Building Envelope

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BUILDING ENVELOPE**60. Structural Floors (S)****60a. Type (check all that apply):**

- ☒ Reinforced Concrete Slab on Grade
- ☐ Concrete/Metal Deck/Metal Joists
- ☐ Precast Concrete Structural System
- ☐ Wood Deck on Wood Trusses
- ☐ Wood Deck on Wood Joists
- ☐ Concrete Deck on Wood Structure
- ☐ Other (specify)

60b. Evidence of Structural Concerns with Floor Support System (Beams/Joists/Trusses, etc.) (check all that apply):

- ☐ Structural Cracks
- ☐ Unsupported Ends
- ☐ Rot/Decay/Corrosion
- ☐ Deflection
- ☐ Seriously Damaged/Missing Components
- ☐ Other Problems
- ☒ None

60b.1 Describe Other Problems:

(No Response)

60c. Evidence of Structural Concerns with Structural Floor Deck (check all that apply):

- ☐ Cracks
- ☐ Deflection
- ☐ Rot/Decay/Corrosion
- ☒ None

60d. Overall Condition of Structural Floors:

- ☐ Excellent
- ☒ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

60e. Year of Last Major Reconstruction/Replacement:

1959

60f. Expected Remaining Useful Life (Years):

10

60g. Cost to Reconstruct/Replace \$:

(No Response)

60h. Comments:

(No Response)

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Building Envelope

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61. Exterior Walls/Columns (S)**61a. Material (check all that apply):**

- ☐ Concrete
- ☒ Masonry
- ☐ Steel
- ☐ Wood
- ☐ Other (specify)

61b. Evidence of Structural Concerns with Support System (columns, base plates, connections, etc.) (check all that apply):

- ☐ Structural Cracks
- ☐ Rot/Decay/Corrosion
- ☐ Other Problems
- ☒ None

61b.1 Describe Other Problems:

(No Response)

61c. Evidence of Concerns with Exterior Cladding (check all that apply):

- ☐ Cracks/Gaps
- ☐ Inadequate Flashing
- ☐ Efflorescence
- ☐ Moisture Penetration
- ☐ Rot/Decay/Corrosion
- ☐ Other Problems
- ☒ None

61c.1 Describe Other Problems:

(No Response)

61d. Overall Condition of Exterior Walls/Columns:

- ☐ Excellent
- ☒ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

61e. Year of Last Major Reconstruction/Replacement:

1995

61f. Expected Remaining Useful Life (Years):

5

61g. Cost to Reconstruct/Replace \$:

(No Response)

61h. Comments:

(No Response)

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62. Chimneys (S)☒ Yes☐ No**62a. Material (check all that apply):**☒ Masonry☐ Concrete☐ Metal☐ Wood☐ Other**62a.1 Specify other:**

(No Response)

62b. Overall Condition of Chimneys:☐ Excellent☒ Satisfactory☐ Unsatisfactory☐ Non-Functioning☐ Critical failure**62c. Year of Last Major Reconstruction/Replacement:**

1988

62.d Expected Remaining Useful Life (Years):

15

62e. Cost to Reconstruct/Replace \$:

(No Response)

62f. Comments:

(No Response)

63. Parapets (S)☐ Yes☒ No**63f. Comments:**

(No Response)

64. Exterior Doors**64a. Overall Condition of Exterior Door Units:**☐ Excellent☒ Satisfactory☐ Unsatisfactory☐ Non-Functioning☐ Critical Failure

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64b. Overall condition of exterior door hardware:

- ☐ Excellent
- ☒ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

64c. Do any exterior doors have magnetic locking devices?

- ☐ Yes
- ☒ No

64d. Safety/Security features are adequate?

- ☒ Yes
- ☐ No

64e. Year of Last Major Reconstruction/Replacement:

2002

64f. Expected Remaining Useful Life (Years):

5

64g. Cost to Reconstruct/Replace \$:

124,200.00

64h. Comments:

(No Response)

65. Exterior Steps, Stairs, Ramps (S)

- ☒ Yes
- ☐ No

65a. Overall Condition of Exterior Steps, Stairs and Ramps

- ☐ Excellent
- ☒ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

65b. Year of Last Major Reconstruction/Replacement:

1990

65c. Expected Remaining Useful Life (Years):

15

65d. Cost to Reconstruct/Replace \$:

(No Response)

65e. Comments:

(No Response)

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66. Fire Escapes (S)**66a. Does This Facility Have One or More Fire Escapes?**

- ☐ Yes
☒ No

67. Windows

- ☒ Yes
☐ No

67a. Window Material: (check all that apply)

- ☒ Aluminum
☐ Steel
☐ Vinyl
☒ Solid Wood
☐ Wood w/ External Cladding System
☐ Other

67b. Overall Condition of Windows:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

67c. All Rescue Windows are Operable:

- ☒ Yes
☐ No
☐ N/A

67d. Year of Last Major Reconstruction/Replacement:

2000

67e. Expected Remaining Useful Life (Years):

5

67f. Cost to Reconstruct/Replace \$:

35,000.00

67g. Comments:

Replace gym windows.

Roof and Skylights (S)**68. Roof and Skylights (S)**

- ☒ Yes
☐ No

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Building Envelope

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68a. Type of roof construction (check all that apply):

- ☐ Metal deck on metal trusses/joists
- ☒ Wood deck on wood trusses/joists
- ☐ Wood deck on metal trusses/joists
- ☒ Concrete on metal deck on metal trusses/joists
- ☐ Other (describe below)

68a.1 Other roof construction type:

(No Response)

68b. Type of roofing material (check all that apply):

- ☒ Single-ply membrane
- ☒ Built-up
- ☐ Asphalt shingle
- ☐ Pre-formed metal
- ☐ IRMA
- ☐ Slate
- ☐ Other (describe below)

68b.1 Other roofing material:

(No Response)

68c. Evidence of structural concerns with roof support system (beams/joists/trusses, etc.) (check all that apply):

- ☐ Structural cracks
- ☐ Unsupported ends
- ☐ Rot/Decay/Corrosion
- ☐ Deflection
- ☐ Seriously damaged/missing components
- ☐ Other concerns (describe)
- ☒ None

68c.1 Describe other concerns:

(No Response)

68d. Evidence of structural concerns with roof deck (check all that apply):

- ☐ Cracks
- ☐ Deflection
- ☐ Rot/Decay/Corrosion
- ☒ None

68e. Does this facility have skylights?

- ☐ Yes
- ☒ No

68f. Skylight material (check all that apply):

- ☐ Plastic
- ☐ Glass
- ☐ Other
- ☒ N/A

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68g. Overall condition of skylights:

- ☐ Excellent
- ☐ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

68h. Evidence of concerns with roofing, skylights, flashings, and drains (check all that apply):

- ☐ Failures/Splits/Cracks
- ☐ Rot/Decay/Corrosion
- ☐ Inadequate flashing/curbs/pitch pockets
- ☐ Inadequate or poorly functioning roof drains
- ☐ Evidence of water penetration/active leaks
- ☐ Other (specify)
- ☒ None

68h.1 Specify other concerns:

(No Response)

68i. Overall Condition of Roof and Skylights:

- ☐ Excellent
- ☒ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

68j. Year of Last Major Reconstruction/Replacement:

1995

68k. Expected Remaining Useful Life (Years):

10

68l. Cost to Reconstruct/Replace \$:

(No Response)

68m. Comments:

(No Response)

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Interior Spaces

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INTERIOR SPACES**69. Interior Bearing Walls and Fire Walls (S)**

- ☒ Yes
☐ No

69a. Overall condition of interior bearing walls and fire walls:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-functioning
☐ Critical Failure

69b. Year of Last Major Reconstruction/Replacement:

1959

69c. Expected Remaining Useful Life (Years):

10

69d. Cost to Reconstruct/Replace \$:

(No Response)

69e. Comments:

(No Response)

Other Interior Walls**70. Other Interior Walls**

- ☒ Yes
☐ No

70a. Overall condition of other interior walls:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

70b. Year of Last Major Reconstruction/Replacement:

1959

70c. Expected Remaining Useful Life (Years):

10

70d. Cost to Reconstruct/Replace \$:

(No Response)

70e. Comments:

(No Response)

Floor Finishes

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Interior Spaces

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71. Carpet

- ☒ Yes
☐ No

71a. Where located (check all that apply):

- ☐ Instructional Space
☒ Common Area

71b. Condition:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

71c. Year of Last Major Reconstruction/Replacement:

2005

71d. Expected Remaining Useful Life (Years):

5

71e. Cost to Reconstruct/Replace \$:

(No Response)

71f. Comments:

(No Response)

72. Resilient Tiles or Sheet Flooring

- ☒ Yes
☐ No

72a. Where located (check all that apply):

- ☒ Instructional Space
☒ Common Area

72b. Overall condition of resilient tiles or sheet flooring:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

72c. Year of Last Major Reconstruction/Replacement:

2005

72d. Expected Remaining Useful Life (Years):

10

72e. Cost to Reconstruct/Replace \$:

(No Response)

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Interior Spaces

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72f. Comments:

(No Response)

73. Hard Flooring (concrete; ceramic tile; stone; etc)

- ☒ Yes
☐ No

73a. Where located (check all that apply):

- ☒ Instructional Space
☒ Common Area

73b. Overall condition of hard flooring:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

73c. Year of Last Major Reconstruction/Replacement:

2005

73d. Expected Remaining Useful Life (Years):

10

73e. Cost to Reconstruct/Replace \$:

(No Response)

73f. Comments:

(No Response)

74. Wood Flooring

- ☐ Yes
☒ No

Ceilings (H)**75. Ceilings (H)**

- ☒ Yes
☐ No

75a. Overall condition of ceilings:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

75b. Year of Last Major Reconstruction/Replacement:

1959

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Interior Spaces

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75c. Expected Remaining Useful Life (Years):

5

75d. Cost to Reconstruct/Replace \$:

380,000.00

75e. Comments:

(No Response)

Lockers**76. Lockers**☒ Yes☐ No**76a. Overall condition of lockers:**☐ Excellent☒ Satisfactory☐ Unsatisfactory☐ Non-Functioning☐ Critical Failure**76b. Year of Last Major Reconstruction/Replacement:**

1959

76c. Expected Remaining Useful Life (Years):

5

76d. Cost to Reconstruct/Replace \$:

(No Response)

76e. Comments:

(No Response)

Interior Doors**77. Interior Doors**☒ Yes☐ No**77a. Overall condition of interior door units:**☐ Excellent☒ Satisfactory☐ Unsatisfactory☐ Non-Functioning☐ Critical Failure

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Interior Spaces

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77b. Overall condition of interior door hardware:

- ☐ Excellent
- ☒ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

77c. Year of Last Major Reconstruction/Replacement:

2009

77d. Expected Remaining Useful Life (Years):

5

77e. Cost to Reconstruct/Replace \$:

57,500.00

77f. Comments:

ADA levers.

Interior Stairs (S)**78. Interior Stairs (S)**

- ☒ Yes
- ☐ No

78a. Overall condition of interior stairs:

- ☐ Excellent
- ☒ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

78b. Year of Last Major Reconstruction/Replacement:

1959

78c. Expected Remaining Useful Life (Years):

10

78d. Cost to Reconstruct/Replace \$:

(No Response)

78e. Comments:

(No Response)

Elevator, Lifts and Escalators (H)**79. Elevator, Lift, and Escalators (H)**

- ☐ Yes
- ☒ No

Interior Electrical Distribution (H)

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Interior Spaces

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80. Interior Electrical Distribution (H)

- ☒ Yes
☐ No

80a. Interior electrical supply meets current needs:

- ☐ Yes
☒ No

80b. Condition of interior electrical distribution:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

80c. Year of Last Major Reconstruction/Replacement:

1959

80d. Expected Remaining Useful Life (Years):

0

80e. Cost to Reconstruct/Replace \$:

220000

80f. Comments:

Distribution is original Frank Adams.

Lighting Fixtures**81. Interior Lighting Fixtures**

- ☒ Yes
☐ No

81a. Condition of interior lighting fixtures:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

81b. Year of Last Major Reconstruction/Replacement:

2014

81c. Expected Remaining Useful Life (Years):

15

81d. Cost to Reconstruct/Replace \$:

(No Response)

81e. Comments:

(No Response)

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Interior Spaces

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Communication Systems (H)**82. Communication Systems (H)**

- ☒ Yes
☐ No

82a. Communication systems are adequate:

- ☐ Yes
☒ No

82b. Condition of communication systems:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

82c. Year of Last Major Reconstruction/Replacement:

1959

82d. Expected Remaining Useful Life (Years):

0

82e. Cost to Replace/Reconstruct \$:

95000

82f. Comments:

Building does not have paging system.

Swimming Pool and Swimming Pool Systems**83. Swimming Pool and Swimming Pool Systems**

- ☐ Yes
☒ No

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Plumbing (Excluding HVAC Systems)

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PLUMBING**84. Water Distribution System (H)**

- ☒ Yes
☐ No

84a. Types of pipes (check all that apply):

- ☐ Iron
☒ Galvanized
☒ Copper
☐ Lead
☐ PVC
☐ Other

84b. Overall condition of water distribution system:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

84c. Year of Last Major Reconstruction/Replacement:

1959

84d. Expected Remaining Useful Life (Years):

0

84e. Cost to Reconstruct/Replace \$:

180,000.00

84f. Comments:

Replace all crawl space CW, HW, HWR piping (asbestos on piping).

Plumbing Drainage System (H)**85. Plumbing Drainage System (H)**

- ☒ Yes
☐ No

85a. Types of pipes (check all that apply):

- ☒ Iron
☐ Galvanized
☐ Copper
☐ Lead
☐ PVC
☐ Other

85b. Overall condition of drainage system:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

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Plumbing (Excluding HVAC Systems)

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85c. Year of Last Major Reconstruction/Replacement:

1959

85d. Expected Remaining Useful Life (Years):

10

85e. Cost to Reconstruct/Replace \$:

(No Response)

85f. Comments:

(No Response)

Hot Water Heaters (H)**86. Hot Water Heaters (H)**☒ Yes☐ No**86a. Type of fuel (check all that apply):**☐ Oil☒ Natural Gas☐ Electricity☐ Propane☐ Other**86b. Overall condition of hot water heaters:**☐ Excellent☒ Satisfactory☐ Unsatisfactory☐ Non-Functioning☐ Critical Failure**86c. Year of Last Major Reconstruction/Replacement:**

2007

86d. Expected Remaining Useful Life (Years):

10

86e. Cost to Reconstruct/Replace \$:

(No Response)

86f. Comments:

(No Response)

Plumbing Fixtures**87. Plumbing Fixtures**☒ Yes☐ No

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Plumbing (Excluding HVAC Systems)

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87a. Overall condition of plumbing fixtures (including toilets, urinals, lavatories, etc):

- ☐ Excellent
- ☒ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

87b. Year of Last Major Reconstruction/Replacement:

1959

87c. Expected Remaining Useful Life (Years):

0

87d. Cost to Reconstruct/Replace \$:

150,000.00

87e. Comments:

Replace all original fixtures.

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HVAC Systems

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HVAC SYSTEMS**88. HVAC Systems Type****88a. Does this building have a central HVAC system?**

- ☐ Yes
☒ No

Heat Generating Systems (H)**88b.1 Other central HVAC system technology:**

(No Response)

89. Heat Generating Systems (H)

- ☒ Yes
☐ No

89a. Heat generation source (check all that apply):

- ☒ Boiler / Hot Water
☐ Boiler / Steam
☐ Furnace / Forced Air
☐ Unit Ventilation
☐ Geothermal
☐ Biomass
☐ Electric
☐ Other (describe below)

89a.1 Other heat generation source:

(No Response)

89b. Overall condition of heat generating systems:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

89c. Year of Last Major Reconstruction/Replacement:

1995

89d. Expected Remaining Useful Life (Years):

20

89e. Cost to Reconstruct/Replace \$:

7,500.00

89f. Comments:

Add a gas detection system to the boiler room.

Heating Fuel/Energy Systems (H)

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HVAC Systems

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90. Heating Fuel / Energy Systems (H)

- ☒ Yes
☐ No

90a. Overall condition of heating fuel / energy systems:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

90b. Year of Last Major Reconstruction/Replacement:

1995

90c. Expected Remaining Useful Life (Years):

20

90d. Cost to Reconstruct/Replace \$:

(No Response)

90e. Comments:

(No Response)

Cooling/Air Conditioning Generating Systems**91. Cooling / Air-Conditioning Generating Systems**

- ☐ Yes
☒ No

AIR HANDLING AND VENTILATION EQUIPMENT**92. Air Handling and Ventilation Equipment: Supply Units, Exhaust Units, Relief/Return Units, etc. (H)**

- ☒ Yes
☐ No

92a. Overall condition of air handling and ventilation systems:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

92b. Year of Last Major Reconstruction/Replacement:

1959

92c. Expected Remaining Useful Life (Years):

0

92d. Cost to Reconstruct/Replace \$:

725,000.00

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

HVAC Systems

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92e. Comments:

Replace original equipment.

Piped Heating and Cooling Distribution Systems**93. Piped Heating and Cooling Distribution Systems: Piping, Pumps, Radiators, Convectorss, Traps, Insulation, etc. (H)**

- ☒ Yes
☐ No

93a. Overall condition of piped heating and cooling distribution systems:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

93b. Year of Last Major Reconstruction/Replacement:

1959

93c. Expected Remaining Useful Life (Years):

0

93d. Cost to Reconstruct/Replace \$:

400,000.00

93e. Comments:

Replace original piping - 281,000

Replace original terminal units - 100,000

Ducted Heating and Cooling Distribution Systems**94. Ducted Heating and Cooling Distribution Systems: Ductwork, Control Dampers, Fire/Smoke Dampers, VAVs, Insulation, etc. (H)**

- ☒ Yes
☐ No

94a. Overall condition of ducted heating and cooling distribution systems:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

94b. Year of Last Major Reconstruction/Replacement:

1959

94c. Expected Remaining Useful Life (Years):

5

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HVAC Systems

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94d. Cost to Reconstruct/Replace \$:

(No Response)

94e. Comments:

Replacement cost in item 92.

HVAC Control Systems

95. HVAC Control Systems (H)

☒ Yes

☐ No

95a. Overall condition of control systems:

☐ Excellent

☒ Satisfactory

☐ Unsatisfactory

☐ Non-Functioning

☐ Critical Failure

95b. Year of Last Major Reconstruction/Replacement:

2014

95c. Expected Remaining Useful Life (Years):

15

95d. Cost to Reconstruct/Replace \$:

(No Response)

95e. Comments:

(No Response)

2015 Building Condition Survey Instrument - 2015 Building Conditions SurveyFire Safety Systems

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Fire Safety Systems**96. Fire Alarm Systems (H)**

- ☒ Yes
☐ No

96a. Overall condition of fire alarm system:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

96b. Year of Last Major Reconstruction/Replacement:

2009

96c. Expected Remaining Useful Life (Years):

15

96d. Cost to Reconstruct/Replace \$:

15,000.00

96e. Comments:

No storbes in classrooms and add strobe in classroom.

Smoke Detection System (H)**97. Smoke Detection Systems (H)**

- ☒ Yes
☐ No

97a. Overall condition of smoke detection systems:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

97b. Year of Last Major Reconstruction/Replacement:

2009

97c. Expected Remaining Useful Life (Years):

15

97d. Cost to Reconstruct/Replace \$:

(No Response)

97e. Comments:

(No Response)

Fire Suppression Systems

2015 Building Condition Survey Instrument - 2015 Building Conditions SurveyFire Safety Systems

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98. Fire Suppression Systems: Sprinklers, Standpipes, Kitchen Hoods, etc. (H)

- ☐ Yes
☒ No

Emergency/Exit Lighting Systems**99. Emergency / Exit Lighting Systems (H)**

- ☒ Yes
☐ No

99a. Overall condition of emergency / exit lighting systems:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

99b. Year of Last Major Reconstruction/Replacement:

2014

99c. Expected Remaining Useful Life (Years):

15

99d. Cost to Reconstruct/Replace \$:

(No Response)

99e. Comments;

(No Response)

Emergency/Standby Power Systems**100. Emergency or Standby Power System (H)**

- ☐ Yes
☒ No

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Accessibility

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ACCESSIBILITY**101. Exterior Accessible Route (H)**

People with disabilities should be able to arrive on site, approach the building, and enter as freely as everyone else. At least one route of travel should be safe and accessible for everyone, including people with disabilities. This route must include handicapped parking, curb cuts, ramps, and automatic door operators as necessary to enter the building.

Is there an accessible exterior route as specified above?

☒ Yes☐ No**102. Interior Accessible Route, Access to Goods and Services, and Restroom Facilities (H)**

The layout of the building should allow people with disabilities to obtain materials or services and use the facilities without assistance. This should include access to general purpose and specialized classrooms, public assembly spaces (such as libraries, gymnasiums, auditoriums), nurse's office, main office, and restroom facilities. Services include drinking fountains, telephones, and other amenities.

Is there an accessible interior route as specified above?

☒ Yes☐ No**103. Additional Information on Accessibility**

If the building lacks accessible interior or exterior routes:

103a. Cost of improvements needed to provide accessible exterior and interior routes as specified above \$:

(No Response)

103b. Comments:

(No Response)

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Environment/Comfort/Health

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ENVIRONMENT/COMFORT/HEALTH**104. General Appearance****104a. Overall Rating:**

- ☒ Good
☐ Fair
☐ Poor

104b. Comments:

(No Response)

105. Cleanliness**105a. Overall Rating:**

- ☒ Good
☐ Fair
☐ Poor

105b. Comments:

(No Response)

106. Are there walk off mats; grills in the entryway?

- ☐ Yes
☒ No

107. Is there noise in classrooms from HVAC units, traffic, etc. that may impact education?

- ☐ Yes
☒ No

108. Lighting Quality:**108a. Types of lighting in general purpose classrooms (check all that apply):**

- ☒ Daylight
☐ Fluorescent-not full spectrum
☐ Fluorescent full spectrum
☒ Incandescent
☐ Other (describe)

108b. Are there blinds in the classroom to prevent glare?

- ☒ Yes
☐ No

108c. Overall Rating:

- ☐ Good
☒ Fair
☐ Poor

108d. Comments:

(No Response)

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Environment/Comfort/Health

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109. Evidence of Vermin

109a. Is there evidence of active infestations of...(check all that apply)?

- ☐ Rodents
- ☐ Wood-boring or Wood-eating Insects
- ☐ Cockroaches
- ☐ Other Vermin
- ☒ None

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Indoor Air Quality

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Indoor Air Quality**110. Mold****110a. Is there visible mold or moldy odors?**

- ☐ Yes
☒ No

110c. Are any surfaces constructed of any of the following materials?

- ☐ Paper-faced or gypsum products
☐ Cellulose products (typically ceiling tiles)

110d. Estimated cost of necessary improvements \$:

(No Response)

110d. Comments:

(No Response)

111. Humidity/Moisture**111a. Overall rating of humidity/moisture condition in building:**

- ☐ Good
☒ Fair
☐ Poor

111b. Are any of the following found in/or around classroom areas (check all that apply)?

- ☐ Active leaks in roof
☐ Active leaks in plumbing
☐ Moisture condensation
☐ Visible stains or water damage
☒ None

111c. Are any of the following found in/or around other areas (check all that apply)?

- ☐ Active leaks in roof
☐ Active leaks in plumbing
☐ Moisture condensation
☐ Visible stains or water damage
☒ None

112. Ventilation: fresh air intake locations, air filters, etc.**112a. Are fresh air intakes near the bus loading, truck delivery, or garbage storage/disposal areas?**

- ☒ Yes
☐ No

112b. Is there accumulated dirt, dust or debris around fresh air intakes?

- ☐ Yes
☒ No

112c. Are fresh air intakes free of blockage?

- ☒ Yes
☐ No

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Indoor Air Quality

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112d. Is accumulated dirt, dust or debris in ductwork?

- ☒ Yes
☐ No

112e. Are dampers functioning as designed?

- ☒ Yes
☐ No

112f. Condition of air filters:

- ☐ Good
☒ Fair
☐ Poor

112g. Outside air is adequate for occupant load:

- ☒ Yes
☐ No

112h. Rating of ventilation/indoor air quality:

- ☐ Good
☒ Fair
☐ Poor

112i. Comments:

(No Response)

113. Indoor Air Quality (IAQ) Plan**113a. Does the school district use EPA's Tools for Schools program?**

- ☐ Yes
☒ No

113b. If No, is some other IAQ management plan used?

- ☒ Yes
☐ No

113c. Has the District assigned IAQ responsibilities to a designated individual?

- ☒ Yes
☐ No

113c.1 If Yes, what is their job title?

Health and Safety Officer.

114. Does the school practice IPM?

- ☒ Yes
☐ No

114a. Is vegetation kept one foot away from the building?

- ☒ Yes
☐ No

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Indoor Air Quality

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114b. Are crevices and holes in walls, floors and pavement sealed or eliminated?

- ☒ Yes
☐ No

114c. Is there a certified pesticide applicator on staff?

- ☐ Yes
☒ No

114d. Are pesticides used in the building?

- ☐ Yes
☒ No

114d.1 If Yes, how are they typically applied?

- ☐ Spot treatment
☐ Area wide treatments

114e. Are pesticides used on the grounds?

- ☐ Yes
☒ No

114e.1 If Yes, was an emergency exemption granted by the Board of Education?

- ☐ Yes
☒ No

115. Does the school have a passive radon mitigation system installed (was built with radon resistant features)?

- ☐ Yes
☒ No

115a. Has the facility been tested for the presence of radon?

- ☒ Yes
☐ No

115b. Were any of the results of the test greater than or equal to 4 picocuries per liter (pCi/L)?

- ☐ Yes
☒ No

115c. If Yes, did the school take steps to mitigate the elevated radon levels?

- ☐ Yes, active mitigation system installed
☐ Yes, passive mitigation system made active
☐ Yes, ventilation controls (HVAC) adjusted
☐ Yes, other (describe)
☐ No action taken

115c.1 Describe other actions taken to mitigate elevated radon levels:

(No Response)

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American Red Cross

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American Red Cross Shelter

116. American Red Cross Shelter

☐ Yes

☒ No

MAINTENANCE BUILDING

Year Constructed: 1940

Stories: 1

Building Area: 11,100 approximate GSF

Primary Occupancy: S – Storage



The Maintenance Building is located 1 Reed Parkway, Marcellus, NY 13108. The building was constructed in 1940 with no additions having been made since.

The Maintenance Building is a one-story building with bearing walls and steel framing bearing on cast-in-place concrete foundation walls and footings. The roof structure consists of steel beams with concrete plank decking. The exterior walls are CMU. The exterior walls consist of solid masonry with brick exterior finish. The floors are cast-in-place concrete slab on grade. The structural systems are in fair shape, with minor signs of deterioration.

The roof consists of a ballasted built-up membrane, at the end of its useful life.

The following items were identified as having a need for completion over the next five years:

1. Site Items:

- Replace sanitary from building to main.
- Replace storm structure on southwest corner on building.
- Check roof drain connections and replace if necessary.
- Replace trench drain on north end and adjust grades to minimize slopes outside OH doors.
- Provide drainage against west side of building.

2. Building Envelope Items

- Roof replacement.
- Window replacement.
- Replace exterior man doors.

3. Building Interior Space Items:

- Replace interior doors and hardware.
- Replace flooring.
- Coat concrete floors in bays.
- Repair corroded column bases.

4. Mechanical/Plumbing System Items:

- Replace heating system with gas fired CH heating units and ventilation system
- Upsize fuel/energy systems for heating system upgrades.
- Add ventilation rooftop for offices and toilet exhaust systems.
- Replace domestic water piping.
- Replace all plumbing fixtures.

5. Electrical/Technology System Items:

- Replace branch circuit wiring.
- Replace interior lighting.
- Add fire alarm (not a code requirement).
- Add emergency lighting at exit discharge and inside building.
- Replace (2) obsolete secondary electrical panels.
- Add smoke detection system.
- Add emergency generator.

PHOTOS OF IDENTIFIED BCS AND FIVE YEAR PLAN ITEMS



Maint. Facility – Replace steel windows



Maint. Facility – Replace exterior man doors



Maint. Facility – Replace flooring



Maint. Facility – Coat bay floors



Maint. Facility – Repair column bases



Maint. Facility – Repair column bases

Building Condition Survey Supplemental Information

Project:	Marcellus CSD - Maintenance Facility		
Architect:	SEI Design Group		
Date of Visit:	5-5-2016	Weather:	Sunny
Participants:	Brittany Belding		

The following photographs were taken by Appel Osborne Landscape Architecture (AOLA) for providing additional information on items identified during the NYS Education Department Building Condition Survey reviews with the Owner and design team. All photographs are keyed into an overall site plan and line item budgets, both of which are provided by AOLA.



Photograph Number: 1
Budget Line Item Number: \$40,000 (38)

Item Description:

Replace sanitary from building to main (300 lf)



Photograph Number: 2
Budget Line Item Number: \$5,000 (44)

Item Description:

Replace storm structure on southwest corner of building



Photograph Number: 3
Budget Line Item Number: \$50,000 (42)

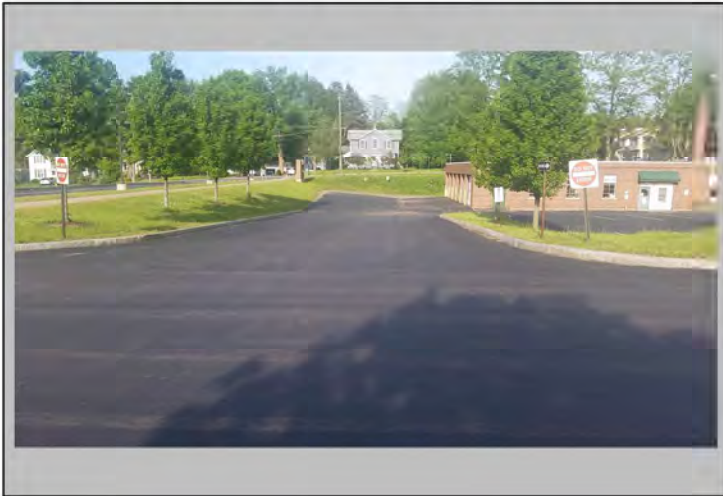
Item Description:

Check roof drain connections and replace if necessary

Building Condition Survey Supplemental Information

Project:	Marcellus CSD - Maintenance Facility		
Architect:	SEI Design Group		
Date of Visit:	5-5-2016	Weather:	Sunny
Participants:	Brittany Belding		

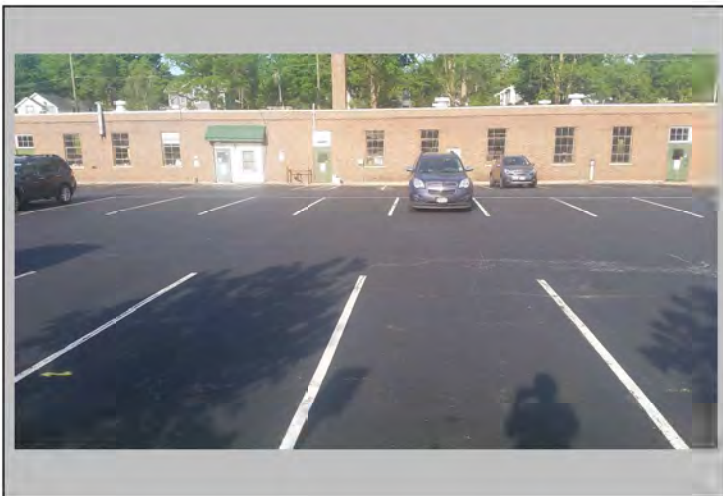
The following photographs were taken by Appel Osborne Landscape Architecture (AOLA) for providing additional information on items identified during the NYS Education Department Building Condition Survey reviews with the Owner and design team. All photographs are keyed into an overall site plan and line item budgets, both of which are provided by AOLA.



Photograph Number: 4
Budget Line Item Number: \$95,000 (42)

Item Description:

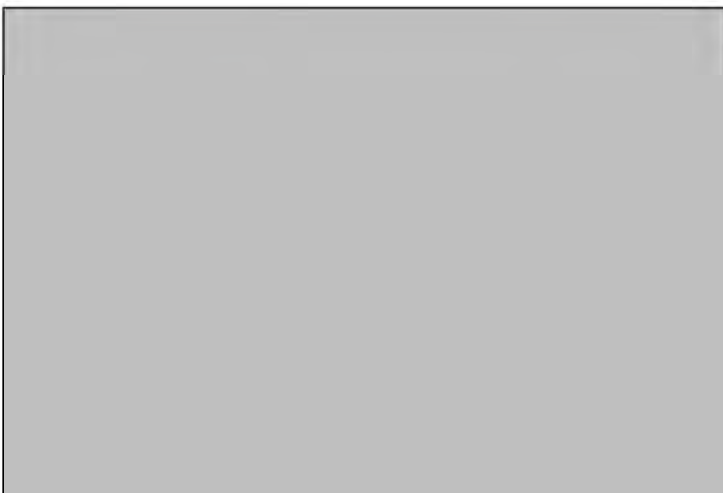
Replace trench drain on north end and adjust grades to minimize slopes outside overhead doors (50 lf trench drain, 6,900 sf)



Photograph Number: 5
Budget Line Item Number: \$100,000 (42)

Item Description:

Provide drainage against west side of building



Photograph Number: _____
Budget Line Item Number: _____

Item Description:

2015 Building Condition Survey Instrument - 2015 Building Conditions SurveyBuilding Information

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Building Information**1. Name of School District:**

MARCELLUS CSD

2. SED District 8-Digit BEDS Code:

421101060000

3. Building Name:

Maintenance Facility

4. SED 4-Digit Facility Code:

5006

5. Survey Inspection Date:

11/03/2015

6. Building 911 Address:

1 Reed Parkway

7. City:

Marcellus

8. Zip Code:

13108

9. Certificate of Occupancy Status:

- ☒ A - Annual
☐ T - Temporary
☐ N - None

10. Certificate of Occupancy Expiration Date:

03/01/2017

Building Age, Gross Square Footage and Maintenance Staff**11. Year of Original Building:**

1940

12. Gross square ft. of Building as currently configured:

11,100

13. Number of Floors:

1

14. How many full-time and part-time custodians are employed at the school (or work in the building)?

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Building Information

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	Count Employees
Full-time custodians:	2
Part-time custodians:	0
Totals:	2.00

Building Ownership and Occupancy Status**15. Building Ownership (check one):**

- ☒ Owned and used by district
☐ Owned by District and leased to non-district entity
☐ Owned by District, part used by district, part leased to non-district entity
☐ Owned by non-district entity and leased to district

16. For which of the following purposes is the building currently used? (check all that apply)

- ☐ Used for student instructional purposes
☐ Used for district administration
☒ Used for other district purposes
☐ Used by other organization(s)

16a. Describe use for other district purposes:

Maintenance/Storage Facility.

Building Users**17. How many students were registered to receive instruction in this building as of October 1, 2014? (If none, enter "0") and skip to "Program Spaces" section. (Do not include evening class students)**

0

18. Of these registered students, how many receive most of their instruction in:

	Quantity
18a. Permanent instructional spaces (i.e., regular classrooms)	0
18b. Temporary instructional spaces (i.e., portable or demountable classrooms) attached to the building	0
18c. Non-instructional spaces used as instructional spaces	0

18c.1 If the answer is greater than zero, which types of non-instructional spaces were being used for instructional purposes on October 1, 2014? (check all that apply)

- ☐ Cafeteria
☐ Gymnasium
☐ Administrative Spaces
☐ Library
☐ Lobby
☐ Stairwell
☐ Storage space
☐ Other (please describe)
☒ None

19. Grades Housed:

0

2015 Building Condition Survey Instrument - 2015 Building Conditions SurveyBuilding Information

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20. For how many instructional days during the 2013-14 school year (July 1 through June 30, was the building closed due to facilities failures, system malfunctions, structural problems, fire, etc? (if none, enter "0")

0

21. Is the building used for instructional purposes in the summer?

☐ Yes☒ No

22. Have there been renovations or construction in the building during the past 12 months?

☐ Yes☒ No

23. Was major construction/renovation work since 2010 conducted when school was in session?

☐ Yes☒ No

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Program Spaces

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Program Spaces**24. Number of instructional classrooms:**

0

25. Gross square footage of all instructional classrooms (combined):

0.00

26. Other spaces provided: (check all that apply)

- | | | |
|---|---|---|
| <input checked="" type="checkbox"/> a. N/A (none) | <input type="checkbox"/> j. Health Office | <input type="checkbox"/> s. Resource Rooms |
| <input type="checkbox"/> b. Administration | <input type="checkbox"/> k. Home & Careers | <input type="checkbox"/> t. Science Labs |
| <input type="checkbox"/> c. Art | <input type="checkbox"/> l. Kitchen | <input type="checkbox"/> u. Special Education |
| <input type="checkbox"/> d. Audio Visual | <input type="checkbox"/> m. Large Group Instruction | <input type="checkbox"/> v. Swimming Pool |
| <input type="checkbox"/> e. Auditorium | <input type="checkbox"/> n. Library | <input type="checkbox"/> w. Teacher Resource |
| <input type="checkbox"/> f. Cafeteria | <input type="checkbox"/> o. Multipurpose Rooms | <input type="checkbox"/> x. Technology/Shop |
| <input type="checkbox"/> g. Computer Room | <input type="checkbox"/> p. Music | <input type="checkbox"/> y. Other (please describe) |
| <input type="checkbox"/> h. Guidance | <input type="checkbox"/> q. Pre-K | |
| <input type="checkbox"/> i. Gymnasium | <input type="checkbox"/> r. Remedial Rooms | |

26y. Describe other spaces

(No Response)

Space Adequacy**27. Rating of space adequacy:**

- ☒ Good
☐ Fair
☐ Poor

27a. Enter comments:

(No Response)

28. Estimated capital construction expenses anticipated for this building through 2020-2021 school year excluding maintenance (to be answered after the building inspection is complete) \$

100,000.00

29. Overall building rating (to be answered after the building inspection is complete)

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Poor

30. Was overall building rating established after consultation with health and safety committee?

- ☒ Yes
☐ No

A/E Information:**31. A/E Firm Name:**

SEI Design Group Architects, DPC

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Program Spaces

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32. A/E Firm Address:

187 Wolf Road
Suite 304
Albany, NY 12205

33. A/E Firm Phone Number:

5184352467

34. E-mail:

msm@seidesigngroup.com

35. A/E Name:

Matthew S. Monaghan

36. A/E License #:

029199

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Site Utilities

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Site Utilities**37. Water**

- ☒ Yes
☐ No

37a. Type of Service:

- ☒ Municipal or Utility provided
☐ Well
☐ Other

37b. Condition:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

37c. Year of Last Major Reconstruction/Replacement:

1958

37d. Expected Remaining Useful Life (Years):

0

37e. Cost to Reconstruct/Replace \$:

40,000.00

37f. Comments:

Replace from building to main in street, relocate water meter from pit to indoors.

38. Site Sanitary (H)

- ☒ Yes
☐ No

38a. Type of Service:

- ☒ Municipal or utility sewer
☐ Site septic
☐ Other

38b. Condition:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

38c. Year of Last Major Reconstruction/Replacement:

1958

38d. Expected Remaining Useful Life (Years):

10

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Site Utilities

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38e. Cost to reconstruct/Replace \$:

(No Response)

38f. Comments:

(No Response)

39. Site Gas (H)☒ Yes☐ No**39a. Type of gas service:**☒ Natural Gas☐ Liquid Petroleum**39b. Condition:**☐ Excellent☒ Satisfactory☐ Unsatisfactory☐ Non-Functioning☐ Critical Failure**39c. Year of Last Major Reconstruction/Replacement;**

1990

39d. Expected Remaining Useful Life (Years):

25

39e. Cost to Reconstruct/Replace \$:

(No Response)

39f. Comments:

(No Response)

40. Site Fuel Oil (H)☐ Yes☒ No**41. Site Electrical, Including Exterior Distribution (H)**☒ Yes☐ No**41a. Service Provider:**☒ Municipal or utility provided☐ Self-Generated☐ Other☐ N/A

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Site Utilities

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41b. Type of Service:

- ☒ Above Ground
☐ Below Ground
☐ N/A

41c. Condition:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

41d. Year of Last Major Reconstruction/Replacement:

1998

41e. Expected Remaining Useful Life (Years):

15

41f. Cost to Reconstruct/Replace \$:

(No Response)

41g. Comments:

(No Response)

Stormwater Management**42. Closed Drainage Pipe Stormwater Management System****42a. Does this facility have a closed pipe system?**

- ☒ Yes
☐ No

42b. Condition:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

42c. Year of Last Major Reconstruction/Replacement:

1940

42d. Expected Remaining Useful Life (Years):

5

42e. Cost to Reconstruct/Replace \$:

245,000.00

42f. Comments:

Replace roof drain connections, trench drain and provide drainage (west).

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Site Utilities

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43. Open Drainage Pipe Stormwater Management System**43a. Does this facility have an open stormwater system (ditch)?**

- ☐ Yes
☒ No

44. Catch Basins/Drop Inlets/Manholes**44a. Does this facility have catch basins/drop inlets/manholes?**

- ☒ Yes
☐ No

44b. Condition:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

44c. Year of Last Major Reconstruction/Replacement:

2010

44d. Expected Remaining Useful Life (Years):

15

44e. Cost to Reconstruct/Replace \$:

50,000.00

44f. Comments:

Replace structure on southwest corner of building.

45. Culverts**45a. Does this facility have culverts?**

- ☐ Yes
☒ No

46. Outfalls**46a. Does this facility have outfalls?**

- ☐ Yes
☒ No

47. Infiltration Basins/Chambers**47a. Does this facility have infiltration basins/chambers?**

- ☐ Yes
☒ No

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48. Retention Basins**48a. Does this facility have retention basins?**

- ☐ Yes
☒ No

49. Wetponds**49a. Does this facility have wetponds?**

- ☐ Yes
☒ No

50. Manufactured Stormwater Proprietary Units**50a. Does this facility have proprietary units?**

- ☐ Yes
☒ No

51. Point of Outfall Discharge: (check all that apply)

- ☐ Municipal storm sewer system
☐ Combined sewer system
☒ Surface Water
☐ On-site recharge
☐ Other (describe)
☐ Not Applicable

52. Outfall Reconnaissance Inventory**Were all stormwater outfalls inspected during dry weather for signs of non-stormwater discharge?**

- ☒ Yes
☐ No
☐ Not Applicable

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Other Site Features

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Other Site Features**53. Pavement (Roadways and Parking Lots)**

- ☒ Yes
☐ No

53a. Type: (check all that apply)

- ☒ Concrete
☒ Asphalt
☐ Gravel
☐ Other
☐ None

53b. Condition:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

53c. Year of Last Major Reconstruction/Replacement:

2010

53d. Expected Remaining Useful Life (Years):

15

53e. Cost to Reconstruct/Replace \$:

(No Response)

53f. Comments:

(No Response)

54. Sidewalks

- ☒ Yes
☐ No

54a. Type: (check all that apply)

- ☒ Concrete
☒ Asphalt
☐ Paver
☐ Other

54b. Condition:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

54c. Year of Last Major Reconstruction/Replacement:

1940

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Other Site Features

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54d. Expected Remaining Useful Life (Years):

10

54e. Cost to Reconstruct/Replace \$:

(No Response)

54f. Comments:

(No Response)

55. Playgrounds and Playground Equipment☐ Yes☒ No**56. Athletic Fields and Play Fields**☐ Yes☒ No**56f. Does the facility have synthetic turf field(s)**☐ Yes☒ No**56f.1 If Yes, how many synthetic turf fields?**

(No Response)

56f.2 Expected Remaining Useful Life of Synthetic Turf Field(s):

(No Response)

56f.3 Type of synthetic turf field infill:

(No Response)

57. Exterior Bleachers / Stadiums☐ Yes☒ No**58. Related Structures (such as Press Boxes, Dugouts, Climbing Walls, etc.)**☐ Yes☒ No

2015 Building Condition Survey Instrument - 2015 Building Conditions SurveySubstructure

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Substructure**59. Foundation (S)****59a. Type (check all that apply):**

- ☒ Reinforced Concrete
- ☐ Masonry on Concrete Footing
- ☐ Other

59b. Evidence of structural concerns (check all that apply):

- ☐ Structural Cracks
- ☐ Heaving/Jacking
- ☐ Decay/Corrosion
- ☐ Water Penetration
- ☐ Unsupported Ends
- ☐ Other
- ☒ None

59c. Condition:

- ☐ Excellent
- ☒ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

59d. Year of Last Major Reconstruction/Replacement:

1940

59e. Expected Remaining Useful Life (Years):

10

59f. Cost to Reconstruct/Replace \$:

(No Response)

59g. Comments:

(No Response)

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BUILDING ENVELOPE**60. Structural Floors (S)****60a. Type (check all that apply):**

- ☒ Reinforced Concrete Slab on Grade
- ☐ Concrete/Metal Deck/Metal Joists
- ☐ Precast Concrete Structural System
- ☐ Wood Deck on Wood Trusses
- ☐ Wood Deck on Wood Joists
- ☐ Concrete Deck on Wood Structure
- ☐ Other (specify)

60b. Evidence of Structural Concerns with Floor Support System (Beams/Joists/Trusses, etc.) (check all that apply):

- ☐ Structural Cracks
- ☐ Unsupported Ends
- ☐ Rot/Decay/Corrosion
- ☐ Deflection
- ☐ Seriously Damaged/Missing Components
- ☐ Other Problems
- ☒ None

60b.1 Describe Other Problems:

(No Response)

60c. Evidence of Structural Concerns with Structural Floor Deck (check all that apply):

- ☐ Cracks
- ☐ Deflection
- ☐ Rot/Decay/Corrosion
- ☒ None

60d. Overall Condition of Structural Floors:

- ☐ Excellent
- ☒ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

60e. Year of Last Major Reconstruction/Replacement:

1940

60f. Expected Remaining Useful Life (Years):

10

60g. Cost to Reconstruct/Replace \$:

(No Response)

60h. Comments:

(No Response)

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Building Envelope

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61. Exterior Walls/Columns (S)**61a. Material (check all that apply):**

- ☐ Concrete
- ☒ Masonry
- ☒ Steel
- ☐ Wood
- ☐ Other (specify)

61b. Evidence of Structural Concerns with Support System (columns, base plates, connections, etc.) (check all that apply):

- ☐ Structural Cracks
- ☒ Rot/Decay/Corrosion
- ☐ Other Problems
- ☐ None

61b.1 Describe Other Problems:

(No Response)

61c. Evidence of Concerns with Exterior Cladding (check all that apply):

- ☐ Cracks/Gaps
- ☐ Inadequate Flashing
- ☐ Efflorescence
- ☐ Moisture Penetration
- ☐ Rot/Decay/Corrosion
- ☐ Other Problems
- ☒ None

61c.1 Describe Other Problems:

(No Response)

61d. Overall Condition of Exterior Walls/Columns:

- ☐ Excellent
- ☒ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

61e. Year of Last Major Reconstruction/Replacement:

1940

61f. Expected Remaining Useful Life (Years):

10

61g. Cost to Reconstruct/Replace \$:

10,000.00

61h. Comments:

Column bases.

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62. Chimneys (S)

- ☒ Yes
☐ No

62a. Material (check all that apply):

- ☒ Masonry
☐ Concrete
☐ Metal
☐ Wood
☐ Other

62a.1 Specify other:

(No Response)

62b. Overall Condition of Chimneys:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical failure

62c. Year of Last Major Reconstruction/Replacement:

1940

62.d Expected Remaining Useful Life (Years):

10

62e. Cost to Reconstruct/Replace \$:

(No Response)

62f. Comments:

(No Response)

63. Parapets (S)

- ☐ Yes
☒ No

63f. Comments:

(No Response)

64. Exterior Doors**64a. Overall Condition of Exterior Door Units:**

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

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64b. Overall condition of exterior door hardware:

- ☐ Excellent
- ☒ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

64c. Do any exterior doors have magnetic locking devices?

- ☐ Yes
- ☒ No

64d. Safety/Security features are adequate?

- ☒ Yes
- ☐ No

64e. Year of Last Major Reconstruction/Replacement:

1983

64f. Expected Remaining Useful Life (Years):

5

64g. Cost to Reconstruct/Replace \$:

11,000.00

64h. Comments:

Replace main doors.

65. Exterior Steps, Stairs, Ramps (S)

- ☐ Yes
- ☒ No

66. Fire Escapes (S)**66a. Does This Facility Have One or More Fire Escapes?**

- ☐ Yes
- ☒ No

67. Windows

- ☒ Yes
- ☐ No

67a. Window Material: (check all that apply)

- ☐ Aluminum
- ☒ Steel
- ☐ Vinyl
- ☐ Solid Wood
- ☐ Wood w/ External Cladding System
- ☐ Other

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67b. Overall Condition of Windows:

- ☐ Excellent
- ☒ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

67c. All Rescue Windows are Operable:

- ☐ Yes
- ☐ No
- ☒ N/A

67d. Year of Last Major Reconstruction/Replacement:

1958

67e. Expected Remaining Useful Life (Years):

0

67f. Cost to Reconstruct/Replace \$:

110,000.00

67g. Comments:

(No Response)

Roof and Skylights (S)**68. Roof and Skylights (S)**

- ☒ Yes
- ☐ No

68a. Type of roof construction (check all that apply):

- ☐ Metal deck on metal trusses/joists
- ☐ Wood deck on wood trusses/joists
- ☐ Wood deck on metal trusses/joists
- ☒ Concrete on metal deck on metal trusses/joists
- ☐ Other (describe below)

68a.1 Other roof construction type:

(No Response)

68b. Type of roofing material (check all that apply):

- ☐ Single-ply membrane
- ☒ Built-up
- ☐ Asphalt shingle
- ☐ Pre-formed metal
- ☐ IRMA
- ☐ Slate
- ☐ Other (describe below)

68b.1 Other roofing material:

(No Response)

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68c. Evidence of structural concerns with roof support system (beams/joists/trusses, etc.) (check all that apply):

- ☐ Structural cracks
- ☐ Unsupported ends
- ☐ Rot/Decay/Corrosion
- ☐ Deflection
- ☐ Seriously damaged/missing components
- ☒ Other concerns (describe)
- ☐ None

68c.1 Describe other concerns:

Roof drains, leaks.

68d. Evidence of structural concerns with roof deck (check all that apply):

- ☒ Cracks
- ☐ Deflection
- ☐ Rot/Decay/Corrosion
- ☐ None

68e. Does this facility have skylights?

- ☐ Yes
- ☒ No

68f. Skylight material (check all that apply):

- ☐ Plastic
- ☐ Glass
- ☐ Other
- ☒ N/A

68g. Overall condition of skylights:

- ☐ Excellent
- ☐ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

68h. Evidence of concerns with roofing, skylights, flashings, and drains (check all that apply):

- ☐ Failures/Splits/Cracks
- ☐ Rot/Decay/Corrosion
- ☐ Inadequate flashing/curbs/pitch pockets
- ☐ Inadequate or poorly functioning roof drains
- ☐ Evidence of water penetration/active leaks
- ☐ Other (specify)
- ☒ None

68h.1 Specify other concerns:

(No Response)

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68i. Overall Condition of Roof and Skylights:

- ☐ Excellent
- ☒ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

68j. Year of Last Major Reconstruction/Replacement:

1954

68k. Expected Remaining Useful Life (Years):

0

68l. Cost to Reconstruct/Replace \$:

170,000.00

68m. Comments:

(No Response)

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Interior Spaces

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INTERIOR SPACES**69. Interior Bearing Walls and Fire Walls (S)**

- ☒ Yes
☐ No

69a. Overall condition of interior bearing walls and fire walls:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-functioning
☐ Critical Failure

69b. Year of Last Major Reconstruction/Replacement:

1958

69c. Expected Remaining Useful Life (Years):

10

69d. Cost to Reconstruct/Replace \$:

(No Response)

69e. Comments:

(No Response)

Other Interior Walls**70. Other Interior Walls**

- ☒ Yes
☐ No

70a. Overall condition of other interior walls:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

70b. Year of Last Major Reconstruction/Replacement:

1958

70c. Expected Remaining Useful Life (Years):

5

70d. Cost to Reconstruct/Replace \$:

17,500.00

70e. Comments:

(No Response)

Floor Finishes

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Interior Spaces

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71. Carpet

- ☐ Yes
☒ No

72. Resilient Tiles or Sheet Flooring

- ☒ Yes
☐ No

72a. Where located (check all that apply):

- ☐ Instructional Space
☒ Common Area

72b. Overall condition of resilient tiles or sheet flooring:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

72c. Year of Last Major Reconstruction/Replacement:

1958

72d. Expected Remaining Useful Life (Years):

0

72e. Cost to Reconstruct/Replace \$:

10,000.00

72f. Comments:

(No Response)

73. Hard Flooring (concrete; ceramic tile; stone; etc)

- ☒ Yes
☐ No

73a. Where located (check all that apply):

- ☐ Instructional Space
☒ Common Area

73b. Overall condition of hard flooring:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

73c. Year of Last Major Reconstruction/Replacement:

1940

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Interior Spaces

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73d. Expected Remaining Useful Life (Years):

0

73e. Cost to Reconstruct/Replace \$:

38,000.00

73f. Comments:

(No Response)

74. Wood Flooring

☐ Yes

☒ No

Ceilings (H)

75. Ceilings (H)

☒ Yes

☐ No

75a. Overall condition of ceilings:

☐ Excellent

☒ Satisfactory

☐ Unsatisfactory

☐ Non-Functioning

☐ Critical Failure

75b. Year of Last Major Reconstruction/Replacement:

1940

75c. Expected Remaining Useful Life (Years):

5

75d. Cost to Reconstruct/Replace \$:

(No Response)

75e. Comments:

(No Response)

Lockers

76. Lockers

☐ Yes

☒ No

76d. Cost to Reconstruct/Replace \$:

(No Response)

Interior Doors

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Interior Spaces

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77. Interior Doors

- ☒ Yes
☐ No

77a. Overall condition of interior door units:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

77b. Overall condition of interior door hardware:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

77c. Year of Last Major Reconstruction/Replacement:

1958

77d. Expected Remaining Useful Life (Years):

0

77e. Cost to Reconstruct/Replace \$:

9,000.00

77f. Comments:

(No Response)

Interior Stairs (S)**78. Interior Stairs (S)**

- ☐ Yes
☒ No

Elevator, Lifts and Escalators (H)**79. Elevator, Lift, and Escalators (H)**

- ☐ Yes
☒ No

Interior Electrical Distribution (H)**80. Interior Electrical Distribution (H)**

- ☒ Yes
☐ No

80a. Interior electrical supply meets current needs:

- ☐ Yes
☒ No

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Interior Spaces

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80b. Condition of interior electrical distribution:

- ☐ Excellent
- ☒ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

80c. Year of Last Major Reconstruction/Replacement:

1998

80d. Expected Remaining Useful Life (Years):

0

80e. Cost to Reconstruct/Replace \$:

20000

80f. Comments:

Branch circuit wiring should be replaced. Cloth covered.

Lighting Fixtures**81. Interior Lighting Fixtures**

- ☒ Yes
- ☐ No

81a. Condition of interior lighting fixtures:

- ☐ Excellent
- ☒ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

81b. Year of Last Major Reconstruction/Replacement:

1958

81c. Expected Remaining Useful Life (Years):

0

81d. Cost to Reconstruct/Replace \$:

50,000.00

81e. Comments:

Replace all lighting inside building.

Communication Systems (H)**82. Communication Systems (H)**

- ☐ Yes
- ☒ No

Swimming Pool and Swimming Pool Systems

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Interior Spaces

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83. Swimming Pool and Swimming Pool Systems

☐ Yes

☒ No

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Plumbing (Excluding HVAC Systems)

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PLUMBING**84. Water Distribution System (H)**

- ☒ Yes
☐ No

84a. Types of pipes (check all that apply):

- ☐ Iron
☒ Galvanized
☐ Copper
☐ Lead
☐ PVC
☐ Other

84b. Overall condition of water distribution system:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

84c. Year of Last Major Reconstruction/Replacement:

1954

84d. Expected Remaining Useful Life (Years):

0

84e. Cost to Reconstruct/Replace \$:

55,000.00

84f. Comments:

Replace piping.

Plumbing Drainage System (H)**85. Plumbing Drainage System (H)**

- ☒ Yes
☐ No

85a. Types of pipes (check all that apply):

- ☒ Iron
☐ Galvanized
☐ Copper
☐ Lead
☒ PVC
☐ Other

85b. Overall condition of drainage system:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

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Plumbing (Excluding HVAC Systems)

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85c. Year of Last Major Reconstruction/Replacement:

1958

85d. Expected Remaining Useful Life (Years):

0

85e. Cost to Reconstruct/Replace \$:

40,000.00

85f. Comments:

(No Response)

Hot Water Heaters (H)**86. Hot Water Heaters (H)**☒ Yes☐ No**86a. Type of fuel (check all that apply):**☐ Oil☒ Natural Gas☐ Electricity☐ Propane☐ Other**86b. Overall condition of hot water heaters:**☐ Excellent☒ Satisfactory☐ Unsatisfactory☐ Non-Functioning☐ Critical Failure**86c. Year of Last Major Reconstruction/Replacement:**

1995

86d. Expected Remaining Useful Life (Years):

5

86e. Cost to Reconstruct/Replace \$:

(No Response)

86f. Comments:

30 gal dom.

Plumbing Fixtures**87. Plumbing Fixtures**☒ Yes☐ No

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Plumbing (Excluding HVAC Systems)

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87a. Overall condition of plumbing fixtures (including toilets, urinals, lavatories, etc):

- ☐ Excellent
- ☒ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

87b. Year of Last Major Reconstruction/Replacement:

1958

87c. Expected Remaining Useful Life (Years):

0

87d. Cost to Reconstruct/Replace \$:

28,000.00

87e. Comments:

Replace all fixtures.

2015 Building Condition Survey Instrument - 2015 Building Conditions SurveyHVAC Systems

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HVAC SYSTEMS**88. HVAC Systems Type****88a. Does this building have a central HVAC system?**

- ☐ Yes
☒ No

Heat Generating Systems (H)**88b.1 Other central HVAC system technology:**

(No Response)

89. Heat Generating Systems (H)

- ☒ Yes
☐ No

89a. Heat generation source (check all that apply):

- ☐ Boiler / Hot Water
☒ Boiler / Steam
☐ Furnace / Forced Air
☐ Unit Ventilation
☐ Geothermal
☐ Biomass
☐ Electric
☐ Other (describe below)

89a.1 Other heat generation source:

(No Response)

89b. Overall condition of heat generating systems:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

89c. Year of Last Major Reconstruction/Replacement:

1984

89d. Expected Remaining Useful Life (Years):

0

89e. Cost to Reconstruct/Replace \$:

240,000.00

89f. Comments:

Unit has reached the end of its useful life. Remove and replace with gas fired CH heating units and ventilation system.

Heating Fuel/Energy Systems (H)

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HVAC Systems

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90. Heating Fuel / Energy Systems (H)

- ☒ Yes
☐ No

90a. Overall condition of heating fuel / energy systems:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

90b. Year of Last Major Reconstruction/Replacement:

1984

90c. Expected Remaining Useful Life (Years):

0

90d. Cost to Reconstruct/Replace \$:

27,000.00

90e. Comments:

Will need to be upsized for new heating system.

Cooling/Air Conditioning Generating Systems**91. Cooling / Air-Conditioning Generating Systems**

- ☐ Yes
☒ No

AIR HANDLING AND VENTILATION EQUIPMENT**92. Air Handling and Ventilation Equipment: Supply Units, Exhaust Units, Relief/Return Units, etc. (H)**

- ☒ Yes
☐ No

92a. Overall condition of air handling and ventilation systems:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

92b. Year of Last Major Reconstruction/Replacement:

1940

92c. Expected Remaining Useful Life (Years):

0

92d. Cost to Reconstruct/Replace \$:

70,000.00

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

HVAC Systems

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92e. Comments:

Add ventilation rooftop unit for offices and add toilet exhaust systems.

Piped Heating and Cooling Distribution Systems**93. Piped Heating and Cooling Distribution Systems: Piping, Pumps, Radiators, Convectorss, Traps, Insulation, etc. (H)**

- ☒ Yes
☐ No

93a. Overall condition of piped heating and cooling distribution systems:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

93b. Year of Last Major Reconstruction/Replacement:

1940

93c. Expected Remaining Useful Life (Years):

0

93d. Cost to Reconstruct/Replace \$:

(No Response)

93e. Comments:

(No Response)

Ducted Heating and Cooling Distribution Systems**94. Ducted Heating and Cooling Distribution Systems: Ductwork, Control Dampers, Fire/Smoke Dampers, VAVs, Insulation, etc. (H)**

- ☐ Yes
☒ No

HVAC Control Systems**95. HVAC Control Systems (H)**

- ☐ Yes
☒ No

2015 Building Condition Survey Instrument - 2015 Building Conditions SurveyFire Safety Systems

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Fire Safety Systems**96. Fire Alarm Systems (H)**☐ Yes☒ No**Smoke Detection System (H)****97. Smoke Detection Systems (H)**☐ Yes☒ No**Fire Suppression Systems****98. Fire Suppression Systems: Sprinklers, Standpipes, Kitchen Hoods, etc. (H)**☐ Yes☒ No**Emergency/Exit Lighting Systems****99. Emergency / Exit Lighting Systems (H)**☒ Yes☐ No**99a. Overall condition of emergency / exit lighting systems:**☐ Excellent☒ Satisfactory☐ Unsatisfactory☐ Non-Functioning☐ Critical Failure**99b. Year of Last Major Reconstruction/Replacement:**

2000

99c. Expected Remaining Useful Life (Years):

5

99d. Cost to Reconstruct/Replace \$:

10,000.00

99e. Comments;

Add emergency lighting at exit discharge and inside building.

Emergency/Standby Power Systems**100. Emergency or Standby Power System (H)**☐ Yes☒ No

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Accessibility

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ACCESSIBILITY**101. Exterior Accessible Route (H)**

People with disabilities should be able to arrive on site, approach the building, and enter as freely as everyone else. At least one route of travel should be safe and accessible for everyone, including people with disabilities. This route must include handicapped parking, curb cuts, ramps, and automatic door operators as necessary to enter the building.

Is there an accessible exterior route as specified above?

- ☒ Yes
☐ No

102. Interior Accessible Route, Access to Goods and Services, and Restroom Facilities (H)

The layout of the building should allow people with disabilities to obtain materials or services and use the facilities without assistance. This should include access to general purpose and specialized classrooms, public assembly spaces (such as libraries, gymnasiums, auditoriums), nurse's office, main office, and restroom facilities. Services include drinking fountains, telephones, and other amenities.

Is there an accessible interior route as specified above?

- ☒ Yes
☐ No

103. Additional Information on Accessibility

If the building lacks accessible interior or exterior routes:

103a. Cost of improvements needed to provide accessible exterior and interior routes as specified above \$:

(No Response)

103b. Comments:

(No Response)

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Environment/Comfort/Health

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ENVIRONMENT/COMFORT/HEALTH**104. General Appearance****104a. Overall Rating:**

- ☐ Good
☒ Fair
☐ Poor

104b. Comments:

(No Response)

105. Cleanliness**105a. Overall Rating:**

- ☐ Good
☒ Fair
☐ Poor

105b. Comments:

(No Response)

106. Are there walk off mats; grills in the entryway?

- ☐ Yes
☒ No

107. Is there noise in classrooms from HVAC units, traffic, etc. that may impact education?

- ☐ Yes
☒ No

108. Lighting Quality:**108a. Types of lighting in general purpose classrooms (check all that apply):**

- ☒ Daylight
☐ Fluorescent-not full spectrum
☐ Fluorescent full spectrum
☒ Incandescent
☐ Other (describe)

108b. Are there blinds in the classroom to prevent glare?

- ☒ Yes
☐ No

108c. Overall Rating:

- ☐ Good
☒ Fair
☐ Poor

108d. Comments:

(No Response)

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Environment/Comfort/Health

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109. Evidence of Vermin

109a. Is there evidence of active infestations of...(check all that apply)?

- ☐ Rodents
- ☐ Wood-boring or Wood-eating Insects
- ☐ Cockroaches
- ☐ Other Vermin
- ☒ None

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Indoor Air Quality

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Indoor Air Quality**110. Mold****110a. Is there visible mold or moldy odors?**

- ☐ Yes
☒ No

110c. Are any surfaces constructed of any of the following materials?

- ☐ Paper-faced or gypsum products
☐ Cellulose products (typically ceiling tiles)

110d. Estimated cost of necessary improvements \$:

(No Response)

110d. Comments:

(No Response)

111. Humidity/Moisture**111a. Overall rating of humidity/moisture condition in building:**

- ☐ Good
☐ Fair
☒ Poor

111b. Are any of the following found in/or around classroom areas (check all that apply)?

- ☐ Active leaks in roof
☐ Active leaks in plumbing
☐ Moisture condensation
☐ Visible stains or water damage
☒ None

111c. Are any of the following found in/or around other areas (check all that apply)?

- ☒ Active leaks in roof
☐ Active leaks in plumbing
☐ Moisture condensation
☒ Visible stains or water damage
☐ None

112. Ventilation: fresh air intake locations, air filters, etc.**112a. Are fresh air intakes near the bus loading, truck delivery, or garbage storage/disposal areas?**

- ☐ Yes
☒ No

112b. Is there accumulated dirt, dust or debris around fresh air intakes?

- ☐ Yes
☒ No

112c. Are fresh air intakes free of blockage?

- ☐ Yes
☒ No

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Indoor Air Quality

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112d. Is accumulated dirt, dust or debris in ductwork?

- ☐ Yes
☒ No

112e. Are dampers functioning as designed?

- ☐ Yes
☒ No

112f. Condition of air filters:

- ☐ Good
☐ Fair
☒ Poor

112g. Outside air is adequate for occupant load:

- ☐ Yes
☒ No

112h. Rating of ventilation/indoor air quality:

- ☐ Good
☐ Fair
☒ Poor

112i. Comments:

(No Response)

113. Indoor Air Quality (IAQ) Plan**113a. Does the school district use EPA's Tools for Schools program?**

- ☐ Yes
☒ No

113b. If No, is some other IAQ management plan used?

- ☒ Yes
☐ No

113c. Has the District assigned IAQ responsibilities to a designated individual?

- ☒ Yes
☐ No

113c.1 If Yes, what is their job title?

Health and Safety Officer.

114. Does the school practice IPM?

- ☒ Yes
☐ No

114a. Is vegetation kept one foot away from the building?

- ☒ Yes
☐ No

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Indoor Air Quality

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114b. Are crevices and holes in walls, floors and pavement sealed or eliminated?

- ☒ Yes
☐ No

114c. Is there a certified pesticide applicator on staff?

- ☐ Yes
☒ No

114d. Are pesticides used in the building?

- ☐ Yes
☒ No

114d.1 If Yes, how are they typically applied?

- ☐ Spot treatment
☐ Area wide treatments

114e. Are pesticides used on the grounds?

- ☐ Yes
☒ No

114e.1 If Yes, was an emergency exemption granted by the Board of Education?

- ☐ Yes
☐ No

115. Does the school have a passive radon mitigation system installed (was built with radon resistant features)?

- ☐ Yes
☒ No

115a. Has the facility been tested for the presence of radon?

- ☒ Yes
☐ No

115b. Were any of the results of the test greater than or equal to 4 picocuries per liter (pCi/L)?

- ☐ Yes
☒ No

115c. If Yes, did the school take steps to mitigate the elevated radon levels?

- ☐ Yes, active mitigation system installed
☐ Yes, passive mitigation system made active
☐ Yes, ventilation controls (HVAC) adjusted
☐ Yes, other (describe)
☐ No action taken

115c.1 Describe other actions taken to mitigate elevated radon levels:

(No Response)

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

American Red Cross

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American Red Cross Shelter

116. American Red Cross Shelter

☐ Yes

☒ No

TRANSPORTATION FACILITY

Year Constructed: 2006

Stories: 1

Building Area: 13,443 approximate GSF

Primary Occupancy: S – Storage



The Transportation facility is located at 9 Mustang Hill, Marcellus, NY 13108. The building was constructed in 2006 and has had no additions.

The Transportation Facility is a one-story pre-engineered steel building on concrete masonry unit foundation walls and cast-in-place concrete footings. The roof structure consists of steel framing/purlins and formed metal roofing. The exterior walls consist of CMU and metal wall panels. Interior partition walls are CMU and metal framed gypsum board. The floors are cast-in-place concrete. The structural systems are in good shape, with no visible signs of distress.

The following items were identified as having a need for completion over the next five years:

1. Site Items:

- Clean out retention basin of silt and debris.
- Repair pot holes in asphalt drive.
- Replace damaged sections on concrete gutter.
- Widen sidewalk on north end connecting both parking lots for plow width.
- Provide curb ramp at walk for east parking lot.
- Provide curb ramp at concrete walk in bus parking area at gate.

2. Building Items:

- Address wash bay corrosion.

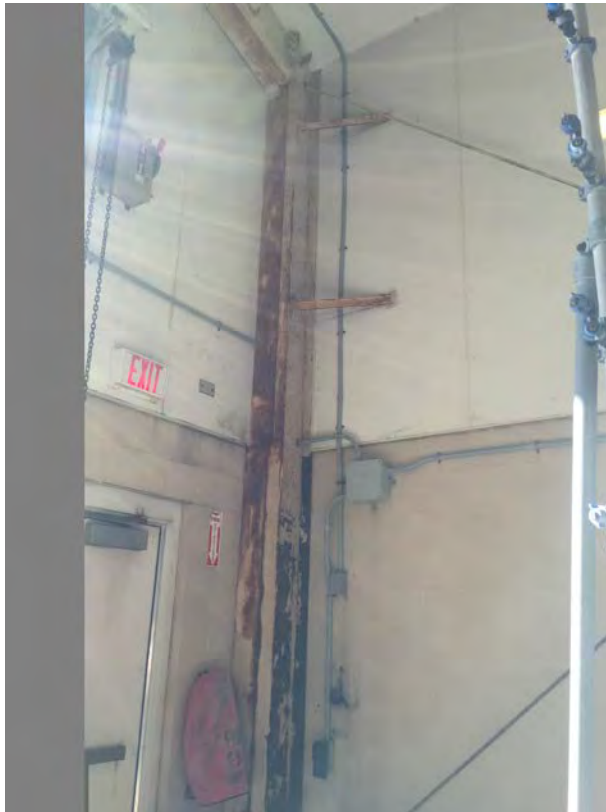
3. Mechanical/Plumbing System Items:

- Balance wash bay waste water.

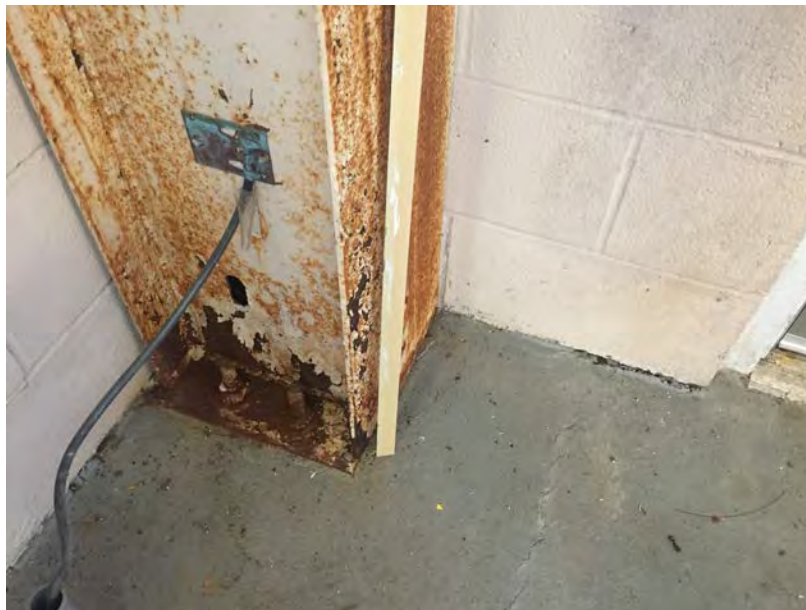
4. Electrical System Items:

- Bolt transformer to pad.
- Add generator for emergency command center.

PHOTOS OF IDENTIFIED BCS AND FIVE YEAR PLAN ITEMS



Trans. Facility – Resolve corrosion in wash bay



Trans. Facility – Resolve corrosion in wash bay

Building Condition Survey Supplemental Information

Project:	Marcellus CSD - Transportation		
Architect:	SEI Design Group		
Date of Visit:	5-31-16	Weather:	Sunny
Participants:	Brittany Belding		

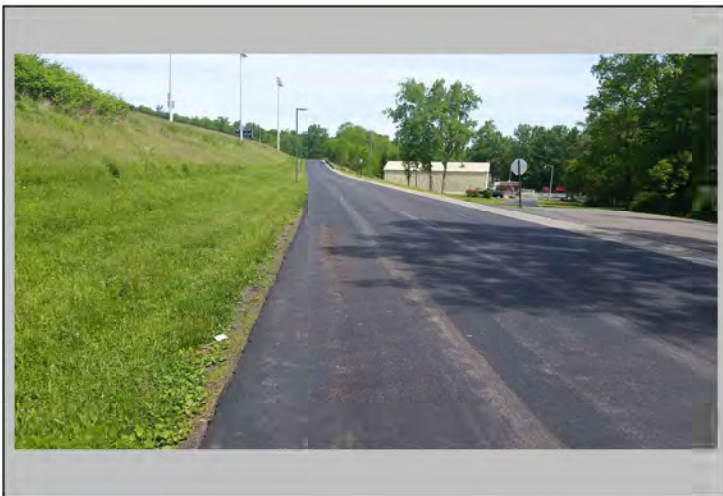
The following photographs were taken by Appel Osborne Landscape Architecture (AOLA) for providing additional information on items identified during the NYS Education Department Building Condition Survey reviews with the Owner and design team. All photographs are keyed into an overall site plan and line item budgets, both of which are provided by AOLA.



Photograph Number: 1
Budget Line Item Number: \$20,000 (48)

Item Description:

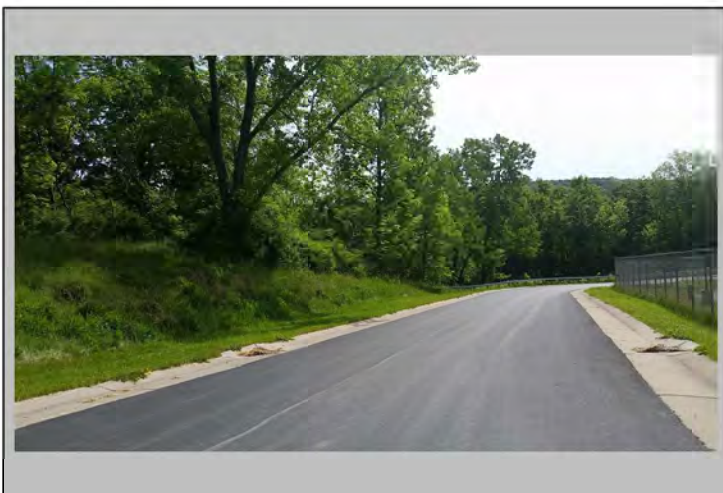
Clean out retention basin of silt and debris



Photograph Number: 2
Budget Line Item Number: \$15,000 (53)

Item Description:

Repair pot holes in asphalt drive (approx. 1,000 sf)



Photograph Number: 3
Budget Line Item Number: \$15,000 (53)

Item Description:

Replace damaged sections of concrete gutter
(approx. 100 lf)

Building Condition Survey Supplemental Information

Project:	Marcellus CSD - Transportation		
Architect:	SEI Design Group		
Date of Visit:	5-31-16	Weather:	Sunny
Participants:	Brittany Belding		

The following photographs were taken by Appel Osborne Landscape Architecture (AOLA) for providing additional information on items identified during the NYS Education Department Building Condition Survey reviews with the Owner and design team. All photographs are keyed into an overall site plan and line item budgets, both of which are provided by AOLA.



Photograph Number: 4
Budget Line Item Number: \$8,000 (54)

Item Description:

Widen sidewalk on north end connecting both parking lots for plow width



Photograph Number: 5
Budget Line Item Number: \$2,000 (54)

Item Description:

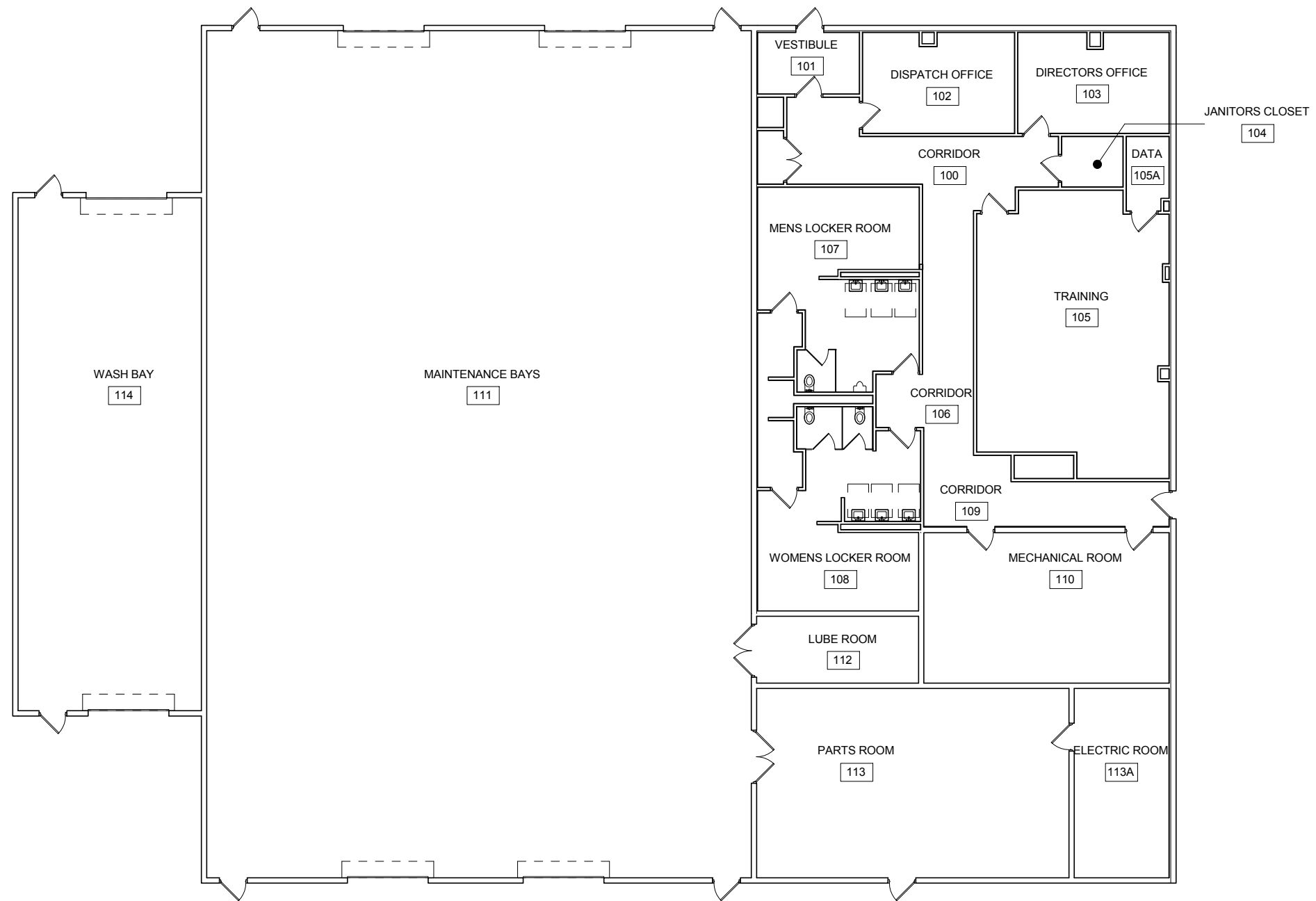
Provide curb ramp at walk for east parking lot



Photograph Number: 6
Budget Line Item Number: \$5,000 (54)

Item Description:

Provide curb ramp at concrete walk in bus parking area at gate



1 OVERALL FIRST FLOOR PLAN

1/16" = 1'-0"

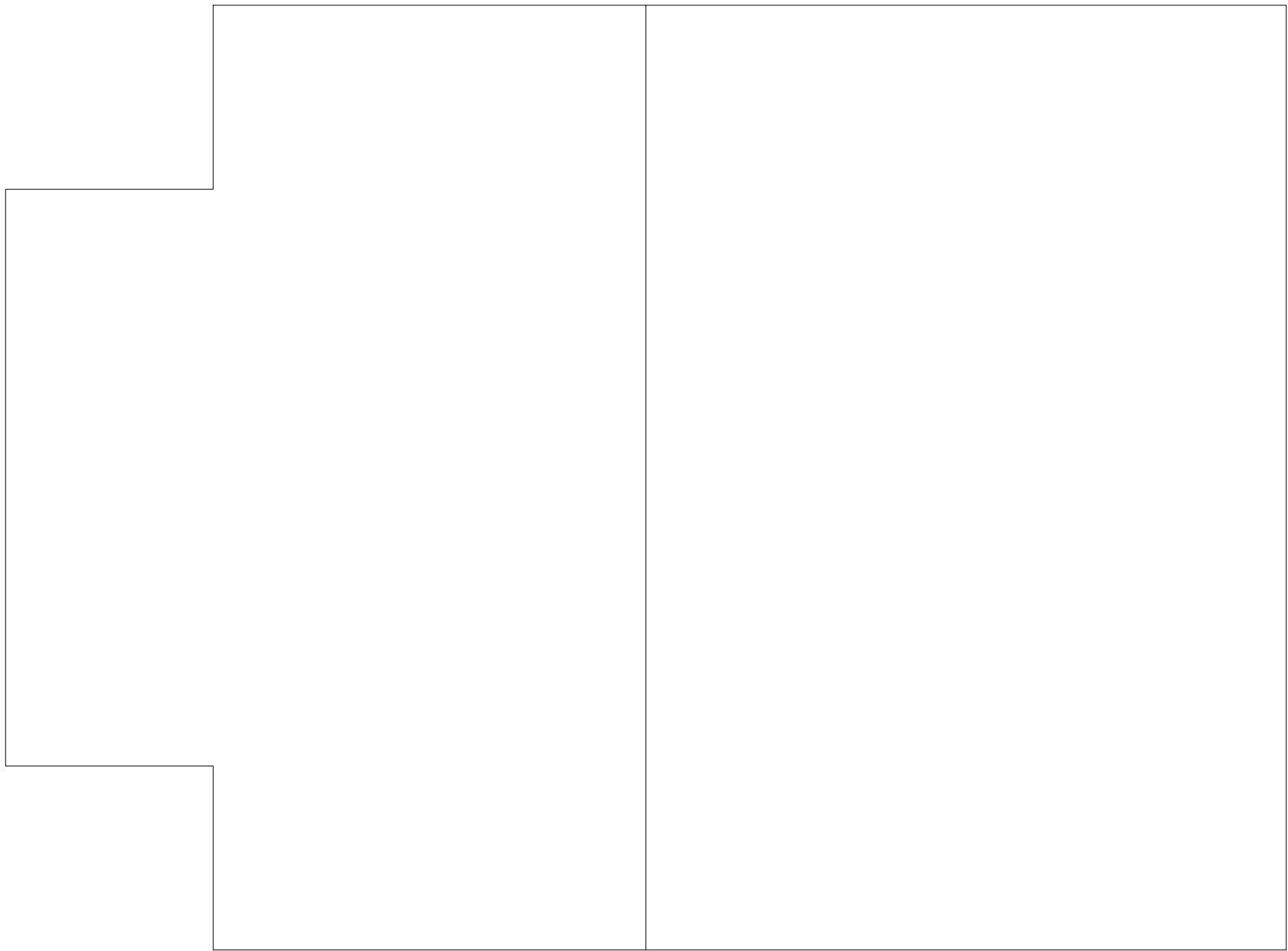


MARCELLUS CENTRAL SCHOOL DISTRICT
TRANSPORTATION FACILITY

OVERALL FIRST FLOOR PLAN

TF 0.01

Scale 1/16" = 1'-0"



1

OVERALL ROOF PLAN

1/16" = 1'-0"



MARCELLUS CENTRAL SCHOOL DISTRICT

TRANSPORTATION FACILITY

OVERALL ROOF PLAN

TF 0.02

Scale 1/16" = 1'-0"

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Building Information

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Building Information**1. Name of School District:**

MARCELLUS CSD

2. SED District 8-Digit BEDS Code:

421101060000

3. Building Name:

Transportation Facility

4. SED 4-Digit Facility Code:

5012

5. Survey Inspection Date:

11/03/2015

6. Building 911 Address:

9 Mustang Hill

7. City:

Marcellus

8. Zip Code:

13108

9. Certificate of Occupancy Status:

- ☒ A - Annual
☐ T - Temporary
☐ N - None

10. Certificate of Occupancy Expiration Date:

03/01/2017

Building Age, Gross Square Footage and Maintenance Staff**11. Year of Original Building:**

2006

12. Gross square ft. of Building as currently configured:

13,443

13. Number of Floors:

1

14. How many full-time and part-time custodians are employed at the school (or work in the building)?

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Building Information

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	Count Employees
Full-time custodians:	0
Part-time custodians:	0
Totals:	

Building Ownership and Occupancy Status**15. Building Ownership (check one):**

- ☒ Owned and used by district
☐ Owned by District and leased to non-district entity
☐ Owned by District, part used by district, part leased to non-district entity
☐ Owned by non-district entity and leased to district

16. For which of the following purposes is the building currently used? (check all that apply)

- ☐ Used for student instructional purposes
☐ Used for district administration
☒ Used for other district purposes
☐ Used by other organization(s)

16a. Describe use for other district purposes:

Transportation.

Building Users**17. How many students were registered to receive instruction in this building as of October 1, 2014? (If none, enter "0") and skip to "Program Spaces" section. (Do not include evening class students)**

0

18. Of these registered students, how many receive most of their instruction in:

	Quantity
18a. Permanent instructional spaces (i.e., regular classrooms)	0
18b. Temporary instructional spaces (i.e., portable or demountable classrooms) attached to the building	0
18c. Non-instructional spaces used as instructional spaces	0

18c.1 If the answer is greater than zero, which types of non-instructional spaces were being used for instructional purposes on October 1, 2014? (check all that apply)

- ☐ Cafeteria
☐ Gymnasium
☐ Administrative Spaces
☐ Library
☐ Lobby
☐ Stairwell
☐ Storage space
☐ Other (please describe)
☒ None

19. Grades Housed:

N/A

2015 Building Condition Survey Instrument - 2015 Building Conditions SurveyBuilding Information

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20. For how many instructional days during the 2013-14 school year (July 1 through June 30, was the building closed due to facilities failures, system malfunctions, structural problems, fire, etc? (if none, enter "0")

0

21. Is the building used for instructional purposes in the summer?

☐ Yes☒ No

22. Have there been renovations or construction in the building during the past 12 months?

☐ Yes☒ No

23. Was major construction/renovation work since 2010 conducted when school was in session?

☐ Yes☒ No

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Program Spaces

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Program Spaces

24. Number of instructional classrooms:

0

25. Gross square footage of all instructional classrooms (combined):

0.00

26. Other spaces provided: (check all that apply)

- | | | |
|---|---|---|
| <input checked="" type="checkbox"/> a. N/A (none) | <input type="checkbox"/> j. Health Office | <input type="checkbox"/> s. Resource Rooms |
| <input type="checkbox"/> b. Administration | <input type="checkbox"/> k. Home & Careers | <input type="checkbox"/> t. Science Labs |
| <input type="checkbox"/> c. Art | <input type="checkbox"/> l. Kitchen | <input type="checkbox"/> u. Special Education |
| <input type="checkbox"/> d. Audio Visual | <input type="checkbox"/> m. Large Group Instruction | <input type="checkbox"/> v. Swimming Pool |
| <input type="checkbox"/> e. Auditorium | <input type="checkbox"/> n. Library | <input type="checkbox"/> w. Teacher Resource |
| <input type="checkbox"/> f. Cafeteria | <input type="checkbox"/> o. Multipurpose Rooms | <input type="checkbox"/> x. Technology/Shop |
| <input type="checkbox"/> g. Computer Room | <input type="checkbox"/> p. Music | <input type="checkbox"/> y. Other (please describe) |
| <input type="checkbox"/> h. Guidance | <input type="checkbox"/> q. Pre-K | |
| <input type="checkbox"/> i. Gymnasium | <input type="checkbox"/> r. Remedial Rooms | |

26y. Describe other spaces

(No Response)

Space Adequacy

27. Rating of space adequacy:

- ☒ Good
- ☐ Fair
- ☐ Poor

27a. Enter comments:

(No Response)

28. Estimated capital construction expenses anticipated for this building through 2020-2021 school year excluding maintenance (to be answered after the building inspection is complete) \$

50,000.00

29. Overall building rating (to be answered after the building inspection is complete)

- ☒ Excellent
- ☐ Satisfactory
- ☐ Unsatisfactory
- ☐ Poor

30. Was overall building rating established after consultation with health and safety committee?

- ☒ Yes
- ☐ No

A/E Information:

31. A/E Firm Name:

SEI Design Group Architects, DPC

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Program Spaces

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32. A/E Firm Address:

187 Wolf Road
Suite 304
Albany, NY 12205

33. A/E Firm Phone Number:

5184352467

34. E-mail:

msm@seidesigngroup.com

35. A/E Name:

Matthew S. Monaghan

36. A/E License #:

029199

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Site Utilities

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Site Utilities**37. Water**

- ☒ Yes
☐ No

37a. Type of Service:

- ☒ Municipal or Utility provided
☐ Well
☐ Other

37b. Condition:

- ☒ Excellent
☐ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

37c. Year of Last Major Reconstruction/Replacement:

2006

37d. Expected Remaining Useful Life (Years):

35

37e. Cost to Reconstruct/Replace \$:

(No Response)

37f. Comments:

(No Response)

38. Site Sanitary (H)

- ☒ Yes
☐ No

38a. Type of Service:

- ☒ Municipal or utility sewer
☐ Site septic
☐ Other

38b. Condition:

- ☒ Excellent
☐ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

38c. Year of Last Major Reconstruction/Replacement:

2006

38d. Expected Remaining Useful Life (Years):

35

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Site Utilities

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38e. Cost to reconstruct/Replace \$:

(No Response)

38f. Comments:

(No Response)

39. Site Gas (H)☒ Yes☐ No**39a. Type of gas service:**☒ Natural Gas☐ Liquid Petroleum**39b. Condition:**☐ Excellent☒ Satisfactory☐ Unsatisfactory☐ Non-Functioning☐ Critical Failure**39c. Year of Last Major Reconstruction/Replacement;**

2006

39d. Expected Remaining Useful Life (Years):

40

39e. Cost to Reconstruct/Replace \$:

(No Response)

39f. Comments:

(No Response)

40. Site Fuel Oil (H)☐ Yes☒ No**41. Site Electrical, Including Exterior Distribution (H)**☒ Yes☐ No**41a. Service Provider:**☒ Municipal or utility provided☐ Self-Generated☐ Other☐ N/A

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Site Utilities

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41b. Type of Service:

- ☐ Above Ground
☒ Below Ground
☐ N/A

41c. Condition:

- ☒ Excellent
☐ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

41d. Year of Last Major Reconstruction/Replacement:

2006

41e. Expected Remaining Useful Life (Years):

30

41f. Cost to Reconstruct/Replace \$:

(No Response)

41g. Comments:

(No Response)

Stormwater Management**42. Closed Drainage Pipe Stormwater Management System****42a. Does this facility have a closed pipe system?**

- ☒ Yes
☐ No

42b. Condition:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

42c. Year of Last Major Reconstruction/Replacement:

2006

42d. Expected Remaining Useful Life (Years):

15

42e. Cost to Reconstruct/Replace \$:

(No Response)

42f. Comments:

(No Response)

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Site Utilities

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43. Open Drainage Pipe Stormwater Management System

43a. Does this facility have an open stormwater system (ditch)?

- ☒ Yes
☐ No

43b. Condition:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

43c. Year of Last Major Reconstruction/Replacement:

2006

43d. Expected Remaining Useful Life (Years):

15

43e. Cost to Reconstruct/Replace \$:

(No Response)

43f. Comments:

(No Response)

44. Catch Basins/Drop Inlets/Manholes

44a. Does this facility have catch basins/drop inlets/manholes?

- ☒ Yes
☐ No

44b. Condition:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

44c. Year of Last Major Reconstruction/Replacement:

2006

44d. Expected Remaining Useful Life (Years):

15

44e. Cost to Reconstruct/Replace \$:

(No Response)

44f. Comments:

(No Response)

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Site Utilities

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45. Culverts**45a. Does this facility have culverts?**

- ☐ Yes
☒ No

46. Outfalls**46a. Does this facility have outfalls?**

- ☒ Yes
☐ No

46b. Condition:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

46c. Year of Last Major Reconstruction/Replacement:

2006

46d. Expected Remaining Useful Life (Years):

25

46e. Cost to Reconstruct/Replace \$:

(No Response)

46f. Comments:

(No Response)

47. Infiltration Basins/Chambers**47a. Does this facility have infiltration basins/chambers?**

- ☐ Yes
☒ No

48. Retention Basins**48a. Does this facility have retention basins?**

- ☒ Yes
☐ No

48b. Condition:

- ☒ Excellent
☐ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Site Utilities

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48c. Year of Last Major Reconstruction/Replacement:

2006

48d. Expected Remaining Useful Life (Years):

15

48e. Cost to Reconstruct/Replace \$:

20,000.00

48f. Comments:

Clean out basin of silt and debris.

49. Wetponds**49a. Does this facility have wetponds?**

- ☐ Yes
☒ No

50. Manufactured Stormwater Proprietary Units**50a. Does this facility have proprietary units?**

- ☐ Yes
☒ No

51. Point of Outfall Discharge: (check all that apply)

- ☐ Municipal storm sewer system
☐ Combined sewer system
☒ Surface Water
☐ On-site recharge
☐ Other (describe)
☐ Not Applicable

52. Outfall Reconnaissance Inventory

Were all stormwater outfalls inspected during dry weather for signs of non-stormwater discharge?

- ☒ Yes
☐ No
☐ Not Applicable

2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Other Site Features

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Other Site Features**53. Pavement (Roadways and Parking Lots)**

- ☒ Yes
☐ No

53a. Type: (check all that apply)

- ☐ Concrete
☒ Asphalt
☐ Gravel
☐ Other
☐ None

53b. Condition:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

53c. Year of Last Major Reconstruction/Replacement:

2006

53d. Expected Remaining Useful Life (Years):

15

53e. Cost to Reconstruct/Replace \$:

30,000.00

53f. Comments:

Repair pot holes in main drive and replace damaged gutter.

54. Sidewalks

- ☒ Yes
☐ No

54a. Type: (check all that apply)

- ☒ Concrete
☐ Asphalt
☐ Paver
☐ Other

54b. Condition:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

54c. Year of Last Major Reconstruction/Replacement:

2006

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Other Site Features

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54d. Expected Remaining Useful Life (Years):

15

54e. Cost to Reconstruct/Replace \$:

15,000.00

54f. Comments:

Provide concrete curb ramps and widen walk on north end.

55. Playgrounds and Playground Equipment☐ Yes☒ No**56. Athletic Fields and Play Fields**☐ Yes☒ No**56f. Does the facility have synthetic turf field(s)**☐ Yes☒ No**56f.1 If Yes, how many synthetic turf fields?**

(No Response)

56f.2 Expected Remaining Useful Life of Synthetic Turf Field(s):

(No Response)

56f.3 Type of synthetic turf field infill:

(No Response)

57. Exterior Bleachers / Stadiums☐ Yes☒ No**58. Related Structures (such as Press Boxes, Dugouts, Climbing Walls, etc.)**☐ Yes☒ No

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Substructure

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Substructure**59. Foundation (S)****59a. Type (check all that apply):**

- ☐ Reinforced Concrete
- ☒ Masonry on Concrete Footing
- ☐ Other

59b. Evidence of structural concerns (check all that apply):

- ☐ Structural Cracks
- ☐ Heaving/Jacking
- ☐ Decay/Corrosion
- ☐ Water Penetration
- ☐ Unsupported Ends
- ☐ Other
- ☒ None

59c. Condition:

- ☒ Excellent
- ☐ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

59d. Year of Last Major Reconstruction/Replacement:

2006

59e. Expected Remaining Useful Life (Years):

50

59f. Cost to Reconstruct/Replace \$:

(No Response)

59g. Comments:

(No Response)

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BUILDING ENVELOPE**60. Structural Floors (S)****60a. Type (check all that apply):**

- ☒ Reinforced Concrete Slab on Grade
- ☐ Concrete/Metal Deck/Metal Joists
- ☐ Precast Concrete Structural System
- ☐ Wood Deck on Wood Trusses
- ☐ Wood Deck on Wood Joists
- ☐ Concrete Deck on Wood Structure
- ☐ Other (specify)

60b. Evidence of Structural Concerns with Floor Support System (Beams/Joists/Trusses, etc.) (check all that apply):

- ☐ Structural Cracks
- ☐ Unsupported Ends
- ☐ Rot/Decay/Corrosion
- ☐ Deflection
- ☐ Seriously Damaged/Missing Components
- ☐ Other Problems
- ☒ None

60b.1 Describe Other Problems:

(No Response)

60c. Evidence of Structural Concerns with Structural Floor Deck (check all that apply):

- ☐ Cracks
- ☐ Deflection
- ☐ Rot/Decay/Corrosion
- ☒ None

60d. Overall Condition of Structural Floors:

- ☒ Excellent
- ☐ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

60e. Year of Last Major Reconstruction/Replacement:

2006

60f. Expected Remaining Useful Life (Years):

20

60g. Cost to Reconstruct/Replace \$:

(No Response)

60h. Comments:

(No Response)

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Building Envelope

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61. Exterior Walls/Columns (S)**61a. Material (check all that apply):**

- ☐ Concrete
- ☒ Masonry
- ☒ Steel
- ☐ Wood
- ☐ Other (specify)

61b. Evidence of Structural Concerns with Support System (columns, base plates, connections, etc.) (check all that apply):

- ☐ Structural Cracks
- ☒ Rot/Decay/Corrosion
- ☐ Other Problems
- ☐ None

61b.1 Describe Other Problems:

(No Response)

61c. Evidence of Concerns with Exterior Cladding (check all that apply):

- ☐ Cracks/Gaps
- ☐ Inadequate Flashing
- ☐ Efflorescence
- ☐ Moisture Penetration
- ☐ Rot/Decay/Corrosion
- ☐ Other Problems
- ☒ None

61c.1 Describe Other Problems:

(No Response)

61d. Overall Condition of Exterior Walls/Columns:

- ☐ Excellent
- ☒ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

61e. Year of Last Major Reconstruction/Replacement:

2006

61f. Expected Remaining Useful Life (Years):

20

61g. Cost to Reconstruct/Replace \$:

9,500.00

61h. Comments:

Corrosion in wash bay.

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Building Envelope

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62. Chimneys (S)

- ☒ Yes
☐ No

62a. Material (check all that apply):

- ☐ Masonry
☐ Concrete
☒ Metal
☐ Wood
☐ Other

62a.1 Specify other:

(No Response)

62b. Overall Condition of Chimneys:

- ☒ Excellent
☐ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical failure

62c. Year of Last Major Reconstruction/Replacement:

2006

62.d Expected Remaining Useful Life (Years):

20

62e. Cost to Reconstruct/Replace \$:

(No Response)

62f. Comments:

(No Response)

63. Parapets (S)

- ☐ Yes
☒ No

63f. Comments:

(No Response)

64. Exterior Doors**64a. Overall Condition of Exterior Door Units:**

- ☒ Excellent
☐ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

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64b. Overall condition of exterior door hardware:

- ☒ Excellent
- ☐ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

64c. Do any exterior doors have magnetic locking devices?

- ☐ Yes
- ☒ No

64d. Safety/Security features are adequate?

- ☒ Yes
- ☐ No

64e. Year of Last Major Reconstruction/Replacement:

2006

64f. Expected Remaining Useful Life (Years):

10

64g. Cost to Reconstruct/Replace \$:

(No Response)

64h. Comments:

(No Response)

65. Exterior Steps, Stairs, Ramps (S)

- ☒ Yes
- ☐ No

65a. Overall Condition of Exterior Steps, Stairs and Ramps

- ☐ Excellent
- ☒ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

65b. Year of Last Major Reconstruction/Replacement:

2006

65c. Expected Remaining Useful Life (Years):

10

65d. Cost to Reconstruct/Replace \$:

(No Response)

65e. Comments:

(No Response)

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66. Fire Escapes (S)**66a. Does This Facility Have One or More Fire Escapes?**

- ☐ Yes
☒ No

67. Windows

- ☒ Yes
☐ No

67a. Window Material: (check all that apply)

- ☒ Aluminum
☐ Steel
☐ Vinyl
☐ Solid Wood
☐ Wood w/ External Cladding System
☐ Other

67b. Overall Condition of Windows:

- ☒ Excellent
☐ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

67c. All Rescue Windows are Operable:

- ☐ Yes
☐ No
☒ N/A

67d. Year of Last Major Reconstruction/Replacement:

2006

67e. Expected Remaining Useful Life (Years):

15

67f. Cost to Reconstruct/Replace \$:

(No Response)

67g. Comments:

(No Response)

Roof and Skylights (S)**68. Roof and Skylights (S)**

- ☒ Yes
☐ No

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Building Envelope

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68a. Type of roof construction (check all that apply):

- ☒ Metal deck on metal trusses/joists
- ☐ Wood deck on wood trusses/joists
- ☐ Wood deck on metal trusses/joists
- ☐ Concrete on metal deck on metal trusses/joists
- ☐ Other (describe below)

68a.1 Other roof construction type:

(No Response)

68b. Type of roofing material (check all that apply):

- ☐ Single-ply membrane
- ☐ Built-up
- ☐ Asphalt shingle
- ☒ Pre-formed metal
- ☐ IRMA
- ☐ Slate
- ☐ Other (describe below)

68b.1 Other roofing material:

(No Response)

68c. Evidence of structural concerns with roof support system (beams/joists/trusses, etc.) (check all that apply):

- ☐ Structural cracks
- ☐ Unsupported ends
- ☐ Rot/Decay/Corrosion
- ☐ Deflection
- ☐ Seriously damaged/missing components
- ☐ Other concerns (describe)
- ☒ None

68c.1 Describe other concerns:

(No Response)

68d. Evidence of structural concerns with roof deck (check all that apply):

- ☐ Cracks
- ☐ Deflection
- ☐ Rot/Decay/Corrosion
- ☒ None

68e. Does this facility have skylights?

- ☐ Yes
- ☒ No

68f. Skylight material (check all that apply):

- ☐ Plastic
- ☐ Glass
- ☐ Other
- ☒ N/A

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68g. Overall condition of skylights:

- ☒ Excellent
- ☐ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

68h. Evidence of concerns with roofing, skylights, flashings, and drains (check all that apply):

- ☐ Failures/Splits/Cracks
- ☐ Rot/Decay/Corrosion
- ☐ Inadequate flashing/curbs/pitch pockets
- ☐ Inadequate or poorly functioning roof drains
- ☐ Evidence of water penetration/active leaks
- ☐ Other (specify)
- ☒ None

68h.1 Specify other concerns:

(No Response)

68i. Overall Condition of Roof and Skylights:

- ☒ Excellent
- ☐ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

68j. Year of Last Major Reconstruction/Replacement:

2006

68k. Expected Remaining Useful Life (Years):

15

68l. Cost to Reconstruct/Replace \$:

(No Response)

68m. Comments:

(No Response)

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Interior Spaces

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INTERIOR SPACES**69. Interior Bearing Walls and Fire Walls (S)**☒ Yes☐ No**69a. Overall condition of interior bearing walls and fire walls:**☒ Excellent☐ Satisfactory☐ Unsatisfactory☐ Non-functioning☐ Critical Failure**69b. Year of Last Major Reconstruction/Replacement:**

2006

69c. Expected Remaining Useful Life (Years):

25

69d. Cost to Reconstruct/Replace \$:

(No Response)

69e. Comments:

(No Response)

Other Interior Walls**70. Other Interior Walls**☒ Yes☐ No**70a. Overall condition of other interior walls:**☒ Excellent☐ Satisfactory☐ Unsatisfactory☐ Non-Functioning☐ Critical Failure**70b. Year of Last Major Reconstruction/Replacement:**

2006

70c. Expected Remaining Useful Life (Years):

15

70d. Cost to Reconstruct/Replace \$:

(No Response)

70e. Comments:

(No Response)

Floor Finishes

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Interior Spaces

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71. Carpet

- ☒ Yes
☐ No

71a. Where located (check all that apply):

- ☐ Instructional Space
☒ Common Area

71b. Condition:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

71c. Year of Last Major Reconstruction/Replacement:

2006

71d. Expected Remaining Useful Life (Years):

5

71e. Cost to Reconstruct/Replace \$:

(No Response)

71f. Comments:

(No Response)

72. Resilient Tiles or Sheet Flooring

- ☒ Yes
☐ No

72a. Where located (check all that apply):

- ☐ Instructional Space
☒ Common Area

72b. Overall condition of resilient tiles or sheet flooring:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

72c. Year of Last Major Reconstruction/Replacement:

2006

72d. Expected Remaining Useful Life (Years):

10

72e. Cost to Reconstruct/Replace \$:

(No Response)

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Interior Spaces

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72f. Comments:

(No Response)

73. Hard Flooring (concrete; ceramic tile; stone; etc)

- ☒ Yes
☐ No

73a. Where located (check all that apply):

- ☐ Instructional Space
☒ Common Area

73b. Overall condition of hard flooring:

- ☒ Excellent
☐ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

73c. Year of Last Major Reconstruction/Replacement:

2006

73d. Expected Remaining Useful Life (Years):

25

73e. Cost to Reconstruct/Replace \$:

(No Response)

73f. Comments:

(No Response)

74. Wood Flooring

- ☐ Yes
☒ No

Ceilings (H)**75. Ceilings (H)**

- ☒ Yes
☐ No

75a. Overall condition of ceilings:

- ☐ Excellent
☒ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

75b. Year of Last Major Reconstruction/Replacement:

2006

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Interior Spaces

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75c. Expected Remaining Useful Life (Years):

15

75d. Cost to Reconstruct/Replace \$:

(No Response)

75e. Comments:

(No Response)

Lockers**76. Lockers**☒ Yes☐ No**76a. Overall condition of lockers:**☒ Excellent☐ Satisfactory☐ Unsatisfactory☐ Non-Functioning☐ Critical Failure**76b. Year of Last Major Reconstruction/Replacement:**

2006

76c. Expected Remaining Useful Life (Years):

15

76d. Cost to Reconstruct/Replace \$:

(No Response)

76e. Comments:

(No Response)

Interior Doors**77. Interior Doors**☒ Yes☐ No**77a. Overall condition of interior door units:**☒ Excellent☐ Satisfactory☐ Unsatisfactory☐ Non-Functioning☐ Critical Failure

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Interior Spaces

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77b. Overall condition of interior door hardware:

- ☐ Excellent
- ☒ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

77c. Year of Last Major Reconstruction/Replacement:

2006

77d. Expected Remaining Useful Life (Years):

15

77e. Cost to Reconstruct/Replace \$:

(No Response)

77f. Comments:

(No Response)

Interior Stairs (S)**78. Interior Stairs (S)**

- ☐ Yes
- ☒ No

Elevator, Lifts and Escalators (H)**79. Elevator, Lift, and Escalators (H)**

- ☐ Yes
- ☒ No

Interior Electrical Distribution (H)**80. Interior Electrical Distribution (H)**

- ☒ Yes
- ☐ No

80a. Interior electrical supply meets current needs:

- ☒ Yes
- ☐ No

80b. Condition of interior electrical distribution:

- ☐ Excellent
- ☒ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

80c. Year of Last Major Reconstruction/Replacement:

2006

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Interior Spaces

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80d. Expected Remaining Useful Life (Years):

20

80e. Cost to Reconstruct/Replace \$:

1000

80f. Comments:

Transformer is not secured to pad was hit by plow, bolt transformer to pad.

Lighting Fixtures**81. Interior Lighting Fixtures**☒ Yes☐ No**81a. Condition of interior lighting fixtures:**☐ Excellent☒ Satisfactory☐ Unsatisfactory☐ Non-Functioning☐ Critical Failure**81b. Year of Last Major Reconstruction/Replacement:**

2012

81c. Expected Remaining Useful Life (Years):

15

81d. Cost to Reconstruct/Replace \$:

(No Response)

81e. Comments:

(No Response)

Communication Systems (H)**82. Communication Systems (H)**☒ Yes☐ No**82a. Communication systems are adequate:**☒ Yes☐ No**82b. Condition of communication systems:**☒ Excellent☐ Satisfactory☐ Unsatisfactory☐ Non-Functioning☐ Critical Failure

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Interior Spaces

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82c. Year of Last Major Reconstruction/Replacement:

2006

82d. Expected Remaining Useful Life (Years):

15

82e. Cost to Replace/Reconstruct \$:

(No Response)

82f. Comments:

(No Response)

Swimming Pool and Swimming Pool Systems

83. Swimming Pool and Swimming Pool Systems

☐ Yes

☒ No

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Plumbing (Excluding HVAC Systems)

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PLUMBING**84. Water Distribution System (H)**

- ☒ Yes
☐ No

84a. Types of pipes (check all that apply):

- ☐ Iron
☐ Galvanized
☒ Copper
☐ Lead
☐ PVC
☐ Other

84b. Overall condition of water distribution system:

- ☒ Excellent
☐ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

84c. Year of Last Major Reconstruction/Replacement:

2006

84d. Expected Remaining Useful Life (Years):

35

84e. Cost to Reconstruct/Replace \$:

(No Response)

84f. Comments:

(No Response)

Plumbing Drainage System (H)**85. Plumbing Drainage System (H)**

- ☒ Yes
☐ No

85a. Types of pipes (check all that apply):

- ☒ Iron
☐ Galvanized
☐ Copper
☐ Lead
☒ PVC
☐ Other

85b. Overall condition of drainage system:

- ☒ Excellent
☐ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

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Plumbing (Excluding HVAC Systems)

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85c. Year of Last Major Reconstruction/Replacement:

2006

85d. Expected Remaining Useful Life (Years):

35

85e. Cost to Reconstruct/Replace \$:

(No Response)

85f. Comments:

(No Response)

Hot Water Heaters (H)**86. Hot Water Heaters (H)**☒ Yes☐ No**86a. Type of fuel (check all that apply):**☐ Oil☒ Natural Gas☐ Electricity☐ Propane☐ Other**86b. Overall condition of hot water heaters:**☐ Excellent☒ Satisfactory☐ Unsatisfactory☐ Non-Functioning☐ Critical Failure**86c. Year of Last Major Reconstruction/Replacement:**

2006

86d. Expected Remaining Useful Life (Years):

10

86e. Cost to Reconstruct/Replace \$:

(No Response)

86f. Comments:

(No Response)

Plumbing Fixtures**87. Plumbing Fixtures**☒ Yes☐ No

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Plumbing (Excluding HVAC Systems)

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87a. Overall condition of plumbing fixtures (including toilets, urinals, lavatories, etc):

- ☒ Excellent
- ☐ Satisfactory
- ☐ Unsatisfactory
- ☐ Non-Functioning
- ☐ Critical Failure

87b. Year of Last Major Reconstruction/Replacement:

2006

87c. Expected Remaining Useful Life (Years):

45

87d. Cost to Reconstruct/Replace \$:

(No Response)

87e. Comments:

(No Response)

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HVAC Systems

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HVAC SYSTEMS**88. HVAC Systems Type****88a. Does this building have a central HVAC system?**

- ☐ Yes
☒ No

Heat Generating Systems (H)**88b.1 Other central HVAC system technology:**

(No Response)

89. Heat Generating Systems (H)

- ☒ Yes
☐ No

89a. Heat generation source (check all that apply):

- ☒ Boiler / Hot Water
☐ Boiler / Steam
☐ Furnace / Forced Air
☐ Unit Ventilation
☐ Geothermal
☐ Biomass
☐ Electric
☐ Other (describe below)

89a.1 Other heat generation source:

(No Response)

89b. Overall condition of heat generating systems:

- ☒ Excellent
☐ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

89c. Year of Last Major Reconstruction/Replacement:

2006

89d. Expected Remaining Useful Life (Years):

25

89e. Cost to Reconstruct/Replace \$:

(No Response)

89f. Comments:

(No Response)

Heating Fuel/Energy Systems (H)

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HVAC Systems

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90. Heating Fuel / Energy Systems (H)

- ☒ Yes
☐ No

90a. Overall condition of heating fuel / energy systems:

- ☒ Excellent
☐ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

90b. Year of Last Major Reconstruction/Replacement:

2006

90c. Expected Remaining Useful Life (Years):

25

90d. Cost to Reconstruct/Replace \$:

(No Response)

90e. Comments:

(No Response)

Cooling/Air Conditioning Generating Systems**91. Cooling / Air-Conditioning Generating Systems**

- ☒ Yes
☐ No

91a. Overall condition of cooling/air-conditioning generating systems:

- ☒ Excellent
☐ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

91b. Year of Last Major Reconstruction/Replacement:

2006

91c. Expected Remaining Useful Life (Years):

15

91d. Cost to Reconstruct/Replace \$:

(No Response)

91e. Comments:

(No Response)

AIR HANDLING AND VENTILATION EQUIPMENT

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HVAC Systems

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92. Air Handling and Ventilation Equipment: Supply Units, Exhaust Units, Relief/Return Units, etc. (H)

- ☒ Yes
☐ No

92a. Overall condition of air handling and ventilation systems:

- ☒ Excellent
☐ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

92b. Year of Last Major Reconstruction/Replacement:

2006

92c. Expected Remaining Useful Life (Years):

20

92d. Cost to Reconstruct/Replace \$:

(No Response)

92e. Comments:

Energy recovery.

Piped Heating and Cooling Distribution Systems**93. Piped Heating and Cooling Distribution Systems: Piping, Pumps, Radiators, Convectors, Traps, Insulation, etc. (H)**

- ☒ Yes
☐ No

93a. Overall condition of piped heating and cooling distribution systems:

- ☒ Excellent
☐ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

93b. Year of Last Major Reconstruction/Replacement:

2006

93c. Expected Remaining Useful Life (Years):

20

93d. Cost to Reconstruct/Replace \$:

(No Response)

93e. Comments:

(No Response)

Ducted Heating and Cooling Distribution Systems

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HVAC Systems

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94. Ducted Heating and Cooling Distribution Systems: Ductwork, Control Dampers, Fire/Smoke Dampers, VAVs, Insulation, etc. (H)

- ☒ Yes
☐ No

94a. Overall condition of ducted heating and cooling distribution systems:

- ☒ Excellent
☐ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

94b. Year of Last Major Reconstruction/Replacement:

2006

94c. Expected Remaining Useful Life (Years):

30

94d. Cost to Reconstruct/Replace \$:

(No Response)

94e. Comments:

(No Response)

HVAC Control Systems**95. HVAC Control Systems (H)**

- ☒ Yes
☐ No

95a. Overall condition of control systems:

- ☒ Excellent
☐ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

95b. Year of Last Major Reconstruction/Replacement:

2006

95c. Expected Remaining Useful Life (Years):

20

95d. Cost to Reconstruct/Replace \$:

(No Response)

95e. Comments:

(No Response)

2015 Building Condition Survey Instrument - 2015 Building Conditions SurveyFire Safety Systems

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Fire Safety Systems**96. Fire Alarm Systems (H)**

- ☒ Yes
☐ No

96a. Overall condition of fire alarm system:

- ☒ Excellent
☐ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

96b. Year of Last Major Reconstruction/Replacement:

2006

96c. Expected Remaining Useful Life (Years):

20

96d. Cost to Reconstruct/Replace \$:

(No Response)

96e. Comments:

(No Response)

Smoke Detection System (H)**97. Smoke Detection Systems (H)**

- ☒ Yes
☐ No

97a. Overall condition of smoke detection systems:

- ☒ Excellent
☐ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

97b. Year of Last Major Reconstruction/Replacement:

2006

97c. Expected Remaining Useful Life (Years):

15

97d. Cost to Reconstruct/Replace \$:

(No Response)

97e. Comments:

(No Response)

Fire Suppression Systems

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Fire Safety Systems

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98. Fire Suppression Systems: Sprinklers, Standpipes, Kitchen Hoods, etc. (H)

- ☐ Yes
☒ No

Emergency/Exit Lighting Systems**99. Emergency / Exit Lighting Systems (H)**

- ☒ Yes
☐ No

99a. Overall condition of emergency / exit lighting systems:

- ☒ Excellent
☐ Satisfactory
☐ Unsatisfactory
☐ Non-Functioning
☐ Critical Failure

99b. Year of Last Major Reconstruction/Replacement:

2006

99c. Expected Remaining Useful Life (Years):

15

99d. Cost to Reconstruct/Replace \$:

(No Response)

99e. Comments;

(No Response)

Emergency/Standby Power Systems**100. Emergency or Standby Power System (H)**

- ☐ Yes
☒ No

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Accessibility

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ACCESSIBILITY**101. Exterior Accessible Route (H)**

People with disabilities should be able to arrive on site, approach the building, and enter as freely as everyone else. At least one route of travel should be safe and accessible for everyone, including people with disabilities. This route must include handicapped parking, curb cuts, ramps, and automatic door operators as necessary to enter the building.

Is there an accessible exterior route as specified above?

☒ Yes☐ No**102. Interior Accessible Route, Access to Goods and Services, and Restroom Facilities (H)**

The layout of the building should allow people with disabilities to obtain materials or services and use the facilities without assistance. This should include access to general purpose and specialized classrooms, public assembly spaces (such as libraries, gymnasiums, auditoriums), nurse's office, main office, and restroom facilities. Services include drinking fountains, telephones, and other amenities.

Is there an accessible interior route as specified above?

☒ Yes☐ No**103. Additional Information on Accessibility**

If the building lacks accessible interior or exterior routes:

103a. Cost of improvements needed to provide accessible exterior and interior routes as specified above \$:

(No Response)

103b. Comments:

(No Response)

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Environment/Comfort/Health

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ENVIRONMENT/COMFORT/HEALTH**104. General Appearance****104a. Overall Rating:**

- ☒ Good
☐ Fair
☐ Poor

104b. Comments:

(No Response)

105. Cleanliness**105a. Overall Rating:**

- ☒ Good
☐ Fair
☐ Poor

105b. Comments:

(No Response)

106. Are there walk off mats; grills in the entryway?

- ☒ Yes
☐ No

106a. If yes: at least 6 feet long?

- ☒ Yes
☐ No

107. Is there noise in classrooms from HVAC units, traffic, etc. that may impact education?

- ☐ Yes
☒ No

108. Lighting Quality:**108a. Types of lighting in general purpose classrooms (check all that apply):**

- ☒ Daylight
☒ Fluorescent-not full spectrum
☒ Fluorescent full spectrum
☐ Incandescent
☐ Other (describe)

108b. Are there blinds in the classroom to prevent glare?

- ☒ Yes
☐ No

108c. Overall Rating:

- ☒ Good
☐ Fair
☐ Poor

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Environment/Comfort/Health

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108d. Comments:

(No Response)

109. Evidence of Vermin

109a. Is there evidence of active infestations of...(check all that apply)?

- ☐ Rodents
- ☐ Wood-boring or Wood-eating Insects
- ☐ Cockroaches
- ☐ Other Vermin
- ☒ None

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Indoor Air Quality

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Indoor Air Quality**110. Mold****110a. Is there visible mold or moldy odors?**

- ☐ Yes
☒ No

110c. Are any surfaces constructed of any of the following materials?

- ☒ Paper-faced or gypsum products
☐ Cellulose products (typically ceiling tiles)

110d. Estimated cost of necessary improvements \$:

(No Response)

110d. Comments:

(No Response)

111. Humidity/Moisture**111a. Overall rating of humidity/moisture condition in building:**

- ☐ Good
☒ Fair
☐ Poor

111b. Are any of the following found in/or around classroom areas (check all that apply)?

- ☐ Active leaks in roof
☐ Active leaks in plumbing
☐ Moisture condensation
☐ Visible stains or water damage
☒ None

111c. Are any of the following found in/or around other areas (check all that apply)?

- ☐ Active leaks in roof
☐ Active leaks in plumbing
☐ Moisture condensation
☒ Visible stains or water damage
☐ None

112. Ventilation: fresh air intake locations, air filters, etc.**112a. Are fresh air intakes near the bus loading, truck delivery, or garbage storage/disposal areas?**

- ☐ Yes
☒ No

112b. Is there accumulated dirt, dust or debris around fresh air intakes?

- ☐ Yes
☒ No

112c. Are fresh air intakes free of blockage?

- ☒ Yes
☐ No

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Indoor Air Quality

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112d. Is accumulated dirt, dust or debris in ductwork?

- ☐ Yes
☒ No

112e. Are dampers functioning as designed?

- ☒ Yes
☐ No

112f. Condition of air filters:

- ☒ Good
☐ Fair
☐ Poor

112g. Outside air is adequate for occupant load:

- ☒ Yes
☐ No

112h. Rating of ventilation/indoor air quality:

- ☒ Good
☐ Fair
☐ Poor

112i. Comments:

Wash bay corrosion.

113. Indoor Air Quality (IAQ) Plan**113a. Does the school district use EPA's Tools for Schools program?**

- ☐ Yes
☒ No

113b. If No, is some other IAQ management plan used?

- ☒ Yes
☐ No

113c. Has the District assigned IAQ responsibilities to a designated individual?

- ☒ Yes
☐ No

113c.1 If Yes, what is their job title?

Health and Safety Officer.

114. Does the school practice IPM?

- ☒ Yes
☐ No

114a. Is vegetation kept one foot away from the building?

- ☒ Yes
☐ No

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Indoor Air Quality

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114b. Are crevices and holes in walls, floors and pavement sealed or eliminated?

- ☒ Yes
☐ No

114c. Is there a certified pesticide applicator on staff?

- ☐ Yes
☒ No

114d. Are pesticides used in the building?

- ☐ Yes
☒ No

114d.1 If Yes, how are they typically applied?

- ☐ Spot treatment
☐ Area wide treatments

114e. Are pesticides used on the grounds?

- ☐ Yes
☒ No

114e.1 If Yes, was an emergency exemption granted by the Board of Education?

- ☐ Yes
☐ No

115. Does the school have a passive radon mitigation system installed (was built with radon resistant features)?

- ☐ Yes
☒ No

115a. Has the facility been tested for the presence of radon?

- ☒ Yes
☐ No

115b. Were any of the results of the test greater than or equal to 4 picocuries per liter (pCi/L)?

- ☐ Yes
☒ No

115c. If Yes, did the school take steps to mitigate the elevated radon levels?

- ☐ Yes, active mitigation system installed
☐ Yes, passive mitigation system made active
☐ Yes, ventilation controls (HVAC) adjusted
☐ Yes, other (describe)
☐ No action taken

115c.1 Describe other actions taken to mitigate elevated radon levels:

(No Response)

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American Red Cross

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American Red Cross Shelter

116. American Red Cross Shelter

☐ Yes

☒ No

Marcellus CSD

KCH Elementary School
High School

Pre-Renovation
Building Survey
May 2016

Prepared For:

SEI Design Group
Albany, NY



Green Environmental Services, LLC

1.0 Introduction

Gheen Environmental Services was retained by SEI Design Group to provide an Asbestos Survey at the Marcellus Central School District.

2.0 Scope of Work

- 2.1 The asbestos testing herein is related to the Marcellus CSD, Project # 15-3019.00 being designed by SEI.
- 2.2 The scope of work included a limited pre-renovation survey for asbestos-containing building materials in general conformance with Code Rule 56.
- 2.3 The scope of work included a survey for the presence of asbestos containing building materials in general conformance with the Asbestos Hazard Emergency Response Act (AHERA) 40 CFR 763.
- 2.4 The scope of the survey included buildings or portions thereof: Marcellus Central School District.

3.0 Executive Summary

Gheen Environmental Services performed field work at the Marcellus Central School District on 8/18/2015, 8/19/2015, 8/20/2015, 8/26/2015, 3/14/2016, 3/15/2016, 4/4/2016, and 4/6/2016. All asbestos survey work was performed by Stephen R. Gheen (Certificate Number 88-05471), Sandra L. Gheen (Certificate Number 11-02272), and Timothy Thomas (Certificate Number 06-17988).

MATERIALS TESTED AS PART OF THIS SURVEY:

High School

1964 Vintage

- Ceiling Tile - 1x1 Fissure
- Ceiling Tile - 1x1 Fissured - Mastic
- Ceiling Tile - 1x1 Pin/Fissure
- Ceiling Tile - 1x1 Pin/Fissure - Mastic
- Ceiling Tile - 1x1 Stellar
- Ceiling Tile - 1x1 Stellar - Mastic
- Ceiling Tile - 2x2 Pin/Fissure
- Ceiling Tile - Tectum



- Stucco Finish on Ceiling- Gheen Engineering 2009
- Sand Plaster - Surface Coat
- Sand Plaster - Brown Coat
- Smooth Plaster - Surface Coat
- Smooth Plaster - Brown Coat
- Sheet Rock Backer Board
- Wall Paper
- Wall Patch - Gheen Engineering 2009
- Ceramic Wall Tile – 4x6 Base- Gheen Engineering 2009
- Ceramic Wall Tile – 4x6 – Thinset- Gheen Engineering 2009
- Ceramic Wall Tile- 4 X 4- Grout - Gheen Engineering 2009
- Ceramic Wall Tile-4 X4 -Mastic - Gheen Engineering 2009
- Chalk Board Mastic
- Floor Tile - 12x12 White Streaked- Gheen Engineering 2009
- Floor Tile Mastic - 12x12- Gheen Engineering 2009
- Floor Tile - 9x9 Light Brown- Gheen Engineering 2009
- Floor Tile - 9x9 Mastic
- Linoleum - Grey
- Linoleum – Grey -Mastic
- Linoleum - Tan
- Quarry Tile - Grout
- Quarry Tile - Thinset
- Ceramic Floor Tile – Grout
- Ceramic Floor Tile
- Slate Floor - Grout
- Slate Floor - Thickset
- Terrazzo
- Cove Base - 4" Black
- Cove Base - 4" Brown
- Cove Base - 4" Tan
- Cove Base 4"- Mastic
- Cove Base - 4" Mudd
- Cove Base 4" Mudd- Mastic
- Lab Table Top



- Lab Table Top - Mastic/Sealer
- Hood Lining
- Sink Undercoat - Black
- Sink Undercoat - Lavender
- Sink Undercoat - White
- Door Caulk
- Door Glazing Compound
- Interior Door Light Glazing Compound
- Window Glazing Compound Above Door
- Boiler Gasket
- Breeching Insulation
- Duct Pin Mastic
- Vibration Isolation Cloth

1969 Vintage

- Ceiling Tile - 1x1 Fissured
- Ceiling Tile Mastic - 1x1
- Ceiling Tile - 1x1 Pin/Fissure
- Ceiling Tile - 1x1 Pin/Fissure - Mastic
- Stucco Finish on Ceiling
- Sand Plaster -Surface Coat
- Sand Plaster - Brown Coat
- Smooth Plaster - Surface Coat
- Smooth Plaster - Brown Coat
- Sheet Rock Backer Board
- Ceramic Wall Tile – 4x6 - Grout
- Ceramic Wall Tile – 4x6 - Thinset
- Ceramic Wall Tile - Grout
- Ceramic Wall Tile - Thinset
- Chalk Board Mastic
- 12x12 Green/Gray Floor Tile-collected by Barton & Loguidice P.C.
- Older 12x12 Floor Tile Mastic
- Terrazzo
- Cove Base - 4" Black
- Cove Base - Mastic



- Lab Table Top
- Lab Table Top - Mastic/Sealer
- Interior Door Light Glazing Compound
- Sill Caulk
- Unit Ventilator Louver Caulk
- Window Caulk
- Tar on Fiberglass Fitting Insulation

1977 Vintage

- Ceiling Tile - 2x2 Tegular
- Sheet Rock
- Taping Compound
- Ceramic Wall Tile - Grout
- Ceramic Wall Tile - Mastic
- Floor Tile - 12x12 Tan/Brown Specks
- Floor Tile - 12x12 Mastic
- Cove Base - 4" Brown
- Cove Base - Mastic
- Fitting Insulation
- Vermiculite

1989 Vintage

- Door Caulk
- Window Glazing Sealant
- Window/Door Caulk

Common Vintage

- Ceiling Tile - 2x2 Pin
- Ceiling Tile - 2x4 Pin
- Floor Tile - 12x12 White-Red/Green Flecks
- Floor Tile - 12x12 Mastic
- Carpet Mastic

Connect Addition Vintage

- Ceiling Tile – 2x2 Tegular Squares



Renovation Vintage

- Sheet Rock
- Taping Compound
- Floor Tile – 12x12 Beige Mottled
- Floor Tile - 12x12 Cream Mottled
- Floor Tile - 12x12 White-Red/Green Flecks
- Floor tile - 12x12 - Mastic
- Cove Base - 4" Tan
- Cove Base - Mastic

KC Hefernan Elementary School

1953 Vintage

- Ceiling Tile - 1x1 Even Perforations
- Ceiling Tile Mastic- Gheen Engineering 2009
- Sand Plaster – Surface Coat- Gheen Engineering 2009
- Sand Plaster - Brown coat- Gheen Engineering 2009
- Smooth Plaster – Surface Coat- Gheen Engineering 2009
- Smooth Plaster - Brown coat- Gheen Engineering 2009
- Sheet Rock Backer Board- Gheen Engineering 2009
- Ceramic Wall Tile – White – Grout - Barton & Loguidice
- Ceramic Wall Tile – White – Thinset- Barton & Loguidice
- Cork Board Mastic- Barton & Loguidice
- Casework Laminate Top
- Casework Laminate Top – Mastic
- Linoleum – Gray – ECMC - 2008
- Floor Tile – 9x9- Black Mastic – Barton & Loguidice
- Terrazzo- Gheen Engineering 2009
- Unit Ventilator Caulk - Barton & Loguidice
- Vapor Barrier (Roofing) -At new addition connection – Gheen Engineering 2009
- Built Up Roof Felts- At new addition connection – Gheen Engineering 2009
- Perlite- At new addition connection – Gheen Engineering 2009
- Mastic On Vent Pipe- At new addition connection – Gheen Engineering 2009
- Perimeter Roof Flashing - Barton & Loguidice
- Floor Tile – Previous Testing
- Floor Tile Mastic – Previous Testing



1964 Vintage

- Ceiling Tile - 1x1 Fissured
- Ceiling Tile Mastic- Gheen Engineering 2009
- Sheet Rock Backer Board- Gheen Engineering 2009
- Terrazzo- Gheen Engineering 2009
- Black Floor Tile Mastic – Gheen Engineering 2009
- Window Sill/Unit Ventilator Caulk – Gheen Engineering 2009
- Black Duct Insulation - Insulation Layer
- Black Duct Insulation - Paper Layer
- Black Duct Insulation Seam Mastic
- Black Pipe Fitting Wrap

1968 Vintage

- Black Pipe Fitting Wrap

Common Vintage

- 2x2 Ceiling Tile - Tegular Acoustic
- 2x2 Ceiling Tile - Tegular Rough
- 2x2 Ceiling Tile - Divided Tegular Fissured
- Boiler Jacket Insulation
- Boiler Section Insulation

1989 (aka Renovation Vintage)

- 2x4 Ceiling Tile - Plain Pin/Fissure
- 2x4 Ceiling Tile - Tegular Pin/Puncture
- Sheetrock
- Taping Compound
- Black Foam Block Insulation
- Black Foam Block Mastic
- Black Foam Block Tar Paper

IDENTIFIED ASBESTOS CONTAINING MATERIALS:

High School

1964 Vintage

- Linoleum – Tan
- Floor Tile – 9x9 Light Brown
- Cove Base 4” Black– Mastic
- Sink Undercoat – Lavender
- Sink Undercoat – Black
- Lab Table Top
- Chalk Board Mastic
- Interior Door Light Glazing Compound
- Mudded Fitting Insulation
- Asphalt Fitting Insulation (Tar on Fiberglass Fitting Insulation)
- Fitting Insulation Debris in Crawlspac

1969 Vintage

- 12x12 Green/Gray Floor Tile
- 12x12 Tan Floor Tile
- Chalk Board Mastic
- Lab Table Top – Mastic/Sealer
- Asphalt Fitting Insulation (Tar on Fiberglass Fitting Insulation)
- Mudded Fitting Insulation
- Fitting Insulation Debris in Crawlspac

1977 Vintage

- Floor Tile – 12x12 Tan/Brown Specks
- Vermiculite

1989 Vintage

- Window Glazing Sealant

KC Hefernan Elementary School

1953 Vintage

- Unit Ventilator Caulk
- Vapor Barrier- (Roofing) – At new addition connection
- Perimeter roof flashing – At new addition connection
- Floor Tile
- Floor Tile Mastic

1964 Vintage

- Window Sill/Unit Ventilator Caulk
- Black Duct Insulation Seam Mastic
- Asphalt Fitting Insulation (Black Pipe Fitting Wrap)

4.0 Building Owner Actions Required By Regulation

4.1 Report Distribution

- 4.1.1 A copy of this report must be submitted to the local government entity charged with issuing a permit for demolition, renovation, remodeling or repair work under applicable State or local laws.
- 4.1.2 A copy of this report must be submitted to the New York State Department of Labor's Asbestos Control Bureau district office for projects where demolition of the building or portion of the building is scheduled.
- 4.1.3 A copy of this report must be kept at the construction site with the asbestos notification and variance, if required, throughout the duration of the asbestos project and any demolition, renovation, remodeling or repair project.
- 4.1.4 A copy of this report must be maintained as part of the District's asbestos management plan, both in the administrative offices and in each facility.

5.0 OSHA Requirements for Materials Containing 1% or less Asbestos

- 5.1 Materials which have been identified to contain 1% or less asbestos are not considered to be "Asbestos Containing Materials" per state and federal regulations. As such federal and state asbestos regulations generally do not apply.



- 5.2 The OSHA Construction Standard for Asbestos 29 CFR 1926.1101 regulates asbestos for materials which contain 1% or less asbestos. While much of the standard does not apply to materials containing 1% or less asbestos, there are provisions, generally for employers of employees working with asbestos relating to exposure monitoring and work methods.
- 5.3 For additional information refer to 29 CFR 1926.1101 and OSHA guidance documents readily available at the OSHA website www.osha.gov. Such guidance includes, but is not limited to, a letter to Kurt Varga, Ph.D., dated November 24, 2003.

IDENTIFIED MATERIALS CONTAINING \leq 1%ASBESTOS:

High School

1964 Vintage

- Cove Base Mastic
- Ceramic Floor Tile – Thinset
- Window Glazing Compound Above Door

1969 Vintage

- Ceramic Wall Tile – Thinset
- Cove Base- 4" Mud - Mastic

Common Vintage

- Floor Tile – 12x12 Mastic

KC Hefernan Elementary School

1953 Vintage

- Linoleum – Gray
- Mastic on Vent Pipe – at new addition connection

Renovation Vintage

- Black Foam Block Mastic

6.0 Vermiculite

- 6.1 Vermiculite is a naturally occurring mineral that, when heated, expands and provides a light-weight, fire-resistant material that has been used in many products including, but not limited to: spray-applied fireproofing, insulation, and filler material in numerous other products.
- 6.2 One mine, located in Libby Montana, was responsible for approximately 70% of all vermiculite sold in the US from 1919-1990. Within the deposit of vermiculite mined in Libby were asbestos minerals, thus contaminating the Libby vermiculite.
- 6.3 Current testing procedures and protocols are limited in their ability to identify the correct amount of asbestos present within materials that contain vermiculite. NYSDOH currently provides guidelines for interpreting the limitations in their approved testing methods. Understanding the disclaimer on the laboratory's analyses is important and should be assessed separately for each of the materials identified to contain vermiculite. Per the DOH 2012 guidance documents:
- If material is attic fill, block fill or other loose bulk vermiculite materials, it must be designated and treated as ACM. No approved analytical method currently exists to reliably confirm such vermiculite material as non-ACM.*
 - If material is thermal systems insulation (TSI), surfacing material, or other PACM or suspected miscellaneous ACM, determine vermiculite content using Item 198.1 – stratified point counting (all four cover slips). Such material includes, but is not limited to: existing or new surfacing material, plaster, pipe lagging, and sprayed-on fireproofing.*
 - If [analysis] indicates that the material contains 10% vermiculite or less, [report as ACM/Non-ACM based solely on actual asbestos content].¹*
 - If [analysis] indicates that the material contains greater than 10% vermiculite, [report as ACM/Non-ACM based solely on actual asbestos content and add] the following disclaimer: "This method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite."*
- 6.4 The DOH issued a new analytical method for analysis of Sprayed-On Fireproofing containing Vermiculite on August 11, 2014. As of October 31, 2014 sampling and analysis of Sprayed-On Fireproofing containing Vermiculite must be analyzed by this new method, which will provide results without the disclaimer above.
- 6.5 State and federal regulations do not require that material containing $\leq 10\%$ vermiculite and $\leq 1\%$ asbestos be considered an asbestos containing material,

¹ NYSDOH explains that because vermiculite's asbestos contamination typically ranges from 1% to 5%, vermiculite's contribution to asbestos content of vermiculite materials used for thermal systems insulation, surfacing materials and other miscellaneous ACM (e.g., pipe lagging, sprayed-on fireproofing) may be assumed to be less than 1% if the vermiculite constitutes less than 10% of the total material.

however, at some point DOH is likely to issue a new analytical method similar to what they have done for sprayed-on fireproofing. Depending on the specific results and planned renovation work, building owners may wish to require additional precautions for the handling of the vermiculite containing material.

- 6.6 It is recommended to review each material, other than sprayed-on fireproofing, where vermiculite is indicated, assessing the identified content of both asbestos and vermiculite, which could mask additional asbestos content, and determining an appropriate action for individual materials with vermiculite content, as the response may differ based on vermiculite and asbestos content.

7.0 Asbestos Survey Results

7.1 Methodology

Survey work was performed in general accordance with the USEPA AHERA regulation 40 CFR 763, but was limited in scope to areas and materials that were accessible. In general, the survey did not include destructive testing to determine if suspect materials exist behind fixed construction. In order to prove a homogenous material is non-asbestos a minimum number of samples must be collected. For surfacing materials a minimum of 3, 5, or 7 samples must be collected, depending upon the amount of material present. For thermal system materials a minimum of 3 samples must be collected. For miscellaneous materials a minimum of 2 samples must be collected.

7.2 Interpretation of Results

Federal and state regulations consider materials to be asbestos containing if a sample is determined to have greater than 1% asbestos by weight. Materials are determined to be homogenous based on when the material was installed, purpose, color and texture. Where one sample of a homogenous material is determined to have more than 1% asbestos, the entire homogenous material is considered to be asbestos containing. Unless refuted by appropriate sampling suspect asbestos containing materials must be presumed to be asbestos containing and treated appropriately, that is only disturbed by certified workers, employed by a licensed contractor, using appropriate work methods.

8.0 Assumptions and Limitations

- 8.1 This report is intended only for the above project. The asbestos project designer must review this limited survey report, perform onsite observations and supplement



the survey work and sampling as necessary to fully determine the necessary abatement work.

- 8.2 This survey work is intended to address accessible suspect asbestos containing materials throughout the building and not intended to cover any materials that may be concealed within or behind existing construction.
- 8.3 The identified amounts and locations of ACM are based on areas available and accessible for inspection and assessment during the site visit(s). Areas may not be available or accessible due to being locked, having stored materials blocking access, occupancy, or cleaning (e.g. floor waxing). If ACM or suspect ACM is encountered in areas where it was not previously identified, work must stop until it can be determined if in fact the material is ACM.
- 8.4 Conditions are as of the date of inspection.
- 8.5 New York State Industrial Code Rule 56, New York State Department of Labor's asbestos regulation, requires that an asbestos survey be performed for each renovation or demolition project. Refer to *NYSDOL's Guidance Document on Amended Industrial Code Rule 56 (ASBESTOS)*, released 1/30/09 for their interpretation.
- 8.6 This document is not intended to be used as an asbestos abatement design document. Identified amounts and locations of asbestos containing materials are estimates and must be verified by the asbestos contractor(s) prior to submitting a proposal.
- 8.7 If this document is reproduced or transmitted, it must be reproduced or transmitted in its entirety.
- 8.8 Any use of this document outside the stated purpose is at user's sole risk and liability.
- 8.9 Gheen Environmental Services is not responsible for misinterpretation of this report. In the event that questions arise, contact Gheen Environmental Services.

9.0 **Appendices**

Appendix A - Asbestos Bulk Sample Results Summary

Appendix B - Identified Asbestos Containing Materials Summary



Appendix C - Sample Location & Asbestos Location Drawings

Appendix D - Laboratory Bulk Sample Analysis

Appendix E - Certifications

Appendix A

Asbestos Bulk Sample

Results Summary

High School

Table 1.1 - Asbestos Bulk Sample Results Summary

SAMPLE NUMBER	RESULTS	MATERIAL	LOCATION	VINTAGE
81815H- 1	NAD	Ceiling Tile - 1x1 Pin/Fissure	Corridor Outside Art Room	1969
81815H- 2	NAD	Ceiling Tile - 1x1 Pin/Fissure - Mastic	Corridor Outside Art Room	1969
81815H- 3	NAD	Sheet Rock Backer Board	Corridor Outside Art Room	1969
81815H- 4	NAD	Ceiling Tile - 2x4 Pin	Classroom 301	Common
81815H- 5	NAD	Sand Plaster - Surface Coat	Classroom 301	1969
81815H- 6	NAD	Sand Plaster - Brown Coat	Classroom 301	1969
81815H- 7	NAD	Floor Tile - 12x12 Beige Mottled	Office 300	Renov.
81815H- 8	NAD	Carpet Mastic	Office 300	Common
81815H- 9	NAD	Sand Plaster - Surface Coat	Office 300	1969
81815H- 10	NAD	Sand Plaster - Brown Coat	Office 300	1969
81815H- 11	NAD	Sheet Rock	Classroom 302	Renov.
81815H- 12	NAD	Taping Compound	Classroom 302	Renov.
81815H- 13	NAD	Cove Base - 4" Tan	Classroom 302	Renov.
81815H- 14	NAD	Cove Base - Mastic	Classroom 302	Renov.
81815H- 15	NAD	Older 12x12 Floor Tile Mastic	Classroom 305	1969
81815H- 16	NAD	Cove Base - 4" Black	Classroom 305	1969
81815H- 17	NAD	Cove Base - Mastic	Classroom 305	1969
81815H- 18	1.80%	Lab Table Top - Mastic/Sealer	Classroom 305	1969
81815H- 19	NAD	Sand Plaster - Surface Coat	Classroom 305	1969
81815H- 20	NAD	Sand Plaster - Brown Coat	Classroom 305	1969
81815H- 21	NAD	Cove Base - 4" Black	Classroom 309	1969
81815H- 22	<1.0%	Cove Base - Mastic	Classroom 309	1969
81815H- 23	NAD	Lab Table Top	Classroom 309	1969
81815H- 24	2.00%	Lab Table Top - Mastic/Sealer	Classroom 309	1969
81815H- 25	NAD	Sand Plaster - Surface Coat	Storage Between 305&307	1969
81815H- 26	NAD	Sand Plaster - Brown Coat	Storage Between 305&307	1969
81815H- 27	NAD	Sand Plaster - Surface Coat	Storage Between 309&311	1969
81815H- 28	NAD	Sand Plaster - Brown Coat	Storage Between 309&311	1969
81815H- 29	<1.0%	Ceramic Wall Tile - Thinset	Corridor Next to Faculty Toilet Room	1969
81815H- 30	NAD	Sheet Rock	Classroom 308	Renov.
81815H- 31	NAD	Taping Compound	Classroom 308	Renov.
81815H- 32	NAD	Cove Base - 4" Tan	Classroom 308	Renov.
81815H- 33	NAD	Cove Base - Mastic	Classroom 308	Renov.
81815H- 34	NAD	Floor Tile - 12x12 Cream Mottled	Classroom 308	Renov.
81815H- 35	NAD	Floor tile - 12x12 Mastic	Classroom 308	Renov.
81815H- 36	NAD	Smooth Plaster - Surface Coat	Faculty Toilet Room	1969
81815H- 37	NAD	Smooth Plaster - Brown Coat	Faculty Toilet Room	1969
81815H- 38	NAD	Ceiling Tile - 2x4 Pin	Girls Toilet Room 311B	Common
81815H- 39	NAD	Sand Plaster - Surface Coat	Storage Room Next to Classroom 313	1969
81815H- 40	NAD	Sand Plaster - Brown Coat	Storage Room Next to Classroom 313	1969

NOTE:

NAD =	No Asbestos Detected
> 1% =	Materials with more than 1% asbestos are considered to be ACM (Asbestos Containing Material) and are regulated under state and federal regulations
1% or less =	Not considered to be a ACM (Asbestos Containing Material)

High School

Table 1.1 - Asbestos Bulk Sample Results Summary - (cont.)

SAMPLE NUMBER	RESULTS	MATERIAL	LOCATION	VINTAGE
81815H- 41	NAD	Ceramic Wall Tile - Thinset	Corridor Next to Classroom 313	1969
81815H- 42	NAD	Floor Tile - 12x12 Cream Mottled	Classroom 316	Renov.
81815H- 43	NAD	Ceiling Tile - 1x1 Pin/Fissure	Corridor Outside Classroom 316	1969
81815H- 44	NAD	Sand Plaster - Surface Coat	Classroom 317	1969
81815H- 45	NAD	Sand Plaster - Brown Coat	Classroom 317	1969
81815H- 46	NAD	Floor Tile - 12x12 White-Red/Green Flecks	Classroom 320	Renov.
81815H- 47	NAD	Floor tile - 12x12 - Mastic	Classroom 320	Renov.
81815H- 48	NAD	Terazzo	Corridor Next to Classroom 320	1969
81815H- 49	NAD	Linoleum - Grey	LGI	1964
81815H- 50	NAD	Linoleum - Mastic	LGI	1964
81815H- 51	NAD	Sand Plaster - Surface Coat	LGI	1964
81815H- 52	NAD	Sand Plaster - Brown Coat	LGI	1964
81815H- 53	NAD	Linoleum - Grey	LGI	1964
81815H- 54	NAD	Linoleum - Mastic	LGI	1964
81815H- 55	NAD	Carpet Mastic	LGI	Common
81815H- 56	NAD	Wall Paper	LGI	1964
81815H- 57	NAD	Wall Paper	LGI	1964
81815H- 58	NAD	Ceiling Tile - 1x1 Pin/Fissure	LGI	1964
81815H- 59	11.2%	Linoleum - Tan	Music Room	1964
81815H- 60	26%	Linoleum Tan	Music Room	1964
81815H- 61	NAD	Cove Base - 4" Mudd	Music Room Kitchen	1964
81815H- 62	NAD	Cove Base - Mastic	Music Room Kitchen	1964
81815H- 63	NAD	Floor Tile - 9x9 Mastic	Music Room Kitchen	1964
81815H- 64	NAD	Ceiling Tile - 1x1 Fissured	Corridor Next to Music Room	1964
81815H- 65	NAD	Ceiling Tile - 1x1 Fissured - Mastic	Corridor Next to Music Room	1964
81815H- 66	NAD	Sheet Rock Backer Board	Corridor Next to Music Room	1964
81915H- 1	NAD	Ceiling Tile - Tectum	Boys Locker Room	1964
81915H- 2	NAD	Ceramic Floor Tile - Grout	Boys Locker Room	1964
81915H- 3	NAD	Ceramic Floor Tile - Thinset	Boys Locker Room	1964
81915H- 4	NAD	Quarry Tile - Grout	Boys Locker Room	1964
81915H- 5	NAD	Quarry Tile - Thinset	Boys Locker Room	1964
81915H- 6	9.50%	Sink Undercoat - Lavender	Kitchen Music Room	1964
81915H- 7	NAD	Sand Plaster - Surface Coat	District Athletic Offices Storage Room	1964
81915H- 8	NAD	Sand Plaster - Brown Coat	District Athletic Offices Storage Room	1964
81915H- 9	NAD	Ceiling Tile - 1x1 Stellar	District Athletic Offices Storage Room	1964
81915H- 10	NAD	Ceiling Tile - 1x1 Stellar - Mastic	District Athletic Offices Storage Room	1964
81915H- 11	NAD	Sheet Rock Backer Board	District Athletic Offices Storage Room	1964
81915H- 12	NAD	Cove Base - 4" Mudd	District Athletic Offices Storage Room	1964
81915H- 13	<1.0%	Cove Base - Mastic	District Athletic Offices Storage Room	1964
81915H- 14	NAD	Sand Plaster - Surface Coat	Classroom 213	1964

NOTE: NAD = No Asbestos Detected
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 1% or less = Not considered to be a ACM (Asbestos Containing Material)

High School

Table 1.1 - Asbestos Bulk Sample Results Summary - (cont.)

SAMPLE NUMBER	RESULTS	MATERIAL	LOCATION	VINTAGE
81915H- 15	NAD	Sand Plaster - Brown Coat	Classroom 213	1964
81915H- 16	NAD	Floor Tile - 12x12 White-Red/Green Flecks	Classroom 211	Common
81915H- 17	<1.0%	Floor Tile - 12x12 Mastic	Classroom 211	Common
81915H- 18	NAD	Smooth Plaster - Surface Coat	Girls Toilet Room 2nd Floor	1964
81915H- 19	NAD	Smooth Plaster - Brown Coat	Girls Toilet Room 2nd Floor	1964
81915H- 20	NAD	Cove Base - 4" Black	Classroom 209	1964
81915H- 21	2.4%	Cove Base - Mastic	Classroom 209	1964
81915H- 22	NAD	Lab Table Top - Mastic/Sealer	Classroom 207	1964
81915H- 23	NAD	Sand Plaster - Surface Coat	Classroom 207	1964
81915H- 24	NAD	Sand Plaster - Brown Coat	Classroom 207	1964
81915H- 25	NAD	Lab Table Top	Classroom 207	1964
81915H- 26	NAD	Hood Lining	Classroom 207	1964
81915H- 27	NAD	Hood Lining	Classroom 207	1964
81915H- 28	NAD	Cove Base - 4" Black	Storage Room Between 205&207	1964
81915H- 29	<1.0%	Cove Base - Mastic	Storage Room Between 205&207	1964
81915H- 30	NAD	Lab Table Top	Storage Room Between 205&207	1964
81915H- 31	NAD	Lab Table Top - Mastic/Sealer	Storage Room Between 205&207	1964
81915H- 32	NAD	Ceiling Tile - 1x1 Stellar	Storage Room Between 205&207	1964
81915H- 33	NAD	Ceiling Tile - 1x1 Stellar - Mastic	Storage Room Between 205&207	1964
81915H- 34	NAD	Sheet Rock Backer Board	Storage Room Between 205&207	1964
81915H- 35	2.20%	Interior Door Light Glazing Compound	Classroom 204	1964
81915H- 36	NAD	Smooth Plaster - Layered	Teachers Toilet Room 2nd Floor	1964
81915H- 37	NAD	Ceramic Floor Tile - Grout	Teachers Toilet Room 2nd Floor	1964
81915H- 38	<1.0%	Ceramic Floor Tile - Thinset	Teachers Toilet Room 2nd Floor	1964
81915H- 39	NAD	Sand Plaster - Layered	Storage Next to Classroom 210	1964
81915H- 40	3.20%	Interior Door Light Glazing Compound	Classroom 209	1964
81915H- 41	NAD	Ceiling Tile - 2x2 Tegular Squares	Stock	Connect Add
81915H- 42	NAD	Ceiling Tile - 2x2 Tegular Squares	Stock	Connect Add
81915H- 43	NAD	Interior Door Light Glazing Compound	Classroom 301	1969
81915H- 44	17.80%	Tar on Fiberglass Fitting Insulation	Crawlspace	1969
81915H- 45	6.90%	Tar on Fiberglass Fitting Insulation	Crawlspace	1969
81915H- 46	NAD	Interior Door Light Glazing Compound	Classroom 315	1969
81915H- 47	NAD	Duct Pin Mastic	Crawlspace	1964
82015H- 1	11.10%	Sink Undercoat - Lavender	Library Kitchen	1964
82015H- 2	NAD	Ceiling Tile - 1x1 Pin/Fissure - Mastic	Room 101	1964
82015H- 3	NAD	Ceiling Tile - 1x1 Pin/Fissure	Room 101	1964
82015H- 4	NAD	Sheet Rock Backer Board	Room 101	1964
82015H- 5	12.30%	Sink Undercoat - Black	Room 103	1964
82015H- 6	NAD	Cove Base - 4" Tan	Room 103	1964
82015H- 7	NAD	Cove Base Mastic	Room 103	1964

NOTE:

NAD =	No Asbestos Detected
> 1% =	Materials with more than 1% asbestos are considered to be ACM (Asbestos Containing Material) and are regulated under state and federal regulations
1% or less =	Not considered to be a ACM (Asbestos Containing Material)

High School

Table 1.1 - Asbestos Bulk Sample Results Summary - (cont.)

SAMPLE NUMBER	RESULTS	MATERIAL	LOCATION	VINTAGE
82015H- 8	NAD	Cove Base - 4" Black	Library Kitchen	1964
82015H- 9	NAD	Cove Base Mastic	Library Kitchen	1964
82015H- 10	NAD	Cove Base - 4" Tan	Room 107	1964
82015H- 11	1.60%	Floor Tile - 12x12 Tan/Brown Specks	Mens Toilet Room next to Auditorium	1977
82015H- 12	NAD	Floor Tile - 12x12 Mastic	Mens Toilet Room next to Auditorium	1977
82015H- 13	NAD	Cove Base - 4" Brown	Mens Toilet Room next to Auditorium	1977
82015H- 14	NAD	Cove Base - Mastic	Mens Toilet Room next to Auditorium	1977
82015H- 15	<1.0%	Floor Tile - 12x12 Tan/Brown Specks	Ladies Toilet Room next to Auditorium	1977
82015H- 16	NAD	Floor Tile - 12x12 Mastic	Ladies Toilet Room next to Auditorium	1977
82015H- 17	NAD	Cove Base - 4" Brown	Ladies Toilet Room next to Auditorium	1977
82015H- 18	NAD	Cove Base - Mastic	Ladies Toilet Room next to Auditorium	1977
82015H- 19	NAD	Ceramic Wall Tile - Grout	Mens Toilet Room next to Auditorium	1977
82015H- 20	NAD	Ceramic Wall Tile - Mastic	Mens Toilet Room next to Auditorium	1977
82015H- 21	NAD	Sheet Rock	Mens Toilet Room next to Auditorium	1977
82015H- 22	NAD	Taping Compound	Mens Toilet Room next to Auditorium	1977
82015H- 23	NAD	Ceramic Wall Tile - Grout	Ladies Toilet Room next to Auditorium	1977
82015H- 24	NAD	Ceramic Wall Tile - Mastic	Ladies Toilet Room next to Auditorium	1977
82015H- 25	NAD	Sheet Rock	Ladies Toilet Room next to Auditorium	1977
82015H- 26	NAD	Taping Compound	Ladies Toilet Room next to Auditorium	1977
82015H- 27	NAD	Fitting Insulation	Storage Room next to Stage	1977
82015H- 28	NAD	Ceiling Tile - 2x2 Pin	Room 106	Common
82015H- 29	NAD	Ceiling Tile - 2x2 Pin	Room 104	Common
82015H- 30	NAD	Sink Undercoat - White	Nurses Suite	1964
82015H- 31	NAD	Cove Base - 4" Brown	Life Skills	1964
82015H- 32	NAD	Ceiling Tile - 1x1 Fissure	Corridor Next to Life Skills	1964
82015H- 33	NAD	Cove Base - 4" Brown	Art	1964
82015H- 34	23.50%	Lab Table Top	Art	1964
82015H- 35	19.00%	Lab Table Top	Art	1964
82015H- 36	NAD	Boiler Gasket	Boiler Room - Boiler #1	1964
82015H- 37	NAD	Breeching Insulation	Boiler Room - Boiler #1	1964
82015H- 38	NAD	Breeching Insulation	Boiler Room - Boiler #2	1964
82015H- 39	NAD	Breeching Insulation	Boiler Room - Boiler #3	1964
82015H- 40	NAD	Boiler Gasket	Boiler Room - Boiler #3	1964
82015H- 41	NAD	Quarry Tile - Grout	Girls Locker Room	1964
82015H- 42	NAD	Quarry Tile - Thinset	Girls Locker Room	1964
82015H- 43	NAD	Ceiling Tile - 2x2 Pin/Fissure	LGI	1964
82015H- 44	NAD	Ceiling Tile - 2x2 Pin/Fissure	LGI	1964
82015H- 45	NAD	Ceiling Tile - 1x1 Pin/Fissure	LGI	1964
82015H- 46	NAD	Ceiling Tile - 1x1 Pin/Fissure - Mastic	LGI	1964
82615H- 1	4.00%	Chalk Board Mastic	Room 204	1964

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 1% or less = Not considered to be a ACM (Asbestos Containing Material)

High School

Table 1.1 - Asbestos Bulk Sample Results Summary - (cont.)

SAMPLE NUMBER	RESULTS	MATERIAL	LOCATION	VINTAGE
82615H- 2	4.90%	Chalk Board Mastic	Room 204	1964
82615H- 3	4.90%	Chalk Board Mastic	Room 322	1969
82615H- 4	4.50%	Chalk Board Mastic	Room 322	1969
82615H- 5	NAD	Terazzo	Corridor Next to Room 321	1969
82615H- 6	NAD	Ceramic Wall Tile - Grout	Corridor Next to Room 321	1969
82615H- 7	NAD	Ceramic Wall Tile - Grout	Corridor Next to Room 309	1969
82615H- 8	NAD	Ceiling Tile - Tectum	Entry Between Gym and Weight Room	1964
82615H- 9	NAD	Duct Pin Mastic	Fan Room	1964
82615H- 10	NAD	Vibration Isolation Cloth	Fan Room	1964
82615H- 11	NAD	Vibration Isolation Cloth	Fan Room	1964
82615H- 12	NAD	Terazzo	Corridor Next to Gym	1964
82615H- 13	1.80%	Window Glazing Sealant	Exit Doors	1989
82615H- 14	NAD	Door Caulk	Exit Doors	1989
82615H- 15	1.80%	Window Glazing Sealant	Exit Doors	1989
82615H- 16	NAD	Door Caulk	Exit Doors	1989
82615H- 17	NAD	Ceiling Tile - 2x2 Tegular	Band Office	1977
82615H- 18	NAD	Ceiling Tile - 2x2 Tegular	Corridor Next to Stage Entrance	1977
82615H- 19	ACM *	Vermiculite	Stage	1977
82615H- 20	NAD	Ceiling Tile - 2x2 Pin	Corridor Next to Auditorium	Common
82615H- 21	NAD	Fitting Insulation	Storage Room Next to Stage	1977
4416H- 1	NAD	Unit Ventilator Louver Caulk	Exterior Classroom 303	1969
4416H- 2	NAD	Unit Ventilator Louver Caulk	Exterior Biology 307	1969
4416H- 3	NAD	Window Caulk	Exterior Classroom 317	1969
4416H- 4	NAD	Sill Caulk	Exterior Classroom 317	1969
4416H- 5	NAD	Window Caulk	Exterior Classroom 317	1969
4416H- 6	NAD	Sill Caulk	Exterior Classroom 317	1969
4416H- 7	NAD	Window/Door Caulk	Exterior Music Instrument 160	1989
4416H- 8	NAD	Window/Door Caulk	Exterior Music Instrument 160	1989
4416H- 9	NAD	Door Caulk	Entry Next to LGI 140	1964
4416H- 10	NAD	Door Glazing Compound	Entry Next to LGI 140	1964
4416H- 11	NAD	Door Caulk	Entry Next to 60D	1964
4416H- 12	NAD	Door Glazing Compound	Entry Next to 60D	1964
4416H- 13		VOID		
4416H- 14	<1.0%	Window Glazing Compound Above Door	Entry Next to 60D	1964
4416H- 15	<1.0%	Window Glazing Compound Above Door	Entry Next to LGI 140	1964
4616H- 1	NAD	Slate Floor - Grout	Lobby Next to LGI	1964
4616H- 2	NAD	Slate Floor - Thickset	Lobby Next to LGI	1964
4616H- 3	NAD	Slate Floor - Grout	Lobby Next to Cafeteria	1964
4616H- 4	NAD	Slate Floor - Thickset	Lobby Next to Cafeteria	1964
4616H- 5	NAD	Terazzo	Stairway Next to 106	1964

NOTE:

NAD = No Asbestos Detected

> 1% = Materials with more than 1% asbestos are considered to be ACM (Asbestos Containing Material) and are regulated under state and federal regulations

1% or less = Not considered to be a ACM (Asbestos Containing Material)

* = Vermiculite block fill must be considered to be ACM.

Elementary School

Table 1.2 - Asbestos Bulk Sample Results Summary

SAMPLE NUMBER	RESULTS	MATERIAL	LOCATION	VINTAGE
31416E- 1	NAD	Boiler Jacket Insulation	Boiler Room - Boiler #2	Common
31416E- 2	NAD	Boiler Jacket Insulation	Boiler Room - Boiler #1	Common
31416E- 3	NAD	Boiler Section Insulation	Boiler Room - Boiler #2	Common
31416E- 4	NAD	Boiler Section Insulation	Boiler Room - Boiler #1	Common
31416E- 5	NAD	Black Foam Block Insulation	Crawlspace	Renovation
31416E- 6	<1.0%	Black Foam Block Mastic	Crawlspace	Renovation
31416E- 7	NAD	Black Foam Block Tar Paper	Crawlspace	Renovation
31416E- 8	NAD	Black Foam Block Insulation	Crawlspace	Renovation
31416E- 9	<1.0%	Black Foam Block Mastic	Crawlspace	Renovation
31416E- 10	NAD	Black Foam Block Tar Paper	Crawlspace	Renovation
31416E- 11	NAD	Black Duct Insulation - Paper Layer	Crawlspace	1964
31416E- 12	NAD	Black Duct Insulation - Insulation Layer	Crawlspace	1964
31416E- 13	12%	Black Duct Insulation Seam Mastic	Crawlspace	1964
31416E- 14	8.6%	Black Pipe Fitting Wrap	Crawlspace	1964
31416E- 15	NAD	Black Pipe Fitting Wrap	Crawlspace	1968
31416E- 16	NAD	2x2 Ceiling Tile - Tegular Acoustic	Corridor at Classroom 026	Common
31416E- 17	NAD	2x2 Ceiling Tile - Tegular Rough	Storage 020	Common
31416E- 18	NAD	2x2 Ceiling Tile - Divided Tegular Fissured	Gym Storage 029	Common
31416E- 19	NAD	2x2 Ceiling Tile - Tegular Rough	Boiler Room Stairway	Common
31416E- 20	NAD	2x2 Ceiling Tile - Tegular Rough	Corridor at Classroom 037	Common
31416E- 21	NAD	2x2 Ceiling Tile - Tegular Rough	Corridor at Conference Room	Common
31416E- 22	NAD	2x2 Ceiling Tile - Tegular Acoustic	Corridor at Kitchen	Common
31516E- 23	NAD	1x1 Ceiling Tile - Even Perforation	Classroom 39	1953
31516E- 24	NAD	Casework Laminate Top	Classroom 39	1953
31516E- 25	NAD	Casework Laminate Top Mastic	Classroom 39	1953
31516E- 26	NAD	2x4 Ceiling Tile - Plain Pin/Fissure	Main Office Toilet Room	Renovation
31516E- 27	NAD	2x4 Ceiling Tile - Plain Pin/Fissure	Main Office Toilet Room	Renovation
31516E- 28	NAD	Joint Compound	Main Office Toilet Room	Renovation
31516E- 29	NAD	Sheetrock	Main Office Toilet Room	Renovation
31516E- 30	NAD	Joint Compound	Main Office 056	Renovation
31516E- 31	NAD	Sheetrock	Main Office 056	Renovation
31516E- 32	NAD	2x4 Ceiling Tile - Tegular Pin/Puncture	Nurse's Screening 41B	Renovation
31516E- 33	NAD	2x4 Ceiling Tile - Tegular Pin/Puncture	Office 42A	Renovation
31516E- 34	NAD	Casework Laminate Top	Classroom 47	1953
31516E- 35	NAD	Casework Laminate Top Mastic	Classroom 47	1953
31516E- 36	NAD	1x1 Ceiling Tile - Fissured	Corridor Near Music 116	1964
31516E- 37	NAD	2x2 Ceiling Tile - Divided Tegular Fissured	Gym Storage 029	Common

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Appendix B

Identified Asbestos
Containing Materials Table

Table 2.1 - Identified Asbestos-Containing Materials: High School

Identified Asbestos-Containing Material	Estimated Quantities	Condition
Linoleum - Tan (1964)	1000 s.f.	Good
Lab Table Top (1964)	50 s.f.	Good
Cove Base 4" Black - Mastic (1964)	930 l.f.	Good
Sink Undercoat - Black (1964)	1 Sink	Good
Sink Undercoat - Lavender (1964)	3 Sinks	Good
Chalk/Tack Board Mastic (1964)	3000 s.f.	Non-accessible
Floor Tile - 9x9 (1964)	6,850 s.f.	Fair
Lab Table Top - Mastic/Sealer (1969)	66 Tables, 11 Countertops	Good
Asphalt Fitting Insulation (Tar on Fiberglass Fitting Insulation (1964/1969))	225 Fittings In Crawlspaces Additional Anticipated Within Fixed Walls and Ceilings	Good
Mudded Fitting Insulation Including Incompletely Removed Locations (1964/1969)	650 Fittings in Crawlspaces Additional Anticipated Within Fixed Walls and Ceilings	Poor
Fitting Insulation Debris on Crawlspace Soil (1964/1969)	4,500 s.f.	Significant Damage
Chalk/Tack Board Mastic (1969)	2,500 s.f.	Non-accessible
12x12 Green/Gray Floor Tile (1969)	4,600 s.f.	Fair
12x12 Tan Floor Tile (1969)	250 s.f.	Fair
Floor Tile - 12x12 Tan/Brown Specks (1977)	275 s.f.	Fair
Vermiculite (1977)	Throughout Exterior Walls - 1977 Vintage Contamination Anticipated In Adjacent Fixed Construction	Non-accessible
Window Glazing Sealant (1989)	10 Doors	Fair
Interior Door Light Glazing Compound (1964)	51 Doors	Fair
Vapor Barrier (Presumed ACM)	Unquantified	Non-accessible
Roof Flashing (Previous Survey)	Throughout	Fair

NOTE: Reported amounts and locations are reflective of identified materials within the limited scope of work.
Refer to the scope of work as identified in the report.

Table 2.2 - Identified Asbestos-Containing Materials: KC Hefernan Elementary School

[illegible]

Appendix C

Laboratory Sample Analysis

And Chains of Custody

FAX

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Gheen Engineering, PLLC
Fax #: (315) 362-9583
Email: stephen.gheen@gheeneng.com, sandra.gheen@gheeneng.com

From: Marik Peysakhov
AmeriSci Job #: 215084502
Subject: ELAP-PLM/TEM 5 day Results
Client Project: 15S-031; Marcellus CSD Main; High School

Date: Monday, August 31, 2015**Time:** 11:39:41**Comments:****Number of Pages:**23
(including cover sheet)

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PLM Bulk Asbestos Report

Gheen Engineering, PLLC
Attn: Stephen Gheen
44 Glenridge Road

Whitesboro, NY 13492

Date Received 08/25/15 **AmeriSci Job #** 215084502
Date Examined 08/30/15 **P.O. #**
ELAP # 11480 **Page** 1 **of** 12
RE: 15S-031; Marcellus CSD Main; High School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
81815H-01	215084502-01	No	NAD
Location: Corridor Outside Art Room, 1969 - Ceiling Tile, 1 x 1 Pin/Fissure			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 19.6 %			
81815H-02	215084502-02	No	NAD
Location: Corridor Outside Art Room, 1969 - Ceiling Tile, 1 x 1 Pin/Fissure, Mastic			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Dark Brown, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 33.1 %			
81815H-03	215084502-03	No	NAD
Location: Corridor Outside Art Room, 1969 - Sheetrock Back Board			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: Brown/White, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 35 %, Non-fibrous 65 %			
81815H-04	215084502-04	No	NAD
Location: Classroom 301, Common - Ceiling Tile, 2 x 4 Pin			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 49.3 %			
81815H-05	215084502-05	No	NAD
Location: Classroom 301, 1969 - Sand Plaster, Surface Coat			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			

AmeriSci Job #: **215084502**

Client Name: Gheen Engineering, PLLC

Page 2 of 12

PLM Bulk Asbestos Report

15S-031; Marcellus CSD Main; High School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
81815H-06	215084502-06	No	NAD
Location: Classroom 301, 1969 - Sand Plaster, Brown Coat			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: Brown, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
81815H-07	215084502-07	No	NAD
Location: Office 300, Rennov. - Floor Tile, 12 x 12 Beige Mottled			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: White/Beige, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 39 %			
81815H-08	215084502-08	No	NAD
Location: Office 300, Common - Carpet Mastic			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Green, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 45.2 %			
81815H-09	215084502-09	No	NAD
Location: Office 300, 1969 - Sand Plaster, Surface Coat			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
81815H-10	215084502-10	No	NAD
Location: Office 300, 1969 - Sand Plaster, Brown Coat			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: Brown, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Non-fibrous 100 %			
81815H-11	215084502-11	No	NAD
Location: Classroom 302, Rennov. - Sheetrock			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: Brown/White, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 10 %, Fibrous glass Trace, Non-fibrous 90 %			

AmeriSci Job #: **215084502**

Client Name: Gheen Engineering, PLLC

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PLM Bulk Asbestos Report

15S-031; Marcellus CSD Main; High School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
81815H-12	215084502-12	No	NAD
Location: Classroom 302, Rennov. - Taping Compound			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Non-fibrous 100 %			
81815H-13	215084502-13	No	NAD
Location: Classroom 302, Rennov. - Cove Base, 4" Tan			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Beige, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 20.5 %			
81815H-14	215084502-14	No	NAD
Location: Classroom 302, Rennov. - Cove Base, Mastic			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 30.2 %			
81815H-15	215084502-15	No	NAD
Location: Classroom 305, 1969 - Older 12 x 12 Floor Tile Mastic			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 16.6 %			
81815H-16	215084502-16	No	NAD
Location: Classroom 305, 1969 - Cove Base, 4" Black			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 55.3 %			
81815H-17	215084502-17	No	NAD
Location: Classroom 305, 1969 - Cove Base, Mastic			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 38.1 %			

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Client Name: Gheen Engineering, PLLC

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PLM Bulk Asbestos Report

15S-031; Marcellus CSD Main; High School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
81815H-18	215084502-18	Yes	1.8 % ¹
Location: Classroom 305, 1969 - Lab Table Top, Mastic/Sealer			(EPA 400 PC) by Karol H. Lu on 08/30/15
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 1.8 %			
Other Material: Non-fibrous 36.4 %			
81815H-19	215084502-19	No	NAD
Location: Classroom 305, 1969 - Sand Plaster, Surface Coat			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
81815H-20	215084502-20	No	NAD
Location: Classroom 305, 1969 - Sand Plaster, Brown Coat			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: Brown, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
81815H-21	215084502-21	No	NAD
Location: Classroom 309, 1969 - Cove Base, 4" Black			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 55.9 %			
81815H-22	215084502-22	Yes	Trace (<0.25 % pc) ¹
Location: Classroom 309, 1969 - Cove Base, Mastic			(EPA 400 PC) by Karol H. Lu on 08/30/15
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile <0.25 % pc			
Other Material: Non-fibrous 31.6 %			
81815H-23	215084502-23	No	NAD
Location: Classroom 309, 1969 - Lab Table Top			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: Black/Brown, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			

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Client Name: Gheen Engineering, PLLC

PLM Bulk Asbestos Report

15S-031; Marcellus CSD Main; High School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
81815H-24	215084502-24	Yes	2 % ¹
Location: Classroom 309, 1969 - Lab Table Top, Mastic/Sealer			(EPA 400 PC) by Karol H. Lu on 08/30/15
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 2.0 %			
Other Material: Non-fibrous 48.2 %			
81815H-25	215084502-25	No	NAD
Location: Storage Between 305 & 307, 1969 - Sand Plaster, Surface Coat			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
81815H-26	215084502-26	No	NAD
Location: Storage Between 305 & 307, 1969 - Sand Plaster, Brown Coat			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: Brown, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Non-fibrous 100 %			
81815H-27	215084502-27	No	NAD
Location: Storage Between 309 & 311, 1969 - Sand Plaster, Surface Coat			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
81815H-28	215084502-28	No	NAD
Location: Storage Between 309 & 311, 1969 - Sand Plaster, Brown Coat			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: Brown, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
81815H-29	215084502-29	Yes	0.5 %
Location: Corridor Next To Faculty Toilet Room, 1969 - Ceramic Wall Tile, Thinset			(EPA 400 PC) by Karol H. Lu on 08/30/15
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types: Chrysotile 0.5 %			
Other Material: Non-fibrous 99.5 %			

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Client Name: Gheen Engineering, PLLC

PLM Bulk Asbestos Report

15S-031; Marcellus CSD Main; High School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
81815H-30	215084502-30	No	NAD
Location: Classroom 308, Rennov. - Sheetrock			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: Brown/White, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 20 %, Fibrous glass Trace, Non-fibrous 80 %			
81815H-31	215084502-31	No	NAD
Location: Classroom 308, Rennov. - Taping Compound			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
81815H-32	215084502-32	No	NAD
Location: Classroom 308, Rennov. - Cove Base, 4" Tan			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: OffWhite, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 22.4 %			
81815H-33	215084502-33	No	NAD
Location: Classroom 308, Rennov. - Cove Base, Mastic			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 33.5 %			
81815H-34	215084502-34	No	NAD
Location: Classroom 308, Rennov. - Floor Tile, 12 x 12 Cream Mottled			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: OffWhite, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 34.8 %			
81815H-35	215084502-35	No	NAD
Location: Classroom 308, Rennov. - Floor Tile, 12 x 12 Mastic			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 29.1 %			

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PLM Bulk Asbestos Report

15S-031; Marcellus CSD Main; High School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
81815H-36	215084502-36	No	NAD
Location: Faculty Toilet Room, 1969 - Smooth Plaster, Surface Coat			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
81815H-37	215084502-37	No	NAD
Location: Faculty Toilet Room, 1969 - Smooth Plaster, Brown Coat			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: Brown, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
81815H-38	215084502-38	No	NAD
Location: Girls Toilet Room 311B, Common - Ceiling Tile, 2 x 4 Pin			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 60.8 %			
81815H-39	215084502-39	No	NAD
Location: Storage Room Next To Classroom 313, 1969 - Sand Plaster, Surface Coat			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
81815H-40	215084502-40	No	NAD
Location: Storage Room Next To Classroom 313, 1969 - Sand Plaster, Brown Coat			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: Brown, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
81815H-41	215084502-41	No	NAD
Location: Corridor Next To Classroom 313, 1969 - Ceramic Wall Tile, Thinset			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			

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PLM Bulk Asbestos Report

15S-031; Marcellus CSD Main; High School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
81815H-42	215084502-42	No	NAD
Location: Classroom 316, Rennov - Floor Tile, 12 x 12 Cream Mottled			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 39.9 %			
Comment: Sample appears to be mastic.			
81815H-43	215084502-43	No	NAD
Location: Corridor Outside Classroom 316, 1969 - Ceiling Tile, 1x 1 Pin/Fissure			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 25.4 %			
81815H-44	215084502-44	No	NAD
Location: Classroom 317, 1969 - Sand Plaster, Surface Coat			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
81815H-45	215084502-45	No	NAD
Location: Classroom 317, 1969 - Sand Plaster, Brown Coat			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: Brown, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
81815H-46	215084502-46	No	NAD
Location: Classroom 320, Rennov. - Floor Tile, 12 x 12 White-Red/Green Flecks			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 3.5 %			

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PLM Bulk Asbestos Report

15S-031; Marcellus CSD Main; High School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
81815H-47	215084502-47	No	NAD
Location: Classroom 320, Rennov. - Floor Tile, 12 x 12, Mastic			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 45.7 %			
81815H-48	215084502-48	No	NAD
Location: Corridor Next To Classroom 320, 1969 - Terrazzo			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: Beige/Red/White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
81815H-49	215084502-49	No	NAD
Location: LGI, 1964 - Linoleum, Grey			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 0.7 %			
81815H-50	215084502-50	No	NAD
Location: LGI, 1964 - Linoleum, Mastic			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Tan/Grey, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 22.7 %			
81815H-51	215084502-51	No	NAD
Location: LGI, 1964 - Sand Plaster, Surface Coat			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
81815H-52	215084502-52	No	NAD
Location: LGI, 1964 - Sand Plaster, Brown Coat			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: Brown, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			

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Client Name: Gheen Engineering, PLLC

PLM Bulk Asbestos Report

15S-031; Marcellus CSD Main; High School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
81815H-53 Location: LGI, 1964 - Linoleum, Grey	215084502-53	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 2.7 %			
81815H-54 Location: LGI, 1964 - Linoleum, Mastic	215084502-54	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: OffWhite/Grey, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 28.9 %			
81815H-55 Location: LGI, Common - Carpet Mastic	215084502-55	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Green/Tan, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 48.3 %			
81815H-56 Location: LGI, 1964 - Wallpaper	215084502-56	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 18.6 %			
81815H-57 Location: LGI, 1964 - Wallpaper	215084502-57	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 21.2 %			
81815H-58 Location: LGI, 1964 - Ceiling Tile, 1 x 1 Pin/Fissure	215084502-58	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 45.2 %			

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PLM Bulk Asbestos Report

15S-031; Marcellus CSD Main; High School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
81815H-59	215084502-59	Yes	11.2 %
Location: Music Room, 1964 - Linoleum, Tan			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Brown/Light Brown, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 11.2 %			
Other Material: Non-fibrous 14 %			
81815H-60	215084502-60	Yes	26 %
Location: Music Room, 1964 - Linoleum, Tan			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Brown/Light Brown, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 26.0 %			
Other Material: Non-fibrous 38.9 %			
81815H-61	215084502-61	No	NAD
Location: Music Room Kitchen, 1964 - Cove Base, 4" Mudd			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 53.4 %			
81815H-62	215084502-62	No	NAD
Location: Music Room Kitchen, 1964 - Cove Base, Mastic			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 52.1 %			
81815H-63	215084502-63	No	NAD
Location: Music Room Kitchen, 1964 - Floor Tile, 9 x 9 Mastic			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 10.5 %			
81815H-64	215084502-64	No	NAD
Location: Corridor Next To Music Room, 1964 - Ceiling Tile, 1 x 1 Fissured			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 71 %			

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PLM Bulk Asbestos Report

15S-031; Marcellus CSD Main; High School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
81815H-65	215084502-65	No	NAD
Location: Corridor Next To Music Room, 1964 - Ceiling Tile, 1 x 1 Fissured, Mastic			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 48.2 %			
81815H-66	215084502-66	No	NAD
Location: Corridor Next To Music Room, 1964 - Sheetrock Backer Board			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: Brown/Light Brown, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 20 %, Fibrous glass Trace, Non-fibrous 80 %			

Reporting Notes:

(1) Sample prepared for analysis by ELAP 198.6 method

Analyzed by: Karol H. Lu 

*NAD/NSD =no asbestos detected; NA =not analyzed; NA/PS=not analyzed/positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP 200546-0), ELAP PLM Method 198.1 for NY friable samples, which includes the identification and quantitation of vermiculite or 198.6 for NOB samples or EPA 400 pt ct by EPA 600/M4-82-020 (NY ELAP Lab 11480); Note:PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos-containing in NY State (also see EPA Advisory for floor tile, FR 59,146,38970,8/1/94) National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the lab. This PLM report relates ONLY to the items tested. AIHA-LAP, LLC Lab ID 102843, RI Cert AAL-094, CT Cert PH-0186, Mass Cert AA000054.

Reviewed By: _____ END OF REPORT _____

Table I
Summary of Bulk Asbestos Analysis Results
 15S-031; Marcellus CSD Main; High School

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	81815H-01		0.204	11.3	69.1	19.6	NAD	NAD
Location: Corridor Outside Art Room, 1969 - Ceiling Tile, 1 x 1 Pin/Fissure								
02	81815H-02		0.314	55.4	11.5	33.1	NAD	NAD
Location: Corridor Outside Art Room, 1969 - Ceiling Tile, 1 x 1 Pin/Fissure, Mastic								
03	81815H-03		----	----	----	----	NAD	NA
Location: Corridor Outside Art Room, 1969 - Sheetrock Back Board								
04	81815H-04		0.215	15.8	34.9	49.3	NAD	NAD
Location: Classroom 301, Common - Ceiling Tile, 2 x 4 Pin								
05	81815H-05		----	----	----	----	NAD	NA
Location: Classroom 301, 1969 - Sand Plaster, Surface Coat								
06	81815H-06		----	----	----	----	NAD	NA
Location: Classroom 301, 1969 - Sand Plaster, Brown Coat								
07	81815H-07		0.264	18.2	42.8	39.0	NAD	NAD
Location: Office 300, Rennov. - Floor Tile, 12 x 12 Beige Mottled								
08	81815H-08		0.210	48.6	6.2	45.2	NAD	NAD
Location: Office 300, Common - Carpet Mastic								
09	81815H-09		----	----	----	----	NAD	NA
Location: Office 300, 1969 - Sand Plaster, Surface Coat								
10	81815H-10		----	----	----	----	NAD	NA
Location: Office 300, 1969 - Sand Plaster, Brown Coat								
11	81815H-11		----	----	----	----	NAD	NA
Location: Classroom 302, Rennov. - Sheetrock								
12	81815H-12		----	----	----	----	NAD	NA
Location: Classroom 302, Rennov. - Taping Compound								
13	81815H-13		0.200	57.0	22.5	20.5	NAD	NAD
Location: Classroom 302, Rennov. - Cove Base, 4" Tan								
14	81815H-14		0.129	64.3	5.4	30.2	NAD	NAD
Location: Classroom 302, Rennov. - Cove Base, Mastic								
15	81815H-15		0.349	72.5	10.9	16.6	NAD	NAD
Location: Classroom 305, 1969 - Older 12 x 12 Floor Tile Mastic								
16	81815H-16		0.262	42.7	1.9	55.3	NAD	NAD
Location: Classroom 305, 1969 - Cove Base, 4" Black								

See Reporting notes on last page

Table I
Summary of Bulk Asbestos Analysis Results
 15S-031; Marcellus CSD Main; High School

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
17	81815H-17		0.168	59.5	2.4	38.1	NAD	NAD
Location: Classroom 305, 1969 - Cove Base, Mastic								
18	81815H-18		0.110	53.6	8.2	36.4	Chrysotile 1.8	NA
Location: Classroom 305, 1969 - Lab Table Top, Mastic/Sealer								
19	81815H-19		----	----	----	----	NAD	NA
Location: Classroom 305, 1969 - Sand Plaster, Surface Coat								
20	81815H-20		----	----	----	----	NAD	NA
Location: Classroom 305, 1969 - Sand Plaster, Brown Coat								
21	81815H-21		0.222	43.2	0.9	55.9	NAD	NAD
Location: Classroom 309, 1969 - Cove Base, 4" Black								
22	81815H-22		0.114	62.3	6.1	31.5	Chrysotile <0.25	Chrysotile Trace
Location: Classroom 309, 1969 - Cove Base, Mastic								
23	81815H-23		----	----	----	----	NAD	NA
Location: Classroom 309, 1969 - Lab Table Top								
24	81815H-24		0.297	47.5	2.4	48.2	Chrysotile 2.0	NA
Location: Classroom 309, 1969 - Lab Table Top, Mastic/Sealer								
25	81815H-25		----	----	----	----	NAD	NA
Location: Storage Between 305 & 307, 1969 - Sand Plaster, Surface Coat								
26	81815H-26		----	----	----	----	NAD	NA
Location: Storage Between 305 & 307, 1969 - Sand Plaster, Brown Coat								
27	81815H-27		----	----	----	----	NAD	NA
Location: Storage Between 309 & 311, 1969 - Sand Plaster, Surface Coat								
28	81815H-28		----	----	----	----	NAD	NA
Location: Storage Between 309 & 311, 1969 - Sand Plaster, Brown Coat								
29	81815H-29		----	----	----	----	Chrysotile 0.5	NA
Location: Corridor Next To Faculty Toilet Room, 1969 - Ceramic Wall Tile, Thinset								
30	81815H-30		----	----	----	----	NAD	NA
Location: Classroom 308, Rennov. - Sheetrock								
31	81815H-31		----	----	----	----	NAD	NA
Location: Classroom 308, Rennov. - Taping Compound								
32	81815H-32		0.219	50.2	27.4	22.4	NAD	NAD
Location: Classroom 308, Rennov. - Cove Base, 4" Tan								

See Reporting notes on last page

Table I
Summary of Bulk Asbestos Analysis Results
 15S-031; Marcellus CSD Main; High School

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
33	81815H-33		0.448	66.1	0.4	33.5	NAD	NAD
Location: Classroom 308, Rennov. - Cove Base, Mastic								
34	81815H-34		0.330	21.5	43.6	34.8	NAD	NAD
Location: Classroom 308, Rennov. - Floor Tile, 12 x 12 Cream Mottled								
35	81815H-35		0.327	60.2	10.7	29.1	NAD	NAD
Location: Classroom 308, Rennov. - Floor Tile, 12 x 12 Mastic								
36	81815H-36		----	----	----	----	NAD	NA
Location: Faculty Toilet Room, 1969 - Smooth Plaster, Surface Coat								
37	81815H-37		----	----	----	----	NAD	NA
Location: Faculty Toilet Room, 1969 - Smooth Plaster, Brown Coat								
38	81815H-38		0.189	1.6	37.6	60.8	NAD	NAD
Location: Girls Toilet Room 311B, Common - Ceiling Tile, 2 x 4 Pin								
39	81815H-39		----	----	----	----	NAD	NA
Location: Storage Room Next To Classroom 313, 1969 - Sand Plaster, Surface Coat								
40	81815H-40		----	----	----	----	NAD	NA
Location: Storage Room Next To Classroom 313, 1969 - Sand Plaster, Brown Coat								
41	81815H-41		----	----	----	----	NAD	NA
Location: Corridor Next To Classroom 313, 1969 - Ceramic Wall Tile, Thinset								
42	81815H-42		0.173	53.8	6.4	39.9	NAD	NAD
Location: Classroom 316, Rennov. - Floor Tile, 12 x 12 Cream Mottled								
43	81815H-43		0.244	7.0	67.6	25.4	NAD	NAD
Location: Corridor Outside Classroom 316, 1969 - Ceiling Tile, 1x 1 Pin/Fissure								
44	81815H-44		----	----	----	----	NAD	NA
Location: Classroom 317, 1969 - Sand Plaster, Surface Coat								
45	81815H-45		----	----	----	----	NAD	NA
Location: Classroom 317, 1969 - Sand Plaster, Brown Coat								
46	81815H-46		0.201	15.9	80.6	3.5	NAD	NAD
Location: Classroom 320, Rennov. - Floor Tile, 12 x 12 White-Red/Green Flecks								
47	81815H-47		0.433	52.4	1.8	45.7	NAD	NAD
Location: Classroom 320, Rennov. - Floor Tile, 12 x 12, Mastic								
48	81815H-48		----	----	----	----	NAD	NA
Location: Corridor Next To Classroom 320, 1969 - Terrazzo								

See Reporting notes on last page

Table I
Summary of Bulk Asbestos Analysis Results
 15S-031; Marcellus CSD Main; High School

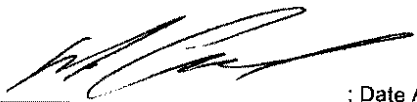
AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
49	81815H-49		0.150	42.7	56.7	0.7	NAD	NAD
	Location: LGI, 1964 - Linoleum, Grey							
50	81815H-50		0.291	32.3	45.0	22.7	NAD	NAD
	Location: LGI, 1964 - Linoleum, Mastic							
51	81815H-51		----	----	----	----	NAD	NA
	Location: LGI, 1964 - Sand Plaster, Surface Coat							
52	81815H-52		----	----	----	----	NAD	NA
	Location: LGI, 1964 - Sand Plaster, Brown Coat							
53	81815H-53		0.188	39.4	58.0	2.7	NAD	NAD
	Location: LGI, 1964 - Linoleum, Grey							
54	81815H-54		0.232	40.1	31.0	28.9	NAD	NAD
	Location: LGI, 1964 - Linoleum, Mastic							
55	81815H-55		0.286	47.6	4.2	48.3	NAD	NAD
	Location: LGI, Common - Carpet Mastic							
56	81815H-56		0.177	71.2	10.2	18.6	NAD	NAD
	Location: LGI, 1964 - Wallpaper							
57	81815H-57		0.231	65.8	13.0	21.2	NAD	NAD
	Location: LGI, 1964 - Wallpaper							
58	81815H-58		0.272	11.8	43.0	45.2	NAD	NAD
	Location: LGI, 1964 - Ceiling Tile, 1 x 1 Pin/Fissure							
59	81815H-59		0.210	41.0	33.8	14.0	Chrysotile 11.2	NA
	Location: Music Room, 1964 - Linoleum, Tan							
60	81815H-60		0.174	31.0	4.0	38.9	Chrysotile 26.0	NA
	Location: Music Room, 1964 - Linoleum, Tan							
61	81815H-61		0.236	41.9	4.7	53.4	NAD	NAD
	Location: Music Room Kitchen, 1964 - Cove Base, 4" Mudd							
62	81815H-62		0.545	46.2	1.7	52.1	NAD	NAD
	Location: Music Room Kitchen, 1964 - Cove Base, Mastic							
63	81815H-63		0.105	76.2	13.3	10.5	NAD	NAD
	Location: Music Room Kitchen, 1964 - Floor Tile, 9 x 9 Mastic							
64	81815H-64		0.314	12.7	16.2	71.0	NAD	NAD
	Location: Corridor Next To Music Room, 1964 - Ceiling Tile, 1 x 1 Fissured							

See Reporting notes on last page

Client Name: Gheen Engineering, PLLC

Table I
Summary of Bulk Asbestos Analysis Results
 15S-031; Marcellus CSD Main; High School

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
65	81815H-65		0.166	50.6	1.2	48.2	NAD	NAD
Location: Corridor Next To Music Room, 1964 - Ceiling Tile, 1 x 1 Fissured, Mastic								
66	81815H-66		----	----	----	----	NAD	NA
Location: Corridor Next To Music Room, 1964 - Sheetrock Backer Board								

 Analyzed by: Marik Peysakhov ; Date Analyzed 8/31/2015

**Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis - PLM by EPA 600/M4-82-020 per 40 CFR or ELAP 198.1 for New York friable samples or ELAP 198.6 for New York NOB samples; TEM (Semi/Full) by EPA 600/R-93/116 (not covered by NVLAP Bulk accreditation) or ELAP 198.4; for New York samples; NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses); NVLAP 200546-0, NYSDOH ELAP Lab 11480, AIHA Lab 102843.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogenous materials).

Reviewed By: _____

Gheen Environmental Services, LLC44 Glenridge Rd.
Whitesboro, NY 13492Phone: 315.520-4692
Fax: 315.362.9583**SAMPLE CHAIN OF CUSTODY FORM****PROJECT NAME:** Marcellus CSD Main**BUILDING:** High School**PROJECT #:** 15S-031**DATE:** 8/18/2015

SAMPLE NUMBER	HM	MATERIAL	SAMPLE LOCATION	VINTAGE
81815H- 01		Ceiling Tile - 1x1 Pin/Fissure	Corridor Outside Art Room	1969
81815H- 02		Ceiling Tile - 1x1 Pin/Fissure - Mastic	Corridor Outside Art Room	1969
81815H- 03		Sheet Rock Backer Board	Corridor Outside Art Room	1969
81815H- 04		Ceiling Tile - 2x4 Pin	Classroom 301	Common
81815H- 05		Sand Plaster - Surface Coat	Classroom 301	1969
81815H- 06		Sand Plaster - Brown Coat	Classroom 301	1969
81815H- 07		Floor Tile - 12x12 Beige Mottled	Office 300	Renнов.
81815H- 08		Carpet Mastic	Office 300	Common
81815H- 09		Sand Plaster - Surface Coat	Office 300	1969
81815H- 10		Sand Plaster - Brown Coat	Office 300	1969
81815H- 11		Sheet Rock	Classroom 302	Renнов.
81815H- 12		Taping Compound	Classroom 302	Renнов.
81815H- 13		Cove Base - 4" Tan	Classroom 302	Renнов.
81815H- 14		Cove Base - Mastic	Classroom 302	Renнов.
81815H- 15		Older 12x12 Floor Tile Mastic	Classroom 305	1969

#215084502

CHAIN OF CUSTODY

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ANALYSIS

REFERENCE METHOD	METHOD DESCRIPTION
NYS ELAP	NOB & Ceiling Tile with Cellulose-198.6/198.4 (Confirmation Only); All Others - 198.1

INSTRUCTIONS

TURNAROUND:	CONTACT:	FAX:	EMAIL:
5 Day	Sandra Gheen	315.362.9583	Sandra.Gheen@GheenEnv.com
	Stephen Gheen		Stephen.Gheen@GheenEng.com

Gheen Environmental Services, LLC44 Glenridge Rd.
Whitesboro, NY 13492Phone: 315.520.4692
Fax: 315.362.9583**SAMPLE CHAIN OF CUSTODY FORM****PROJECT NAME:** Marcellus CSD Main**BUILDING:** High School**PROJECT #:** 155-031**DATE:** 8/18/2015

SAMPLE NUMBER	HM	MATERIAL	SAMPLE LOCATION	VINTAGE
81815H- 16		Cove Base - 4" Black	Classroom 305	1969
81815H- 17		Cove Base - Mastic	Classroom 305	1969
81815H- 18		Lab Table Top - Mastic/Sealer	Classroom 305	1969
81815H- 19		Sand Plaster - Surface Coat	Classroom 305	1969
81815H- 20		Sand Plaster - Brown Coat	Classroom 305	1969
81815H- 21		Cove Base - 4" Black	Classroom 309	1969
81815H- 22		Cove Base - Mastic	Classroom 309	1969
81815H- 23		Lab Table Top	Classroom 309	1969
81815H- 24		Lab Table Top - Mastic/Sealer	Classroom 309	1969
81815H- 25		Sand Plaster - Surface Coat	Storage Between 305&307	1969
81815H- 26		Sand Plaster - Brown Coat	Storage Between 305&307	1969
81815H- 27		Sand Plaster - Surface Coat	Storage Between 309&311	1969
81815H- 28		Sand Plaster - Brown Coat	Storage Between 309&311	1969
81815H- 29		Ceramic Wall Tile - Thinset	Corridor Next to Faculty Toilet Room	1969
81815H- 30		Sheet Rock	Classroom 308	Renov.

#215084502

CHAIN OF CUSTODY

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ANALYSIS

REFERENCE METHOD	METHOD DESCRIPTION
NYS ELAP	NOB & Ceiling Tile with Cellulose-198.6/198.4 (Confirmation Only); All Others - 198.1

INSTRUCTIONS

TURNAROUND:	CONTACT:	FAX:	EMAIL:
5 Day	Sandra Gheen	315.362.9583	Sandra.Gheen@GheenEnv.com
	Stephen Gheen		Stephen.Gheen@GheenEng.com

Gheen Environmental Services, LLC44 Glenridge Rd.
Whitesboro, NY 13492Phone: 315.520.4692
Fax: 315.362.9583**SAMPLE CHAIN OF CUSTODY FORM****PROJECT NAME:** Marcellus CSD Main**BUILDING:** High School**PROJECT #:** 155-031**DATE:** 8/18/2015

SAMPLE NUMBER	HM	MATERIAL	SAMPLE LOCATION	VINTAGE
81815H- 31		Taping Compound	Classroom 308	Renov.
81815H- 32		Cove Base - 4" Tan	Classroom 308	Renov.
81815H- 33		Cove Base - Mastic	Classroom 308	Renov.
81815H- 34		Floor Tile - 12x12 Cream Mottled	Classroom 308	Renov.
81815H- 35		Floor tile - 12x12 Mastic	Classroom 308	Renov.
81815H- 36		Smooth Plaster - Surface Coat	Faculty Toilet Room	1969
81815H- 37		Smooth Plaster - Brown Coat	Faculty Toilet Room	1969
81815H- 38		Ceiling Tile - 2x4 Pin	Girls Toilet Room 311B	Common
81815H- 39		Sand Plaster - Surface Coat	Storage Room Next to Classroom 313	1969
81815H- 40		Sand Plaster - Brown Coat	Storage Room Next to Classroom 313	1969
81815H- 41		Ceramic Wall Tile - Thinset	Corridor Next to Classroom 313	1969
81815H- 42		Floor Tile - 12x12 Cream Mottled	Classroom 316	Renov.
81815H- 43		Ceiling Tile - 1x1 Pin/Fissure	Corridor Outside Classroom 316	1969
81815H- 44		Sand Plaster - Surface Coat	Classroom 317	1969
81815H- 45		Sand Plaster - Brown Coat	Classroom 317	1969

CHAIN OF CUSTODY

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ANALYSIS

REFERENCE METHOD	METHOD DESCRIPTION
NYS ELAP	NOB & Ceiling Tile with Cellulose-198.6/198.4 (Confirmation Only); All Others - 198.1

INSTRUCTIONS

TURNAROUND:	CONTACT:	FAX:	EMAIL:
5 Day	Sandra Gheen	315.362.9583	Sandra.Gheen@GheenEnv.com
	Stephen Gheen		Stephen.Gheen@GheenEng.com

Gheen Environmental Services, LLC44 Glenridge Rd.
Whitesboro, NY 13492Phone: 315.520.4692
Fax: 315.362.9583**SAMPLE CHAIN OF CUSTODY FORM****PROJECT NAME:** Marcellus CSD Main**BUILDING:** High School**PROJECT #:** 15S-031**DATE:** 8/18/2015

SAMPLE NUMBER	HM	MATERIAL	SAMPLE LOCATION	VINTAGE
81815H- 46		Floor Tile - 12x12 White-Red/Green Flecks	Classroom 320	Renнов.
81815H- 47		Floor tile - 12x12 - Mastic	Classroom 320	Renнов.
81815H- 48		Terazzo	Corridor Next to Classroom 320	1969
81815H- 49		Linoleum - Grey	LGI	1964
81815H- 50		Linoleum - Mastic	LGI	1964
81815H- 51		Sand Plaster - Surface Coat	LGI	1964
81815H- 52		Sand Plaster - Brown Coat	LGI	1964
81815H- 53		Linoleum - Grey	LGI	1964
81815H- 54		Linoleum - Mastic	LGI	1964
81815H- 55		Carpet Mastic	LGI	Common
81815H- 56		Wall Paper	LGI	1964
81815H- 57		Wall Paper	LGI	1964
81815H- 58		Ceiling Tile - 1x1 Pin/Fissure	LGI	1964
81815H- 59		Linoleum - Tan	Music Room	1964
81815H- 60		Linoleum Tan	Music Room	1964

CHAIN OF CUSTODY

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ANALYSIS

#215084502

REFERENCE METHOD	METHOD DESCRIPTION
NYS ELAP	NOB & Ceiling Tile with Cellulose-198.6/198.4 (Confirmation Only); All Others - 198.1

INSTRUCTIONS

TURNAROUND:	CONTACT:	FAX:	EMAIL:
5 Day	Sandra Gheen	315.362.9583	Sandra.Gheen@GheenEnv.com
	Stephen Gheen		Stephen.Gheen@GheenEng.com

Gheen Environmental Services, LLC

**44 Glenridge Rd.
Whitesboro, NY 13492**

Phone: 315.520.4692
Fax: 315.362.9583

SAMPLE CHAIN OF CUSTODY FORM

PROJECT NAME: Marcellus CSD Main

BUILDING: High School

PROJECT #: 15S-031

DATE: 8/18/2015

[illegible]

CHAIN OF CUSTODY

#215084502

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RECEIVED BY: [Signature]	DATE: 8/25/15	# OF SAMPLES:

ANALYSIS

REFERENCE METHOD	METHOD DESCRIPTION
NYS ELAP	NOB & Ceiling Tile with Cellulose-198.6/198.4 (Confirmation Only); All Others - 198.1

INSTRUCTIONS

TURNAROUND:	CONTACT:	FAX:	EMAIL:
5 Day	Sandra Gheen Stephen Gheen	315.362.9583	Sandra.Gheen@GheenEnv.com Stephen.Gheen@GheenEng.com

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To: Stephen Gheen
Gheen Engineering, PLLC
Fax #: (315) 362-9583

From: Karol H. Lu
AmeriSci Job #: 215084500
Subject: ELAP-PLM/TEM 5 day Results
Client Project: 15S-031; Marcellus CSD Main;
High School

Email: stephen.gheen@gheeneng.com,sandra.gheen@gheeneng.com

Date: Monday, August 31, 2015

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PLM Bulk Asbestos Report

Gheen Engineering, PLLC
Attn: Stephen Gheen
44 Glenridge Road

Whitesboro, NY 13492

Date Received 08/25/15 **AmeriSci Job #** 215084500
Date Examined 08/30/15 **P.O. #**
ELAP # 11480 **Page** 1 **of** 9
RE: 15S-031; Marcellus CSD Main; High School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
81915H-01	215084500-01	No	NAD
Location: Boys Locker Room, 1964 - Ceiling Tile, Tectum			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: White/Beige, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 80 %, Non-fibrous 20 %			
81915H-02	215084500-02	No	NAD
Location: Boys Locker Room, 1964 - Ceramic Floor Tile, Grout			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
81915H-03	215084500-03	No	NAD
Location: Boys Locker Room, 1964 - Ceramic Floor Tile, Thinset			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
81915H-04	215084500-04	No	NAD
Location: Boys Locker Room, 1964 - Quarry Tile, Grout			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
81915H-05	215084500-05	No	NAD
Location: Boys Locker Room, 1964 - Quarry Tile, Thinset			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Non-fibrous 100 %			

AmeriSci Job #: **215084500**

Page 2 of 9

Client Name: Gheen Engineering, PLLC

PLM Bulk Asbestos Report

15S-031; Marcellus CSD Main; High School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
81915H-06	215084500-06	Yes	9.5 %
Location: Kitchen Music Room, 1964 - Sink Undercoat, Lavender			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Pink, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 9.5 %			
Other Material: Non-fibrous 26.1 %			
81915H-07	215084500-07	No	NAD
Location: District Athletic Offices Storage Room, 1964 - Sand Plaster, Surface Coat			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
81915H-08	215084500-08	No	NAD
Location: District Athletic Offices Storage Room, 1964 - Sand Plaster, Brown Coat			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: Brown, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
81915H-09	215084500-09	No	NAD
Location: District Athletic Offices Storage Room, 1964 - Ceiling Tile, 1 x 1 Stellar			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 5.8 %			
81915H-10	215084500-10	No	NAD
Location: District Athletic Offices Storage Room, 1964 - Ceiling Tile, 1 x 1 Stellar, Mastic			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 48 %			
81915H-11	215084500-11	No	NAD
Location: District Athletic Offices Storage Room, 1964 - Sheetrock Backer Board			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: Brown/White, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 55 %, Fibrous glass Trace, Non-fibrous 45 %			

AmeriSci Job #: **215084500**

Page 3 of 9

Client Name: Gheen Engineering, PLLC

PLM Bulk Asbestos Report

15S-031; Marcellus CSD Main; High School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
81915H-12	215084500-12	No	NAD
Location: District Athletic Offices Storage Room, 1964 - Cove Base, 4" Mudd			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 55.5 %			
81915H-13	215084500-13	Yes	Trace (<0.25 % pc) ¹
Location: District Athletic Offices Storage Room, 1964 - Cove Base, Mastic			(EPA 400 PC) by Karol H. Lu on 08/30/15
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile <0.25 % pc			
Other Material: Non-fibrous 53 %			
81915H-14	215084500-14	No	NAD
Location: Classroom 213, 1964 - Sand Plaster, Surface Coat			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
81915H-15	215084500-15	No	NAD
Location: Classroom 213, 1964 - Sand Plaster, Brown Coat			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: Brown, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
81915H-16	215084500-16	No	NAD
Location: Classroom 211, Common - Floor Tile, 12 x 12 White-Red / Green-Flecks			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: White/Red, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 7.3 %			
81915H-17	215084500-17	Yes	Trace (<0.25 % pc) ¹
Location: Classroom 211, Common - Floor Tile, 12 x 12 Mastic			(EPA 400 PC) by Karol H. Lu on 08/30/15
Analyst Description: Tan/Grey, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile <0.25 % pc			
Other Material: Non-fibrous 1.5 %			

AmeriSci Job #: **215084500**

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Client Name: Gheen Engineering, PLLC

PLM Bulk Asbestos Report

15S-031; Marcellus CSD Main; High School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
81915H-18	215084500-18	No	NAD
Location: Girls Toilet Room 2nd Floor, 1964 - Smooth Plaster, Surface Coat			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
81915H-19	215084500-19	No	NAD
Location: Girls Toilet Room 2nd Floor, 1964 - Smooth Plaster, Brown Coat			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: Brown, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Non-fibrous 100 %			
81915H-20	215084500-20	No	NAD
Location: Classroom 209, 1964 - Cove Base, 4" Black			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 22.1 %			
81915H-21	215084500-21	Yes	2.4 %
Location: Classroom 209, 1964 - Cove Base, Mastic			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 2.4 %			
Other Material: Non-fibrous 16 %			
81915H-22	215084500-22	No	NAD
Location: Classroom 207, 1964 - Lab Table Top, Mastic/Sealer			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Brown/Clear, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 30.3 %			
81915H-23	215084500-23	No	NAD
Location: Classroom 207, 1964 - Sand Plaster, Surface Coat			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			

AmeriSci Job #: 215084500

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Client Name: Gheen Engineering, PLLC

PLM Bulk Asbestos Report

15S-031; Marcellus CSD Main; High School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
81915H-24 Location: Classroom 207, 1964 - Sand Plaster, Brown Coat Analyst Description: Brown, Homogeneous, Non-Fibrous, Cementitious, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %	215084500-24	No	NAD (by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
81915H-25 Location: Classroom 207, 1964 - Lab Table Top Analyst Description: Black/Brown, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %	215084500-25	No	NAD (by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
81915H-26 Location: Classroom 207, 1964 - Hood Lining Analyst Description: Dark Grey, Homogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 5 %, Fibrous glass 10 %, Non-fibrous 85 %	215084500-26	No	NAD (by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
81915H-27 Location: Classroom 207, 1964 - Hood Lining Analyst Description: Dark Grey, Homogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 5 %, Fibrous glass 10 %, Non-fibrous 85 %	215084500-27	No	NAD (by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
81915H-28 Location: Storage Room Between 205 & 207, 1964 - Cove Base, 4" Black Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 51.4 %	215084500-28	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
81915H-29 Location: Storage Room Between 205 & 207, 1964 - Cove Base, Mastic Analyst Description: Black/Grey, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile <0.25 % pc Other Material: Non-fibrous 27.9 %	215084500-29	Yes	Trace (<0.25 % pc) ¹ (EPA 400 PC) by Karol H. Lu on 08/30/15

AmeriSci Job #: **215084500**

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Client Name: Gheen Engineering, PLLC

PLM Bulk Asbestos Report

15S-031; Marcellus CSD Main; High School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
81915H-30	215084500-30	No	NAD
Location: Storage Room Between 205 & 207, 1964 - Lab Table Top			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: Black/Brown, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
81915H-31	215084500-31	No	NAD
Location: Storage Room Between 205 & 207, 1964 - Lab Table Top, Mastic/Sealer			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Brown/Clear, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 20.2 %			
81915H-32	215084500-32	No	NAD
Location: Storage Room Between 205 & 207, 1964 - Ceiling Tile, 1 x 1 Stellar			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 11.9 %			
81915H-33	215084500-33	No	NAD
Location: Storage Room Between 205 & 207, 1964 - Ceiling Tile, 1 x 1 Stellar, Mastic			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 39.8 %			
81915H-34	215084500-34	No	NAD
Location: Storage Room Between 205 & 207, 1964 - Sheetrock Backer Board			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: Brown/White, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 50 %, Fibrous glass Trace, Non-fibrous 50 %			
81915H-35	215084500-35	Yes	Trace (<0.25 % pc)¹
Location: Classroom 204, 1964 - Interior Door Light Glazing Compound			(EPA 400 PC) by Karol H. Lu on 08/30/15
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile <0.25 % pc			
Other Material: Non-fibrous 4.4 %			

AmeriSci Job #: **215084500**

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Client Name: Gheen Engineering, PLLC

PLM Bulk Asbestos Report

15S-031; Marcellus CSD Main; High School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
81915H-36	215084500-36.1	No	NAD
Location: Teachers Toilet Room 2nd Floor, 1964 - Smooth Plaster, Layered - White Coat			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
81915H-36	215084500-36.2	No	NAD
Location: Teachers Toilet Room 2nd Floor, 1964 - Smooth Plaster, Layered - Grey Coat			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
81915H-37	215084500-37	No	NAD
Location: Teachers Toilet Room 2nd Floor, 1964 - Ceramic Floor Tile, Grout			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: OffWhite, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Non-fibrous 100 %			
81915H-38	215084500-38	Yes	0.3 %
Location: Teachers Toilet Room 2nd Floor, 1964 - Ceramic Floor Tile, Thinset			(EPA 400 PC) by Karol H. Lu on 08/30/15
Analyst Description: OffWhite, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 0.3 %			
Other Material: Non-fibrous 99.7 %			
81915H-39	215084500-39.1	No	NAD
Location: Storage Next To Classroom 210, 1964 - Sand Plaster, Layered - White Coat			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
81915H-39	215084500-39.2	No	NAD
Location: Storage Next To Classroom 210, 1964 - Sand Plaster, Layered - Grey Coat			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			

AmeriSci Job #: **215084500**

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Client Name: Gheen Engineering, PLLC

PLM Bulk Asbestos Report

15S-031; Marcellus CSD Main; High School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
81915H-40	215084500-40	Yes	Trace (<0.25 % pc) ¹ (EPA 400 PC) by Karol H. Lu on 08/30/15
Location: Classroom 209, 1964 - Interior Door Light Glazing Compound			
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile <0.25 % pc			
Other Material: Non-fibrous 6.4 %			
81915H-41	215084500-41	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Location: Stock, Connect Add. - Ceiling Tile, 2 x 2 Regular Squares			
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 24.1 %			
81915H-42	215084500-42	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Location: Stock, Connect Add. - Ceiling Tile, 2 x 2 Regular Squares			
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 26 %			
81915H-43	215084500-43	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Location: Classroom 301, 1969 - Interior Door Light Glazing Compound			
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 21.8 %			
81915H-44	215084500-44	Yes	17.8 % (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Location: Crawlpace, 1969 - Tar On Fiberglass Fitting Insulation			
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 17.8 %			
Other Material: Non-fibrous 17.7 %			
81915H-45	215084500-45	Yes	6.9 % (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Location: Crawlpace, 1969 - Tar On Fiberglass Fitting Insulation			
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 6.9 %			
Other Material: Non-fibrous 20.7 %			

AmeriSci Job #: **215084500**

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Client Name: Gheen Engineering, PLLC

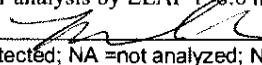
PLM Bulk Asbestos Report

15S-031; Marcellus CSD Main; High School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
81915H-46	215084500-46	No	NAD
Location: Classroom 315, 1969 - Interior Door Light Glazing Compound			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 23.8 %			
81915H-47	215084500-47	No	NAD
Location: Crawlspace, 1964 - Duct Pin Mastic			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 1.7 %			

Reporting Notes:

(1) Sample prepared for analysis by ELAP 198.6 method

Analyzed by: Karol H. Lu 

*NAD/NSD =no asbestos detected; NA =not analyzed; NA/PS=not analyzed/positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP 200546-0), ELAP PLM Method 198.1 for NY friable samples, which includes the identification and quantitation of vermiculite or 198.6 for NOB samples or EPA 400 pt ct by EPA 600/M4-82-020 (NY ELAP Lab 11480); Note:PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos-containing in NY State (also see EPA Advisory for floor tile, FR 59,146,38970,8/1/94) National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the lab.This PLM report relates ONLY to the items tested. AIHA-LAP, LLC Lab ID 102843, RI Cert AAL-094, CT Cert PH-0186, Mass Cert AA000054.

Reviewed By: _____ END OF REPORT _____

Client Name: Gheen Engineering, PLLC

Table I
Summary of Bulk Asbestos Analysis Results
 15S-031; Marcellus CSD Main; High School

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	81915H-01		----	----	----	----	NAD	NA
	Location: Boys Locker Room, 1964 - Ceiling Tile, Tectum							
02	81915H-02		----	----	----	----	NAD	NA
	Location: Boys Locker Room, 1964 - Ceramic Floor Tile, Grout							
03	81915H-03		----	----	----	----	NAD	NA
	Location: Boys Locker Room, 1964 - Ceramic Floor Tile, Thinset							
04	81915H-04		----	----	----	----	NAD	NA
	Location: Boys Locker Room, 1964 - Quarry Tile, Grout							
05	81915H-05		----	----	----	----	NAD	NA
	Location: Boys Locker Room, 1964 - Quarry Tile, Thinset							
06	81915H-06		0.533	15.0	49.3	26.1	Chrysotile 9.5	NA
	Location: Kitchen Music Room, 1964 - Sink Undercoat, Lavender							
07	81915H-07		----	----	----	----	NAD	NA
	Location: District Athletic Offices Storage Room, 1964 - Sand Plaster, Surface Coat							
08	81915H-08		----	----	----	----	NAD	NA
	Location: District Athletic Offices Storage Room, 1964 - Sand Plaster, Brown Coat							
09	81915H-09		0.275	92.7	1.5	5.8	NAD	NAD
	Location: District Athletic Offices Storage Room, 1964 - Ceiling Tile, 1 x 1 Stellar							
10	81915H-10		0.659	51.1	0.9	48.0	NAD	NAD
	Location: District Athletic Offices Storage Room, 1964 - Ceiling Tile, 1 x 1 Stellar, Mastic							
11	81915H-11		----	----	----	----	NAD	NA
	Location: District Athletic Offices Storage Room, 1964 - Sheetrock Backer Board							
12	81915H-12		0.209	38.8	5.7	55.5	NAD	NAD
	Location: District Athletic Offices Storage Room, 1964 - Cove Base, 4" Mudd							
13	81915H-13		0.381	43.3	3.7	52.9	Chrysotile <0.25	Chrysotile Trace
	Location: District Athletic Offices Storage Room, 1964 - Cove Base, Mastic							
14	81915H-14		----	----	----	----	NAD	NA
	Location: Classroom 213, 1964 - Sand Plaster, Surface Coat							
15	81915H-15		----	----	----	----	NAD	NA
	Location: Classroom 213, 1964 - Sand Plaster, Brown Coat							
16	81915H-16		0.262	16.4	76.3	7.3	NAD	NAD
	Location: Classroom 211, Common - Floor Tile, 12 x 12 White-Red / Green-Flecks							

See Reporting notes on last page

Client Name: Gheen Engineering, PLLC

Table I
Summary of Bulk Asbestos Analysis Results
 15S-031; Marcellus CSD Main; High School

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
17	81915H-17		0.325	91.1	7.4	1.4	Chrysotile <0.25	Chrysotile Trace
Location: Classroom 211, Common - Floor Tile, 12 x 12 Mastic								
18	81915H-18		----	----	----	----	NAD	NA
Location: Girls Toilet Room 2nd Floor, 1964 - Smooth Plaster, Surface Coat								
19	81915H-19		----	----	----	----	NAD	NA
Location: Girls Toilet Room 2nd Floor, 1964 - Smooth Plaster, Brown Coat								
20	81915H-20		0.249	52.6	25.3	22.1	NAD	NAD
Location: Classroom 209, 1964 - Cove Base, 4" Black								
21	81915H-21		0.255	62.4	19.2	16.0	Chrysotile 2.4	NA
Location: Classroom 209, 1964 - Cove Base, Mastic								
22	81915H-22		0.261	69.0	0.8	30.3	NAD	NAD
Location: Classroom 207, 1964 - Lab Table Top, Mastic/Sealer								
23	81915H-23		----	----	----	----	NAD	NA
Location: Classroom 207, 1964 - Sand Plaster, Surface Coat								
24	81915H-24		----	----	----	----	NAD	NA
Location: Classroom 207, 1964 - Sand Plaster, Brown Coat								
25	81915H-25		----	----	----	----	NAD	NA
Location: Classroom 207, 1964 - Lab Table Top								
26	81915H-26		----	----	----	----	NAD	NA
Location: Classroom 207, 1964 - Hood Lining								
27	81915H-27		----	----	----	----	NAD	NA
Location: Classroom 207, 1964 - Hood Lining								
28	81915H-28		0.358	43.0	5.6	51.4	NAD	NAD
Location: Storage Room Between 205 & 207, 1964 - Cove Base, 4" Black								
29	81915H-29		0.111	56.8	15.3	27.6	Chrysotile <0.25	Chrysotile Trace Anthophyllite <1.0
Location: Storage Room Between 205 & 207, 1964 - Cove Base, Mastic								
30	81915H-30		----	----	----	----	NAD	NA
Location: Storage Room Between 205 & 207, 1964 - Lab Table Top								
31	81915H-31		0.104	79.8	0.0	20.2	NAD	NAD
Location: Storage Room Between 205 & 207, 1964 - Lab Table Top, Mastic/Sealer								
32	81915H-32		0.219	87.2	0.9	11.9	NAD	NAD
Location: Storage Room Between 205 & 207, 1964 - Ceiling Tile, 1 x 1 Stellar								

See Reporting notes on last page

Client Name: Gheen Engineering, PLLC

Table I
Summary of Bulk Asbestos Analysis Results
 15S-031; Marcellus CSD Main; High School

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
33	81915H-33		0.467	51.4	8.8	39.8	NAD	NAD
Location: Storage Room Between 205 & 207, 1964 - Ceiling Tile, 1 x 1 Stellar, Mastic								
34	81915H-34		----	----	----	----	NAD	NA
Location: Storage Room Between 205 & 207, 1964 - Sheetrock Backer Board								
35	81915H-35		0.181	86.7	8.8	2.2	Chrysotile <0.25	Chrysotile 2.2
Location: Classroom 204, 1964 - Interior Door Light Glazing Compound								
36.1	81915H-36		----	----	----	----	NAD	NA
Location: Teachers Toilet Room 2nd Floor, 1964 - Smooth Plaster, Layered - White Coat								
36.2	81915H-36		----	----	----	----	NAD	NA
Location: Teachers Toilet Room 2nd Floor, 1964 - Smooth Plaster, Layered - Grey Coat								
37	81915H-37		----	----	----	----	NAD	NA
Location: Teachers Toilet Room 2nd Floor, 1964 - Ceramic Floor Tile, Grout								
38	81915H-38		----	----	----	----	Chrysotile 0.3	NA
Location: Teachers Toilet Room 2nd Floor, 1964 - Ceramic Floor Tile, Thinset								
39.1	81915H-39		----	----	----	----	NAD	NA
Location: Storage Next To Classroom 210, 1964 - Sand Plaster, Layered - White Coat								
39.2	81915H-39		----	----	----	----	NAD	NA
Location: Storage Next To Classroom 210, 1964 - Sand Plaster, Layered - Grey Coat								
40	81915H-40		0.204	89.2	4.4	3.2	Chrysotile <0.25	Chrysotile 3.2
Location: Classroom 209, 1964 - Interior Door Light Glazing Compound								
41	81915H-41		0.295	11.9	64.1	24.1	NAD	NAD
Location: Stock, Connect Add. - Ceiling Tile, 2 x 2 Regular Squares								
42	81915H-42		0.285	12.6	61.4	26.0	NAD	NAD
Location: Stock, Connect Add. - Ceiling Tile, 2 x 2 Regular Squares								
43	81915H-43		0.293	74.4	3.8	21.8	NAD	NAD
Location: Classroom 301, 1969 - Interior Door Light Glazing Compound								
44	81915H-44		0.372	57.8	6.7	17.8	Chrysotile 17.8	NA
Location: Crawlspace, 1969 - Tar On Fiberglass Fitting Insulation								
45	81915H-45		0.283	51.6	20.8	20.7	Chrysotile 6.9	NA
Location: Crawlspace, 1969 - Tar On Fiberglass Fitting Insulation								
46	81915H-46		0.407	74.0	2.2	23.8	NAD	NAD
Location: Classroom 315, 1969 - Interior Door Light Glazing Compound								

See Reporting notes on last page

Client Name: Gheen Engineering, PLLC

Table I
Summary of Bulk Asbestos Analysis Results
 15S-031; Marcellus CSD Main; High School

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
47	81915H-47		0.118	95.8	2.5	1.7	NAD	NAD
Location: Crawlspace, 1964 - Duct Pin Mastic								

 Analyzed by: Marik Peysakhov ; Date Analyzed 8/31/2015

**Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis - PLM by EPA 600/M4-82-020 per 40 CFR or ELAP 198.1 for New York friable samples or ELAP 198.6 for New York NOB samples; TEM (Semi/Full) by EPA 600/R-93/116 (not covered by NVLAP Bulk accreditation) or ELAP 198.4; for New York samples; NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses); NVLAP 200546-0, NYSDOH ELAP Lab 11480, AIHA Lab 102843.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogenous materials).

Reviewed By: _____

Gheen Environmental Services, LLC44 Glenridge Rd.
Whitesboro, NY 13492Phone: 315.520-4692
Fax: 315.362.9583**SAMPLE CHAIN OF CUSTODY FORM****PROJECT NAME:** Marcellus CSD Main**BUILDING:** High School**PROJECT #:** 15S-031**DATE:** 8/19/2015

SAMPLE NUMBER	HM	MATERIAL	SAMPLE LOCATION	VINTAGE
81915H- 01		Ceiling Tile - Tectum	Boys Locker Room	1964
81915H- 02		Ceramic Floor Tile - Grout	Boys Locker Room	1964
81915H- 03		Ceramic Floor Tile - Thinset	Boys Locker Room	1964
81915H- 04		Quarry Tile - Grout	Boys Locker Room	1964
81915H- 05		Quarry Tile - Thinset	Boys Locker Room	1964
81915H- 06		Sink Undercoat - Lavender	Kitchen Music Room	1964
81915H- 07		Sand Plaster - Surface Coat	District Athletic Offices Storage Room	1964
81915H- 08		Sand Plaster - Brown Coat	District Athletic Offices Storage Room	1964
81915H- 09		Ceiling Tile - 1x1 Stellar	District Athletic Offices Storage Room	1964
81915H- 10		Ceiling Tile - 1x1 Stellar - Mastic	District Athletic Offices Storage Room	1964
81915H- 11		Sheet Rock Backer Board	District Athletic Offices Storage Room	1964
81915H- 12		Cove Base - 4" Mudd	District Athletic Offices Storage Room	1964
81915H- 13		Cove Base - Mastic	District Athletic Offices Storage Room	1964
81915H- 14		Sand Plaster - Surface Coat	Classroom 213	1964
81915H- 15		Sand Plaster - Brown Coat	Classroom 213	1964

CHAIN OF CUSTODY

#215084500

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ANALYSIS

REFERENCE METHOD	METHOD DESCRIPTION
NYS ELAP	NOB & Ceiling Tile with Cellulose-198.6/198.4 (Confirmation Only); All Others - 198.1

INSTRUCTIONS

TURNAROUND:	CONTACT:	FAX:	EMAIL:
5 Day	Sandra Gheen	315.362.9583	Sandra.Gheen@GheenEnv.com
	Stephen Gheen		Stephen.Gheen@GheenEng.com

Gheen Environmental Services, LLC44 Glenridge Rd.
Whitesboro, NY 13492Phone: 315.520.4692
Fax: 315.362.9583**SAMPLE CHAIN OF CUSTODY FORM****PROJECT NAME:** Marcellus CSD Main**BUILDING:** High School**PROJECT #:** 15S-031**DATE:** 8/19/2015

SAMPLE NUMBER	HM	MATERIAL	SAMPLE LOCATION	VINTAGE
81915H- 16		Floor Tile - 12x12 White-Red/Green Flecks	Classroom 211	Common
81915H- 17		Floor Tile - 12x12 Mastic	Classroom 211	Common
81915H- 18		Smooth Plaster - Surface Coat	Girls Toilet Room 2nd Floor	1964
81915H- 19		Smooth Plaster - Brown Coat	Girls Toilet Room 2nd Floor	1964
81915H- 20		Cove Base - 4" Black	Classroom 209	1964
81915H- 21		Cove Base - Mastic	Classroom 209	1964
81915H- 22		Lab Table Top - Mastic/Sealer	Classroom 207	1964
81915H- 23		Sand Plaster - Surface Coat	Classroom 207	1964
81915H- 24		Sand Plaster - Brown Coat	Classroom 207	1964
81915H- 25		Lab Table Top	Classroom 207	1964
81915H- 26		Hood Lining	Classroom 207	1964
81915H- 27		Hood Lining	Classroom 207	1964
81915H- 28		Cove Base - 4" Black	Storage Room Between 205&207	1964
81915H- 29		Cove Base - Mastic	Storage Room Between 205&207	1964
81915H- 30		Lab Table Top	Storage Room Between 205&207	1964

CHAIN OF CUSTODY

#215084500

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ANALYSIS

REFERENCE METHOD	METHOD DESCRIPTION
NYS ELAP	NOB & Ceiling Tile with Cellulose-198.6/198.4 (Confirmation Only); All Others - 198.1

INSTRUCTIONS

TURNAROUND:	CONTACT:	FAX:	EMAIL:
5 Day	Sandra Gheen	315.362.9583	Sandra.Gheen@GheenEnv.com
	Stephen Gheen		Stephen.Gheen@GheenEng.com

Gheen Environmental Services, LLC44 Glenridge Rd.
Whitesboro, NY 13492Phone: 315.520.4692
Fax: 315.362.9583**SAMPLE CHAIN OF CUSTODY FORM****PROJECT NAME:** Marcellus CSD Main**BUILDING:** High School**PROJECT #:** 155-031**DATE:** 8/19/2015

SAMPLE NUMBER	HM	MATERIAL	SAMPLE LOCATION	VINTAGE
81915H- 31		Lab Table Top - Mastic/Sealer	Storage Room Between 205&207	1964
81915H- 32		Ceiling Tile - 1x1 Stellar	Storage Room Between 205&207	1964
81915H- 33		Ceiling Tile - 1x1 Stellar - Mastic	Storage Room Between 205&207	1964
81915H- 34		Sheet Rock Backer Board	Storage Room Between 205&207	1964
81915H- 35		Interior Door Light Glazing Compound	Classroom 204	1964
81915H- 36		Smooth Plaster - Layered	Teachers Toilet Room 2nd Floor	1964
81915H- 37		Ceramic Floor Tile - Grout	Teachers Toilet Room 2nd Floor	1964
81915H- 38		Ceramic Floor Tile - Thinset	Teachers Toilet Room 2nd Floor	1964
81915H- 39		Sand Plaster - Layered	Storage Next to Classroom 210	1964
81915H- 40		Interior Door Light Glazing Compound	Classroom 209	1964
81915H- 41		Ceiling Tile - 2x2 Tegular Squares	Stock	Connect Add
81915H- 42		Ceiling Tile - 2x2 Tegular Squares	Stock	Connect Add
81915H- 43		Interior Door Light Glazing Compound	Classroom 301	1969
81915H- 44		Tar on Fiberglass Fitting Insulation	Crawlspace	1969
81915H- 45		Tar on Fiberglass Fitting Insulation	Crawlspace	1969

CHAIN OF CUSTODY

#215084500

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ANALYSIS

REFERENCE METHOD	METHOD DESCRIPTION
NYS ELAP	NOB & Ceiling Tile with Cellulose-198.6/198.4 (Confirmation Only); All Others - 198.1

INSTRUCTIONS

TURNAROUND:	CONTACT:	FAX:	EMAIL:
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	Stephen Gheen		Stephen.Gheen@GheenEng.com

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SAMPLE CHAIN OF CUSTODY FORM

PROJECT NAME: Marcellus CSD Main

BUILDING: High School



PROJECT #: 15S-031

DATE: 8/19/2015

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ANALYSIS

REFERENCE METHOD	METHOD DESCRIPTION
NYS ELAP	NOB & Ceiling Tile with Cellulose-198.6/198.4 (Confirmation Only); All Others - 198.1

INSTRUCTIONS

TURNAROUND:	CONTACT:	FAX:	EMAIL:
5 Day	Sandra Gheen Stephen Gheen	315.362.9583	Sandra.Gheen@GheenEnv.com Stephen.Gheen@GheenEng.com

FAX

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To: Stephen Gheen
Gheen Engineering, PLLC
Fax #: (315) 362-9583
Email: stephen.gheen@gheeneng.com, sandra.gheen@gheeneng.com

From: Karol H. Lu
AmeriSci Job #: 215084501
Subject: ELAP-PLM/TEM 5 day Results
Client Project: 15S-031; Marcellus CSD Main; High School

Date: Monday, August 31, 2015**Time:** 16:52:55**Comments:****Number of Pages:**18
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PLM Bulk Asbestos Report

Gheen Engineering, PLLC
Attn: Stephen Gheen
44 Glenridge Road

Whitesboro, NY 13492

Date Received 08/25/15 **AmeriSci Job #** 215084501
Date Examined 08/30/15 **P.O. #**
ELAP # 11480 **Page** 1 **of** 9
RE: 15S-031; Marcellus CSD Main; High School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
82015H-01	215084501-01	Yes	11.1 %
Location: Library Kitchen - 1964 - Sink Undercoat - Lavender			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 11.1 %			
Other Material: Non-fibrous 30.5 %			
82015H-02	215084501-02	No	NAD
Location: Room 101 - 1964 - Ceiling Tile - 1 x 1 Pin / Fissure - Mastic			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 45.2 %			
82015H-03	215084501-03	No	NAD
Location: Room 101 - 1964 - Ceiling Tile - 1 x 1 Pin / Fissure			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 26.3 %			
82015H-04	215084501-04	No	NAD
Location: Room 101 - 1964 - Sheetrock Backer Board			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: Brown/White, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 15 %, Fibrous glass Trace, Non-fibrous 85 %			
82015H-05	215084501-05	Yes	12.3 %
Location: Room 103 - 1964 - Sink Undercoat - Black			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 12.3 %			
Other Material: Non-fibrous 18.4 %			

AmeriSci Job #: **215084501**

Client Name: Gheen Engineering, PLLC

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PLM Bulk Asbestos Report

15S-031; Marcellus CSD Main; High School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
82015H-06 Location: Room 103 - 1964 - Cove Base - 4" Tan	215084501-06	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: OffWhite, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 2.3 %			
82015H-07 Location: Room 103 - 1964 - Cove Base Mastic	215084501-07	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 47.1 %			
82015H-08 Location: Library Kitchen - 1964 - Cove Base - 4" Black	215084501-08	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 4.4 %			
82015H-09 Location: Library Kitchen - 1964 - Cove Base Mastic	215084501-09	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 45.9 %			
82015H-10 Location: Room 107 - 1964 - Cove Base - 4" Tan	215084501-10	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Beige, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 0.9 %			
82015H-11 Location: Mens Toilet Room Next To Auditorium - 1977 - Floor Tile - 12 x 12 Tan/Brown Specks	215084501-11	Yes	1.7 % (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Beige, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 1.6 %			
Other Material: Non-fibrous 14.4 %			

AmeriSci Job #: 215084501

Client Name: Gheen Engineering, PLLC

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PLM Bulk Asbestos Report

15S-031; Marcellus CSD Main; High School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
82015H-12	215084501-12	No	NAD
Location: Mens Toilet Room Next To Auditorium - 1977 - Floor Tile - 12 x 12 Mastic			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Tan/Beige, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 46.7 %			
82015H-13	215084501-13	No	NAD
Location: Mens Toilet Room Next To Auditorium - 1977 - Cove Base - 4" Brown			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 3.4 %			
82015H-14	215084501-14	No	NAD
Location: Mens Toilet Room Next To Auditorium - 1977 - Cove Base - Mastic			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 42.4 %			
82015H-15	215084501-15	Yes	Trace (<0.25 % pc) ¹
Location: Ladies Toilet Room Next To Auditorium - 1977 - Floor Tile - 12 x 12 Tan/Brown Specks			(EPA 400 PC) by Karol H. Lu on 08/30/15
Analyst Description: Beige, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile <0.25 % pc			
Other Material: Non-fibrous 6.6 %			
82015H-16	215084501-16	No	NAD
Location: Ladies Toilet Room Next To Auditorium - 1977 - Floor Tile - 12 x 12 Tan/Brown Specks - Mastic			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Beige/Tan, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 45.9 %			
82015H-17	215084501-17	No	NAD
Location: Ladies Toilet Room Next To Auditorium - 1977 - Cove Base - 4" Brown			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 23.7 %			

AmeriSci Job #: 215084501

Client Name: Gheen Engineering, PLLC

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PLM Bulk Asbestos Report

15S-031; Marcellus CSD Main; High School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
82015H-18	215084501-18	No	NAD
Location: Ladies Toilet Room Next To Auditorium - 1977 - Cove Base - Mastic			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 46.4 %			
82015H-19	215084501-19	No	NAD
Location: Mens Toilet Room Next To Auditorium - 1977 - Ceramic Wall Tile - Grout			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
82015H-20	215084501-20	No	NAD
Location: Mens Toilet Room Next To Auditorium - 1977 - Ceramic Wall Tile - Mastic			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 41.8 %			
82015H-21	215084501-21	No	NAD
Location: Mens Toilet Room Next To Auditorium - 1977 - Sheetrock			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: Brown/White, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 15 %, Fibrous glass Trace, Non-fibrous 85 %			
82015H-22	215084501-22	No	NAD
Location: Mens Toilet Room Next To Auditorium - 1977 - Taping Compound			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
82015H-23	215084501-23	No	NAD
Location: Ladies Toilet Room Next To Auditorium - 1977 - Ceramic Wall Tile - Grout			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			

AmeriSci Job #: 215084501

Client Name: Gheen Engineering, PLLC

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PLM Bulk Asbestos Report

15S-031; Marcellus CSD Main; High School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
82015H-24	215084501-24	No	NAD
Location: Ladies Toilet Room Next To Auditorium - 1977 - Ceramic Wall Tile - Mastic			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 36.5 %			
82015H-25	215084501-25	No	NAD
Location: Ladies Toilet Room Next To Auditorium - 1977 - Sheetrock			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: Brown/White, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 15 %, Non-fibrous 85 %			
82015H-26	215084501-26	No	NAD
Location: Ladies Toilet Room Next To Auditorium - 1977 - Taping Compound			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
82015H-27	215084501-27	No	NAD
Location: Storage Room Next To Stage - 1977 - Fitting Insulation			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: Grey, Homogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Fibrous glass 15 %, Non-fibrous 85 %			
82015H-28	215084501-28	No	NAD
Location: Room 106 - Ceiling Tile - Common - 2 x 2 Pin			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 53.5 %			
82015H-29	215084501-29	No	NAD
Location: Room 104 - Ceiling Tile - Common - 2 x 2 Pin			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 51.5 %			

AmeriSci Job #: 215084501

Client Name: Gheen Engineering, PLLC

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PLM Bulk Asbestos Report

15S-031; Marcellus CSD Main; High School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
82015H-30	215084501-30	No	NAD
Location: Nurses Suite - 1964 - Sink Undercoat - White			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 38.3 %			
82015H-31	215084501-31	No	NAD
Location: Life Skills - 1964 - Cove Base - 4" Brown			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 5.6 %			
82015H-32	215084501-32	No	NAD
Location: Corridor Next To Life Skills - 1964 - Ceiling Tile - 1 x 1 Fissure			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 21.6 %			
82015H-33	215084501-33	No	NAD
Location: Art - 1964 - Cove Base - 4" Brown			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 2.7 %			
82015H-34	215084501-34	Yes	23.5 %
Location: Art - 1964 - Lab Table Top			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: Black, Homogeneous, Fibrous, Bulk Material			
Asbestos Types: Chrysotile 23.5 %			
Other Material: Non-fibrous 76.5 %			
82015H-35	215084501-35	Yes	19 %
Location: Art - 1964 - Lab Table Top			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: Black, Homogeneous, Fibrous, Bulk Material			
Asbestos Types: Chrysotile 19.0 %			
Other Material: Non-fibrous 81 %			

AmeriSci Job #: **215084501**

Client Name: Gheen Engineering, PLLC

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PLM Bulk Asbestos Report

15S-031; Marcellus CSD Main; High School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
82015H-36	215084501-36	No	NAD
Location: Boiler Room - Boiler # 1 - 1964 - Boiler Gasket			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: White, Homogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Fibrous glass 99 %, Non-fibrous 1 %			
82015H-37	215084501-37	No	NAD
Location: Boiler Room - Boiler # 1 - 1964 - Breeching Insulation			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: Beige, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Fibrous glass 1 %, Synthetic fibers 2 %, Non-fibrous 97 %			
82015H-38	215084501-38	No	NAD
Location: Boiler Room - Boiler # 2 - 1964 - Breeching Insulation			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: Beige, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Fibrous glass 1 %, Synthetic fibers 2 %, Non-fibrous 97 %			
82015H-39	215084501-39	No	NAD
Location: Boiler Room - Boiler # 3 - 1964 - Breeching Insulation			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: Beige, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Fibrous glass 1 %, Synthetic fibers 2 %, Non-fibrous 97 %			
82015H-40	215084501-40	No	NAD
Location: Boiler Room - Boiler # 3 - 1964 - Boiler Gasket			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: White, Homogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Fibrous glass 95 %, Non-fibrous 5 %			
82015H-41	215084501-41	No	NAD
Location: Girls Locker Room - 1964 - Quarry Tile - Grout			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			

AmeriSci Job #: **215084501**

Client Name: Gheen Engineering, PLLC

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PLM Bulk Asbestos Report

15S-031; Marcellus CSD Main; High School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
82015H-42	215084501-42	No	NAD
Location: Girls Locker Room - 1964 - Quarry Tile - Thinset			(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
82015H-43	215084501-43	No	NAD
Location: LGI - 1964 - Ceiling Tile - 2 x 2 Pin / Fissure			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 48 %			
82015H-44	215084501-44	No	NAD
Location: LGI - 1964 - Ceiling Tile - 2 x 2 Pin / Fissure			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 36.8 %			
82015H-45	215084501-45	No	NAD
Location: LGI - 1964 - Ceiling Tile - 1 x 1 Pin / Fissure			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 29.9 %			
82015H-46	215084501-46	No	NAD
Location: LGI - 1964 - Ceiling Tile - 1 x 1 Pin / Fissure - Mastic			(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Dark Brown, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 35 %			

AmeriSci Job #: **215084501**

Client Name: Gheen Engineering, PLLC

Page 9 of 9

PLM Bulk Asbestos Report

15S-031; Marcellus CSD Main; High School

Reporting Notes:

(1) Sample prepared for analysis by ELAP 198.6 method

Analyzed by: Karol H. Lu 

*NAD/NSD =no asbestos detected; NA =not analyzed; NA/PS=not analyzed/positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP 200546-0), ELAP PLM Method 198.1 for NY friable samples, which includes the identification and quantitation of vermiculite or 198.6 for NOB samples or EPA 400 pt ct by EPA 600/M4-82-020 (NY ELAP Lab 11480); Note:PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos-containing in NY State (also see EPA Advisory for floor tile, FR 59,146,38970,8/1/94) National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the lab.This PLM report relates ONLY to the items tested. AIHA-LAP, LLC Lab ID 102843, RI Cert AAL-094, CT Cert PH-0186, Mass Cert AA000054.

Reviewed By: _____ END OF REPORT _____

Table I
Summary of Bulk Asbestos Analysis Results
 15S-031; Marcellus CSD Main; High School

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	82015H-01		0.255	31.0	27.5	30.5	Chrysotile 11.1	NA
Location: Library Kitchen - 1964 - Sink Undercoat - Lavender								
02	82015H-02		0.310	52.9	1.9	45.2	NAD	NAD
Location: Room 101 - 1964 - Ceiling Tile - 1 x 1 Pin / Fissure - Mastic								
03	82015H-03		0.422	10.2	63.5	26.3	NAD	NAD
Location: Room 101 - 1964 - Ceiling Tile - 1 x 1 Pin / Fissure								
04	82015H-04		----	----	----	----	NAD	NA
Location: Room 101 - 1964 - Sheetrock Backer Board								
05	82015H-05		0.397	48.9	20.4	18.4	Chrysotile 12.3	NA
Location: Room 103 - 1964 - Sink Undercoat - Black								
06	82015H-06		0.390	37.2	60.5	2.3	NAD	NAD
Location: Room 103 - 1964 - Cove Base - 4" Tan								
07	82015H-07		0.348	47.4	5.5	47.1	NAD	NAD
Location: Room 103 - 1964 - Cove Base Mastic								
08	82015H-08		0.272	43.0	52.6	4.4	NAD	NAD
Location: Library Kitchen - 1964 - Cove Base - 4" Black								
09	82015H-09		0.366	39.1	15.0	45.9	NAD	NAD
Location: Library Kitchen - 1964 - Cove Base Mastic								
10	82015H-10		0.216	35.2	63.9	0.9	NAD	NAD
Location: Room 107 - 1964 - Cove Base - 4" Tan								
11	82015H-11		0.422	28.2	55.7	14.4	Chrysotile 1.6	NA
Location: Mens Toilet Room Next To Auditorium - 1977 - Floor Tile - 12 x 12 Tan/Brown Specks								
12	82015H-12		0.531	35.0	18.3	46.7	NAD	NAD
Location: Mens Toilet Room Next To Auditorium - 1977 - Floor Tile - 12 x 12 Mastic								
13	82015H-13		0.262	37.8	58.8	3.4	NAD	NAD
Location: Mens Toilet Room Next To Auditorium - 1977 - Cove Base - 4" Brown								
14	82015H-14		0.389	49.1	8.5	42.4	NAD	NAD
Location: Mens Toilet Room Next To Auditorium - 1977 - Cove Base - Mastic								
15	82015H-15		0.241	30.3	63.1	6.4	Chrysotile <0.25	Chrysotile <1.0
Location: Ladies Toilet Room Next To Auditorium - 1977 - Floor Tile - 12 x 12 Tan/Brown Specks								
16	82015H-16		0.314	45.5	8.6	45.9	NAD	NAD
Location: Ladies Toilet Room Next To Auditorium - 1977 - Floor Tile - 12 x 12 Tan/Brown Specks - Mastic								

Table I
Summary of Bulk Asbestos Analysis Results
 15S-031; Marcellus CSD Main; High School

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
17	82015H-17		0.358	26.8	49.4	23.7	NAD	NAD
	Location: Ladies Toilet Room Next To Auditorium - 1977 - Cove Base - 4" Brown							
18	82015H-18		0.577	53.0	0.5	46.4	NAD	NAD
	Location: Ladies Toilet Room Next To Auditorium - 1977 - Cove Base - Mastic							
19	82015H-19		----	----	----	----	NAD	NA
	Location: Mens Toilet Room Next To Auditorium - 1977 - Ceramic Wall Tile - Grout							
20	82015H-20		0.256	38.7	19.5	41.8	NAD	NAD
	Location: Mens Toilet Room Next To Auditorium - 1977 - Ceramic Wall Tile - Mastic							
21	82015H-21		----	----	----	----	NAD	NA
	Location: Mens Toilet Room Next To Auditorium - 1977 - Sheetrock							
22	82015H-22		----	----	----	----	NAD	NA
	Location: Mens Toilet Room Next To Auditorium - 1977 - Taping Compound							
23	82015H-23		----	----	----	----	NAD	NA
	Location: Ladies Toilet Room Next To Auditorium - 1977 - Ceramic Wall Tile - Grout							
24	82015H-24		0.230	33.5	30.0	36.5	NAD	NAD
	Location: Ladies Toilet Room Next To Auditorium - 1977 - Ceramic Wall Tile - Mastic							
25	82015H-25		----	----	----	----	NAD	NA
	Location: Ladies Toilet Room Next To Auditorium - 1977 - Sheetrock							
26	82015H-26		----	----	----	----	NAD	NA
	Location: Ladies Toilet Room Next To Auditorium - 1977 - Taping Compound							
27	82015H-27		----	----	----	----	NAD	NA
	Location: Storage Room Next To Stage - 1977 - Fitting Insulation							
28	82015H-28		0.217	28.1	18.4	53.5	NAD	NAD
	Location: Room 106 - Ceiling Tile - Common - 2 x 2 Pin							
29	82015H-29		0.379	28.0	20.6	51.5	NAD	NAD
	Location: Room 104 - Ceiling Tile - Common - 2 x 2 Pin							
30	82015H-30		0.240	19.6	42.1	38.3	NAD	NAD
	Location: Nurses Suite - 1964 - Sink Undercoat - White							
31	82015H-31		0.396	27.8	66.7	5.6	NAD	NAD
	Location: Life Skills - 1964 - Cove Base - 4" Brown							
32	82015H-32		0.255	12.9	65.5	21.6	NAD	NAD
	Location: Corridor Next To Life Skills - 1964 - Ceiling Tile - 1 x 1 Fissure							


See Reporting notes on last page

Table I
Summary of Bulk Asbestos Analysis Results
 15S-031; Marcellus CSD Main; High School

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
33	82015H-33		0.223	59.2	38.1	2.7	NAD	NAD
Location: Art - 1964 - Cove Base - 4" Brown								
34	82015H-34		----	----	----	----	Chrysotile 23.5	NA
Location: Art - 1964 - Lab Table Top								
35	82015H-35		----	----	----	----	Chrysotile 19.0	NA
Location: Art - 1964 - Lab Table Top								
36	82015H-36		----	----	----	----	NAD	NA
Location: Boiler Room - Boiler # 1 - 1964 - Boiler Gasket								
37	82015H-37		----	----	----	----	NAD	NA
Location: Boiler Room - Boiler # 1 - 1964 - Breeching Insulation								
38	82015H-38		----	----	----	----	NAD	NA
Location: Boiler Room - Boiler # 2 - 1964 - Breeching Insulation								
39	82015H-39		----	----	----	----	NAD	NA
Location: Boiler Room - Boiler # 3 - 1964 - Breeching Insulation								
40	82015H-40		----	----	----	----	NAD	NA
Location: Boiler Room - Boiler # 3 - 1964 - Boiler Gasket								
41	82015H-41		----	----	----	----	NAD	NA
Location: Girls Locker Room - 1964 - Quarry Tile - Grout								
42	82015H-42		----	----	----	----	NAD	NA
Location: Girls Locker Room - 1964 - Quarry Tile - Thinset								
43	82015H-43		0.204	27.0	25.0	48.0	NAD	NAD
Location: LGI - 1964 - Ceiling Tile - 2 x 2 Pin / Fissure								
44	82015H-44		0.201	26.4	36.8	36.8	NAD	NAD
Location: LGI - 1964 - Ceiling Tile - 2 x 2 Pin / Fissure								
45	82015H-45		0.358	10.6	59.5	29.9	NAD	NAD
Location: LGI - 1964 - Ceiling Tile - 1 x 1 Pin / Fissure								
46	82015H-46		0.434	51.8	13.1	35.0	NAD	NAD
Location: LGI - 1964 - Ceiling Tile - 1 x 1 Pin / Fissure - Mastic								

Table I
Summary of Bulk Asbestos Analysis Results
15S-031; Marcellus CSD Main; High School

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
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Analyzed by: Marik Peysakhov ; Date Analyzed 8/31/2015

**Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis - PLM by EPA 600/M4-82-020 per 40 CFR or ELAP 198.1 for New York friable samples or ELAP 198.6 for New York NOB samples; TEM (Semi/Full) by EPA 600/R-93/116 (not covered by NVLAP Bulk accreditation) or ELAP 198.4; for New York samples; NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses); NVLAP 200546-0, NYSDOH ELAP Lab 11480, AIHA Lab 102843.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogenous materials).

Reviewed By: _____

Gheen Environmental Services, LLC44 Glenridge Rd.
Whitesboro, NY 13492Phone: 315.520-4692
Fax: 315.362.9583**SAMPLE CHAIN OF CUSTODY FORM****PROJECT NAME:** Marcellus CSD Main**BUILDING:** High School**PROJECT #:** 15S-031**DATE:** 8/20/2015

SAMPLE NUMBER	HM	MATERIAL	SAMPLE LOCATION	VINTAGE
82015H- 01		Sink Undercoat - Lavender	Library Kitchen	1964
82015H- 02		Ceiling Tile - 1x1 Pin/Fissure - Mastic	Room 101	1964
82015H- 03		Ceiling Tile - 1x1 Pin/Fissure	Room 101	1964
82015H- 04		Sheet Rock Backer Board	Room 101	1964
82015H- 05		Sink Undercoat - Black	Room 103	1964
82015H- 06		Cove Base - 4" Tan	Room 103	1964
82015H- 07		Cove Base Mastic	Room 103	1964
82015H- 08		Cove Base - 4" Black	Library Kitchen	1964
82015H- 09		Cove Base Mastic	Library Kitchen	1964
82015H- 10		Cove Base - 4" Tan	Room 107	1964
82015H- 11		Floor Tile - 12x12 Tan/Brown Specks	Mens Toilet Room next to Auditorium	1977
82015H- 12		Floor Tile - 12x12 Mastic	Mens Toilet Room next to Auditorium	1977
82015H- 13		Cove Base - 4" Brown	Mens Toilet Room next to Auditorium	1977
82015H- 14		Cove Base - Mastic	Mens Toilet Room next to Auditorium	1977
82015H- 15		Floor Tile - 12x12 Tan/Brown Specks	Ladies Toilet Room next to Auditorium	1977

CHAIN OF CUSTODY

COLLECTED BY: Stephen Gheen	DATE: 8/21/2015	# OF SAMPLES: 15 This Page
RECEIVED BY: <i>[Signature]</i>	DATE: 8/25/15	# OF SAMPLES:

ANALYSIS

REFERENCE METHOD	METHOD DESCRIPTION
NYS ELAP	NOB & Ceiling Tile with Cellulose-198.6/198.4 (Confirmation Only); All Others - 198.1

INSTRUCTIONS

#215084501

TURNAROUND:	CONTACT:	FAX:	EMAIL:
5 Day	Sandra Gheen Stephen Gheen	315.362.9583	Sandra.Gheen@GheenEnv.com Stephen.Gheen@GheenEng.com

Gheen Environmental Services, LLC44 Glenridge Rd.
Whitesboro, NY 13492Phone: 315.520.4692
Fax: 315.362.9583**SAMPLE CHAIN OF CUSTODY FORM****PROJECT NAME:** Marcellus CSD Main**BUILDING:** High School**PROJECT #:** 15S-031**DATE:** 8/20/2015

SAMPLE NUMBER	HM	MATERIAL	SAMPLE LOCATION	VINTAGE
82015H- 16		Floor Tile - 12x12 Tan/Brown Specks - Mastic	Ladies Toilet Room next to Auditorium	1977
82015H- 17		Cove Base - 4" Brown	Ladies Toilet Room next to Auditorium	1977
82015H- 18		Cove Base - Mastic	Ladies Toilet Room next to Auditorium	1977
82015H- 19		Ceramic Wall Tile - Grout	Mens Toilet Room next to Auditorium	1977
82015H- 20		Ceramic Wall Tile - Mastic	Mens Toilet Room next to Auditorium	1977
82015H- 21		Sheet Rock	Mens Toilet Room next to Auditorium	1977
82015H- 22		Taping Compound	Mens Toilet Room next to Auditorium	1977
82015H- 23		Ceramic Wall Tile - Grout	Ladies Toilet Room next to Auditorium	1977
82015H- 24		Ceramic Wall Tile - Mastic	Ladies Toilet Room next to Auditorium	1977
82015H- 25		Sheet Rock	Ladies Toilet Room next to Auditorium	1977
82015H- 26		Taping Compound	Ladies Toilet Room next to Auditorium	1977
82015H- 27		Fitting Insulation	Storage Room next to Stage	1977
82015H- 28		Ceiling Tile - 2x2 Pin	Room 106	Common
82015H- 29		Ceiling Tile - 2x2 Pin	Room 104	Common
82015H- 30		Sink Undercoat - White	Nurses Suite	1964

CHAIN OF CUSTODY

COLLECTED BY: Stephen Gheen	DATE: 8/21/2015	# OF SAMPLES: 15 This Page
RECEIVED BY: [Signature]	DATE: 8/25/15 [Signature]	# OF SAMPLES:

ANALYSIS

REFERENCE METHOD	METHOD DESCRIPTION
NYS ELAP	NOB & Ceiling Tile with Cellulose-198.6/198.4 (Confirmation Only); All Others - 198.1

#215084501

INSTRUCTIONS

TURNAROUND:	CONTACT:	FAX:	EMAIL:
5 Day	Sandra Gheen	315.362.9583	Sandra.Gheen@GheenEnv.com
	Stephen Gheen		Stephen.Gheen@GheenEng.com

Gheen Environmental Services, LLC44 Glenridge Rd.
Whitesboro, NY 13492Phone: 315.520.4692
Fax: 315.362.9583**SAMPLE CHAIN OF CUSTODY FORM****PROJECT NAME:** Marcellus CSD Main**BUILDING:** High School**PROJECT #:** 15S-031**DATE:** 8/20/2015

SAMPLE NUMBER	HM	MATERIAL	SAMPLE LOCATION	VINTAGE
82015H- 31		Cove Base - 4" Brown	Life Skills	1964
82015H- 32		Ceiling Tile - 1x1 Fissure	Corridor Next to Life Skills	1964
82015H- 33		Cove Base - 4" Brown	Art	1964
82015H- 34		Lab Table Top	Art	1964
82015H- 35		Lab Table Top	Art	1964
82015H- 36		Boiler Gasket	Boiler Room - Boiler #1	1964
82015H- 37		Breeching Insulation	Boiler Room - Boiler #1	1964
82015H- 38		Breeching Insulation	Boiler Room - Boiler #2	1964
82015H- 39		Breeching Insulation	Boiler Room - Boiler #3	1964
82015H- 40		Boiler Gasket	Boiler Room - Boiler #3	1964
82015H- 41		Quarry Tile - Grout	Girls Locker Room	1964
82015H- 42		Quarry Tile - Thinset	Girls Locker Room	1964
82015H- 43		Ceiling Tile - 2x2 Pin/Fissure	LGI	1964
82015H- 44		Ceiling Tile - 2x2 Pin/Fissure	LGI	1964
82015H- 45		Ceiling Tile - 1x1 Pin/Fissure	LGI	1964

CHAIN OF CUSTODY

COLLECTED BY: Stephen Gheen	DATE: 8/21/2015	# OF SAMPLES: 15 This Page
RECEIVED BY: <i>[Signature]</i>	DATE: 8/25/15	# OF SAMPLES:

ANALYSIS

REFERENCE METHOD	METHOD DESCRIPTION
NYS ELAP	NOB & Ceiling Tile with Cellulose-198.6/198.4 (Confirmation Only); All Others - 198.1

INSTRUCTIONS

#215084501

TURNAROUND:	CONTACT:	FAX:	EMAIL:
5 Day	Sandra Gheen	315.362.9583	Sandra.Gheen@GheenEnv.com
	Stephen Gheen		Stephen.Gheen@GheenEng.com

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Fax: 315.362.9583

DATE: 8/20/2015

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	Stephen Gheen		Stephen.Gheen@GheenEng.com

FAX

Date: 09/08/2015**Pages including cover sheet:** 10

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NOTE:

Emailing: 215091290E.pdf High School

Please Reply To:



AmeriSci New York

117 EAST 30TH ST.

NEW YORK, NY 10016

TEL: (212) 679-8600 • FAX: (212) 679-3114

FACSIMILE TELECOPY TRANSMISSION

To: Stephen Gheen
Gheen Engineering, PLLC
Fax #: (315) 362-9583

Email: stephen.gheen@gheeneng.com

From: Ella Babayeva
AmeriSci Job #: 215091290
Subject: ELAP-PLM/TEM 5 day Results
Client Project: 15S-031; Marcellus CSD; High School

Date: Tuesday, September 08, 2015
Time: 19:48:03

Number of Pages: 9
(including cover sheet)

Comments:

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PLM Bulk Asbestos ReportGheen Engineering, PLLC
Attn: Stephen Gheen
44 Glenridge Road

Whitesboro, NY 13492

Date Received 09/02/15 **AmeriSci Job #** 215091290
Date Examined 09/08/15 **P.O. #**
ELAP # 11480 **Page** 1 **of** 4
RE: 15S-031; Marcellus CSD; High School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
82615H-01 Location: Room 204 - Chalk Board Mastic Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 4.0 % Other Material: Non-fibrous 31.4 %	215091290-01	Yes	4 % (by NYS ELAP 198.6) by Ella Babayeva on 09/08/15
82615H-02 Location: Room 204 - Chalk Board Mastic Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 4.9 % Other Material: Non-fibrous 31.7 %	215091290-02	Yes	4.9 % (by NYS ELAP 198.6) by Ella Babayeva on 09/08/15
82615H-03 Location: Room 322 - Chalk Board Mastic Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 4.9 % Other Material: Non-fibrous 29.6 %	215091290-03	Yes	4.9 % (by NYS ELAP 198.6) by Ella Babayeva on 09/08/15
82615H-04 Location: Room 322 - Chalk Board Mastic Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 4.5 % Other Material: Non-fibrous 28.2 %	215091290-04	Yes	4.5 % (by NYS ELAP 198.6) by Ella Babayeva on 09/08/15
82615H-05 Location: Corridor Next To Room 321 - Terrazzo Analyst Description: OffWhite/Grey, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %	215091290-05	No	NAD (by NYS ELAP 198.1) by Ella Babayeva on 09/08/15

AmeriSci Job #: **215091290**

Client Name: Gheen Engineering, PLLC

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PLM Bulk Asbestos Report

15S-031; Marcellus CSD; High School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
82615H-06	215091290-06	No	NAD
Location: Corridor Next To Room 321 - Ceramic Wall Tile - Grout			(by NYS ELAP 198.1) by Ella Babayeva on 09/08/15
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
82615H-07	215091290-07	No	NAD
Location: Corridor Next To Room 309 - Ceramic Wall Tile - Grout			(by NYS ELAP 198.1) by Ella Babayeva on 09/08/15
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
82615H-08	215091290-08	No	NAD
Location: Entry Between Gym And Weight Room - Ceiling Tile - Tectum			(by NYS ELAP 198.6) by Ella Babayeva on 09/08/15
Analyst Description: Yellow/White, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 17 %			
82615H-09	215091290-09	No	NAD
Location: Fan Rom - Duct Pin Mastic			(by NYS ELAP 198.6) by Ella Babayeva on 09/08/15
Analyst Description: Tan/Brown, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 0.6 %			
82615H-10	215091290-10	No	NAD
Location: Fan Rom - Vibration Isolation Cloth			(by NYS ELAP 198.1) by Ella Babayeva on 09/08/15
Analyst Description: White/Tan, Homogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Fibrous glass 95 %, Non-fibrous 5 %			
82615H-11	215091290-11	No	NAD
Location: Fan Rom - Vibration Isolation Cloth			(by NYS ELAP 198.1) by Ella Babayeva on 09/08/15
Analyst Description: White/Tan, Homogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Fibrous glass 90 %, Non-fibrous 10 %			

AmeriSci Job #: **215091290**

Client Name: Gheen Engineering, PLLC

Page 3 of 4

PLM Bulk Asbestos Report

15S-031; Marcellus CSD; High School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
82615H-12 Location: Corridor Next To Gym - Terrazzo Analyst Description: OffWhite/Grey, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %	215091290-12	No	NAD (by NYS ELAP 198.1) by Ella Babayeva on 09/08/15
82615H-13 Location: Exit Doors - Window Glazing Sealant Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 36.3 %	215091290-13	No	NAD (by NYS ELAP 198.6) by Ella Babayeva on 09/08/15
82615H-14 Location: Exit Doors - Door Caulk Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 34.3 %	215091290-14	No	NAD (by NYS ELAP 198.6) by Ella Babayeva on 09/08/15
82615H-15 Location: Exit Doors - Window Glazing Sealant Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 36.5 %	215091290-15	No	NAD (by NYS ELAP 198.6) by Ella Babayeva on 09/08/15
82615H-16 Location: Exit Doors - Door Caulk Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 33.8 %	215091290-16	No	NAD (by NYS ELAP 198.6) by Ella Babayeva on 09/08/15
82615H-17 Location: Band Office - Ceiling Tile - 2 X 2 Tegular Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 25 %	215091290-17	No	NAD (by NYS ELAP 198.6) by Ella Babayeva on 09/08/15

AmeriSci Job #: 215091290

Client Name: Gheen Engineering, PLLC

Page 4 of 4

PLM Bulk Asbestos Report

15S-031; Marcellus CSD; High School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
82615H-18	215091290-18	No	NAD
Location: Corridor Next To Stage Entrance - Ceiling Tile - 2 X 2 Tegular			(by NYS ELAP 198.6) by Ella Babayeva on 09/08/15
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 26.2 %			
82615H-19	215091290-19	No	NAD ¹
Location: Stage - Vermiculite "Attic fill, block fill or other loose bulk Vermiculite materials must be designated and treated as ACM per NYSDOH Guidance Letter 7/09/13."			(by NYS ELAP 198.1) by Ella Babayeva on 09/08/15
Analyst Description: Gold, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous Trace, Vermiculite 100 %			
82615H-20	215091290-20	No	NAD
Location: Corridor Next To Auditorium - Ceiling Tile 2 X 2 Pin			(by NYS ELAP 198.6) by Ella Babayeva on 09/08/15
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Non-fibrous 29.8 %			
82615H-21	215091290-21	No	NAD
Location: Storage Room Next To Stage - Fitting Insulation			(by NYS ELAP 198.1) by Ella Babayeva on 09/08/15
Analyst Description: Grey, Homogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Fibrous glass 45 %, Non-fibrous 55 %			

Reporting Notes:

(1) Attic fill, block fill or other loose bulk Vermiculite materials must be designated and treated as ACM per NYSDOH Guidance Letter 7/09/13.

Analyzed by: Ella Babayeva *Ella Babayeva*

*NAD/NSD =no asbestos detected; NA =not analyzed; NA/PS=not analyzed/positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP 200546-0), ELAP PLM Method 198.1 for NY friable samples, which includes the identification and quantitation of vermiculite or 198.6 for NOB samples or EPA 400 pt ct by EPA 600/M4-82-020 (NY ELAP Lab 11480); Note:PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos-containing in NY State (also see EPA Advisory for floor tile, FR 59,146,38970,8/1/94) National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the lab.This PLM report relates ONLY to the items tested. AIHA-LAP, LLC Lab ID 102843, RI Cert AAL-094, CT Cert PH-0186, Mass Cert AA000054.

Reviewed By: _____ END OF REPORT _____

Table I
Summary of Bulk Asbestos Analysis Results
 15S-031; Marcellus CSD; High School

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	82615H-01		0.257	56.8	7.8	31.4	Chrysotile 4.0	NA
Location: Room 204 - Chalk Board Mastic								
02	82615H-02		0.306	58.2	5.2	31.7	Chrysotile 4.9	NA
Location: Room 204 - Chalk Board Mastic								
03	82615H-03		0.362	57.7	7.7	29.6	Chrysotile 4.9	NA
Location: Room 322 - Chalk Board Mastic								
04	82615H-04		0.220	56.4	10.9	28.2	Chrysotile 4.5	NA
Location: Room 322 - Chalk Board Mastic								
05	82615H-05		----	----	----	----	NAD	NA
Location: Corridor Next To Room 321 - Terrazzo								
06	82615H-06		----	----	----	----	NAD	NA
Location: Corridor Next To Room 321 - Ceramic Wall Tile - Grout								
07	82615H-07		----	----	----	----	NAD	NA
Location: Corridor Next To Room 309 - Ceramic Wall Tile - Grout								
08	82615H-08		0.165	78.2	4.8	17.0	NAD	NAD
Location: Entry Between Gym And Weight Room - Ceiling Tile - Tectum								
09	82615H-09		0.166	88.0	11.4	0.6	NAD	NAD
Location: Fan Rom - Duct Pin Mastic								
10	82615H-10		----	----	----	----	NAD	NA
Location: Fan Rom - Vibration Isolation Cloth								
11	82615H-11		----	----	----	----	NAD	NA
Location: Fan Rom - Vibration Isolation Cloth								
12	82615H-12		----	----	----	----	NAD	NA
Location: Corridor Next To Gym - Terrazzo								
13	82615H-13		0.226	54.9	8.8	34.5	NAD	Chrysotile 1.8
Location: Exit Doors - Window Glazing Sealant								
14	82615H-14		0.242	57.0	8.7	34.3	NAD	NAD
Location: Exit Doors - Door Caulk								
15	82615H-15		0.233	47.6	15.9	34.7	NAD	Chrysotile 1.8
Location: Exit Doors - Window Glazing Sealant								
16	82615H-16		0.201	56.2	10.0	33.8	NAD	NAD
Location: Exit Doors - Door Caulk								

Table I
Summary of Bulk Asbestos Analysis Results
 15S-031; Marcellus CSD; High School

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
17	82615H-17		0.228	12.3	62.7	25.0	NAD	NAD
Location: Band Office - Ceiling Tile - 2 X 2 Tegular								
18	82615H-18		0.267	16.5	57.3	26.2	NAD	NAD
Location: Corridor Next To Stage Entrance - Ceiling Tile - 2 X 2 Tegular								
19	82615H-19		---	---	---	---	NAD	NA
Location: Stage - Vermiculite "Attic fill, block fill or other loose bulk Vermiculite materials must be designated and treated as ACM per NYSDOH Guidance Letter 7/09/13."								
20	82615H-20		0.265	27.5	42.6	29.8	NAD	NAD
Location: Corridor Next To Auditorium - Ceiling Tile 2 X 2 Pin								
21	82615H-21		---	---	---	---	NAD	NA
Location: Storage Room Next To Stage - Fitting Insulation								

Analyzed by: Marik Peysakhov _____; Date Analyzed 9/8/2015

**Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis - PLM by EPA 600/M4-82-020 per 40 CFR or ELAP 198.1 for New York friable samples or ELAP 198.6 for New York NOB samples; TEM (Semi/Full) by EPA 600/R-93/116 (not covered by NVLAP Bulk accreditation) or ELAP 198.4; for New York samples; NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses); NVLAP 200546-0, NYSDOH ELAP Lab 11480, AIHA Lab 102843.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogeneous materials).

Reviewed By: _____

#215091290

Pg 1 of 2

Gheen Environmental Services, LLC

44 Glenridge Rd.
Whitesboro, NY 13492Phone: 315.520-4692
Fax: 315.362.9583

SAMPLE CHAIN OF CUSTODY FORM

PROJECT NAME: Marcellus CSD

BUILDING: High School

PROJECT #: 1SS-031

DATE: 8/26/2015

SAMPLE NUMBER	HM	MATERIAL	SAMPLE LOCATION	VINTAGE
82615H- 01		Chalk Board Mastic	Room 204	1964
82615H- 02		Chalk Board Mastic	Room 204	1964
82615H- 03		Chalk Board Mastic	Room 322	1969
82615H- 04		Chalk Board Mastic	Room 322	1969
82615H- 05		Terazzo	Corridor Next to Room 321	1969
82615H- 06		Ceramic Wall Tile - Grout	Corridor Next to Room 321	1969
82615H- 07		Ceramic Wall Tile - Grout	Corridor Next to Room 309	1969
82615H- 08		Ceiling Tile - Tectum	Entry Between Gym and Weight Room	1964
82615H- 09		Duct Pin Mastic	Fan Room	1964
82615H- 10		Vibration Isolation Cloth	Fan Room	1964
82615H- 11		Vibration Isolation Cloth	Fan Room	1964
82615H- 12		Terazzo	Corridor Next to Gym	1964
82615H- 13		Window Glazing Sealant	Exit Doors	1989
82615H- 14		Door Caulk	Exit Doors	1989
82615H- 15		Window Glazing Sealant	Exit Doors	1989

CHAIN OF CUSTODY

COLLECTED BY: Stephe Gheen	DATE: 8/27/2015	# OF SAMPLES: 15 This Page
RECEIVED BY: [Signature]	DATE: 9/2/15	# OF SAMPLES: 15

ANALYSIS

REFERENCE METHOD	METHOD DESCRIPTION
NYS ELAP	NOB & Ceiling Tile with Cellulose-198.6/198.4 (Confirmation Only); All Others - 198.1

INSTRUCTIONS

TURNAROUND:	CONTACT:	FAX:	EMAIL:
5 Day	Sandra Gheen	315.362.9583	Sandra.Gheen@GheenEnv.com
	Stephen Gheen		Stephen.Gheen@GheenEng.com

Gheen Environmental Services, LLC

**44 Glenridge Rd.
Whitesboro, NY 13492**

Phone: 315.520.4692
Fax: 315.362.9583

SAMPLE CHAIN OF CUSTODY FORM

PROJECT NAME: Marcellus CSD

PROJECT #: 15S-031

BUILDING: High School

DATE: 8/26/2015

[illegible]

CHAIN OF CUSTODY

COLLECTED BY: Stephen Gheen	DATE: 8/27/2015	# OF SAMPLES: 6 This Page
RECEIVED BY: [Signature]	DATE: 9/26/16	# OF SAMPLES: 16

ANALYSIS

REFERENCE METHOD	METHOD DESCRIPTION
NYS ELAP	NOB & Ceiling Tile with Cellulose-198.6/198.4 (Confirmation Only); All Others - 198.1

INSTRUCTIONS

TURNAROUND:	CONTACT:	FAX:	EMAIL:
5 Day	Sandra Gheen	315.362.9583	Sandra.Gheen@GheenEnv.com
	Stephen Gheen		Stephen.Gheen@GheenEng.com



PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Gheen Environmental Services, LLC.

Job No: 2869-16

Location: Marcellus CSD Main
High School

Page: 1 of 4

Sample Date: 4/4/2016

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	N O B	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non- Fibrous Matrix Material %
4416H-01	24010	Exterior Classroom 303	Gray Unit Ventilator Louver Caulk	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	None Detected	100%
4416H-02	24011	Exterior Biology 307	Gray Unit Ventilator Louver Caulk	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	None Detected	100%
4416H-03	24012	Exterior Classroom 317	White/Beige Window Caulk	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
4416H-04	24013	Exterior Classroom 317	White Sill Caulk	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
4416H-05	24014	Exterior Classroom 317	White Window Caulk	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
4416H-06	24015	Exterior Classroom 317	White Sill Caulk	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
4416H-07	24016	Exterior Music Instrumnet 160	White/Beige Window/Door Caulk	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
4416H-08	24017	Exterior Music Instrumnet 160	Gray Window/Door Caulk	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
4416H-09	24018	Entry Next to LGI 140	White/Beige Door Caulk	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
4416H-10	24019	Extry Next to LGI 140	Black Door Glazing Compound	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%



Lab Code 200530-0 for PLM Analysis

ELAP ID No.: 10958

KEY TO NOB COLUMN SYMBOLS

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

✓ NOB (non-friable organically bound) denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

✓ denotes material analyzed by ELAP Method 198.6 (PLM) per NYSDOH. This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

X denotes sample prepped only by ELAP Method 198.6.

** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") or EPA 600/M4-82-020 per 40 CFR 763 and/or EPA 600/R-93/116 (NVLAP Lab Code 2000530-0).

PLM Date Analyzed: 4/11/2016

TEM Date Analyzed: 4/12/2016

Microscope: Olympus BH-2 #232953

TEM Analyst: M. Lochner

Analyst: T. Bush

Laboratory Results Approved By:
Asbestos Operations Manager or Designee

Mary Dohr

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PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Gheen Environmental Services, LLC.

Job No: 2869-16

Location: Marcellus CSD Main

Page: 2 of 4

High School

Sample Date: 4/4/2016

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	N O B	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non- Fibrous Matrix Material %
4416H-11	24020	Entry Next to 60D	Black Door Caulk	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
4416H-12	24021	Entry Next to 60D	White/Beige Door Glazing Compound	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
4416H-14	24023	Entry Next to 60D	Gray Window Glazing Compound Above Door	Inconclusive Trace Chrysotile Detected	<1.0%	#	Trace Chrysotile <1.0%	<1.0%	None Detected	100%
4416H-15	24024	Entry Next to LGI 140	White Window Glazing Compound Above Door	Inconclusive No Asbestos Detected	0%	#	Trace Chrysotile <1.0%	<1.0%	None Detected	100%



Lab Code 200530-0 for PLM Analysis

ELAP ID No.: 10958

KEY TO NOB COLUMN SYMBOLS

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

✓ NOB (non-friable organically bound) denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

√ denotes material analyzed by ELAP Method 198.6 (PLM) per NYSDOH. This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

X denotes sample prepped only by ELAP Method 198.6.

** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples") or EPA 600/M4-82-020 per 40 CFR 763 and/or EPA 600/R-93/116 (NVLAP Lab Code 2000530-0).

PLM Date Analyzed: 4/11/2016

TEM Date Analyzed: 4/12/2016

Microscope: Olympus BH-2 #232953

TEM Analyst: M. Lochner

Analyst: T. Bush

Laboratory Results Approved By:
Asbestos Operations Manager or Designee

Mary Dohr

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2869-16
4/6/16
4B 1061

SAMPLE CHAIN OF CUSTODY FORM

PROJECT NAME: Marcellus CSD Main

BUILDING: High School

PROJECT #: 15S-031

DATE: 4/4/2016

SAMPLE NUMBER	HM	MATERIAL	SAMPLE LOCATION	VINTAGE
24010 4416H- 01		Unit Ventilator Louver Caulk	Exterior Classroom 303	1969
011 4416H- 02		Unit Ventilator Louver Caulk	Exterior Biology 307	1969
012 4416H- 03		Window Caulk	Exterior Classroom 317	1969
013 4416H- 04		Sill Caulk	Exterior Classroom 317	1969
014 4416H- 05		Window Caulk	Exterior Classroom 317	1969
015 4416H- 06		Sill Caulk	Exterior Classroom 317	1969
016 4416H- 07		Window/Door Caulk	Exterior Music Instrument 160	1989
017 4416H- 08		Window/Door Caulk	Exterior Music Instrument 160	1989
018 4416H- 09		Door Caulk	Entry Next to LGI 140	1964
019 4416H- 10		Door Glazing Compound	Entry Next to LGI 140	1964
020 4416H- 11		Door Caulk	Entry Next to 60D	1964
021 4416H- 12		Door Glazing Compound	Entry Next to 60D	1964
022 4416H- 13		VOID		
023 4416H- 14		Window Glazing Compound Above Door	Entry Next to 60D	1964
024 4416H- 15		Window Glazing Compound Above Door	Entry Next to LGI 140	1964

2869-16
4/6/16

CHAIN OF CUSTODY

COLLECTED BY: Sandra Gheen	DATE: 4/5/2016	# OF SAMPLES: 14 This Page
RECEIVED BY:	DATE:	# OF SAMPLES:

ANALYSIS

REFERENCE METHOD	METHOD DESCRIPTION
NYS ELAP	NOB & Ceiling Tile with Cellulose-198.6/198.4 (Confirmation Only); All Others - 198.1

INSTRUCTIONS

TURNAROUND:	CONTACT:	FAX:	EMAIL:
5 Day	Sandra Gheen Stephen Gheen	315.362.9583	Sandra.Gheen@GheenEnv.com Stephen.Gheen@GheenEng.com



PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Gheen Environmental Services, LLC.

Job No: 2967-16

Location: Marcellus Main
High School

Page: 1 of 2

Sample Date: 4/6/2016

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	N O B	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non- Fibrous Matrix Material %
4616H-01	24762	Lobby Next to LGI	Gray Slate Floor - Grout	None Detected	0%		Not Required	N/A	None Detected	100%
4616H-02	24763	Lobby Next to LGI	Gray Slate Floor - Thinset	None Detected	0%		Not Required	N/A	None Detected	100%
4616H-03	24764	Lobby Next to Cafeteria	Gray Slate Floor - Grout	None Detected	0%		Not Required	N/A	None Detected	100%
4616H-04	24765	Lobby Next to Cafeteria	Gray Slate Floor - Thinset	None Detected	0%		Not Required	N/A	None Detected	100%
4616H-05	24766	Stairway Next to 106	White Terrazzo Floor	None Detected	0%		Not Required	N/A	None Detected	100%



Lab Code 200530-0 for PLM Analysis

ELAP ID No.: 10958

KEY TO NOB COLUMN SYMBOLS

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

✓ NOB (non-friable organically bound) denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

√ denotes material analyzed by ELAP Method 198.6 (PLM) per NYSDOH. This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

X denotes sample prepped only by ELAP Method 198.6.

** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") or EPA 600/M4-82-020 per 40 CFR 763 and/or EPA 600/R-93/116 (NVLAP Lab Code 2000530-0).

PLM Date Analyzed: 4/11/2016

TEM Date Analyzed: N/A

Microscope: Olympus BH-2 #232953

TEM Analyst: N/A

Analyst: T. Bush

Laboratory Results Approved By:
Asbestos Operations Manager or Designee

Mary Dohr

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SAMPLE CHAIN OF CUSTODY FORM

PROJECT NAME: Marcellus Main

BUILDING: High School

PROJECT #: 15S-031

DATE: 4/6/2016

SAMPLE NUMBER	HM	MATERIAL	SAMPLE LOCATION	VINTAGE
24 762 4616H- 01		Slate Floor - Grout	Lobby Next to LGI	1964
763 4616H- 02		Slate Floor - Thickset	Lobby Next to LGI	1964
764 4616H- 03		Slate Floor - Grout	Lobby Next to Cafeteria	1964
765 4616H- 04		Slate Floor - Thickset	Lobby Next to Cafeteria	1964
766 4616H- 05		Terazzo	Stairway Next to 106	1964

CHAIN OF CUSTODY

COLLECTED BY:	Sandra Gheen	DATE: 4/6/2016	# OF SAMPLES: 5 This Page
RECEIVED BY:	KS	DATE: 4/8/16	# OF SAMPLES:

ANALYSIS

REFERENCE METHOD	METHOD DESCRIPTION
NYS ELAP	NOB & Ceiling Tile with Cellulose-198.6/198.4 (Confirmation Only); All Others - 198.1

INSTRUCTIONS

TURNAROUND:	CONTACT:	FAX:	EMAIL:
5 Day	Sandra Gheen Stephen Gheen	315.362.9583	Sandra.Gheen@GheenEnv.com Stephen.Gheen@GheenEng.com



PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Gheen Environmental Services, LLC

Job No: 2313-16

Location: Marcellus CSD
KCH Elementary

Page: 1 of 5

Sample Date: 3/14/2016

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non- Fibrous Matrix Material %
31416E-01	19210	Boiler Room Boiler 2	Tan Fibrous Boiler Jacket Insulation	None Detected	0%		Not Required	N/A	Fiberglass 100%	0%
31416E-02	19211	Boiler Room Boiler 1	Tan Fibrous Boiler Jacket Insulation	None Detected	0%		Not Required	N/A	Fiberglass 99% Cellulose <1.0%	1%
31416E-03	19212	Boiler Room Boiler 2	White Fibrous Boiler Section Insulation	None Detected	0%		Not Required	N/A	Mineral Wool 100%	0%
31416E-04	19213	Boiler Room Boiler 1	White Fibrous Boiler Section Insulation	None Detected	0%		Not Required	N/A	Mineral Wool 100%	0%
31416E-05	19214	Crawlspace	Black Foam Block Insulation	None Detected	0%		Not Required	N/A	None Detected	100%
31416E-06	19215	Crawlspace	Black Foam Block Mastic	Inconclusive Trace Chrysotile Detected	<1.0%	✓	Trace Chrysotile <1.0%	<1.0%	None Detected	100%
31416E-07	19216	Crawlspace	Black Foam Block Tar Paper	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
31416E-08	19217	Crawlspace	Black Foam Block Insulation	None Detected	0%		Not Required	N/A	None Detected	100%
31416E-09	19218	Crawlspace	Black Foam Block Mastic	Inconclusive Trace Chrysotile Detected	<1.0%	✓	Trace Chrysotile <1.0%	<1.0%	None Detected	100%
31416E-10	19219	Crawlspace	Black Foam Block Tar Paper	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%



Lab Code 200530-0 for PLM Analysis

ELAP ID No.: 10958

KEY TO NOB COLUMN SYMBOLS

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

✓ NOB (non-friable organically bound) denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

⋄ denotes material analyzed by ELAP Method 198.6 (PLM) per NYSDOH. This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

X denotes sample prepped only by ELAP Method 198.6.

** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") or EPA 600/M4-82-020 per 40 CFR 763 and/or EPA 600/R-93/116 (NVLAP Lab Code 2000530-0).

PLM Date Analyzed: 3/25/2016

TEM Date Analyzed: 3/25/2016

Microscope: Olympus BH-2 #232953

TEM Analyst: F. Weinman

Analyst: T. Bush

Laboratory Results Approved By:
Asbestos Operations Manager or Designee

Mary Doyle

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PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Gheen Environmental Services, LLC

Job No: 2313-16

Location: Marcellus CSD
KCH Elementary

Page: 2 of 5

Sample Date: 3/14/2016

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non- Fibrous Matrix Material %
31416E-11	19220	Crawlspace	Black Duct Insulation Paper Layer	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
31416E-12	19221	Crawlspace	Black Fibrous Duct Insulation Layer	None Detected	0%		Not Required	N/A	Mineral Wool 100%	0%
31416E-13	19222	Crawlspace	Black Fibrous Duct Insulation Seam Mastic	Chrysotile 12%	12%	✓	Not Required	N/A	None Detected	88%
31416E-14	19223	Crawlspace	Black Pipe Fitting Wrap	Chrysotile 8.6%	8.6%	✓	Not Required	N/A	None Detected	91.4%
31416E-15	19224	Crawlspace	Black Pipe Fitting Wrap	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%



Lab Code 200530-0 for PLM Analysis

ELAP ID No.: 10958

KEY TO NOB COLUMN SYMBOLS

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✓ NOB (non-friable organically bound) denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

⊘ denotes material analyzed by ELAP Method 198.6 (PLM) per NYSDOH. This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

X denotes sample prepped only by ELAP Method 198.6.

** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") or EPA 600/M4-82-020 per 40 CFR 763 and/or EPA 600/R-93/116 (NVLAP Lab Code 2000530-0).

PLM Date Analyzed: 3/25/2016

TEM Date Analyzed: 3/25/2016

Microscope: Olympus BH-2 #232953

TEM Analyst: F. Weinman

Analyst: T. Bush

Laboratory Results Approved By:
Asbestos Operations Manager or Designee

Mary Dohr

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PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Gheen Environmental Services, LLC

Job No: 2313-16

Location: Marcellus CSD
KCH Elementary

Page: 3 of 5

Sample Date: 3/14/2016

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non- Fibrous Matrix Material %
31416E-16	19225	Corridor at Classroom 026	Gray Fibrous 2'x2' Ceiling Tile T'egular Acoustic	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	Mineral Wool 15%	85%
31416E-17	19226	Stor 020	Gray Fibrous 2'x2' Ceiling Tile T'egular Rough	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	Mineral Wool 30%	70%
31416E-18	19227	Gym Stor 029	Gray Fibrous 2'x2' Ceiling Tile Divided T'egular Fissured	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	Mineral Wool 15%	85%
31416E-19	19228	Boiler Room Stairway	Gray Fibrous 2'x2' Ceiling Tile T'egular Rough	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	Mineral Wool 15%	85%
31416E-20	19229	Corridor at Classroom 037	Gray Fibrous 2'x4' Ceiling Tile T'egular Rough	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	Mineral Wool 20%	80%
31416E-21	19230	Corridor at Conference Room	Gray Fibrous 2'x4' Ceiling Tile T'egular Rough	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	Mineral Wool 20%	80%
31416E-22	19231	Corridor at Kitchen	Gray Fibrous 2'x2' Ceiling Tile T'egular Acoustic	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	Mineral Wool 15%	85%



Lab Code 200530-0 for PLM Analysis

ELAP ID No.: 10958

KEY TO NOB COLUMN SYMBOLS

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✓ NOB (non-friable organically bound) denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

√ denotes material analyzed by ELAP Method 198.6 (PLM) per NYSDOH. This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

X denotes sample prepped only by ELAP Method 198.6.

** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") or EPA 600/M4-82-020 per 40 CFR 763 and/or EPA 600/R-93/116 (NVLAP Lab Code 2000530-0).

PLM Date Analyzed: 3/25/2016

TEM Date Analyzed: 3/25/2016

Microscope: Olympus BH-2 #232953

TEM Analyst: F. Weinman

Analyst: T. Bush

Laboratory Results Approved By:
Asbestos Operations Manager or Designee

Mary Dohr

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SAMPLE CHAIN OF CUSTODY FORM

PROJECT NAME: Marcellus CSD
PROJECT #: _____

BUILDING: KCH Elementary
DATE: 3/14/2016 *Rd: 3/18/16 TB*

SAMPLE NUMBER	HM	MATERIAL	SAMPLE LOCATION	VINTAGE
31416E- 01		Boiler Jacket Insulation <i>X TBee 3/18</i>	Boiler Rm = Boiler 2 <i>19210</i>	Com
31416E- 02		Boiler Jacket Insulation	Boiler Rm = Boiler 1 <i>211</i>	Com
31416E- 03		Boiler Section Insulation	Boiler Rm = Boiler 2 <i>212</i>	Com
31416E- 04		Boiler Section Insulation	Boiler Rm = Boiler 1 <i>213</i>	Com
31416E- 05		Black Foam Block Insulation	Crawlspace <i>214</i>	Reno
31416E- 06		Black Foam Block Mastic	Crawlspace <i>215</i>	Reno
31416E- 07		Black Foam Block Tar Paper	Crawlspace <i>216.</i>	Reno
31416E- 08		Black Foam Block Insulation	Crawlspace <i>217</i>	Reno
31416E- 09		Black Foam Block Mastic	Crawlspace <i>218</i>	Reno
31416E- 10		Black Foam Block Tar Paper	Crawlspace <i>219</i>	Reno
31416E- 11		Black Duct Insulation - Paper Layer	Crawlspace <i>220</i>	1964
31416E- 12		Black Duct Insulation - Insulation Layer	Crawlspace <i>221</i>	1964
31416E- 13		Black Duct Insulation Seam Mastic	Crawlspace <i>222</i>	1964
31416E- 14		Black Pipe Fitting Wrap	Crawlspace <i>223</i>	1964
31416E- 15		Black Pipe Fitting Wrap	Crawlspace <i>224</i>	1964

CHAIN OF CUSTODY

COLLECTED BY: <u>Tim Thomas</u> <i>265</i>	DATE: <u>3/14/2016</u>	# OF SAMPLES: <u>15 This Page</u>
RECEIVED BY: <u>TB 3/18/16</u>	DATE: _____	# OF SAMPLES: _____

ANALYSIS

REFERENCE METHOD	METHOD DESCRIPTION
NYS ELAP	NOB & Ceiling Tile with Cellulose-198.6/198.4 (Confirmation Only); All Others - 198.1

INSTRUCTIONS

TURNAROUND:	CONTACT:	FAX:	EMAIL:
5 Day	Sandra Gheen	315.362.9583	Sandra.Gheen@GheenEnv.com
	Stephen Gheen		Stephen.Gheen@GheenEng.com



SAMPLE CHAIN OF CUSTODY FORM

PROJECT NAME: Marcellus CSD

BUILDING: KCH Elementary

PROJECT #: 0

DATE: 3/14/2016

2313-16
2 of 2
TBca 3/15
R'd = 3/18/16 TB

SAMPLE NUMBER	HM	MATERIAL	SAMPLE LOCATION	VINTAGE
31416E- 16		2x2 Ceiling Tile - Tegular Accoustic	Corridor at Clrm 026 19225	Com
31416E- 17		2x2 Ceiling Tile - Tegular Rough	Stor 020 226	Com
31416E- 18		2x2 Ceiling Tile - Divided Tegular Fissured	Gym Stor 029 227	Com
31416E- 19		2x2 Ceiling Tile - Tegular Rough	Boiler Rm Stairway 228	Com
31416E- 20		2x4 Ceiling Tile - Tegular Rough	Corridor at Clrm 037 229	Com
31416E- 21		2x4 Ceiling Tile - Tegular Rough	Corridor at Conference Rm 230	Com
31416E- 22		2x2 Ceiling Tile - Tegular Accoustic	Corridor at Kitchen 231	Com

CHAIN OF CUSTODY

COLLECTED BY: Tim Thomas	DATE: 3/14/2016	# OF SAMPLES: 7 This Page
RECEIVED BY: TB 3/18/16	DATE:	# OF SAMPLES:

ANALYSIS

REFERENCE METHOD	METHOD DESCRIPTION
NYS ELAP	NOB & Ceiling Tile with Cellulose-198.6/198.4 (Confirmation Only); All Others - 198.1

INSTRUCTIONS

TURNAROUND:	CONTACT:	FAX:	EMAIL:
5 Day	Sandra Gheen	315.362.9583	Sandra.Gheen@GheenEnv.com
	Stephen Gheen		Stephen.Gheen@GheenEng.com



PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Gheen Environmental Services, LLC

Job No: 2314-16

Location: Marcellus CSD
KCH Elementary

Page: 1 of 3

Sample Date: 3/15/2016

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	N O B	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non- Fibrous Matrix Material %
31516E-23	19232	Classroom 39	Tan 1'x1' Ceiling Tile Even Perf.	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	None Detected	100%
31516E-24	19233	Classroom 39	Gray Case Work Laminate Top	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
31516E-25	19234	Classroom 39	Black Case Work Laminate Top Mastic	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
31516E-26	19235	Main Office Toilet Room	Gray 2'x4' Ceiling Tile Plain Pin/Fissure	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	None Detected	100%
31516E-27	19236	Main Office Toilet Room	Gray 2'x4' Ceiling Tile Plain Pin/Fissure	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	None Detected	100%
31516E-28	19237	Main Office Toilet Room	White Joint Compound	None Detected	0%		Not Required	N/A	None Detected	100%
31516E-29	19238	Main Office Toilet Room	White Sheet Rock	None Detected	0%		Not Required	N/A	Cellulose 6% Fiberglass 2%	92%
31516E-30	19239	Main Office 056	White Joint Compound	None Detected	0%		Not Required	N/A	None Detected	100%
31516E-31	19240	Main Office 056	White Sheet Rock	None Detected	0%		Not Required	N/A	Cellulose 5% Fiberglass 2%	93%
31516E-32	19241	Nurse's Screening 41B	Gray 2'x4' Ceiling Tile Regular Pin/Punc	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	None Detected	100%



Lab Code 200530-0 for PLM Analysis

ELAP ID No.: 10958

KEY TO NOB COLUMN SYMBOLS

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denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

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PLM Date Analyzed: 3/24/2016

TEM Date Analyzed: 3/25/2016

Microscope: Olympus BH-2 #232953

TEM Analyst: F. Weinman

Analyst: T. Bush

Laboratory Results Approved By:
Asbestos Operations Manager or Designee

Mary Dohr

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PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Gheen Environmental Services, LLC

Job No: 2314-16

Location: Marcellus CSD
KCH Elementary

Page: 2 of 3

Sample Date: 3/15/2016

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non- Fibrous Matrix Material %
31516E-33	19242	Office 42A	Gray Fibrous 2'x4' Ceiling Tile Regular Pin/Punc	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	Mineral Wool 20%	80%
31516E-34	19243	Classroom 47	Gray Case Work Laminate Top	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
31516E-35	19244	Classroom 47	Brown Case Work Laminate Top Mastic	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
31516E-36	19245	Corridor Near Music 116	Gray Fibrous 1'x1' Ceiling Tile Fissured	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	Mineral Wool 25%	75%
31516E-37	19246	Gym Store 029	2 Gray Fibrous 'x2' Ceiling Tile Divided Regular Fissured	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	Mineral Wool 15%	85%



Lab Code 200530-0 for PLM Analysis

ELAP ID No.: 10958

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denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

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PLM Date Analyzed: 3/24/2016

TEM Date Analyzed: 3/25/2016

Microscope: Olympus BH-2 #232953

TEM Analyst: F. Weinman

Analyst: T. Bush

Laboratory Results Approved By:
Asbestos Operations Manager or Designee

Mary Dohr

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SAMPLE CHAIN OF CUSTODY FORM

PROJECT NAME: Marcellus CSD

BUILDING: KCH Elementary

PROJECT #:

DATE: 3/15/2016

2314-16

1061
3063

R'd: 3/18/16 TB

SAMPLE NUMBER	HM	MATERIAL	SAMPLE LOCATION	VINTAGE
31516E- 23		1x1 Ceiling Tile - Even Perf	Classroom 39	1953
31516E- 24		Casework Laminate Top	Classroom 39	1953
31516E- 25		Casework Laminate Top Mastic	Classroom 39	1953
31516E- 26		2x4 Ceiling Tile - Plain Pin/Fissure	Main Office Toilet Rm	Reno
31516E- 27		2x4 Ceiling Tile - Plain Pin/Fissure	Main Office Toilet Rm	Reno
31516E- 28		Joint Compound	Main Office Toilet Rm	Reno
31516E- 29		Sheetrock	Main Office Toilet Rm	Reno
31516E- 30		Joint Compound	Main Office 056	Reno
31516E- 31		Sheetrock	Main Office 056	Reno
31516E- 32		2x4 Ceiling Tile - Tegular Pin/Punc	Nurse's Screening 41B	Reno
31516E- 33		2x4 Ceiling Tile - Tegular Pin/Punc	Office 42A	Reno
31516E- 34		Casework Laminate Top	Classroom 47	1953
31516E- 35		Casework Laminate Top Mastic	Classroom 47	1953
31516E- 36		1x1 Ceiling Tile - Fissured	Corridor near Music 116	1964
31516E- 37		2x2 Ceiling Tile - Divided Tegular Fissured	Gym Stor 029	Comm

CHAIN OF CUSTODY

COLLECTED BY: Tim Thomas	DATE: 3/15/2016	# OF SAMPLES: 15
RECEIVED BY: TB 3/18/16	DATE:	# OF SAMPLES:

ANALYSIS

REFERENCE METHOD	METHOD DESCRIPTION
NYS ELAP	NOB & Ceiling Tile with Cellulose-198.6/198.4 (Confirmation Only); All Others - 198.1

INSTRUCTIONS

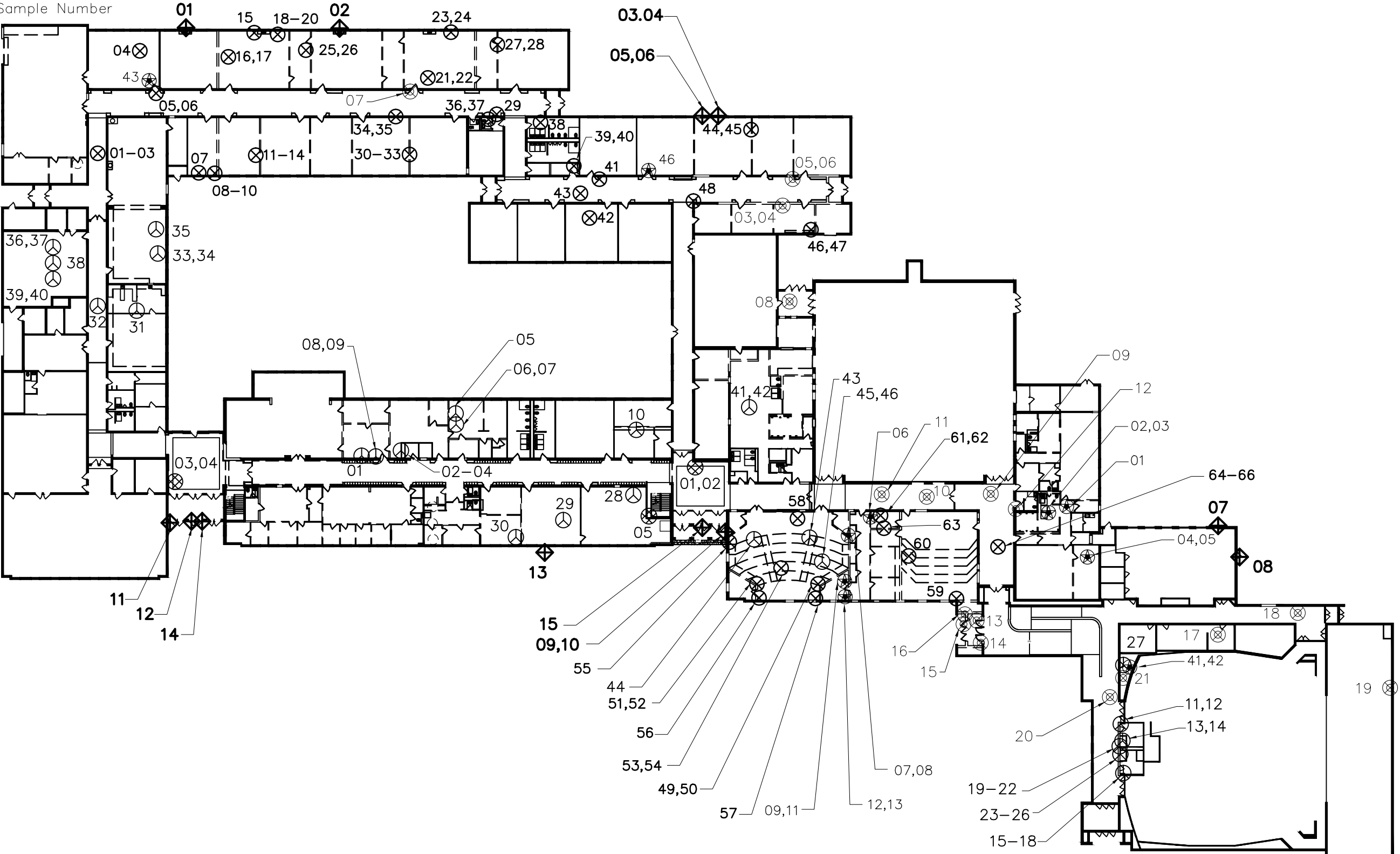
TURNAROUND:	CONTACT:	FAX:	EMAIL:
5 Day	Sandra Gheen	315.362.9583	Sandra.Gheen@GheenEnv.com
	Stephen Gheen		Stephen.Gheen@GheenEng.com

Appendix D

Sample Location/
ACM Location Drawings

LEGEND

- ⊗ Sample Locations Preceded by "81815L-"
- ⊗ Sample Locations Preceded by "81915L-"
- ⊗ Sample Locations Preceded by "82015L-"
- ⊗ Sample Locations Preceded by "82615H-"
- ⊗ Sample Locations Preceded by "4416H-"
- ⊗ Sample Locations Preceded by "4616H-"
- XX Sample Number



DRAWING NUMBER:

SLP-1

Project No.: 15S-031

Date: 4/19/2016

Drawn By: skg

Scale: NTS

Marcellus CSD

Marcellus High School

First Floor Sample Location Plans



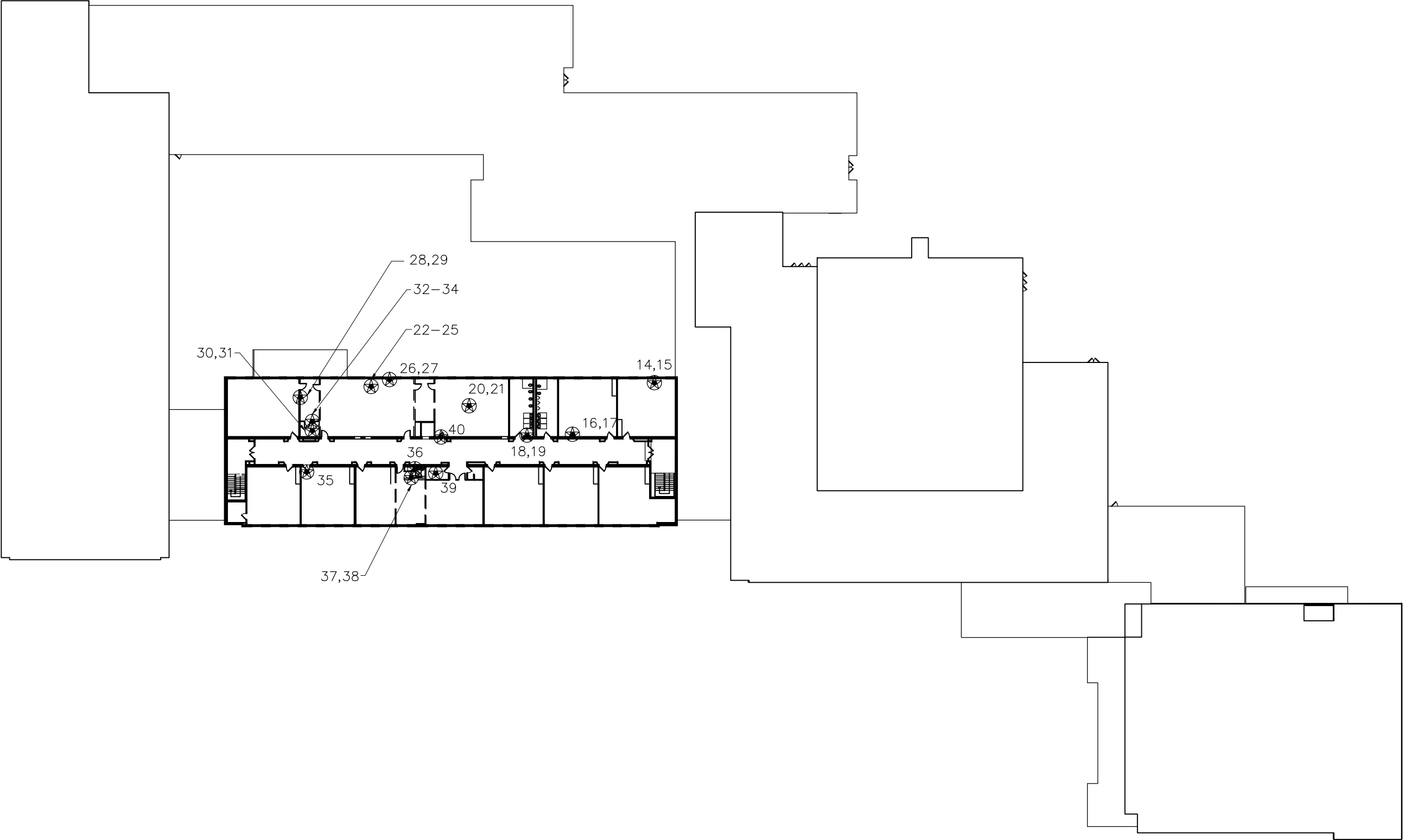
Gheen Environmental Services, LLC

44 Glenridge Road K \High\cfc NY 13492

Ph: 315.761.7800 Fax: 315.362.9583

LEGEND

- ⊗ Sample Locations Preceded by "81915L—"
 XX Sample Number



DRAWING NUMBER:

SLP-2

Project No.: 15S-031

Date: 4/19/2016

Drawn By: skg

Scale: NTS

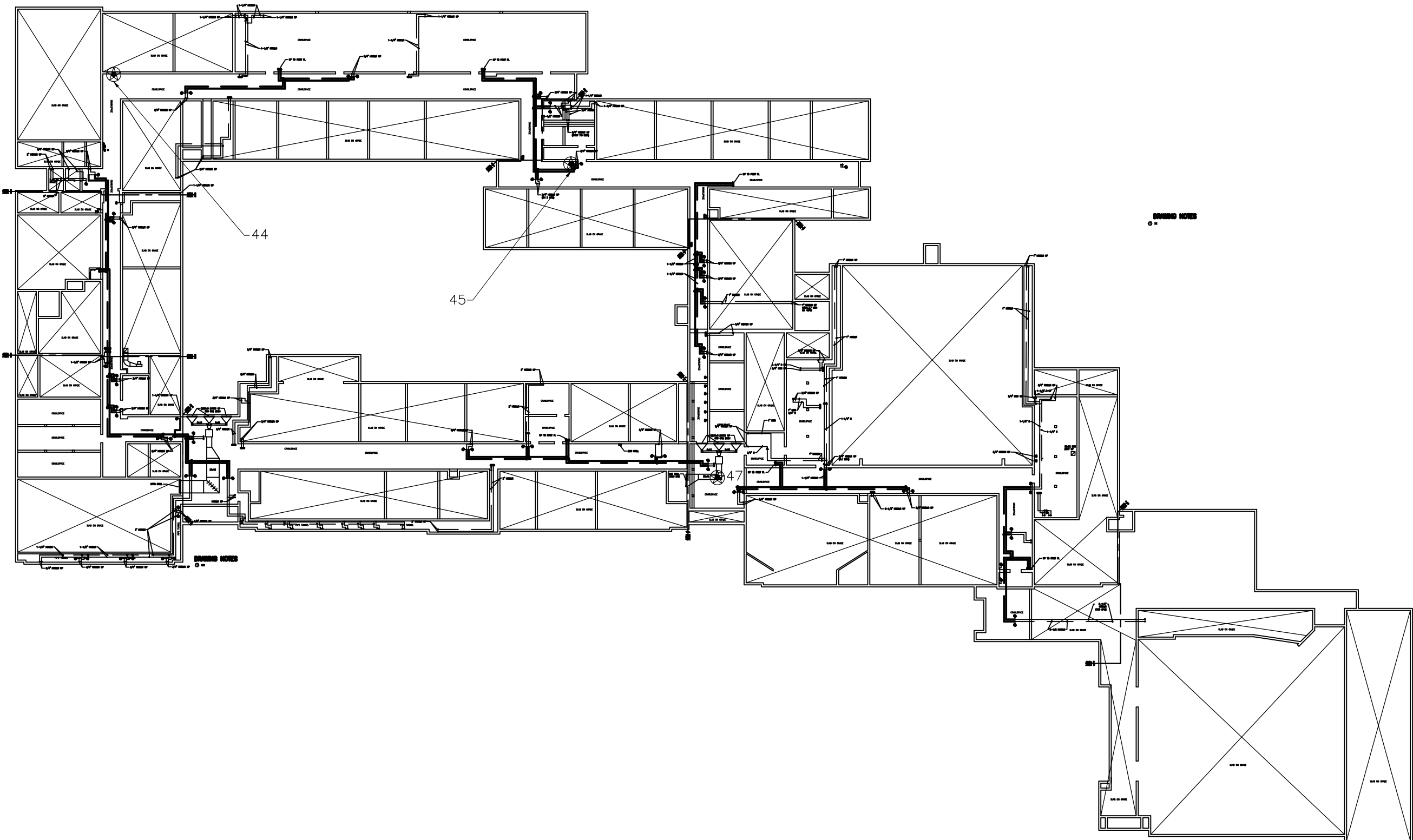
Marcellus CSD
Marcellus High School
Second Floor Sample Location Plans



Gheen Environmental Services, LLC
44 Glenridge Road
Ph: 315.761.7800
Fax: 315.362.9583
NY 13492

LEGEND

⊗ Sample Locations Preceded by "81915L—"
 XX Sample Number



DRAWING NUMBER:			
SLP-3			
Project No. : 15S-031	Date: 4/19/2016	Drawn By: skg	Scale: NTS

Marcellus CSD
Marcellus High School
Crawlspace Sample Location Plans

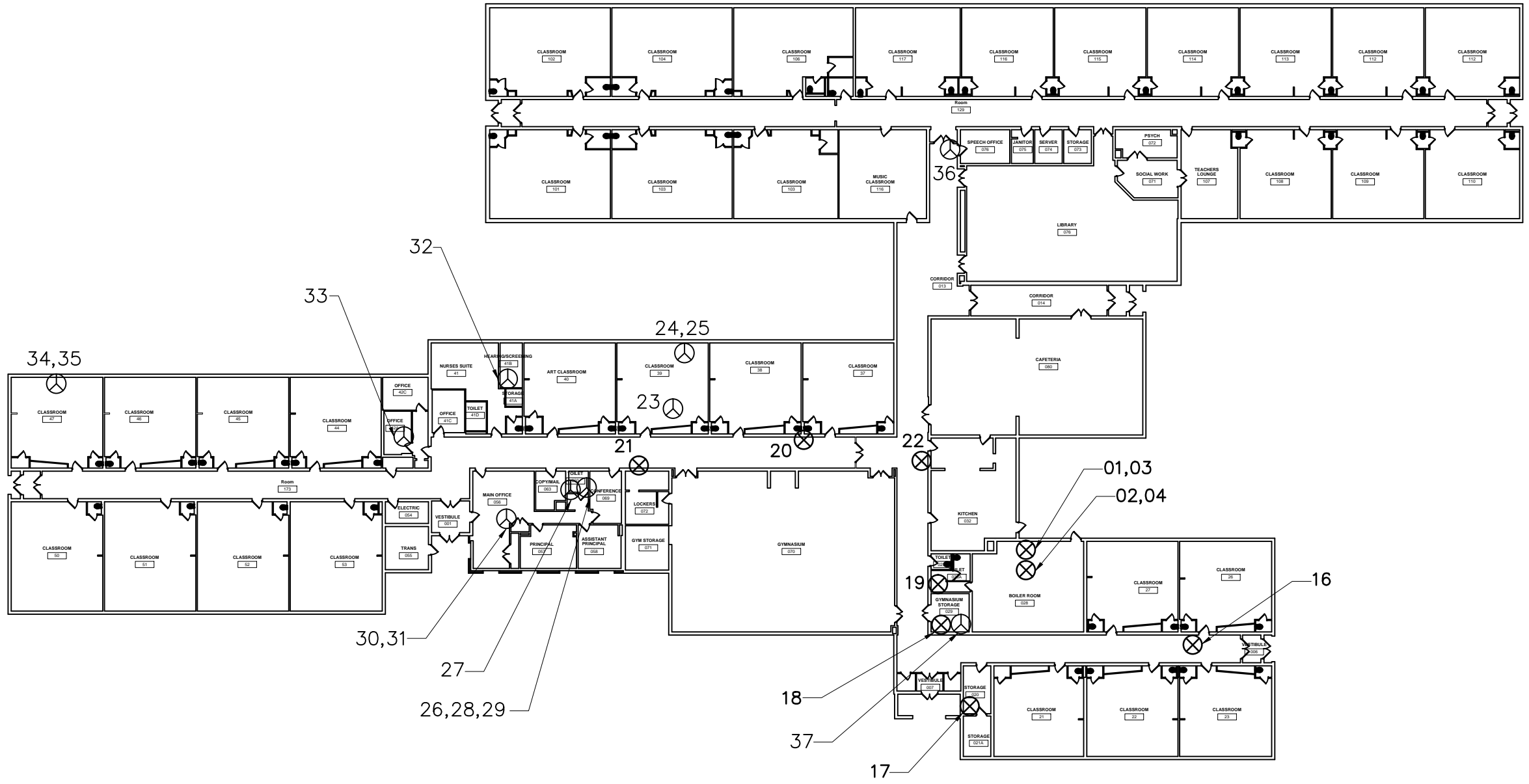


Gheen Environmental Services, LLC

44 Glenridge Road K \ Higley NY 13492
Ph: 315.761.7800 Fax: 315.362.9583

LEGEND

- ⊗ Sample Locations Preceded by "31416E-"
- ⊕ Sample Locations Preceded by "31516E-"
- XX Sample Number



DRAWING NUMBER:

SLP-1

Project No. : 15S-031	Date: 4/19/2016	Drawn By: skg	Scale: NTS
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Marcellus CSD
Marcellus Elementary School
First Floor Sample Location Plans



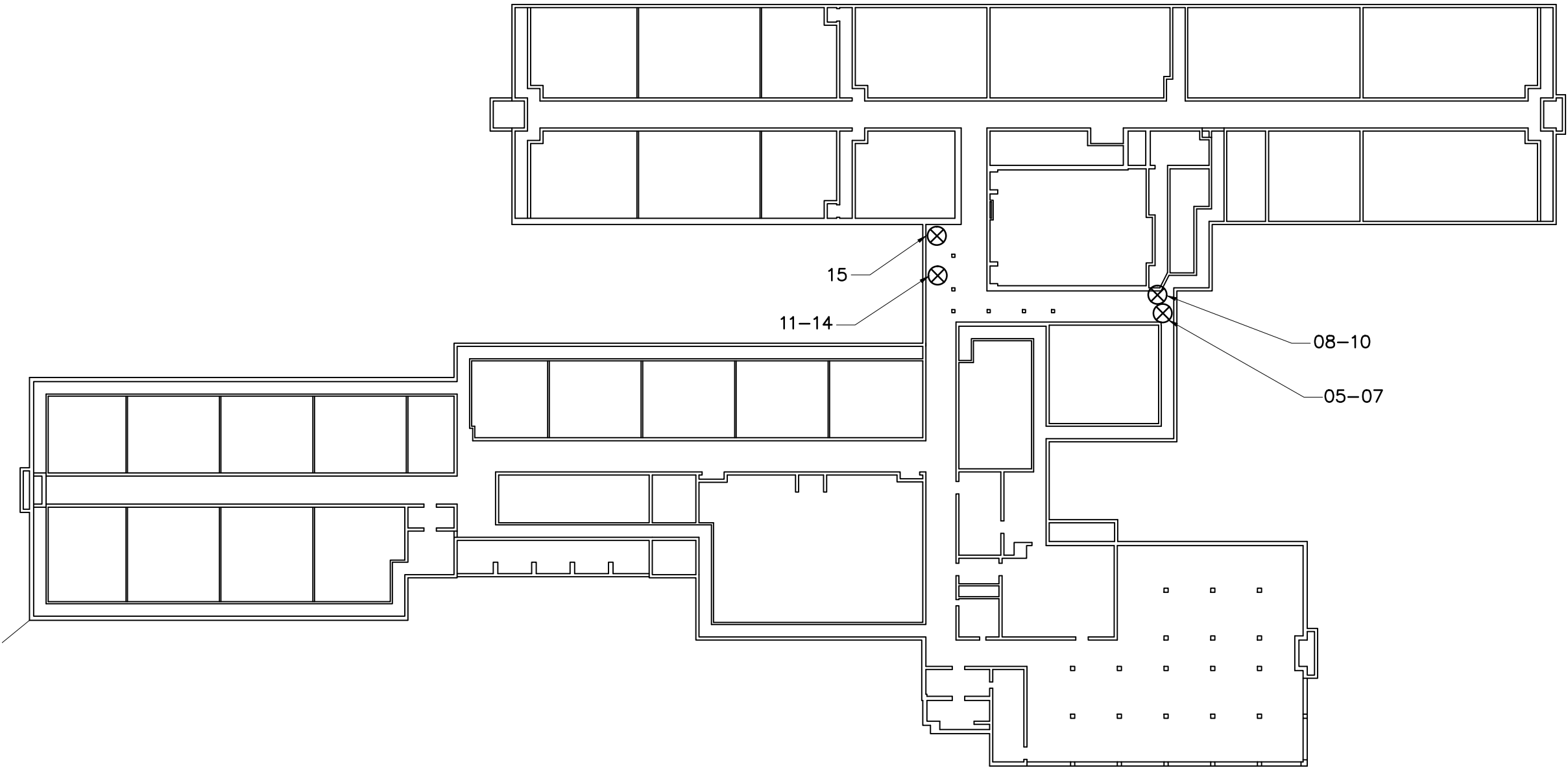
Gheen Environmental Services, LLC

44 Glenridge Road
Ph: 315.761.7800

K \hgg\cfc' NY 13492
Fax: 315.362.9583

LEGEND

- ⊗ Sample Locations Preceded by "81915L—"
- XX Sample Number



DRAWING NUMBER:

SLP-2

Project No.: 15S-031

Date: 4/19/2016

Drawn By: skg

Scale: NTS

Marcellus CSD

Marcellus Elementary School

Second Floor Sample Location Plans



Green Environmental Services, LLC

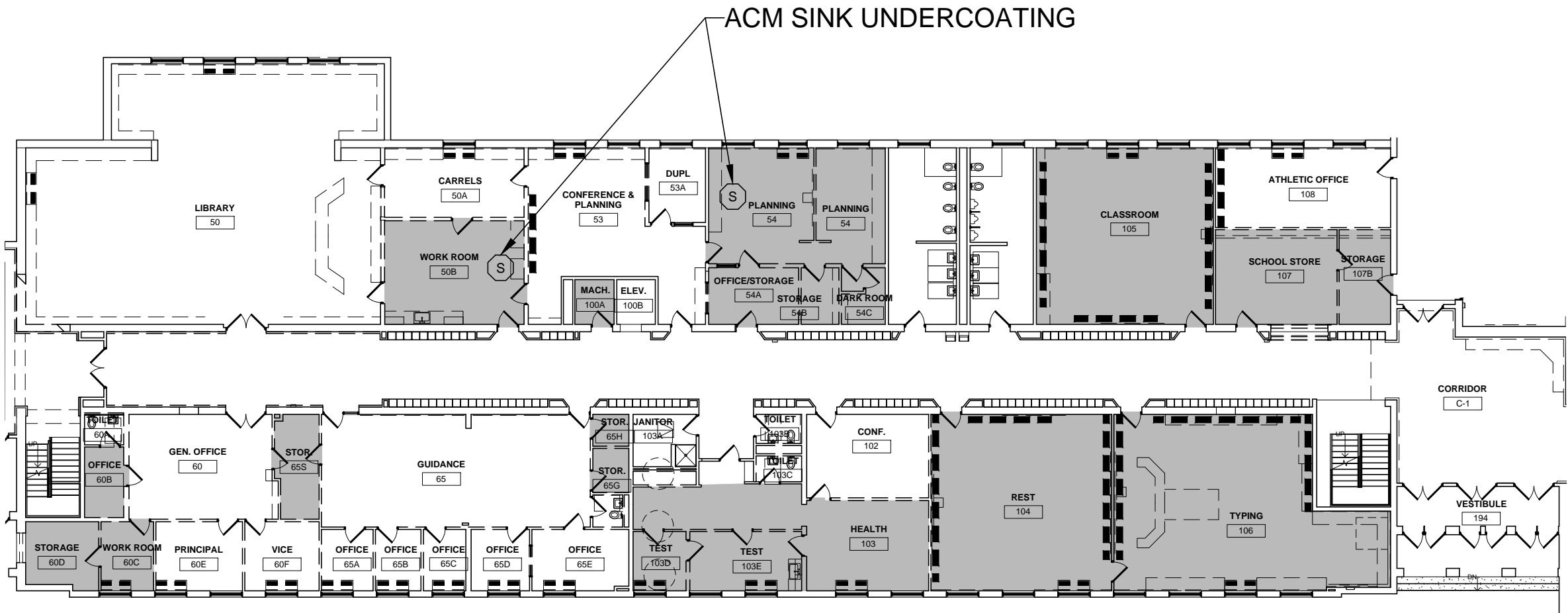
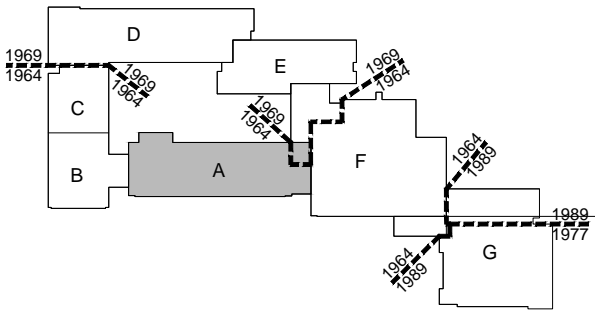
44 Glenridge Road K \HigMcfc' NY 13492
Ph: 315.761.7800 Fax: 315.362.9583

Notes:



Shaded Areas Have ACM Floor Tile or Linoleum.

Interior Doors In 1964 Vintage Have ACM Glazing Compound (Typical)



NOTE: SCOPE OF ASBESTOS SURVEY LIMITED TO SCHEDULED RENOVATION WORK. THEREFORE, NOT ALL ASBESTOS CONTAINING MATERIALS WHICH EXIST IN THE BUILDING MAY BE COVERED BY THIS SURVEY DOCUMENT.

DRAWING NUMBER:

ACM-1

Project No.: 15S-031

Date: 4/19/2016

Drawn By: skg

Scale: NTS

Marcellus CSD
Marcellus High School
Partial First Floor Asbestos Location Plans



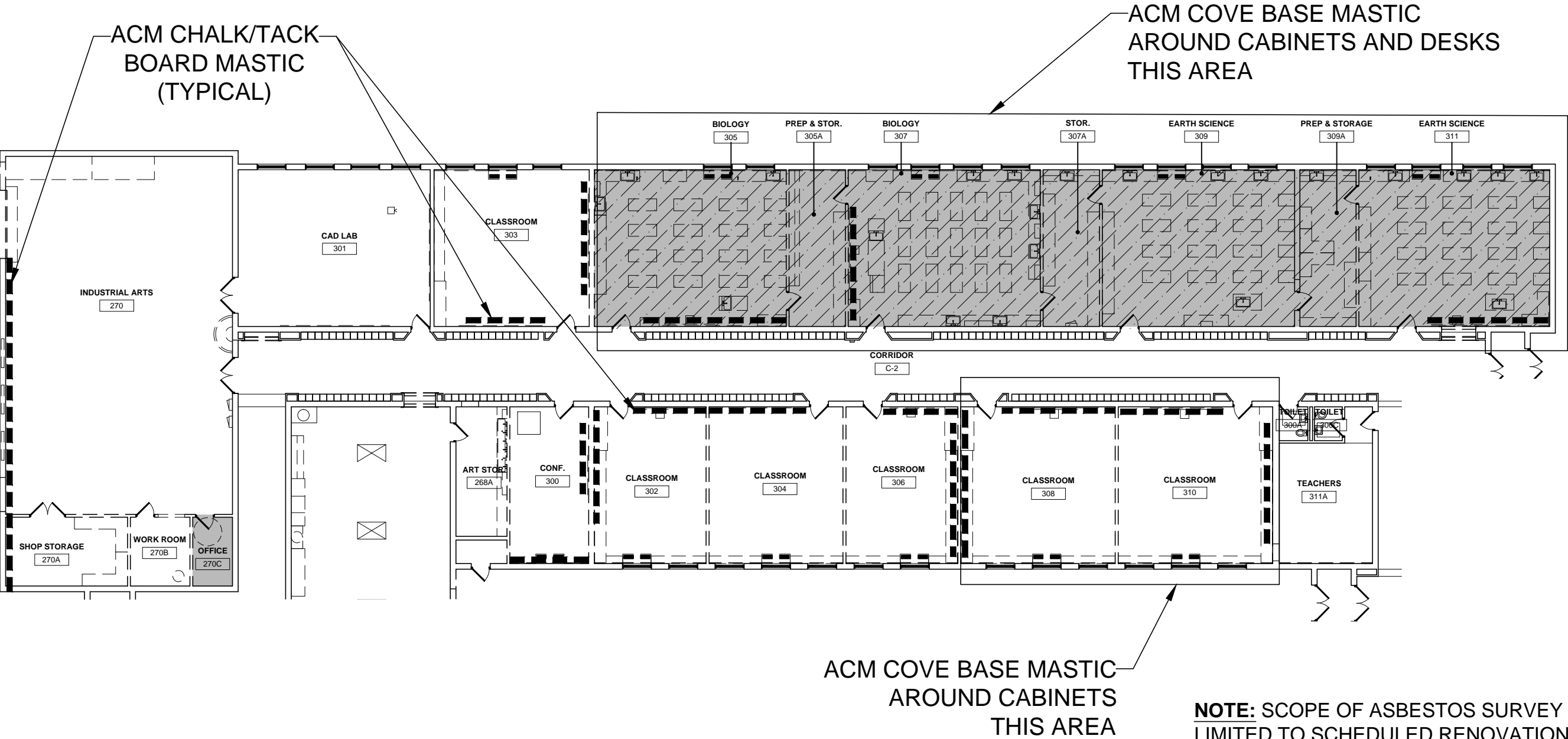
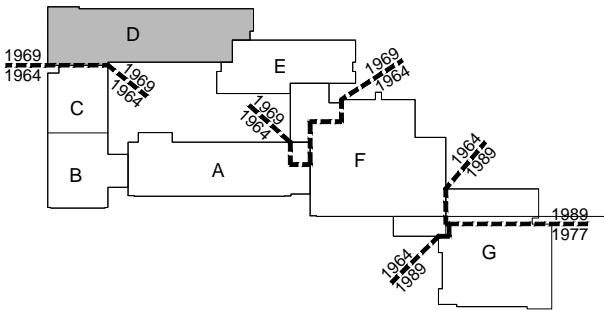
Gheen Environmental Services, LLC
44 Glenridge Road
Ph: 315.761.7800
Fax: 315.362.9583
NY 13492

ACM-2

Notes:

- Shaded Areas Have ACM Floor Tile or Linoleum.
- Hatch area indicates ACM mastic/sealer on lab table tops.

Interior Doors In 1964 Vintage Have ACM Glazing Compound (Typical)



NOTE: SCOPE OF ASBESTOS SURVEY LIMITED TO SCHEDULED RENOVATION WORK. THEREFORE, NOT ALL ASBESTOS CONTAINING MATERIALS WHICH EXIST IN THE BUILDING MAY BE COVERED BY THIS SURVEY DOCUMENT.

DRAWING NUMBER:

ACM-3

Project No.: 15S-031

Date: 4/19/2016

Drawn By: skg

Scale: NTS

Marcellus CSD

Marcellus High School

Partial First Floor Asbestos Location Plans



Gheen Environmental Services, LLC

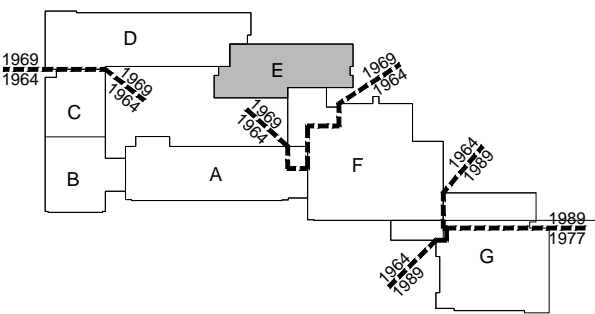
44 Glenridge Road 'K' \HigMcfc' NY 13492

Ph: 315.761.7800 Fax: 315.362.9583

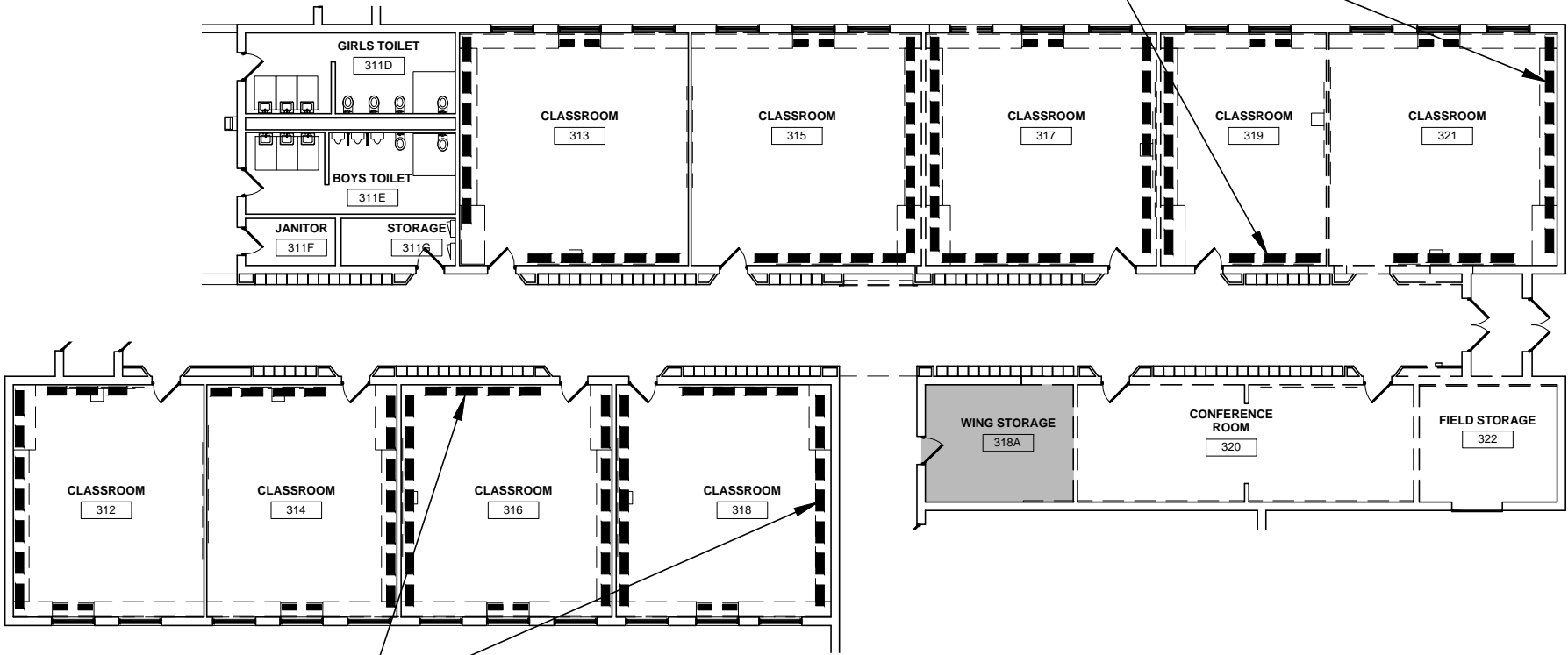
Notes:

Shaded Areas Have ACM Floor Tile or Linoleum.

Interior Doors In 1964 Vintage Have ACM Glazing Compound (Typical)



ACM CHALK/TACK
BOARD MASTIC
(TYPICAL)



ACM CHALK/TACK
BOARD MASTIC
(TYPICAL)

NOTE: SCOPE OF ASBESTOS SURVEY LIMITED TO SCHEDULED RENOVATION WORK. THEREFORE, NOT ALL ASBESTOS CONTAINING MATERIALS WHICH EXIST IN THE BUILDING MAY BE COVERED BY THIS SURVEY DOCUMENT.

DRAWING NUMBER:

ACM-4

Project No.: 15S-031

Date: 4/19/2016

Drawn By: skg

Scale: NTS

Marcellus CSD
Marcellus High School
Partial First Floor Asbestos Location Plans

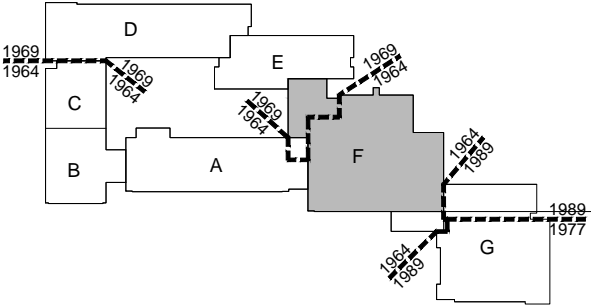
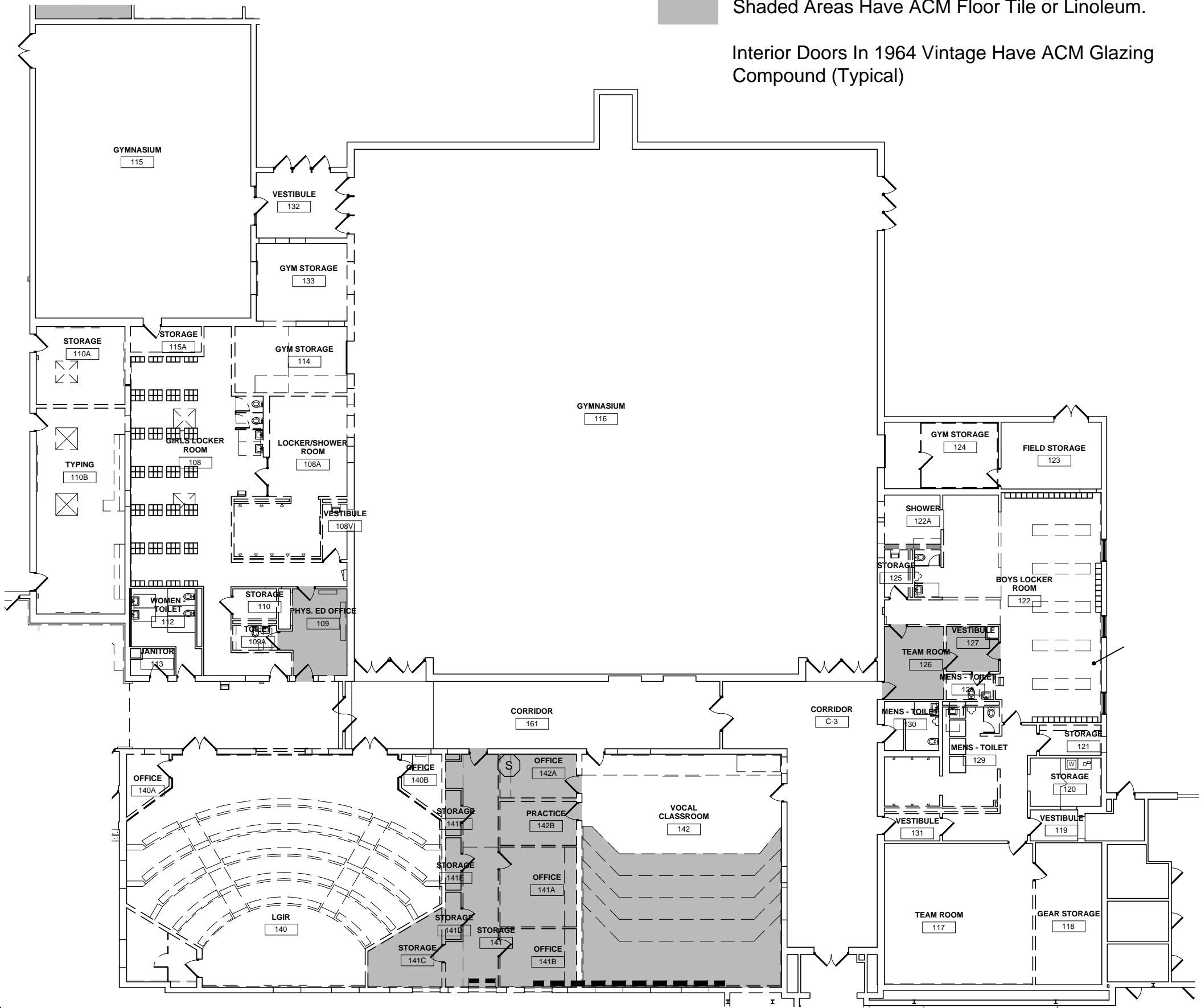


Gheen Environmental Services, LLC
44 Glenridge Road
Ph: 315.761.7800
Fax: 315.362.9583
NY 13492

Notes:

Shaded Areas Have ACM Floor Tile or Linoleum.

Interior Doors In 1964 Vintage Have ACM Glazing Compound (Typical)



NOTE: SCOPE OF ASBESTOS SURVEY LIMITED TO SCHEDULED RENOVATION WORK. THEREFORE, NOT ALL ASBESTOS CONTAINING MATERIALS WHICH EXIST IN THE BUILDING MAY BE COVERED BY THIS SURVEY DOCUMENT.

DRAWING NUMBER:			
ACM-5			
Project No.:	15S-031	Date:	4/19/2016
Drawn By:	skg	Scale:	NTS

Marcellus CSD
Marcellus High School
Partial First Floor Asbestos Location Plans




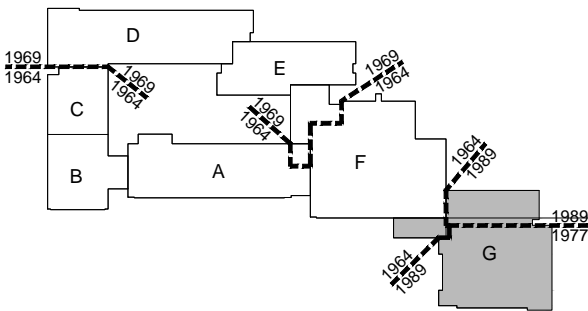
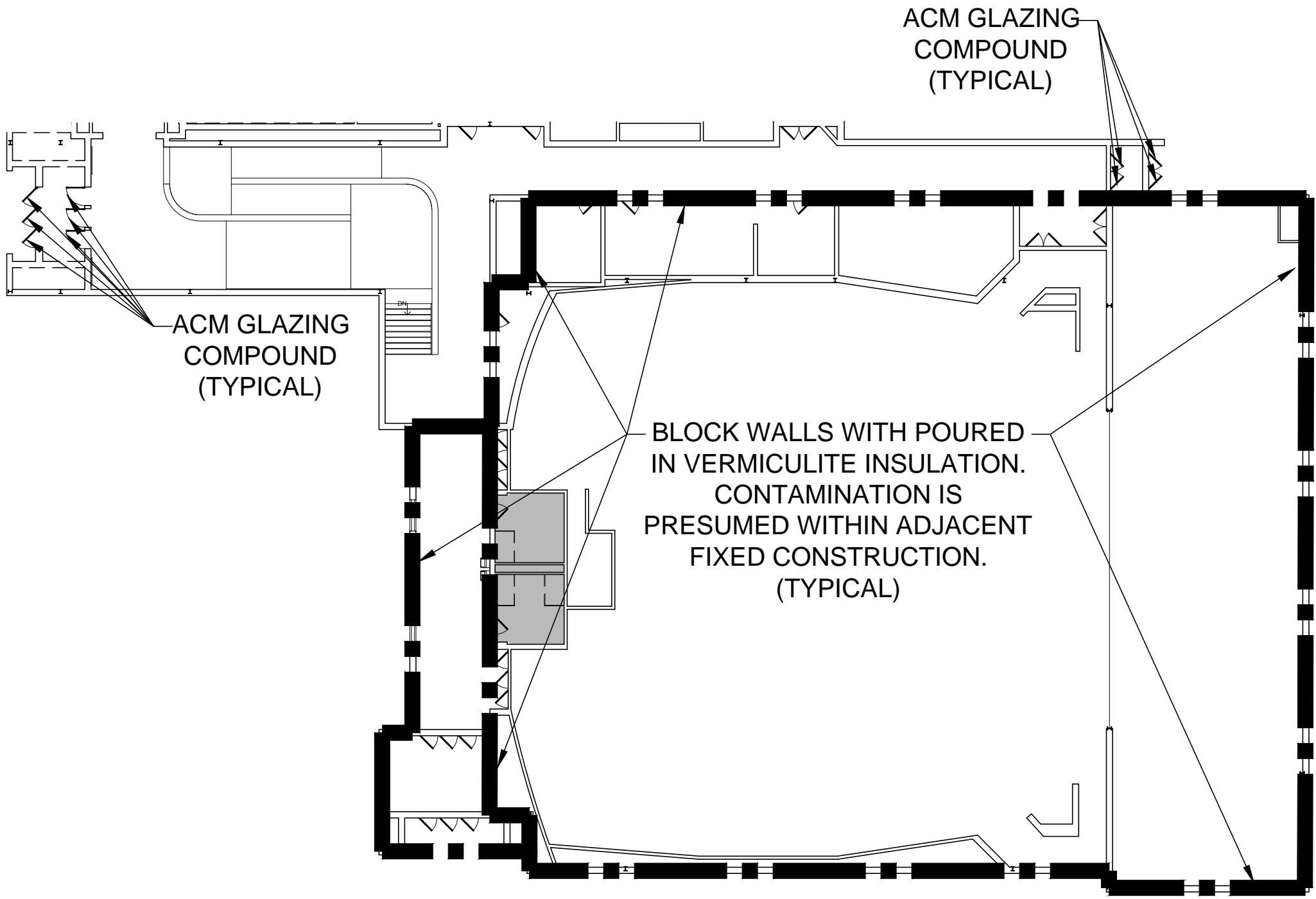
Gheen Environmental Services, LLC



44 Glenridge Road
Ph: 315.761.7800
Fax: 315.362.9583

Notes:

 Hatch area indicates ACM flooring.



NOTE: SCOPE OF ASBESTOS SURVEY LIMITED TO SCHEDULED RENOVATION WORK. THEREFORE, NOT ALL ASBESTOS CONTAINING MATERIALS WHICH EXIST IN THE BUILDING MAY BE COVERED BY THIS SURVEY DOCUMENT.

DRAWING NUMBER:

ACM-6

Project No.: 15S-031

Date: 4/19/2016

Drawn By: skg

Scale: NTS

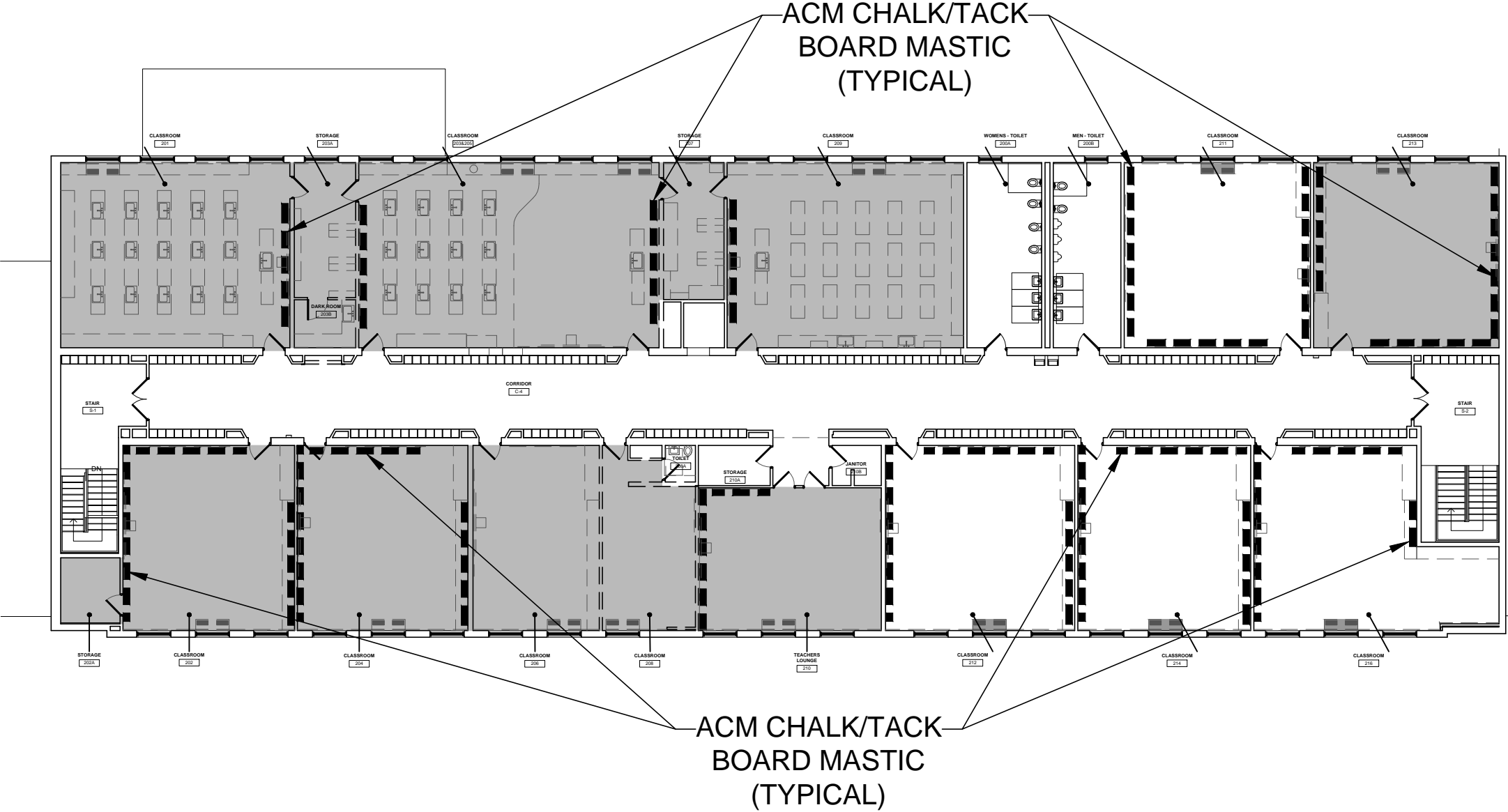
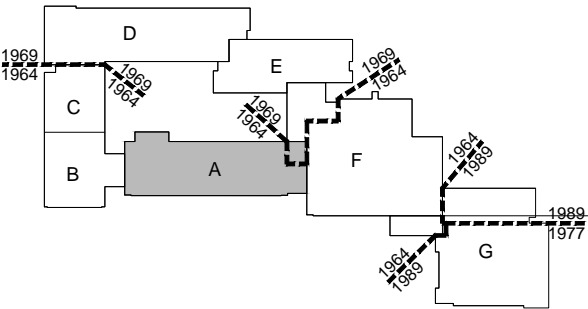
Marcellus CSD
Marcellus High School
Partial First Floor Asbestos Location Plans



44 Glenridge Road
Ph: 315.761.7800
Fax: 315.362.9583
NY 13492

Notes:

- Hatch area indicates ACM flooring.
- Vermiculite in exterior walls (Not shown).
- Interior doors with ACM light glazing compound (Not shown).
- Doors with ACM window glazing sealant (Not shown).



NOTE: SCOPE OF ASBESTOS SURVEY LIMITED TO SCHEDULED RENOVATION WORK. THEREFORE, NOT ALL ASBESTOS CONTAINING MATERIALS WHICH EXIST IN THE BUILDING MAY BE COVERED BY THIS SURVEY DOCUMENT.

DRAWING NUMBER:
ACM-7

Project No.: 15S-031

Date: 4/19/2016


Drawn By: skg

Scale: NTS

Marcellus CSD

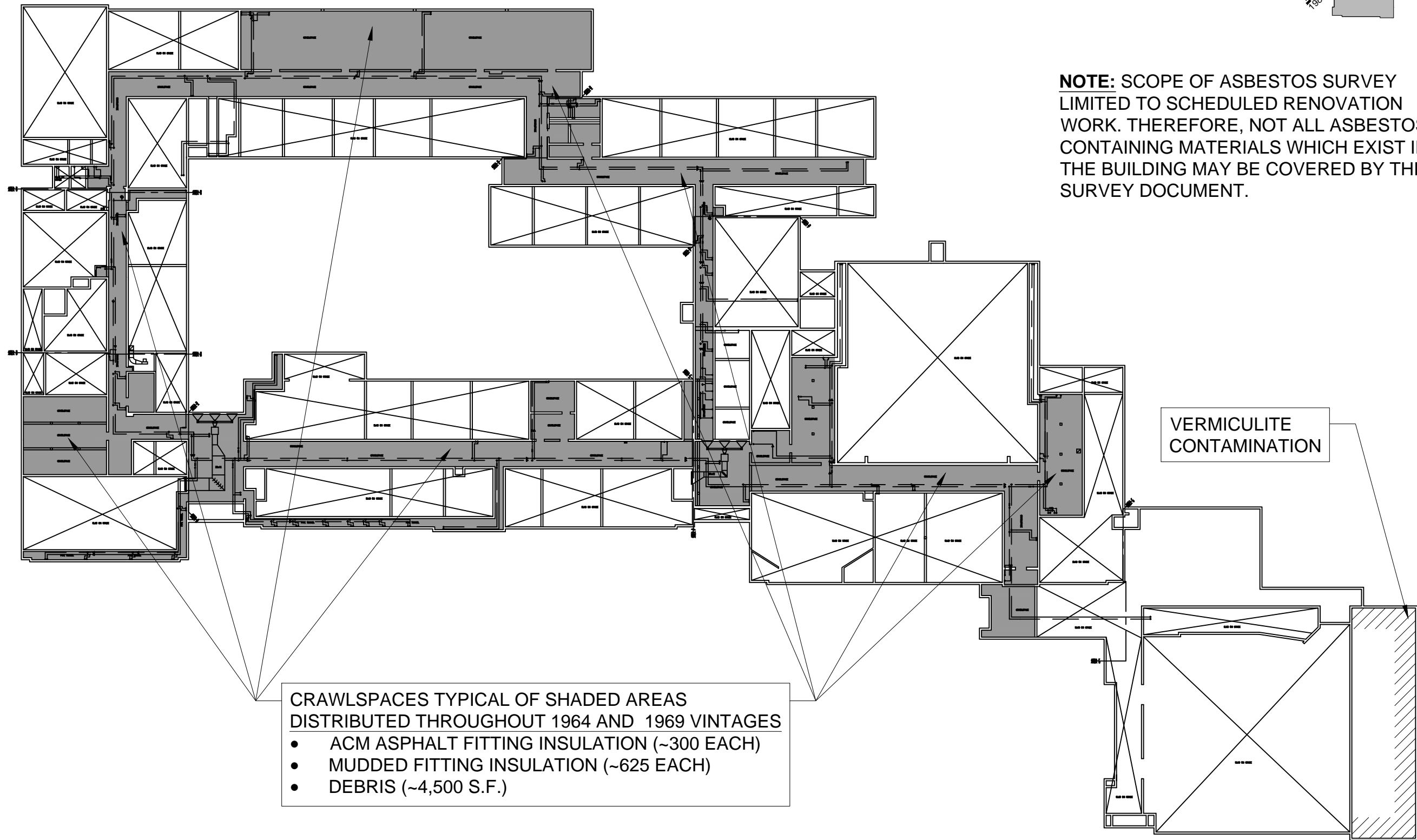
Marcellus High School

Second Floor Asbestos Location Plans


Gheen Environmental Services, LLC

44 Glenridge Road
Ph: 315.761.7800
Fax: 315.362.9583

NY 13492



DRAWING NUMBER:

ACM-8

Project No.: 15S-031

Date: 4/19/2016

Drawn By: skg

Scale: NTS

Marcellus CSD

Marcellus High School

Lower Level Asbestos Location Plans



Gheen Environmental Services, LLC

44 Glenridge Road 'K' \HigMcfc' NY 13492
Ph: 315.761.7800 Fax: 315.362.9583

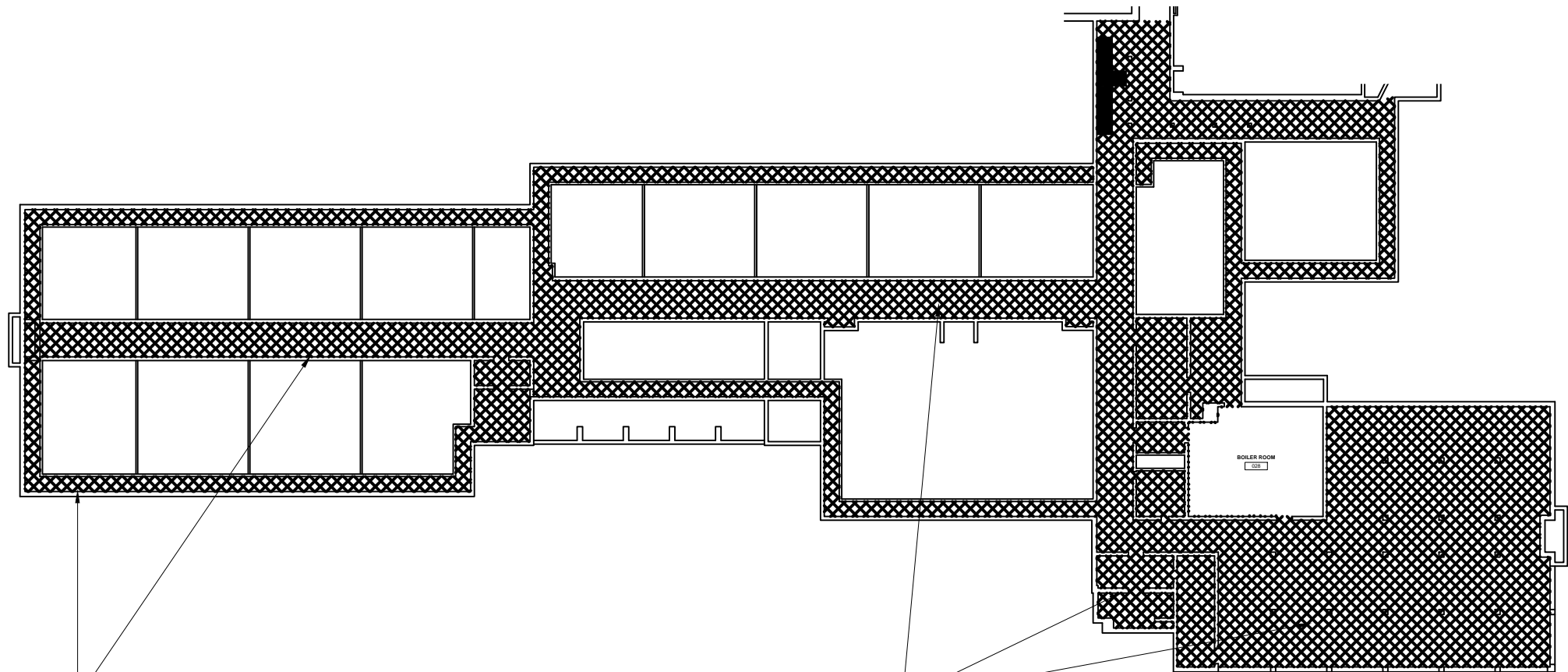
NOTES:



Hatch area indicates Contaminated Crawlspace.



Hatch area indicates ACM black tar duct insulation.



CRAWLSPACE - ACM PIPE / FITTING INSULATION
AND ACM DEBRIS THROUGHOUT

NOTE: SCOPE OF ASBESTOS SURVEY
LIMITED TO SCHEDULED RENOVATION
WORK. THEREFORE, NOT ALL ASBESTOS
CONTAINING MATERIALS WHICH EXIST IN
THE BUILDING MAY BE COVERED BY THIS
SURVEY DOCUMENT.

DRAWING NUMBER:

ACM-1

Project No.: 15S-031

Date: 4/19/2016

Drawn By: skg

Scale: NTS

Marcellus CSD

Marcellus Elementary School

Crawlspace Asbestos Location Plans



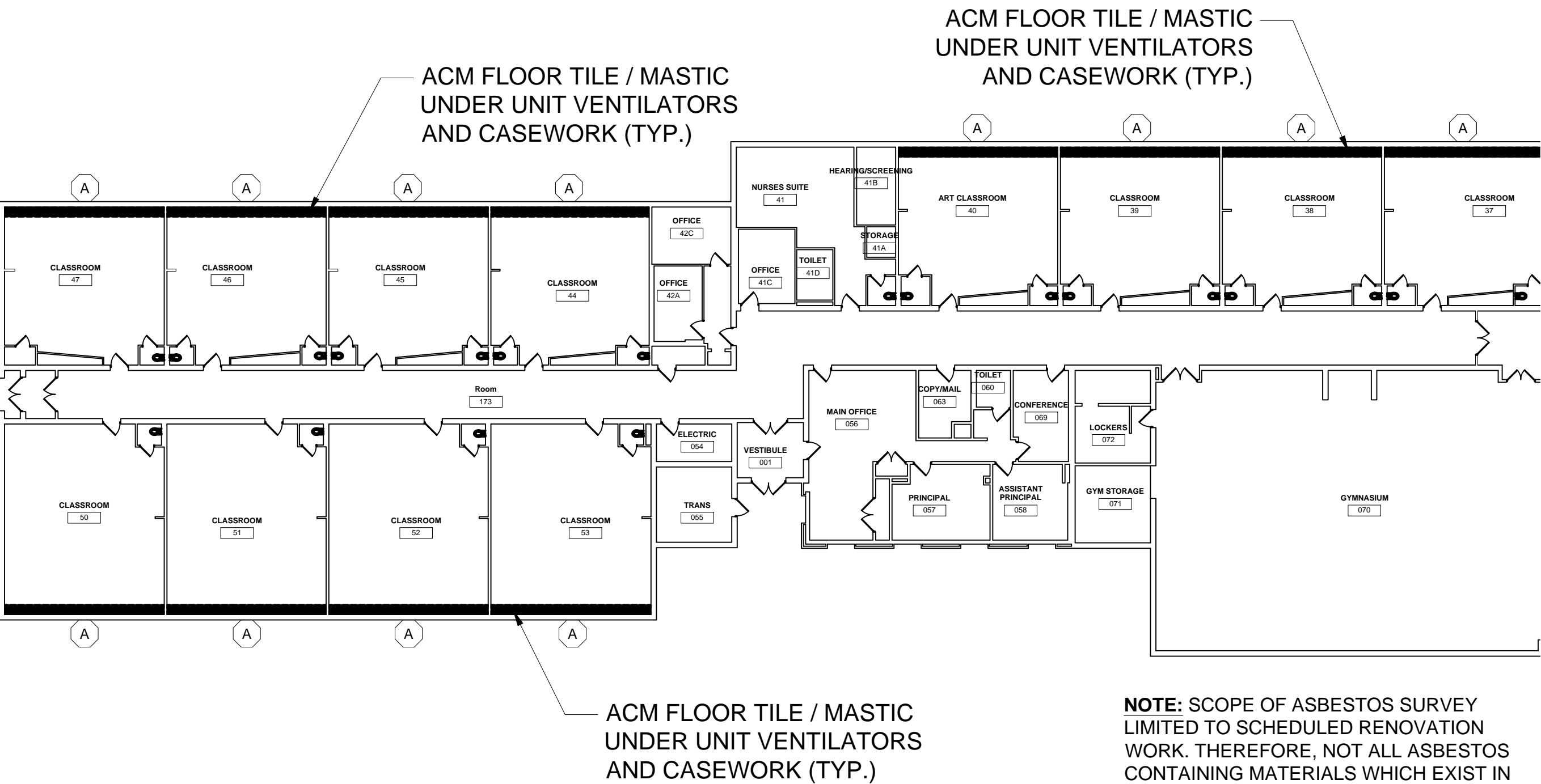
Gheen Environmental Services, LLC

44 Glenridge Road
Ph: 315.761.7800

NY 13492
Fax: 315.362.9583

NOTES:

- Shaded area indicates ACM floor tile and mastic under unit ventilator and casework.
- Symbol indicates ACM window sill/unit ventilator caulk.



NOTE: SCOPE OF ASBESTOS SURVEY LIMITED TO SCHEDULED RENOVATION WORK. THEREFORE, NOT ALL ASBESTOS CONTAINING MATERIALS WHICH EXIST IN THE BUILDING MAY BE COVERED BY THIS SURVEY DOCUMENT.

DRAWING NUMBER:

ACM-2

Project No.: 15S-031

Date: 4/19/2016

Drawn By: skg

Scale: NTS

Marcellus CSD

Marcellus Elementary School



Partial First Floor Asbestos Location Plans

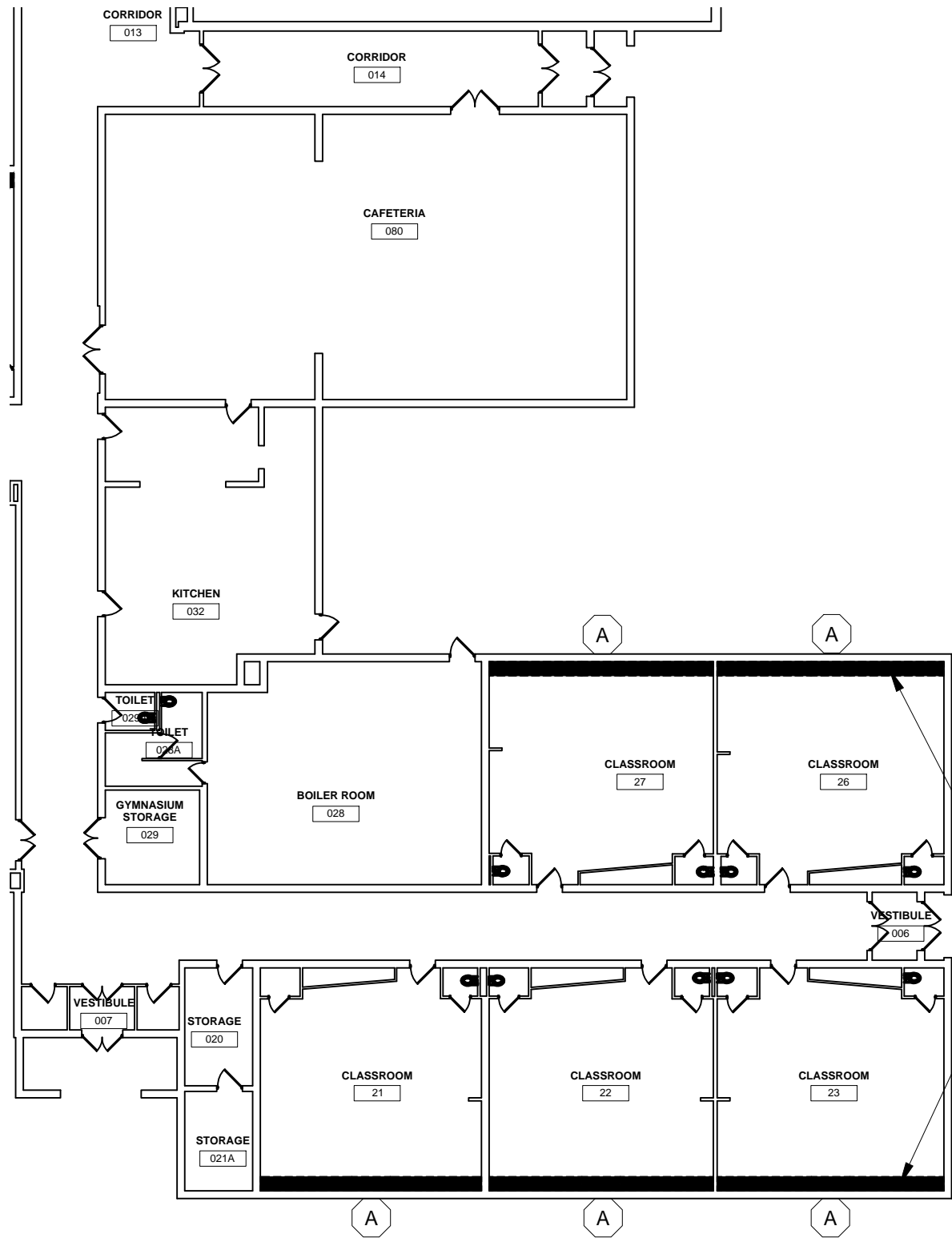


Gheen Environmental Services, LLC

44 Glenridge Road 'K' \Jh\g\cfc' NY 13492
Ph: 315.761.7800 Fax: 315.362.9583

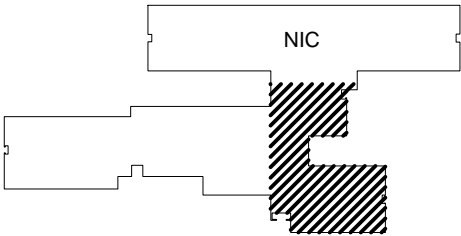
NOTES:


-  Hatch area indicates ACM floor tile and mastic under unit ventilators and casework.
-  Symbol indicates ACM window sill/unit ventilator caulk.



ACM FLOOR TILE / MASTIC
UNDER UNIT VENTILATORS
AND CASEWORK (TYP.)

NOTE: SCOPE OF ASBESTOS SURVEY
LIMITED TO SCHEDULED RENOVATION
WORK. THEREFORE, NOT ALL ASBESTOS
CONTAINING MATERIALS WHICH EXIST IN
THE BUILDING MAY BE COVERED BY THIS
SURVEY DOCUMENT.



DRAWING NUMBER: ACM-3			
Project No.: 15S-031	Date: 4/19/2016	Drawn By: skg	Scale: NTS
Marcellus CSD Marcellus Elementary School Partial First Floor Asbestos Location Plans			
 Gheen Environmental Services, LLC 44 Glenridge Road K \HghMcfc' NY 13492 Ph: 315.761.7800 Fax: 315.362.9583			

Appendix E

Certifications

New York State – Department of Labor

Division of Safety and Health
License and Certificate Unit
State Campus, Building 12
Albany, NY 12240

ASBESTOS HANDLING LICENSE

Gheen Environmental Services, LLC

44 Glenridge Road

Whitesboro, NY 13492

FILE NUMBER: 11-58705

LICENSE NUMBER: 58705

LICENSE CLASS: RESTRICTED

DATE OF ISSUE: 03/17/2016

EXPIRATION DATE: 03/31/2017

Duly Authorized Representative – Sandra Gheen:

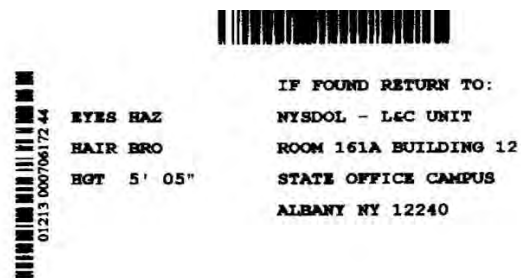
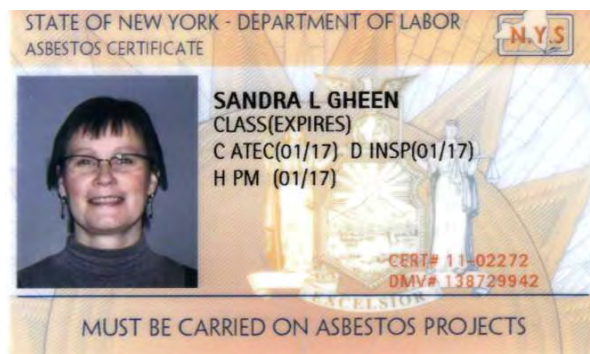
This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.



Eileen M. Franko, Director
For the Commissioner of Labor

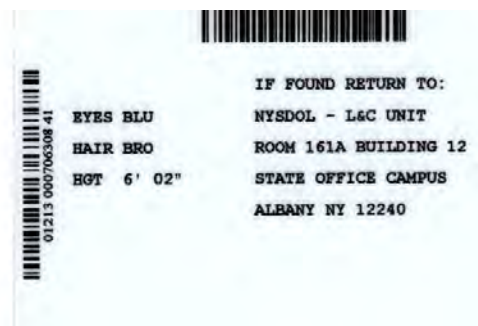
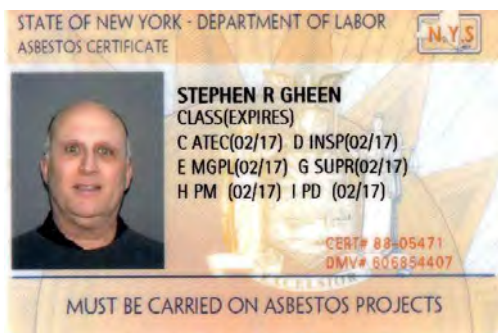
New York State Department of Labor Asbestos Certificate



Classification Legend:

A	Asbestos Handler	F	Operations & Maintenance
B	Restricted – Allied Trades	G	Supervisor
C	Air Sampling Tech	H	Project Monitor
D	Inspector	I	Project Designer
E	Management Planner		

New York State Department of Labor Asbestos Certificate



Classification Legend:

A	Asbestos Handler	F	Operations & Maintenance
B	Restricted – Allied Trades	G	Supervisor
C	Air Sampling Tech	H	Project Monitor
D	Inspector	I	Project Designer
E	Management Planner		

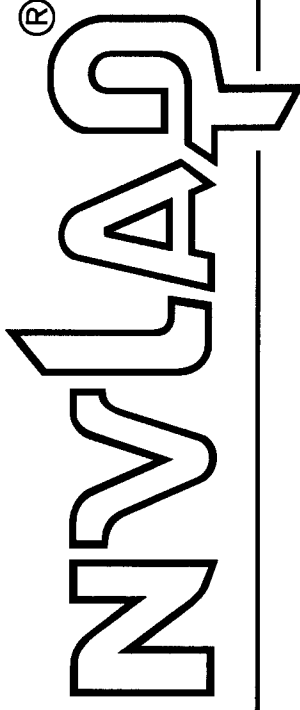
New York State Department of Labor Asbestos Certificate



Classification Legend:

A	Asbestos Handler	F	Operations & Maintenance
B	Restricted – Allied Trades	G	Supervisor
<u>C</u>	<u>Air Sampling Tech</u>	<u>H</u>	<u>Project Monitor</u>
<u>D</u>	<u>Inspector</u>	<u>I</u>	<u>Project Designer</u>
E	Management Planner		

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 200546-0

AmeriSci New York
New York, NY

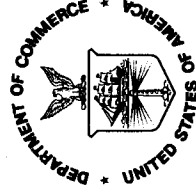
is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:

Asbestos Fiber Analysis

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009).

2015-06-29 through 2016-06-30

Effective Dates



A handwritten signature in black ink, appearing to read "Jean R. Murphy".

For the National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

AmeriSci New York
DBA: AmeriSci New York
117 E. 30th Street
New York, NY 10016
Mr. Paul Mucha
Phone: 212-679-8600 Fax: 212-679-2711
Email: pmucha@amerisci.com
<http://www.amerisci.com>

ASBESTOS FIBER ANALYSIS

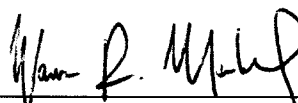
NVLAP LAB CODE 200546-0

Bulk Asbestos Analysis

<u>Code</u>	<u>Description</u>
18/A01	EPA 600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Airborne Asbestos Analysis

<u>Code</u>	<u>Description</u>
18/A02	U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.



For the National Voluntary Laboratory Accreditation Program



**National Voluntary
Laboratory Accreditation Program**



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Paradigm Environmental Services, Inc.

179 Lake Avenue

Rochester, NY 14608

Ms. Rebecca Roztocil

Phone: 585-647-2530 Fax: 585-647-3311

E-Mail: RRoztocil@paradigmenv.com

URL: <http://www.paradigmenv.com>

BULK ASBESTOS FIBER ANALYSIS (PLM)

NVLAP LAB CODE 200530-0

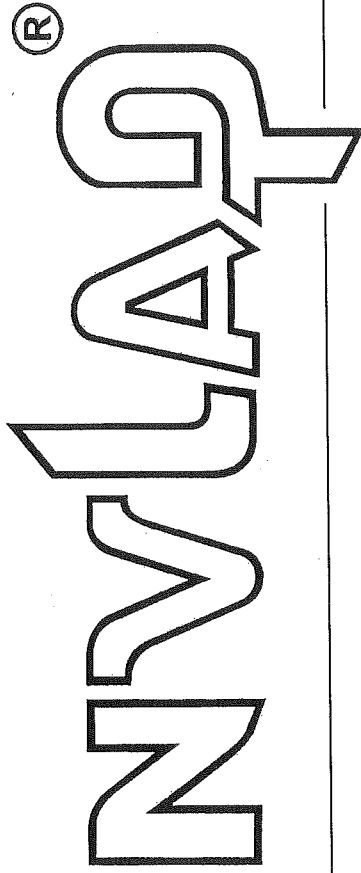
<i>NVLAP Code</i>	<i>Designation / Description</i>
18/A01	EPA 600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

2015-07-01 through 2016-06-30

Effective dates

For the National Institute of Standards and Technology

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 200530-0

Paradigm Environmental Services, Inc.
Rochester, NY

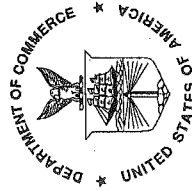
is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:

BULK ASBESTOS FIBER ANALYSIS

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2015-07-01 through 2016-06-30

Effective dates



Wm. D. Mudd

For the National Institute of Standards and Technology



**National Voluntary
Laboratory Accreditation Program**



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Paradigm Environmental Services, Inc.

179 Lake Avenue

Rochester, NY 14608

Ms. Rebecca Roztocil

Phone: 585-647-2530 Fax: 585-647-3311

E-Mail: RRoztocil@paradigmenv.com

URL: <http://www.paradigmenv.com>

AIRBORNE ASBESTOS FIBER ANALYSIS (TEM)

NVLAP LAB CODE 200530-0

NVLAP Code Designation / Description

18/A02 U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.

2015-07-01 through 2016-06-30

Effective dates

For the National Institute of Standards and Technology

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 200546-0

AmeriSci New York
New York, NY

*is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:*

Asbestos Fiber Analysis

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).*

2015-06-29 through 2016-06-30

Effective Dates



A handwritten signature in black ink, which appears to read "William R. Murphy".

For the National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

AmeriSci New York
DBA: AmeriSci New York
117 E. 30th Street
New York, NY 10016
Mr. Paul Mucha
Phone: 212-679-8600 Fax: 212-679-2711
Email: pmucha@ameriscisci.com
<http://www.ameriscisci.com>

ASBESTOS FIBER ANALYSIS

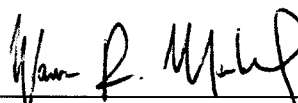
NVLAP LAB CODE 200546-0

Bulk Asbestos Analysis

<u>Code</u>	<u>Description</u>
18/A01	EPA 600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

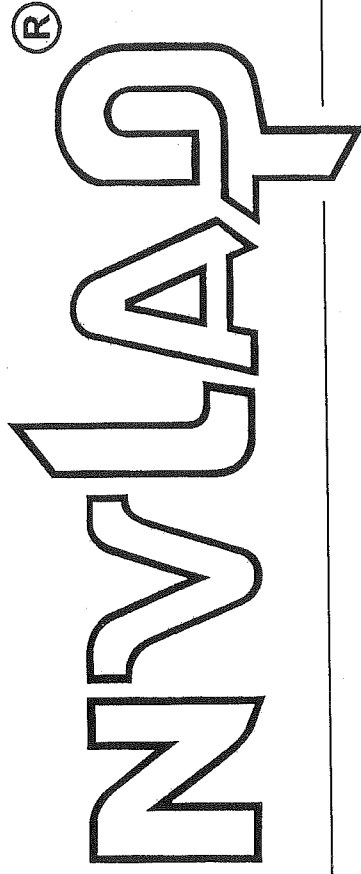
Airborne Asbestos Analysis

<u>Code</u>	<u>Description</u>
18/A02	U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.



For the National Voluntary Laboratory Accreditation Program

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 200530-0

Paradigm Environmental Services, Inc.
Rochester, NY

is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:

AIRBORNE ASBESTOS FIBER ANALYSIS

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2015-07-01 through 2016-06-30

Effective dates



A handwritten signature in black ink, appearing to read "William D. M. L. D.", positioned above the official title.

For the National Institute of Standards and Technology

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2017
Issued April 01, 2016

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. STEVE DEVITO
PARADIGM ENVIRONMENTAL SERVICES INC
179 LAKE AVENUE
ROCHESTER, NY 14608

NY Lab Id No: 10958

*is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:*

Miscellaneous

Asbestos in Friable Material	Item 198.1 of Manual EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual
Lead in Dust Wipes	EPA 6010C
Lead in Paint	EPA 6010C

Sample Preparation Methods

EPA 3050B

NEW
YORK
STATE

Department
of Health

Serial No.: 54682

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2017
Issued April 01, 2016

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. STEVE DEVITO
PARADIGM ENVIRONMENTAL SERVICES INC
179 LAKE AVENUE
ROCHESTER, NY 14608

NY Lab Id No: 10958

*is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES AIR AND EMISSIONS
All approved subcategories and/or analytes are listed below:*

Metals I

Lead, Total NIOSH 7303

Miscellaneous

Asbestos 40 CFR 763 APXA No. III

NIOSH 7402

Fibers NIOSH 7400 A RULES

NEW
YORK
STATE

Department
of Health

Serial No.: 54684

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.



**National Voluntary
Laboratory Accreditation Program**



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Paradigm Environmental Services, Inc.

179 Lake Avenue

Rochester, NY 14608

Ms. Rebecca Roztocil

Phone: 585-647-2530 Fax: 585-647-3311

E-Mail: RRoztocil@paradigmenv.com

URL: <http://www.paradigmenv.com>

BULK ASBESTOS FIBER ANALYSIS (PLM)

NVLAP LAB CODE 200530-0

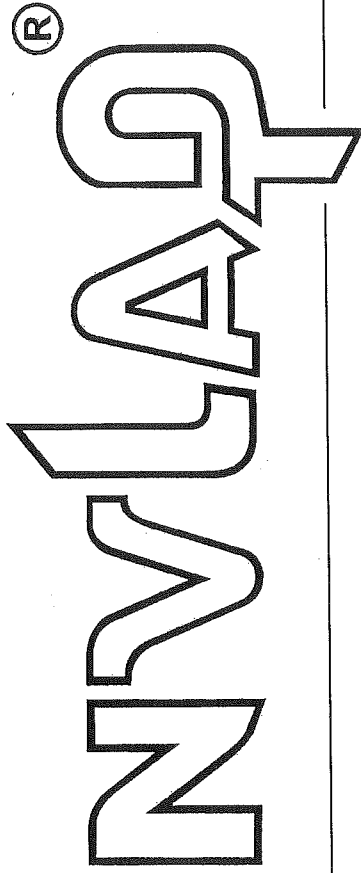
<i>NVLAP Code</i>	<i>Designation / Description</i>
18/A01	EPA 600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

2015-07-01 through 2016-06-30

Effective dates

For the National Institute of Standards and Technology

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 200530-0

Paradigm Environmental Services, Inc.
Rochester, NY

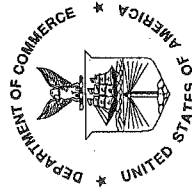
is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:

BULK ASBESTOS FIBER ANALYSIS

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2015-07-01 through 2016-06-30

Effective dates



W. D. M. L. D.

For the National Institute of Standards and Technology



**National Voluntary
Laboratory Accreditation Program**



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Paradigm Environmental Services, Inc.

179 Lake Avenue

Rochester, NY 14608

Ms. Rebecca Roztocil

Phone: 585-647-2530 Fax: 585-647-3311

E-Mail: RRoztocil@paradigmenv.com

URL: <http://www.paradigmenv.com>

AIRBORNE ASBESTOS FIBER ANALYSIS (TEM)

NVLAP LAB CODE 200530-0

NVLAP Code Designation / Description

18/A02

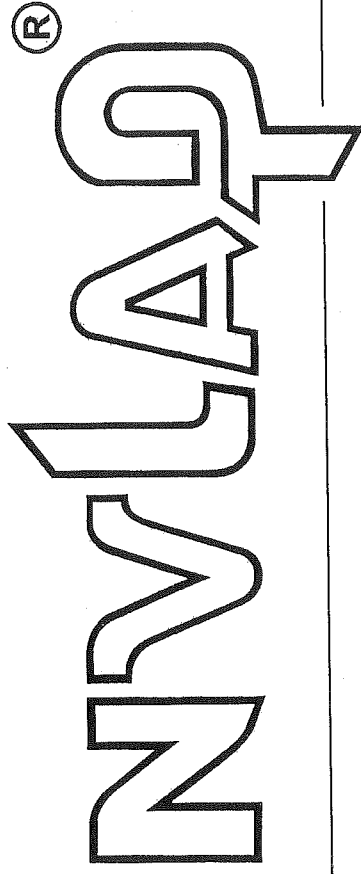
U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.

2015-07-01 through 2016-06-30

Effective dates

For the National Institute of Standards and Technology

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 200530-0

Paradigm Environmental Services, Inc.
Rochester, NY

is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:

AIRBORNE ASBESTOS FIBER ANALYSIS

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2015-07-01 through 2016-06-30

Effective dates



Wm. D. M. L. D.

For the National Institute of Standards and Technology

Marcellus CSD

High School

Pre-Renovation Limited
PCBs & Heavy Metals
In Caulking Survey
April 2016

Prepared For:
SEI Design Group
Albany, NY

1.0 Introduction

Gheen Environmental Services was retained by SEI Design Group to provide a limited Pre-Renovation Survey at the Marcellus Central School District. The scope of work included testing caulk for hazardous materials in areas of the building where existing construction is scheduled to be disturbed by proposed renovations that are part of the Marcellus renovation project.

2.0 Building Owner Actions Required By Regulation

2.1 Use of PCBs Other Than in a Totally Enclosed Manner

The United States Environmental Protection Agency prohibits the use of PCBs except in a "Totally Enclosed Manner". Materials with as-found concentrations of PCBs ≥ 50 ppm are regulated by State and Federal regulations. Materials containing PCBs ≥ 50 ppm must be removed and disposed in accordance with 40 CFR 761.

3.0 Executive Summary

Gheen Environmental Services performed field work at the Marcellus Central School District on August 26, 2016 and April 4, 2016. Survey work was performed by Stephen Gheen and Sandra Gheen.

Identified Hazardous Materials (contaminant)

High School 1964

- Unit Ventilator Louver Caulk – (Lead)
- Window Glazing Compound Above 2 Main Entry Door Systems – (Lead)

High School 1969

- Sill Caulk – (PCBs)
- Window Caulk – (PCBs)

High School 1989

- Door Caulk – (Mercury)
- Window/Door Caulk – (Mercury)

4.0 Assumptions and Limitations

This survey work is intended to address caulk to be disturbed by renovations being designed by the above referenced project and not intended to cover all caulk throughout the facility. Conditions are as of the date of inspection. Gheen Environmental Services is not responsible for misinterpretation of this report. In the event that questions arise, contact Gheen Environmental Services.

Testing of caulk for PCBs relates only to caulk scheduled to be disturbed by the scheduled renovation that was installed no later than 1979. Testing of caulk for heavy metals relates to all caulk scheduled to be disturbed by the scheduled renovation, regardless of installation date. Gheen Environmental Services has not investigated other caulk, nor determined whether or not tested caulk is similar to other caulk at the building.

5.0 PCB Survey Results

5.1 Methodology

Materials with as-found concentrations of PCBs ≥ 50 ppm are regulated by State and Federal regulations.

5.2 Interpretation of Results

PCBs containing caulks were identified. Refer to Table 1 – Caulk Bulk Sample Results Summary and the Laboratory Reports found in Appendix B. Testing of caulk relates only to caulk scheduled to be disturbed by the scheduled renovation that was installed no later than 1979. Gheen Environmental Services has not investigated other caulk, nor determined whether or not tested caulk is similar to other caulk at the building.

6.0 Heavy Metals Survey Results

6.1 Methodology

As with any potential workplace hazard, OSHA regulates lead and contractors should take precautions as required by OSHA.

Disposal of heavy metal containing material is based on a cross section of the waste stream. Specific testing of the waste stream to determine if is hazardous may be required. Caulk samples were collected from door, window, and other various components where caulking is present at each of the facilities scheduled for

renovation. Sample analysis of was performed to determine the total amount of heavy metals in the sample.

Figure 1. – Heavy Metal Regulatory Levels

Contaminant	Regulatory Level (mg/L)	Rule of 20 Level (mg/kg)
Arsenic	5	100
Barium	100	2,000
Cadmium	1	20
Chromium	5	100
Lead	5	100
Mercury	.2	4
Selenium	1	20
Silver	5	100

Figure 1 above shows regulatory levels for total heavy metals and the leachable levels found in NYSDEC and USEPA regulations using the “Rule of Twenty” to identify the maximum possible result that would have been identified if the samples were analyzed using TCLP protocols. Analysis for total heavy metals was selected since leachable analysis of the entire waste stream would ultimately be required prior to disposal and total metals analysis provides available information at a lower cost.

6.2 Interpretation of Results

Federal and state regulations regulate disposal of hazardous wastes. Any caulks that are identified as potentially exceeding the regulatory level for hazardous waste determination must be properly managed and tested for leachable metals prior to disposal. Refer to Table 1 – Caulk Bulk Sample Results Summary in Appendix A and the Laboratory Reports found in Appendix B.

7.0 Appendices

Appendix A - Caulk Bulk Sample Results Summary Tables

Appendix B - Caulk Sample Laboratory Reports and Chains of Custody

Appendix C - Survey Drawings

Appendix A

Caulk Bulk Sample Results

Summary Tables

Table 1.1 - Caulk Bulk Sample Results Summary

SAMPLE NUMBER	MATERIAL	ANALYTICAL RESULTS		Regulatory Level	VINTAGE
82614H-14	Door Caulk	Silver -	<0.49 mg/kg	100 mg/kg (5 mg/L) *	1989
		Arsenic -	<1.0 mg/kg	100 mg/kg (5 mg/L) *	
		Barium -	38.1 mg/kg	2,000 mg/kg (100 mg/L) *	
		Cadmium -	<0.49 mg/kg	20 mg/kg (1 mg/L) *	
		Chromium -	2.31 mg/kg	100 mg/kg (5 mg/L) *	
		Mercury -	252 mg/k	4 mg/kg (0.2 mg/L) *	
		Lead -	1.95 mg/kg	100 mg/kg (5 mg/L) *	
		Selenium -	<2.0 mg/kg	20 mg/kg (1 mg/L) *	
4416H-02	Unit Ventilator Louver Caulk	Silver -	<1.96 mg/kg	100 mg/kg (5 mg/L) *	1969
		Arsenic -	<0.490 mg/kg	100 mg/kg (5 mg/L) *	
		Barium -	61.8 mg/kg	2,000 mg/kg (100 mg/L) *	
		Cadmium -	<0.245 mg/kg	20 mg/kg (1 mg/L) *	
		Chromium -	0.672 mg/kg	100 mg/kg (5 mg/L) *	
		Mercury -	0.0110 mg/kg	4 mg/kg (0.2 mg/L) *	
		Lead -	33.9 mg/kg	100 mg/kg (5 mg/L) *	
		Selenium -	7.72 mg/kg	20 mg/kg (1 mg/L) *	
4416H-03	Window Caulk	PCBs -	<4.31 ppm	50 ppm (mg/kg)	1969
		Silver -	<0.472 mg/kg	100 mg/kg (5 mg/L) *	
		Arsenic -	<0.472 mg/kg	100 mg/kg (5 mg/L) *	
		Barium -	4.72 mg/kg	2,000 mg/kg (100 mg/L) *	
		Cadmium -	<0.236 mg/kg	20 mg/kg (1 mg/L) *	
		Chromium -	0.740 mg/kg	100 mg/kg (5 mg/L) *	
		Mercury -	<0.00705 mg/kg	4 mg/kg (0.2 mg/L) *	
		Lead -	0.646 mg/kg	100 mg/kg (5 mg/L) *	
4416H-03	Sill Caulk	Selenium -	2.79 mg/kg	20 mg/kg (1 mg/L) *	1969
		PCBs -	308 ppm	50 ppm (mg/kg)	
		Silver -	<1.82 mg/kg	100 mg/kg (5 mg/L) *	
		Arsenic -	<0.455 mg/kg	100 mg/kg (5 mg/L) *	
		Barium -	5.68 mg/kg	2,000 mg/kg (100 mg/L) *	
		Cadmium -	<0.227 mg/kg	20 mg/kg (1 mg/L) *	
		Chromium -	1.49 mg/kg	100 mg/kg (5 mg/L) *	
		Mercury -	0.0147 mg/kg	4 mg/kg (0.2 mg/L) *	
4416H-03	Sill Caulk	Lead -	3.20 mg/kg	100 mg/kg (5 mg/L) *	1969
		Selenium -	5.39 mg/kg	20 mg/kg (1 mg/L) *	
		PCBs -	15400 ppm	50 ppm (mg/kg)	
		Silver -	<1.82 mg/kg	100 mg/kg (5 mg/L) *	
		Arsenic -	<0.455 mg/kg	100 mg/kg (5 mg/L) *	
		Barium -	5.68 mg/kg	2,000 mg/kg (100 mg/L) *	
		Cadmium -	<0.227 mg/kg	20 mg/kg (1 mg/L) *	
		Chromium -	1.49 mg/kg	100 mg/kg (5 mg/L) *	

NOTE:

Identified regulatory level for RCRA metal results (Silver, Arsenic, Barium, Cadmium, Chromium, Mercury, Lead and Selenium) is calculated based on the TCLP regulatory level and the "Rule of 20". The final determination of whether a waste stream is defined as hazardous waste is based on a cross section of the entire waste stream that is analyzed by TCLP methods, not analysis of the caulk for total contaminant.

ND= Not Detected

Table 1.1 - Caulk Bulk Sample Results Summary

SAMPLE NUMBER	MATERIAL	ANALYTICAL RESULTS		Regulatory Level	VINTAGE
4416H-08	Window/Door Caulk	Silver -	<0.476 mg/kg	100 mg/kg (5 mg/L) *	1989
		Arsenic -	<0.476 mg/kg	100 mg/kg (5 mg/L)*	
		Barium -	72.7 mg/kg	2,000 mg/kg (100 mg/L)*	
		Cadmium -	<0.238 mg/kg	20 mg/kg (1 mg/L) *	
		Chromium -	4.91 mg/kg	100 mg/kg (5 mg/L) *	
		Mercury -	27.1 mg/k	4 mg/kg (0.2 mg/L) *	
		Lead -	1.10 mg/kg	100 mg/kg (5 mg/L)*	
		Selenium -	1.29 mg/kg	20 mg/kg (1 mg/L) *	
4416H-09	Door Caulk	Silver -	<0.495 mg/kg	100 mg/kg (5 mg/L) *	1964
		Arsenic -	<0.495 mg/kg	100 mg/kg (5 mg/L)*	
		Barium -	<4.95 mg/kg	2,000 mg/kg (100 mg/L)*	
		Cadmium -	<0.248 mg/kg	20 mg/kg (1 mg/L) *	
		Chromium -	0.770 mg/kg	100 mg/kg (5 mg/L) *	
		Mercury -	0.0144 mg/kg	4 mg/kg (0.2 mg/L) *	
		Lead -	0.650 mg/kg	100 mg/kg (5 mg/L)*	
		Selenium -	3.04 mg/kg	20 mg/kg (1 mg/L) *	
4416H-10	Door Glazing Compound	Silver -	<1.96 mg/kg	100 mg/kg (5 mg/L) *	1964
		Arsenic -	1.38 mg/kg	100 mg/kg (5 mg/L)*	
		Barium -	18.8 mg/kg	2,000 mg/kg (100 mg/L)*	
		Cadmium -	0.271 mg/kg	20 mg/kg (1 mg/L) *	
		Chromium -	9.57 mg/kg	100 mg/kg (5 mg/L) *	
		Mercury -	<0.00734 mg/kg	4 mg/kg (0.2 mg/L) *	
		Lead -	9.59 mg/kg	100 mg/kg (5 mg/L)*	
		Selenium -	5.31 mg/kg	20 mg/kg (1 mg/L) *	
4416H-13	Unit Ventilator Louver Caulk	Silver -	<2.38 mg/kg	100 mg/kg (5 mg/L) *	1964
		Arsenic -	<0.476 mg/kg	100 mg/kg (5 mg/L)*	
		Barium -	6.06 mg/kg	2,000 mg/kg (100 mg/L)*	
		Cadmium -	0.430 mg/kg	20 mg/kg (1 mg/L) *	
		Chromium -	95.2 mg/kg	100 mg/kg (5 mg/L) *	
		Mercury -	0.00964 mg/kg	4 mg/kg (0.2 mg/L) *	
		Lead -	611 mg/k	100 mg/kg (5 mg/L)*	
		Selenium -	6.24 mg/kg	20 mg/kg (1 mg/L) *	
4416H-13	Unit Ventilator Louver Caulk	PCBs -	<5.10 ppm	50 ppm (mg/kg)	1964
		Silver -	<2.38 mg/kg	100 mg/kg (5 mg/L) *	
		Arsenic -	<0.476 mg/kg	100 mg/kg (5 mg/L)*	
		Barium -	6.06 mg/kg	2,000 mg/kg (100 mg/L)*	
		Cadmium -	0.430 mg/kg	20 mg/kg (1 mg/L) *	
		Chromium -	95.2 mg/kg	100 mg/kg (5 mg/L) *	
		Mercury -	0.00964 mg/kg	4 mg/kg (0.2 mg/L) *	
		Lead -	611 mg/k	100 mg/kg (5 mg/L)*	

NOTE:

Identified regulatory level for RCRA metal results (Silver, Arsenic, Barium, Cadmium, Chromium, Mercury, Lead and Selenium) is calculated based on the TCLP regulatory level and the "Rule of 20". The final determination of whether a waste stream is defined as hazardous waste is based on a cross section of the entire waste stream that is analyzed by TCLP methods, not analysis of the caulk for total contaminant.

ND= Not Detected

Table 1.1 - Caulk Bulk Sample Results Summary

[illegible]

NOTE:

* = Identified regulatory level for RCRA metal results (Silver, Arsenic, Barium, Cadmium, Chromium, Mercury, Lead and Selenium) is calculated based on the TCLP regulatory level and the "Rule of 20". The final determination of whether a waste stream is defined as hazardous waste is based on a cross section of the entire waste stream that is analyzed by TCLP methods, not analysis of the caulk for total contaminant.

ND= Not Detected

Appendix B

Caulk Sample Laboratory Reports and Chains of Custody



Friday, September 04, 2015

Attn: Ms Sandra Gheen
Gheen Engineering, PLLC
44 Glenridge Road
Whitesboro NY 13492

Project ID: MARCELLUS CSD MAIN
Sample ID#s: BJ85062

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in black ink that reads "Phyllis Shiller". The signature is written in a cursive style.

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

September 04, 2015

FOR: Attn: Ms Sandra Gheen
Gheen Engineering, PLLC
44 Glenridge Road
Whitesboro NY 13492

Sample Information

Matrix: SOLID
Location Code: GHEEN
Rush Request: Standard
P.O.#: 15S-1031

Custody Information

Collected by: SG
Received by: LK
Analyzed by: see "By" below

Date

08/26/15
09/02/15

Time

9:50
10:34

Laboratory Data

SDG ID: GBJ85062
Phoenix ID: BJ85062

Project ID: MARCELLUS CSD MAIN
Client ID: 82614H DOOR CAULK

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.49	0.49	mg/Kg	1	09/03/15	EK	SW6010C
Arsenic	< 1.0	1.0	mg/Kg	1	09/03/15	EK	SW6010C
Barium	38.1	0.49	mg/Kg	1	09/03/15	EK	SW6010C
Cadmium	< 0.49	0.49	mg/Kg	1	09/03/15	EK	SW6010C
Chromium	2.31	0.49	mg/Kg	1	09/03/15	EK	SW6010C
Mercury	252	12	mg/Kg	1	09/03/15	RS	SW7471B
Lead	1.95	0.49	mg/Kg	1	09/03/15	EK	SW6010C
Selenium	< 2.0	2.0	mg/Kg	1	09/03/15	EK	SW6010C
Mercury Digestion	Completed				09/03/15	I/I	SW7471B
Total Metals Digest	Completed				09/02/15	G/AG	SW3050B

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected
BRL=Below Reporting Level

Comments:

Results are reported on an "as received" basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director

September 04, 2015

Reviewed and Released by: Bobbi Aloisa, Vice President



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



QA/QC Report

September 04, 2015

QA/QC Data

SDG I.D.: GBJ85062

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 319164 (mg/kg), QC Sample No: BJ85010 (BJ85062)													
<u>ICP Metals - Soil</u>													
Arsenic	BRL	0.67	1.5	1.35	NC	93.6	93.5	0.1	91.6	92.3	0.8	75 - 125	30
Barium	BRL	0.33	31.6	34.6	9.10	97.1	96.7	0.4	103	102	1.0	75 - 125	30
Cadmium	BRL	0.33	<0.36	<0.34	NC	89.4	90.5	1.2	92.3	92.9	0.6	75 - 125	30
Chromium	BRL	0.33	9.64	10.5	8.50	92.2	93.7	1.6	99.9	99.8	0.1	75 - 125	30
Lead	BRL	0.33	2.95	3.58	19.3	101	100	1.0	93.1	93.8	0.7	75 - 125	30
Selenium	BRL	1.3	<1.4	<1.4	NC	93.9	93.9	0.0	81.1	81.2	0.1	75 - 125	30
Silver	BRL	0.33	<0.36	<0.34	NC	94.2	95.1	1.0	95.9	96.3	0.4	75 - 125	30

QA/QC Batch 319203 (mg/kg), QC Sample No: BJ85010 (BJ85062)

Mercury - Soil	BRL	0.06	<0.03	<0.03	NC	106	92.7	13.4	96.3	87.9	9.1	70 - 130	30
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Comment:

Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis Shiller, Laboratory Director

September 04, 2015

Sample Criteria Exceedences Report
GBJ85062 - GHEEN

Criteria: None

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
--------	-------	-----------------	----------	--------	----	----------	----------------	-------------------

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



NY Temperature Narration

September 04, 2015

SDG I.D.: GBJ85062

The samples in this delivery group were received at 21°C.
(Note acceptance criteria is above freezing up to 6°C)



NY/NJ CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823

Client Services (860) 645-8726

Temp 2 Pg 1 of 1

Data Delivery:

Fax #: _____

■ Email Sandra.gheen@gheenenv.com

Customer: Gheen Environmental Services, LLC.

Project: Marcellus CSD Main

Project P.O: 15S-031

Address: 44 Glenridge Road

Report to: Sandra Gheen

Phone #: 315-761-7800

Whitesboro, NY 13492

Invoice to: Sandra Gheen

Fax #: 315-362-9583

Client Sample - Information - Identification

Sampler's Signature Karl L. [Signature] Date: 8/31/2015

Analysis Request

Matrix Code:

DW=drinking water
GW=groundwater

WW=wastewater
SL=sludge

S=soil/solid
A=air

O=oil
X=other

[illegible][illegible]

Relinquished by:

Accepted by:

Date:

Time:

Turnaround:

NJ

NY

Data Format

<input type="checkbox"/>	1 Day*
<input type="checkbox"/>	2 Days*
<input type="checkbox"/>	3 Days*
<input checked="" type="checkbox"/>	Standard
<input type="checkbox"/>	Other

☐ Res. Criteria
☐ Non-Res. Criteria
☐ Impact to GW Soil
Cleanup Criteria
☐ GW Criteria

☐ TAGM 4046 GW

☐ TAGM 4046 SOIL

☐ NY375 Unrestricted
Soil

☐ NY375 Residential
Soil

☐ NY375 Restricted
Non-Residential Soil

☐ Phoenix Std Report
☐ Excel
☐ PDF
☐ GIS/Key
☐ EQuIS
☐ NJ Hazsite EDD
☐ NY EZ EDD (ASP)
☐ Other

Comments, Special Requirements or Regulations:

*** SURCHARGE
APPLIES**

State where samples were collected: NY

Data Package

☐ NJ Reduced Deliv. *
☐ NY Enhanced (ASP B) *
☐ Other _____



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report For
Gheen Environmental

For Lab Project ID

161308

Referencing

Marcellus 15S-031

Prepared

Wednesday, April 13, 2016

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below:

Reduced sample size used for PCB analysis due to limited sample volume.

A handwritten signature in black ink, consisting of a series of loops and a long horizontal stroke, positioned above a horizontal line.

Certifies that this report has been approved by the Technical Director or Designee

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Report Prepared Wednesday, April 13, 2016

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Lab Project ID: 161308

Client: **Gheen Environmental**

Project Reference: Marcellus 15S-031

Sample Identifier: 41416H-02 Unit Ventilator Louver Caulk

Lab Sample ID: 161308-01

Date Sampled: 4/4/2016

Matrix: Caulk

Date Received: 4/6/2016

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	0.0110	mg/Kg		4/8/2016 12:47
Method Reference(s): EPA 7471B				
Preparation Date: 4/7/2016				
Data File: Hg160408A				

RCRA Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	< 0.490	mg/Kg		4/7/2016 16:38
Barium	61.8	mg/Kg		4/7/2016 16:38
Cadmium	< 0.245	mg/Kg		4/7/2016 16:38
Chromium	0.672	mg/Kg		4/7/2016 16:38
Lead	33.9	mg/Kg		4/7/2016 16:38
Selenium	7.72	mg/Kg		4/7/2016 16:38
Silver	< 1.96	mg/Kg		4/8/2016 09:42
Method Reference(s): EPA 6010C				
EPA 3050B				
Preparation Date: 4/6/2016				
Data File: 040716b				

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 4.31	mg/Kg		4/8/2016 02:29
PCB-1221	< 4.31	mg/Kg		4/8/2016 02:29
PCB-1232	< 4.31	mg/Kg		4/8/2016 02:29
PCB-1242	< 4.31	mg/Kg		4/8/2016 02:29
PCB-1248	< 4.31	mg/Kg		4/8/2016 02:29
PCB-1254	< 4.31	mg/Kg		4/8/2016 02:29
PCB-1260	< 4.31	mg/Kg		4/8/2016 02:29
PCB-1262	< 4.31	mg/Kg		4/8/2016 02:29
PCB-1268	< 4.31	mg/Kg		4/8/2016 02:29

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Lab Project ID: 161308

Client: Gheen Environmental

Project Reference: Marcellus 15S-031

Sample Identifier: 41416H-02 Unit Ventilator Louver Caulk

Lab Sample ID: 161308-01

Date Sampled: 4/4/2016

Matrix: Caulk

Date Received: 4/6/2016

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
Decachlorobiphenyl	47.4	0.53 - 137		4/8/2016	02:29
Tetrachloro-m-xylene	49.1	0 - 138		4/8/2016	02:29
Method Reference(s): EPA 8082A					
EPA 3550C					
Preparation Date: 4/7/2016					



Lab Project ID: 161308

Client: **Gheen Environmental**

Project Reference: Marcellus 15S-031

Sample Identifier: 41416H-03 Window Caulk

Lab Sample ID: 161308-02

Date Sampled: 4/4/2016

Matrix: Caulk

Date Received: 4/6/2016

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	< 0.00705	mg/Kg		4/8/2016 12:51
Method Reference(s): EPA 7471B				
Preparation Date: 4/7/2016				
Data File: Hg160408A				

RCRA Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	< 0.472	mg/Kg		4/7/2016 16:42
Barium	< 4.72	mg/Kg		4/7/2016 16:42
Cadmium	< 0.236	mg/Kg		4/7/2016 16:42
Chromium	0.740	mg/Kg		4/7/2016 16:42
Lead	0.646	mg/Kg		4/7/2016 16:42
Selenium	2.79	mg/Kg		4/7/2016 16:42
Silver	< 0.472	mg/Kg		4/7/2016 16:42
Method Reference(s): EPA 6010C				
EPA 3050B				
Preparation Date: 4/6/2016				
Data File: 040716b				

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 47.6	mg/Kg		4/10/2016 23:24
PCB-1221	< 47.6	mg/Kg		4/10/2016 23:24
PCB-1232	< 47.6	mg/Kg		4/10/2016 23:24
PCB-1242	< 47.6	mg/Kg		4/10/2016 23:24
PCB-1248	< 47.6	mg/Kg		4/10/2016 23:24
PCB-1254	308	mg/Kg		4/10/2016 23:24
PCB-1260	< 47.6	mg/Kg		4/10/2016 23:24
PCB-1262	< 47.6	mg/Kg		4/10/2016 23:24
PCB-1268	< 47.6	mg/Kg		4/10/2016 23:24

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Lab Project ID: 161308

Client: **Gheen Environmental**

Project Reference: Marcellus 15S-031

Sample Identifier: 41416H-03 Window Caulk

Lab Sample ID: 161308-02

Date Sampled: 4/4/2016

Matrix: Caulk

Date Received: 4/6/2016

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
Decachlorobiphenyl	NC	0.53 - 137		4/10/2016	23:24
Tetrachloro-m-xylene	NC	0 - 138		4/10/2016	23:24
Method Reference(s): EPA 8082A					
EPA 3550C					
Preparation Date: 4/7/2016					



Lab Project ID: 161308

Client: **Gheen Environmental**

Project Reference: Marcellus 15S-031

Sample Identifier: 41416H-04 Sill Caulk

Lab Sample ID: 161308-03

Date Sampled: 4/4/2016

Matrix: Caulk

Date Received: 4/6/2016

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	0.0147	mg/Kg		4/8/2016 12:54
Method Reference(s): EPA 7471B				
Preparation Date: 4/7/2016				
Data File: Hg160408A				

RCRA Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	< 0.455	mg/Kg		4/7/2016 16:47
Barium	5.68	mg/Kg		4/7/2016 16:47
Cadmium	< 0.227	mg/Kg		4/7/2016 16:47
Chromium	1.49	mg/Kg		4/7/2016 16:47
Lead	3.20	mg/Kg		4/7/2016 16:47
Selenium	5.39	mg/Kg		4/7/2016 16:47
Silver	< 1.82	mg/Kg		4/8/2016 09:47
Method Reference(s): EPA 6010C				
EPA 3050B				
Preparation Date: 4/6/2016				
Data File: 040716b				

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 2500	mg/Kg		4/10/2016 23:47
PCB-1221	< 2500	mg/Kg		4/10/2016 23:47
PCB-1232	< 2500	mg/Kg		4/10/2016 23:47
PCB-1242	< 2500	mg/Kg		4/10/2016 23:47
PCB-1248	< 2500	mg/Kg		4/10/2016 23:47
PCB-1254	15400	mg/Kg		4/10/2016 23:47
PCB-1260	< 2500	mg/Kg		4/10/2016 23:47
PCB-1262	< 2500	mg/Kg		4/10/2016 23:47
PCB-1268	< 2500	mg/Kg		4/10/2016 23:47

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Lab Project ID: 161308

Client: Gheen Environmental

Project Reference: Marcellus 15S-031

Sample Identifier: 41416H-04 Sill Caulk

Lab Sample ID: 161308-03

Date Sampled: 4/4/2016

Matrix: Caulk

Date Received: 4/6/2016

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>	
Decachlorobiphenyl	NC	0.53 - 137		4/10/2016	23:47
Tetrachloro-m-xylene	NC	0 - 138		4/10/2016	23:47
Method Reference(s): EPA 8082A					
EPA 3550C					
Preparation Date: 4/7/2016					



Lab Project ID: 161308

Client: **Gheen Environmental**

Project Reference: Marcellus 15S-031

Sample Identifier: 41416H-08 Window/Door Caulk

Lab Sample ID: 161308-04

Date Sampled: 4/4/2016

Matrix: Caulk

Date Received: 4/6/2016

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	27.1	mg/Kg		4/8/2016 13:04
Method Reference(s): EPA 7471B				
Preparation Date: 4/7/2016				
Data File: Hg160408A				

RCRA Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	< 0.476	mg/Kg		4/7/2016 16:59
Barium	72.7	mg/Kg		4/7/2016 16:59
Cadmium	< 0.238	mg/Kg		4/7/2016 16:59
Chromium	4.91	mg/Kg		4/7/2016 16:59
Lead	1.10	mg/Kg		4/7/2016 16:59
Selenium	1.29	mg/Kg		4/13/2016 09:55
Silver	< 0.476	mg/Kg		4/7/2016 16:59
Method Reference(s): EPA 6010C				
EPA 3050B				
Preparation Date: 4/6/2016				
Data File: 040716b				



Lab Project ID: 161308

Client: **Gheen Environmental**

Project Reference: Marcellus 15S-031

Sample Identifier: 41416H-09 Door Caulk

Lab Sample ID: 161308-05

Date Sampled: 4/4/2016

Matrix: Caulk

Date Received: 4/6/2016

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	0.0144	mg/Kg		4/8/2016 13:07
Method Reference(s): EPA 7471B				
Preparation Date: 4/7/2016				
Data File: Hg160408A				

RCRA Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	< 0.495	mg/Kg		4/7/2016 17:04
Barium	< 4.95	mg/Kg		4/7/2016 17:04
Cadmium	< 0.248	mg/Kg		4/7/2016 17:04
Chromium	0.770	mg/Kg		4/7/2016 17:04
Lead	0.650	mg/Kg		4/7/2016 17:04
Selenium	3.04	mg/Kg		4/7/2016 17:04
Silver	< 0.495	mg/Kg		4/7/2016 17:04
Method Reference(s): EPA 6010C				
EPA 3050B				
Preparation Date: 4/6/2016				
Data File: 040716b				

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 4.72	mg/Kg		4/8/2016 03:38
PCB-1221	< 4.72	mg/Kg		4/8/2016 03:38
PCB-1232	< 4.72	mg/Kg		4/8/2016 03:38
PCB-1242	< 4.72	mg/Kg		4/8/2016 03:38
PCB-1248	< 4.72	mg/Kg		4/8/2016 03:38
PCB-1254	16.5	mg/Kg		4/8/2016 03:38
PCB-1260	< 4.72	mg/Kg		4/8/2016 03:38
PCB-1262	< 4.72	mg/Kg		4/8/2016 03:38
PCB-1268	< 4.72	mg/Kg		4/8/2016 03:38

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Lab Project ID: 161308

Client: Gheen Environmental

Project Reference: Marcellus 15S-031

Sample Identifier: 41416H-09 Door Caulk

Lab Sample ID: 161308-05

Date Sampled: 4/4/2016

Matrix: Caulk

Date Received: 4/6/2016

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
Decachlorobiphenyl	49.1	0.53 - 137		4/8/2016	03:38
Tetrachloro-m-xylene	48.6	0 - 138		4/8/2016	03:38
Method Reference(s): EPA 8082A					
EPA 3550C					
Preparation Date: 4/7/2016					



Lab Project ID: 161308

Client: **Gheen Environmental**

Project Reference: Marcellus 15S-031

Sample Identifier: 41416H-10 Door Glazing Compound

Lab Sample ID: 161308-06

Date Sampled: 4/4/2016

Matrix: Caulk

Date Received: 4/6/2016

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	< 0.00734	mg/Kg		4/8/2016 13:11
Method Reference(s): EPA 7471B				
Preparation Date: 4/7/2016				
Data File: Hg160408A				

RCRA Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	1.38	mg/Kg		4/8/2016 10:08
Barium	18.8	mg/Kg		4/7/2016 17:08
Cadmium	0.271	mg/Kg		4/7/2016 17:08
Chromium	9.57	mg/Kg		4/7/2016 17:08
Lead	9.59	mg/Kg		4/7/2016 17:08
Selenium	5.31	mg/Kg		4/7/2016 17:08
Silver	< 1.96	mg/Kg		4/8/2016 09:55
Method Reference(s): EPA 6010C				
EPA 3050B				
Preparation Date: 4/6/2016				
Data File: 040816a				

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 4.42	mg/Kg		4/8/2016 04:01
PCB-1221	< 4.42	mg/Kg		4/8/2016 04:01
PCB-1232	< 4.42	mg/Kg		4/8/2016 04:01
PCB-1242	< 4.42	mg/Kg		4/8/2016 04:01
PCB-1248	< 4.42	mg/Kg		4/8/2016 04:01
PCB-1254	< 4.42	mg/Kg		4/8/2016 04:01
PCB-1260	< 4.42	mg/Kg		4/8/2016 04:01
PCB-1262	< 4.42	mg/Kg		4/8/2016 04:01
PCB-1268	< 4.42	mg/Kg		4/8/2016 04:01

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Lab Project ID: 161308

Client: Gheen Environmental

Project Reference: Marcellus 15S-031

Sample Identifier: 41416H-10 Door Glazing Compound

Lab Sample ID: 161308-06

Date Sampled: 4/4/2016

Matrix: Caulk

Date Received: 4/6/2016

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>	
Decachlorobiphenyl	105	0.53 - 137		4/8/2016	04:01
Tetrachloro-m-xylene	90.1	0 - 138		4/8/2016	04:01
Method Reference(s): EPA 8082A					
EPA 3550C					
Preparation Date: 4/7/2016					



Lab Project ID: 161308

Client: **Gheen Environmental**

Project Reference: Marcellus 15S-031

Sample Identifier: 41416H-13 Unit Ventilator Louver Caulk

Lab Sample ID: 161308-07

Date Sampled: 4/4/2016

Matrix: Caulk

Date Received: 4/6/2016

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	0.00964	mg/Kg		4/8/2016 13:14
Method Reference(s): EPA 7471B				
Preparation Date: 4/7/2016				
Data File: Hg160408A				

RCRA Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	< 0.476	mg/Kg		4/7/2016 17:13
Barium	6.06	mg/Kg		4/7/2016 17:13
Cadmium	0.430	mg/Kg		4/7/2016 17:13
Chromium	95.2	mg/Kg		4/7/2016 17:13
Lead	611	mg/Kg		4/7/2016 17:13
Selenium	6.24	mg/Kg		4/7/2016 17:13
Silver	< 2.38	mg/Kg		4/8/2016 10:13
Method Reference(s): EPA 6010C				
EPA 3050B				
Preparation Date: 4/6/2016				
Data File: 040716b				

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 5.10	mg/Kg		4/8/2016 04:25
PCB-1221	< 5.10	mg/Kg		4/8/2016 04:25
PCB-1232	< 5.10	mg/Kg		4/8/2016 04:25
PCB-1242	< 5.10	mg/Kg		4/8/2016 04:25
PCB-1248	< 5.10	mg/Kg		4/8/2016 04:25
PCB-1254	< 5.10	mg/Kg		4/8/2016 04:25
PCB-1260	< 5.10	mg/Kg		4/8/2016 04:25
PCB-1262	< 5.10	mg/Kg		4/8/2016 04:25
PCB-1268	< 5.10	mg/Kg		4/8/2016 04:25

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Lab Project ID: 161308

Client: **Gheen Environmental**

Project Reference: Marcellus 15S-031

Sample Identifier: 41416H-13 Unit Ventilator Louver Caulk

Lab Sample ID: 161308-07

Date Sampled: 4/4/2016

Matrix: Caulk

Date Received: 4/6/2016

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
Decachlorobiphenyl	108	0.53 - 137		4/8/2016	04:25
Tetrachloro-m-xylene	96.6	0 - 138		4/8/2016	04:25
Method Reference(s): EPA 8082A					
EPA 3550C					
Preparation Date: 4/7/2016					



Lab Project ID: 161308

Client: **Gheen Environmental**

Project Reference: Marcellus 15S-031

Sample Identifier: 41416H-14 Window Glazing Compound

Lab Sample ID: 161308-08

Date Sampled: 4/4/2016

Matrix: Caulk

Date Received: 4/6/2016

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	1.35	mg/Kg		4/8/2016 13:27
Method Reference(s): EPA 7471B				
Preparation Date: 4/7/2016				
Data File: Hg160408A				

RCRA Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Arsenic	0.618	mg/Kg		4/8/2016 10:21
Barium	15.8	mg/Kg		4/7/2016 17:16
Cadmium	< 0.245	mg/Kg		4/7/2016 17:16
Chromium	20.7	mg/Kg		4/7/2016 17:16
Lead	113	mg/Kg		4/7/2016 17:16
Selenium	9.99	mg/Kg		4/7/2016 17:16
Silver	< 2.45	mg/Kg		4/8/2016 10:17
Method Reference(s): EPA 6010C				
EPA 3050B				
Preparation Date: 4/6/2016				
Data File: 040816a				

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 4.78	mg/Kg		4/8/2016 04:48
PCB-1221	< 4.78	mg/Kg		4/8/2016 04:48
PCB-1232	< 4.78	mg/Kg		4/8/2016 04:48
PCB-1242	< 4.78	mg/Kg		4/8/2016 04:48
PCB-1248	< 4.78	mg/Kg		4/8/2016 04:48
PCB-1254	< 4.78	mg/Kg		4/8/2016 04:48
PCB-1260	< 4.78	mg/Kg		4/8/2016 04:48
PCB-1262	< 4.78	mg/Kg		4/8/2016 04:48
PCB-1268	< 4.78	mg/Kg		4/8/2016 04:48

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Lab Project ID: 161308

Client: Gheen Environmental

Project Reference: Marcellus 15S-031

Sample Identifier: 41416H-14 Window Glazing Compound

Lab Sample ID: 161308-08

Date Sampled: 4/4/2016

Matrix: Caulk

Date Received: 4/6/2016

<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Limits</u>	<u>Outliers</u>	<u>Date Analyzed</u>	
Decachlorobiphenyl	57.5	0.53 - 137		4/8/2016	04:48
Tetrachloro-m-xylene	51.2	0 - 138		4/8/2016	04:48
Method Reference(s): EPA 8082A					
EPA 3550C					
Preparation Date: 4/7/2016					



Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

"J" = Result estimated between the quantitation limit and half the quantitation limit.

"L" = Laboratory Control Sample recovery outside accepted QC limits.

"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.

"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.

"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*

"(1)" = Indicates data from primary column used for QC calculation.

"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.

"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

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GENERAL TERMS AND CONDITIONS

LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty.

Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation.

LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB will use LAB default method for all tests unless specified otherwise on the Work Order.

Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices.

Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

Limitations of Liability.

In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.

LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.

All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.

Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure.

Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling.

Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.

Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on the final report.

Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.

LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility.

LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment.

LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure.

LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law.

This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

CHAIN OF CUSTODY

1 of 2



REPORT TO:

INVOICE TO:

LAB PROJECT ID

 CLIENT: Gheen Environmental Services
 ADDRESS: 44 Glenridge Road
 CITY: Whitesboro STATE: NY ZIP 13492

 CLIENT: Same
 ADDRESS:
 CITY: STATE: ZIP:

161308

PHONE: 315-264-0283

PHONE:

Quotation #: MS 102015B

ATTN:

Stephen Gheen

ATTN:

Email:

PROJECT REFERENCE

Marcellus 15S-031

Matrix Codes:

 AQ - Aqueous Liquid
 NA - Non-Aqueous Liquid

 WA - Water
 WG - Groundwater

 DW - Drinking Water
 WW - Wastewater

 SO - Soil
 SL - Sludge

 SD - Solid
 PT - Paint

 WP - Wipe
 CK - Caulk

 OL - Oil
 AR - Air

stephen.gheen@gheeneng.com

REQUESTED ANALYSIS

DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRADES	SAMPLE IDENTIFIER	MC AD T R E S	NO UN T B A I R N O F S	PCBs	RCRA 8 Metals	REMARKS	PARADIGM LAB SAMPLE NUMBER
4/4/2016	13:30		X	41416H-02 Unit Ventilator Louver Caulk	CK	1	X	X		01
4/4/2016	13:35		X	41416H-03 Window Caulk	CK	1	X	X		02
4/4/2016	13:38		X	41416H-04 Sill Caulk	CK	1	X	X		03
4/4/2016	13:50		X	41416H-08 Window/Door Caulk	CK	1	X	X		04
4/4/2016	13:55		X	41416H-09 Door Caulk	CK	1	X	X		05
4/4/2016	14:00		X	41416H-10 Door Glazing Compound	CK	1	X	X		06
4/4/2016	14:06		X	41416H-13 Unit Ventilator Louver Caulk	CK	1	X	X		07
4/4/2016	15:42		X	41416H-14 Window Glazing Compound	CK	1	X	X		08

Turnaround Time

Report Supplements

Availability contingent upon lab approval; additional fees may apply.

Standard 5 day

☒

None Required

☐

None Required

☐

10 day

☐

Batch QC

☐

Basic EDD

☐

Rush 3 day

☐

Category A

☐

NYSDEC EDD

☐

Rush 2 day

☐

Category B

☐

Rush 1 day

☐

Other

☐

please indicate date needed:

Other

☐

Other EDD

☐

please indicate EDD needed:

Stephen Gheen

4/4/2016

Sampled By

Date/Time

Total Cost:

Stephen Gheen

4/6/2016

Relinquished By

Date/Time

Received By

Date/Time

P.I.F.

Received @ Lab By

Date/Time

 By signing this form, client agrees to Paradigm Terms and Conditions (reverse).
 18°C 4/6/16 10:53
 4/6/16 11:04



2 of 2

Chain of Custody Supplement

Client: Green Environmental Completed by: Glenn Pezzulo
Lab Project ID: 161308 Date: 4/6/16

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

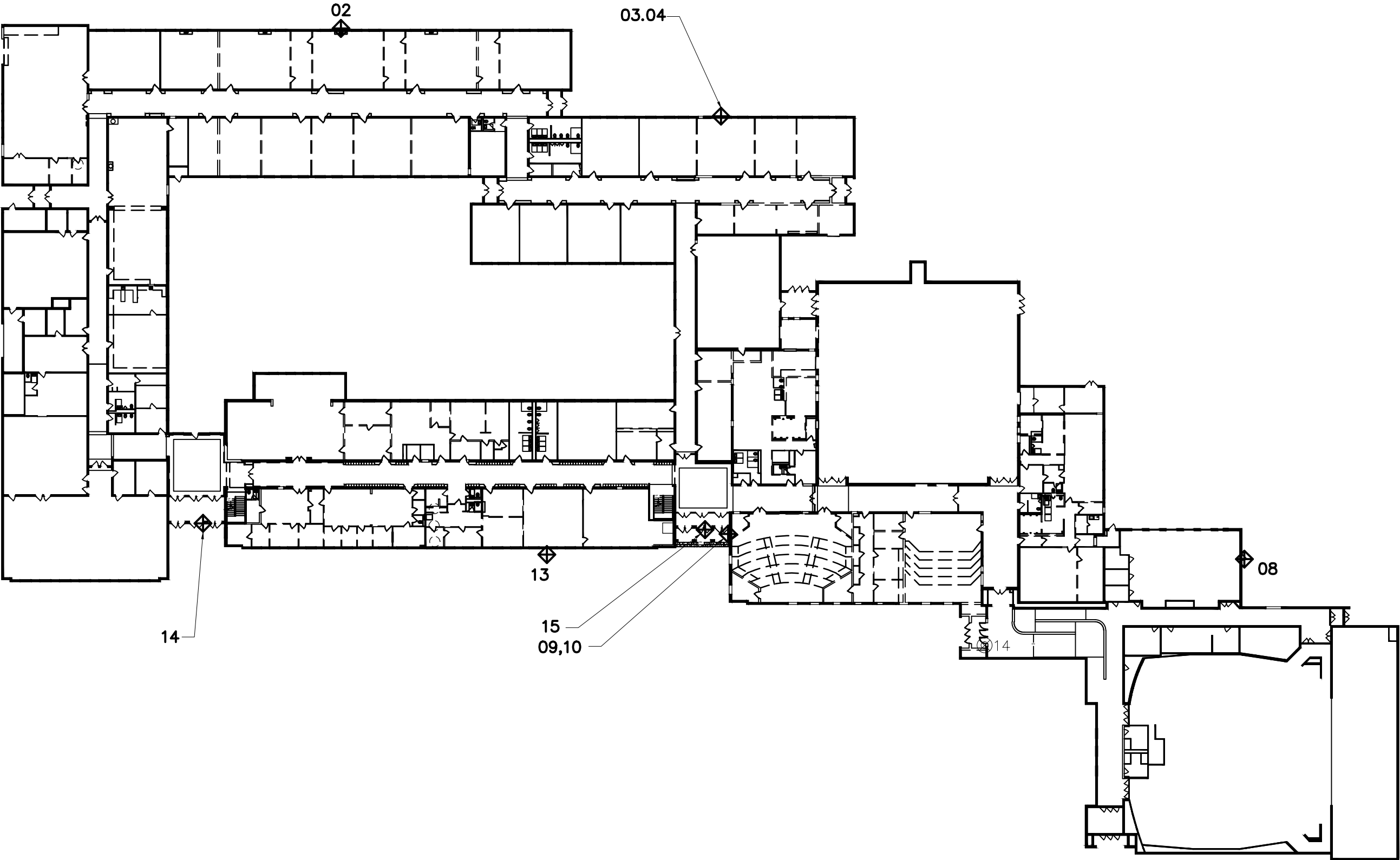
Condition	NELAC compliance with the sample condition requirements upon receipt		
	Yes	No	N/A
Container Type	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments			
Transferred to method-compliant container	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Headspace (<1 mL)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments			
Preservation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments			
Chlorine Absent (<0.10 ppm per test strip)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments			
Holding Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments			
Temperature	<input type="checkbox"/>	<input checked="" type="checkbox"/> PCB Hg	<input checked="" type="checkbox"/>
Comments			
Sufficient Sample Quantity	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Comments	<u>1308-01, -07 1im vol</u>		

Appendix C

Survey Drawings

LEGEND

- ⊗ Sample Locations Preceded by "82614H-"
- ⬠ Sample Locations Preceded by "4416H-"
- XX Sample Number



DRAWING NUMBER:

SLP-1

Project No.: 15S-031

Date: 4/19/2016

Drawn By: skg

Scale: NTS

Marcellus CSD
Marcellus High School
First Floor Caulk Sample Location Plans



Gheen Environmental Services, LLC
44 Glenridge Road
Ph: 315.761.7800
Fax: 315.362.9583
NY 13492

May 27, 2016

Mr. Matt Schools
SEI Design Group
187 Wolf Road
Albany, New York 12205

Re: Marcellus CSD – Vermiculite in Surfacing Material Asbestos Re-Inspection

Dear Matt:

This is a report of field observations from an asbestos inspection performed for vermiculite in Plaster and Fireproofing to bring the sampling up to date per the new requirements issued by DOH. This is in relation to the project being designed by SEI Design group # 15-3019.00

On Monday May 16, 2016, Gheen Environmental Services visited Marcellus CSD, Heffernan Elementary School and the Driver Middle School, Marcellus, New York to perform an asbestos re-inspection for vermiculite in plaster and fireproofing in the areas of the building scheduled for renovation work by SEI Design Group. All asbestos survey work was performed by certified asbestos inspectors Stephen R. Gheen (Certificate Number 88-05471) and Sandra L. Gheen (Certificate Number 11-02272).

A previous asbestos inspection was performed by Gheen Environmental Services, dated May 2016. The previous inspection report was the starting point for the re-inspection.

All plaster and fireproofing that had not been sampled since June 22, 2012, the date when the labs were first required to begin looking for vermiculite in surfacing materials were re-sampled.

The tested material consisted of the following:

Heffernan Elementary School

Sand Plaster and Smooth Plaster – 1953 Vintage
Sand Plaster and Smooth Plaster – 1964 Vintage

Driver Middle School

Sand Plaster and Smooth Plaster – 1936 Vintage
Sand Plaster, Smooth Plaster and Fireproofing – 1958 Vintage

Upon receipt of bulk sample analysis, it was determined that none of these materials contained vermiculite.

This report is considered to be accurate as of the date of inspection

A copy of Gheen Environmental Services' asbestos license and Stephen and Sandra Gheens asbestos certifications are attached.

Mr. Schools
May 27, 2016
Page 2 of 2

If you have any questions, or require additional information, please let us know.

Sincerely,

Gheen Environmental Services, LLC

A handwritten signature in blue ink that reads "Sandra L. Gheen". The signature is written in a cursive, flowing style.

Sandra L. Gheen
Managing Member

Appendix A

Asbestos Bulk Sample

Results Summary

Elementary School

Table 1.1 - Asbestos Bulk Sample Results Summary

SAMPLE NUMBER	RESULTS	MATERIAL	LOCATION	VINTAGE
51616E- 1	NAD	Sand Plaster - Surface Coat	Classroom 115	1964
51616E- 2	NAD	Sand Plaster - Brown Coat	Classroom 115	1964
51616E- 3	NAD	Smooth Plaster - Surface Coat	Toilet Room 113	1964
51616E- 4	NAD	Smooth Plaster - Brown Coat	Toilet Room 113	1964
51616E- 5	NAD	Sand Plaster - Surface Coat	Classroom 113	1964
51616E- 6	NAD	Sand Plaster - Brown Coat	Classroom 113	1964
51616E- 7	NAD	Smooth Plaster - Surface Coat	Classroom 112	1964
51616E- 8	NAD	Smooth Plaster - Brown Coat	Classroom 112	1964
51616E- 9	NAD	Sand Plaster - Surface Coat	Classroom 109	1964
51616E- 10	NAD	Sand Plaster - Brown Coat	Classroom 109	1964
51616E- 11	NAD	Sand Plaster - Surface Coat	Classroom 110	1964
51616E- 12	NAD	Sand Plaster - Brown Coat	Classroom 110	1964
51616E- 13	NAD	Sand Plaster - Surface Coat	Classroom 112	1964
51616E- 14	NAD	Sand Plaster - Brown Coat	Classroom 112	1964
51616E- 15	NAD	Sand Plaster - Surface Coat	Classroom 108	1964
51616E- 16	NAD	Sand Plaster - Brown Coat	Classroom 108	1964
51616E- 17	NAD	Sand Plaster - Surface Coat	Teacher's Lounge 107	1964
51616E- 18	NAD	Sand Plaster - Brown Coat	Teacher's Lounge 107	1964
51616E- 19	NAD	Smooth Plaster - Surface Coat	Toilet Room 117	1964
51616E- 20	NAD	Smooth Plaster - Brown Coat	Toilet Room 117	1964
51616E- 21	NAD	Smooth Plaster - Surface Coat	Toilet Room 37	1953
51616E- 22	NAD	Smooth Plaster - Brown Coat	Toilet Room 37	1953
51616E- 23	NAD	Sand Plaster - Surface Coat	Classroom 37	1953
51616E- 24	NAD	Sand Plaster - Brown Coat	Classroom 37	1953
51616E- 25	NAD	Sand Plaster - Surface Coat	Corridor 011	1953
51616E- 26	NAD	Sand Plaster - Brown Coat	Corridor 011	1953
51616E- 27	NAD	Sand Plaster - Surface Coat	Classroom 39	1953
51616E- 28	NAD	Sand Plaster - Brown Coat	Classroom 39	1953
51616E- 29	NAD	Sand Plaster - Surface Coat	Main Office 056	1953
51616E- 30	NAD	Sand Plaster - Brown Coat	Main Office 056	1953
51616E- 31	NAD	Smooth Plaster - Surface Coat	Janitor's Closet	1953
51616E- 32	NAD	Smooth Plaster - Brown Coat	Janitor's Closet	1953
51616E- 33	NAD	Sand Plaster - Surface Coat	Classroom 44	1953
51616E- 34	NAD	Sand Plaster - Brown Coat	Classroom 44	1953
51616E- 35	NAD	Smooth Plaster - Surface Coat	Toilet Room 51	1953
51616E- 36	NAD	Smooth Plaster - Brown Coat	Toilet Room 51	1953
51616E- 37	NAD	Sand Plaster - Surface Coat	Classroom 50	1953
51616E- 38	NAD	Sand Plaster - Brown Coat	Classroom 50	1953
51616E- 39	NAD	Sand Plaster - Surface Coat	Classroom 21	1953
51616E- 40	NAD	Sand Plaster - Brown Coat	Classroom 21	1953

NOTE: NAD = No Asbestos Detected
 > 1% = Materials with more than 1% asbestos are considered to be ACM (Asbestos Containing Material) and are regulated under state and federal regulations
 1% or less = Not considered to be a ACM (Asbestos Containing Material)

Middle School

Table 1.2 - Asbestos Bulk Sample Results Summary

SAMPLE NUMBER	RESULTS	MATERIAL	LOCATION	VINTAGE
5616M- 1	NAD	Sand Plaster - Surface Coat	Corridor 155A	1958
5616M- 2	NAD	Sand Plaster - Brown Coat	Corridor 155A	1958
5616M- 3	NAD	Fireproofing	Corridor 155A	1958
5616M- 4	NAD	Sand Plaster - Surface Coat	Closet Between 99+100	1958
5616M- 5	NAD	Sand Plaster - Brown Coat	Closet Between 99+100	1958
5616M- 6	NAD	Sand Plaster - Surface Coat	Corridor C106	1958
5616M- 7	NAD	Sand Plaster - Brown Coat	Corridor C106	1958
5616M- 8	NAD	Smooth Plaster - Surface Coat	Kitchen Locker Room	1958
5616M- 9	NAD	Smooth Plaster - Brown Coat	Kitchen Locker Room	1958
5616M- 10	NAD	Sand Plaster - Surface Coat	Closet Room 247	1936
5616M- 11	NAD	Sand Plaster - Brown Coat	Closet Room 247	1936
5616M- 12	NAD	Smooth Plaster - Surface Coat	Girls Room 240	1936
5616M- 13	NAD	Smooth Plaster - Brown Coat	Girls Room 240	1936
5616M- 14	NAD	Smooth Plaster - Surface Coat	Toilet Room Classroom 236	1936
5616M- 15	NAD	Smooth Plaster - Brown Coat	Toilet Room Classroom 236	1936
5616M- 16	NAD	Sand Plaster - Surface Coat	Closet Classroom 236	1936
5616M- 17	NAD	Sand Plaster - Brown Coat	Closet Classroom 236	1936
5616M- 18	NAD	Sand Plaster - Surface Coat	Office 238	1936
5616M- 19	NAD	Sand Plaster - Brown Coat	Office 238	1936
5616M- 20	NAD	Smooth Plaster - Surface Coat	Boys Room 225	1936
5616M- 21	NAD	Smooth Plaster - Brown Coat	Boys Room 225	1936
5616M- 22	NAD	Sand Plaster - Surface Coat	Office 215	1936
5616M- 23	NAD	Sand Plaster - Brown Coat	Office 215	1936
5616M- 24	NAD	Smooth Plaster - Surface Coat	Upper Auditorium	1936
5616M- 25	NAD	Smooth Plaster - Brown Coat	Upper Auditorium	1936
5616M- 26	NAD	Sand Plaster - Surface Coat	Stairway to Upper Auditorium	1936
5616M- 27	NAD	Sand Plaster - Brown Coat	Stairway to Upper Auditorium	1936
5616M- 28	NAD	Smooth Plaster - Surface Coat	Boys Room 100A	1958
5616M- 29	NAD	Smooth Plaster - Brown Coat	Boys Room 100A	1958
5616M- 30	NAD	Sand Plaster - Surface Coat	Elevator Entry	1958
5616M- 31	NAD	Sand Plaster - Brown Coat	Elevator Entry	1958
5616M- 32	NAD	Smooth Plaster - Layered	Elevator Entry Ceiling	1958
5616M- 33	NAD	Sand Plaster - Layered	Faculty Room 99	1958
5616M- 34	NAD	Fireproofing	Corridor 155A	1958
5616M- 35	NAD	Fireproofing	Corridor 155A	1958
5616M- 36	NAD	Sand Plaster - Surface Coat	Corridor 155A	1936
5616M- 37	NAD	Sand Plaster - Brown Coat	Corridor 155A	1936
5616M- 38	NAD	Sand Plaster - Surface Coat	Corridor C103	1936
5616M- 39	NAD	Sand Plaster - Brown Coat	Corridor C103	1936
5616M- 40	NAD	Smooth Plaster - Surface Coat	Girls Room 140	1936

NOTE: NAD = No Asbestos Detected
 > 1% = Materials with more than 1% asbestos are considered to be ACM (Asbestos Containing Material) and are regulated under state and federal regulations
 1% or less = Not considered to be a ACM (Asbestos Containing Material)

Table 1.2 - Asbestos Bulk Sample Results Summary(cont.)

[illegible]

NOTE:

NAD =	No Asbestos Detected
> 1% =	Materials with more than 1% asbestos are considered to be ACM (Asbestos Containing Material) and are regulated under state and federal regulations
1% or less =	Not considered to be a ACM (Asbestos Containing Material)

Appendix B

Laboratory Sample Analysis And Chains of Custody



PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Gheen Environmental Services, LLC

Job No: 4402-16

Location: Marcellus Main
Heffernan Elementary School

Page: 1 of 8

Sample Date: 5/16/2016

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	N O B	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non- Fibrous Matrix Material %
51616E-01	35677	Classroom 115	White Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
51616E-02	35678	Classroom 115	Brown Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
51616E-03	35679	Toilet Room 113	White Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
51616E-04	35680	Toilet Room 113	Brown Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
51616E-05	35681	Classroom 113	White Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
51616E-06	35682	Classroom 113	Brown Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
51616E-07	35683	Classroom 112	White Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
51616E-08	35684	Classroom 112	Brown Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
51616E-09	35685	Classroom 109	White Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
51616E-10	35686	Classroom 109	Brown Plaster	None Detected	0%		Not Required	N/A	None Detected	100%



Lab Code 200530-0 for PLM Analysis

ELAP ID No.: 10958

KEY TO NOB COLUMN SYMBOLS

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

✓ NOB (non-friable organically bound) denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

√ denotes material analyzed by ELAP Method 198.6 (PLM) per NYSDOH. This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

X denotes sample prepped only by ELAP Method 198.6.

** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples," or EPA 600/M4-82-020 per 40 CFR 763 and/or EPA 600/R-93/116 (NVLAP Lab Code 2000530-0)).

PLM Date Analyzed: 5/23/2016

TEM Date Analyzed: N/A

Microscope: Olympus BH-2 #235757

TEM Analyst: N/A

Analyst: B. Weinman

Laboratory Results Approved By:

Asbestos Operations Manager or Designee

Mary Dohr

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PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Gheen Environmental Services, LLC

Job No: 4402-16

Location: Marcellus Main
Heffernan Elementary School

Page: 2 of 8

Sample Date: 5/16/2016

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	N O B	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non- Fibrous Matrix Material %
51616E-11	34587	Classroom 110	White Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
51616E-12	34588	Classroom 110	Brown Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
51616E-13	34589	Classroom 112	White Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
51616E-14	34590	Classroom 112	Brown Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
51616E-15	34591	Classroom 108	White Plaster	None Detected	0%		Not Required	N/A	None Detected	100%



Lab Code 200530-0 for PLM Analysis

ELAP ID No.: 10958

KEY TO NOB COLUMN SYMBOLS

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

✓ NOB (non-friable organically bound) denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

√ denotes material analyzed by ELAP Method 198.6 (PLM) per NYSDOH. This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

X denotes sample prepped only by ELAP Method 198.6.

** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") or EPA 600/M4-82-020 per 40 CFR 763 and/or EPA 600/R-93/116 (NVLAP Lab Code 2000530-0),

PLM Date Analyzed: 5/23/2016

TEM Date Analyzed: N/A

Microscope: Olympus BH-2 #235757

TEM Analyst: N/A

Analyst: B. Weinman

Laboratory Results Approved By:
Asbestos Operations Manager or Designee

Mary Dohr

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PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Gheen Environmental Services, LLC

Job No: 4402-16

Location: Marcellus Main
Heffernan Elementary School

Page: 3 of 8

Sample Date: 5/16/2016

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	N O B	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non- Fibrous Matrix Material %
51616E-16	35692	Classroom 108	Brown Sand Plaster Brown Coat	None Detected	0%		Not Required	N/A	None Detected	100%
51616E-17	35693	Teacher's Lounge 107	White Sand Plaster Surface Coat	None Detected	0%		Not Required	N/A	None Detected	100%
51616E-18	35694	Teacher's Lounge 107	Brown Sand Plaster Brown Coat	None Detected	0%		Not Required	N/A	None Detected	100%
51616E-19	35695	Toilet Room 117	White Smooth Plaster Surface Coat	None Detected	0%		Not Required	N/A	None Detected	100%
51616E-20	35696	Toilet Room 117	Brown Smooth Plaster Brown Coat	None Detected	0%		Not Required	N/A	None Detected	100%
51616E-21	35697	Toilet Room 37	White Smooth Plaster Surface Coat	None Detected	0%		Not Required	N/A	None Detected	100%
51616E-22	35698	Toilet Room 37	Brown Smooth Plaster Brown Coat	None Detected	0%		Not Required	N/A	None Detected	100%
51616E-23	35699	Classroom 37	White Sand Plaster Surface Coat	None Detected	0%		Not Required	N/A	None Detected	100%
51616E-24	35700	Classroom 37	Brown Sand Plaster Brown Coat	None Detected	0%		Not Required	N/A	None Detected	100%
51616E-25	35701	Corridor 011	White Sand Plaster Surface Coat	None Detected	0%		Not Required	N/A	None Detected	100%



Lab Code 200530-0 for PLM Analysis

ELAP ID No.: 10958

KEY TO NOB COLUMN SYMBOLS

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

✓ NOB (non-friable organically bound) denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

∇ denotes material analyzed by ELAP Method 198.6 (PLM) per NYSDOH. This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

X denotes sample prepped only by ELAP Method 198.6.

** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") or EPA 600/M4-82-020 per 40 CFR 763 and/or EPA 600/R-93/116 (NVLAP Lab Code 2000530-0).

PLM Date Analyzed: 5/23/2016

TEM Date Analyzed: N/A

Microscope: Olympus BH-2 #235757

TEM Analyst: N/A

Analyst: B. Weinman

Laboratory Results Approved By:
Asbestos Operations Manager or Designee

Mary Dohr

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PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Gheen Environmental Services, LLC

Job No: 4402-16

Location: Marcellus Main
Heffernan Elementary School

Page: 4 of 8

Sample Date: 5/16/2016

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	N O B	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non- Fibrous Matrix Material %
51616E-26	35702	Classroom 011	Brown Sand Plaster Brown Coat	None Detected	0%		Not Required	N/A	None Detected	100%
51616E-27	35703	Classroom 39	White Sand Plaster Surface Coat	None Detected	0%		Not Required	N/A	None Detected	100%
51616E-28	35704	Classroom 39	Brown Sand Plaster Brown Coat	None Detected	0%		Not Required	N/A	None Detected	100%
51616E-29	35705	Main Office 056	White Sand Plaster Surface Coat	None Detected	0%		Not Required	N/A	None Detected	100%
51616E-30	35706	Main Office 056	Brown Sand Plaster Brown Coat	None Detected	0%		Not Required	N/A	None Detected	100%



Lab Code 200530-0 for PLM Analysis

ELAP ID No.: 10958

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PLM Date Analyzed: 5/23/2016

TEM Date Analyzed: N/A

Microscope: Olympus BH-2 #235757

TEM Analyst: N/A

Analyst: B. Weinman

Laboratory Results Approved By:

Asbestos Operations Manager or Designee

Mary Dohr

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PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Gheen Environmental Services, LLC

Job No: 4402-16

Location: Marcellus Main
Heffernan Elementary School

Page: 5 of 8

Sample Date: 5/16/2016

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	N O B	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non- Fibrous Matrix Material %
51616E-31	35707	Janitor's Closet	White Smooth Plaster Surface Coat	None Detected	0%		Not Required	N/A	None Detected	100%
51616E-32	35708	Janitor's Closet	Brown Smooth Plaster Brown Coat	None Detected	0%		Not Required	N/A	None Detected	100%
51616E-33	35709	Classroom 44	White Sand Plaster Surface Coat	None Detected	0%		Not Required	N/A	None Detected	100%
51616E-34	35710	Classroom 44	Brown Sand Plaster Brown Coat	None Detected	0%		Not Required	N/A	None Detected	100%
51616E-35	35711	Toilet Room 51	White Smooth Plaster Surface Coat	None Detected	0%		Not Required	N/A	None Detected	100%
51616E-36	35712	Toilet Room 51	Brown Smooth Plaster Brown Coat	None Detected	0%		Not Required	N/A	None Detected	100%
51616E-37	35713	Classroom 50	White Sand Plaster Surface Coat	None Detected	0%		Not Required	N/A	None Detected	100%
51616E-38	35714	Classroom 50	Brown Sand Plaster Brown Coat	None Detected	0%		Not Required	N/A	None Detected	100%
51616E-39	35715	Classroom 21	White Sand Plaster Surface Coat	None Detected	0%		Not Required	N/A	None Detected	100%
51616E-40	35716	Classroom 21	Brown Sand Plaster Brown Coat	None Detected	0%		Not Required	N/A	None Detected	100%



Lab Code 200530-0 for PLM Analysis

ELAP ID No.: 10958

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X denotes sample prepped only by ELAP Method 198.6.

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PLM Date Analyzed: 5/23/2016

TEM Date Analyzed: N/A

Microscope: Olympus BH-2 #235757

TEM Analyst: N/A

Analyst: B. Weinman

Laboratory Results Approved By:
Asbestos Operations Manager or Designee

Mary Dohr

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4402-16

Gheen Environmental Services, LLC



44 Glenridge Rd.
Whitesboro, NY 13492

Phone: 315.520-4692
Fax: 315.362.9583

SAMPLE CHAIN OF CUSTODY FORM

PROJECT NAME: Marcellus Main **BUILDING:** Heffernan Elementary School
PROJECT #: 15S-031 **DATE:** 5/16/2016

SAMPLE NUMBER	HM	MATERIAL	SAMPLE LOCATION	VINTAGE
51616E 01		Sand Plaster - Surface Coat	Classroom 115 35677	1964
51616E 02		Sand Plaster - Brown Coat	Classroom 115 678	1964
51616E 03		Smooth Plaster - Surface Coat	Toilet Room 113 679	1964
51616E 04		Smooth Plaster - Brown Coat	Toilet Room 113 680	1964
51616E 05		Sand Plaster - Surface Coat	Classroom 113 681	1964
51616E 06		Sand Plaster - Brown Coat	Classroom 113 682	1964
51616E 07		Smooth Plaster - Surface Coat	Classroom 112 683	1964
51616E 08		Smooth Plaster - Brown Coat	Classroom 112 684	1964
51616E 09		Sand Plaster - Surface Coat	Classroom 109 685	1964
51616E 10		Sand Plaster - Brown Coat	Classroom 109 686	1964
51616E 11		Sand Plaster - Surface Coat	Classroom 110 687	1964
51616E 12		Sand Plaster - Brown Coat	Classroom 110 688	1964
51616E 13		Sand Plaster - Surface Coat	Classroom 112 689	1964
51616E 14		Sand Plaster - Brown Coat	Classroom 112 690	1964
51616E 15		Sand Plaster - Surface Coat	Classroom 108 691	1964

CHAIN OF CUSTODY

COLLECTED BY: <i>[Signature]</i> Sandra Gheen	DATE: 5/19/2016	# OF SAMPLES: 15 This Page
RECEIVED BY: <i>[Signature]</i>	DATE: 5-20-16	# OF SAMPLES:

ANALYSIS

REFERENCE METHOD	METHOD DESCRIPTION
NYS ELAP	NOB & Ceiling Tile with Cellulose-198.6/198.4 (Confirmation Only); All Others - 198.1

INSTRUCTIONS

TURNAROUND:	CONTACT:	FAX:	EMAIL:
5 Day	Sandra Gheen	315.362.9583	Sandra.Gheen@GheenEnv.com
	Stephen Gheen		Stephen.Gheen@GheenEng.com

5/20/16

4402-16

Pg 2 of 3

Gheen Environmental Services, LLC

44 Glenridge Rd.
Whitesboro, NY 13492Phone: 315.520.4692
Fax: 315.362.9583**SAMPLE CHAIN OF CUSTODY FORM**

PROJECT NAME: Marcellus Main

BUILDING: Heffernan Elementary School

PROJECT #: 15S-031

DATE: 5/16/2016

SAMPLE NUMBER	HM	MATERIAL	SAMPLE LOCATION	VINTAGE
51616E 16		Sand Plaster - Brown Coat	Classroom 108 35692	1964
51616E 17		Sand Plaster - Surface Coat	Teacher's Lounge 107 693	1964
51616E 18		Sand Plaster - Brown Coat	Teacher's Lounge 107 694	1964
51616E 19		Smooth Plaster - Surface Coat	Toilet Room 117 695	1964
51616E 20		Smooth Plaster - Brown Coat	Toilet Room 117 696	1964
51616E 21		Smooth Plaster - Surface Coat	Toilet Room 37 697	1953
51616E 22		Smooth Plaster - Brown Coat	Toilet Room 37 698	1953
51616E 23		Sand Plaster - Surface Coat	Classroom 37 699	1953
51616E 24		Sand Plaster - Brown Coat	Classroom 37 700	1953
51616E 25		Sand Plaster - Surface Coat	Corridor 011 701	1953
51616E 26		Sand Plaster - Brown Coat	Corridor 011 702	1953
51616E 27		Sand Plaster - Surface Coat	Classroom 39 703	1953
51616E 28		Sand Plaster - Brown Coat	Classroom 39 704	1953
51616E 29		Sand Plaster - Surface Coat	Main Office 056 705	1953
51616E 30		Sand Plaster - Brown Coat	Main Office 056 706	1953

CHAIN OF CUSTODY

COLLECTED BY:	DATE: 5/19/2016	# OF SAMPLES: 15 This Page
RECEIVED BY:	DATE: 5.20.16	# OF SAMPLES:

ANALYSIS

REFERENCE METHOD	METHOD DESCRIPTION
NYS ELAP	NOB & Ceiling Tile with Cellulose-198.6/198.4 (Confirmation Only); All Others - 198.1

INSTRUCTIONS

TURNAROUND:	CONTACT:	FAX:	EMAIL:
5 Day	Sandra Gheen	315.362.9583	Sandra.Gheen@GheenEnv.com
	Stephen Gheen		Stephen.Gheen@GheenEng.com

4402-16

Pg 3 of 3

Gheen Environmental Services, LLC

44 Glenridge Rd.
Whitesboro, NY 13492Phone: 315.520.4692
Fax: 315.362.9583**SAMPLE CHAIN OF CUSTODY FORM****PROJECT NAME:** Marcellus Main**BUILDING:** Heffernan Elementary School**PROJECT #:** 15S-031**DATE:** 5/16/2016

SAMPLE NUMBER	HM	MATERIAL	SAMPLE LOCATION	VINTAGE
51616E 31		Smooth Plaster - Surface Coat	Janitor's Closet 35707	1953
51616E 32		Smooth Plaster - Brown Coat	Janitor's Closet 708	1953
51616E 33		Sand Plaster - Surface Coat	Classroom 44 709	1953
51616E 34		Sand Plaster - Brown Coat	Classroom 44 710	1953
51616E 35		Smooth Plaster - Surface Coat	Toilet Room 51 711	1953
51616E 36		Smooth Plaster - Brown Coat	Toilet Room 51 712	1953
51616E 37		Sand Plaster - Surface Coat	Classroom 50 713	1953
51616E 38		Sand Plaster - Brown Coat	Classroom 50 714	1953
51616E 39		Sand Plaster - Surface Coat	Classroom 21 715	1953
51616E 40		Sand Plaster - Brown Coat	Classroom 21 716	1953

CHAIN OF CUSTODY

COLLECTED BY: Sandra Gheen	DATE: 5/19/2016	# OF SAMPLES: 10 This Page
RECEIVED BY: [Signature]	DATE: 5.20.16	# OF SAMPLES:

ANALYSIS

REFERENCE METHOD	METHOD DESCRIPTION
NYS ELAP	NOB & Ceiling Tile with Cellulose-198.6/198.4 (Confirmation Only); All Others - 198.1

INSTRUCTIONS

TURNAROUND:	CONTACT:	FAX:	EMAIL:
5 Day	Sandra Gheen	315.362.9583	Sandra.Gheen@GheenEnv.com
	Stephen Gheen		Stephen.Gheen@GheenEng.com



PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Gheen Environmental Services, Inc.

Job No: 4403-16

Location: Marcellus Main
Middle School

Page: 1 of 9

Sample Date: 5/16/2016

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	N O B	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non- Fibrous Matrix Material %
51616M-01	35717	Corridor 155A	White Sand Plaster Surface Coat	None Detected	0%		Not Required	N/A	None Detected	100%
51616M-02	35718	Corridor 155A	Gray Sand Plaster Brown Coat	None Detected	0%		Not Required	N/A	None Detected	100%
51616M-03	35719	Corridor 155A	Gray Fibrous Fireproofing	None Detected	0%		Not Required	N/A	Mineral Wool 99% Cellulose <1.0%	1%
51616M-04	35720	Closet Between 99+100	White Sand Plaster Surface Coat	None Detected	0%		Not Required	N/A	None Detected	100%
51616M-05	35721	Closet Between 99+100	Gray Sand Plaster Brown Coat	None Detected	0%		Not Required	N/A	None Detected	100%
51616M-06	35722	Corridor C106	White Sand Plaster Surface Coat	None Detected	0%		Not Required	N/A	None Detected	100%
51616M-07	35723	Corridor C106	Gray Sand Plaster Brown Coat	None Detected	0%		Not Required	N/A	None Detected	100%
51616M-08	35724	Kitchen Locker Room	White Smooth Plaster Surface Coat	None Detected	0%		Not Required	N/A	None Detected	100%
51616M-09	35725	Kitchen Locker Room	Gray Smooth Plaster Brown Coat	None Detected	0%		Not Required	N/A	None Detected	100%
51616M-10	35726	Closet Room 247	White Sand Plaster Surface Coat	None Detected	0%		Not Required	N/A	None Detected	100%



Lab Code 200530-0 for PLM Analysis

ELAP ID No.: 10958

KEY TO NOB COLUMN SYMBOLS

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denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

X denotes sample prepped only by ELAP Method 198.6.

*** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

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PLM Date Analyzed: 5/25/2016

TEM Date Analyzed: N/A

Microscope: Olympus BH-2 #232953

TEM Analyst: N/A

Analyst: T. Bush

Laboratory Results Approved By:
Asbestos Operations Manager or Designee

Mary Dohr

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PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Gheen Environmental Services, Inc.

Job No: 4403-16

Location: Marcellus Main
Middle School

Page: 2 of 9

Sample Date: 5/16/2016

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	N O B	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non- Fibrous Matrix Material %
51616M-11	35727	Closet Room 247	Gray Sand Plaster Brown Coat	None Detected	0%		Not Required	N/A	Cellulose 1%	99%
51616M-12	35728	Girl's Room 240	White Smooth Plaster Surface Coat	None Detected	0%		Not Required	N/A	None Detected	100%
51616M-13	35729	Girl's Room 240	Gray Smooth Plaster Brown Coat	None Detected	0%		Not Required	N/A	Cellulose 1%	99%
51616M-14	35730	Toilet Room Classroom 236	White Smooth Plaster Surface Coat	None Detected	0%		Not Required	N/A	None Detected	100%
51616M-15	35731	Toilet Room Classroom 236	Gray Smooth Plaster Brown Coat	None Detected	0%		Not Required	N/A	Cellulose 1%	99%



Lab Code 200530-0 for PLM Analysis

ELAP ID No.: 10958

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PLM Date Analyzed: 5/25/2016

TEM Date Analyzed: N/A

Microscope: Olympus BH-2 #232953

TEM Analyst: N/A

Analyst: T. Bush

Laboratory Results Approved By:
Asbestos Operations Manager or Designee

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PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Gheen Environmental Services, Inc.

Job No: 4403-16

Location: Marcellus Main
Middle School

Page: 3 of 9

Sample Date: 5/16/2016

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	N O B	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non- Fibrous Matrix Material %
51616M-16	35732	Closet Room 236	White Sand Plaster Surface Coat	None Detected	0%		Not Required	N/A	None Detected	100%
51616M-17	35733	Closet Room 236	Gray Sand Plaster Brown Coat	None Detected	0%		Not Required	N/A	None Detected	100%
51616M-18	35734	Office 238	White Sand Plaster Surface Coat	None Detected	0%		Not Required	N/A	None Detected	100%
51616M-19	35735	Office 238	Gray Sand Plaster Brown Coat	None Detected	0%		Not Required	N/A	None Detected	100%
51616M-20	35736	Boys Room 225	White Smooth Plaster Surface Coat	None Detected	0%		Not Required	N/A	None Detected	100%
51616M-21	35737	Boys Room 225	Gray Smooth Plaster Brown Coat	None Detected	0%		Not Required	N/A	None Detected	100%
51616M-22	35738	Office 215	White Sand Plaster Surface Coat	None Detected	0%		Not Required	N/A	None Detected	100%
51616M-23	35739	Office 215	Gray Sand Plaster Brown Coat	None Detected	0%		Not Required	N/A	None Detected	100%
51616M-24	35740	Upper Auditorium	White Smooth Plaster Surface Coat	None Detected	0%		Not Required	N/A	None Detected	100%
51616M-25	35741	Upper Auditorium	Gray Smooth Plaster Brown Coat	None Detected	0%		Not Required	N/A	None Detected	100%



Lab Code 200530-0 for PLM Analysis

ELAP ID No.: 10958

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denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

X denotes sample prepped only by ELAP Method 198.6.

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PLM Date Analyzed: 5/25/2016

TEM Date Analyzed: N/A

Microscope: Olympus BH-2 #232953

TEM Analyst: N/A

Analyst: T. Bush

Laboratory Results Approved By:
Asbestos Operations Manager or Designee

Mary Dorr

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PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Gheen Environmental Services, Inc.

Job No: 4403-16

Location: Marcellus Main
Middle School

Page: 4 of 9

Sample Date: 5/16/2016

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	N O B	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non- Fibrous Matrix Material %
51616M-26	35742	Stairway to Upper Auditorium	White Sand Plaster Surface Coat	None Detected	0%		Not Required	N/A	None Detected	100%
51616M-27	35743	Stairway to Upper Auditorium	Gray Sand Plaster Brown Coat	None Detected	0%		Not Required	N/A	None Detected	100%
51616M-28	35744	Boys Room 100A	White Smooth Plaster Surface Coat	None Detected	0%		Not Required	N/A	None Detected	100%
51616M-29	35745	Boys Room 100A	Gray Smooth Plaster Brown Coat	None Detected	0%		Not Required	N/A	None Detected	100%
51616M-30	35746	Elevator Entry	White Sand Plaster Surface Coat	None Detected	0%		Not Required	N/A	None Detected	100%



Lab Code 200530-0 for PLM Analysis

ELAP ID No.: 10958

KEY TO NOB COLUMN SYMBOLS

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

✓ NOB (non-friable organically bound) denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

∇ denotes material analyzed by ELAP Method 198.6 (PLM) per NYSDOH. This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

X denotes sample prepped only by ELAP Method 198.6.

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") or EPA 600/M4-82-020 per 40 CFR 763 and/or EPA 600/R-93/116 (NVLAP Lab Code 2000530-0),

PLM Date Analyzed: 5/25/2016

TEM Date Analyzed: N/A

Microscope: Olympus BH-2 #232953

TEM Analyst: N/A

Analyst: T. Bush

Laboratory Results Approved By:
Asbestos Operations Manager or Designee

Mary Doherty

Paradigm Environmental Services, Inc. is not responsible for the data supplied by an independent inspector. National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Quality control data (including 95% confidence limits and laboratory and analysts' and precision) is available upon request.



PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Gheen Environmental Services, Inc.

Job No: 4403-16

Location: Marcellus Main
Middle School

Page: 5 of 9

Sample Date: 5/16/2016

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	N O B	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non- Fibrous Matrix Material %
51616M-31	35747	Elevator Entry	Gray Sand Plaster Brown Coat	None Detected	0%		Not Required	N/A	None Detected	100%
51616M-32	35748a	Elevator Entry Ceiling	White Smooth Plaster Layered	None Detected	0%		Not Required	N/A	None Detected	100%
51616M-32	35748b	Elevator Entry Ceiling	Gray Smooth Plaster Layered	None Detected	0%		Not Required	N/A	None Detected	100%
51616M-33	35749a	Faculty Room 99	Green Sand Plaster Layered	None Detected	0%		Not Required	N/A	None Detected	100%
51616M-33	35749b	Faculty Room 99	Gray Sand Plaster Layered	None Detected	0%		Not Required	N/A	None Detected	100%
51616M-34	35750	Corridor 155A	Gray Fibrous Fireproofing	None Detected	0%		Not Required	N/A	Mineral Wool 99%	1%
51616M-35	35751	Corridor 155A	Gray Fibrous Fireproofing	None Detected	0%		Not Required	N/A	Mineral Wool 99%	1%
51616M-36	35752	Corridor 155A	White Sand Plaster Surface Coat	None Detected	0%		Not Required	N/A	None Detected	100%
51616M-37	35753	Corridor 155A	Gray Sand Plaster Brown Coat	None Detected	0%		Not Required	N/A	Cellulose 1%	99%
51616M-38	35754	Corridor C103	White Sand Plaster Surface Coat	None Detected	0%		Not Required	N/A	None Detected	100%



Lab Code 200530-0 for PLM Analysis

ELAP ID No.: 10958

KEY TO NOB COLUMN SYMBOLS

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

✓ NOB (non-friable organically bound) denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

√ denotes material analyzed by ELAP Method 198.6 (PLM) per NYSDOH. This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

X denotes sample prepped only by ELAP Method 198.6.

** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") or EPA 600/M4-82-020 per 40 CFR 763 and/or EPA 600/R-93/116 (NVLAP Lab Code 2000530-0).

PLM Date Analyzed: 5/25/2016

TEM Date Analyzed: N/A

Microscope: Olympus BH-2 #232953

TEM Analyst: N/A

Analyst: T. Bush

Laboratory Results Approved By:
Asbestos Operations Manager or Designee

Mary Dohr

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PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: Gheen Environmental Services, Inc.

Job No: 4403-16

Location: Marcellus Main
Middle School

Page: 6 of 9

Sample Date: 5/16/2016

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	N O B	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non- Fibrous Matrix Material %
51616M-39	35755	Corridor C103	Gray Sand Plaster Brown Coat	None Detected	0%		Not Required	N/A	None Detected	100%
51616M-40	35756	Girl's Room 140	White Smooth Plaster Surface Coat	None Detected	0%		Not Required	N/A	None Detected	100%
51616M-41	35757	Girl's Room 140	Gray Smooth Plaster Brown Coat	None Detected	0%		Not Required	N/A	None Detected	100%



Lab Code 200530-0 for PLM Analysis

ELAP ID No.: 10958

KEY TO NOB COLUMN SYMBOLS

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

✓ NOB (non-friable organically bound) denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

∇ denotes material analyzed by ELAP Method 198.6 (PLM) per NYSDOH. This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

X denotes sample prepped only by ELAP Method 198.6.

** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") or EPA 600/M4-82-020 per 40 CFR 763 and/or EPA 600/R-93/116 (NVLAP Lab Code 2000530-0),

PLM Date Analyzed: 5/25/2016

TEM Date Analyzed: N/A

Microscope: Olympus BH-2 #232953

TEM Analyst: N/A

Analyst: T. Bush

Laboratory Results Approved By:
Asbestos Operations Manager or Designee

Mary Dohr

Paradigm Environmental Services, Inc. is not responsible for the data supplied by an independent inspector. National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Quality control data (including 95% confidence limits and laboratory and analysts' and precision) is available upon request.

**SAMPLE CHAIN OF CUSTODY FORM**

PROJECT NAME: Marcellus Main

BUILDING: Middle School

PROJECT #: 15S-031

DATE: 5/16/2016

SAMPLE NUMBER	HM	MATERIAL	SAMPLE LOCATION	VINTAGE
51616M- 01		Sand Plaster - Surface Coat	Corridor 155A 35717	1958
51616M- 02		Sand Plaster - Brown Coat	Corridor 155A 718	1958
51616M- 03		Fireproofing	Corridor 155A 719	1958
51616M- 04		Sand Plaster - Surface Coat	Closet Between 99+100 720	1958
51616M- 05		Sand Plaster - Brown Coat	Closet Between 99+100 721	1958
51616M- 06		Sand Plaster - Surface Coat	Corridor C106 722	1958
51616M- 07		Sand Plaster - Brown Coat	Corridor C106 723	1958
51616M- 08		Smooth Plaster - Surface Coat	Kitchen Locker Room 724	1958
51616M- 09		Smooth Plaster - Brown Coat	Kitchen Locker Room 725	1958
51616M- 10		Sand Plaster - Surface Coat	Closet Room 247 726	1936
51616M- 11		Sand Plaster - Brown Coat	Closet Room 247 727	1936
51616M- 12		Smooth Plaster - Surface Coat	Girls Room 240 728	1936
51616M- 13		Smooth Plaster - Brown Coat	Girls Room 240 729	1936
51616M- 14		Smooth Plaster - Surface Coat	Toilet Room Classroom 236 730	1936
51616M- 15		Smooth Plaster - Brown Coat	Toilet Room Classroom 236 731	1936

CHAIN OF CUSTODY

COLLECTED BY:	Sandra Gheen	DATE: 5/19/2016	# OF SAMPLES: 15 This Page
RECEIVED BY:		DATE: 5-20-16	# OF SAMPLES:

ANALYSIS

REFERENCE METHOD	METHOD DESCRIPTION
NYS ELAP	NOB & Ceiling Tile with Cellulose-198.6/198.4 (Confirmation Only); All Others - 198.1

INSTRUCTIONS

TURNAROUND:	CONTACT:	FAX:	EMAIL:
5 Day	Sandra Gheen	315.362.9583	Sandra.Gheen@GheenEnv.com
	Stephen Gheen		Stephen.Gheen@GheenEng.com

4403-16



44 Glenridge Rd.
Whitesboro, NY 13492

Phone: 315.520.4692
Fax: 315.362.9583

SAMPLE CHAIN OF CUSTODY FORM

PROJECT NAME: Marcellus Main **BUILDING:** Middle School
PROJECT #: 15S-031 **DATE:** 5/16/2016

SAMPLE NUMBER	HM	MATERIAL	SAMPLE LOCATION	VINTAGE
51616M- 16		Sand Plaster - Surface Coat	Closet Classroom 236 35732	1936
51616M- 17		Sand Plaster - Brown Coat	Closet Classroom 236 733	1936
51616M- 18		Sand Plaster - Surface Coat	Office 238 734	1936
51616M- 19		Sand Plaster - Brown Coat	Office 238 735	1936
51616M- 20		Smooth Plaster - Surface Coat	Boys Room 225 736	1936
51616M- 21		Smooth Plaster - Brown Coat	Boys Room 225 737	1936
51616M- 22		Sand Plaster - Surface Coat	Office 215 738	1936
51616M- 23		Sand Plaster - Brown Coat	Office 215 739	1936
51616M- 24		Smooth Plaster - Surface Coat	Upper Auditorium 740	1936
51616M- 25		Smooth Plaster - Brown Coat	Upper Auditorium 741	1936
51616M- 26		Sand Plaster - Surface Coat	Stairway to Upper Auditorium 742	1936
51616M- 27		Sand Plaster - Brown Coat	Stairway to Upper Auditorium 743	1936
51616M- 28		Smooth Plaster - Surface Coat	Boys Room 100A 744	1958
51616M- 29		Smooth Plaster - Brown Coat	Boys Room 100A 745	1958
51616M- 30		Sand Plaster - Surface Coat	Elevator Entry 746	1958

CHAIN OF CUSTODY

COLLECTED BY:	Sandra Gheen	DATE: 5/19/2016	# OF SAMPLES: 15 This Page
RECEIVED BY:		DATE: 5-20-16	# OF SAMPLES:

ANALYSIS

REFERENCE METHOD	METHOD DESCRIPTION
NYS ELAP	NOB & Ceiling Tile with Cellulose-198.6/198.4 (Confirmation Only); All Others - 198.1

INSTRUCTIONS

TURNAROUND:	CONTACT:	FAX:	EMAIL:
5 Day	Sandra Gheen	315.362.9583	Sandra.Gheen@GheenEnv.com
	Stephen Gheen		Stephen.Gheen@GheenEng.com

4403-16

Pg 3 of 3

Gheen Environmental Services, LLC


 44 Glenridge Rd.
 Whitesboro, NY 13492

 Phone: 315.520.4692
 Fax: 315.362.9583

SAMPLE CHAIN OF CUSTODY FORM

PROJECT NAME: Marcellus Main

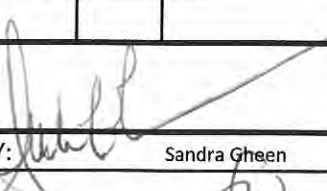
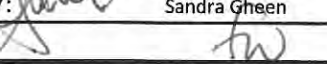
BUILDING: Middle School

PROJECT #: 15S-031

DATE: 5/16/2016

SAMPLE NUMBER	HM	MATERIAL	SAMPLE LOCATION	VINTAGE
51616M- 31		Sand Plaster - Brown Coat	Elevator Entry 35747	1958
51616M- 32		Smooth Plaster - Layered	Elevator Entry Ceiling 748AB	1958
51616M- 33		Sand Plaster - Layered	Faculty Room 99 749AB	1958
51616M- 34		Fireproofing	Corridor 155A 750	1958
51616M- 35		Fireproofing	Corridor 155A 751	1958
51616M- 36		Sand Plaster - Surface Coat	Corridor 155A 752	1936
51616M- 37		Sand Plaster - Brown Coat	Corridor 155A 753	1936
51616M- 38		Sand Plaster - Surface Coat	Corridor C103 754	1936
51616M- 39		Sand Plaster - Brown Coat	Corridor C103 755	1936
51616M- 40		Smooth Plaster - Surface Coat	Girls Room 140 756	1936
51616M- 41		Smooth Plaster - Brown Coat	Girls Room 140 757	1936

CHAIN OF CUSTODY

COLLECTED BY: 	Sandra Gheen	DATE: 5/19/2016	# OF SAMPLES: 11 This Page
RECEIVED BY: 	tw	DATE: 5.20.16	# OF SAMPLES:

ANALYSIS

REFERENCE METHOD	METHOD DESCRIPTION
NYS ELAP	NOB & Ceiling Tile with Cellulose-198.6/198.4 (Confirmation Only); All Others - 198.1

INSTRUCTIONS

TURNAROUND:	CONTACT:	FAX:	EMAIL:
5 Day	Sandra Gheen	315.362.9583	Sandra.Gheen@GheenEnv.com
	Stephen Gheen		Stephen.Gheen@GheenEng.com

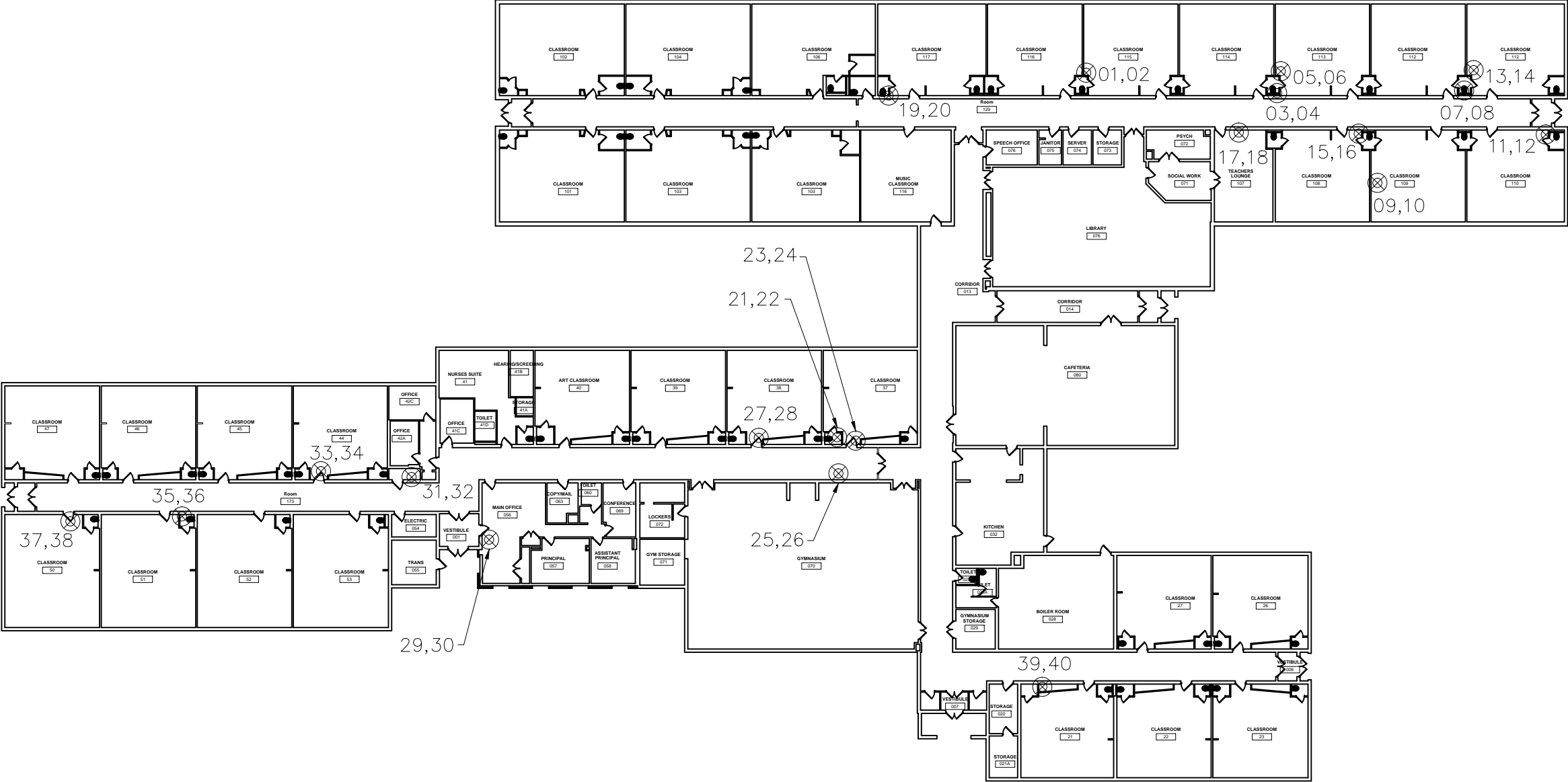
Appendix C

Sample Location

Drawings

LEGEND

- ⊗ Sample Locations Preceded by "51616E--"
- XX Sample Number



DRAWING NUMBER:

SLP-1

Project No.: 15S-031

Date: 4/19/2016

Drawn By: skg

Scale: NTS

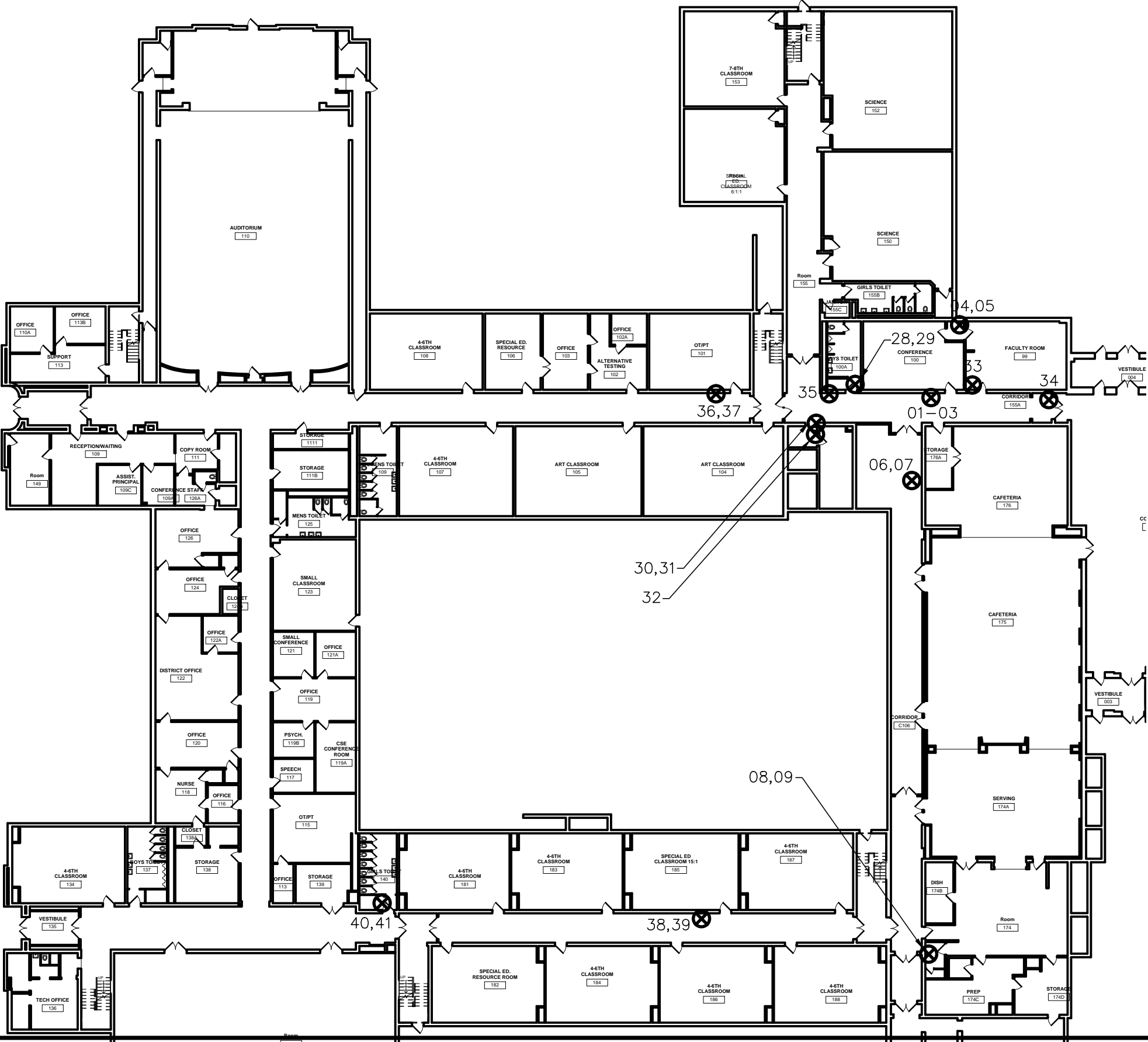
Marcellus CSD
Marcellus Elementary School
First Floor Sample Location Plans



44 Glenridge Road
Ph: 315.761.7800
Fax: 315.362.9583
NY 13492

LEGEND

⊗ Sample Locations Preceded by "51616M–"



DRAWING NUMBER:

Project No. : 15S-031	Date: 5/19/2016	Drawn By: skg	Scale: NTS
-----------------------	-----------------	---------------	------------

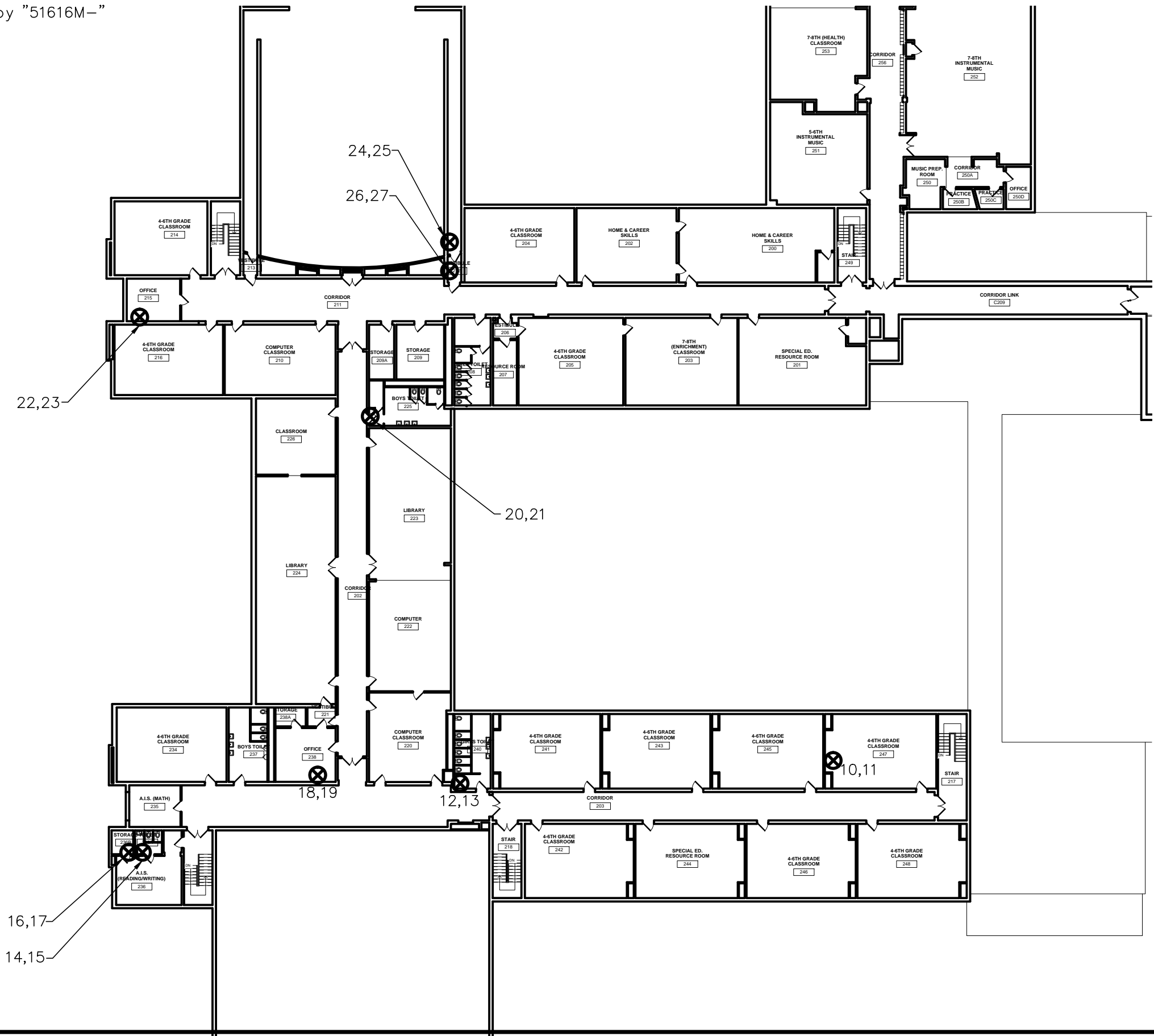
Marcellus CSD
Driver Middle School
Partial First Floor Sample Location Plans

44 Glenridge Road
Ph: 315.761.7800

NY 13492
Fax: 315.362.9583

LEGEND

Sample Locations Preceded by "51616M-"



DRAWING NUMBER:

SLP-2

Project No. : 15S-031

Date: 5/19/2016

Drawn By: skg

Scale: NTS

Marcellus CSD
Driver Middle School
Partial Second Floor Sample Location Plans



44 Glenridge Road
Ph: 315.761.7800
Fax: 315.362.9583

Appendix D

Certifications

New York State – Department of Labor

Division of Safety and Health
License and Certificate Unit
State Campus, Building 12
Albany, NY 12240

ASBESTOS HANDLING LICENSE

Gheen Environmental Services, LLC

44 Glenridge Road

Whitesboro, NY 13492

FILE NUMBER: 11-58705

LICENSE NUMBER: 58705

LICENSE CLASS: RESTRICTED

DATE OF ISSUE: 03/17/2016

EXPIRATION DATE: 03/31/2017

Duly Authorized Representative – Sandra Gheen:

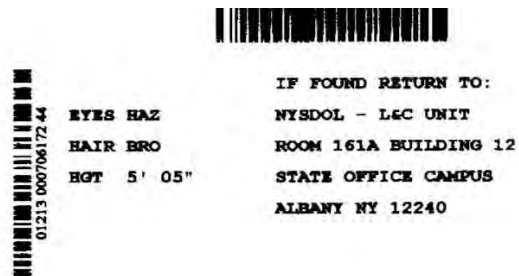
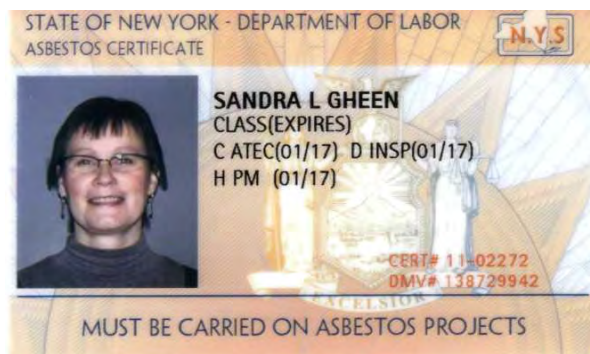
This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.



Eileen M. Franko, Director
For the Commissioner of Labor

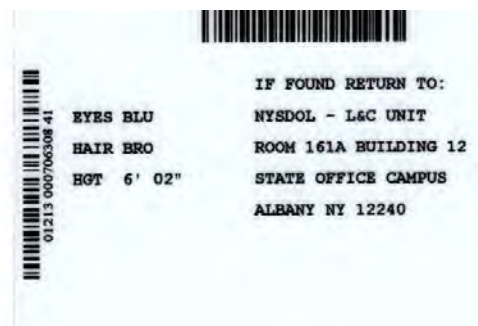
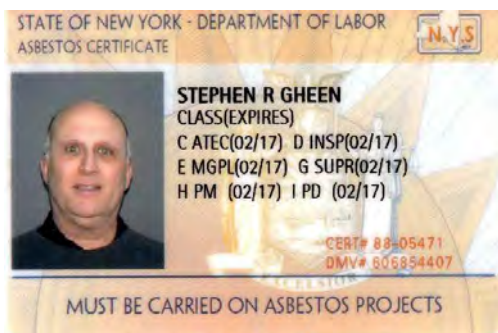
New York State Department of Labor Asbestos Certificate



Classification Legend:

A	Asbestos Handler	F	Operations & Maintenance
B	Restricted – Allied Trades	G	Supervisor
C	Air Sampling Tech	H	Project Monitor
D	Inspector	I	Project Designer
E	Management Planner		

New York State Department of Labor Asbestos Certificate



Classification Legend:

A	Asbestos Handler	F	Operations & Maintenance
B	Restricted – Allied Trades	G	Supervisor
C	Air Sampling Tech	H	Project Monitor
D	Inspector	I	Project Designer
E	Management Planner		

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2017
Issued April 01, 2016

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. STEVE DEVITO
PARADIGM ENVIRONMENTAL SERVICES INC
179 LAKE AVENUE
ROCHESTER, NY 14608

NY Lab Id No: 10958

*is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:*

Miscellaneous

Asbestos in Friable Material	Item 198.1 of Manual EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual
Lead in Dust Wipes	EPA 6010C
Lead in Paint	EPA 6010C

Sample Preparation Methods

EPA 3050B

NEW
YORK
STATE

Department
of Health

Serial No.: 54682

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.



**National Voluntary
Laboratory Accreditation Program**



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Paradigm Environmental Services, Inc.

179 Lake Avenue

Rochester, NY 14608

Ms. Rebecca Roztocil

Phone: 585-647-2530 Fax: 585-647-3311

E-Mail: RRoztocil@paradigmenv.com

URL: <http://www.paradigmenv.com>

BULK ASBESTOS FIBER ANALYSIS (PLM)

NVLAP LAB CODE 200530-0

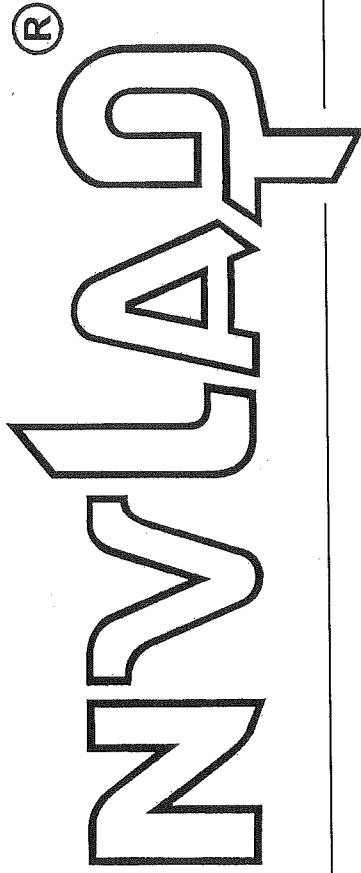
<i>NVLAP Code</i>	<i>Designation / Description</i>
18/A01	EPA 600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

2015-07-01 through 2016-06-30

Effective dates

For the National Institute of Standards and Technology

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 200530-0

Paradigm Environmental Services, Inc.
Rochester, NY

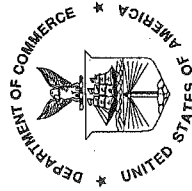
is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:

BULK ASBESTOS FIBER ANALYSIS

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2015-07-01 through 2016-06-30

Effective dates



W. D. M. L. D.

For the National Institute of Standards and Technology



**National Voluntary
Laboratory Accreditation Program**



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Paradigm Environmental Services, Inc.

179 Lake Avenue

Rochester, NY 14608

Ms. Rebecca Roztocil

Phone: 585-647-2530 Fax: 585-647-3311

E-Mail: RRoztocil@paradigmenv.com

URL: <http://www.paradigmenv.com>

AIRBORNE ASBESTOS FIBER ANALYSIS (TEM)

NVLAP LAB CODE 200530-0

NVLAP Code Designation / Description

18/A02

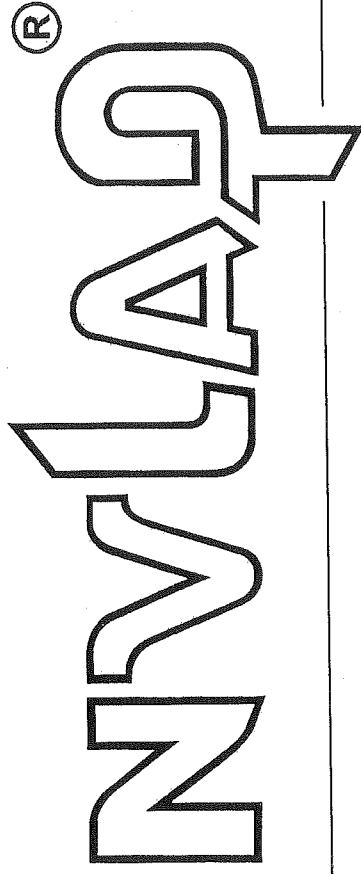
U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.

2015-07-01 through 2016-06-30

Effective dates

For the National Institute of Standards and Technology

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 200530-0

Paradigm Environmental Services, Inc.
Rochester, NY

is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:

AIRBORNE ASBESTOS FIBER ANALYSIS

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2015-07-01 through 2016-06-30

Effective dates



Wm. D. M. L. D.

For the National Institute of Standards and Technology

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2017
Issued April 01, 2016

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. STEVE DEVITO
PARADIGM ENVIRONMENTAL SERVICES INC
179 LAKE AVENUE
ROCHESTER, NY 14608

NY Lab Id No: 10958

*is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES AIR AND EMISSIONS
All approved subcategories and/or analytes are listed below:*

Metals I

Lead, Total NIOSH 7303

Miscellaneous

Asbestos 40 CFR 763 APXA No. III

NIOSH 7402

Fibers NIOSH 7400 A RULES

NEW
YORK
STATE

Department
of Health

Serial No.: 54684

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.