



# 2015 BUILDING CONDITION SURVEY

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# 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.

<u>Transportation Facility</u>: 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	J ( J ( J ( J ( J ( J ( J ( J ( J ( J (	× 37		\$57,750.0
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				\$2,205.0
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				\$52,500.0
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				\$98,700.0
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				\$470,400.0
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				\$233,625.0
1	GEN	Kitchen Renovation	\$445,000	\$467,250.00	\$467,250.00			
4	GEN	Renovate Cafeteria	\$135,000	\$141,750.00				\$141,750.0
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 Gymasium Air Handling System.	\$680,000	\$714,000.00	\$714,000.00			
3	MECH	Clean Gym and Library Ductwork Systems	\$20,000	\$21,000.00				\$21,000.0
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				\$178,500.0
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				\$262,500.0
				<b>A</b> (04,4); <b>5</b> 2	A 100 101 00	¢50.007.50	¢44,005,00	¢454,000
			10% Construction Contingency	\$624,466.50	\$403,431.00	\$52,237.50	\$16,905.00	\$151,893.0
			25% Incidental Budget	\$1,717,282.88	\$1,109,435.25	\$143,653.13	\$46,488.75	\$417,705.7
		KC Heffernan Eleme	ntary School Project Budget	\$8,586,414.38	\$5,547,176.25	\$718,265.63	\$232,443.75	\$2,088,528.7



Rating	Trade	CS Driver Middle School	Construction Cost	Cost plus 5%	Building Condition	In House Work	5 Year Plan	Long Range Plan
			as of 2015	Escalation	Survey (Rating 1)	(Rating 5)	(Rating 2)	(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	+01 000 00
3	SITE	Provide Concrete Aprons at all Structures on Pavement (8)	\$20,000	\$21,000.00	ti 050 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	<b>*</b> 5.050.00		
5	SITE	Fill in Planting Triangle in Concrete Walk from KCH for Maintenance. Relocate Plantings	\$5,000	\$5,250.00	+015 000 00	\$5,250.00		
1	GEN	Provide ADA Access into Courtyard	\$300,000	\$315,000.00	\$315,000.00			
	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 & Convectors (only if steam to hot	\$134,600	\$141,330.00	\$141,330.00			
		water project is not done)						
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			
	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 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

Rating	Trade	Senior High 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 Brick Risers with Precast Rings (20)	\$50,000	\$52,500.0		、 U /		, <b>,</b> ,
3	SITE	Replace Concrete Walk and Curb from Student Lot and Aud.to Main Drive	\$32,000	\$33,600.00				\$33,600.00
3	SITE	Replace Asphalt Walk Along Main Drive with Concrete	\$25,000	\$26,250.00				\$26,250.00
2	SITE	Replace Concrete Walks in Front of Building Along Bus Loop	\$175,000	\$183,750.00			\$183,750.00	
2	SITE	Reset Granite Curb Along Bus Loop Flush with Walk	\$40,000	\$42,000.0			\$42,000.00	
2	SITE	Replace Student Lot Pavement	\$400,000	\$420,000.0			\$420,000.00	
1	SITE	Track and Field Improvements (pave outside track to fence, settlement at trench drain, pave public path to track)	\$130,000	\$136,500.0	\$136,500.00			
1	SITE	Remove D-area Concrete Curbing and Install Elastic Edge with Lacrosse Netting Set Inside Turf Field	\$100,000	\$105,000.00				
1	SITE	Add Gate in Track Fence by Storage Building Near Tennis Courts	\$5,000	\$5,250.00				
1	SITE	Regrade Baseball Outfield for Drainage	\$190,000	\$199,500.0				
2	SITE	Redirect 3rd Base Dugout Roof Water in Baseball Field	\$30,000	\$31,500.0			\$31,500.00	
3	SITE	Provide Concrete Aprons at All Structures in Pavement	\$13,000	\$13,650.00				\$13,650.00
2	SITE	Clean Out Existing Retention Basin of Silt and Debris	\$20,000	\$21,000.0			\$21,000.00	
1	SITE	Reset Existing Tennis Net Poles and Provide Crack Repair and Resurfacing (4 courts)	\$75,000	\$78,750.00				
1	SITE	Replace Dock Wall on Northeast Corner of Aud.	\$65,000	\$68,250.0				
3	SITE	Pave Baseball Parking Lot by Transportation	\$235,000	\$246,750.0				\$246,750.00
3	SITE	Pave Softball Parking Lot	\$180,000	\$189,000.0				\$189,000.00
3	SITE	Replace South Parking Lot Curbing	\$10,000	\$10,500.0				\$10,500.00
3	SITE	Replace Pulley System in Flagpole	\$1,000	\$1,050.00				\$1,050.00
2	SITE	Drainage Improvements on West End of Building at Hillside	\$150,000	\$157,500.0			\$157,500.00	
3	SITE	Provide Flatter Slope on Asphalt Walk from KCH to South Parking Lot	\$15,000	\$15,750.00				\$15,750.00
3	SITE	Provide Landscape Improvements in Courtyard	\$150,000	\$157,500.0				\$157,500.00
3	SITE	Replace Water Main from Building to Main on South End	\$75,000	\$78,750.0				\$78,750.00
3	SITE	Replace Sanitary Main from Building to Street	\$85,000	\$89,250.00				\$89,250.00
1	SITE	Replace Turf Field and Track Surface	\$1,175,000	\$1,233,750.00	\$1,233,750.00			
1	GEN	Replace Press Box Doors (Stadium and Baseball)	\$3,200	\$3,360.00	\$3,360.00			
1	GEN	Add Storage Behind Stage - Addition	\$84,500	\$88,725.0	\$88,725.00			
1	GEN	Add New Stair to Loading Dock	\$10,000	\$10,500.0	\$10,500.00			
2	GEN	Masonry Restoration	\$50,000	\$52,500.0			\$52,500.00	
1	GEN	Add Cafeteria Exit	\$22,250	\$23,362.5	\$23,362.50			
2	GEN	Cafeteria Upgrades	\$340,000	\$357,000.0			\$357,000.00	
3	GEN	Replace Auditorium OH Door	\$2,500	\$2,625.00				\$2,625.00
1	GEN	Add Wall to Secure Aud. Fan Room	\$7,500	\$7,875.00	\$7,875.00			
1	GEN	Refurbish Gym Bleachers	\$65,000	\$68,250.00	\$68,250.00			
4	GEN	Bleacher Replacement - Motorized	\$138,500	\$145,425.0				\$145,425.00
2	MECH	Replace Heating Unit Above Kitchen Receiving Area	\$95,000	\$99,750.0			\$99,750.00	
2	PLMB	Install New Strainer before BFP	\$5,000	\$5,250.00			\$5,250.00	
3	GEN	Add Fire Suppression to Kitchen Hoods	\$45,000	\$47,250.00				\$47,250.00
2	ELEC	Add Emergency Generator	\$515,000	\$540,750.00			\$540,750.00	
		10%	Construction Contingend	cy \$504,992.2	\$208,157.25	\$0.00	\$191,100.00	\$105,735.00
			25% Incidental Budge			\$0.00	\$525,525.00	\$290,771.25
		Senior Hig	h School Project Budge			\$0.00	\$2,627,625.00	\$1,453,856.25

Rating	Trade	Kasson Road Elementary School	Construction Cost		Building Condition	In House Work	5 Year Plan	Long Range Plan
			as of 2015	Cost plus 5% Escalation	Survey (Rating 1)	(Rating 5)	(Rating 2)	(Rating 3-4)
1	SITE	Replace Brick Risers in Structures with Precast Rings (5)	\$13,000	\$13,650.00	\$13,650.00			
3	SITE	Provide Concrete Apron for Structures in Pavement (2)	\$5,000	\$5,250.00				\$5,250.00
1	SITE	Replace West Parking Lot Pavement	\$170,000	\$178,500.00	\$178,500.00			
4	SITE	Replace Basketball Court and Hoops	\$50,000	\$52,500.00				\$52,500.00
4	SITE	Update Playscape and Provide Paved Access	\$250,000	\$262,500.00				\$262,500.00
3	GEN	Replace Exterior Entrance Doors and Frames (7) and OH Door	\$124,200	\$130,410.00				\$130,410.00
3	GEN	Replace EPDM Roofs	\$588,000	\$617,400.00				\$617,400.00
3	GEN	Replace Windows at Gym	\$35,000	\$36,750.00				\$36,750.00
1	GEN	Masonry/Concrete Restoration (piers at rear)	\$57,500	\$60,375.00	\$60,375.00			
2	GEN	Replace Selected Interior Doors and Hardware	\$54,000	\$56,700.00			\$56,700.00	
3	GEN	Replace Concealed Spline Ceilings	\$380,000	\$399,000.00				\$399,000.00
4	GEN	Replace Classroom Casework	\$75,000	\$78,750.00				\$78,750.00
2	GEN	Abatement and Lead Allowance	\$172,500	\$181,125.00			\$181,125.00	
4	MECH	Add A/C to Data Closet	\$28,750	\$30,187.50				\$30,187.50
2	MECH	Replace Original Equipment: Supply Units, Exhaust Units, Relief/Return Units, Etc.	\$725,000	\$761,250.00			\$761,250.00	
2	MECH	Replace Original Heat Piping	\$395,000	\$414,750.00			\$414,750.00	
3	MECH	Replace Original Terminal Units	\$125,000	\$131,250.00				\$131,250.00
2	MECH	Clean Gym and Cafeteria Ductwork	\$20,000	\$21,000.00			\$21,000.00	
4	MECH	Replace Pneumatic Controls with Electronic DDC	\$195,000	\$204,750.00				\$204,750.00
4	PLMB	Replace All Original Plumbing Fixtures	\$150,000	\$157,500.00	·			\$157,500.00
2	PLMB	Replace all Crawl Space CW, HW, HWR Piping (Asbestos on Piping)	\$180,000	\$189,000.00			\$189,000.00	
3	PLMB	Install Strainer Before BFP	\$5,000	\$5,250.00				\$5,250.00
3	ELEC	Add Gas Detection to Boiler Room	\$7,500	\$7,875.00				\$7,875.00
4	ELEC	Add Strobes to Classrooms	\$15,000	\$15,750.00				\$15,750.00
4	ELEC	Lighting Fixture Replacement	\$235,000	\$246,750.00				\$246,750.00
1	ELEC	Original Electrical Distribution	\$220,000	\$231,000.00	\$231,000.00			
4	ELEC	Provide Paging System	\$95,000	\$99,750.00				\$99,750.00
4	ELEC	Add Emergency Generator	\$200,000	\$210,000.00				\$210,000.00
			10% Construction Contingenc	y \$479,897.25	\$48,352.50	\$0.00	\$162,382.50	\$269,162.25
			25% Incidental Budge		\$132,969.38	\$0.00	\$446,551.88	\$740,196.19
			Kasson Road Elementary School Project Budge	t \$6,598,587.19	\$664,846.88	\$0.00	\$2,232,759.38	\$3,700,980.94

Rating	Trade	Maintenance Building	Construction Cost	Cost plus 5 %	Building Condition	In House Work	5 Year Plan	Long Range Plan
			as of 2015	Escalation	Survey (Rating 1)	(Rating 5)	(Rating 2)	(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% Cor	nstruction 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
			uilding Project Budget	\$1,813,350.00	\$736,312.50	\$101,062.50	\$310,406.25	\$665,568.75

Rating	Trade	Transportation Facility	Construction Cost	Cost plus 5%	Building Condition	In House Work	5 Year Plan	Long Range Plan
			as of 2015	Escalation	Survey (Rating 1)	(Rating 5)	(Rating 2)	(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		\$39,414.38	\$0.00	\$4,331.25	\$57,750.00
			Transportation Facility Project Budget		\$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. <u>Mechanical/Plumbing System Items:</u>

- 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. <u>Electrical/Technology System Items:</u>

- 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







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# **Building Condition Survey Supplemental Information**

Marcellus CSD - KCH Elementary School Project: SEI Design Group Architect: 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: Budget Line Item Number: \$1,200 (44)

Item Description:

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

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

Item Description:

Provide asphalt walk up to playscape surfacing (35 sf)

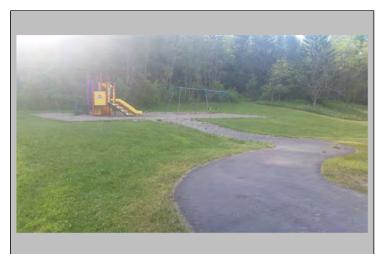


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# **Building Condition Survey Supplemental Information**

Marcellus CSD - KCH Elementary School Project: SEI Design Group Architect: 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: Budget Line Item Number: \$400,000 (55)

Item Description:

Replace kindergarten play area on west hillside and provide proper access

Photograph Number: 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)

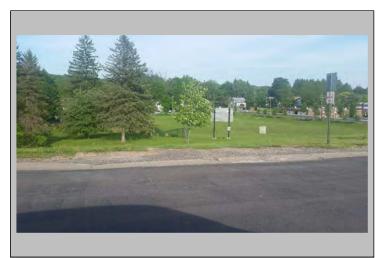


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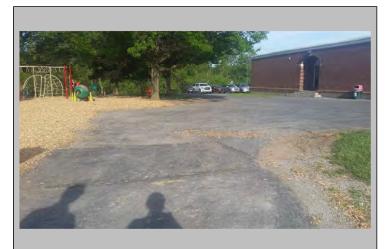
# **Building Condition Survey Supplemental Information**

Marcellus CSD - KCH Elementary School Project: SEI Design Group Architect: 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: Budget Line Item Number: \$50,000 (65)

8

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)



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# **Building Condition Survey Supplemental Information**

Marcellus CSD - KCH Elementary School Project: SEI Design Group Architect: 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)

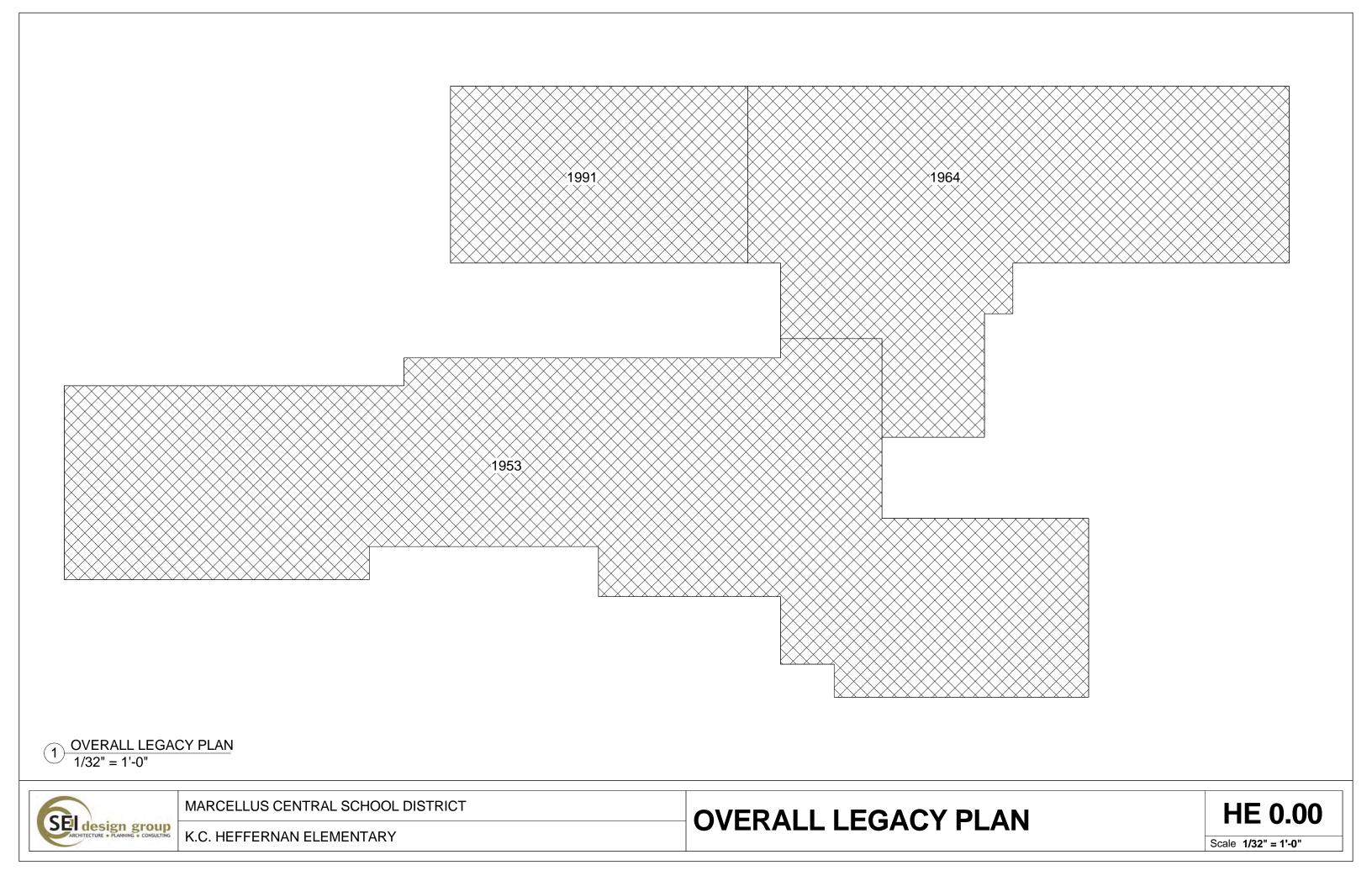
Item Description:

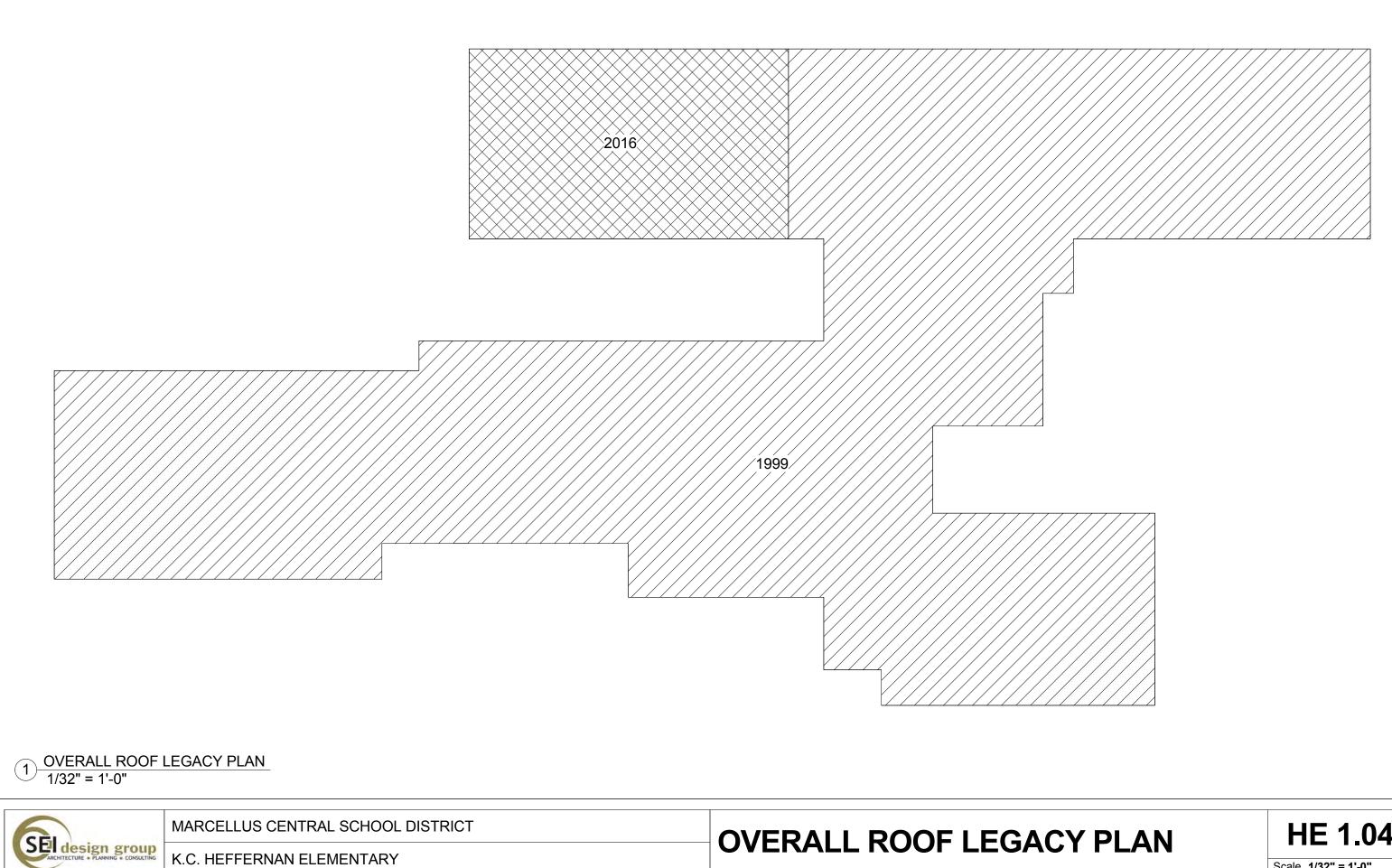
Replace sanitary main from building to main in road (350 lf)

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

Item Description:

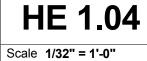
Replace brick risers in structures with precast rings (5 structures)

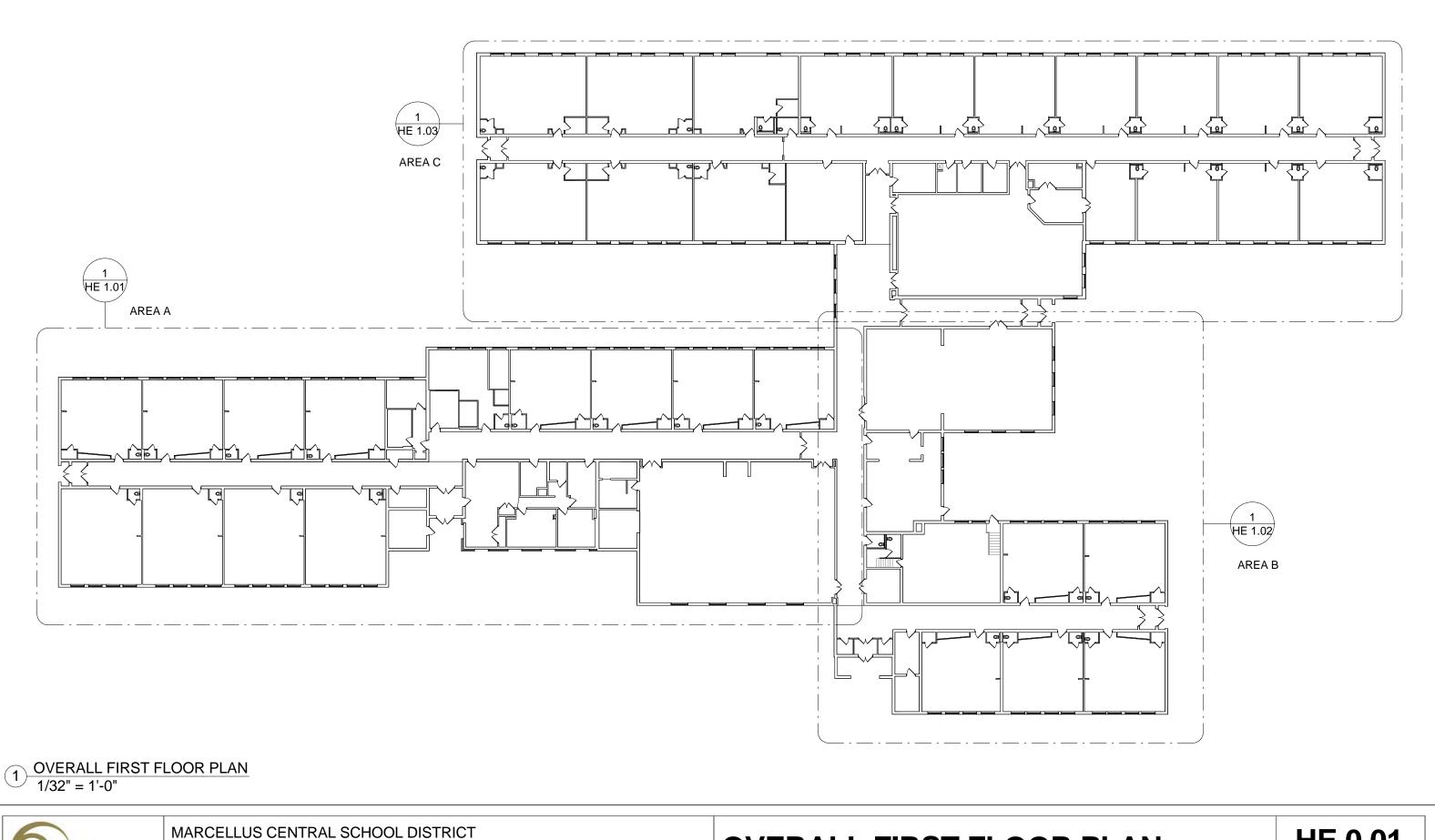




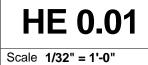
K.C. HEFFERNAN ELEMENTARY

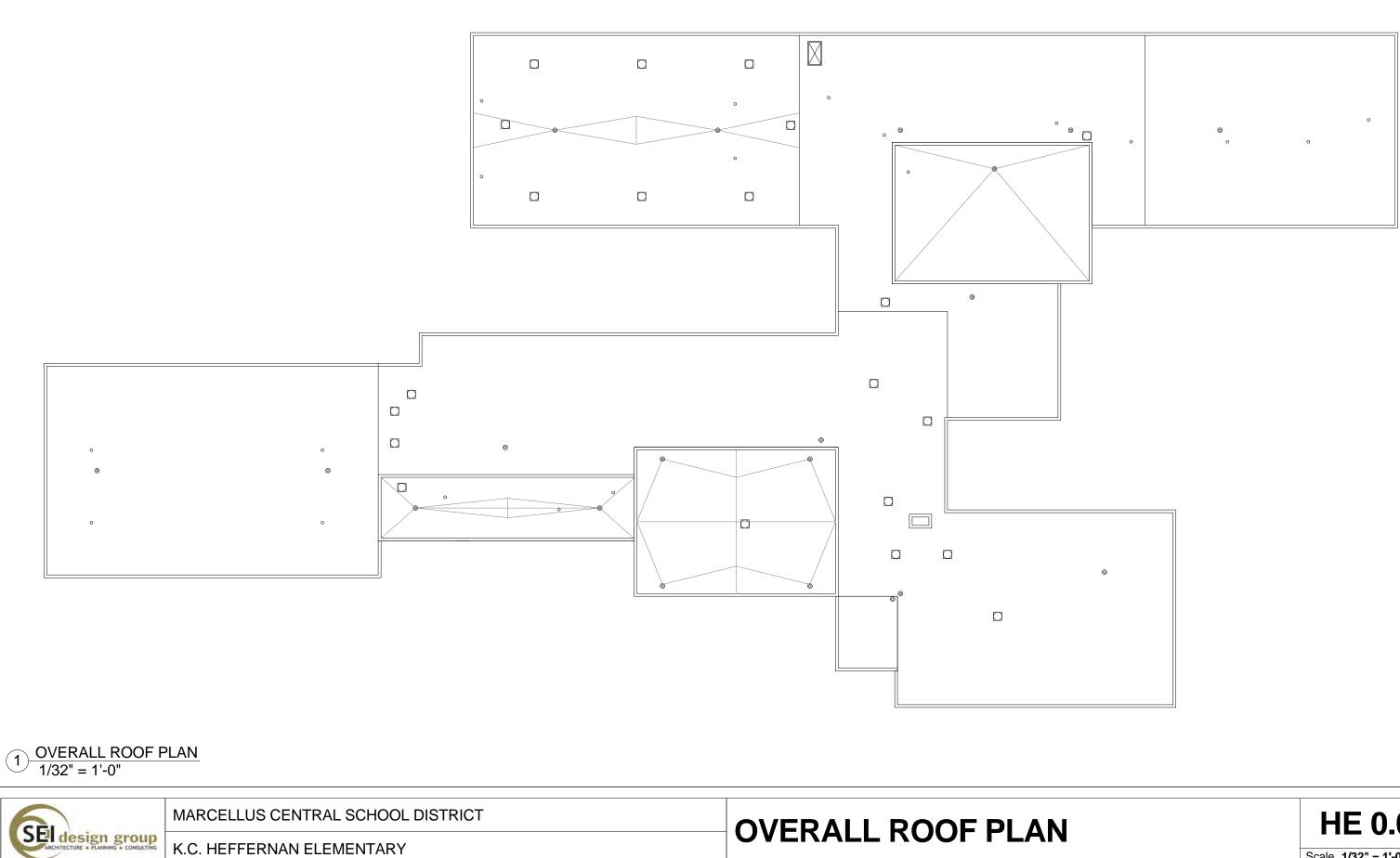




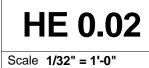


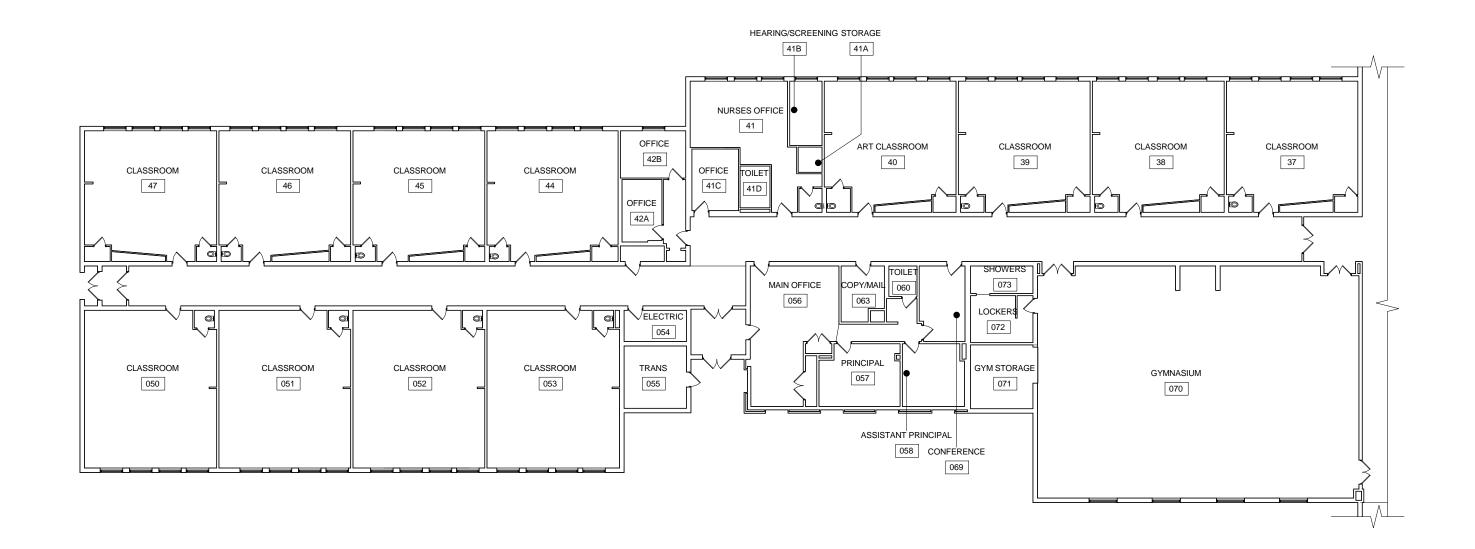
SEI design group K.C. HEFFERNAN ELEMENTARY **OVERALL FIRST FLOOR PLAN** 

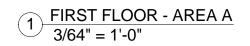




K.C. HEFFERNAN ELEMENTARY





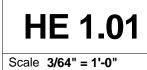


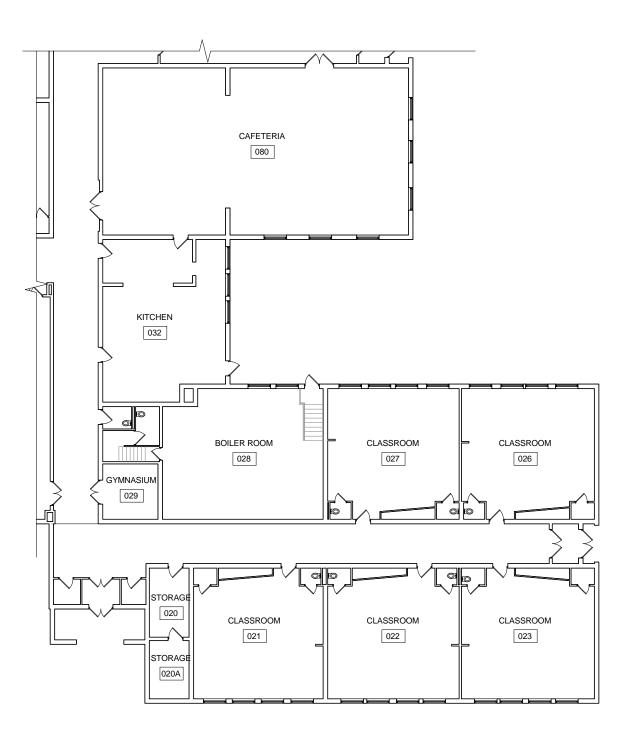
SEI design group

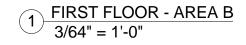
MARCELLUS CENTRAL SCHOOL DISTRICT

K.C. HEFFERNAN ELEMENTARY

**FIRST FLOOR - AREA A** 





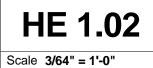


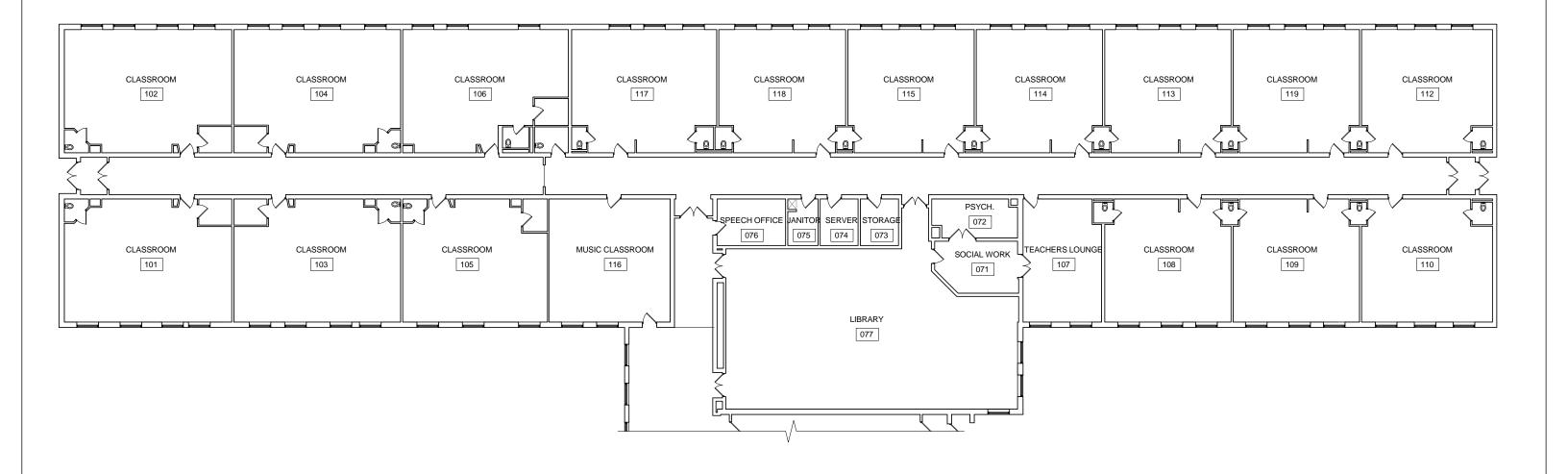
MARCELLUS CENTRAL SCHOOL DISTRICT

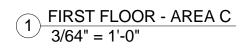


K.C. HEFFERNAN ELEMENTARY

**FIRST FLOOR - AREA B** 





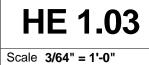


SEI design group

MARCELLUS CENTRAL SCHOOL DISTRICT

K.C. HEFFERNAN ELEMENTARY

**FIRST FLOOR - AREA C** 



# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Building Information

Page Last Modified: 06/10/2016

Bu 1.	uilding Information Name of School District:	
	ARCELLUS CSD	
2.	SED District 8-Digit BEDS Code:	
421	1101060000	
	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	
	<ul> <li>9. Certificate of Occupancy Status:</li> <li>A - Annual</li> <li>T - Temporary</li> <li>N - None</li> </ul>	
	<b>10. Certificate of Occupancy Expiration Date:</b> 03/01/2017	a subsequences days
Bu	uilding 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:	<b>3</b> .
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 the ended of the second state of the secon

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 Survey

Building Information

☑ No

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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

# 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)

		. N/A (none) 🗵 j. Health Office	. 🗹 .	s. Resource Rooms	
	0	b. Administration 🔲 k. Home & Careers		t. Science Labs	
2.14	Ø	. Art de la complete de la Brenz I. Kitchen de des de la complete de la complete de la complete de la complete	and 🗖 ar 1	u. Special Education	apan datiki dati b
		I. Audio Visual 🔲 m. Large Group Instruction		v. Swimming Pool	
		. Auditorium 🔽 n. Library		w. Teacher Resource	
		. Cafeteria 🛛 🗖 o. Multipurpose Rooms		x. Technology/Shop	
		g. Computer Room 🗹 p. Music		y. Other (please descri	be)
	Ø	n. Guidance 🔲 q. Pre-K			
영상 사람이 있다.		. Gymnasium 🗖 r. Remedial Rooms		생활되면 전문물자	

26y. Describe other spaces

(No Response)

#### Space Adequacy

27. Rating of space adequacy:

- 🗹 Good
- 🗖 Fair
- D 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			
<ul><li>✓ Yes</li><li>□ No</li></ul>			
37a. Type of Service	<b>a</b> n		n an three an a that that an
•			· · · · · · · · · · · · · · · · · · ·
	provided	an an Araba an Araba an Araba an Araba. Araba an Araba an Ara Araba an Araba an Arab	
C Other			ant san teor and
37b. Condition:			
Excellent			
<ul> <li>Satisfactory</li> <li>Unsatisfactory</li> </ul>			
<ul> <li>Unsatisfactory</li> <li>Non-Functioning</li> </ul>			ayaaa ah ay tabaha. Maraa ah ah tabaha
Critical Failure			
37c. Year of Last Ma	jor Reconstruction/Replacement:		
1990	and a star second second		N
37d. Expected Rema	iining Useful Life (Years):		
<b>15</b> . 11 1 1 1 1	$\begin{array}{c} x = 1 & x = 1 \\ x = 1 & x = 1 \\ x = 1 & x = 1 \end{array}$		. * *
37e. Cost to Recons	struct/Replace \$:		
(No Response)			
37f. Comments:			
(No Response)			
38. Site Sanitary (H)			
☑ Yes □ No			
38a. Type of Service	ə:		
Municipal or utility set			
Site septic			
□ Other ´			
38b. Condition:			
Excellent			
<ul> <li>Satisfactory</li> <li>Unsatisfactory</li> </ul>			
□ Non-Functioning			
Critical Failure			
38c. Year of Last Ma	ajor Reconstruction/Replacement:		
1990			

1990

38d. Expected Remaining Useful Life (Years):

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Site Utilities

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38e. Cost to reconstruct/Re	eplace \$:	
40,000.00		
38f. Comments:	unata (antipagati) again	
Replace brick risers.	n de server d'Alter en de la falle de la falle de la server de la falle de la falle de la falle de la falle de La falle de la f	en alfer folger af stille fan an en eine eine anger ganne. Eine
39. Site Gas (H) ✓ Yes □ No		
39a. Type of gas service: ☑ Natural Gas □ Liquid Petroleum		
39b. Condition:	a a an an an an tao an an an an	an a
<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>		
<b>39c. Year of Last Major Red</b> 1990	construction/Replacement;	
<b>39d. Expected Remaining l</b> 15	Jseful Life (Years):	
39e. Cost to Reconstruct/R (No Response)	eplace \$:	
39f. Comments:		
(No Response)		tandu waki
40. Site Fuel Oil (H) □ Yes ☑ No		
41. Site Electrical, Including Exte	erior Distribution (H)	

🗹 Yes

🖸 No

41a. Service Provider:

- Municipal or utility provided
- □ Self-Generated
- □ Other
- D 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:
	<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>
	41d. Year of Last Major Reconstruction/Replacement:
	<b>1940</b>
	41e. Expected Remaining Useful Life (Years):
	Ölder och ander
	41f. Cost to Reconstruct/Replace \$:
	41g. Comments:
	Replace old transformer currently inside building to outdoor pad mount.
tormwa	ater Management
42	. Closed Drainage Pipe Stormwater Management System
	42a. Does this facility have a closed pipe system?
	Yes the time to be added and the sector of t
	42b. Condition:
	<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>
	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 Syste	43.	Open Drainage	Pipe Stormwater	Management System
--	-----	---------------	-----------------	-------------------

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

# ☑. Yes D No 43b. Condition: □ Excellent ☑ Satisfactory Unsatisfactory □ Non-Functioning Critical Failure 43c. Year of Last Major Reconstruction/Replacement: 1954 43d. Expected Remaining Useful Life (Years): 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 D 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 Survey

Site Utilities

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#### 45. Culverts

#### 45a. Does this facility have culverts?

#### 46. Outfalls

#### 46a. Does this facility have outfalls?

	Yes	
Ü	No	

#### 47. Infiltration Basins/Chambers

#### 47a. Does this facility have infiltration basins/chambers?

□ Yes ☑ No			
		the second s	

#### 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**

53a. Type: (check all that apply)	
<ul> <li>Concrete</li> <li>Asphalt</li> <li>Gravel</li> <li>Other</li> <li>None</li> </ul>	
53b. Condition:	
<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>	
53c. Year of Last Major Reconstruction/Replacement:	
<b>2009</b>	<u>.</u>
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.	
4. Sidewalks	
l Yes l No	
54a. Type: (check all that apply)	
Concrete	
<ul> <li>Asphait</li> <li>Paver</li> </ul>	
□ Other	
54b. Condition:	
Excellent	
☑ Satisfactory	

- 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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54 5	ld. Expected Remaining Useful Life (Years):
	le. Cost to Reconstruct/Replace \$: ,100.00
1	If. Comments: place asphalt walks and walks up to playscapes for access.
55. Pla ∅ Yes □ No	ygrounds and Playground Equipment
5: 	5a. Condition: Excellent Satisfactory Unsatisfactory Non-Functioning Critical Failure
20	5b. Year of Last Major Reconstruction/Replacement: 15 5c. Expected Remaining Useful Life (Years):
	5d. Cost to Reconstruct/Replace \$: 0,000.00
55	5e. Comments:
(N	io Response)
56. Ath ☑ Yes □ No	letic Fields and Play Fields
2 2 2 5	Ga. Condition:         Excellent         Satisfactory         Unsatisfactory         Non-Functioning         Critical Failure         Gb. Year of Last Major Reconstruction/Replacement:
56	Sc. Expected Remaining Useful Life (Years):

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Other Site Features

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		en die officielenderen staar. Geboord	tin y faran water y testawi a sta.	g ku tra o tal
56e. Comments:		e centralita de la	a secondaria de la companya de la co	
(No Response)			e en printegentelle	
56f. Does the facil	ity have synthetic turf field(s)			
□ Yes ☑ No			an a	
56f.1 If Yes, how m	nany synthetic turf fields?			
(No Response)			•	
56f.2 Expected Re	maining Useful Life of Syntheti	c Turf Field(s):		
(No Response)		and the second	y trace	
56f.3 Type of syntl	netic turf field infill:			
(No Response)		an a		
Exterior Bleachers /	Stadiums			
		an a		

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

	Yes			
2	No	a de transferencia en la	·	-111

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

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.

# 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:

ra de la composition **(No Response)** esta composition de la comp

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)

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

**Building Envelope** 

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#### 61. Exterior Walls/Columns (S)

#### 61a. Material (check all that apply):

- Concrete
- Masonry
- U 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 Plashing
□ Bfflorescence
□ 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)

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

**Building Envelope** 

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2. Chimneys (S) 1 Yes 1 No		
	ann a fa an an an far dinn far din far a far	
62a. Material (check all that apply):		
<ul> <li>Masonry</li> <li>Concrete</li> </ul>	에는 것을 가지 않는 것은 것을	
□ Metal		- 1 N N
<ul> <li>Wood</li> <li>Other works, strategy weight is seen as a set of the strategy with the strategy of the strategy of the strategy with the strategy of the strate</li></ul>		
	i ya na na ang ika nagagagi itoloh ing ika.	
62a.1 Specify other:		
(No Response)		
62b. Overall Condition of Chimneys:		
□ Excellent		
<ul> <li>Satisfactory</li> <li>Unsatisfactory</li> </ul>		
□ Unsatisfactory □ Non-Functioning		
Critical failure		
62c. Year of Last Major Reconstruction/Replacement:		
1940 - I		÷
62.d Expected Remaining Useful Life (Years):		
10		
62e. Cost to Reconstruct/Replace \$:		
(No Response)	and a start of the	
62f. Comments:		
(No Response)		
3. Parapets (S)		
Yes		
1 No		
63a. Construction Type (check all that apply):		
Masonry		
Concrete  Metal		
□ Metal □ Wood		
□ Other (specify)		
63a.1 Specify Other:		

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Building Envelope

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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):

|--|

#### 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 \$:

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

**Building Envelope** 

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64h. Comments: Replace older exterior doors and penthouse doors. 65. Exterior Steps, Stairs, Ramps (S) ☑ Yes D No 65a. Overall Condition of Exterior Steps, Stairs and Ramps Bxcellent
 State of the second secon ☑ Satisfactory Unsatisfactory □ Non-Functioning Critical Failure 65b. Year of Last Major Reconstruction/Replacement: 2010 65c. Expected Remaining Useful Life (Years): Ö 65d. Cost to Reconstruct/Replace \$: 50,000.00 65e. Comments: Reset main stairs. Fire Escapes (S) 66. 66a. Does This Facility Have One or More Fire Escapes? □ Yes 🗹 No 67. Windows 7 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 Ы Satisfactory Unsatisfactory □ Non-Functioning

**Critical Failure** 

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Building Envelope

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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):

no se a la construcción de la const 10

#### 67f. Cost to Reconstruct/Replace \$:

```
(No Response)
```

#### 67g. Comments:

(No Response)

### Roof and Skylights (S)

68. Roof and Skylights (S)

Z 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)

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Building Envelope

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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 ❷ No

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

- □ Glass
- □ Other
- 🖸 🕅 👬 Charles and a state of the state of

#### 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)

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Building Envelope

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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):

#### 68I. Cost to Reconstruct/Replace \$:

Constitute in the second difference of the second state of the second difference of the second state of t

#### 68m. Comments:

Roof replacment in 2016 project.

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Interior Spaces

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#### **INTERIOR SPACES**

69.	Interior Bearing Walls and Fire Walls (S)	,	
	그는 것 같은 것 같		
	69a. Overall condition of interior bearing walls and fire walls:		
	<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-functioning</li> <li>Critical Failure</li> </ul>		
	69b. Year of Last Major Reconstruction/Replacement:		
	2009	a staffer an ann an an	
	69c. Expected Remaining Useful Life (Years):		
	10 A state of the paper of the second	en statutetetete	
	69d. Cost to Reconstruct/Replace \$:		
	(No Response)		5
	69e. Comments:		
	(No Response)		
Inte	rior Walls		
70.	Other Interior Walls		
	Yes No		
	70a. Overall condition of other interior walls:		
	<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>		
	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)		

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Interior Spaces

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<b>7</b> V	r <mark>pet</mark>
☑ Yes □ No	
	a. Where located (check all that apply):
	Instructional Space Common Area
71	b. Condition:
	Excellent Satisfactory Unsatisfactory Non-Functioning Critical Failure
71	c. Year of Last Major Reconstruction/Replacement:
20	09
71 004 10	ld. Expected Remaining Useful Life (Years):
71	e. Cost to Reconstruct/Replace \$:
(N)	o Response)
	If. Comments: To Response)
	silient Tiles or Sheet Flooring
☑ Yes □ No	
72	2a. Where located (check all that apply):
	Instructional Space
	Common Area
	Common Area 2b. Overall condition of resilient tiles or sheet flooring:
	2b. Overall condition of resilient tiles or sheet flooring:
	2b. Overall condition of resilient tiles or sheet flooring:         Excellent         Satisfactory         Unsatisfactory         Non-Functioning
	2b. Overall condition of resilient tiles or sheet flooring:         Excellent         Satisfactory         Unsatisfactory         Non-Functioning         Critical Failure
□ 72 □ □ □ 1 72 20	2b. Overall condition of resilient tiles or sheet flooring:         Excellent         Satisfactory         Unsatisfactory         Non-Functioning         Critical Failure         2c. Year of Last Major Reconstruction/Replacement:
□ 72 □ □ □ 1 72 20	2b. Overall condition of resilient tiles or sheet flooring:         Excellent         Satisfactory         Unsatisfactory         Non-Functioning         Critical Failure         2c. Year of Last Major Reconstruction/Replacement:         05         2d. Expected Remaining Useful Life (Years):
□ 72 □ □ □ 72 20 72 15	2b. Overall condition of resilient tiles or sheet flooring:         Excellent         Satisfactory         Unsatisfactory         Non-Functioning         Critical Failure         2c. Year of Last Major Reconstruction/Replacement:         05         2d. Expected Remaining Useful Life (Years):

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Interior Spaces

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	72f. Comments:		
	Replace older classroom flooring.		Neder
73.	Hard Flooring (concrete; ceramic tile; stone; etc)		
	Yes Vo		
	73a. Where located (check all that apply):		
	<ul> <li>Instructional Space</li> <li>Common Area</li> </ul>		
	73b. Overall condition of hard flooring:		
	<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>		
	73c. Year of Last Major Reconstruction/Replacement:		
	2009		
	73d. Expected Remaining Useful Life (Years):		
	10		
	73e. Cost to Reconstruct/Replace \$:		
	(No Response)	The second se	
	73f. Comments:		
	(No Response)		
74.	Wood Flooring		
	Yes No		
	74a. Where located (check all that apply):		
	<ul> <li>Instructional Space</li> <li>Common Area</li> </ul>		
	74b. Overall condition of wood flooring:		
	<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>		
	74c. Year of Last Major Reconstruction/Replacement:		
	2005		
	74d. Expected Remaining Useful Life (Years):		

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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 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:

- **D**. **Excellent**
- Satisfactory
- Unsatisfactory
- □ Non-Functioning
- Critical Failure

#### 77c. Year of Last Major Reconstruction/Replacement:

2009

#### 77d. Expected Remaining Useful Life (Years):

#### 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.
vator, L	ifts and Escalators (H)
79. □ Y ☑ N	에서 방법을 가지 않는 것 같은 것 같
erior Ele	ectrical Distribution (H)
80.	Interior Electrical Distribution (H)
₽ Y D N	같은 것
	80a. Interior electrical supply meets current needs:
	Yes
	80b. Condition of interior electrical distribution:
	<ul> <li>Excellent</li> <li>Satisfactory</li> </ul>
	Unsatisfactory
	<ul> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>
	80c. Year of Last Major Reconstruction/Replacement:
	2009
	80d. Expected Remaining Useful Life (Years):
	° 80e. Cost to Reconstruct/Replace \$:
	10000
	80f. Comments:

#### **Lighting Fixtures**

#### 81. Interior Lighting Fixtures

- 🗹 Yes
- 🗆 No

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Interior Spaces

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🗇 Excellen	lition of interior lighting fixtu	163.	
<ul> <li>Satisfact</li> <li>Unsatisfa</li> <li>Unsatisfa</li> <li>Non-Fun</li> <li>Critical I</li> </ul>	ory actory ectioning		
81b. Year	of Last Major Reconstructio	n/Replacement:	
2009			an a statistick free free free free free free free fre
81c. Expe	cted Remaining Useful Life (	(Years):	
10			and the second second second
81d. Cost	to Reconstruct/Replace \$:		
(No Response	e)		ing Arthur
81e. Com	ments:		
(No Response	e)		
munication Syste			
-	ation Systems (H)		
<ul><li>☑ Yes</li><li>□ No</li></ul>			
🗹 Yes	munication systems are ade		
☑ Yes □ No			
☑ Yes □ No	lition of communication syst		
☑ Yes □ No 82b. Cond	lition of communication syst t ory actory actory		
<ul> <li>Yes</li> <li>No</li> <li>82b. Cond</li> <li>Excellen</li> <li>Satisfact</li> <li>Unsatisfa</li> <li>Non-Fun</li> <li>Critical H</li> </ul>	lition of communication syst t ory actory actory	tems:	
<ul> <li>Yes</li> <li>No</li> <li>82b. Cond</li> <li>Excellen</li> <li>Satisfact</li> <li>Unsatisfa</li> <li>Non-Fun</li> <li>Critical H</li> </ul>	dition of communication syst t ory actory actioning Railure	tems:	
<ul> <li>Yes</li> <li>No</li> <li>82b. Cond</li> <li>Excellen</li> <li>Satisfact</li> <li>Unsatisfa</li> <li>Unsatisfa</li> <li>Non-Fun</li> <li>Critical H</li> <li>82c. Year</li> <li>2011</li> </ul>	dition of communication syst t ory actory actioning Railure	tems: n/Replacement:	
<ul> <li>Yes</li> <li>No</li> <li>82b. Cond</li> <li>Excellen</li> <li>Satisfact</li> <li>Unsatisfa</li> <li>Unsatisfa</li> <li>Non-Fun</li> <li>Critical H</li> <li>82c. Year</li> <li>2011</li> </ul>	dition of communication syst t ory actory actioning Failure of Last Major Reconstruction	tems: n/Replacement:	
<ul> <li>Yes</li> <li>No</li> <li>82b. Cond</li> <li>Excellen</li> <li>Satisfact</li> <li>Unsatisfa</li> <li>Non-Fun</li> <li>Critical F</li> <li>82c. Year</li> <li>2011</li> <li>82d. Expe</li> <li>10</li> </ul>	lition of communication syst t ory actory actory Failure of Last Major Reconstructio octed Remaining Useful Life (	tems: n/Replacement:	
<ul> <li>Yes</li> <li>No</li> <li>82b. Cond</li> <li>Excellen</li> <li>Satisfact</li> <li>Unsatisfa</li> <li>Non-Fun</li> <li>Critical F</li> <li>82c. Year</li> <li>2011</li> <li>82d. Expe</li> <li>10</li> </ul>	dition of communication syst t ory actory actioning Failure of Last Major Reconstruction	tems: n/Replacement:	
<ul> <li>Yes</li> <li>No</li> <li>82b. Cond</li> <li>Excellen</li> <li>Satisfact</li> <li>Unsatisfa</li> <li>Non-Fun</li> <li>Critical H</li> <li>82c. Year</li> <li>2011</li> <li>82d. Expe</li> <li>10</li> <li>82e. Cost</li> </ul>	lition of communication syst t ory actory actory failure of Last Major Reconstruction acted Remaining Useful Life ( to Replace/Reconstruct \$:	tems: n/Replacement:	

#### Swimming Pool and Swimming Pool Systems

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Interior Spaces

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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

	84a. Types of pipes (check all that apply):		
	<ul> <li>Iron</li> <li>Galvanized</li> <li>Copper</li> <li>Lead</li> <li>PVC</li> <li>Other</li> </ul>		
	84b. Overall condition of water distribution system:		
	<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>		in the second se
	84c. Year of Last Major Reconstruction/Replacement:		
	2009 . The second s		n series Na
	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 w	valves (1953 and 1964 wings).	
umbing	Drainage System (H)		
	Plumbing Drainage System (H)		
85.	<i>l</i> es		
	No		

- D 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:
	85d. Expected Remaining Useful Life (Years):
	S film in the second
	85e. Cost to Reconstruct/Replace \$: Not retrained to the construction of the test of the test state of the test state to the test of the test of the
	(No Response)
	85f. Comments:
	ske Anne Barrie en som se her blever er stalle bere blever blever blever blever i som som som som som som som (No Response)
Hot Wat	ter Heaters (H)
. 8	6. Hot Water Heaters (H)
	ne veze server de la serve de la construcción de la serve de la serve de destrucción de la serve de la serve d La Yes, server de la serve d
	86a. Type of fuel (check all that apply):
	Oil
	Natural Gas
	<ul> <li>Propane</li> <li>Other</li> </ul>
	86b. Overall condition of hot water heaters:
	□ <b>Excellent</b>
	✓ Satisfactory
	<ul> <li>Unsatisfactory</li> <li>Non-Functioning</li> </ul>
	□ 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.
Plumbi	ng Fixtures
8	7. Plumbing Fixtures
V	l Yes
	l 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:

87c. Expected Remaining Useful Life (Years):

O the second sec

### 87d. Cost to Reconstruct/Replace \$:

170,000.00 see the second s

87e. Comments:

Replace original classroom WC, SK w/ bubblers.

and the second second

# 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:

 Maxwell Press of the control of the Press of the Press Pr Press P

#### 89. Heat Generating Systems (H)

✓ Yes□ No

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

- Boiler / Hot Water
- De Boiler / Steam
- G 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)

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

HVAC Systems

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```
90. Heating Fuel / Energy Systems (H)
      ☑ Yes
      D 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
      D 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
```

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

HVAC Systems

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```
Air Handling and Ventilation Equipment: Supply Units, Exhaust Units, Relief/Return Units, etc. (H)
       92,
       ☑ Yes
       D 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
       D 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 Distrbution Systems
```

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

HVAC Systems

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94. Ducto Insulation,	-	rstems: Ductwork, Contro	ol Dampers, Fire/Smoke Dampers, VAVs,
☑ Yes □ No			
94a	Overall condition of ducted heating a	nd cooling distribution s	ystems:
	Excellent Satisfactory Unsatisfactory Non-Functioning Critical Failure		
94b	Year of Last Major Reconstruction/Re	eplacement:	
2009			
94c.	Expected Remaining Useful Life (Yea	ırs):	
15			
94d	Cost to Reconstruct/Replace \$:		
15,00	0.00 (1997) - 1997) - 1997) 1990) - 1997) - 1997) - 1997) 1997) - 1997) - 1997) - 1997)		
	Comments:		
Clear	n Gymnasium and library ductwork systems.	an a	en e
IVAC Control S	-		
355	Control Systems (H)		
☑ Yes □ No			
95a.	Overall condition of control systems:		
	Excellent Satisfactory Unsatisfactory Non-Functioning Critical Failure		
95b	Year of Last Major Reconstruction/Re	eplacement:	
2009			
95c.	Expected Remaining Useful Life (Yea	ırs):	
15			
95d	Cost to Reconstruct/Replace \$:		
240,0	00,00		
95e.	Comments:		
EPC	and alternate 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)
<ul> <li>Yes</li> <li>No</li> </ul>
96a. Overall condition of fire alarm system:
<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>
96b. Year of Last Major Reconstruction/Replacement:
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)
<ul><li>☑ Yes</li><li>□ No</li></ul>
97a. Overall condition of smoke detection systems:
<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>
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 Survey

Fire Safety Systems

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	//Exit Lighting Systems			
v Y	Emergency / Exit Lighting Syst			
	99a. Overall condition of eme	rgency / exit lighting systems:		
	<ul> <li>Bxcellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>			
	99b. Year of Last Major Reco	nstruction/Replacement:		
	2009		and the second second second second second	eng La serie de la
	99c. Expected Remaining Us	eful Life (Years):		
	10 111 and 1144		a a ser a	
	99d. Cost to Reconstruct/Rep	place \$:		
	55,000.00			on investig
	99e. Comments;			
	Revise various corridor fixtures to be a	on EM. Replace fluorescent exists, add b	pattery packs, add emergency lighting at exit disch	arge.

### **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
   □ Pair
- Poor and a set of the delayer descent of the delayer of the delayer of the delayer between the delayer of the delayer between the delayer of the delaye

### 104b. Comments:

- (No Response)
- 105. Cleanliness

#### 105a. Overall Rating:

- ☑ Good Anticasta provide a sector sector and a sector and a sector and a sector and a sector of the sec
- Fair course on conservation with the physical structure on conservation with the process of the conservation of the physical structure of the physical structure

#### 105b. Comments:

(No Response) in the second state of the secon

### 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
- D Poor

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

### Environment/Comfort/Health

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### 108d. Comments:

Added OCC sensors in BPC.

### 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 Good
- 🖸 Fair
- D 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
- D No

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

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
112f. Condition of air filters:
Good Good
🗹 Fair
D Poor
112g. Outside air is adequate for occupant load:
🗹 Yes
No
112h. Rating of ventilation/indoor air quality:
Good 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
      I 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?
      2
         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 se	aled or eliminated?
	☑ Yes □ No		
	114c. Is there a certified pesticid		
	□ Yes ☑ No		
	114d. Are pesticides used in the	building?	
	<ul> <li>Yes</li> <li>Yes</li> <li>Yes</li> </ul>		
	114d.1 If Yes, how are they typic	ally applied?	
	<ul> <li>Spot treatment</li> <li>Area wide treatments</li> </ul>		
	114e. Are pesticides used on the	e grounds?	
	□ Yes ☑ No		
	114e.1 If Yes, was an emergency	exemption granted by the Bo	ard of Education?
	<ul> <li>Yes . The new property of the second s</li></ul>		
115.	. Does the school have a passive r	adon mitigation system insta	lled (was built with radon resistant features)?
	<ul> <li>Does the school have a passive r Yes No</li> </ul>	radon mitigation system insta	lled (was built with radon resistant features)?
	Yes		
	Yes No		
	Yes No 115a. Has the facility been tested ☑ Yes	d for the presence of radon?	
	Yes No <b>115a. Has the facility been teste</b> ☑ Yes □ No	d for the presence of radon?	
	Yes No <b>115a. Has the facility been tester</b> ☑ Yes □ No <b>115b. Were any of the results of</b> □ Yes	d for the presence of radon?	to 4 picocuries per liter (pCi/L)?
	Yes No <b>115a. Has the facility been tested</b> ☑ Yes ☐ No <b>115b. Were any of the results of</b> ☐ Yes ☑ No	d for the presence of radon? the test greater than or equal steps to mitigate the elevated d	to 4 picocuries per liter (pCi/L)?
	Yes No 115a. Has the facility been tester Yes No 115b. Were any of the results of Yes No 115c. If Yes, did the school take Yes, active mitigation system installed Yes, passive mitigation system made a Yes, ventilation controls (HVAC) adju Yes, other (describe)	d for the presence of radon? the test greater than or equal steps to mitigate the elevated active usted	to 4 picocuries per liter (pCi/L)?

 $\mathbf{\mathbf{Z}}$ 

# 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. <u>Electrical/Technology System Items:</u>

- 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 o 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

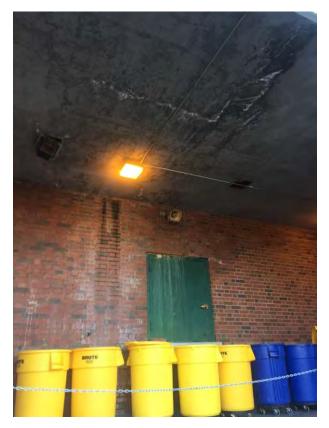


DMS – Original window replacement



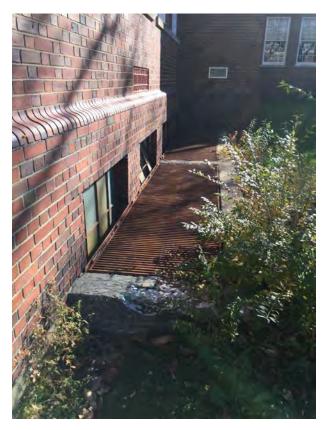


DMS – Masonry restoration, pointing



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



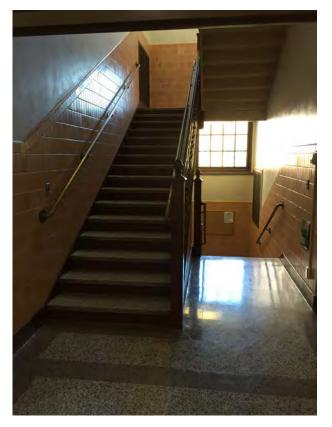
DMS – Replace flooring







DMS – Resolve narrow corridors (remove lockers)



DMS – Provide handrail extensions at interior stairs (ADA)





DMS – Replace older cabinetry



DMS – Remove/replace cabinetry



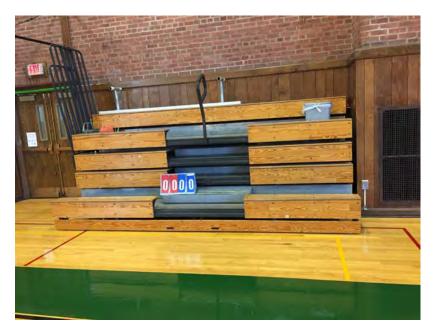


DMS – Resolve floor cracks in newer additions



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**

Marcellus CSD - Driver MS Project: SEI Design Group Architect: 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: Budget Line Item Number: \$75,000 (53)

Item Description:

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

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

Item Description:

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



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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)

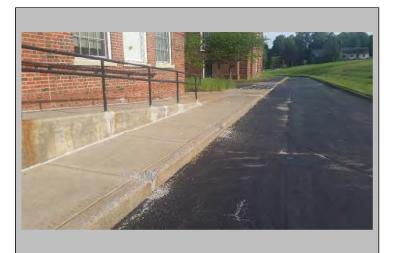


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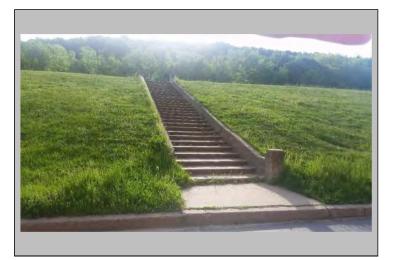
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Marcellus CSD - Driver MS Project: SEI Design Group Architect: Date of Visit: 5-5-2016 Weather: Sunny Participants: Brittany Belding

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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: 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)



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## **Building Condition Survey Supplemental Information**

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

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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

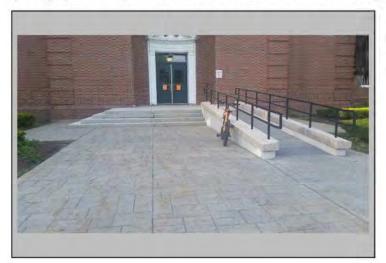


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## **Building Condition Survey Supplemental Information**

Marcellus CSD - Driver MS Project: SEI Design Group Architect: 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: 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)

102 West Division St, Suite 400 Syracuse, NY 13204



(P) 315.476.1022 (F) 315 479 7573 landscape www.appelosborne.com architecture

## **Building Condition Survey Supplemental Information**

Marcellus CSD - Driver MS Project: SEI Design Group Architect: 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.



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Liper	-	
<b>1</b> 1		

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)

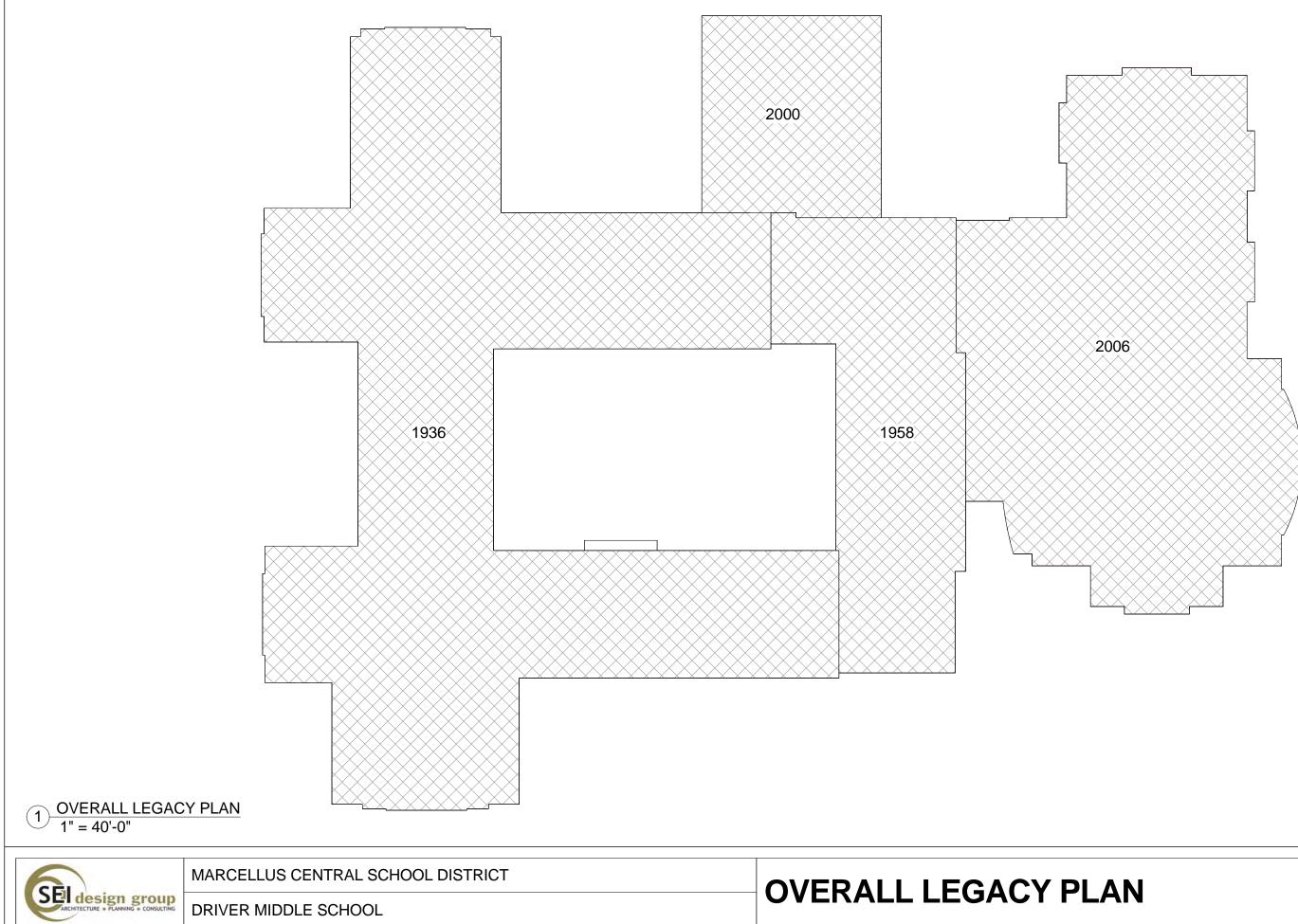
Photograph Number: 17 Budget Line Item Number: \$300,000 (65)

Item Description:

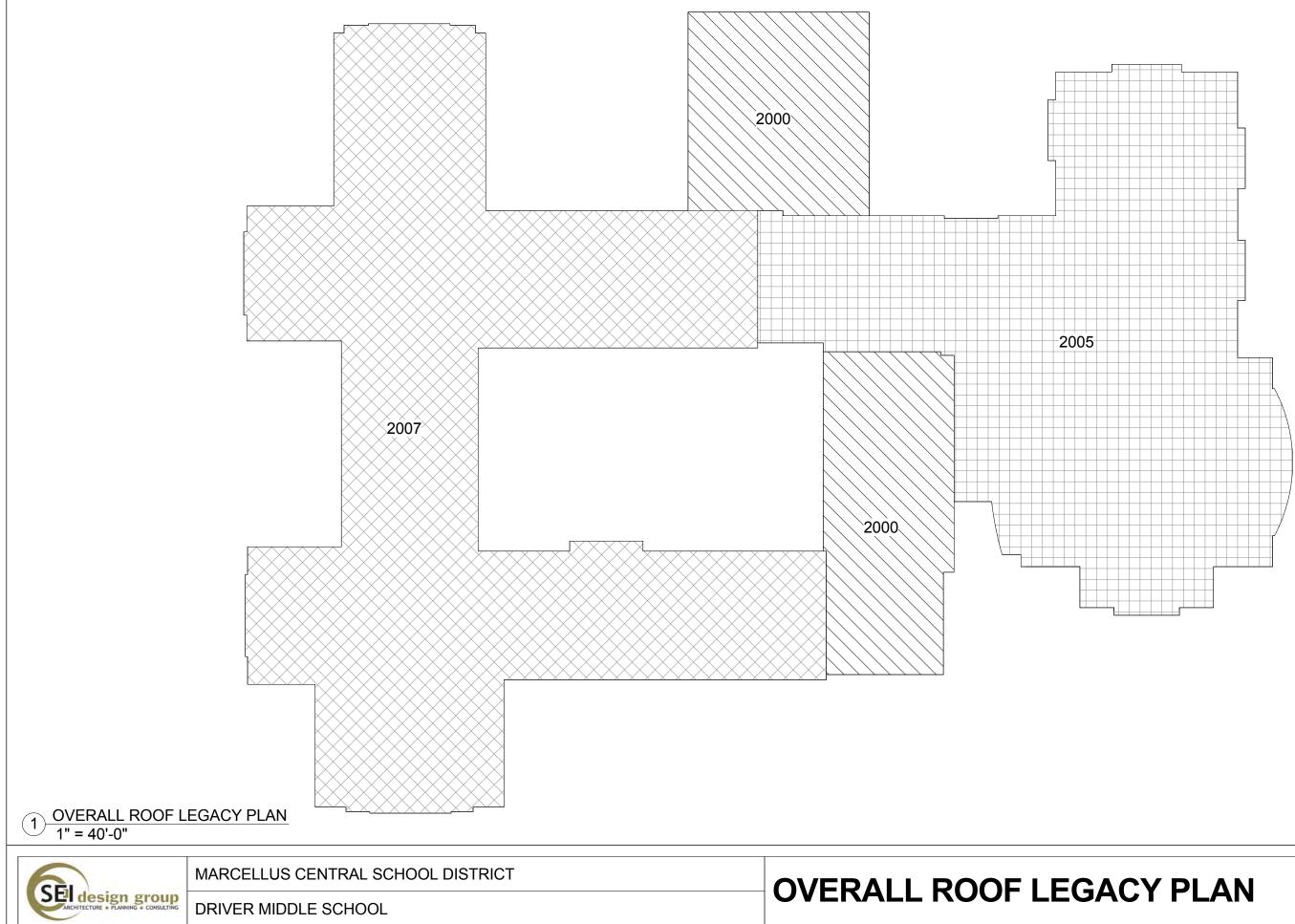
Provide ADA access into courtyard

Photograph Number: Budget Line Item Number:

Item Description:

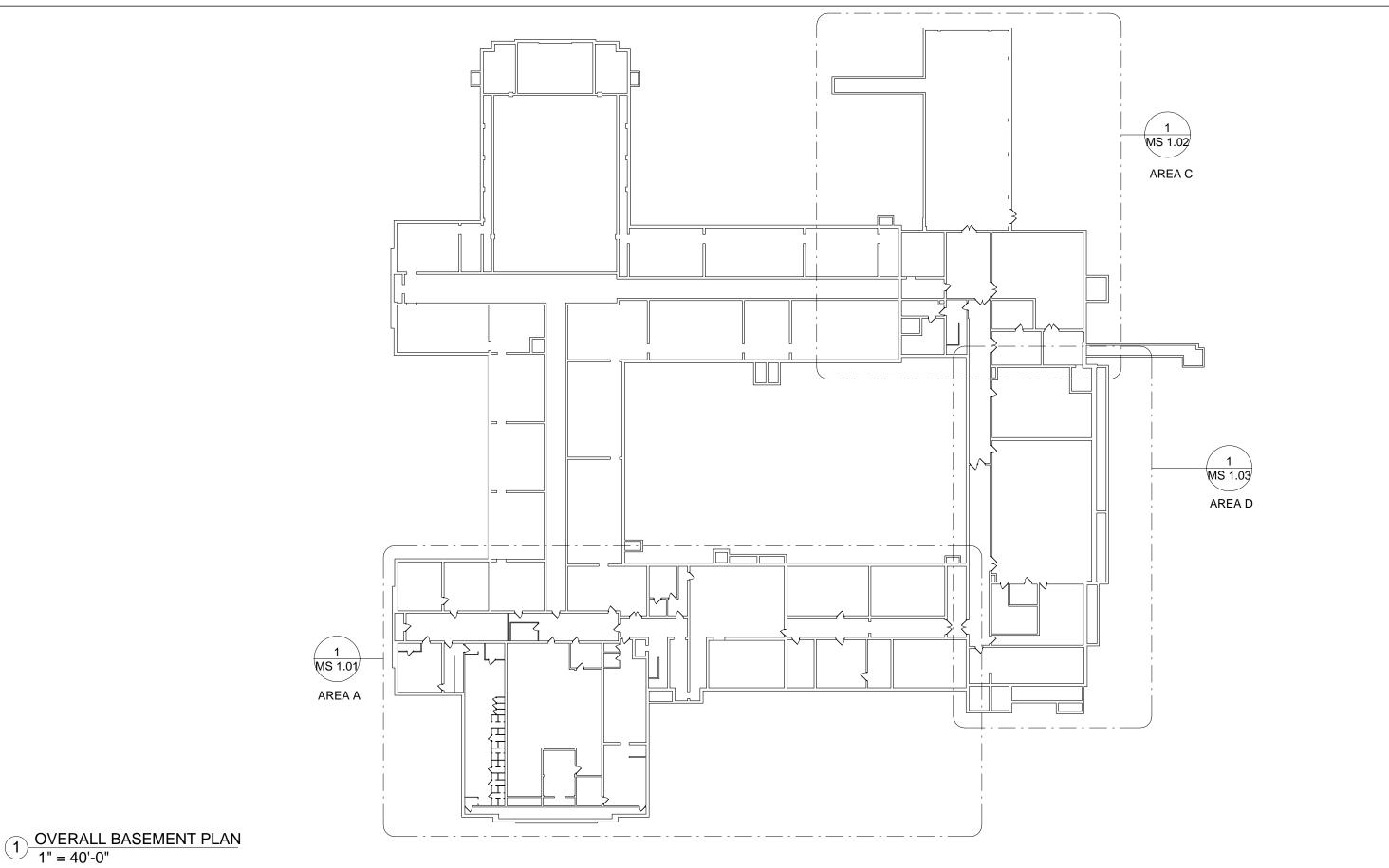


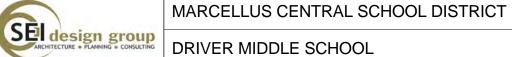








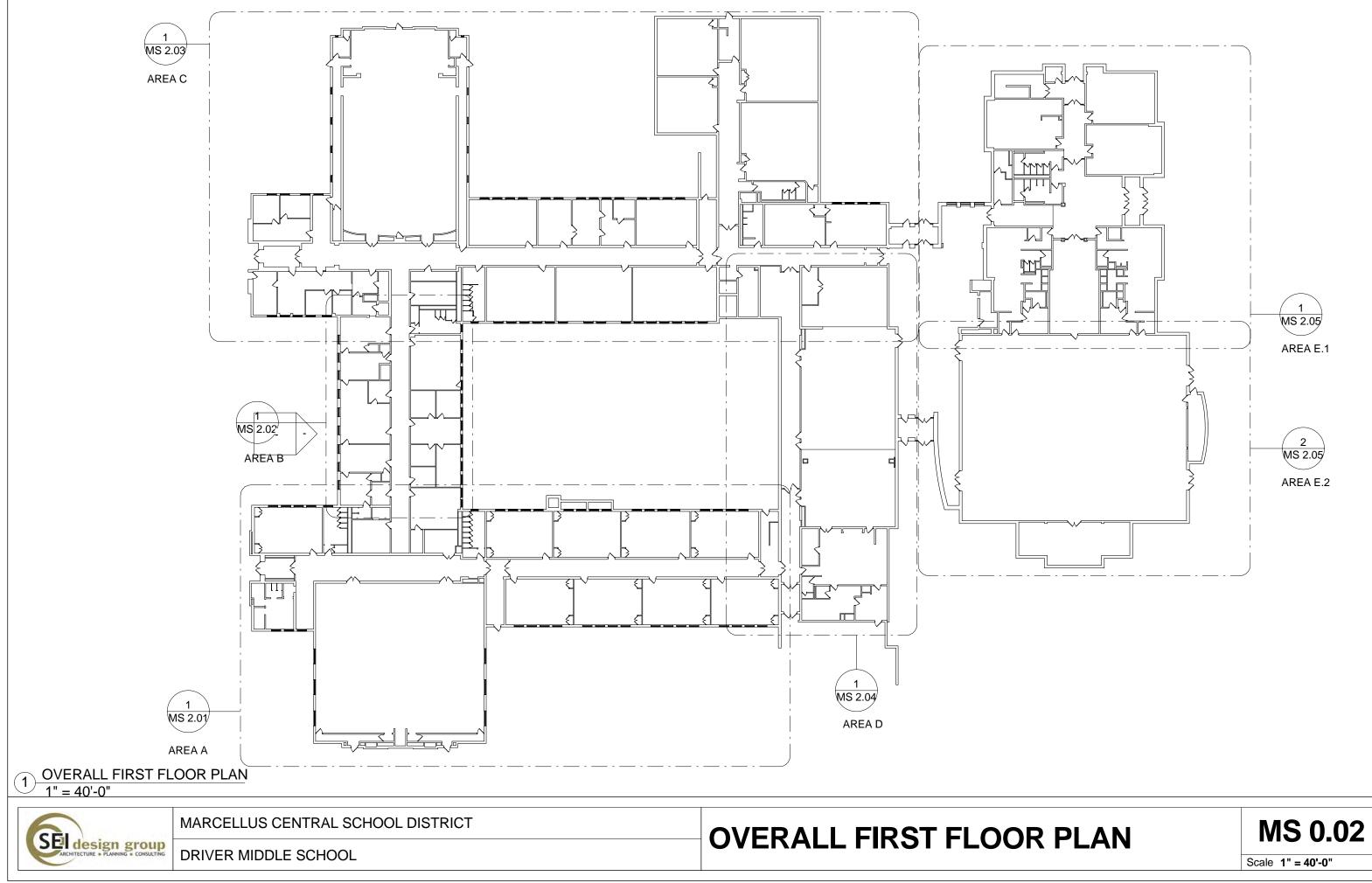


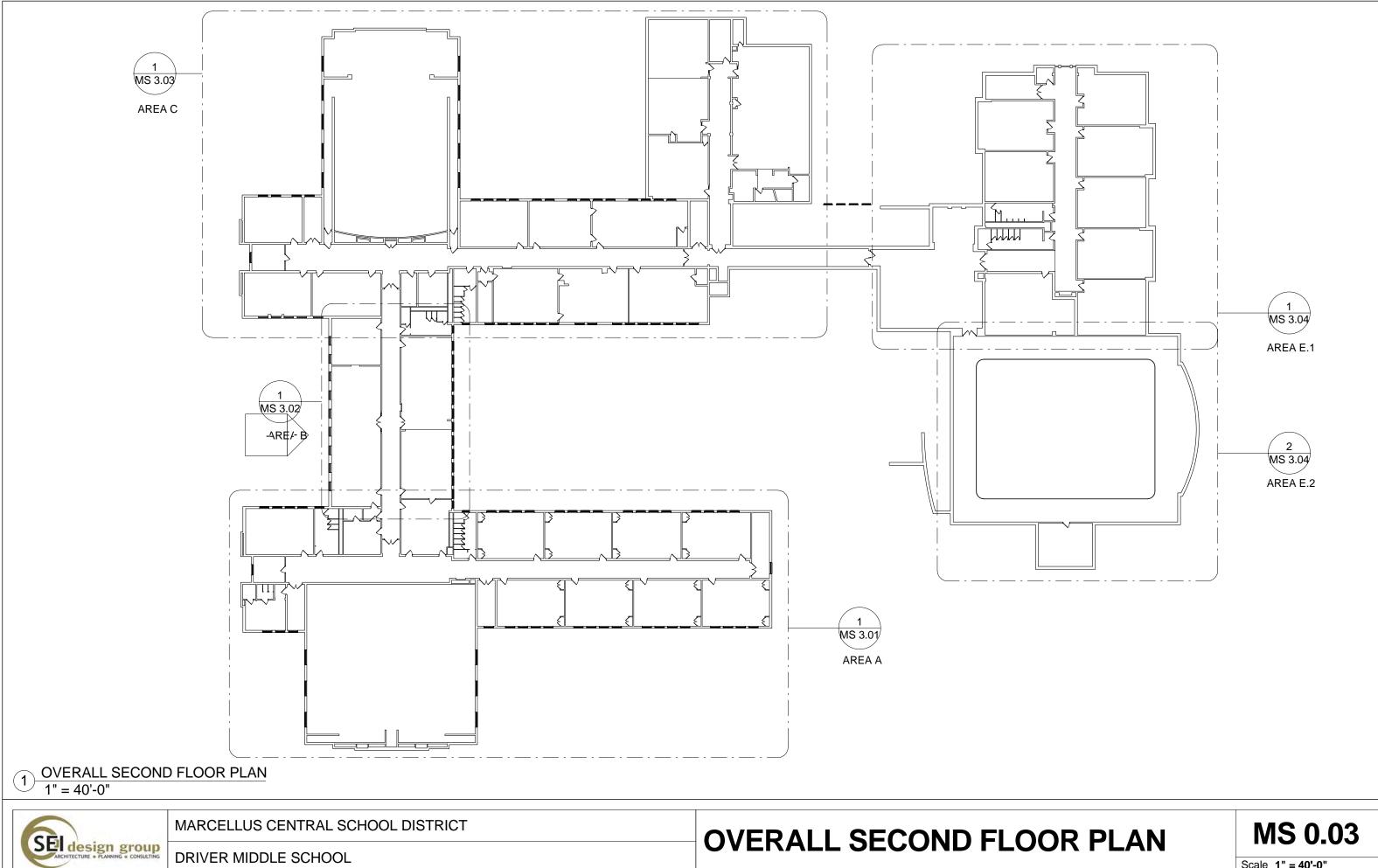


DRIVER MIDDLE SCHOOL

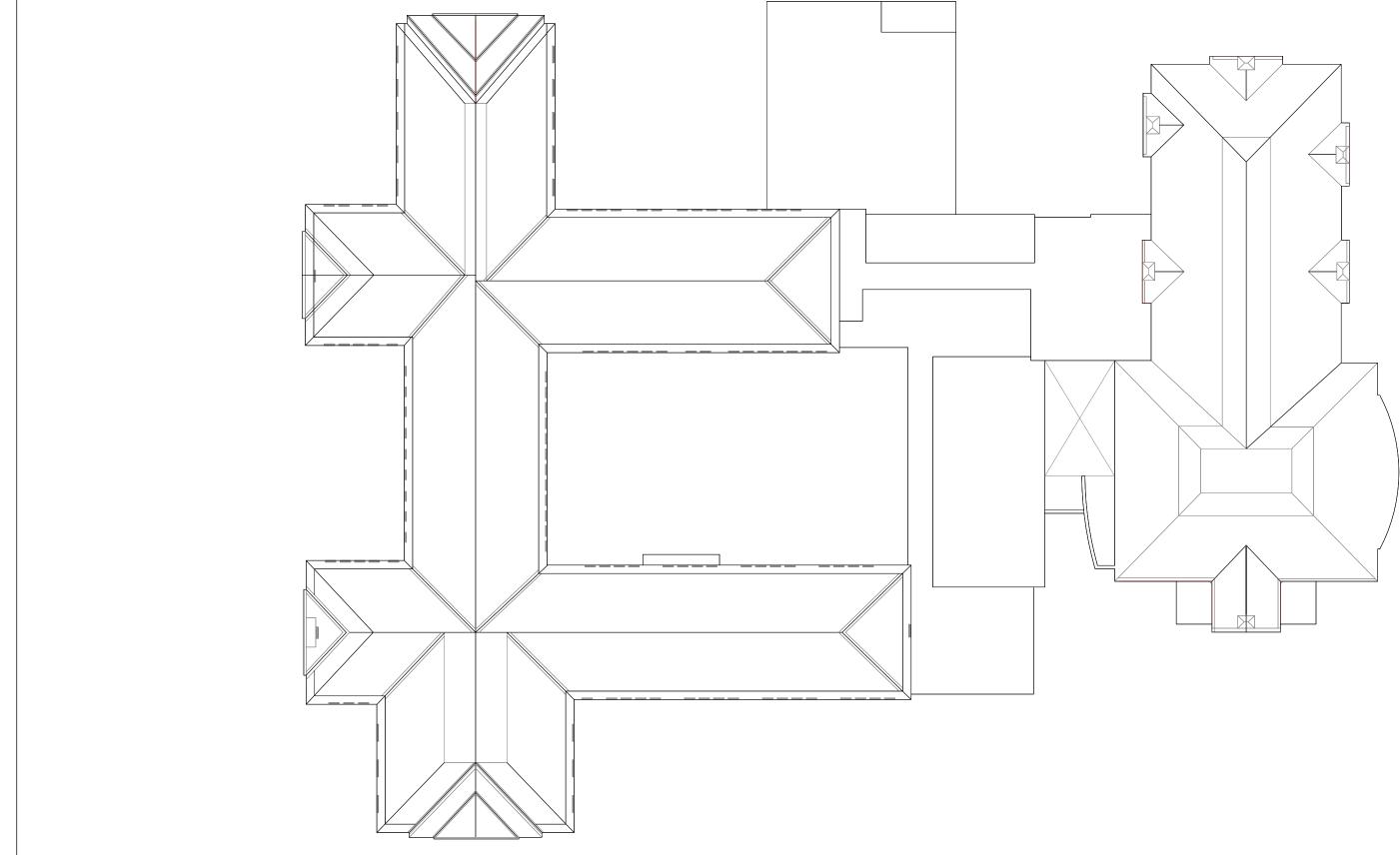
# **OVERALL BASEMENT PLAN**







DRIVER MIDDLE SCHOOL



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

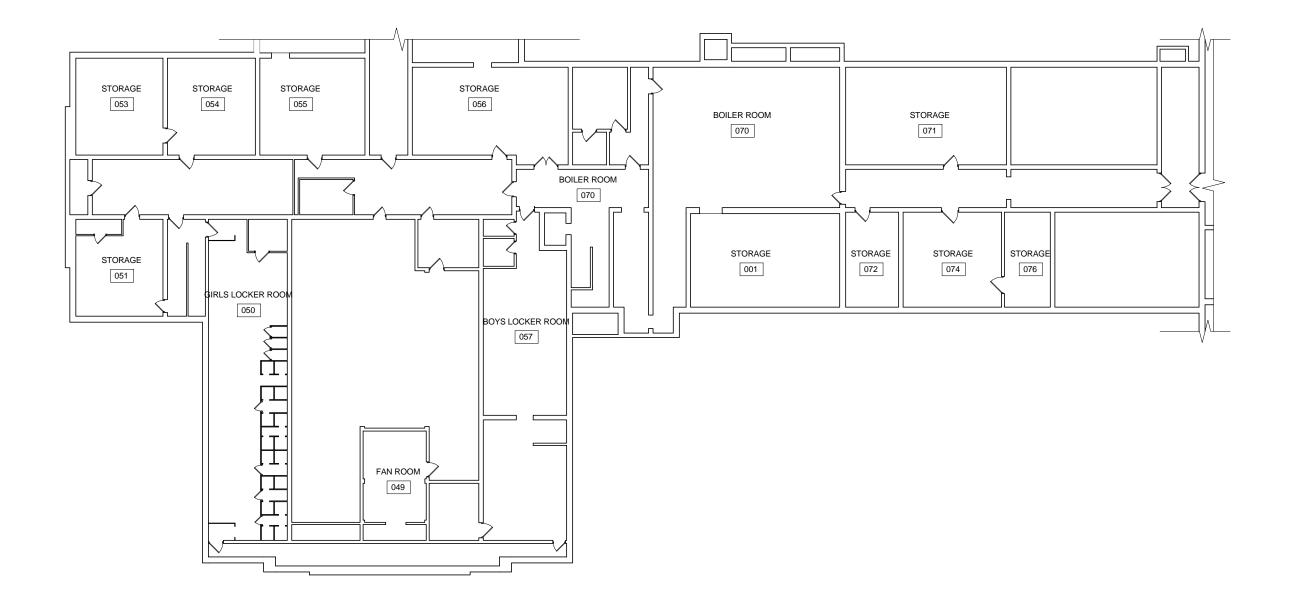


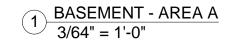
MARCELLUS CENTRAL SCHOOL DISTRICT

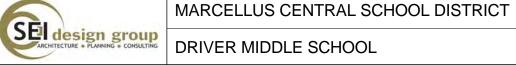
DRIVER MIDDLE SCHOOL

**OVERALL ROOF PLAN** 





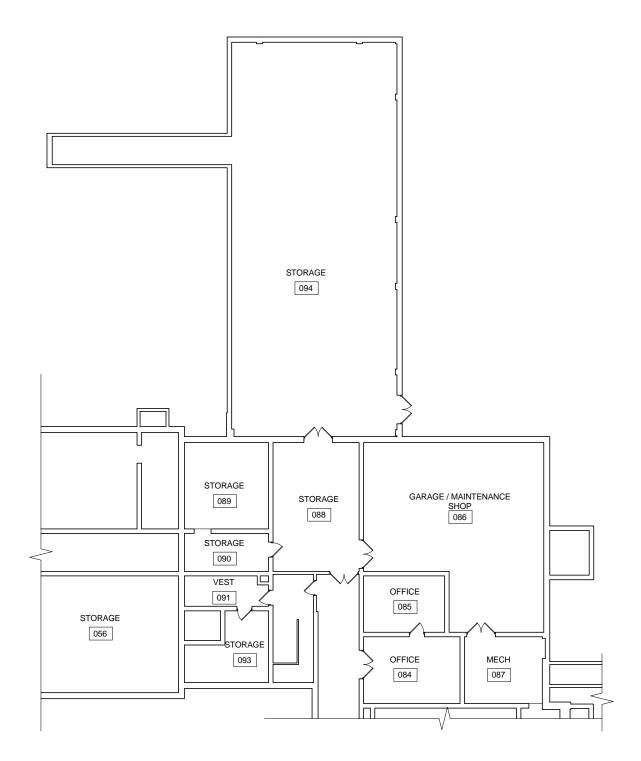


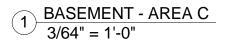


DRIVER MIDDLE SCHOOL

**BASEMENT PLAN - AREA A** 



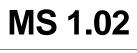


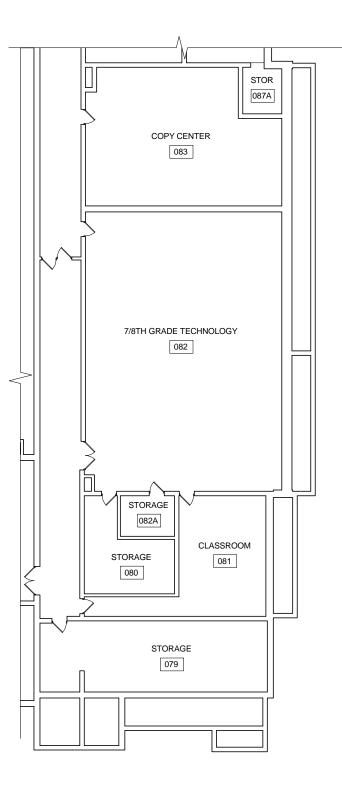


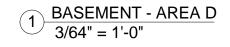
MARCELLUS CENTRAL SCHOOL DISTRICT SEI design group

DRIVER MIDDLE SCHOOL

**BASEMENT - AREA C** 



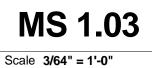


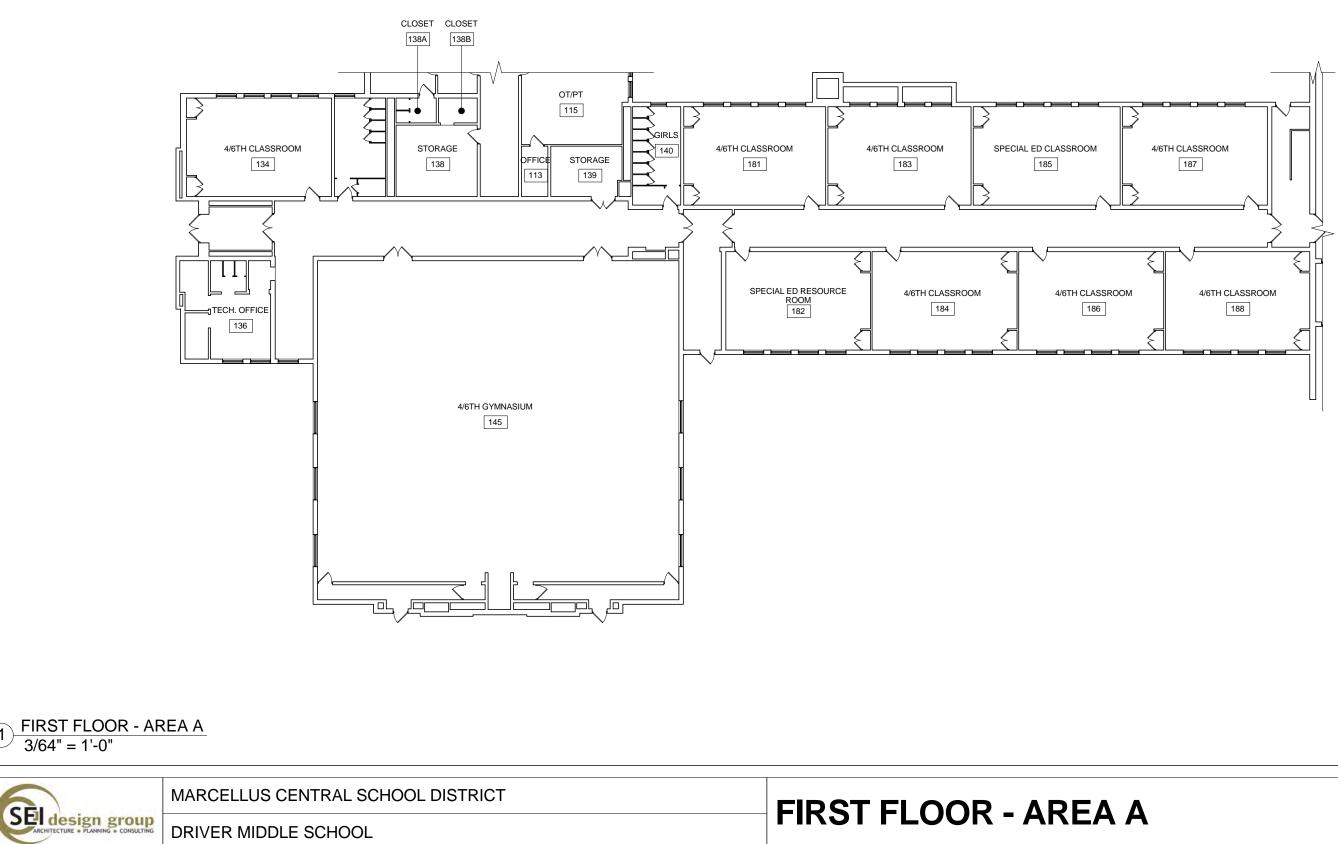


MARCELLUS CENTRAL SCHOOL DISTRICT SELdesign group

DRIVER MIDDLE SCHOOL

**BASEMENT - AREA D** 



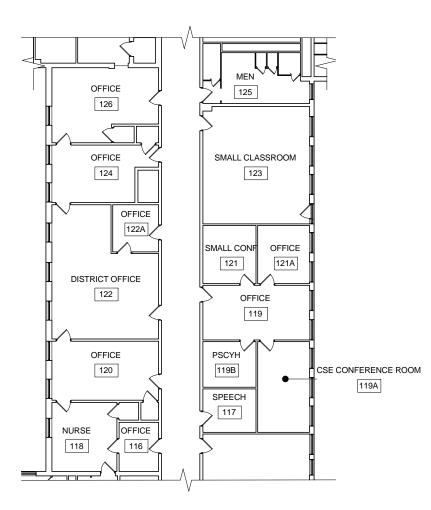


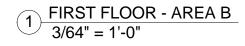
DRIVER MIDDLE SCHOOL

1

**FIRST FLOOR - AREA A** 





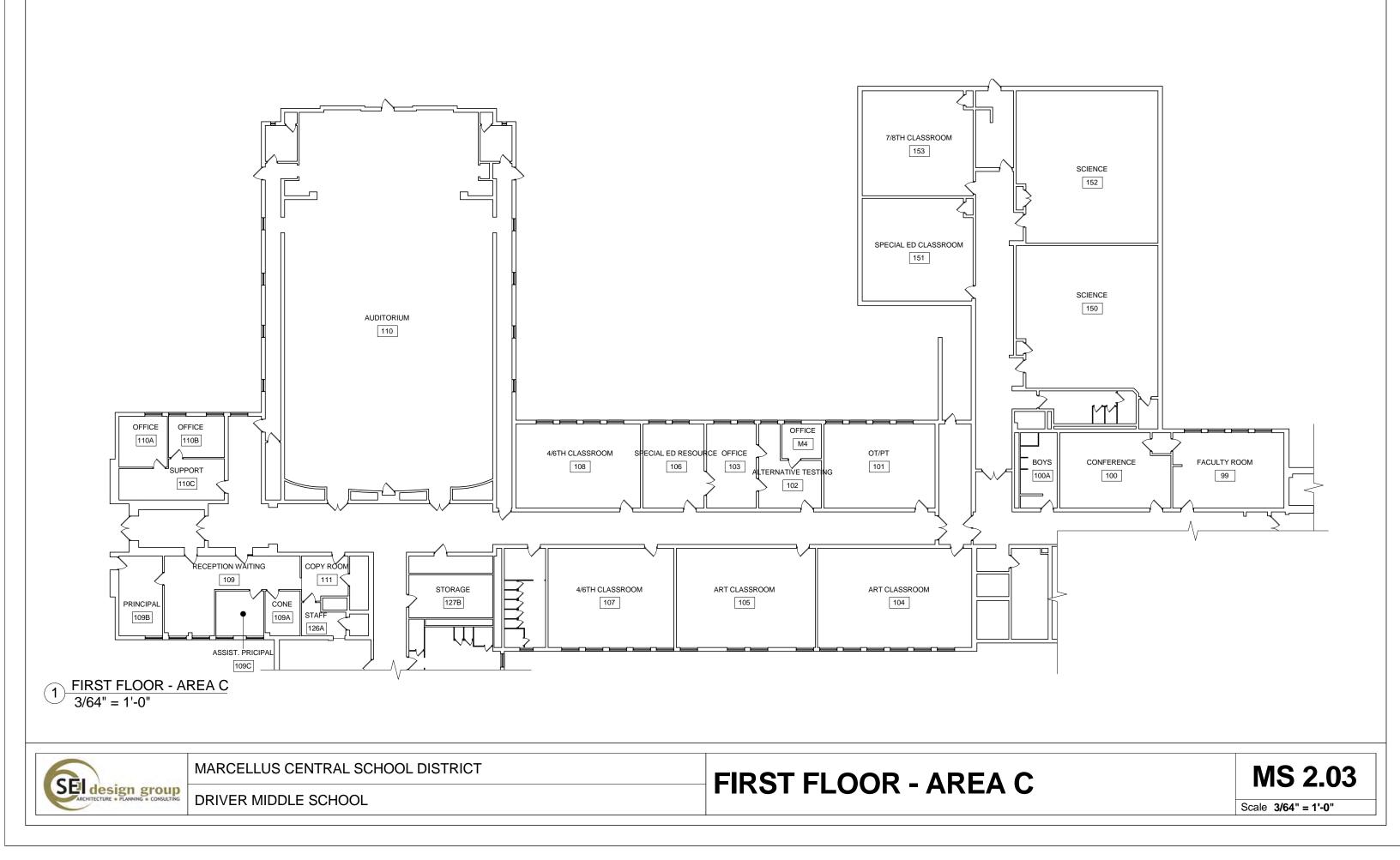


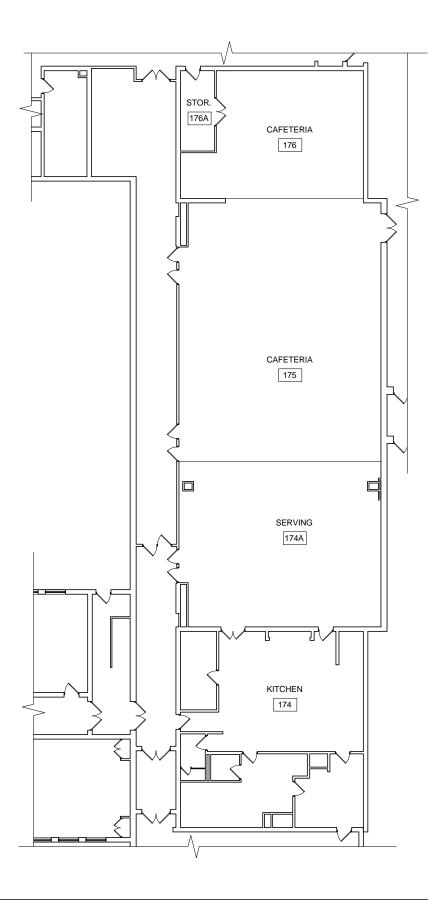
MARCELLUS CENTRAL SCHOOL DISTRICT SEL design group

DRIVER MIDDLE SCHOOL

**FIRST FLOOR - AREA B** 







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

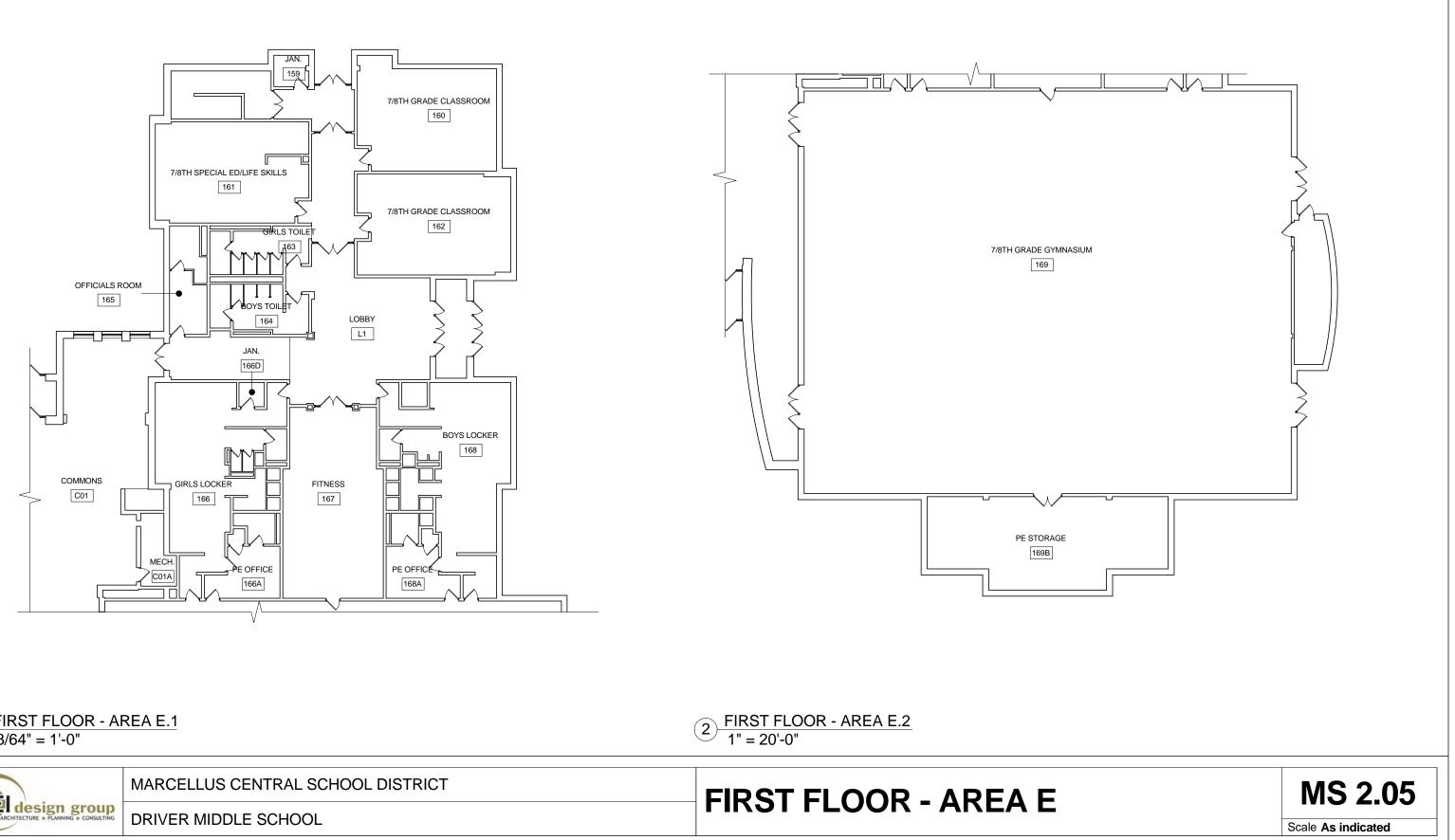


MARCELLUS CENTRAL SCHOOL DISTRICT

DRIVER MIDDLE SCHOOL

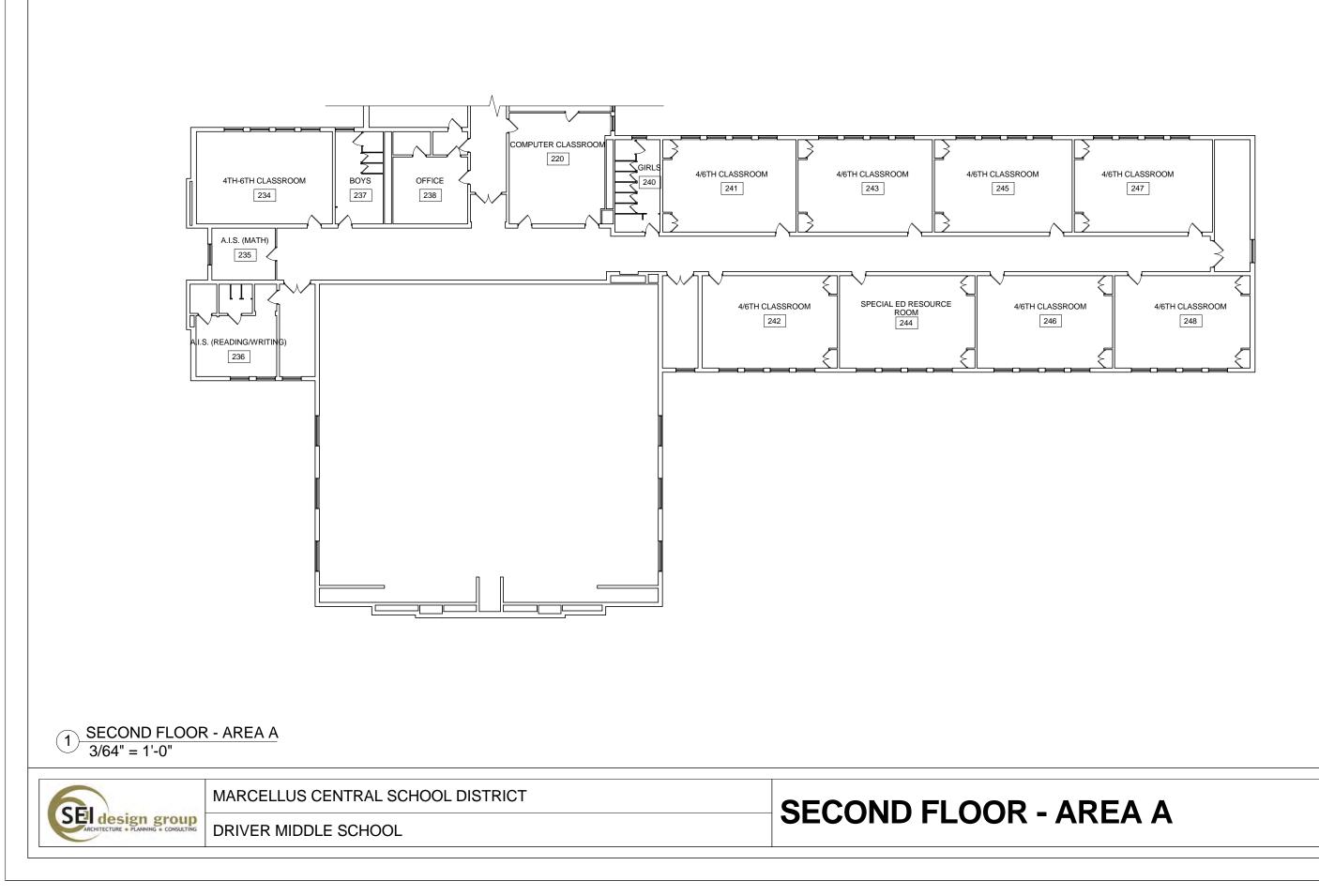
**FIRST FLOOR - AREA D** 



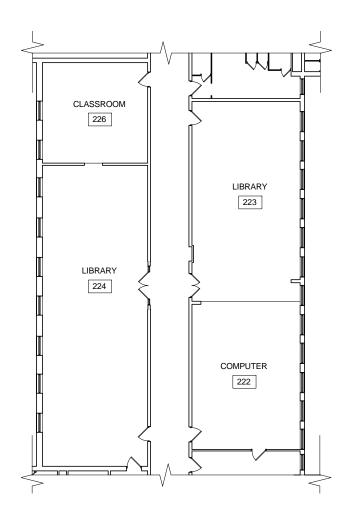


1 FIRST FLOOR - AREA E.1 3/64" = 1'-0"









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

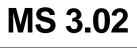


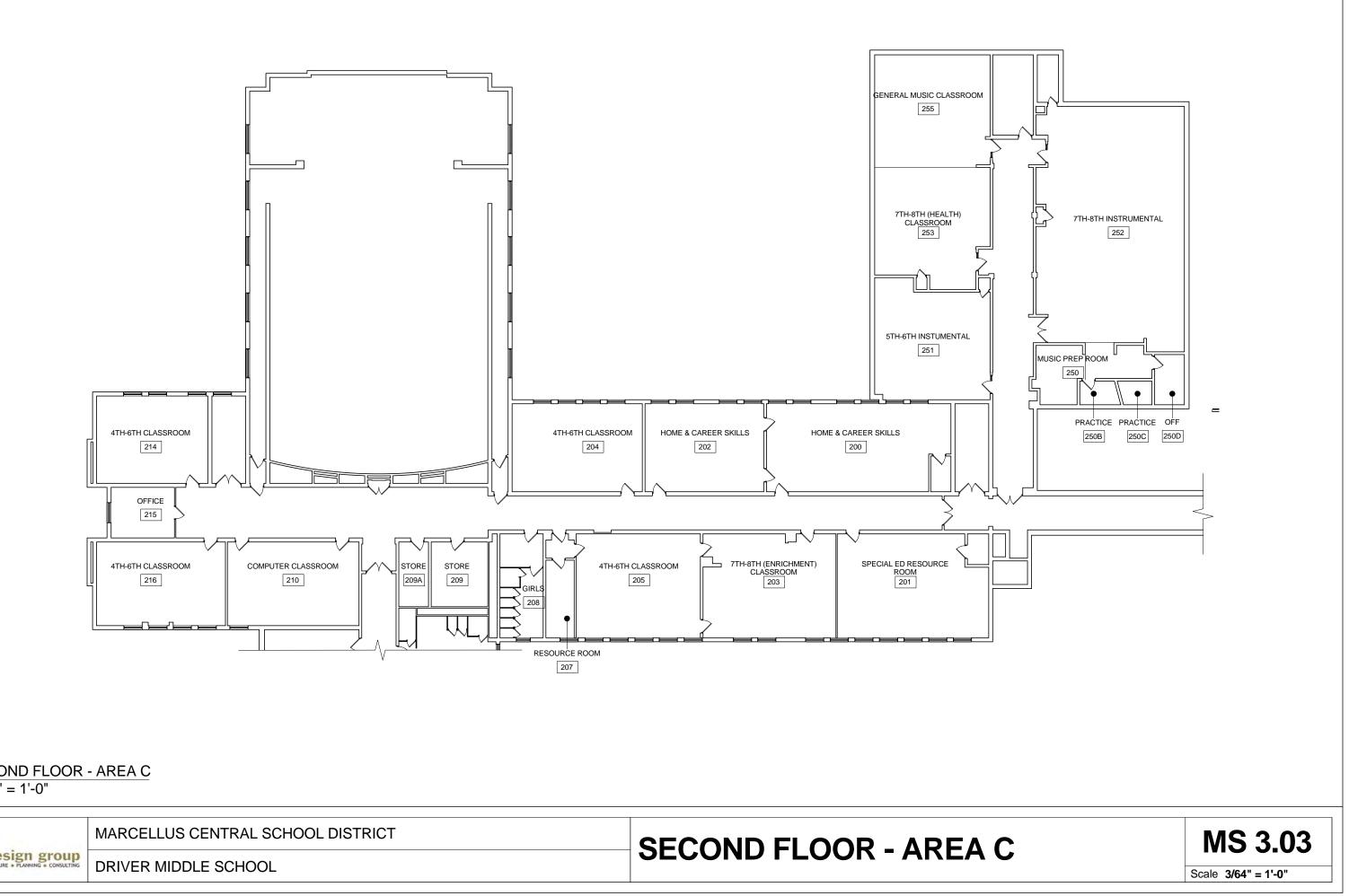
MARCELLUS CENTRAL SCHOOL DISTRICT

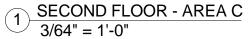
DRIVER MIDDLE SCHOOL

**SECOND FLOOR - AREA B** 



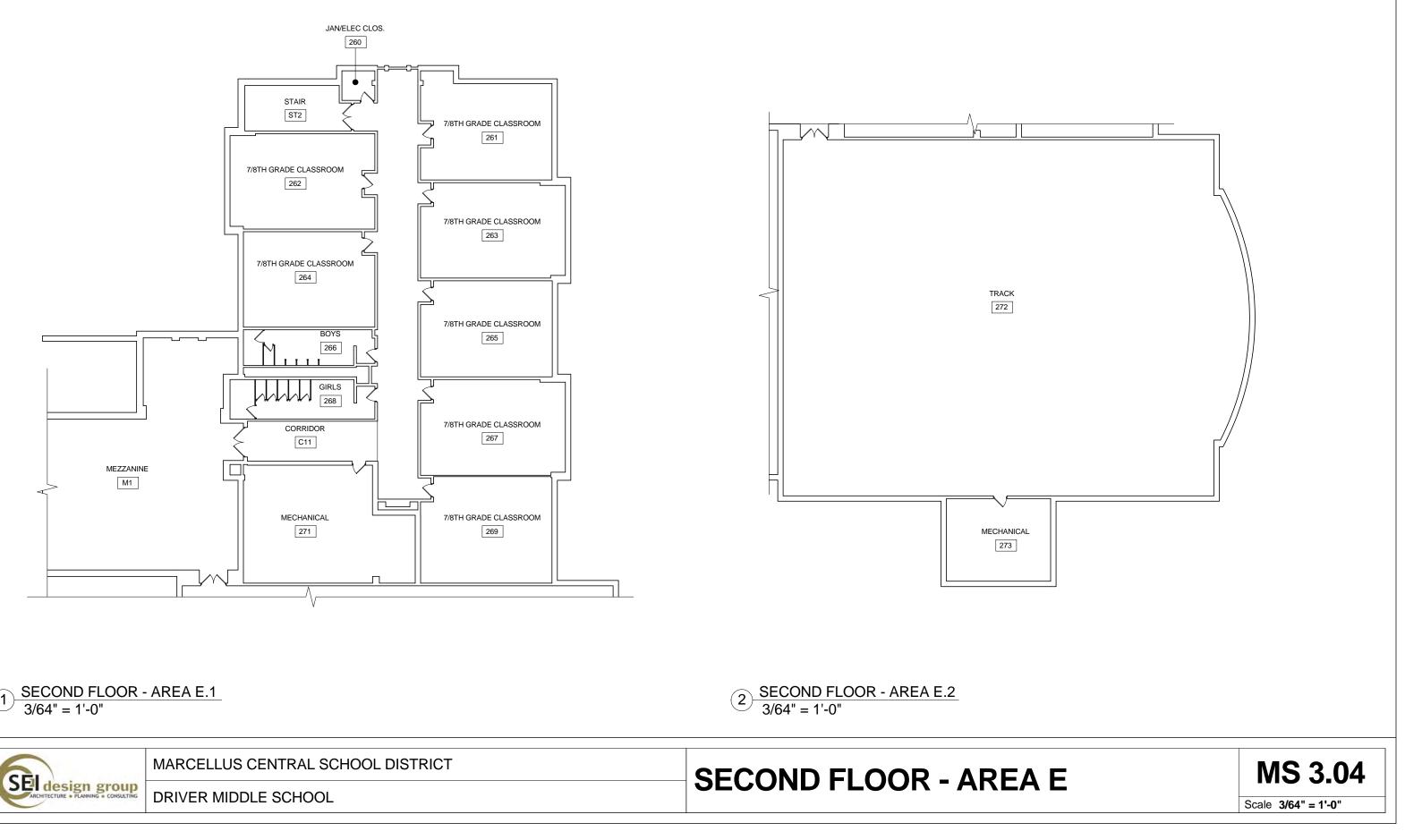






SELdesign group





## 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: C.S. Driver Middle School	ander forste se Gestar verste se
4. SED 4-Digit Facility Code: 0001	n Mariana Aga sa di kacalaran Aga sa di kacalaran
5. Survey Inspection Date: 11/03/2015	
6. Building 911 Address: 2 Reed Parkway	
7. City: Marcellus	
8. Zip Code: New Sector Code: 13108	
9. Certificate of Occupancy Status:	
<ul> <li>A - Annual</li> <li>T - Temporary</li> <li>N - None</li> </ul>	
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:	
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)

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

	Quantity
18a. Permanent instructional spaces (i.e., regular classrooms)	690 (Martin Control of
18b. Temporary instructional spaces (i.e., portable or demountable classrooms) attached to the building	Ó
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 Survey

Building Information

Page Last Modified: 06/10/2016

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")	1
<ul> <li>21. Is the building used for instructional purposes in the summer?</li> <li>☑ Yes</li> <li>□ No</li> </ul>	
<ul> <li>22. Have there been renovations or construction in the building during the past 12 months?</li> <li>☑ Yes</li> <li>□ No</li> </ul>	
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

Page Last Modified: 06/08/2016

#### **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)

	а. N/A (попе)	j. Health Office	🖾 s. Resource Rooms	
	b. Administration	☑ k. Home & Careers	🗹 t. Science Labs	
	c. Art. a see a fee strate assess	🛛 1. Kitchen	u. Special Education	
	d. Audio Visual	m. Large Group Instruction	v, Swimming Pool	
◙	e. Auditorium	🛛 n. Library	🗹 w. Teacher Resource	
ً	f. Cafeteria	o. Multipurpose Rooms	x, Technology/Shop	
. 🗹	g. Computer Room	🗹 p. Music	y. Other (please describe)	
	h. Guidance	D q. Pre-K.		
◙	i. Gymnasium	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
- D 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: 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) 7 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

## 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)		
- 2197	Site Gas (H) Yes No		
	39a. Type of gas service: ☑ Natural Gas □ Liquid Petroleum		. States
	39b. Condition:         Bxcellent         Satisfactory         Unsatisfactory         Non-Functioning         Critical Failure		
	<b>39c. Year of Last Major Reconstruction/Replacement;</b> 1990	energi (n. 19 Matrixiett	in an an Chaile Intraine is an Annaich
	<b>39d. Expected Remaining Useful Life (Years):</b>		i
	39e. Cost to Reconstruct/Replace \$: (No Response)		.•.
	39f. Comments: (No Response)		
	Site Fuel Oil (H) Yes No		
41.	Site Electrical, Including Exterior Distribution (H) Yes		

42a. Does this facility have a closed pipe system?

- 🛛 Yes
- 🛛 No

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Site Utilities

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42b. Condition:	
<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>	
42c. Year of Last Major Reconstruction/Replacement:	
1936 - A ANNA ANNA ANNA ANNA ANNA ANNA ANNA	ger William and a start of the
42d. Expected Remaining Useful Life (Years):	
5 A CARACTERINA STATES	a <sup>all</sup> andra a
42e. Cost to Reconstruct/Replace \$:	
<b>250,000.00</b>	
42f. Comments:	
West end drainage improvements.	
43. Open Drainage Pipe Stormwater Management System	
<ul> <li>44. Catch Basins/Drop Inlets/Manholes</li> <li>44a. Does this facility have catch basins/drop inlets/manholes?</li> <li>☑ Yes</li> </ul>	
D No	
44b. Condition:         Bxcellent         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 coruer.	

## 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?

```
    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?

	- そうわりたい 読ん ない たいたい たいたいたい たいいたいない		
		计数据 法法律法律法律法律法律法律法 法法律法律法律法律法律法律法律法律法律法律法律	
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_	<b>V</b>		
	Yes	化二乙基 化乙基基苯基 化乙基乙基乙基乙基乙基乙基乙基乙基乙基乙基乙基乙基乙基乙基乙基乙基乙基乙基乙	이 가슴 몸 감독 가슴 가슴
_			
			And the second
_	37		
	No		
	110		

#### 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
- D 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				n na sta Stalika se s	Allen and Allen Allen Allen and Allen Allen Allen and Allen Allen	
------------	--	--	--	--------------------------	---	--

#### 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
- D 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):				
	<b>15</b> (5.15)		Ran Vervisieren er		Ang sanatang Sengar Ang sanatang sanatang sanatang sanatang sanatang sanatang sanatang sanatang sanatang sanat		
	54e. Cost to R	leconstruct/Replace \$:					
	129,000.00		ed program in	$\sum_{i=1}^{n+1} \sum_{j=1}^{n+1} \left( \sum_{i=1}^{n+1} \left( \sum_{j=1}^{n+1} \left( \sum_{j=1}$	. •		1.11
	54f. Comment	s:					
	Concrete ramps on	east end, replace asphalt walk	s and west walks.			. 1911	
55.	Playgrounds an	d Playground Equipmer	nt				
	ζes No						
	55a. Condition	1:					
	<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Function</li> <li>Critical Failur</li> </ul>	ing					
	55b. Year of L	ast Major Reconstructio	on/Replacement:				
	2010		5. S. J.	an an the state of	an a	e tra	
	55c. Expected	Remaining Useful Life	(Years):				
	15						
	55d. Cost to R	leconstruct/Replace \$:					
	(No Response)						
	55e. Commen	ts:					
	(No Response)						
56.	Athletic Fields a	and Play Fields					
_	Yes ∛o						
	56a. Conditio	n:					
	<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Function</li> <li>Critical Failur</li> </ul>	ing					
	56b. Year of L	ast Major Reconstructio	on/Replacement:				
	2006						
	56c. Expected	Remaining Useful Life	(Years):				
	25						

## 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

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 Survey

#### Substructure

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#### Substructure

59. Foundation (S)

#### 59a. Type (check all that apply):

- Reinforced Concrete
- Masonry on Concrete Footing
- C Other

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

- Structural Cracks
- □ Heaving/Jacking
- Decay/Corrosion
- □ Water Penetration
- Unsupported Ends
- □ Other the control of the second seco
- □ Outer □ None

#### 59c. Condition:

- 🗀 Excellent de autorité de la contraction de la
- ☑ 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
- D 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)

## 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

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
- □ Other Problems
- None we have a set of the set of

#### 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 and a second and additional second and a second and a second and a second seco
- None whether the provide the standard states are stated as the state of the stat

#### 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)

## 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Building Envelope

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1922 112 123	<b>es</b>
N	
	62a. Material (check all that apply):
	Masonry Concrete
	□ Metal
	U Wood
	Set Other
	62a.1 Specify other:
	n seperate and a base and a many seperate state and a many strategic set and a particulation of the set of the (No Response)
	62b. Overall Condition of Chimneys:
	Bit Excellent
	Satisfactory
	Non-Functioning     Critical failure
	62c. Year of Last Major Reconstruction/Replacement:
	1988 headhadad asharawaa waxaaladadadadada aharada aharadadada dadadada dadadadada harabada aharabada bara
	62.d Expected Remaining Useful Life (Years):
	n and have been an an an and the second state of t
	62e. Cost to Reconstruct/Replace \$:
	(No Response)
	62f. Comments:
	(No Response)
63.	Parapets (S)
	es
ı N	0
	63f. Comments:
	(No Response)
64.	Exterior Doors
a	4a. Overall Condition of Exterior Door Units:

- Unsatisfactory
- Non-Functioning
- Critical Failure

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Building Envelope

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64	b. Overall condition	of exterior door hardware:	•		
	Satisfactory Unsatisfactory				
64	tc. Do any exterior d	loors have magnetic locking dev	ices?		
0 0	Yes. No				
64	td. Safety/Security f	eatures are adequate?			
0	Yes No			. An ann	
64	le. Year of Last Majo	or Reconstruction/Replacement:			
20	106		e el acordo		
64	f. Expected Remain	ing Useful Life (Years):			
15	postin transma		a an an Arran an Arr Arran an Arran an Arr		
64	lg. Cost to Reconstr	ruct/Replace \$:			
30	,000.00				
64	th. Comments:				
Re	eplace older exterior doors	and hardware.			
65. Ext	terior Steps, Stairs, F	Ramps (S)			
<ul><li>Yes</li><li>No</li></ul>					
65	5a. Overall Condition	n of Exterior Steps, Stairs and Ra	imps		
0 0 0	Satisfactory Unsatisfactory Non-Functioning				
65	5b. Year of Last Maje	or Reconstruction/Replacement:			
20	010				
6	5c. Expected Remain	ning Useful Life (Years):			
10	) .				
6	5d. Cost to Reconsti	ruct/Replace \$:			
55	50,000.00				
6	5e. Comments:				
Re	eset front stairs, ADA acce	ss to courtyard, replace stairs to upper field	d.		

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Building Envelope

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### 66. Fire Escapes (S)

D Y	33	
⊠ N	<b>)</b>	
67.	Windows	
ØY □N	이 동안에 가장 같은 것 같아요. 이 이 이 있는 것 같은 것을 가지만 않는 것 같아요. 이 이 가지만 것 같은 것은 것을 알았는 것 같은 것 같	
	67a. Window Material: (check all that apply)	
	<ul> <li>Aluminum</li> <li>Steel</li> <li>Vinyl</li> <li>Solid Wood</li> <li>Wood w/ External Cladding System</li> <li>Other</li> </ul>	
	67b. Overall Condition of Windows:	
	<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>	
	67c. All Rescue Windows are Operable: ✓ Yes □ No □ N/A	
	67d. Year of Last Major Reconstruction/Replacement: 2006	and the second sec
	67e. Expected Remaining Useful Life (Years):	
	25	
	67f. Cost to Reconstruct/Replace \$:	
	835,000,00	
	67g. Comments:	
	replace original building windows.	
and S	kylights (S)	

- ☑ Yes
- 🗆 No

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Building Envelope

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MARCELLUS CSD

Metal deck on metal trusses/joists	
<ul> <li>Wood deck on wood trusses/joists</li> <li>Wood deck on metal trusses/joists</li> </ul>	
Concrete on metal deck on metal trusses/joists	
] Other (describe below)	
68a.1 Other roof construction type	e:
No Response) . The second state of the second	
68b. Type of roofing material (check a	all that apply):
2 Single-ply membrane	
Built-up	
Asphalt shingle Pre-formed metal	
I IRMA	에는 것은 것은 것은 것이 있는 것이 같은 것이 있는 것이 것이 있다. 것은 것은 것은 것은 것이 있는 것이 있는 것이 있는 것이 있는 것이 있다. 것이 있는 것이 있는 것이 있는 것이 있는 것이 있 같은 것이 같은 것이 같은 것이 같은 것이 있다. 것이 있는 것이 있는 것이 같은 것은 것은 것이 없다. 것이 같은 것이 없는 것이 같이 있는 것이 있는 것이 있는 것이 있는 것이 없다. 것이 있는 것
I Slate	
Other (describe below)	
68b.1 Other roofing material:	
No Response)	
8c. Evidence of structural concerns with	h roof support system (beams/joists/trusses, etc.) (check all that apply
] Structural cracks	
Unsupported ends	
Rot/Decay/Corrosion	a di Antonia ang ang ang ang ang ang ang ang ang an
Deflection	
<ol> <li>Seriously damaged/missing components</li> <li>Other concerns (describe)</li> </ol>	
None	
8c.1 Describe other concerns:	
No Response)	
8d. Evidence of structural concerns with	h roof deck (check all that apply):
Cracks Deflection	
Rot/Decay/Corrosion	
None	
8e. Does this facility have skylights?	
1 Yes	
1 No	y):
	ly):

- D Other
- □ N/A

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Building Envelope

68g. Overall condition of skylights:			
Excellent			
<ul> <li>Satisfactory</li> <li>Unsatisfactory</li> </ul>			
□ Non-Functioning			
Critical Failure			
68h. Evidence of concerns with roofing, sky	lights, flashings, and dra	ins (check all that apply):	
Failures/Splits/Cracks			
Rot/Decay/Corrosion		상 입사를 위한 것을 통한 것을 통해 가능하는 것 - 같은 것 같은 것을 것을 받을 것을 것을 것을 것.	
Inadequate flashing/curbs/pitch pockets			
Inadequate or poorly functioning roof drains			e a statu se statu a paña. An estatu se se se se statu
□ Evidence of water penetration/active leaks			
□ Other (specify)			
None strategie in the second s			
68h.1 Specify other concerns:			
(No Response)			물건 가격을
68i. Overall Condition of Roof and Skylights	:		
Excellent			
Satisfactory			
Unsatisfactory			양한 것은 것은 것은 것은 것으로 있다. 같은 것은 것은 것은 것은 것을 했다.
Non-Functioning			
Critical Failure	a filia de la seconda de la companya de la seconda de la companya de la companya de la companya de la companya Na companya de la comp	이가 이 가지 않는 것은 것은 것은 것을 했다. 이 가지 않는 것은	
68j. Year of Last Major Reconstruction/Repl	acement:	a succession and the ferrer of a device state	an a
2009			te divergin and their
68k. Expected Remaining Useful Life (Years	):		
15	and a strategy of the second	n - Contra Arbeite Berley, Belley - Con Status	
68I. Cost to Reconstruct/Replace \$:			
(No Response)			
68m. Comments:			
(No Response)	$a_{i}=a_{i}^{2}b_{i}$	the second second	

## 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Interior Spaces

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### **INTERIOR SPACES**

69.	Interior Bearing Walls and Fire Walls (S)
	es Io
	69a. Overall condition of interior bearing walls and fire walls:
	<ul> <li>Bxcellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-functioning</li> <li>Critical Failure</li> </ul>
	69b. Year of Last Major Reconstruction/Replacement:
	69c. Expected Remaining Useful Life (Years):
	15 Constructed BERREN BARREN CONTRACTOR CONTRACTOR CONTRACTOR STATE
	69d. Cost to Reconstruct/Replace \$:
	(Nö Response) (A. Martin Martin and A. Ma
	69e. Comments:
	(No Response)
er Interi	ior Walls
70.	Other Interior Walls
D Yo	fes and a substantial state of the second stat
	70a. Overall condition of other interior walls:
	<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>
	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)
r Finis	

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Interior Spaces

□ No	9.	
	71a. Where located (check all that apply):	
	<ul> <li>☐ Instructional Space</li> <li>☑ Common Area</li> </ul>	
	71b. Condition:         Excellent         Satisfactory         Unsatisfactory         Non-Functioning         Critical Failure	
	71c. Year of Last Major Reconstruction/Replacement:	
	2010	
	71d. Expected Remaining Useful Life (Years):	
	71e. Cost to Reconstruct/Replace \$:	
	(No Response)	
	71f. Comments: (No Response)	e <sup>al d</sup> a esta a agr
72. R 2 Yes	(No Response) Resilient Tiles or Sheet Flooring	a Antonia (Mary Antonia Antonia
72. R 2 Yes 3 No	(No Response) Resilient Tiles or Sheet Flooring	e Politika (Mergy Statester Statester Statester
72. R 2 Yes 3 No	(No Response) Resilient Tiles or Sheet Flooring	a Antonia (Mary) Maria Mary Maria Mary
72. R ] Yes ] No	<ul> <li>(No Response)</li> <li>Resilient Tiles or Sheet Flooring</li> <li>s</li> <li>72a. Where located (check all that apply):</li> <li>☑ Instructional Space</li> </ul>	e Antonio Antonio Status Sera Status Sera S
72. R 2 Yes 3 No	<ul> <li>(No Response)</li> <li>Resilient Tiles or Sheet Flooring</li> <li>72a. Where located (check all that apply):</li> <li>Instructional Space</li> <li>Common Area</li> </ul>	
72. R ] Yes ] No	(No Response) Resilient Tiles or Sheet Flooring 72a. Where located (check all that apply): Instructional Space Common Area 72b. Overall condition of resilient tiles or sheet flooring: Excellent Satisfactory Unsatisfactory Unsatisfactory Non-Functioning	
72. R 2 Yes 3 No	(No Response)   Resilient Tiles or Sheet Flooring   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	
72. R	(No Response) Resilient Tiles or Sheet Flooring 72a. Where located (check all that apply): 72a. The second state of the second	
72. R	(No Response) Resilient Tiles or Sheet Flooring 72a. Where located (check all that apply): 72a. There located (check all that apply): 72b. Overall condition of resilient tiles or sheet flooring: 72b. Overall condition of resilient tiles or sheet flooring: 8 72b. Overall condition of resilient tiles or sheet flooring: 9 73 74b. Overall conditio	
72. R	(No Response) Resilient Tiles or Sheet Flooring 72a. Where located (check all that apply): 72a. Thistructional Space 72b. Overall condition of resilient tiles or sheet flooring: 72b. Overall condition of resilient tiles or sheet flooring: 72b. Overall condition of resilient tiles or sheet flooring: 72b. Overall condition of resilient tiles or sheet flooring: 72b. Overall condition of resilient tiles or sheet flooring: 72b. Overall condition of resilient tiles or sheet flooring: 72b. Overall condition of resilient tiles or sheet flooring: 72b. Overall condition of resilient tiles or sheet flooring: 72b. Overall condition of resilient tiles or sheet flooring: 72b. Overall condition of resilient tiles or sheet flooring: 72b. Overall condition of resilient tiles or sheet flooring: 72b. Overall condition of resilient tiles or sheet flooring: 72b. Overall condition of resilient tiles or sheet flooring: 72b. Overall condition of resilient tiles or sheet flooring: 72c. Year of Last Major Reconstruction/Replacement: 72c. Year of Last Major Reconstruction/Replacement: 72c. Expected Remaining Useful Life (Years):	

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Interior Spaces

72f. Comments:	an a
Replace selected flooring, resolve cracking.	ege in den im Steinnen die eise Stigt (n. 1990). Die steine stein Steinnen die eise Stigt (n. 1990).
<ul><li>73. Hard Flooring (concrete; ceramic tile; stone; etc)</li><li>☑ Yes</li></ul>	Manya katala ang sa
<ul><li>☑ Yes</li><li>□ No</li></ul>	
73a. Where located (check all that apply):	
<ul> <li>Instructional Space</li> <li>Common Area</li> </ul>	na antara ang ang ang ang ang ang ang ang ang an
73b. Overall condition of hard flooring:	
<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>	
73c. Year of Last Major Reconstruction/Replacement:	
2006	
73d. Expected Remaining Useful Life (Years):	
	an di kananan di kananan di kanan di ka
73e. Cost to Reconstruct/Replace \$:	
(No Response)	
73f. Comments:	
(No Response)	
74. Wood Flooring	
<ul> <li>✓ Yes</li> <li>□ No</li> </ul>	
74a. Where located (check all that apply):	
✓ Instructional Space	
☑ Common Area	
74b. Overall condition of wood flooring:	
<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>	
74c. Year of Last Major Reconstruction/Replacement:	
2006	
74d. Expected Remaining Useful Life (Years):	

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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)	en til fra finner fra sense fra fra sense	andalah kanalah seri saratah kara s	en e	- 1
	Yes No				
	75a. Overall condition of ceilings:	e antista di Angelandi e de seguera de se	waata waxaa Markaa ka ka ka ka ka	<sup>1</sup>	
	<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>				
	75b. Year of Last Major Reconstruction 2006	/Replacement:			
	75c. Expected Remaining Useful Life (\ 2	(ears):			
	75d. Cost to Reconstruct/Replace \$: 63,000.00				
	75e. Comments: Replace concealed spline ceilings.				
Lockers					
76. ☑ □	Lockers Yes No		ang sa ang sa	1999 - Santa Bartana ang Bartana ang Bartana	i) Nati
	76a. Overall condition of lockers:				
	<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>				
	76b. Year of Last Major Reconstruction	/Replacement:			
	2006				
	76c. Expected Remaining Useful Life ()	(ears):			
	15				
	76d. Cost to Reconstruct/Replace \$:				

(No Response)

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Interior Spaces

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76e. Comments: (No Response) Interior Doors 77. Interior Doors ☑ Yes D 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 П Critical Failure 78b. Year of Last Major Reconstruction/Replacement:

2006

## 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Interior Spaces

	78c. Expected Remaining Useful Life (Years):
	20
	78d. Cost to Reconstruct/Replace \$:
	(No Response)
	78e. Comments:
	(No Response)
Elevator	, Lifts and Escalators (H)
79 Ø	<ul> <li>Elevator, Lift, and Escalators (H)</li> <li>Yes</li> <li>No</li> </ul>
	79a. Overall condition of elevators, lifts, escalators:
	<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>
	79b. Year of Last Major Reconstruction/Replacement:
	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)
	80a. Interior electrical supply meets current needs:
	☑ Yes □ No
	80b. Condition of interior electrical distribution:
	<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Interior Spaces

	80c. Year of Last Major Reconstruction/Replacement:
	2009
	80d. Expected Remaining Useful Life (Years):
	80e. Cost to Reconstruct/Replace \$:
	80f. Comments:
	Replace remaining obsolete secondary panelboards and add additional convenience power.
Lighting	g Fixtures
8	1. Interior Lighting Fixtures
	81a. Condition of interior lighting fixtures:
	<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>
	81b. Year of Last Major Reconstruction/Replacement:
	2009 A Constant of the part of the state of
	81c. Expected Remaining Useful Life (Years):
	10
	81d. Cost to Reconstruct/Replace \$:
	200,000.00
	81e. Comments:
	Replace theatrical lighting.
Commu	unication Systems (H)
8	2. Communication Systems (H)
	82a. Communication systems are adequate:
	☑ Yes □ No

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

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):

```
A the second s
```

#### 82e. Cost to Replace/Reconstruct \$:

Statistical and Constitution and Constitution and Constitution and Constitution and Constitution and Constitution (Constitution)
 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

### 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Plumbing (Excluding HVAC Systems)

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### PLUMBING

#### 84. Water Distribution System (H)

🗹 Yes

D No

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

- 🗖 Iron
- Galvanized
- Copper
- Lead
- D PVC
- Other

#### 84b. Overall condition of water distribution system:

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

84c. Year of Last Major Reconstruction/Replacement:

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

### 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Plumbing (Excluding HVAC Systems)

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#### 85c. Year of Last Major Reconstruction/Replacement:

2006

**n** 

#### 85d. Expected Remaining Useful Life (Years):

#### 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 No

#### 86a. Type of fuel (check all that apply):

- D Oil
- Natural Gas
- Electricity
- D 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

## 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Plumbing (Excluding HVAC Systems)

87a. Overall condi	ition of plumbing fixtures (includi	ng toilets, urinals, lava	itories, etc):
<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>			
87b. Year of Last	Major Reconstruction/Replaceme	nt:	
2006			$\chi_{i} := (1 + 1)^{-1}$
87c. Expected Rei	maining Useful Life (Years):		
0		-	and the second
87d. Cost to Reco	nstruct/Replace \$:		
8,000.00			an a
87e. Comments:			
Replace sinks in gang to	pilets.		

## 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:

나는 아이는 것 같은 것은 것을 알려야 할 수 없을 것을 수 있다. 이가 가지로 동물을 들었다. 그는 것은 것을 수 있다. 가지가 것을 것을 못했는 것은 것

(No Response)

89. Heat Generating Systems (H)

```
☑ Yes□ No
```

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

- □ Boiler / Hot Water
- D 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)

## 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

HVAC Systems

90	). Heating Fuel / Energy Systems (H)	
Z	방법, 그는 아님은 것 같은 것 같은 것은 것은 것을 알았는 것 같은 것 같은 것 같은 것은 것을 가지 않는 것을 하는 것 같다.	
	<ul> <li>90a. Overall condition of heating fuel / energy systems:</li> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>	
	90b. Year of Last Major Reconstruction/Replacement:	
	1988	ta sa
	90c. Expected Remaining Useful Life (Years):	
	10	
	90d. Cost to Reconstruct/Replace \$:	
	(No Response)	
	90e. Comments:	
	(No Response)	
Cooling	Air Conditioning Generating Systems	
91	5 5 5 7	
	Yes No	
	91a. Overall condition of cooling/air-conditioning generating sy	vstems:
	<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>	
	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 clostes.	
AIR HAN	NDLING AND VENTILATION EQUIPMENT	

## 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

HVAC Systems

No	. Vita un fra métriculation et la constant de la co
	92a. Overall condition of air handling and ventilation systems:
	Bxcellent     Satisfactory
	□ Unsatisfactory
	<ul> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>
	92b. Year of Last Major Reconstruction/Replacement:
	2006
	92c. Expected Remaining Useful Life (Years):
	92d. Cost to Reconstruct/Replace \$:
	92e. Comments:
	Clean original air handling systems, add ventilation and A/C to district office, add ventilation.
l Hoati	
	ng and Cooling Distribution Systems Piped Heating and Cooling Distribution Systems: Piping, Pumps, Radiators, Convectorss, Traps, Insulation, I)
93. F	Piped Heating and Cooling Distribution Systems: Piping, Pumps, Radiators, Convectorss, Traps, Insulation, I) s
93. F etc. (⊦ ☑ Ye	Piped Heating and Cooling Distribution Systems: Piping, Pumps, Radiators, Convectorss, Traps, Insulation, I) s
93. F etc. (⊦ ☑ Ye	Piped Heating and Cooling Distribution Systems: Piping, Pumps, Radiators, Convectorss, Traps, Insulation, 1) 8
93. F etc. (⊦ ☑ Ye	Piped Heating and Cooling Distribution Systems: Piping, Pumps, Radiators, Convectorss, Traps, Insulation, 93a. Overall condition of piped heating and cooling distribution systems: Excellent Satisfactory Unsatisfactory Non-Functioning
93. F etc. (⊦ ☑ Ye	Piped Heating and Cooling Distribution Systems: Piping, Pumps, Radiators, Convectorss, Traps, Insulation, 93a. Overall condition of piped heating and cooling distribution systems: Excellent Satisfactory Unsatisfactory Non-Functioning Critical Failure
93. F etc. (⊦ ☑ Ye	Piped Heating and Cooling Distribution Systems: Piping, Pumps, Radiators, Convectorss, Traps, Insulation,   93a. Overall condition of piped heating and cooling distribution systems:   Excellent   Satisfactory   Unsatisfactory   Non-Functioning   Critical Failure   93b. Year of Last Major Reconstruction/Replacement:
93. F etc. (⊦ ☑ Ye	Piped Heating and Cooling Distribution Systems: Piping, Pumps, Radiators, Convectorss, Traps, Insulation, 93a. Overall condition of piped heating and cooling distribution systems:
93. F etc. (⊦ ☑ Ye	Piped Heating and Cooling Distribution Systems: Piping, Pumps, Radiators, Convectorss, Traps, Insulation,  93a. Overall condition of piped heating and cooling distribution systems:  Excellent  Satisfactory Unsutisfactory  Non-Functioning  Critical Failure  93b. Year of Last Major Reconstruction/Replacement: 2009  93c. Expected Remaining Useful Life (Years): 20
93. F etc. (⊦ ☑ Ye	Piped Heating and Cooling Distribution Systems: Piping, Pumps, Radiators, Convectorss, Traps, Insulation, 93a. Overall condition of piped heating and cooling distribution systems: Excellent Satisfactory Unsatisfactory Unsatisfactory Critical Failure 93b. Year of Last Major Reconstruction/Replacement: 2009 93c. Expected Remaining Useful Life (Years):
93. F etc. (⊦ ☑ Ye	Piped Heating and Cooling Distribution Systems: Piping, Pumps, Radiators, Convectorss, Traps, Insulation, 93a. Overall condition of piped heating and cooling distribution systems: Excellent Satisfactory Unsatisfactory Unsatisfactory Solution Systems: Unsatisfactory Solution Systems: Satisfactory Solution Systems: Solution S
93. F etc. (⊦ ☑ Ye	Piped Heating and Cooling Distribution Systems: Piping, Pumps, Radiators, Convectorss, Traps, Insulation, 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

## 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

HVAC Systems

	94. Ducted Hea Insulation, etc. (I		oution Systems: Ductwork, Cor	ntrol Dampers, Fire/Smoke Dampers	, VAVs,
	<ul><li>☑ Yes</li><li>□ No</li></ul>				
	94a. Over	rall condition of ducted l	heating and cooling distribution	n systems:	
	<ul> <li>Exceller</li> <li>Satisfac</li> <li>Unsatist</li> <li>Non-Fu</li> <li>Critical</li> </ul>	tory factory nctioning			
	94b. Year	r of Last Major Reconstr	uction/Replacement:		
	1990			a *	
	94c. Expe	ected Remaining Useful	Life (Years):		
		t to Reconstruct/Replace		, NAL A	
	25,000.00				
	94e. Com	iments:		,	
	Clean origin	al ductwork systems.		n an an an Arland Araba an Araba. An t-an an t-an an Araba an Araba	. · · · ·
HVAC	Control Syste	ms			
	95. HVAC Cont				
	Yes No				ч.
	95a. Over	rall condition of control	systems:		
	<ul><li>Satisfac</li><li>Unsatisf</li></ul>	•			
		nctioning		· · ·	
	Critical				
	95b. Year	r of Last Major Reconstr	uction/Replacement:		
	2009				
	95c. Expe	ected Remaining Useful	Life (Years):		
	15				
	95d. Cost	t to Reconstruct/Replace	e \$:		
	300,000.00				
	95e. Com	iments:			
	Replace one	umatic DDC controls with elect	tronic DDC controls.		
		· · · · · · · · · · · · · · · · · · ·	·		

## 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:

```
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

## 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Fire Safety Systems

98. F	Fire Suppression Systems: Sp	rinklers, Standpipes,	Kitchen Hoods,	etc. (H)		
☑ Ye □ No						
	98a. Overall condition of fire	suppression system	s:			
	<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>					
	98b. Year of Last Major Reco	nstruction/Replacem	ent:			
	2007					
	98c. Expected Remaining Us	eful Life (Years):				
	25					
	98d. Cost to Reconstruct/Rep	place \$:				
	25,000.00	1. A.		a na seconda de tendera de tendera de la seconda de la Referencia de la seconda de	1. 1. N.	
	98e. Comments:					
	Fire suppression missing at kitchen.				1.55	
	Exit Lighting Systems					
	Emergency / Exit Lighting Syst	ems (H)				
☑ Ye □ No					. 1º	
	99a. Overall condition of eme	ergency / exit lighting	systems:			
	<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>					
	99b. Year of Last Major Reco	nstruction/Replacem	ient:			
	2007					
	99c. Expected Remaining Us	eful Life (Years):				
	5					
	99d. Cost to Reconstruct/Rep	place \$:				
	60,000.00					
	99e. Comments;					
	Revise various corridor fixtures to be	on EM. Add emergency lig	ghting at exit discharg	ge in original building.		
Emergency,	Standby Power Systems					

## **MARCELLUS CSD** 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Fire Safety Systems

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### 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
 State State State

 □
 No
 An of the state State

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
- D Poor

#### 105b. Comments:

na se l'imposibilitation appresentation de consequencies de santa con la <u>Avela</u>ndora pluée process<u>e avela</u> (No Response)

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

✓ Yes

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?

- Z Yes
- 🗆 No

#### 108c. Overall Rating:

- □ Good
- 🖸 Fair
- D Poor

### 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

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

- U 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

D Poor

2

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
- Ø 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

D No

112c. Are fresh air intakes free of blockage?

- Yes
- D No

## 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Indoor Air Quality

112d. Is accumulated dirt, dust or debris in ductwork?	
<ul> <li>✓ Yes</li> <li>Ď No</li> </ul>	
112e. Are dampers functioning as designed?	
☐ Yes Ø No	
112f. Condition of air filters:	
<ul> <li>□ Good</li> <li>☑ Fair</li> <li>□ Poor</li> </ul>	
112g. Outside air is adequate for occupant load:	
□ Yes the second secon	and a second
112h. Rating of ventilation/indoor air quality:	
□     Good     State in the second state is a second state in the second state in the second state in the second state in the second state is a second state in the second state is a second state in the second sta	
112i. Comments:	
(No Response)	
113. Indoor Air Quality (IAQ) Plan	
113a. Does the school district use EPA's Tools for Schools progra	am?
□ Yes       Yes <t< th=""><th></th></t<>	
113b. If No, is some other IAQ management plan used?	
☑ Yes □ No	
113c. Has the District assigned IAQ responsibilities to a det	signated individual?
<ul><li>Yes</li><li>No</li></ul>	
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?	

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Indoor Air Quality

	Yes			
	No			
11	4c. Is there a certified pe	esticide applicator on staff?		
0	Yes No			
11	4d. Are pesticides used	in the building?		
	Yes			
114	4d.1 If Yes, how are they	typically applied?		
	Spot treatment Area wide treatments			
114	4e. Are pesticides used	on the grounds?		
	Yes No			
114	te.1 If Yes, was an emer	gency exemption granted by	v the Board of Education?	
111	Yes			
- 42.5.3	No		n in fan de staar de skriet skriet de staar	
		sive radon mitigation syste	minstalled (was built with radon re	sictant foaturos)?
Do s		sive radon mitigation syste	m installed (was built with radon re	sistant features)?
Do s	es the school have a pas		n de la construir de la constru La construir de la construir de	sistant features)?
Do s	es the school have a pas 5a. Has the facility been	ssive radon mitigation syste tested for the presence of r	n de la construir de la constru La construir de la construir de	sistant features)?
□ Do 11:	es the school have a pas 5a. Has the facility been Ycs		n de la construir de la constru La construir de la construir de	
Do 5	es the school have a pas 5a. Has the facility been Yes No	tested for the presence of r	adon?	
Do s 11:	es the school have a pas 5a. Has the facility been Yes No	tested for the presence of r	n de la construir de la constru La construir de la construir de	
□ Do 11: □ 11: □ 11: □	es the school have a pas 5a. Has the facility been Yes No 5b. Were any of the resu Yes	tested for the presence of r	adon?	
□ Do 11: □ 11: □ 11: □	es the school have a pas 5a. Has the facility been Yes No 5b. Were any of the resu Yes No	tested for the presence of r	adon? or equal to 4 picocuries per liter (pCl	
□ Do 11: □ 11: □ 11: □ □	es the school have a pas 5a. Has the facility been Yes No 5b. Were any of the resu Yes No	tested for the presence of r Its of the test greater than o I take steps to mitigate the e	adon? or equal to 4 picocuries per liter (pCl	
Do 11: 11: 11: 11: 11: 11: 11: 11	es the school have a pas 5a. Has the facility been Yes No 5b. Were any of the resu Yes No 5c. If Yes, did the schoo Yes, active mitigation system i Yes, passive mitigation system	tested for the presence of r lts of the test greater than o l take steps to mitigate the e nstalled made active	adon? or equal to 4 picocuries per liter (pCl	
	es the school have a pas 5a. Has the facility been Yes No 5b. Were any of the resu Yes No 5c. If Yes, did the schoo Yes, active mitigation system i Yes, passive mitigation system Yes, ventilation controls (HVA	tested for the presence of r lts of the test greater than o l take steps to mitigate the e nstalled made active	adon? or equal to 4 picocuries per liter (pCl	
	es the school have a pas 5a. Has the facility been Yes No 5b. Were any of the resu Yes No 5c. If Yes, did the schoo Yes, active mitigation system i Yes, passive mitigation system Yes, ventilation controls (HVA Yes, other (describe)	tested for the presence of r lts of the test greater than o l take steps to mitigate the e nstalled made active	adon? or equal to 4 picocuries per liter (pCl	
□ Do 11: □ 11: □ 11: □ 11: □ 11: □	es the school have a pas 5a. Has the facility been Yes No 5b. Were any of the resu Yes No 5c. If Yes, did the schoo Yes, active mitigation system i Yes, passive mitigation system Yes, ventilation controls (HVA	tested for the presence of r lts of the test greater than o l take steps to mitigate the e nstalled made active	adon? or equal to 4 picocuries per liter (pCl	

# 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

### **SENIOR HIGH SCHOOL**

R

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. <u>Mechanical/Plumbing System Items:</u>

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

### 5. <u>Electrical/Technology System Items:</u>

- 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



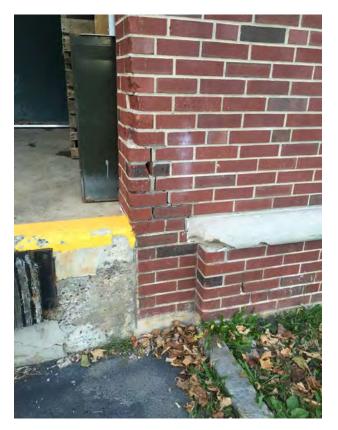
SHS – Replace older exterior doors







SHS – Masonry restoration



SHS – Masonry Restoration





SHS – Masonry restoration



SHS – Masonry restoration







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#### **Building Condition Survey Supplemental Information**

Marcellus CSD - High School Project: SEI Design Group Architect: 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: Budget Line Item Number: \$50,000 (44)

Item Description:

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

Photograph Number: З 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)



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

Item Description:

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

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

Item Description:

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

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

6

Item Description:

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

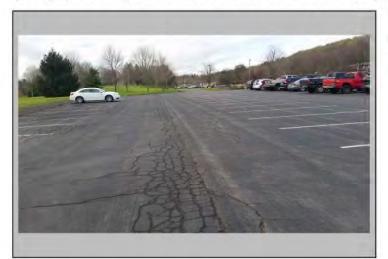


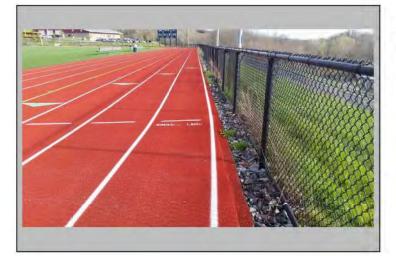
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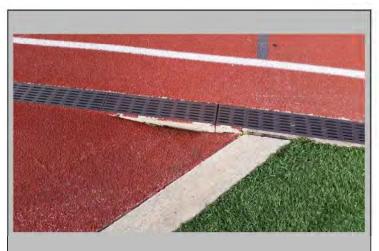
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Photograph Number: 7 Budget Line Item Number: \$400,000 (53)

Item Description:

Replace student parking lot pavement

Photograph Number: 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)



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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



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

14

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



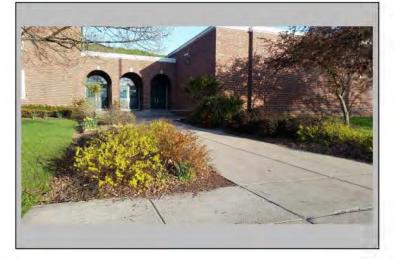
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Photograph Number: 16 Budget Line Item Number: \$75,000 (56)

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)



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#### **Building Condition Survey Supplemental Information**

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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

)		
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



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#### **Building Condition Survey Supplemental Information**

Marcellus CSD - High School Project: SEI Design Group Architect: 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: Budget Line Item Number: \$25,000 ?

24

Item Description:

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



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#### **Building Condition Survey Supplemental Information**

Marcellus CSD - High School Project: SEI Design Group Architect: 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: Budget Line Item Number: \$150,000 (42)

27

Item Description:

Drainage improvements on west end of building at hillside



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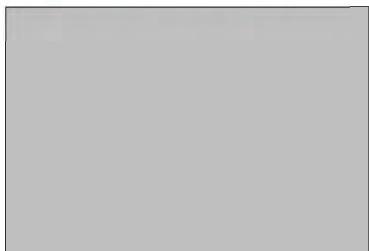
#### **Building Condition Survey Supplemental Information**

Marcellus CSD - High School Project: SEI Design Group Architect: 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: 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: Budget Line Item Number: \$75,000 (37)

30

Item Description:

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



(P) 315.476.1022 (F) 315.479.7573 landscape www.appelosborne.com architecture

#### **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:	31	
Budget Line	e Item Number:	\$85,000 (38)	
l e			

Item Description:

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

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

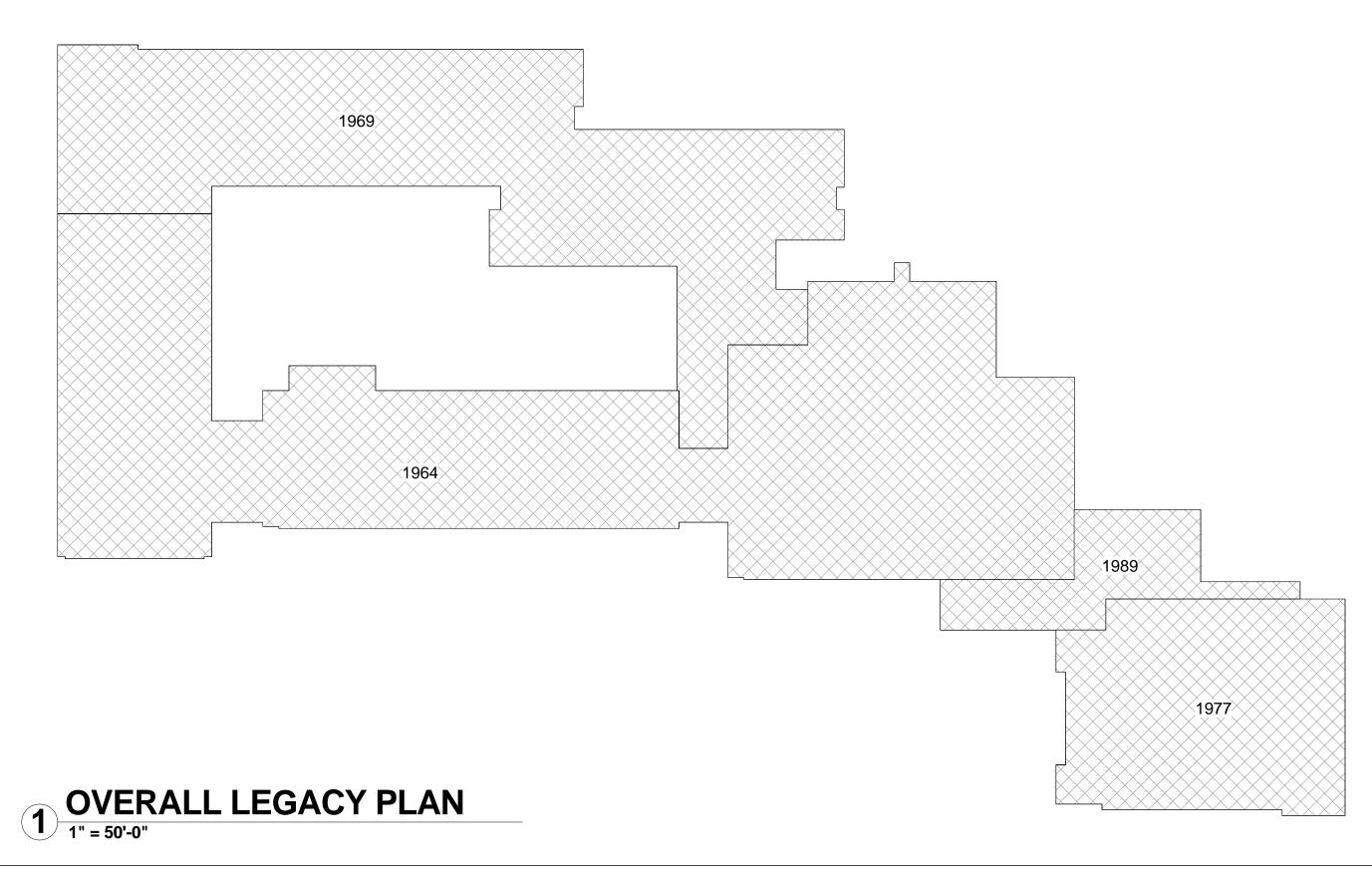
Item Description:

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)



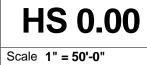


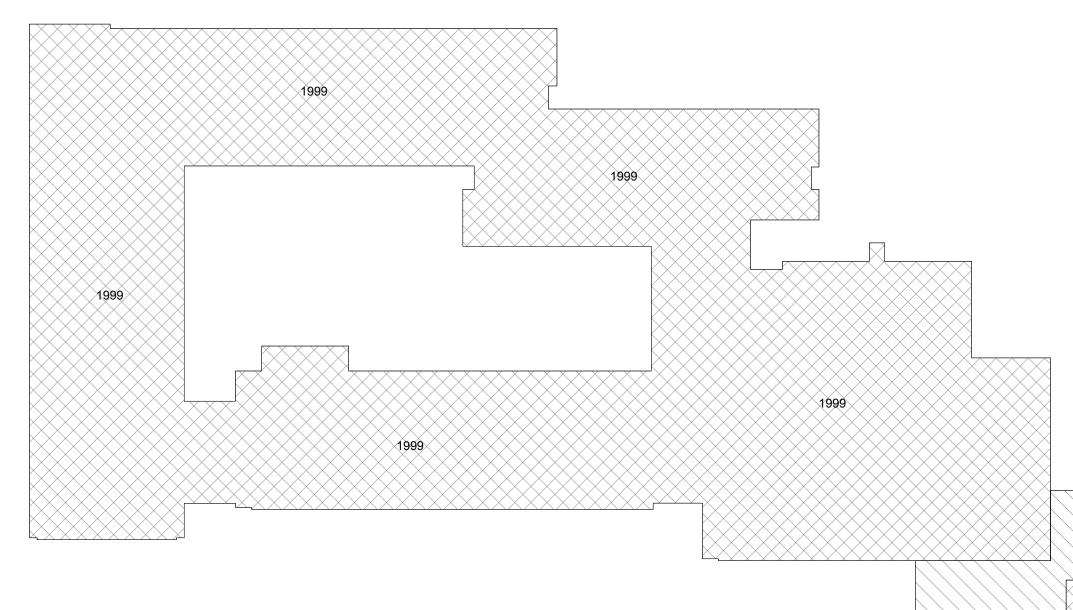
MARCELLUS CENTRAL SCHOOL DISTRICT

MARCELLUS SENIOR HIGH SCHOOL

### **EXISTING LEGACY PLAN**





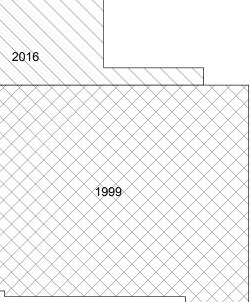


# 1 OVERALL ROOF LEGACY PLAN

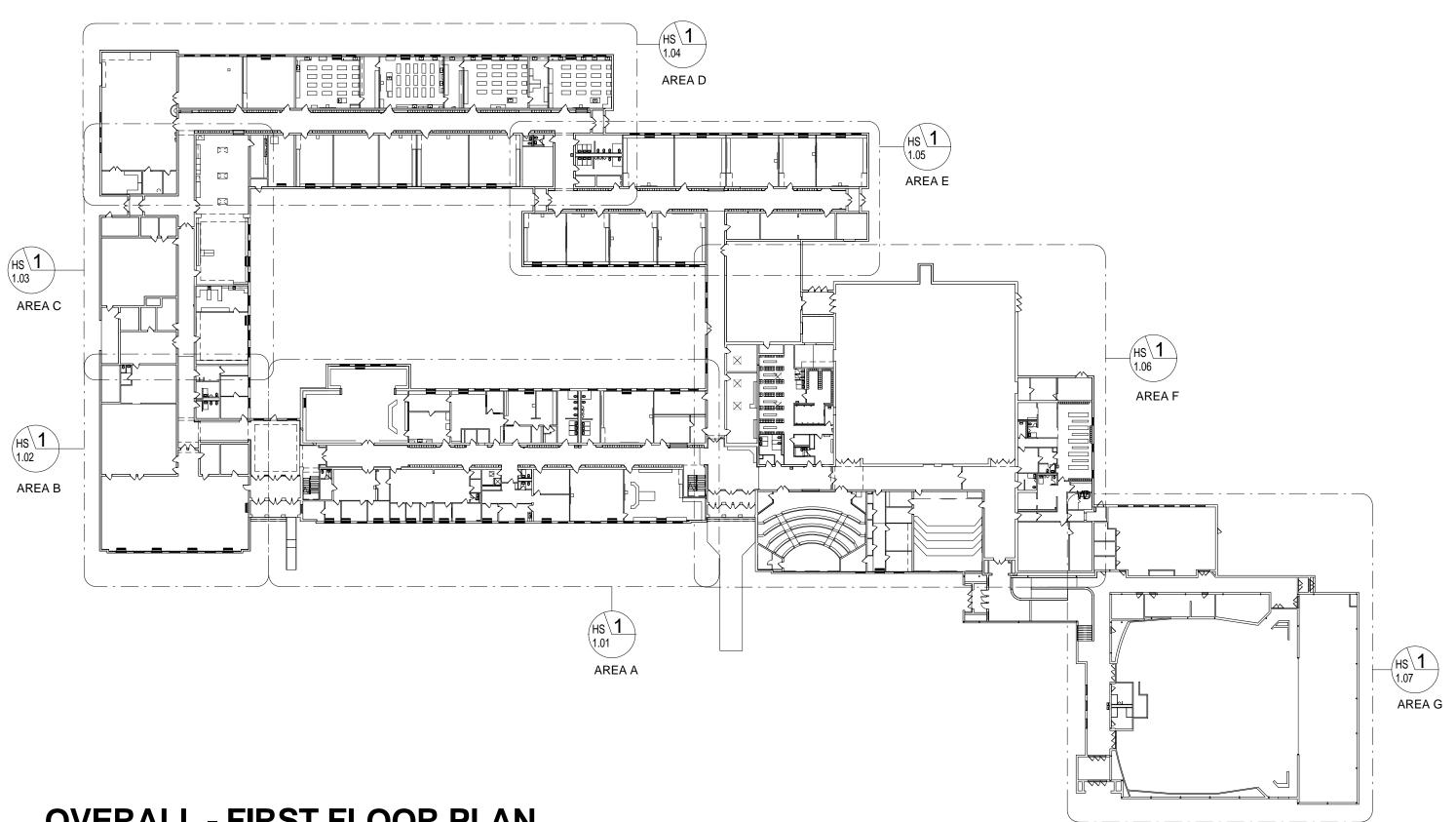


MARCELLUS CENTRAL SCHOOL DISTRICT

**ROOF LEGACY PLAN** 







#### **OVERALL - FIRST FLOOR PLAN** 1

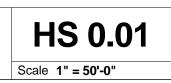
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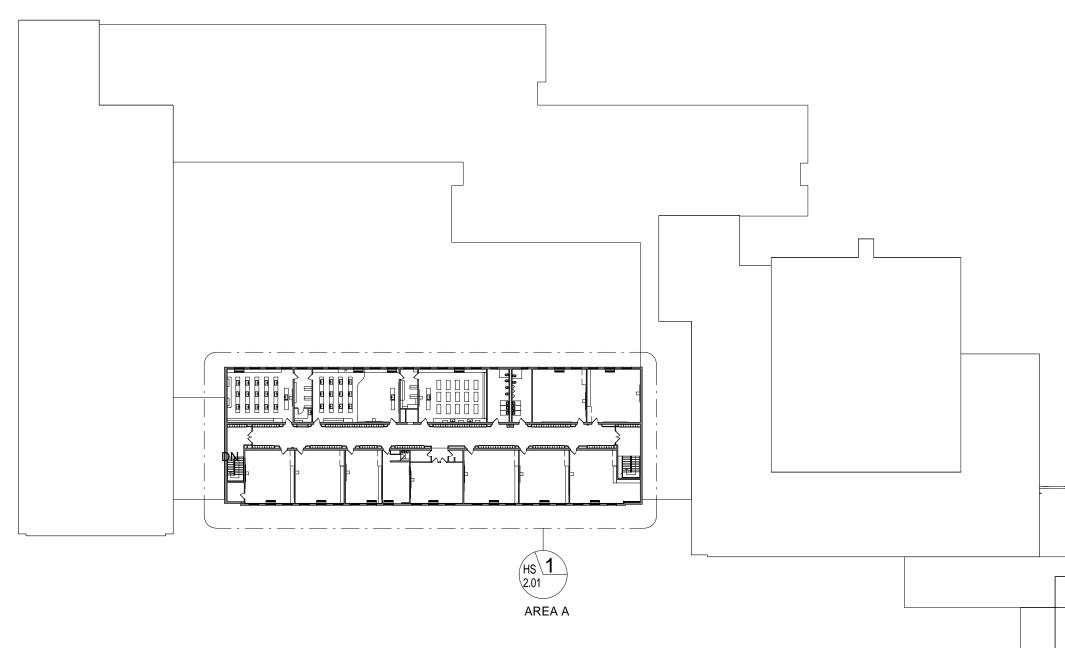


MARCELLUS CENTRAL SCHOOL DISTRICT

MARCELLUS SENIOR HIGH SCHOOL

**EXISTING FIRST FLOOR PLAN** 





## **OVERALL - SECOND FLOOR PLAN**

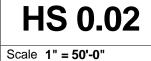
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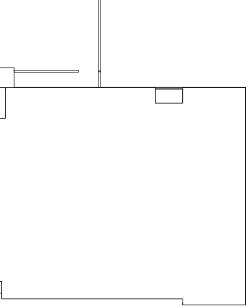
SEI design group

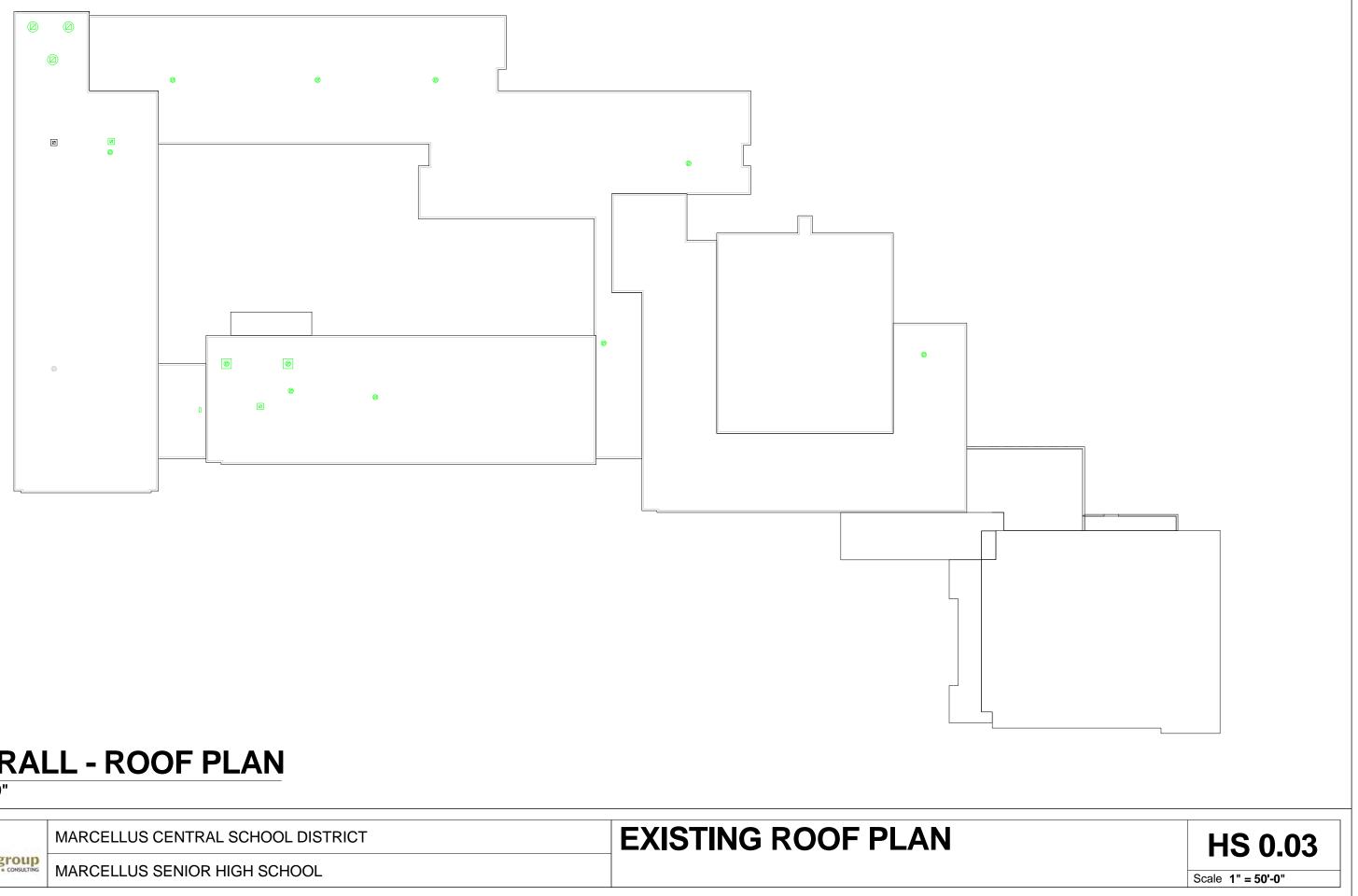
MARCELLUS CENTRAL SCHOOL DISTRICT

MARCELLUS SENIOR HIGH SCHOOL

## **EXISTING SECOND FLOOR PLAN**



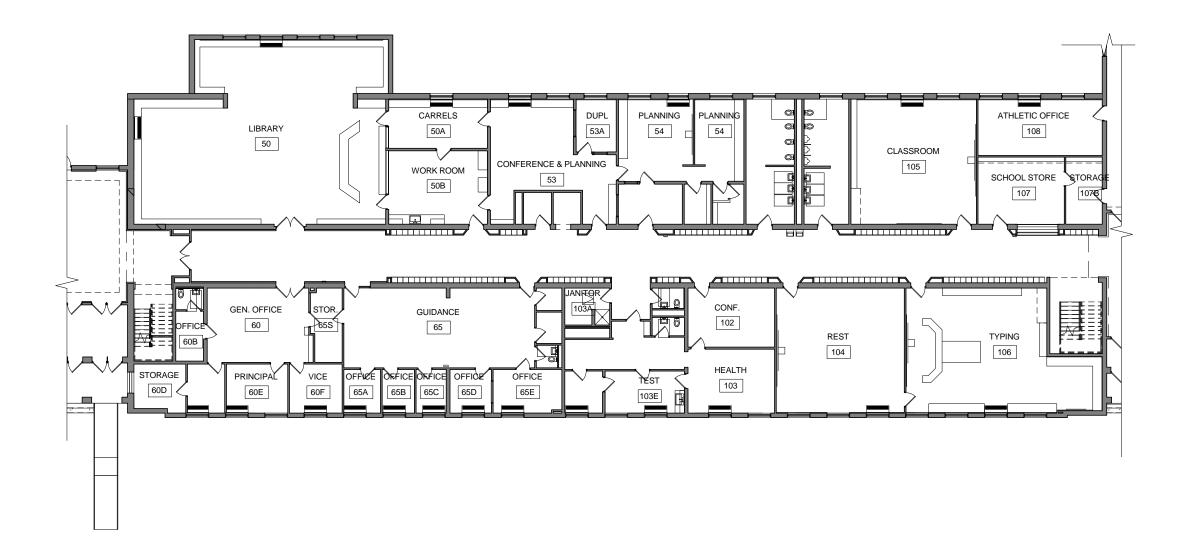




#### **OVERALL - ROOF PLAN** $(\mathbf{1})$

1" = 50'-0"



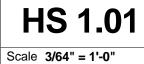


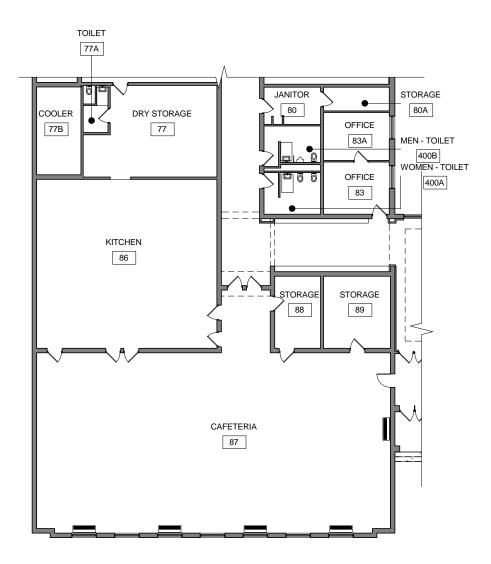


3/64" = 1'-0"

MARCELLUS CENTRAL SCHOOL DISTRICT

SEI design group MARCELLUS SENIOR HIGH SCHOOL **FIRST FLOOR - AREA A** 





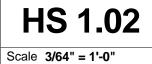


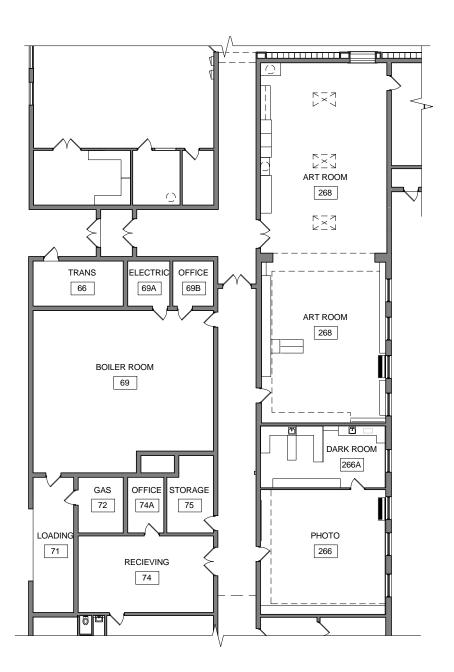
SEI design group

MARCELLUS CENTRAL SCHOOL DISTRICT

MARCELLUS SENIOR HIGH SCHOOL

**FIRST FLOOR - AREA B** 





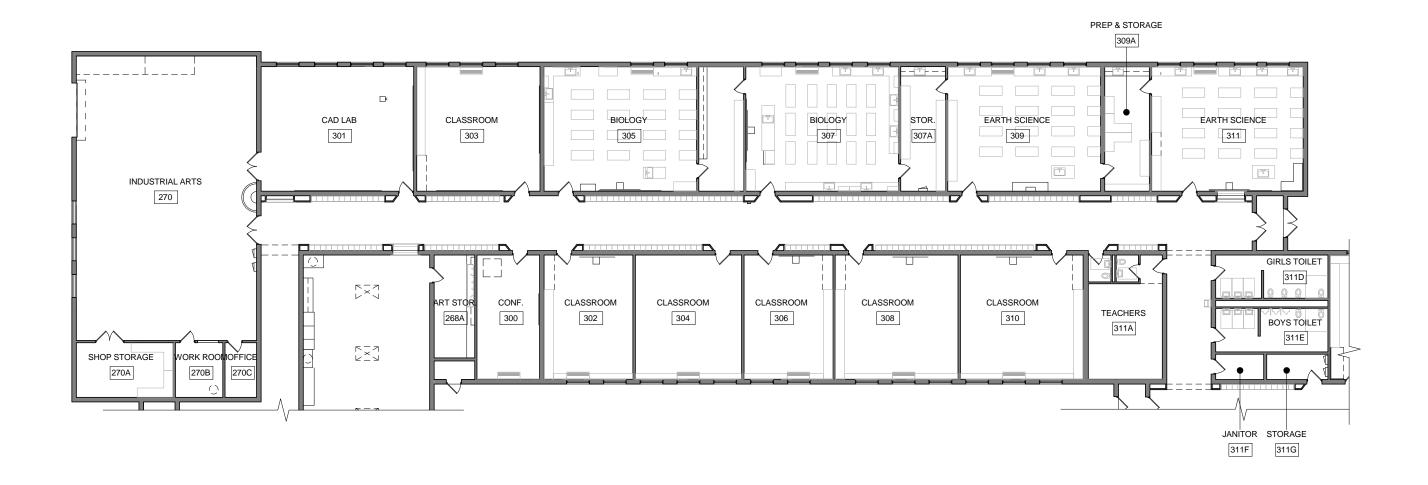




SEI design group MARCELLUS SENIOR HIGH SCHOOL **FIRST FLOOR - AREA C** 



Scale 3/64" = 1'-0"



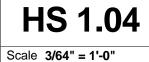


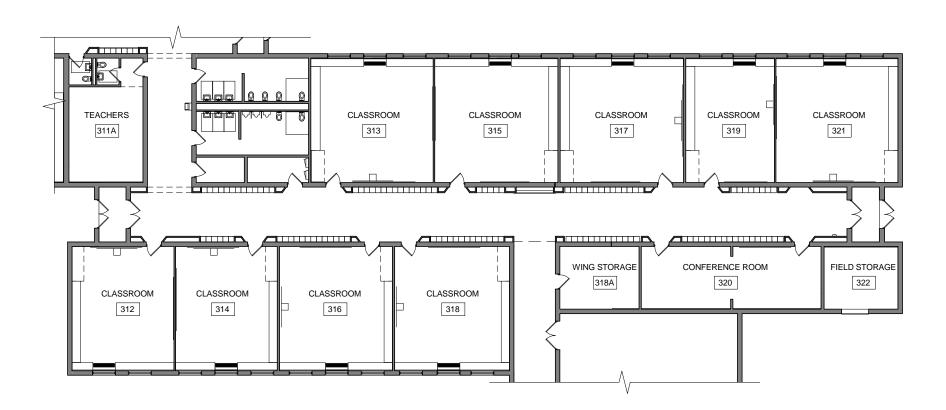
SEI design group

MARCELLUS CENTRAL SCHOOL DISTRICT

MARCELLUS SENIOR HIGH SCHOOL

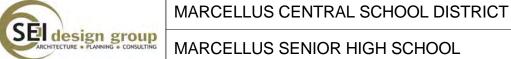
**FIRST FLOOR - AREA D** 





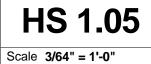


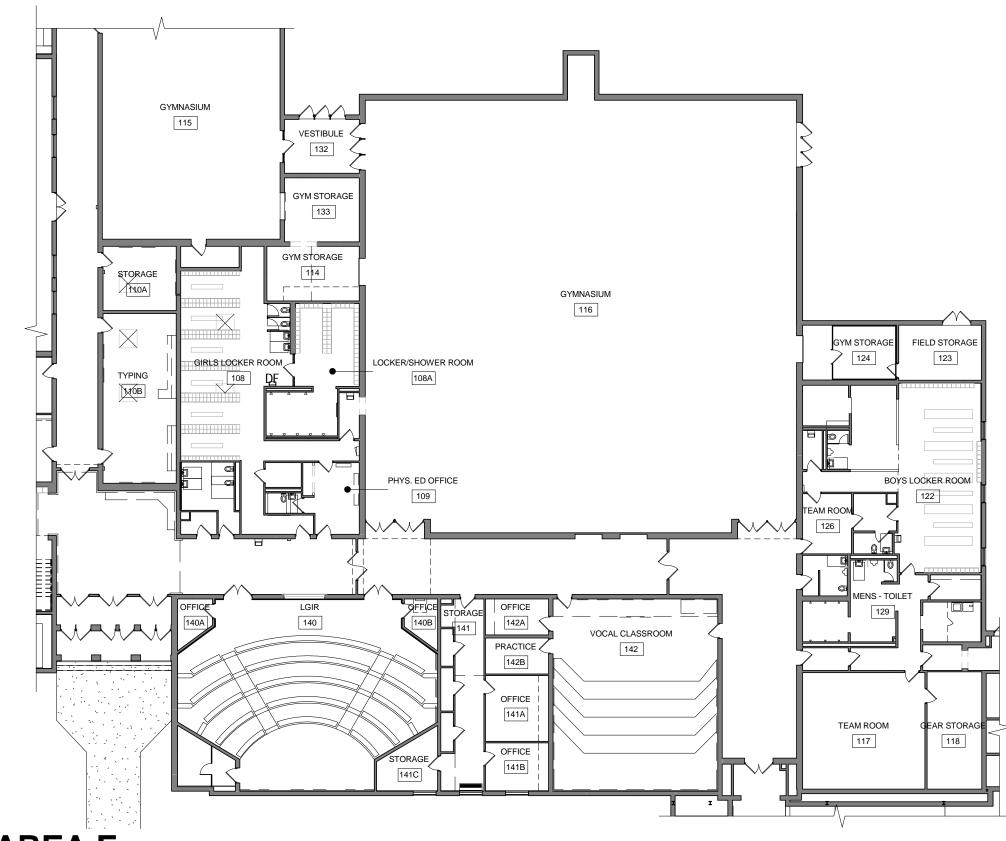
3/64" = 1'-0"



MARCELLUS SENIOR HIGH SCHOOL

**FIRST FLOOR - AREA E** 





### **FIRST FLOOR - AREA F** 1

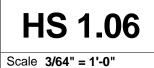
3/64" = 1'-0"

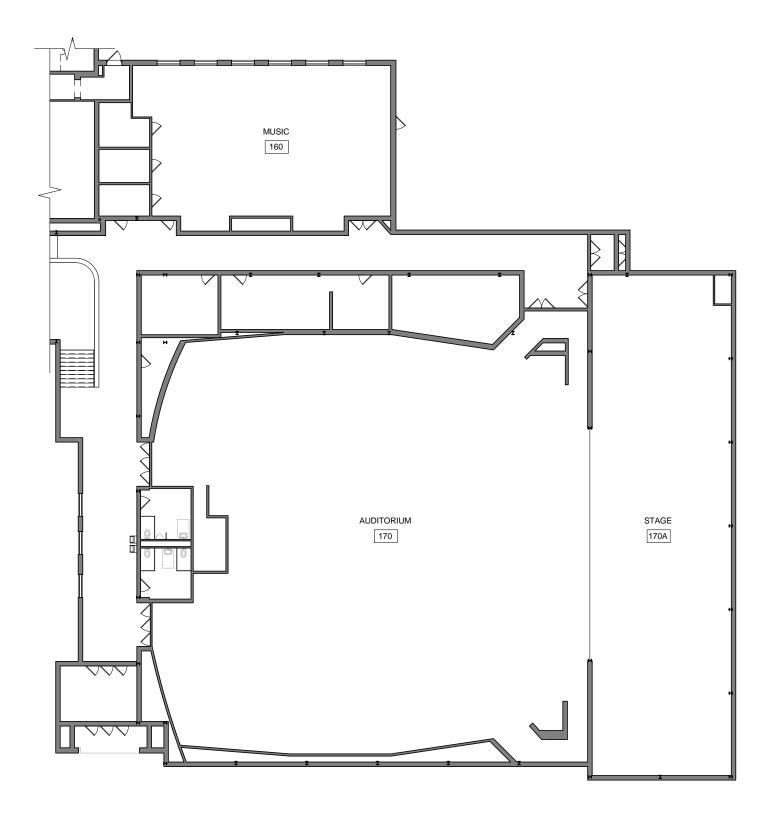


MARCELLUS CENTRAL SCHOOL DISTRICT

**FIRST FLOOR - AREA F** 

MARCELLUS SENIOR HIGH SCHOOL







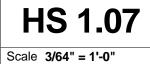
3/64" = 1'-0"

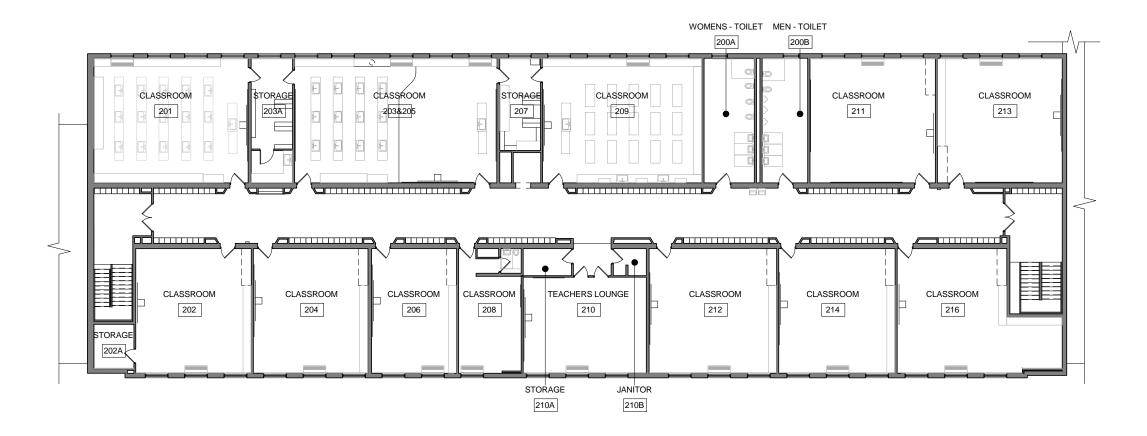


MARCELLUS CENTRAL SCHOOL DISTRICT

MARCELLUS SENIOR HIGH SCHOOL

**FIRST FLOOR - AREA G** 









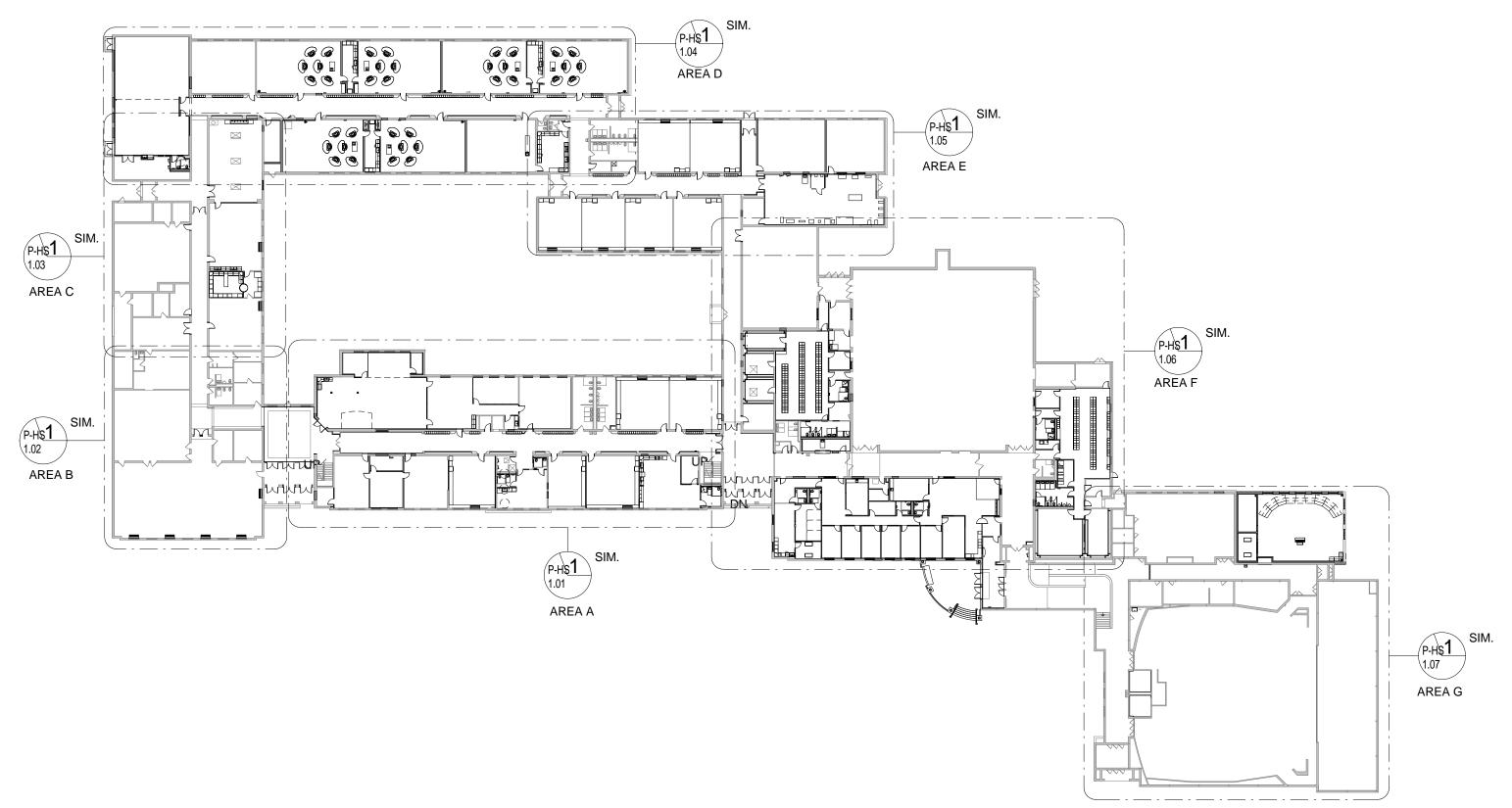
MARCELLUS CENTRAL SCHOOL DISTRICT

MARCELLUS SENIOR HIGH SCHOOL

**SECOND FLOOR - AREA A** 



Scale 3/64" = 1'-0"



#### **NEW - FIRST FLOOR PLAN** 1

1" = 50'-0"

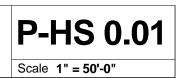


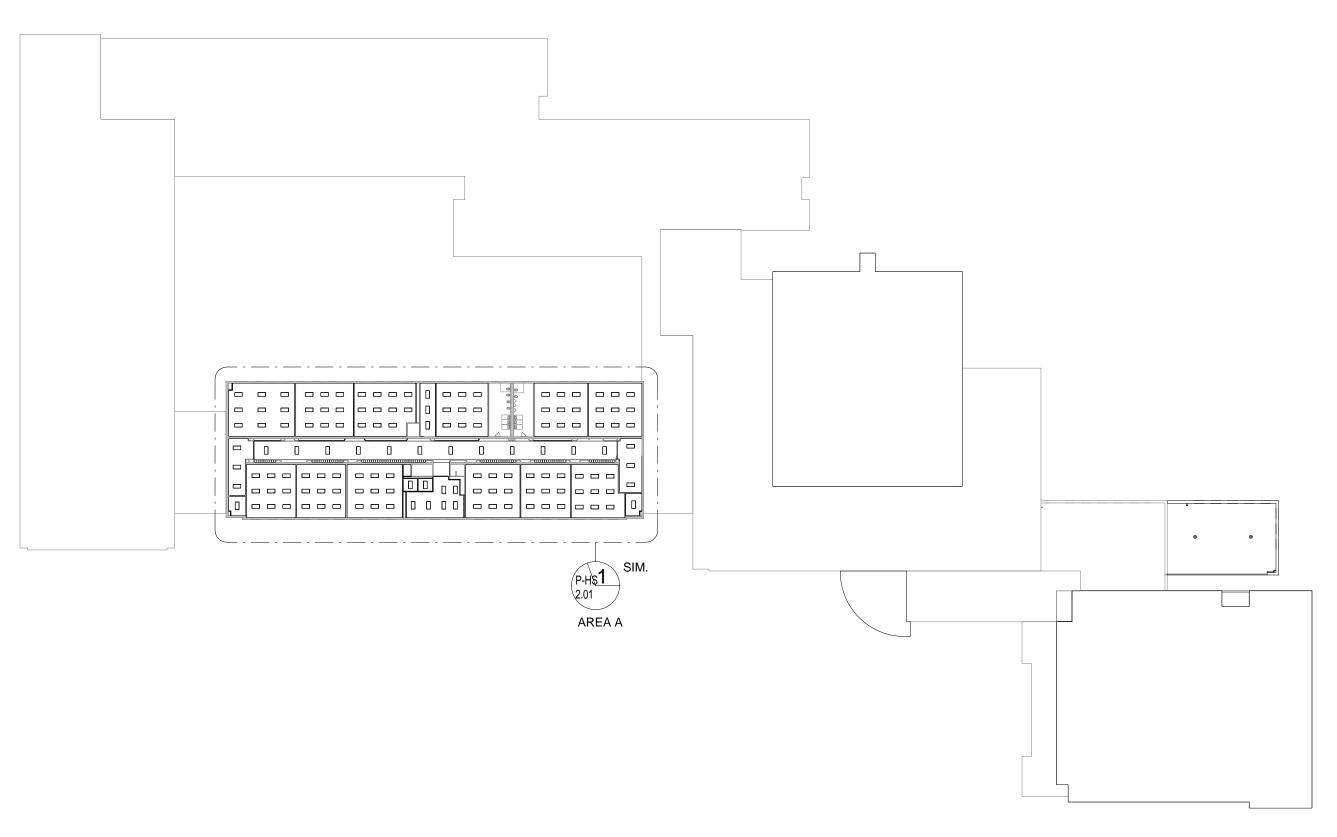
MARCELLUS CENTRAL SCHOOL DISTRICT

MARCELLUS SENIOR HIGH SCHOOL

**PROPOSED FIRST FLOOR PLAN** 

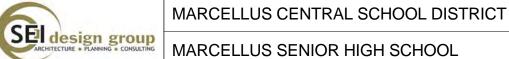






### **NEW - SECOND FLOOR PLAN** 1

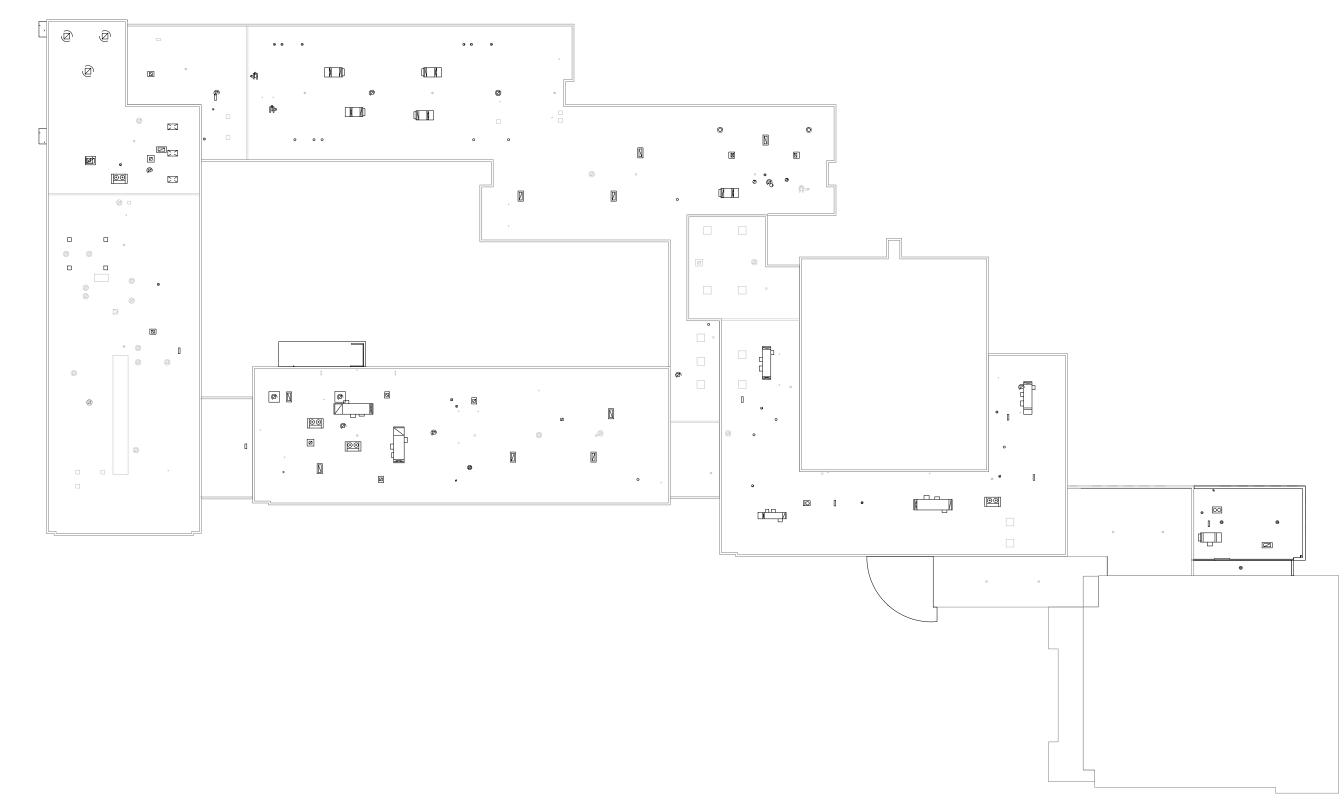
1" = 50'-0"



MARCELLUS SENIOR HIGH SCHOOL

**PROPOSED SECOND FLOOR PLAN** 



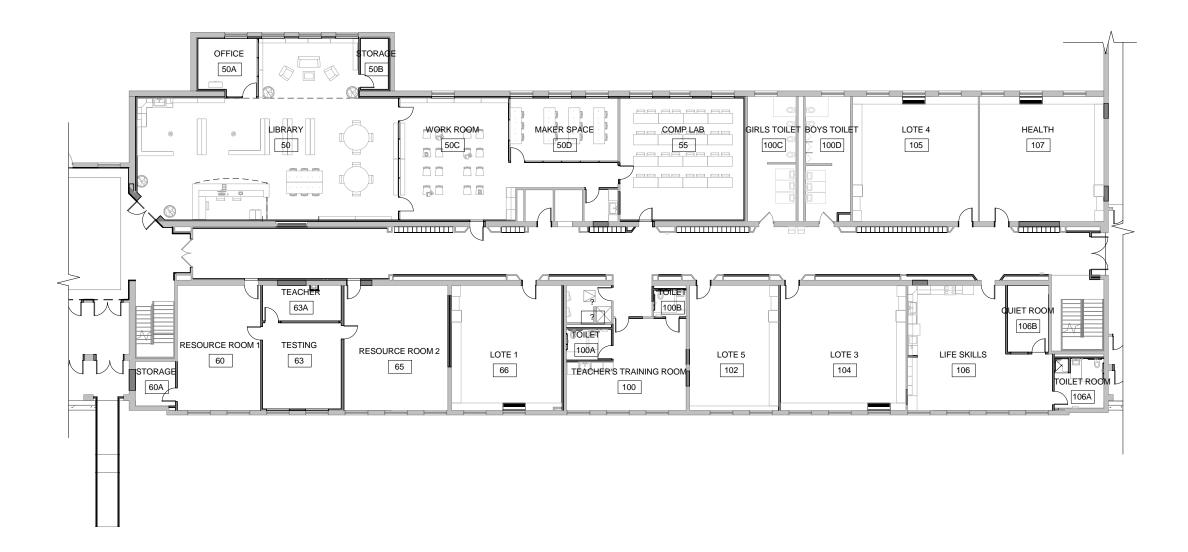




MARCELLUS CENTRAL SCHOOL DISTRICT

SEI design group MARCELLUS SENIOR HIGH SCHOOL **PROPOSED ROOF PLAN** 





#### **PROPOSED FIRST FLOOR - AREA A** $(\mathbf{1})$

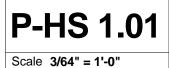
3/64" = 1'-0"

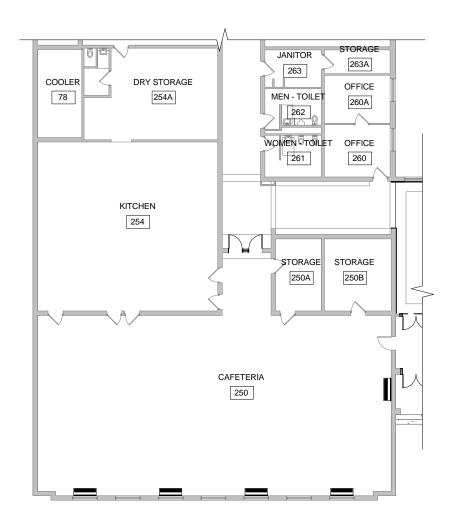


MARCELLUS CENTRAL SCHOOL DISTRICT

**FIRST FLOOR - AREA A** 

MARCELLUS SENIOR HIGH SCHOOL





#### **PROPOSED FIRST FLOOR - AREA B** 1

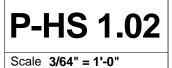
3/64" = 1'-0"

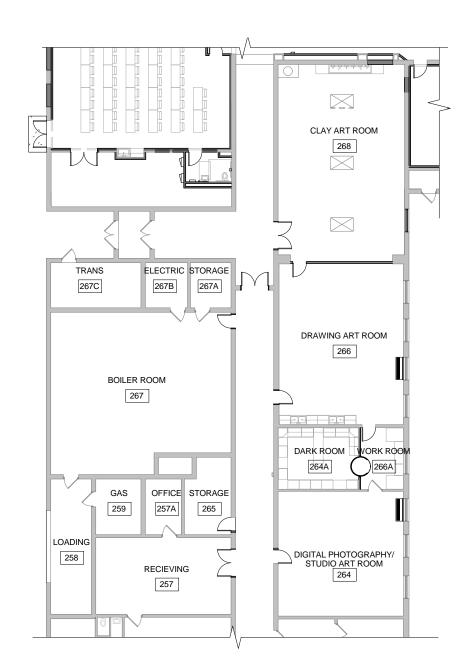


MARCELLUS CENTRAL SCHOOL DISTRICT

MARCELLUS SENIOR HIGH SCHOOL

**FIRST FLOOR - AREA B** 





### **PROPOSED FIRST FLOOR - AREA C** $\mathbf{1}$

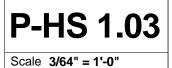
3/64" = 1'-0"

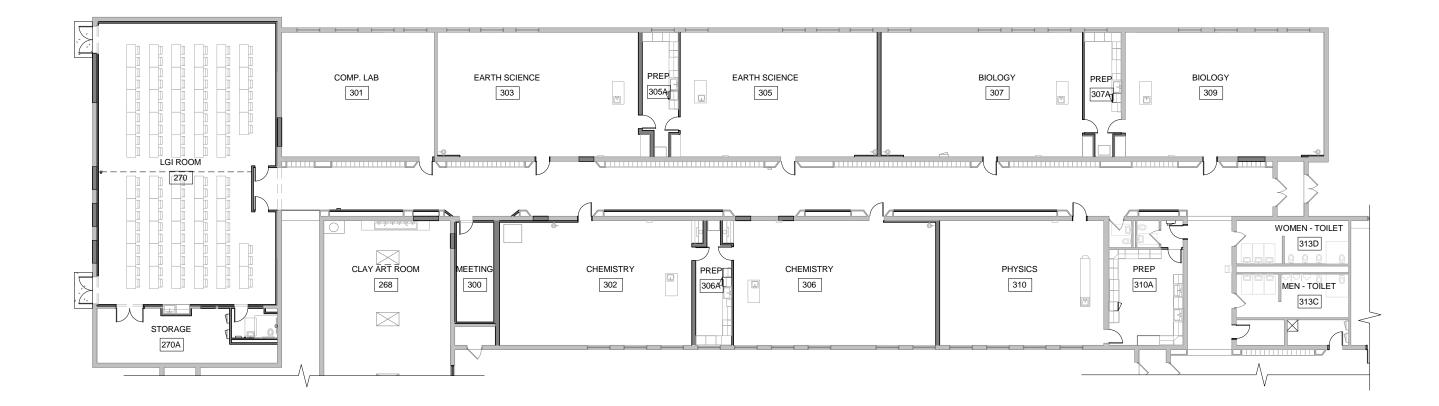


MARCELLUS CENTRAL SCHOOL DISTRICT

MARCELLUS SENIOR HIGH SCHOOL

**FIRST FLOOR - AREA C** 





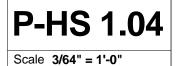
#### **PROPOSED FIRST FLOOR - AREA D** 1

3/64" = 1'-0"

MARCELLUS CENTRAL SCHOOL DISTRICT

**FIRST FLOOR - AREA D** 

SEI design group MARCELLUS SENIOR HIGH SCHOOL





#### **PROPOSED FIRST FLOOR - AREA E** 1

3/64" = 1'-0"

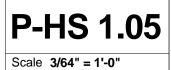


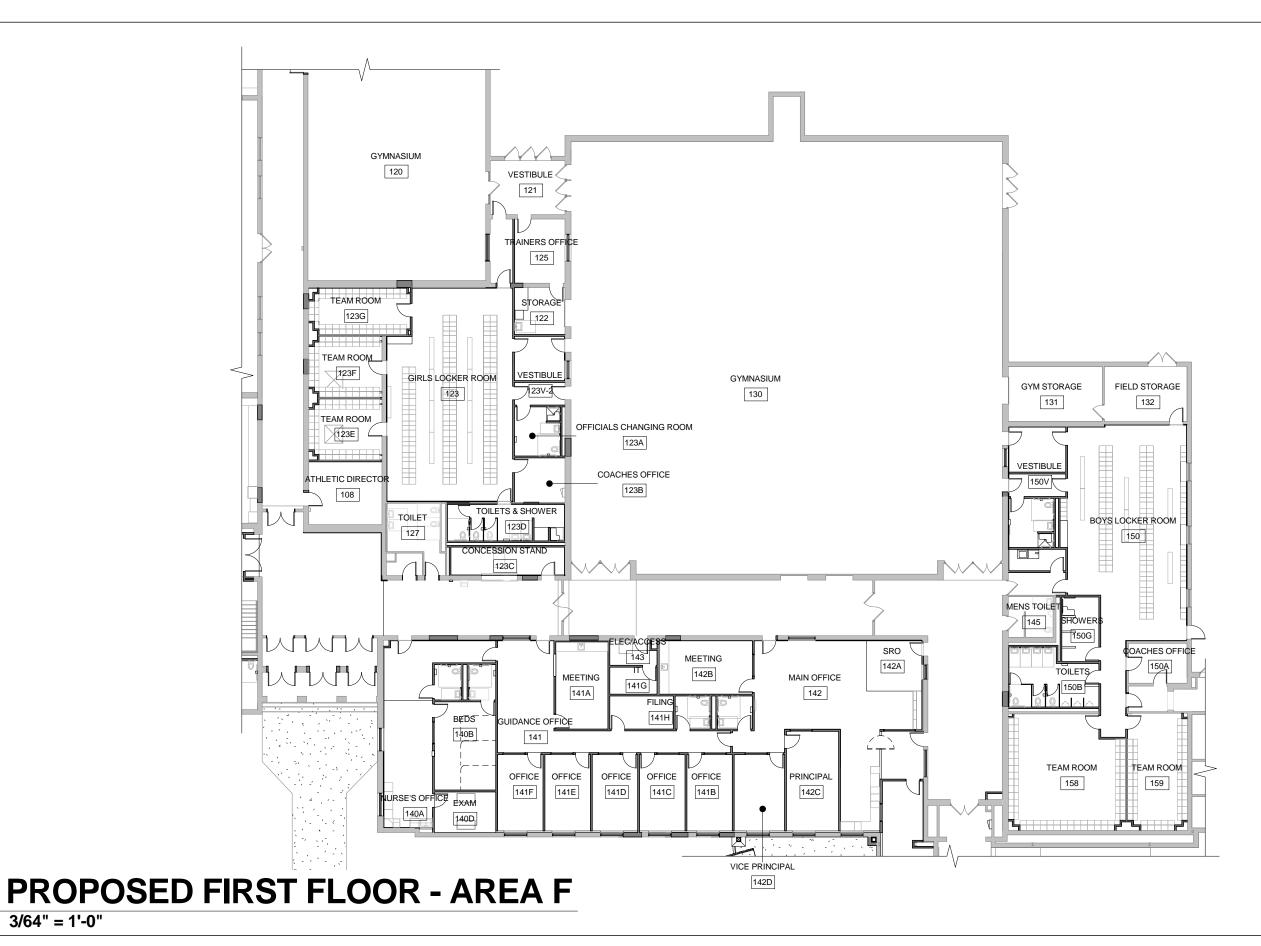
MARCELLUS CENTRAL SCHOOL DISTRICT

MARCELLUS SENIOR HIGH SCHOOL

**FIRST FLOOR - AREA E** 







#### 3/64" = 1'-0"

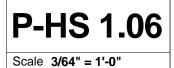


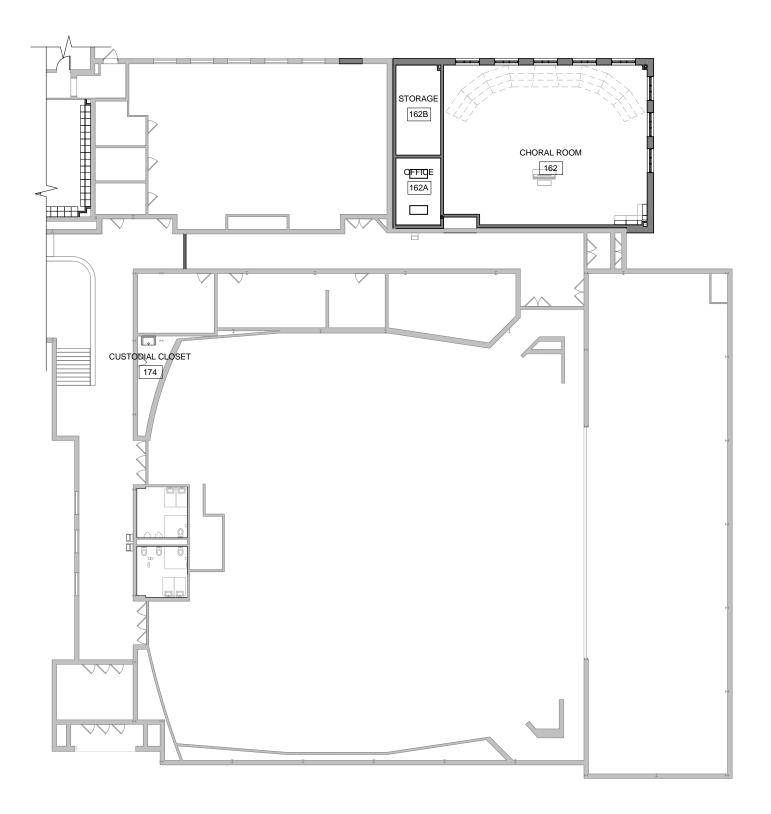
1

MARCELLUS CENTRAL SCHOOL DISTRICT

**FIRST FLOOR - AREA F** 

MARCELLUS SENIOR HIGH SCHOOL





#### **PROPOSED FIRST FLOOR - AREA G** (1

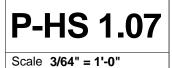
3/64" = 1'-0"

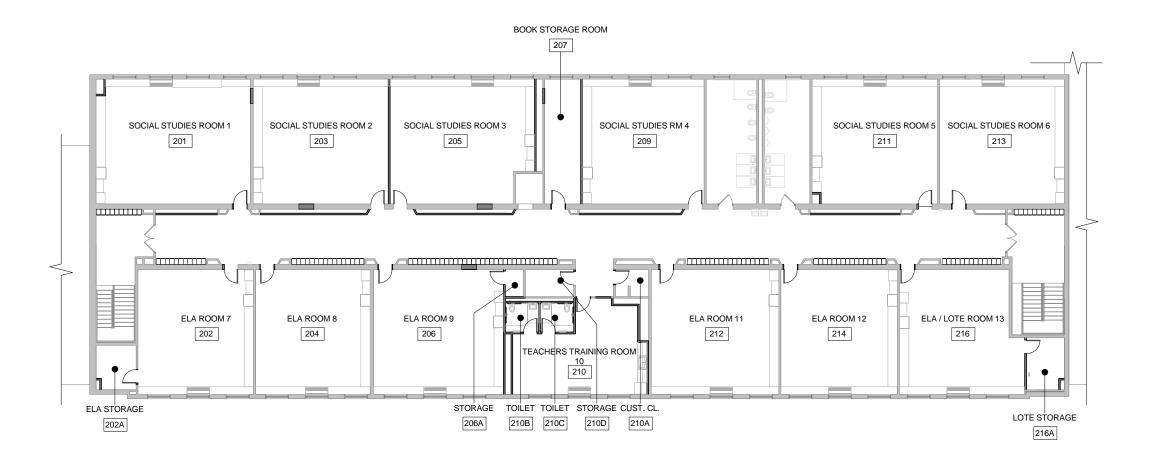


MARCELLUS CENTRAL SCHOOL DISTRICT

MARCELLUS SENIOR HIGH SCHOOL

**FIRST FLOOR - AREA G** 





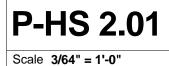
#### **PROPOSED SECOND FLOOR - AREA A** 1

3/64" = 1'-0"

MARCELLUS CENTRAL SCHOOL DISTRICT

### **SECOND FLOOR - AREA A**

SEI design group MARCELLUS SENIOR HIGH SCHOOL



## 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:

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 , where the value of the state of the

#### 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	
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 Survey

Building Information

Page Last Modified: 06/10/2016

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?	
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

- 24. Number of instructional classrooms:
- 25. Gross square footage of all instructional classrooms (combined):
- 17,201.00
- 26. Other spaces provided: (check all that apply)

	a.	N/A (none)		j. Health Office		s.	Resource Rooms
	b.	Administration		k. Home & Careers	☑	t.	Science Labs
	с.	Art		l. Kitchen		u.	Special Education
	d,	Audio Visual	7	m. Large Group Instruction		v.	Swimming Pool
	e,	Auditorium		n. Library	Ø	w	. Teacher Resource
	f.	Cafeteria		o. Multipurpose Rooms		X.	Technology/Shop
Ľ	g	Computer Room	☑	p. Music		y	Other (please describe)
Ľ	h.	Guidance		q. Pre-K			방법 학생님 같은 것은 것은 것은 것을 가지 않는다. 사람들 같은 것은 것은 것은 것을 것을 하는 것이라. 것은 것을 같이다.
	i.	Gymnasium		r. Remedial Rooms			

#### 26y. Describe other spaces

(No Response)

#### Space Adequacy

#### 27. Rating of space adequacy:

- Good
- 🗹 Fair
- D 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

# 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

### Page Last Modified: 06/07/2016

tilities									
37. Water									
Ø Yes □ No									
37	a. Type of Se	rvice:							
	Municipal or Ut Well Other	ility provided							
37	b. Condition:								
	Excellent Satisfactory Unsatisfactory Non-Functionin Critical Failure								
370	c. Year of Las	t Major Reconstruction/	Replacer	nent:					
201	2				an Balantar tak	ana Ang ang ang			n Angelander Staffen Altera
370	d. Expected R	emaining Useful Life (Ye	ears):						
						alaya di sa Singa Agri			
		construct/Replace \$:							
								na sin Sula sing	
371	f. Comments:								
(No	Response)		• :				11111		
38. Site	Sanitary (H)								
☑ Yes □ No									
38:	a. Type of Se	rvice:							
	Municipal or uti Site septic Other								
38	b. Condition:								
	Excellent Satisfactory Unsatisfactory Non-Functionin Critical Failure	g							

#### 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 \$:	
85,000.00	
38f. Comments:	-14
Main from building to street.	
9. Site Gas (H)	
Yes No	
39a. Type of gas service:	. •
Netural Gas     Liquid Petroleum	
39b. Condition:	
Excellent	
<ul> <li>☑ Satisfactory</li> <li>□ Unsatisfactory</li> </ul>	
Non-Functioning Critical Failure	
39c. Year of Last Major Reconstruction/Replacement;	
1990	
39d. Expected Remaining Useful Life (Years):	
IS	
39e. Cost to Reconstruct/Replace \$:	
(No Response)	
39f. Comments:	
Complette new service in 1990	113
0. Site Fuel Oil (H)   Yes   No	
1. Site Electrical, Including Exterior Distribution (H)	

#### 🗹 Yes

🗆 No

41a. Service Provider:

- Municipal or utility provided
- Self-Generated
- Other
- D N/A

# MARCELLUS CSD 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	
		an a
	41c. Condition: ☑ Excellent	Adams in the second
	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)	
Stormwate	er Management	
42.	Closed Drainage Pipe Stormwater Management System	
•	42a. Does this facility have a closed pipe system?	
	Yes No	
	42b. Condition:	
	Excellent	
	Satisfactory	
	<ul> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>	
	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.	

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Site Utilities

Page Last Modified: 06/07/2016 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 ☑. D 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

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Site Utilities

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#### 48. Retention Basins

#### 48a. Does this facility have retention basins?

i Yes □ No	
48b. Condition:	
Excellent states and the second se	
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?	
<ul> <li>Yes</li> <li>No</li> <li>No</li> </ul>	
50. Manufactured Stormwater Proprietary Units	
50a. Does this facility have proprietary units?	
51. Point of Outfall Discharge: (check all that apply)	
Municipal storm sewer system	
Combined sewer system	
<ul> <li>Surface Water</li> <li>On-site recharge</li> </ul>	
□ 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
- D 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 states a state state state state state a state state and states and states and states and states and states are states as a state state state and states are states and states are states and states are states and states are s

#### 53b. Condition:

- **Excellent**
- Satisfactory
- Unsatisfactory
- □ Non-Functioning
- Critical Failure

#### 53c. Year of Last Major Reconstruction/Replacement:

2009

#### 53d. Expected Remaining Useful Life (Years):

 $10^{-10}$ 

#### 53e. Cost to Reconstruct/Replace \$:

1,065,000.00 (teach of the table of table	김 씨가 부분들이 집을 위해 주셨는지.
--	-----------------------

#### 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

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Other Site Features

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, -	
	54d. Expected Remaining Useful Life (Years):
	Š
	54e. Cost to Reconstruct/Replace \$:
	349,000.00
	54f. Comments:
	Replace student lot walk, asphalt walks, bus loop walk, pave track access.
•	Playgrounds and Playground Equipment
Y N	es o
i.,	Athletic Fields and Play Fields
Y N	es 0
	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)
	<ul> <li>✓ Yes</li> <li>□ No</li> </ul>
	56f.1 If Yes, how many synthetic turf fields?
	I
	56f.2 Expected Remaining Useful Life of Synthetic Turf Field(s):
	5
	56f.3 Type of synthetic turf field infill:
	CBR

•

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Other Site Features

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] No		
57a. Condition:		
Excellent		
Satisfactory		
<ul> <li>Unsatisfactory</li> <li>Non-Functioning</li> </ul>		
Critical Failure		
57b. Year of Last	Major Reconstruction/Replacement:	
2006	allan di sela di seconda di second	
57c. Expected Re	emaining Useful Life (Years):	
20		ana Ana Na ana Ana ana
57d. Cost to Rec	onstruct/Replace \$:	
215,000.00		
57e. Comments:		
Add track gate replace	d-area curbing, new netting, softball bleachers.	a esterat
8. Related Structures	(such as Press Boxes, Dugouts, Climbing Walls, etc.)	· .
8. Related Structures		
8. Related Structures		ges 23 Sec 23
<ul> <li>Related Structures</li> <li>Yes</li> <li>No</li> <li>58a. Condition:</li> <li>Excellent</li> </ul>		
<ul> <li>i8. Related Structures</li> <li>Yes</li> <li>No</li> <li>58a. Condition:</li> <li>Excellent</li> <li>Satisfactory</li> </ul>		
<ul> <li>Related Structures</li> <li>Yes</li> <li>No</li> <li>58a. Condition:</li> <li>Bxcellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> </ul>		
<ul> <li>8. Related Structures</li> <li>1 Yes</li> <li>58a. Condition:</li> <li>Excellent</li> <li>Satisfactory</li> </ul>	(such as Press Boxes, Dugouts, Climbing Walls, etc.)	
<ul> <li>Related Structures</li> <li>Yes</li> <li>No</li> <li>58a. Condition:</li> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>	(such as Press Boxes, Dugouts, Climbing Walls, etc.)	
<ul> <li>8. Related Structures</li> <li>1 Yes</li> <li>1 No</li> <li>58a. Condition:</li> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>	(such as Press Boxes, Dugouts, Climbing Walls, etc.)	
<ul> <li>8. Related Structures</li> <li>Yes</li> <li>No</li> <li>58a. Condition: <ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> <li>58b. Year of Last</li> <li>2006</li> </ul> </li> </ul>	(such as Press Boxes, Dugouts, Climbing Walls, etc.)	
<ul> <li>8. Related Structures</li> <li>Yes</li> <li>No</li> <li>58a. Condition: <ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> <li>58b. Year of Last</li> <li>2006</li> </ul> </li> </ul>	(such as Press Boxes, Dugouts, Climbing Walls, etc.) Major Reconstruction/Replacement:	
<ul> <li>8. Related Structures</li> <li>Yes</li> <li>No</li> <li>58a. Condition: <ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul> </li> <li>58b. Year of Last 2006</li> <li>58c. Expected Res 20</li> </ul>	(such as Press Boxes, Dugouts, Climbing Walls, etc.) Major Reconstruction/Replacement:	
<ul> <li>8. Related Structures</li> <li>Yes</li> <li>No</li> <li>58a. Condition: <ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul> </li> <li>58b. Year of Last 2006</li> <li>58c. Expected Res 20</li> </ul>	(such as Press Boxes, Dugouts, Climbing Walls, etc.) Major Reconstruction/Replacement:	

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

#### 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:

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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:

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#### 61. Exterior Walls/Columns (S)

61a. Material (check all that apply):

- Concrete
- Masonry
- D 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:

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	(es Vo			
	62a. Material (check all that apply):			
	Masonry			
	Metal			
	U Wood			
	□ • Other			
	62a.1 Specify other:	a a statistica and a statistica		
	(No Response)		an kana ang kana ang Kana ang kana	1. 1. j. j.
	62b. Overall Condition of Chimneys:			
	<b>Excellent</b>			
	☑ Satisfactory			
	Unsatisfactory			
	<ul> <li>Non-Functioning</li> <li>Critical failure</li> </ul>			
		rêk Avrendan direktirê direk direk harê	reede yf ei llei yn yn yn aran gan yn yn yn yn yn ar ar yn	
	1967			
	62.d Expected Remaining Useful Life (Ye	ears):		
	0			
	62e. Cost to Reconstruct/Replace \$:			
	uze. Cost to Reconstructive place 4.			
	(No Response)	a an tha 1940.	and a state of the second s Second second	
	-	a a serie più		
	(No Response): the network of the state of t	a a servejtiva. Li stali		
63.	(No Response): An and a second s			
⊠ Y	(No Response) 62f. Comments: (No Response) Parapets (S) (es			
⊠ Y	(No Response) 62f. Comments: (No Response) Parapets (S) (es			
⊠ Y	(No Response) 62f. Comments: (No Response) Parapets (S) Ves Jo 63a. Construction Type (check all that a			
⊠ Y	(No Response) 62f. Comments: (No Response) Parapets (S) (es 53a. Construction Type (check all that a ☑ Masonry			
⊠ Y	(No Response) 62f. Comments: (No Response) Parapets (S) (es 10 63a. Construction Type (check all that a 10 Masonry 10 Concrete			
⊡ Y	(No Response) 62f. Comments: (No Response) Parapets (S) (es 53a. Construction Type (check all that a ☑ Masonry			

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

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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
 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 \$:

## 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

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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. I so di la constanza di seconda di sec 1967. I so di la constanza di seconda di secon

#### 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

D 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
- D Pre-formed metal
- 🗖 IRMA
- Slate
- □ Other (describe below)

#### 68b.1 Other roofing material:

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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

#### 68e. Does this facility have skylights?

Yes
 No

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

- Plastic
  Glass
  Other
- $\square$  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	
2	Rot/Decay/Corrosion	
	Inadequate flashing/curbs/pitch pockets	
	Inadequate or poorly functioning roof drains	
	Evidence of water penetration/active leaks	
V	Other (specify)	
	None	
68	h.1 Specify other concerns:	

Leaks.

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## **MARCELLUS CSD**

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Building Envelope

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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

#### 68I. Cost to Reconstruct/Replace \$:

200,000.00

68m. Comments:

Selected roofing and skylights (2016 project).

## 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Interior Spaces

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INTERIOR SPACES
-----------------

- 69. Interior Bearing Walls and Fire Walls (S)
- ☑ Yes
- D 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:

#### 69c. Expected Remaining Useful Life (Years):

is an all the second second

#### 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

D 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

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Interior Spaces

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#### 72f. Comments:

Replace VAT flooring.

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

#### 2 Yes

D No

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

- Instructional Space
- Common Area

#### 73b. Overall condition of hard flooring:

- □ Excellent
- Satisfactory

2009

- Unsatisfactory
- Non-Functioning
- Critical Failure

#### 73c. Year of Last Major Reconstruction/Replacement:

\_\_\_\_

#### 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

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Interior Spaces

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#### 76e. Comments:

#### Interi

Replace lockers (2016 project).	
Interior Doors	
77. Interior Doors	
☑ Yes □ No	
77a. Overall condition of interior door units:	
<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>	
77b. Overall condition of interior door hardware:	
<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>	
77c. Year of Last Major Reconstruction/Replacement:	
1972	Ners (1995)
77d. Expected Remaining Useful Life (Years): 0	i je de
77e. Cost to Reconstruct/Replace \$:	
75,000.00	
77f. Comments:	
Replace cocksets (2016 project).	
Interior Stairs (S)	
78. Interior Stairs (S)	
<ul> <li>✓ Yes</li> <li>□ No</li> </ul>	
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

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

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 120000
80f. Comments:
Panels scheduled for replacement in 2016 project.
ng Fixtures
81. Interior Lighting Fixtures
<ul><li>✓ Yes</li><li>No</li></ul>
81a. Condition of interior lighting fixtures:
□ Excellent □ Satisfactory
<ul> <li>Unsatisfactory</li> <li>Non-Functioning</li> </ul>
Critical Pailure
81b. Year of Last Major Reconstruction/Replacement:
2009
81c. Expected Remaining Useful Life (Years):
O state of the second of the second
81d. Cost to Reconstruct/Replace \$:
(No Response)
81e. Comments:
Lighting scheduled for replacement with LED in 2016 project.
nunication Systems (H)
82. Communication Systems (H)
<ul><li>✓ Yes</li><li>□ No</li></ul>
82a. Communication systems are adequate:

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Interior Spaces

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8	82b. Condition of communication systems:
8	Bxcellent
	그는 그는 바람이 같이 다 나는 것 같은 것을 다 가지 않는 것 같이 다 가지 않는 것 같이 다 나라 가지 않는 것 같이 다 나라 가지 않는 것 같이 다 나라 나라 가지 않는 것 같이 나라 나라 있다.
Ĺ	Critical Failure
٤	82c. Year of Last Major Reconstruction/Replacement:
2	2011
8	82d. Expected Remaining Useful Life (Years):
1	10
8	82e. Cost to Replace/Reconstruct \$:
(	No Response)
8	821. Comments:
N N	VoIP added, PA head end being replaced in 2016 project.
Swimming P	ool and Swimming Pool Systems
83. Sv	wimming 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 No

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

- 🗖 Iron
- Galvanized
- Copper
- 🗆 Lead
- D 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):

 $\mathbf{0}$ 

#### 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 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

0

85d. Expected Remaining Useful Life (Years):

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
- D 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):

#### 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

D 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)

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

HVAC Systems

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9(	
	Yes No
	90a. Overall condition of heating fuel / energy systems:
	<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>
	90b. Year of Last Major Reconstruction/Replacement:
	90c. Expected Remaining Useful Life (Years):
	алан алан алан алан алан жана алан жана алан алан
	90d. Cost to Reconstruct/Replace \$:
	(No Response)
	90e. Comments:
	(No Response)
ooling	/Air Conditioning Generating Systems
<b>9</b> 1	1. Cooling / Air-Conditioning Generating Systems
	Yes No
	91a. Overall condition of cooling/air-conditioning generating systems:
	<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>
	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)
R HAN	NDLING AND VENTILATION EQUIPMENT

### 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

HVAC Systems

Page Last Modified: 04/20/2016

I No	5
	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.
Heati	ng and Cooling Distribution Systems
	Piped Heating and Cooling Distribution Systems: Piping, Pumps, Radiators, Convectorss, Traps, Insulation,
etc. (H	
<ul> <li>☑ Ye:</li> <li>□ No</li> </ul>	
	93a. Overall condition of piped heating and cooling distribution systems:
	93a. Overall condition of piped heating and cooling distribution systems:
	93a. Overall condition of piped heating and cooling distribution systems: □ Excellent ☑ Satisfactory
	Excellent     Salisfactory     Unsatisfactory
	<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> </ul>
	<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>
	<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> <li>93b. Year of Last Major Reconstruction/Replacement:</li> </ul>
	<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>
	<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> <li>93b. Year of Last Major Reconstruction/Replacement:</li> </ul>
	<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> <li>93b. Year of Last Major Reconstruction/Replacement:</li> <li>2009</li> </ul>
	<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> <li>93b. Year of Last Major Reconstruction/Replacement:</li> <li>2009</li> <li>93c. Expected Remaining Useful Life (Years):</li> </ul>
	<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> <li>93b. Year of Last Major Reconstruction/Replacement:</li> <li>2009</li> <li>93c. Expected Remaining Useful Life (Years):</li> <li>0</li> </ul>

### 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

HVAC Systems

Page Last Modified: 04/20/2016

### 94. Ducted Heating and Cooling Distribution Systems: Ductwork, Control Dampers, Fire/Smoke Dampers, VAVs,

Insulation, etc. (H)

- 🗹 Yes
- No 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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	Yes
	No
	98a. Overall condition of fire suppression systems:
	Excellent     Satisfactory     Unsatisfactory     Non-Functioning     Critical Failure
	98b. Year of Last Major Reconstruction/Replacement:
	1966 Marca Barlow B 1966 Marca Barlow Bar
	98c. Expected Remaining Useful Life (Years):
	<ul> <li>O the state of the</li></ul>
	98d. Cost to Reconstruct/Replace \$:
	45,000.00
	98e. Comments:
	Kitchen hoods do not have fire suppression.
rgend	cy/Exit Lighting Systems
99.	Emergency / Exit Lighting Systems (H)
	Yes No
	99a. Overall condition of emergency / exit lighting systems:
	<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>
	99b. Year of Last Major Reconstruction/Replacement:
	2009
	99c. Expected Remaining Useful Life (Years):
	5
	99d. Cost to Reconstruct/Replace \$:
	99d. Cost to Reconstruct/Replace \$: 70,000.00

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Fire Safety Systems

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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

Page Last Modified: 06/05/2016

### **ENVIRONMENT/COMFORT/HEALTH**

104. General Appearance 104a. Overall Rating: ☑ Good □ Fair D Poor 104b. Comments: (No Response) 105. Cleanliness 105a. Overall Rating: ☑ Good 🗖 Fair D 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 D 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) 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 Astrophysical Ast
- □ 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

D 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

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112d. Is ☑ Yes	accumulated dirt, dust or debris in ductwork?
🗆 No	
112e. A	re dampers functioning as designed?
☑ Yes □ No	
112f. Co	ondition of air filters:
□ Good ☑ Fair □ Poor	
112g. O	utside air is adequate for occupant load:
☑ Yes □ No	
112h. R	ating of ventilation/indoor air quality:
□ Good □ Fair □ Poor	
112i. Co	omments:
(No Respo	inse)
113. In	idoor Air Quality (IAQ) Plan
113a. D □ Yes ☑ No	oes the school district use EPA's Tools for Schools program?
	13b. If No, is some other IAQ management plan used?
1	13c. Has the District assigned IAQ responsibilities to a designated individual?
	<ul> <li>Yes</li> <li>No the second se</li></ul>
1	13c.1 If Yes, what is their job title?
н	ealth and Safety Officer.
114. D	oes the school practice IPM?
☑ Yes □ No	
1	14a. Is vegetation kept one foot away from the building?
2 D	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

### **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 builtup 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. <u>Building Interior Space Items:</u>

- Provide interior door ADA levers.
- Replace concealed spline ceilings.
- Hazardous material abatement.
- Replace classroom casework.

### 4. <u>Mechanical/Plumbing Systems Items:</u>

- 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. <u>Electrical/Technology System Items:</u>

- 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







102 West Division St, Suite 400 Syracuse, NY 13204



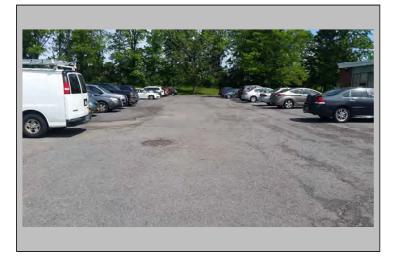
(P) 315.476.1022 (F) 315 479 7573 www.appelosborne.com

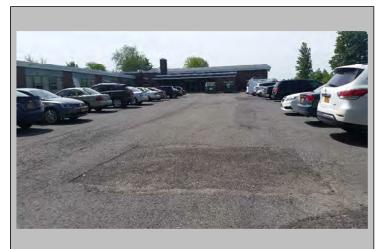
### **Building Condition Survey Supplemental Information**

Marcellus CSD - Kasson Road Project: SEI Design Group Architect: 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: Budget Line Item Number: \$13,000 (42/44)

Item Description:

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

Photograph Number: Budget Line Item Number: \$5,000 (42/44)

Item Description:

Provide concrete apron for structures in pavement (2 structures)

Photograph Number: Budget Line Item Number: \$170,000 (53)

Item Description:

Replace west parking lot pavement (approx 20,000 sf)

102 West Division St, Suite 400 Syracuse, NY 13204

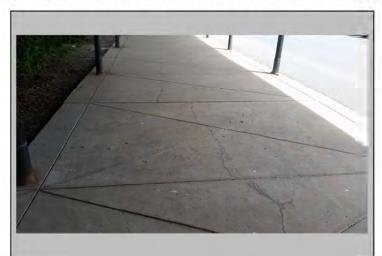


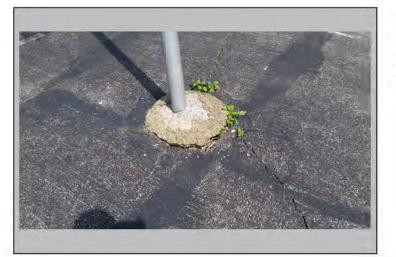
(P) 315.476.1022 (F) 315.479.7573 www.appelosborne.com

### **Building Condition Survey Supplemental Information**

Marcellus CSD - Kasson Road Project: SEI Design Group Architect: 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: 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)

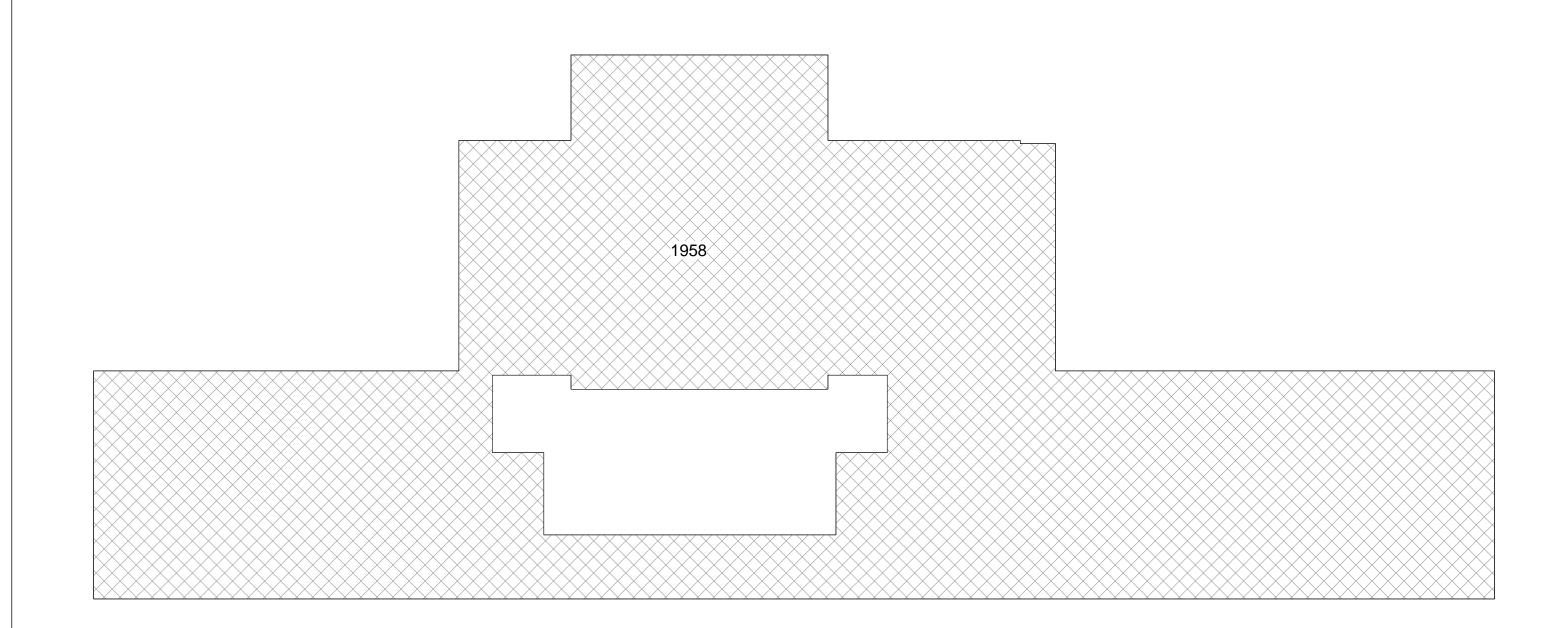
Item Description:

Replace basketball court and hoops

Photograph Number: 6 Budget Line Item Number: \$250,000 (55)

Item Description:

Update playscape and provide paved access





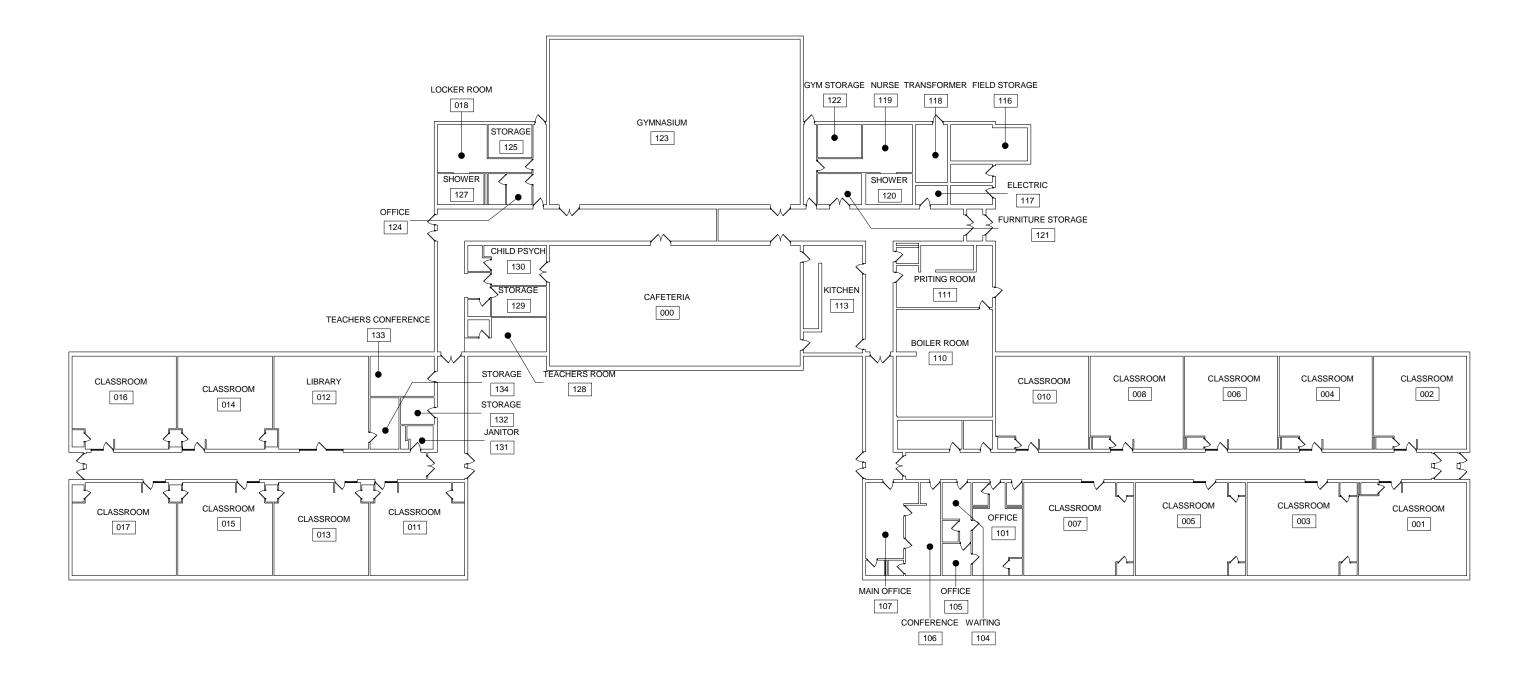
1" = 30'-0"

MARCELLUS CENTRAL SCHOOL DISTRICT

SEI design group KASSON ROAD ELEMENTARY **OVERALL LEGACY PLAN** 







# **OVERALL FIRST FLOOR PLAN** $\mathbf{1}$

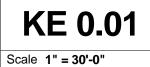
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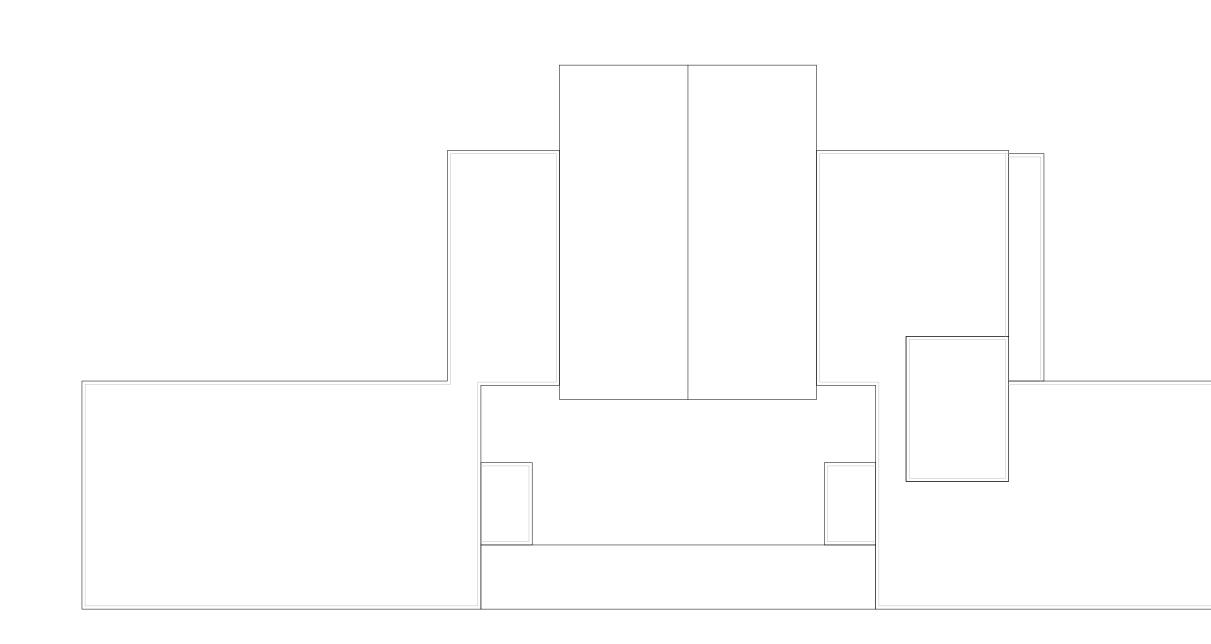
SEI design group

MARCELLUS CENTRAL SCHOOL DISTRICT

KASSON ROAD ELEMENTARY

# **OVERALL FIRST FLOOR PLAN**



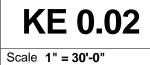




MARCELLUS CENTRAL SCHOOL DISTRICT

SEI design group KASSON ROAD ELEMENTARY

**OVERALL ROOF PLAN** 



# 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: 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
<ul> <li>9. Certificate of Occupancy Status:</li> <li>☑ A - Annual</li> <li>□ T - Temporary</li> <li>□ N - None</li> </ul>
<b>10. Certificate of Occupancy Expiration Date:</b> 03/01/2017
Building Age, Gross Square Footage and Maintenance Staff
<ol> <li>Year of Original Building:</li> <li>Martin Martin Marti</li></ol>
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)?

### 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Building Information

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	Count Employees
Full-time custodians:	2
Part-time custodians:	Ó
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)

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#### 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 Survey

**Building 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
<ul> <li>22. Have there been renovations or construction in the building during the past 12 months?</li> <li>□ Yes</li> <li>☑ No</li> </ul>
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

#### Page Last Modified: 06/08/2016

### 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)

🗆 a. N/A	(none)	j.	Health Office	Ø	s.	Resource Rooms
🗹 b. Adr	ninistration 🛛	k.	Home & Careers		t.	Science Labs
C. Art		1,	Kitchen		u.	Special Education
🗖 d. Aud	lio Visual 🗖	m.	Large Group Instruction		¥.	Swimming Pool
🗆 e. Aud	litorium 🛛 🗹	n.	Library		w.	Teacher Resource
🗹 f. Cafe	eteria 🗖	0,	Multipurpose Rooms		x.	Technology/Shop
🛛 g. Con	nputer Room 🗹	p	Music		y.	Other (please describe)
🗖 h. Gui	dance	q.	Pre-K			1993년 1995년 1993년 1997년 1997년 1997년 1997년 1997년 - 1997년 1
🗹 і. Сулг	nnasium 🗖	r. I	Remedial Rooms			무료는 물건물건 물건을 하는 것 같아요. 물건을

#### 26y. Describe other spaces

(No Response)

### Space Adequacy

### 27. Rating of space adequacy:

- 🗹 Good
- Fair and the state of the state

#### 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

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Program Spaces

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### 32. A/E Firm Address:

187 Wolf Rroad 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	
<ul> <li>✓ Yes</li> <li>□ No</li> </ul>	
37a. Type of Service:	
<ul> <li>Municipal or Utility provided</li> <li>Well</li> <li>Other</li> </ul>	
37b. Condition:	
<ul> <li>□ Excellent</li> <li>☑ Satisfactory</li> <li>□ Unsatisfactory</li> <li>□ Non-Functioning</li> <li>□ Critical Failure</li> </ul>	
37c. Year of Last Major Reconstruction/Replacement:	
37d. Expected Remaining Useful Life (Years):	
37e. Cost to Reconstruct/Replace \$:	
(No Response)	and and a second
37f. Comments:	
(No Response)	
38. Site Sanitary (H)	
<ul><li>☑ Yes</li><li>□ No</li></ul>	
38a. Type of Service:	
<ul> <li>Municipal or utility sewer</li> <li>Site septic</li> <li>Other</li> </ul>	
38b. Condition:	
<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>	
38c. Year of Last Major Reconstruction/Replacement:	
2003	
38d. Expected Remaining Useful Life (Years):	

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Site Utilities

Page Last Modified: 06/07/2016 38e. Cost to reconstruct/Replace \$: (No Response) 38f. Comments: (No Response) Site Gas (H) 39. Yes D 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) Site Fuel Oil (H) 40. □ Yes No 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
🗖 – Ň/A NAJELEN – UMA NAMERIA SE SPECIAL SE
41c. Condition:
<ul> <li>Satisfactory</li> <li>Unsatisfactory</li> </ul>
□ Non-Functioning
<ul> <li>Critical Failure</li> <li>Critical Failure</li> </ul>
41d. Year of Last Major Reconstruction/Replacement:
41e. Expected Remaining Useful Life (Years):
is a second particular and the second s
41f. Cost to Reconstruct/Replace \$:
(No Response)
41g. Comments:
(No Response)
ater Management
. Closed Drainage Pipe Stormwater Management System
42a. Does this facility have a closed pipe system?
Yes a light being a specific the second state of the second state
42b. Condition:
☑ Satisfactory
Unsatisfactory
□ Non-Functioning
Critical Failure
42c. Year of Last Major Reconstruction/Replacement:
1959
42d. Expected Remaining Useful Life (Years):
42d. Expected Remaining Useful Life (Years):
5
•

Replace brick risers and provide concrete aprons.

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Site Utilities

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### 43. Open Drainage Pipe Stormwater Management System

Deep this facility have an open stormwater system (ditch)?

43a. Does this facil	ity have an open stormwater system (ditch)?
🗖 Yes	
No	
44. Catch Basins/Dro	p Inlets/Manholes
44a. Does this facil	ity have catch basins/drop inlets/manholes?
☑ Yes	
D No	
44b. Condition:	
Excellent	
Satisfactory	
Unsatisfactory	
<ul> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>	<b>j</b>
	andar yan nan ana ana misani ang makana ang bana manang na ang paring panasi sa panana ana panana 1995 na sa p
44c. Year of Las	t Major Reconstruction/Replacement:
1959	
Add Even stad B	Jamaining Unafid Life (Varra)
44a. Expected N	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

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

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)
<ul> <li>Municipal storm sewer system</li> <li>Combined sewer system</li> <li>Surface Water</li> <li>On-site recharge</li> <li>Other (describe)</li> <li>Not Applicable</li> </ul>
52. Outfall Reconnaissance Inventory Were all stormwater outfalls inspected during dry weather for signs of non-stormwater discharge?
✓ Yes

- D 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
- П 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
- D Paver
- □ Other

#### 54b. Condition:

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

#### 54c. Year of Last Major Reconstruction/Replacement:

## 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Other Site Features

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#### 54d. Expected Remaining Useful Life (Years):

**js** 

#### 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):

Stand and the Reconstruct/Perland A.

#### 55d. Cost to Reconstruct/Replace \$:

#### 55e. Comments:

Update playscape and provide paved access and replace basketball court.

#### 56. Athletic Fields and Play Fields

#### 🗹 Yes

D No

### 56a, Condition:

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

#### 56b. Year of Last Major Reconstruction/Replacement:

2010

#### 56c. Expected Remaining Useful Life (Years):

## 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Other Site Features

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	56d. Cost to Reconstruct/Replace \$:
	(No Response)
	56e. Comments:
	(No Response)
	<ul> <li>56f. Does the facility have synthetic turf field(s)</li> <li>□ Yes</li> <li>☑ No</li> </ul>
	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)
E	Exterior Bleachers / Stadiums
1	8

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

Yes 🗹 No

## 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

#### Substructure

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#### Substructure

59. Foundation (S)

#### 59a. Type (check all that apply):

- Reinforced Concrete
- Masonry on Concrete Footing
- Other A. States and A. States

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

- D 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)

## 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
- U 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
- D 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)

## 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

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):

- D Structural Cracks
- □ Rot/Decay/Corrosion
- Other Problems
- None Contraction State Contraction Contractio Contraction Contraction Contraction -

#### 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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.

Building Envelope

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	62a. Material (check all that apply):
	<ul> <li>✓ Masonry</li> <li>Concrete</li> <li>Metal</li> <li>Wood</li> <li>Other</li> </ul>
	62a.1 Specify other: (No Response)
	62b. Overall Condition of Chimneys:
	<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical failure</li> </ul>
	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. □ Y	Parapets (S) (es

#### 64. Exterior Doors

#### 64a. Overall Condition of Exterior Door Units:

- Excellent
- ☑ Satisfactory
- Unsatisfactory
- O Non-Functioning
- Critical Failure

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**Building Envelope** 

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- <u> </u>			
Satisfactory			
Unsatisfactory Non-Functioning			
Critical Failure			
64c. Do any exterior doors have	a magnetic looking devices?		
and the second statement of the second second second	e magnetic focking devices i		8 M.C.
□ Yes ☑ No			
64d. Safety/Security features ar	re adequate?		
<ul><li>☑ Yes</li><li>☑ No</li></ul>			
64e. Year of Last Major Recons	struction/Replacement:		
2002			e e personalitar
64f. Expected Remaining Usefu	ul Life (Years):		
5			
64g. Cost to Reconstruct/Repla	ace \$:		
124,200.00			
64h. Comments:			
(No Response)		e la comenza la substituí de la comenza La comenza de la comenza de la comenza de la comenza La comenza de la comenza de la comenza de la comenza de la	
Exterior Steps, Stairs, Ramps (S)	)		
es en el ser el ser O		n al bita dal 1990 del 1990 de La constante dal 1990 del 1990 d	
65a. Overall Condition of Exteri	ior Steps, Stairs and Ramps		
Excellent			
Satisfactory	AN AN AND		
<ul> <li>Satisfactory</li> <li>Unsatisfactory</li> </ul>			
<ul> <li>Satisfactory</li> <li>Unsatisfactory</li> </ul>			
<ul> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> </ul>	struction/Replacement:		
<ul> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>	struction/Replacement:		
<ul> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> <li>65b. Year of Last Major Recons</li> </ul>			
<ul> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> <li>65b. Year of Last Major Recons</li> <li>1990</li> </ul>			
<ul> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> <li>65b. Year of Last Major Recons</li> <li>1990</li> <li>65c. Expected Remaining Useful</li> </ul>	ul Life (Years):		
<ul> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> <li>65b. Year of Last Major Recons</li> <li>1990</li> <li>65c. Expected Remaining Useful</li> <li>15</li> </ul>	ul Life (Years):		
<ul> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> <li>65b. Year of Last Major Reconst</li> <li>1990</li> <li>65c. Expected Remaining Useful</li> <li>15</li> <li>65d. Cost to Reconstruct/Replace</li> </ul>	ul Life (Years):		

## 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Building Envelope

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#### 66. Fire Escapes (S)

66a. Does This Facility Have One or More Fire Escapes?

J Yes
2 No
67. Windows
2 Yes I No
67a. Window Material: (check all that apply)
<ul> <li>☐ Aluminum</li> <li>☐ Steel</li> <li>☐ Vinyl</li> </ul>
<ul> <li>☑ Solid Wood</li> <li>□ Wood w/ External Cladding System</li> </ul>
□ Other
67b. Overall Condition of Windows;  Excellent Satisfactory Unsatisfactory Non-Functioning Critical Failure
67c. All Rescue Windows are Operable:
<ul> <li>✓ Yes</li> <li>□ No</li> <li>□ N/A</li> </ul>
67d. Year of Last Major Reconstruction/Replacement:
nie Belien zenanne ferskielige Bergenske Beliefskaarse person beginne het die ster die Strangerge in dat in die 2000
67e. Expected Remaining Useful Life (Years):
67f. Cost to Reconstruct/Replace \$:
35,000,00
67g. Comments:
Replace gym windows.
nd Skylights (S)
68. Roof and Skylights (S)
I Yes I No

Roof

## MARCELLUS CSD 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

**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

## 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

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:

1995

#### 68k. Expected Remaining Useful Life (Years):

#### 68I. Cost to Reconstruct/Replace \$:

(No Response)

#### 68m. Comments:

(No Response)

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## 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Interior Spaces

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### **INTERIOR SPACES** 69. Interior Bearing Walls and Fire Walls (S) Ø Yes D 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

## 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Interior Spaces

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<b>-</b> ·	/es ło
	71a. Where located (check all that apply):
	<ul> <li>□ Instructional Space</li> <li>☑ Common Area</li> </ul>
	71b. Condition:
	<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>
	71c. Year of Last Major Reconstruction/Replacement:
	2005
	71d. Expected Remaining Useful Life (Years):
	S
	71e. Cost to Reconstruct/Replace \$:
	(No Response)
	71f. Comments:
	(No Response)
111111	(No Response) Resilient Tiles or Sheet Flooring (es No
	Resilient Tiles or Sheet Flooring /es
	Resilient Tiles or Sheet Flooring /es No
	Resilient Tiles or Sheet Flooring (es No 72a. Where located (check all that apply): ☑ Instructional Space
	Resilient Tiles or Sheet Flooring Kes No 72a. Where located (check all that apply): Instructional Space Common Area
	Resilient Tiles or Sheet Flooring         (es         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
	Resilient Tiles or Sheet Flooring         Vo         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
	Resilient Tiles or Sheet Flooring Ves No 72a. Where located (check all that apply): 72a. Transmitterional Space Common Area 72b. Overall condition of resilient tiles or sheet flooring: Bxcellent Satisfactory Unsatisfactory Non-Functioning Critical Failure 72c. Year of Last Major Reconstruction/Replacement:

## 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Interior Spaces

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72f. Comments:		
(No Response)		
73. Hard Flooring (concrete; ceramic tile; sto	ne; etc)	
Ø Yes. □ No		
73a. Where located (check all that apply	/):	
<ul> <li>Instructional Space</li> <li>Common Area</li> </ul>		
73b. Overall condition of hard flooring:		
<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>		
73c. Year of Last Major Reconstruction/	Replacement:	
2005	entranski filozofi en elemente	
73d. Expected Remaining Useful Life (Y	'ears):	
10		
73e. Cost to Reconstruct/Replace \$:		
(No Response)		and the Second Second
73f. Comments: (No Response)		
74. Wood Flooring		
<ul><li>Yes</li><li>No</li></ul>		

#### 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:

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Interior Spaces

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#### 75c. Expected Remaining Useful Life (Years):

75d. Cost to Reconstruct/Replace \$:

380,000.00

5

#### 75e. Comments:

(No Response)

#### Lockers

#### 76. Lockers

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

			$= \sum_{i=1}^{n} \left\{ \frac{1}{2} \sum_{i=1}^{n} \left\{ 1$	
×.	105	5. ·		
	No			

#### 77a. Overall condition of interior door units:

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

## 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Interior Spaces

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<pre>biterior Stairs (S) 78. fore-Foundation 78. Correct Condition of interior stairs: 78. interior Stairs (S) 79. interior St</pre>		77b. Overall condition of interior door hardware:
I Unsidiate to y  Non-Punctioning  Critical Failure 77c. Year of Last Major Reconstruction/Replacement: 2009 77d. Expected Remaining Useful Life (Years): 5 77e. Cost to Reconstruct/Replace \$: 57,500.00 777. Comments: ADA lovers. Interior Stairs (S) 78. Interior Stairs (S) 78. Overall condition of Interior stairs: I Sacient; 78. Overall condition of Interior stairs: I Sacient; 78. Control Failure 78. Vear 78. Comments: 78. Comments: 78. Comments: 78. Control Failure 78. Comments: 78.		Excellent
I Non-Punctioning Critical Palarae 776. Year of Last Major Reconstruction/Replacement: 2009 776. Expocted Remaining Useful Life (Years): 5 776. Cost to Reconstruct/Replace \$: 57,500.00 777. Commente: ADA lovera. Interior Stairs (S) 78. Interior Stairs (S) 78. Interior Stairs (S) 78. Interior Stairs (S) 78. Overall condition of interior stairs: 10 Excellent 8 Subtificatory 10 Mashinatory 10 Mashinatory 10 Mashinatory 10 Mashinatory 10 Response) 78. Cest to Reconstruct/Replace \$: (No Response) 78. Comments: (No Response) 78. Comments: (No Response) 78. Comments: (No Response) 78. Comments: (No Response) 78. Comments: (No Response) 78. Elevator, Lifts and Escalators (H) 7. Elevator, Lifts and Escalators (H) 10 Yes		나는 것을 하는 것을 하는 것을 하는 것을 수 있는 것을 하는 것을 하는 것을 하는 것을 수 있다. 그는 것을 수 있는 것을 수 있다. 같은 것을 수 있는 것을 수 있는 것을 수 있다. 것을 수 있는 것을 수 있는 것을 수 있는 것을 수 있다. 것을 수 있는 것을 수 있는 것을 수 있는 것을 수 있다. 것을 수 있는 것을 수 있는 것을 수 있는 것을 수 있는 것을 수 있다. 것을 수 있는 것을 수 있다. 것을 수 있는 것을 수 있는 것을 수 있는 것을 수 있는 것을 수 있다. 것을 수 있는 것을 수 있다. 것을 수 있는 것을 수 있다. 것을 수 있는 것을 수 있다. 것을 수 있는 것을 것을 것 같이 같이 것을 수 있는 것을 것 같이 것을 것 같이 것을 것 같이 같이 것을 것 같이 것 같이
Critical Failure:          776.       Year of Last Major Reconstruction/Replacement:         2009         776.       Expocted Remaining Useful Life (Years):         5         776.       Cost to Reconstruct/Replace \$:         97,500.00         777.       Comments:         ADA levers.         Interior Stairs (S)         78.       Overall condition of interior stairs:         Basinfactory         Domaining         Critical Pailure         78.       Verall condition of interior stairs:         Basinfactory         Domaining         Critical Pailure         78.       Verall condition of interior stairs:         Basinfactory         Domaining         Critical Pailure         78.       Verall construction/Replacement:         1959         78.       Secolation:         1959         78.       Cost to Reconstruct/Replace \$:         (No Response)         78.       Comments:         (No Response)       78.         78.       Comments:         (No Response)       78.         78.       Comments:         (No Response)       78. <th></th> <th></th>		
2009 774. Expected Remaining Useful Life (Years): 5 77e. Cost to Reconstruct/Replace \$: 77. Comments: ADA levers. Interior Stairs (\$) 78. Interior Stairs (\$) 78. Interior Stairs (\$) 78. Overall condition of Interior stairs: Excellent 5 Statisticity 78. Vear of Last Major Reconstruction/Replacement: 1959 78. Expected Remaining Useful Life (Years): 10 78. Cost to Reconstruct/Replace \$: (No Response) Flexuor, Liffs and Escalators (H) 78. Elevator, Liffs and Escalators (H) 78. Elevator, Liffs and Escalators (H) 78. Statistics (H) 78. Elevator, Liffs and Escalators (H) 78. Elevator, Liffs and Escalators (H)		
74. Expected Remaining Useful Life (Years):   7. Cost to Reconstruct/Replace \$:   7. Comments:   ADA lows:   Interior Stairs (S)   7. Vee   7. Norvall condition of interior stairs:   8. Satisfic.tory   9. Norvall condition of interior stairs:   9. Satisfic.tory   9. Norvarial condition of interior stairs:   9. Satisfic.tory   9. Norvarial condition of interior stairs:   9. Satisfic.tory   9. Norvarial condition of interior stairs:   9. Norvarial condition   9. N		77c. Year of Last Major Reconstruction/Replacement:
s 77e. Cost to Reconstruct/Replace \$:   57,500.00   77f. Comments:   ADA levees.   Interior Stairs (S)   78. Interior Stairs (S)   78. Overall condition of interior stairs:   Statisfic.cory   0 basisfic.cory   10 basisfic.cory   78c. Expected Remaining Useful Life (Years):   10   78d. Cost to Reconstruct/Replace \$:   (No Response)   78e. Comments:   (No Response)   78e. Comments:   (No Response)   78. Comments:   (No Response)   78. Comments:   (No Response)   78. Comments:   (No Response)   78. Elevator, Lift, and Escalators (H)   78. Elevator, Lift, and Escalators (H)		
77e. Cost to Reconstruct/Replace \$:   57,500.00   77f. Comments:   ADA levers.   Interior Statis (S)   8   8   8   78. Overall condition of interior statis:   8   8   8   9   78. Overall condition of interior statis:   9   78. Statis (S)   78. Cost to Reconstruction/Replacement:   195   78. Cost to Reconstruct/Replace \$:   (No Response)   78. Conments:   (No Response)   78. Contracts:   (No Response)   78. Elevator, Lift, and Escalators (H)   79. Elevator, Lift, and Escalators (H)		77d. Expected Remaining Useful Life (Years):
57,500.00   77f. Comments:   ADA leves.   Interior Stairs (S)   78. Interior Stairs (S)   78. Interior Stairs (S)   8. Interior Stairs (S)   78. Overall condition of interior stairs:   8. Bacellent   9. Secollent   9. Elevator, Lift, and Escalators (H)   9. Yes		s and a second
77f. Comments:   ADA lovers.   Interior Stairs (S)   78. Interior Stairs (S)   8. Overall condition of interior stairs:   8. Substratory   9. Non-Function   9. Satisfactory   10. Non-Function   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)   78. Controls:   (No Response)   78. Eventors (H)   79. Elevator, Lift, and Escalators (H)		77e. Cost to Reconstruct/Replace \$:
ADA leves. Interior Stairs (S) 78. Interior Stairs (S) 78a. Overall condition of interior stairs: 78a. Overall condition of interior stairs: 8 Satisfactory 9 Unsatisfactory 9 Unsatisfactory 9 Unsatisfactory 9 Onsatisfactory 9 Onsatisfactory 9 Onsatisfactory 9 Table 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) 58e. Comments: (No Response) 59e. C		57,500.00 - El la contrata de la contrata en la contrata de
Interior Stairs (S) 78. Interior Stairs (S) 78. Interior Stairs (S) 78. No 78a. Overall condition of interior stairs: 78b. Overall condition of interior stairs: 85455555555555555555555555555555555555		77f. Comments:
78. Interior Stairs (S)   Yes   No     78. Overall condition of interior stairs:   Excellent   Satisfactory   Unsatisfactory   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)   Elevator, Lifts and Escalators (H)   79. Elevator, Lift, and Escalators (H)		ADA levers.
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)         79. Elevator, Lifts and Escalators (H)         Yes	Interior S	tairs (S)
No   78a. Overall condition of interior stairs:   Bixcellent   Satisfactory   Unsatisfactory   Unsatisfactory   Koo-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, Lift, and Escalators (H)   Yes	78.	Interior Stairs (S)
<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> <li>78b. Year of Last Major Reconstruction/Replacement:</li> <li>1959</li> <li>78c. Expected Remaining Useful Life (Years):</li> <li>10</li> <li>78d. Cost to Reconstruct/Replace \$:</li> <li>(No Response)</li> <li>78e. Comments:</li> <li>(No Response)</li> <li>Elevator, Lifts and Escalators (H)</li> <li>Yes</li> </ul>		
<ul> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> <li>78b. Year of Last Major Reconstruction/Replacement:</li> <li>1959</li> <li>78c. Expected Remaining Useful Life (Years):</li> <li>10</li> <li>78d. Cost to Reconstruct/Replace \$:</li> <li>(No Response)</li> <li>78e. Comments:</li> <li>(No Response)</li> <li>Elevator, Lifts and Escalators (H)</li> <li>Yes</li> </ul>		78a. Overall condition of interior stairs:
<ul> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> <li>78b. Year of Last Major Reconstruction/Replacement:</li> <li>1959</li> <li>78c. Expected Remaining Useful Life (Years):</li> <li>10</li> <li>78d. Cost to Reconstruct/Replace \$:</li> <li>(No Response)</li> <li>78e. Comments:</li> <li>(No Response)</li> <li>Elevator, Lifts and Escalators (H)</li> <li>9 Yes</li> </ul>		에는 것 같은 것 같
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)   9   9		
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		,一般,我们还有了我们最后期,你们还是你把我们的你,你们就是我们的你的你的?""你们你就是你,你们的你们,你们还是你的?""你你就有你的你?""你们你想,你们就是
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)		🗖 n Critical Failure
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) $\Box$ Yes		78b. Year of Last Major Reconstruction/Replacement:
10 78d. Cost to Reconstruct/Replace \$: (No Response) 78e. Comments: (No Response) Elevator, Lifts and Escalators (H) 79. Elevator, Lift, and Escalators (H) □ Yes		1959 · · · · · · · · · · · · · · · · · ·
78d. Cost to Reconstruct/Replace \$: (No Response) 78e. Comments: (No Response) Elevator, Lifts and Escalators (H) 79. Elevator, Lift, and Escalators (H) □ Yes		78c. Expected Remaining Useful Life (Years):
(No Response) <b>78e. Comments:</b> (No Response) <b>Elevator, Lifts and Escalators (H)</b> <b>79. Elevator, Lift, and Escalators (H)</b> <b>Q</b> Yes		10
78e. Comments: (No Response) Elevator, Lifts and Escalators (H) 79. Elevator, Lift, and Escalators (H) Yes		78d. Cost to Reconstruct/Replace \$:
(No Response) Elevator, Lifts and Escalators (H) 79. Elevator, Lift, and Escalators (H) □ Yes		(No Response)
Elevator, Lifts and Escalators (H) 79. Elevator, Lift, and Escalators (H) □ Yes		78e. Comments:
79. Elevator, Lift, and Escalators (H)		(No Response)
□ Yes	Elevator,	Lifts and Escalators (H)
	79.	Elevator, Lift, and Escalators (H)
	Z	No

Interior Electrical Distribution (H)

## 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Interior Spaces

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80.	Interior	Electrical	<b>Distribution</b>	(H
~~.			DIGHTDGHQTT	

```
☑ Yes
```

No 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):

80e. Cost to Reconstruct/Replace \$:

220000

80f. Comments:

0.66656666666666666

Distribution is original Frank Adams.

#### **Lighting Fixtures**

81. Interior Lighting Fixtures

2 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)

## 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Interior Spaces

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	ation Systems (H)
82.	Communication Systems (H)
₽ Y □ N	es o
	82a. Communication systems are adequate:
	□ Yes 2 No
	82b. Condition of communication systems:
	<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>
	82c. Year of Last Major Reconstruction/Replacement:
	1959
	82d. Expected Remaining Useful Life (Years):
	<ul> <li>O service statistical statisticas statistical statist</li></ul>
	82e. Cost to Replace/Reconstruct \$:
	e en la construction de la construction 95000 în la construction de la const 1950 în la construction de la const
	82f. Comments:
	Building does not have paging system.
Swimming	Pool and Swimming Pool Systems
83.	Swimming Pool and Swimming Pool Systems
U Ye	

### 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
- D 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)

2 Yes

🗆 No

- 85a. Types of pipes (check all that apply):
- ☑ Iron
- Galvanized
- Copper
- □ Lead
- D 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:

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):

 $\square$  . Oil  $\square$  . The second se

- 🗹 🛛 Natural Gas
- Electricity
- Propane
- □ Other

#### 86b. Overall condition of hot water heaters:

🗖 Excellent og statistister for at her statister for a statiste

- ☑ Satisfactory
- Unsatisfactory
- Non-FunctioningCritical 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

### 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:

1959

#### 87c. Expected Remaining Useful Life (Years):

 $\mathbf{0}$ 

#### 87d. Cost to Reconstruct/Replace \$:

150,000.00

#### 87e. Comments:

Replace all original fixtures.

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## 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 89a. Heat generation source (check all that apply): D Boiler / Hot Water D 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)

## 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

HVAC Systems

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```
90. Heating Fuel / Energy Systems (H)
```

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		es	
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1000	- 18 A		
	N	lo i	÷.
			· ·

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 - Alexandra Barris, and a start of the start of th

#### 93c. Expected Remaining Useful Life (Years):

 $\mathbf{0}$  and  $\mathbf{0}$  is the set of the set of

#### 93d. Cost to Reconstruct/Replace \$:

#### 93e. Comments:

```
Replace original piping - 281,000
Replace original terminal units - 100,000
```

#### **Ducted Heating and Cooling Distrbution Systems**

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

Yes

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):

## 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

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
- D 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 Survey

Fire Safety Systems

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#### **Fire Safety Systems**

### 96. Fire Alarm Systems (H) ☑ Yes D 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) 2 Yes D 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 Survey

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:

- 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?

🗋 No statut sha sa sha sa she basa sa she sa sa she sa sa she sa	

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:	
Cood	
Pair Poor	
104b. Comments:	
(No Response)	
105. Cleanliness	
105a. Overall Rating:	
□ 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	
<ul> <li>No best of the second s</li></ul>	
108a. Types of lighting in general purpose classrooms (check all that apply):	
Daylight Status Sta	
□ Flourescent-not full spectrum	
<ul> <li>□ Flourescent full spectrum</li> <li>☑ Incandescent</li> </ul>	
□ Other (describe)	
108b. Are there blinds in the classroom to prevent glare?	
Z Yes	
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 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

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112d. Is accumulated dirt, dust or debris in ductwork?	
<ul> <li>✓ Yes</li> <li>□ No</li> </ul>	
112e. Are dampers functioning as designed?	
<ul> <li>Yes</li> <li>No</li> </ul>	
112f. Condition of air filters:	
□ Good ☑ Fair □ Poor	
112g. Outside air is adequate for occupant load:	
<ul> <li>✓ Yes</li> <li>□ No</li> </ul>	
112h. Rating of ventilation/indoor air quality:	
<ul> <li>□ Good</li> <li>2 Fair</li> <li>□ Poor</li> </ul>	
112i. Comments:	
(No Response)	•
113. Indoor Air Quality (IAQ) Plan	
113a. Does the school district use EPA's Tools for Schools program?	
113a. Does the school district use EPA's Tools for Schools program? □ Yes ☑ No	
Yes	
☐ Yes ☑ No	
<ul> <li>Yes</li> <li>No</li> <li>113b. If No, is some other IAQ management plan used?</li> </ul>	
<ul> <li>Yes</li> <li>No</li> <li>113b. If No, is some other IAQ management plan used?</li> <li>Yes</li> </ul>	
<ul> <li>Yes</li> <li>No</li> <li>113b. If No, is some other IAQ management plan used?</li> <li>Yes</li> <li>No</li> </ul>	
<ul> <li>Yes</li> <li>No</li> <li>113b. If No, is some other IAQ management plan used?</li> <li>Yes</li> <li>No</li> <li>113c. Has the District assigned IAQ responsibilities to a designated individual?</li> <li>Yes</li> </ul>	
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<ul> <li>Yes</li> <li>No</li> <li>113b. If No, is some other IAQ management plan used?</li> <li>Yes</li> <li>No</li> <li>113c. Has the District assigned IAQ responsibilities to a designated individual?</li> <li>Yes</li> <li>No</li> <li>113c.1 If Yes, what is their job title?</li> </ul>	
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<ul> <li>Yes</li> <li>No</li> <li>113b. If No, is some other IAQ management plan used?</li> <li>Yes</li> <li>No</li> <li>113c. Has the District assigned IAQ responsibilities to a designated individual?</li> <li>Yes</li> <li>No</li> <li>113c.1 If Yes, what is their job title?</li> <li>Health and Safety Officer.</li> <li>114. Does the school practice IPM?</li> <li>Yes</li> </ul>	
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## 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?
- **Ves**
- 🗹 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)?

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
- ☑ №

#### 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-inplace 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. <u>Electrical/Technology System Items:</u>

- 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

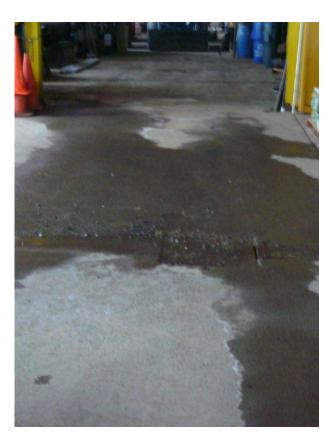






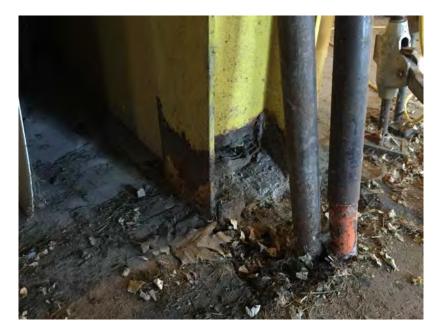


Maint. Facility – Replace flooring



Maint. Facility – Coat bay floors





Maint. Facility – Repair column bases



Maint. Facility – Repair column bases



102 West Division St, Suite 400 Syracuse, NY 13204



(P) 315.476.1022 (F) 315 479 7573 www.appelosborne.com

# **Building Condition Survey Supplemental Information**

Marcellus CSD - Maintenance Facility Project: SEI Design Group Architect: 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: Budget Line Item Number: \$5,000 (44)

Item Description:

Replace storm structure on southwest corner of building

Photograph Number: З Budget Line Item Number: \$50,000 (42)

Item Description:

Check roof drain connections and replace if necessary

102 West Division St, Suite 400 Syracuse, NY 13204



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# **Building Condition Survey Supplemental Information**

Project:Marcellus CSD - Maintenance FacilityArchitect:SEI Design GroupDate of Visit:5-5-2016Participants: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:4Budget 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:5Budget 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 Survey

ļ.

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:	
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:	. Andreas and a state of the second
Marcellus	
8. Zip Code:	ana ang ang ang ang ang ang ang ang ang
13108	
9. Certificate of Occupancy Status:	n all share the treat of the second
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	
1940 <sup>subject</sup> of the second	ta la companya di su la Companya di su di su Companya di su d
12. Gross square ft. of Building as currently configured:	en [New Ste
11,100	
13. Number of Floors:	
14. How many full-time and part-time custodians are employed at the school (or work in the build	ing)?

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

**Building Information** 

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	Count Employees
Full-time custodians:	2
Part-time custodians:	O
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	o

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
- G Stairwell
- □ Storage space
- Other (please describe)
- None
- 19. Grades Housed:
- 0

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Building 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

⊔ Yes ☑ No

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Program Spaces

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#### **Program Spaces**

25. Gross square footage of all instructional classrooms (combined):   000   26. Other spaces provided: (check all that apply)     27. Pathology   28. Scheme Labs   29. Overall building rating (to be answered after the building inspection is complete)   29. Overall building rating (to be answered after the building inspection is complete)   29. Overall building rating (to be answered after consultation with health and safety committee?   29. Overall building rating established after consultation with health and safety committee?   30. Was overall building rating established after consultation with health and safety committee?	0	
26. Other spaces provided: (check all that apply)  26. Other spaces provided: (check all that apply)  27. Rating of space adequacy: 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)  29. Overall building rating (to be answered after the building inspection is complete)  29. Overall building rating established after consultation with health and safety committee?  20. Was overall building rating established after consultation with health and safety committee?  29. Yea	25. Gross square footage of	f all instructional classrooms (combined):
26. Other spaces provided: (check all that apply)   27. Rating of space adequacy:   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)   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)   29. Overall building rating (stabilished after consultation with health and safety committee?   20. Overall building rating established after consultation with health and safety committee?   30. Was overall building rating established after consultation with health and safety committee?		
a. NA (non)   b. Administration b. Kinon & Careers c. Second Labs   c. Art i. Kichen u. Special Education   d. Audio Visual m. Large Group Instruction v. Syminning Pool   c. At and indupropose Rooms v. Technology/Shop   c. Art i. Kichen v. Special Education   d. Audio Visual m. Large Group Instruction v. Syminning Pool   c. Art o. Multipurpose Rooms v. Technology/Shop   c. Steries o. Multipurpose Rooms v. Technology/Shop   d. Cateficisia o. Multipurpose Rooms v. Technology/Shop   e. Actequacy f. Cateficisia v. Multipurpose Rooms   z. Cares v. Other (please describe)   i. Cymnistum r. Remedial Rooms   26y. Describe other spaces (No Response)  e Addequacy 27. Rating of space adequacy: Good 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) \$ satisfactory Drastificatory Poor 30. Was overall building rating established after consultation with health and safety committee? Yes No		
a diministration b diministration c	26. Other spaces provided:	(check all that apply)
a diministration b diministration c	🗖 e N/A (none)	
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<pre></pre>	d. Audio Visual	
a Cafeteria	🗖 e. Auditorium	
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26y. Describe other spaces (No Response)         a 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)         9. 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         No	h. Guidance	🗖 q. Pre-K
(No Response) e Adequacy 27. Rating of space adequacy: Good Pair Poor 27a. Enter comments: (No Response) 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 Overall building rating established after consultation with health and safety committee? Yes No	🗖 i. Gymnasium	🗖 r. Remedial Rooms
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<ul> <li>a Adequacy</li> <li>27. Rating of space adequacy: <ul> <li>Good</li> <li>Pair</li> <li>Poor</li> </ul> </li> <li>27a. Enter comments: <ul> <li>(No Response)</li> </ul> </li> <li>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) \$ <ul> <li>100,000.00</li> </ul> </li> <li>29. Overall building rating (to be answered after the building inspection is complete) <ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Foor</li> </ul> </li> <li>30. Was overall building rating established after consultation with health and safety committee? <ul> <li>Yes</li> <li>No</li> </ul> </li> </ul>		
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<ul> <li>100,000.00</li> <li>29. Overall building rating (to be answered after the building inspection is complete)</li> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Poor</li> <li>30. Was overall building rating established after consultation with health and safety committee?</li> <li>Yes</li> <li>No</li> </ul>	<ul> <li>27. Rating of space adequate</li> <li>Good</li> <li>Fair</li> <li>Poor</li> <li>27a. Enter comments:</li> </ul>	
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<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Poor</li> <li>30. Was overall building rating established after consultation with health and safety committee?</li> <li>Yes</li> <li>No</li> </ul>	<ul> <li>27. Rating of space adequate</li> <li>Good</li> <li>Fair</li> <li>Poor</li> <li>27a. Enter comments: (No Response)</li> <li>28. Estimated capital construction</li> </ul>	ruction expenses anticipated for this building through 2020-2021 school year
<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Poor</li> <li>30. Was overall building rating established after consultation with health and safety committee?</li> <li>Yes</li> <li>No</li> </ul>	<ul> <li>27. Rating of space adequate</li> <li>Good</li> <li>Fair</li> <li>Poor</li> <li>27a. Enter comments: (No Response)</li> <li>28. Estimated capital constr excluding maintenance (to be</li> </ul>	ruction expenses anticipated for this building through 2020-2021 school year
<ul> <li>Unsatisfactory</li> <li>Poor</li> <li>30. Was overall building rating established after consultation with health and safety committee?</li> <li>Yes</li> <li>No</li> </ul>	<ul> <li>27. Rating of space adequate</li> <li>Good</li> <li>Fair</li> <li>Poor</li> <li>27a. Enter comments: (No Response)</li> <li>28. Estimated capital constreexcluding maintenance (to be 100,000.00</li> </ul>	ruction expenses anticipated for this building through 2020-2021 school year e answered after the building inspection is complete) \$
<ul> <li>Unsatisfactory</li> <li>Poor</li> <li>30. Was overall building rating established after consultation with health and safety committee?</li> <li>Yes</li> <li>No</li> </ul>	<ul> <li>27. Rating of space adequate</li> <li>Good</li> <li>Fair</li> <li>Poor</li> <li>27a. Enter comments: (No Response)</li> <li>28. Estimated capital constreexcluding maintenance (to be 100,000.00</li> <li>29. Overall building rating (to be set the set the</li></ul>	ruction expenses anticipated for this building through 2020-2021 school year e answered after the building inspection is complete) \$
<ul> <li>Poor</li> <li>30. Was overall building rating established after consultation with health and safety committee?</li> <li>Yes</li> <li>No</li> </ul>	<ul> <li>27. Rating of space adequate</li> <li>Good</li> <li>Fair</li> <li>Poor</li> <li>27a. Enter comments: (No Response)</li> <li>28. Estimated capital construction excluding maintenance (to be 100,000.00</li> <li>29. Overall building rating (to be 100,000.00)</li> </ul>	ruction expenses anticipated for this building through 2020-2021 school year e answered after the building inspection is complete) \$
<ul> <li>☑ Yes</li> <li>□ No</li> <li>nformation:</li> </ul>	<ul> <li>27. Rating of space adequate</li> <li>Good</li> <li>Fair</li> <li>Poor</li> <li>27a. Enter comments: (No Response)</li> <li>28. Estimated capital constreexcluding maintenance (to be 100,000.00</li> <li>29. Overall building rating (to Excellent</li> <li>Satisfactory</li> </ul>	ruction expenses anticipated for this building through 2020-2021 school year e answered after the building inspection is complete) \$
<ul> <li>☑ Yes</li> <li>□ No</li> <li>nformation:</li> </ul>	<ul> <li>27. Rating of space adequate</li> <li>Good</li> <li>Fair</li> <li>Poor</li> <li>27a. Enter comments: (No Response)</li> <li>28. Estimated capital constreexcluding maintenance (to be 100,000.00</li> <li>29. Overall building rating (to Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Unsatisfactory</li> </ul>	ruction expenses anticipated for this building through 2020-2021 school year e answered after the building inspection is complete) \$
ດ No nformation:	<ul> <li>27. Rating of space adequate</li> <li>Good</li> <li>Fair</li> <li>Poor</li> <li>27a. Enter comments: (No Response)</li> <li>28. Estimated capital constreexcluding maintenance (to be 100,000.00)</li> <li>29. Overall building rating (to Bxcellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Poor</li> </ul>	ruction expenses anticipated for this building through 2020-2021 school year answered after the building inspection is complete) \$ to be answered after the building inspection is complete)
nformation:	<ul> <li>27. Rating of space adequate</li> <li>Good</li> <li>Fair</li> <li>Poor</li> <li>27a. Enter comments: (No Response)</li> <li>28. Estimated capital constreexcluding maintenance (to be 100,000.00</li> <li>29. Overall building rating (to Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Poor</li> <li>30. Was overall building ratio</li> </ul>	ruction expenses anticipated for this building through 2020-2021 school year answered after the building inspection is complete) \$ to be answered after the building inspection is complete)
	<ul> <li>27. Rating of space adequate</li> <li>Good</li> <li>Fair</li> <li>Poor</li> <li>27a. Enter comments: (No Response)</li> <li>28. Estimated capital constreexcluding maintenance (to be 100,000.00</li> <li>29. Overall building rating (t</li> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Poor</li> <li>30. Was overall building rati</li> <li>Yes</li> </ul>	ruction expenses anticipated for this building through 2020-2021 school year answered after the building inspection is complete) \$ to be answered after the building inspection is complete)
	<ul> <li>27. Rating of space adequate</li> <li>Good</li> <li>Fair</li> <li>Poor</li> <li>27a. Enter comments: (No Response)</li> <li>28. Estimated capital constreexcluding maintenance (to be 100,000.00</li> <li>29. Overall building rating (to Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Poor</li> <li>30. Was overall building ration of the second secon</li></ul>	ruction expenses anticipated for this building through 2020-2021 school year answered after the building inspection is complete) \$ to be answered after the building inspection is complete)
SEI Design Group Architects, DPC	<ul> <li>27. Rating of space adequate</li> <li>Good</li> <li>Fair</li> <li>Poor</li> <li>27a. Enter comments: (No Response)</li> <li>28. Estimated capital constreexcluding maintenance (to be 100,000.00</li> <li>29. Overall building rating (t</li> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Poor</li> <li>30. Was overall building ratified or set of the set of</li></ul>	ruction expenses anticipated for this building through 2020-2021 school year answered after the building inspection is complete) \$ to be answered after the building inspection is complete)

# 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**

Ounces		
37. Water		
Yes		
D No		
37a. Type of Service:		
Municipal or Utility provided     Well     Other		
37b. Condition:		
<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>		
37c. Year of Last Major Reconstruction/Replacement:		
1958 - Andrew Brits, and an and an and an and an and an	a a sa na na sa	
37d. Expected Remaining Useful Life (Years):		
0 = 0 = 0		
37e. Cost to Reconstruct/Replace \$:		
40,000.00 - 0.00		
37f. Comments:		
Replace from building to main in street, relocate water meter from pit to inde	oors.	
38. Site Sanitary (H)		
<ul> <li>Yes</li> </ul>		
38a. Type of Service:		
<ul> <li>Municipal or utility sewer</li> <li>Site septic</li> <li>Other</li> </ul>		
38b. Condition:		
Excellent		
☑ Satisfactory		
<ul> <li>Unsatisfactory</li> <li>Non-Functioning</li> </ul>		
Critical Failure		
38c. Year of Last Major Reconstruction/Replacement:		
1958		
38d. Expected Remaining Useful Life (Years):		

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Site Utilities

Page Last Modified: 06/07/2016 38e. Cost to reconstruct/Replace \$: (No Response) 38f. Comments: (No Response) Site Gas (H) 39. 🛛 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
- D 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:	
	<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>	
	41d. Year of Last Major Reconstruction/Replacement:	
	1998 A Constant of the State of State o	
	41e. Expected Remaining Useful Life (Years):	
	41f. Cost to Reconstruct/Replace \$:	
	(No Response)	
	41g. Comments:	
	(No Response) All Contract of Bubble Babble Babb	
	stor Managoment	
	iter Management Closed Drainage Rine Stormwater Management System	
	iter Management .    Closed Drainage Pipe Stormwater Management System	
	-	
	Closed Drainage Pipe Stormwater Management System	
42. 2	Closed Drainage Pipe Stormwater Management System     42a. Does this facility have a closed pipe system?     Yes	
42. 2	<ul> <li>Closed Drainage Pipe Stormwater Management System</li> <li>42a. Does this facility have a closed pipe system?</li> <li>Yes</li> <li>No</li> <li>42b. Condition:</li> <li>Excellent</li> </ul>	
42. 2	<ul> <li>Closed Drainage Pipe Stormwater Management System</li> <li>42a. Does this facility have a closed pipe system?</li> <li>Yes</li> <li>Yes</li> <li>No</li> <li>42b. Condition:</li> <li>Excellent</li> <li>Satisfactory</li> </ul>	
42. 2	<ul> <li>Closed Drainage Pipe Stormwater Management System</li> <li>42a. Does this facility have a closed pipe system?</li> <li>Yes</li> <li>No</li> <li>42b. Condition:</li> <li>Excellent</li> </ul>	
42. 2	<ul> <li>Closed Drainage Pipe Stormwater Management System?</li> <li>42a. Does this facility have a closed pipe system?</li> <li>Yes</li> <li>No</li> <li>42b. Condition:</li> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Pailure</li> </ul>	
42. 2	42a. Does this facility have a closed pipe system?         Yes         No         42b. Condition:         Excellent         Satisfactory         Unsatisfactory         Non-Functioning	
42. 2	<ul> <li>Closed Drainage Pipe Stormwater Management System?</li> <li>42a. Does this facility have a closed pipe system?</li> <li>Yes</li> <li>No</li> <li>42b. Condition:</li> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Pailure</li> </ul>	
42. 2	Closed Drainage Pipe Stormwater Management System  42a. Does this facility have a closed pipe system?  Yes  Yes  A2b. Condition:  Excellent  Satisfactory  Unsatisfactory  Unsatisfactory  Critical Failure  42c. Year of Last Major Reconstruction/Replacement:	
42. 2	<ul> <li>Closed Drainage Pipe Stormwater Management System?</li> <li>42a. Does this facility have a closed pipe system?</li> <li>Yes</li> <li>Yes</li> <li>No</li> <li>42b. Condition:</li> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> <li>42c. Year of Last Major Reconstruction/Replacement:</li> <li>1940</li> </ul>	
42. 2	<ul> <li>Closed Drainage Pipe Stormwater Management System?</li> <li>42a. Does this facility have a closed pipe system?</li> <li>Yes</li> <li>Yes</li> <li>No</li> <li>42b. Condition:</li> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> <li>42c. Year of Last Major Reconstruction/Replacement:</li> <li>1940</li> <li>42d. Expected Remaining Useful Life (Years):</li> </ul>	
42. 2	<ul> <li>Closed Drainage Pipe Stormwater Management System</li> <li>42a. Does this facility have a closed pipe system?</li> <li>Yes</li> <li>Yes</li> <li>No</li> <li>42b. Condition: <ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Unsatisfactory</li> <li>Critical Failure</li> </ul> </li> <li>42c. Year of Last Major Reconstruction/Replacement: <ul> <li>1940</li> <li>42d. Expected Remaining Useful Life (Years):</li> <li>5</li> </ul> </li> </ul>	
42. 2	<ul> <li>Closed Drainage Pipe Stormwater Management System</li> <li>42a. Does this facility have a closed pipe system?</li> <li>Yes</li> <li>Ves</li> <li>42b. Condition:</li> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Unsatisfactory</li> <li>Onn-Functioning</li> <li>Critical Failure</li> <li>42c. Year of Last Major Reconstruction/Replacement:</li> <li>1940</li> <li>42d. Expected Remaining Useful Life (Years):</li> <li>5</li> <li>42e. Cost to Reconstruct/Replace \$:</li> </ul>	

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Site Utilities

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ر ناریخی	43a. Does this facility have an open stormwater system (ditch)?
1999	Yes No
44.	Catch Basins/Drop Inlets/Manholes
	44a. Does this facility have catch basins/drop inlets/manholes?
14,222	Yes No
	44b. Condition:
	<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>
	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:
	Benefic for the second successful and the constant of second successful and by second to the second second successful and the Replace structure on southwest corner of building.
45.	Culverts
	45a. Does this facility have culverts?
	Yes
2	Νο
46.	Outfalls
	46a. Does this facility have outfalls?
$\square$	Νο

47a. Does this facility have infiltration basins/chambers?

🛛 Yes

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Site Utilities

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#### 48. Retention Basins

48a. Does this facility have retention basins?

<ul> <li>Yes</li> <li>☑ No</li> </ul>	
49. Wetponds	
49a. Does this facility have wetponds?	
<ul> <li>Yes</li> <li>No</li> </ul>	
50. Manufactured Stormwater Proprietary Units	
50a. Does this facility have proprietary units?	
□ Yes ☑ No	
51. Point of Outfall Discharge: (check all that apply)	
<ul> <li>Municipal storm sewer system</li> <li>Combined sewer system</li> <li>Surface Water</li> <li>On-site recharge</li> <li>Other (describe)</li> <li>Not Applicable</li> </ul>	
52. Outfall Reconnaissance Inventory Were all stormwater outfalls inspected during dry weather for signs of non-sto	rmwater discharge?
✓ Yes	

- 🗆 No
- Not Applicable

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Other

Page

#### Othe

Site Features			0	
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er Site Features				
53. Pavement (Roadv	vays and Parking Lots	) An an an Anna an Antonin an		RENEWLA DESERT
<ul><li>☑ Yes</li><li>□ No</li></ul>				
53a. Type: (che	ck all that apply)	e a las electricites de la company		
<ul> <li>Concrete</li> <li>Asphalt</li> <li>Gravel</li> <li>Other</li> <li>None</li> </ul>				
53b. Condition:				
<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functionin</li> <li>Critical Failure</li> </ul>	g			
53c. Year of Las 2010	st Major Reconstructio	n/Replacement:		
		<b>N</b> ()-		
<b>536. Expected 1</b> 15	Remaining Useful Life	(Tears):		
53e. Cost to Re	construct/Replace \$:		an an an an an an an an Araba	
(No Response)				동물만 이 가 있는 
53f. Comments (No Response)	: Avgenska orak a	na spirivital ( see		ni d
54. Sidewalks				
☑ Yes □ No				1.1.1.1.1.1.1

54a. Type: (check all that apply)

Concrete

- Asphalt Paver
- D Other

54b. Condition:

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

54c. Year of Last Major Reconstruction/Replacement:

1940

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Other Site Features

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54d. Expected Remaining Useful Life (Years):	
54e. Cost to Reconstruct/Replace \$: (No Response)	
54f. Comments: (No Response) the second s	
55. Playgrounds and Playground Equipment	
No additional	
<ul> <li>56. Athletic Fields and Play Fields</li> <li>□ Yes</li> <li>☑ No</li> </ul>	
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 Wall	s, etc.)

- □ Yes
- 🛛 No

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

#### 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
- D 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)

# 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
- D 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)

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

**Building Envelope** 

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#### 61. Exterior Walls/Columns (S)

#### 61a. Material (check all that apply):

- Concrete
- Masonry
- ☐ Steel
- U 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.

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Building Envelope

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62. Chimneys (S) ☑ Yes D No 62a. Material (check all that apply): Masonry Concrete Metal U 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) Parapets (S) 63. Yes No 63f. Comments: (No Response) 64. Exterior Doors 64a. Overall Condition of Exterior Door Units: □ Excellent Satisfactory Unsatisfactory Non-Functioning Critical Failure

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Building Envelope

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64b. Overall condition of exterior door har	dware:	an ta da ser an anti-ta da ta da ta	a ta sulta isa
<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>			
64c. Do any exterior doors have magnetic	locking devices?		·
□ Yes ☑ No			
64d. Safety/Security features are adequate	e?		
☑ Yes □ No			·.
64e. Year of Last Major Reconstruction/Re 1983	eplacement:		
64f. Expected Remaining Useful Life (Yea 5	rs):		
64g. Cost to Reconstruct/Replace \$: 11,000.00			
64h. Comments: Replace main doors.			11 - 14 11 - 14
Exterior Steps, Stairs, Ramps (S) Yes No			
Fire Escapes (S)			
66a. Does This Facility Have One or More Fin Yes No	re Escapes?		
Windows Yes			
No			

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

- 🛛 Aluminum
- 🗹 Steel
- Vinyl
- □ Solid Wood
- □ Wood w/ External Cladding System
- Other

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

**Building Envelope** 

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	67b. Overa	all Condition of Winde	ows:			
	<ul> <li>Bxcellent</li> <li>Satisfacto</li> <li>Unsatisfa</li> <li>Non-Fund</li> <li>Critical F</li> </ul>	ory Ictory Ctioning				
	67c. All Re	escue Windows are O	perable:			
	□ Yes □ No □ N/A					
	67d. Year	of Last Major Recons	truction/Replac	ement:		
	1958	· · · · . · .	11. 1	8 - 1 - 1 - 1		
	67e. Exped	cted Remaining Usefu	I Life (Years):			
	0		an markan si Nasa	a sa sa Qubaba.		
	67f. Cost t	o Reconstruct/Replac	ce \$:			
	110,000.00		na serie de la composición de la compos La composición de la c			
	67g. Comr	nents:				
	(No Response	) i ne hindeler hindeler e	en an		a af a tag statement	
Roof and S	kylights (S	)				
68.	Roof and Sk	ylights (S)				
⊠ Ye □ No						
	68a. Type	of roof construction (	check all that a	pply):		
	<ul><li>□ Wood dea</li><li>□ Wood dea</li><li>□ Wood dea</li><li>□ Concrete</li></ul>	ck on metal trusses/joists ck on wood trusses/joists ck on metal trusses/joists on metal deck on metal trus sscribe below)	sses/joists			
	68a	1.1 Other roof constru	uction type:			
	(No Response	)				
	68b. T	ype of roofing materi	al (check all tha	t apply):		
	<ul> <li>Built-up</li> <li>Asphalt s.</li> <li>Pre-forme</li> <li>IRMA</li> <li>Slate</li> </ul>					
	68	b.1 Other roofing ma	iterial:			

(No Response)

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Building Envelope

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MARCELLUS CSD

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):

- D 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)

# **MARCELLUS CSD** 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

**Building Envelope** 

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68i. Overall Condition of Roof and Skylights:

- D Excellent
- ☑ Satisfactory
- Unsatisfactory
- □ Non-Functioning
- □ Critical Failure

68j. Year of Last Major Reconstruction/Replacement:

1954

68k. Expected Remaining Useful Life (Years):

0

68I. Cost to Reconstruct/Replace \$:

170,000.00

68m. Comments:

(No Response)

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

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:
	<b>Excellent</b>
	☑ Satisfactory
	Unsatisfactory
	<ul> <li>Non-functioning</li> <li>Critical Failure</li> </ul>
	69b. Year of Last Major Reconstruction/Replacement:
	n sense in the second secon 1958
	69c. Expected Remaining Useful Life (Years):
	10
	69d. Cost to Reconstruct/Replace \$:
	(No Response)
	69e. Comments:
	(No Response)
Other Inte	erior Walls
70.	Other Interior Walls
	Yes No
	70a. Overall condition of other interior walls:
	□ Bxcellent
	Satisfactory
	□ 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** 

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Interior Spaces Page Last Modified: 06/05/2016 71. Carpet □ Yes No 72. Resilient Tiles or Sheet Flooring ☑ Yes D 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)

7 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

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Interior Spaces

Ceilings

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73d. Expected Re	maining Useful Life (Years):
0	
73e. Cost to Recc 38,000.00	onstruct/Replace \$:
73f. Comments: (No Response)	
74. Wood Flooring □ Yes □ No	
gs (H) 75. Ceilings (H) ☑ Ycs □ 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

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Interior Spaces

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77	. Interior Doors		
	Yes		
	en e d'ante de la company	tion of interior door units:	
	<ul> <li>Excellent</li> <li>Satisfactory</li> </ul>		
	Unsatisfactory		
	<ul><li>Non-Functioning</li><li>Critical Failure</li></ul>	가운동물법문문문한 1997년 1월 19일 등 동안을 가장되었다. 1997년 - 전문문문문문문문문문문문문문문문문문문문문문	
	77b. Overall c	ondition of interior door hardware:	
	Excellent	and a state of the second s	
	Satisfactory		
	<ul> <li>Unsatisfactory</li> <li>Non-Functioning</li> </ul>		
	<ul> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>		
	77c. Year of Last M	fajor Reconstruction/Replacement:	I
	1958		
	77d. Expected Rer	naining Useful Life (Years):	
	Ör dan som som som som som		
	77e. Cost to Recor	nstruct/Replace \$:	
	9,000.00		
	77f. Comments:		
	(No Response)		
Interior S	Stairs (S)		
78	. Interior Stairs (S)		
	Yes		
	No		
Elevator	, Lifts and Escalator	s (H)	
79	. Elevator, Lift, and E	scalators (H)	
	Yes No		
	Electrical Distribution		
80		stribution (H)	
	Yes No		
	80a. Interior electr	ical supply meets current needs:	
	□ Yes		
	🗹 No		

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Interior Spaces

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	80b. Condition of interior electrical distrib	oution:		ang na ang na taing pangagan.
	<ul> <li>□ Excellent</li> <li>☑ Satisfactory</li> </ul>			
	<ul> <li>Unsatisfactory</li> <li>Non-Functioning</li> </ul>			
	Critical Failure	an baran bili Menyeker Baran baran d		Teologia e e
	80c. Year of Last Major Reconstruction/Re			
	1998			
	80d. Expected Remaining Useful Life (Yea	ars):		5. j.
	0			
	80e. Cost to Reconstruct/Replace \$:	· · · · · · · · · · · · ·	tora dava vento	
	20000	Alexandra Alexandra Alexandra Alexandra		a jina jin Ajarah
	80f. Comments:	e a esta de a totale de total à 1	ta kana ta ta ta ka sufit ka su su su	
	Branch circuit wiring should be replaced. Cloth cover	ed.		n in kwint
Lighting	Fixtures			
81.	Interior Lighting Fixtures			nging series indication
	Yes No			
	81a. Condition of interior lighting fixtures	: 		en e ton te finera
	<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>			
	81b. Year of Last Major Reconstruction/Re	eplacement:		
	1958			
	81c. Expected Remaining Useful Life (Yea	ars):		
	0			
	81d. Cost to Reconstruct/Replace \$:			
	50,000.00			
	81e. Comments:			
	Replace all lighting inside building.			
Commun	ication Systems (H)			
82.	Communication Systems (H)			
0	Yes No			
Swimmir	ng Pool and Swimming Pool Systems			

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Interior Spaces

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83. Swimming Pool and Swimming Pool Systems

人名布德斯斯特 化合理性物 法法律性的 化合物 化结构结构 法行政法法 法法律法律法律法 法法法 法法律法 法法律法 化乙基乙基乙基乙基乙基乙基乙基乙基乙基乙基乙基乙基乙基乙基乙基乙基乙基乙基乙基	
이 프로그램을 가지 않는 것 같아요. 그는 것은 것을 만들었다. 것은 것은 것은 것은 것은 것을 것을 수 있는 것을 것을 것을 수 있는 것을 것을 했다.	5 A.
🗆 🗖 la Váš je u state se televise state state se se se se substate se	- 47 C
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。""我就是我们就是你们的,我们的,我们的是我们就是你的,你们的你们的?""你们,你们的你们的你们,你们的你们的?""你们的你?""你们,你们不是你们的你,你们能能能	e Nava de la companya
그 프로그램 그는 일반 것 같아요. 그는 것 같아요. 것 같아요. 그는 것 같아요. 그는 것 같아요. 그는 것 같아요. 그는 것	
□ 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 the second seco
- At Manager and a second state of the control of the second se second sec

#### 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):

o O

#### 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

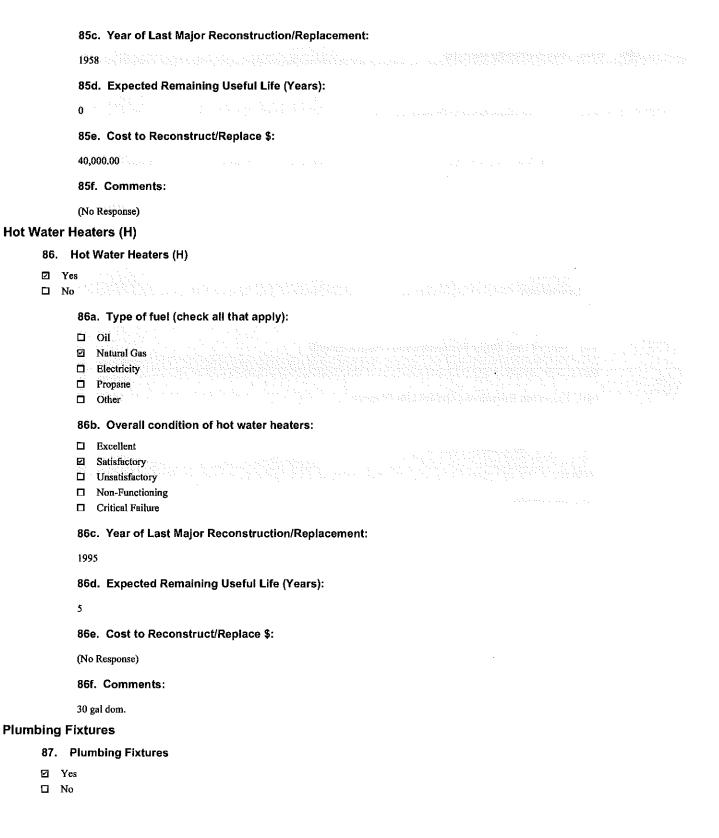
85b. Overall condition of drainage system:

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

## 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Plumbing (Excluding HVAC Systems)

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# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Plumbing (Excluding HVAC Systems)

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Excellent				
Satisfactory				
Unsatisfactory				
<ul> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>				
	jor Reconstruction/Replac	cement:	a di Nasa Bartini a	
1958				
87c. Expected Rema	ining Useful Life (Years):			
o se antiga de la composición de la composicinde de la composición de la composición de la composición				
87d. Cost to Recons	truct/Replace \$:	an an ann an Albert Anna an tharta an Anna an t	والمحاوية والمحاوي والمحاوي	
28,000.00	이 가방을 샀다. 이 가 가려요. 		· 아이는 말 말 다 알 ~	
87e. Comments:		an an an an an an an Anna an Anna an an an an		
Replace all fixtures.				

# 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):

- D 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)

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

**HVAC** Systems

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```
90. Heating Fuel / Energy Systems (H)
☑ Yes
D 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

#### AIR HANDLING AND VENTILATION EQUIPMENT

- 92. Air Handling and Ventilation Equipment: Supply Units, Exhaust Units, Relief/Return Units, etc. (H)
- ☑ Yes
- D No

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

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

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 D 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 Distrbution 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 Survey

Fire 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:

- **Bxcellent**
- 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?

Z 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 Good 🗹 Гаіг D Poor 104b. Comments: (No Response) 105. Cleanliness 105a. Overall Rating: Good Good 🖸 Fair D 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 □ Flourescent-not full spectrum Flourescent full spectrum  $\mathbf{P}$ Incandescent Other (describe) 108b. Are there blinds in the classroom to prevent glare?
  - ☑ Yes
  - 🛛 No

108c. Overall Rating:

- Good Good
- $\mathbf{z}$ 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

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Indoor Air Quality

Page L	.ast M	lodified: 06/08/2	016		
	112d	. Is accumulated	dirt, dust or debris in duct	work?	
	□ Y ☑ N				
			nctioning as designed?		
	ם Y עום				
	112f.	Condition of air	filters:		
	D F	ood air oor		e e e e e e e e e e e e e e e e e e e	
	112g	. Outside air is a	dequate for occupant load:		
	□ Y ☑ N	es o			salit dae
	11 <b>2</b> h	. Rating of ventil	ation/indoor air quality:		
		ood air oor		a a secondaria de activador a caracteria	
	112i.	Comments:			
		esponse)			
	113.	Indoor Air Qual	ity (IAQ) Plan		
	113a.	. Does the schoo	l district use EPA's Tools f	or Schools program?	
	□ Y ☑ N				
		113b. If No, is s	some other IAQ manageme	nt plan used?	
		☑ Yes □ No			
		113c. Has the I	District assigned IAQ respo	nsibilities to a designated indivi	dual?
		☑ Yes □ No			
		113c.1 If Yes, v	vhat is their job title?		
		Health and Safety C	fficer.		
	114.	Does the schoo	I practice IPM?		
	☑ Y □ N	es O			
		114a. Is vegeta	tion kept one foot away fro	m the building?	
		☑ Yes			
		$\square$ No			

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Indoor Air Quality

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·.	4b. Are crevices and holes in walls	s, floors and pavement sealed o	eliminated?	
	Yes No			
11	4c. Is there a certified pesticide ap	plicator on staff?		
	Yes			
11	4d. Are pesticides used in the buil	ding?		
	Yes No			t sont ver november 191
11	4d.1 If Yes, how are they typically	applied?		
	Spot treatment Area wide treatments			
11	4e. Are pesticides used on the gro	unds?		
	Yes No			
11	4e.1 If Yes, was an emergency exe	mption granted by the Board of	Education?	
	이 방법이 있는 것은 것은 것이 같은 것은 것을 가지 않는 것이 같이 많이 많이 많이 했다.			
	No			
	No bes the school have a passive rado	n mitigation system installed (wa	as built with radon resistant feature	s)?
		n mitigation system installed (wa	as built with radon resistant feature	<b>is)?</b>
5. Do Yes No			as built with radon resistant feature	es)?
5. Do Yes No	pes the school have a passive rado		as built with radon resistant feature	25)? 5
5. Do Yes No 11 2	bes the school have a passive rado 5a. Has the facility been tested for Yes No	the presence of radon?	가지 가지 않는 것이 있는 것이 있다. 가지 가지 않는 것이 있다. 이 것은 것이 있는 것이 있는 것이 있다. 이 것이 있 같이 같이 있다. 이 것이 있다. 이 것	<b>25)?</b> 
5. Do Yes No 11 2	bes the school have a passive rado 5a. Has the facility been tested for Yes	the presence of radon?	가지 가지 않는 것이 있는 것이 있다. 가지 가지 않는 것이 있다. 이 것은 것이 있는 것이 있는 것이 있다. 이 것이 있 같이 같이 있다. 이 것이 있다. 이 것	<b>is)?</b> State 1
5. Do Yes No 11 2 11 11 2	5a. Has the facility been tested for Yes No 5b. Were any of the results of the f Yes No	the presence of radon?	cocuries per liter (pCi/L)?	25)? 5
5. Do Yes No 11 2 11 11 2	5a. Has the facility been tested for Yes No 5b. Were any of the results of the f Yes	the presence of radon? test greater than or equal to 4 pions to mitigate the elevated radon	cocuries per liter (pCi/L)?	25)? 
5. Do Yes No 11 2 11 2 11 2 11 2 11 2 11 2 11 2 1	<ul> <li>5a. Has the facility been tested for Yes No</li> <li>5b. Were any of the results of the for Yes No</li> <li>5c. If Yes, did the school take step Yes, active mitigation system installed Yes, passive mitigation system made active Yes, ventilation controls (HVAC) adjusted Yes, other (describe) No action taken</li> </ul>	the presence of radon? test greater than or equal to 4 pictures to mitigate the elevated radon	cocuries per liter (pCi/L)? levels?	25)? 
5. Do Yes No 11 2 11 2 11 2 11 2 11 11	<ul> <li>5a. Has the facility been tested for Yes No</li> <li>5b. Were any of the results of the for Yes No</li> <li>5c. If Yes, did the school take step Yes, active mitigation system installed Yes, passive mitigation system made active Yes, ventilation controls (HVAC) adjusted Yes, other (describe)</li> </ul>	the presence of radon? test greater than or equal to 4 pictures to mitigate the elevated radon	cocuries per liter (pCi/L)? levels?	25)? 

11 \_\_\_\_\_ \_\_\_\_

# 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

#### **TRANSPORTATION FACILITY**

Year Constructed: 2006

Stories: 1

Building Area: 13,443 approximate GSF

Primary Occupancy: S – Storage

R

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. <u>Mechanical/Plumbing System Items:</u>

• Balance wash bay waste water.

#### 4. Electrical System Items:

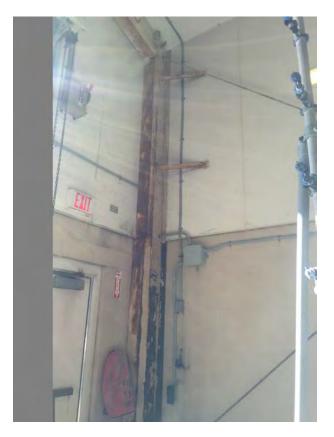
- Bolt transformer to pad.
- Add generator for emergency command center.



PHOTOS OF IDENTIFIED BCS AND FIVE YEAR PLAN ITEMS







Trans. Facility – Resolve corrosion in wash bay



Trans. Facility – Resolve corrosion in wash bay



102 West Division St, Suite 400 Syracuse, NY 13204



(P) 315.476.1022 (F) 315.479.7573 www.appelosborne.com

## **Building Condition Survey Supplemental Information**

Marcellus CSD - Transportation Project: SEI Design Group Architect: Date of Visit: <u>5-31-16</u> 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: Budget Line Item Number: \$15,000 (53)

Item Description:

Repair pot holes in asphalt drive (approx. 1,000 sf)

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

Item Description:

Replace damaged sections of concrete gutter (approx. 100 lf)

102 West Division St, Suite 400 Syracuse, NY 13204



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## **Building Condition Survey Supplemental Information**

Marcellus CSD - Transportation Project: SEI Design Group Architect: 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)

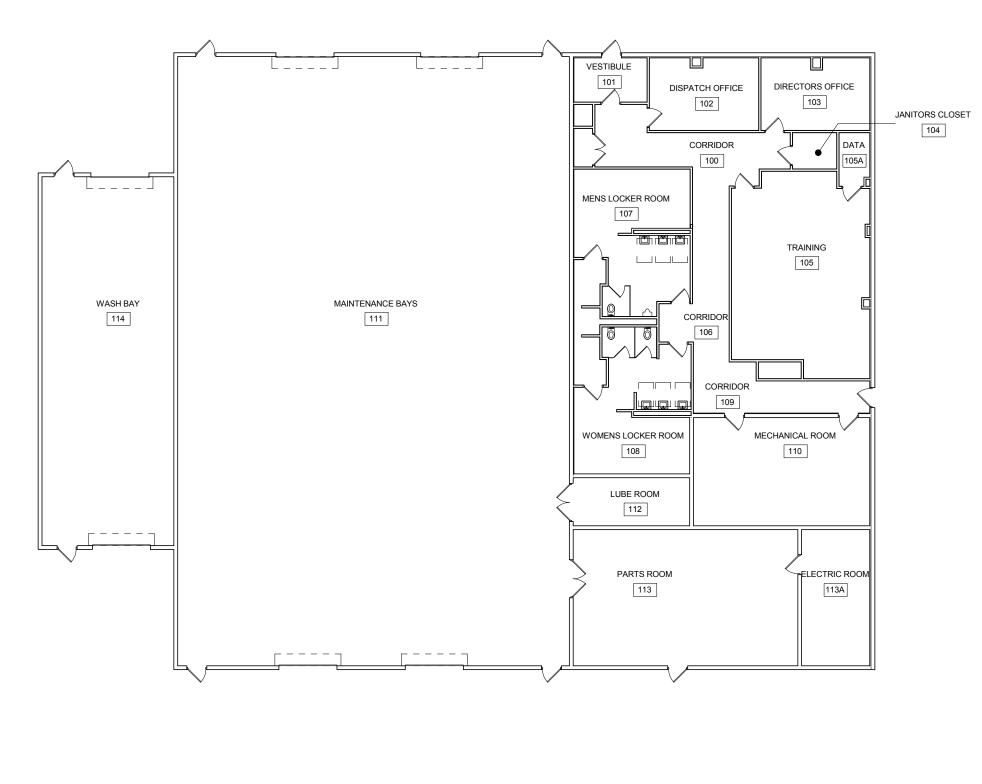
Item Description:

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



# **OVERALL FIRST FLOOR PLAN** 1

1/16" = 1'-0"

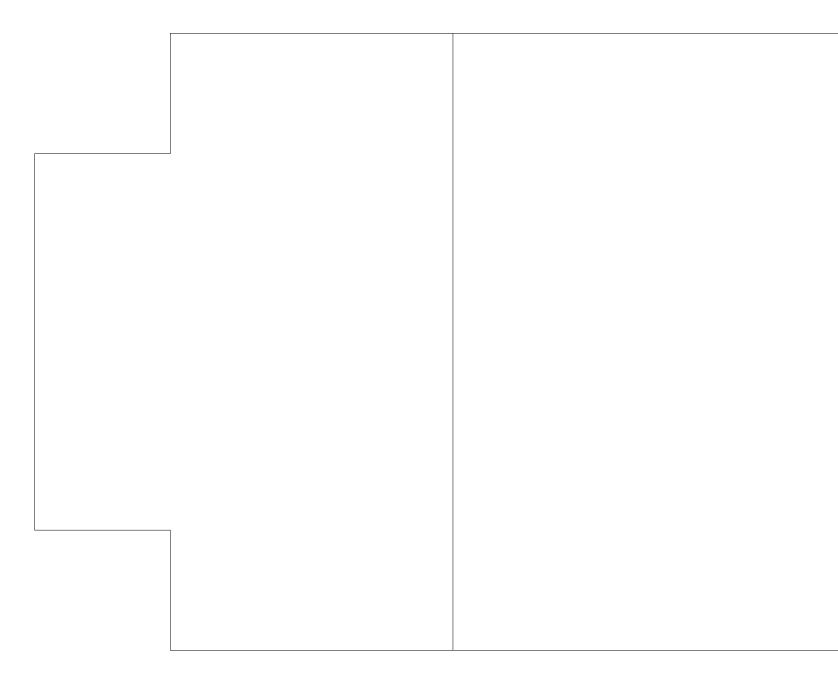


MARCELLUS CENTRAL SCHOOL DISTRICT

TRANSPORTATION FACILITY

**OVERALL FIRST FLOOR PLAN** 





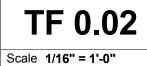


1/16" = 1'-0"

MARCELLUS CENTRAL SCHOOL DISTRICT

SEI design group TRANSPORTATION FACILITY

**OVERALL ROOF PLAN** 



## 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:

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
- П Т Тетрогагу
- □ N None

#### 10. Certificate of Occupancy Expiration Date:

03/01/2017

#### Building Age, Gross Square Footage and Maintenance Staff

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

Page Last Modified: 06/10/2016

	Count Employees
Full-time custodians:	<b>O</b>
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
  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)

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. 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 Survey

Building Information

Page Last Modified: 06/10/2016

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")
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

Page Last Modified: 06/08/2016

#### **Program Spaces**

Number of instructional classrooms: 24. 0 Gross square footage of all instructional classrooms (combined): 25. 0.00 Other spaces provided: (check all that apply) 26. □ j. Health Office s. Resource Rooms a. N/A (none) Ø t. Science Labs □ k. Home & Careers b. Administration u. Special Education □ 1. Kitchen c. Art m. Large Group Instruction **v**. Swimming Pool d. Audio Visual w. Teacher Resource n. Library e. Auditorium □ x. Technology/Shop f. Cafeteria o. Multipurpose Rooms y. Other (please describe) Ď g. Computer Room p. Music q. Pre-K. h. Guidance r, Remedial Rooms i. Gymnasium

#### 26y. Describe other spaces

(No Response)

#### Space Adequacy

#### 27. Rating of space adequacy:

- ⊡ Good
- 🛛 Fair
- D 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)

- D Excellent
- □ Satisfactory
- Unsatisfactory
- Poor

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

- Ves
- 🗆 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

Page Last Modified: 06/08/2016

32.	A/E Firm Address:
Suite	Wolf Road 1304 ny, NY 12205
<b>33.</b>	A/E Firm Phone Number:
5184	352467
	E-mail: @seidesigngroup.com
35.	A/E Name:
Matil	hew S: Monaghan
<b>36.</b>	A/E License #:
0291	99

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Site Utilities

### Page Last Modified: 06/07/2016

#### Site Utilities

37. Water			
ØYes □No			
37a. Type of Ser	vice:		
Ø Municipal or Util □ Well □ Other			
37b. Condition:			
<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>			
37c. Year of Last	Major Reconstruction/Repla	acement:	
2006			diana mananggala
37d. Expected Re	emaining Useful Life (Years)	:	
		a a statistica da se da se Estatistica da se da s	
37e. Cost to Rec	construct/Replace \$:		
(No Response)			
37f. Comments:			
(No Response)			
38. Site Sanitary (H)			
☑ Yes □ No			
38a. Type of Ser	vice:		
<ul> <li>Municipal or utili</li> <li>Site septic</li> <li>Other</li> </ul>	ity sewer		
38b. Condition:			
<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>			
38c. Year of Last	t Major Reconstruction/Repl	acement:	
2006			
38d. Expected R	emaining Useful Life (Years	):	

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Site Utilities

Page Last Modified: 06/07/2016 38e. Cost to reconstruct/Replace \$: (No Response) 38f. Comments: (No Response) 39. Site Gas (H) Yes D 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 Ø No Site Electrical, Including Exterior Distribution (H) 41. ₹ 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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「「「「」」「「」」」、「「」」「「」」、「」」、「」」、「」」、「」」、「」	
Above Ground	
<ul> <li>Below Ground</li> <li>N/A</li> </ul>	
41c. Condition:	
<ul> <li>✓ Excellent</li> </ul>	
□ Satisfactory	
Unsatisfactory     Non-Functioning	
Critical Failure	
41d. Year of Last Major Reconstruction/Replac	cement:
2006	
41e. Expected Remaining Useful Life (Years):	
30	
41f. Cost to Reconstruct/Replace \$:	
41g. Comments:	
(No Response)	
nwater Management	
42. Closed Drainage Pipe Stormwater Management	System
42a. Does this facility have a closed pipe system ☑ Yes □ No	
42a. Does this facility have a closed pipe system	<b>?</b>
<ul> <li>42a. Does this facility have a closed pipe system</li> <li>Yes</li> <li>No</li> <li>42b. Condition:</li> <li>Excellent</li> </ul>	<b>?</b>
<ul> <li>42a. Does this facility have a closed pipe system</li> <li>Yes</li> <li>Yes</li> <li>No</li> <li>42b. Condition;</li> <li>Excellent</li> <li>Satisfactory</li> </ul>	<b>?</b>
<ul> <li>42a. Does this facility have a closed pipe system</li> <li>Yes</li> <li>No</li> <li>42b. Condition:</li> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> </ul>	
<ul> <li>42a. Does this facility have a closed pipe system</li> <li>Yes</li> <li>No</li> <li>42b. Condition:</li> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> </ul>	<b>?</b>
<ul> <li>42a. Does this facility have a closed pipe system</li> <li>Yes</li> <li>No</li> <li>42b. Condition: <ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> </ul> </li> </ul>	
<ul> <li>42a. Does this facility have a closed pipe system</li> <li>Yes</li> <li>No</li> <li>42b. Condition: <ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul> </li> </ul>	
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/Replace	
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/Replace         2006	
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/Replace         2006         42d. Expected Remaining Useful Life (Years):	
<ul> <li>42a. Does this facility have a closed pipe system</li> <li>Yes</li> <li>No</li> <li>42b. Condition: <ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul> </li> <li>42c. Year of Last Major Reconstruction/Replace 2006</li> <li>42d. Expected Remaining Useful Life (Years): 15</li> </ul>	
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/Replace         2006         42d. Expected Remaining Useful Life (Years):         15         42e. Cost to Reconstruct/Replace \$:	

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Site Utilities

#### Page Last Modified: 06/07/2016

43. Open Drainage Pipe Stormwater Management System

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

Yes	
No	
4	3b. Condition:
	Excellent
	Satisfactory Unsatisfactory
	Non-Functioning
Ľ	Critical Failure
4	3c. Year of Last Major Reconstruction/Replacement:
2	006
4	3d. Expected Remaining Useful Life (Years):
1	5
4	3e. Cost to Reconstruct/Replace \$:
C	lo Response)
4	3f. Comments:
	νο Response) tch Basins/Drop Inlets/Manholes
. Ca	
. Ca 44a	tch Basins/Drop Inlets/Manholes
. Ca 44a Yes No	tch Basins/Drop Inlets/Manholes
. Ca 44a Yes No 4 E E	tch Basins/Drop Inlets/Manholes Does this facility have catch basins/drop inlets/manholes? 4b. Condition: Excellent Satisfactory Unsatisfactory Non-Functioning
44a Yes No 4 E C C	tch Basins/Drop Inlets/Manholes Does this facility have catch basins/drop inlets/manholes? 4b. Condition: Excellent Satisfactory Unsatisfactory Non-Functioning
44a 44a Yes No 4 E E C C	tch Basins/Drop Inlets/Manholes Does this facility have catch basins/drop inlets/manholes? 4b. Condition: Excellent Satisfactory Unsatisfactory Non-Functioning Critical Failure
44a Yes No 4 E E C 4 2	tch Basins/Drop Inlets/Manholes Does this facility have catch basins/drop inlets/manholes? 4b. Condition: Excellent Satisfactory Unsatisfactory Unsatisfactory Critical Failure 4c. Year of Last Major Reconstruction/Replacement:
44a Yes No 4 E C C C C C C C C C C C C C C C C C C	tch Basins/Drop Inlets/Manholes Does this facility have catch basins/drop inlets/manholes? 4b. Condition: Excellent Satisfactory Unsatisfactory Unsatisfactory Non-Functioning Critical Failure 4c. Year of Last Major Reconstruction/Replacement:
A44a Yes No 4 E C C C C C C C C C C C C C C C C C C	tch Basins/Drop Inlets/Manholes Does this facility have catch basins/drop inlets/manholes? 4b. Condition: Excellent Satisfactory Unsatisfactory Unsatisfactory Non-Functioning Critical Failure 4c. Year of Last Major Reconstruction/Replacement: 206 4d. Expected Remaining Useful Life (Years):

44f. Comments:

(No Response)

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Site Utilities

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46. C	Nu falla		
	a. Does this facility have	e outfalls?	
<ul><li>☑ Yes</li><li>☑ No</li></ul>	사람 이 것은 것은 것을 가장하는 것 것을 받았다.		
	46b. Condition:		
	Excellent      Satisfactory      Unsatisfactory      Non-Functioning      Critical Failure		
	46c. Year of Last Major	Reconstruction/Replacement:	
	46d. Expected Remainin 25		
	46e. Cost to Reconstruc	t/Replace \$:	
	(No Response)		<sup>194</sup> 7 - <sup>194</sup> 9 Anno, anno an Allah Allah Anno All
	46f. Comments:		
	(No Response)		an a
47. li	nfiltration Basins/Chamb	ers	
47	a. Does this facility have	e infiltration basins/chambers?	
□ Ye ☑ No		a service a service ser Service service s	
48. F	Retention Basins		
49	a. Does this facility have	e retention basins?	
-+0			
✓ Yes			

# 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 outfails 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

Page Last Modified: 06/07/2016

#### **Other Site Features**

- 53. Pavement (Roadways and Parking Lots)
- 🗹 Yes
- D No

53a. Type: (check all that apply)

- Concrete
- Asphalt
- Gravel Gravel
- □ 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 \$:

#### 53f. Comments:

Repair pot holes in main drive and replace damaged gutter.

#### 54. Sidewalks

✓ Yes when the second s

#### 54a. Type: (check all that apply)

- ☑ Concrete
- Asphalt
- D Paver
- Other

#### 54b. Condition:

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

#### 54c. Year of Last Major Reconstruction/Replacement:

2006

# 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 \$:
	15,000.00
	54f. Comments:
	Provide concrete curb ramps and widen walk on north end.
55.	Playgrounds and Playground Equipment
	Yea No
56.	Athletic Fields and Play Fields
0	Yes No
	56f. Does the facility have synthetic turf field(s)
	□ Yes 2 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 Survey

#### 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):

 Source and the second state of the se second state of the second state o

#### 59f. Cost to Reconstruct/Replace \$:

(No Response)

59g. Comments:

(No Response)

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Building Envelope

Page Last Modified: 06/07/2016

#### **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
- D None

#### 60d. Overall Condition of Structural Floors:

- D 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)

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

**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
- D 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.

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

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```
62.
     Chimneys (S)
☑ Yes
No
      62a. Material (check all that apply):
      □ Masonry
      Concrete
      🗹 Metal
      □ Wood
      D 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)

Ø Yes □ No

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

- D Excellent
- Satisfactory
- D 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)

## 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

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#### 66. Fire Escapes (S)

66a. Does This Facility Have One or More Fire Escapes?

- □ Yes
- No

#### 67. Windows

- Yes
- D No

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

- e. 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
- D No

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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):

<b>.</b>	Single-ply membrane	n 1997 - Angele Angele and an ann an an ann an ann an ann an ann an a	
	Single-ply membrane Built-up		
	Asphalt shingle		
☑	Pre-formed metal		
	IRMA		
	Slate Other (describe below)		
ų,	Uner (describe below)	an de la companya de La companya de la comp	

#### 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:

- D 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

#### 68I. Cost to Reconstruct/Replace \$:

(No Response)

#### 68m. Comments:

(No Response)

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Interior Spaces

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### **INTERIOR SPACES**

69. Interior Bearing Walls and Fire Walls (S)	
<ul> <li>Yes</li> <li>□ No</li> </ul>	
69a. Overall condition of interior bearing walls and fire walls:	
Excellent	1
□ Satisfactory	
<ul> <li>Unsatisfactory</li> <li>Non-functioning</li> </ul>	
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	
<ul><li>✓ Yes</li><li>□ No</li></ul>	
70a. Overall condition of other interior walls:	
Bxcellent {	
□ Satisfactory	
<ul> <li>Unsatisfactory</li> <li>Non-Functioning</li> </ul>	
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	

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

**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:

**2**006

### 72d. Expected Remaining Useful Life (Years):

- 10
- 72e. Cost to Reconstruct/Replace \$:
- (No Response)

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

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):
	<ul> <li>Instructional Space</li> <li>Common Area</li> </ul>
	73b. Overall condition of hard flooring:
	<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>
	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 Version de la filipie de la construction de la filipie de la construction de la construction de la construction Indexes de la construction de la co
lings (l	Н)
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

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:	
<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>	
77c. Year of Last Major Reconstruction/Replacement:	
2006	
77d. Expected Remaining Useful Life (Years):	
is a second s	
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
```

 $\blacksquare$  No the second seco

### Interior Electrical Distribution (H)

- 80. Interior Electrical Distribution (H)
- ☑ Yes
- D No

80a. Interior electrical supply meets current needs:

- Z Yes
- 🗆 No

80b. Condition of interior electrical distribution:

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

### 80c. Year of Last Major Reconstruction/Replacement:

2006

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

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

	11.														

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:

Marshandshipping and the set of the set of

### **Communication Systems (H)**

82. Communication Systems (H)

```
Z Yes
□ No
```

82a. Communication systems are adequate:

🗹 Yes

🛛 No

82b. Condition of communication systems:

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

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

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

# 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
- 🗖 РУС
- 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):

- n sent de la constant d'acteur de la constant de l ■ a **l'ion** de la constant de la const
- 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)

0	
	85c. Year of Last Major Reconstruction/Replacement:
	2006
	85d. Expected Remaining Useful Life (Years):
	33
	85e. Cost to Reconstruct/Replace \$:
	(No Response)
	85f. Comments:
	(No Response)
Hot Wate	r Heaters (H)
86.	Hot Water Heaters (H)
	Yes No
	86a. Type of fuel (check all that apply):
	<ul> <li>□ Oil</li> <li>☑ Natural Gas</li> <li>□ Electricity</li> </ul>
	Propane Other
	86b. Overall condition of hot water heaters:
	<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>
	86c. Year of Last Major Reconstruction/Replacement:
	2006
	86d. Expected Remaining Useful Life (Years):
	10 March 10 Mar
	86e. Cost to Reconstruct/Replace \$:
	(No Response)
	86f. Comments:
	(No Response)
Plumbing	l 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):

- D 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)

# 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 No

### Heat Generating Systems (H)

#### 88b.1 Other central HVAC system technology:

(No Response)

#### 89. Heat Generating Systems (H)

- ☑ Yes
- D No

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

- D Boiler / Hot Water
- D 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)

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

HVAC Systems

	Yes
	90a. Overall condition of heating fuel / energy systems:
	Excellent     Satisfactory
	Unsatisfactory
	Non-Functioning
	Critical Pailure
	90b. Year of Last Major Reconstruction/Replacement:
	2006
	90c. Expected Remaining Useful Life (Years):
	23
	90d. Cost to Reconstruct/Replace \$:
	(No Response)
	90e. Comments:
	(No Response)
λ. Δ	ir Conditioning Generating Systems
91.	
	Υcs No
	91a. Overall condition of cooling/air-conditioning generating systems:
	☑ Bxcellent
	□ 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)
	(No Response) 91e. Comments:

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

HVAC Systems

2 `	
	92a. Overall condition of air handling and ventilation systems:
	<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>
	92b. Year of Last Major Reconstruction/Replacement:
	2006
	92c. Expected Remaining Useful Life (Years):
	20
	92d. Cost to Reconstruct/Replace \$:
	(No Response)
	Energy recovery,
	ating and Cooling Distribution Systems
93.	Piped Heating and Cooling Distribution Systems: Piping, Pumps, Radiators, Convectorss, Traps, Insulation,
93. etc. ☑	Piped Heating and Cooling Distribution Systems: Piping, Pumps, Radiators, Convectorss, Traps, Insulation, (H)
93. etc. ☑	Piped Heating and Cooling Distribution Systems: Piping, Pumps, Radiators, Convectorss, Traps, Insulation, (H) Yes
93. etc. ☑	Piped Heating and Cooling Distribution Systems: Piping, Pumps, Radiators, Convectorss, Traps, Insulation, (H) Yes No
93. etc. ☑	Piped Heating and Cooling Distribution Systems: Piping, Pumps, Radiators, Convectorss, Traps, Insulation, (H) Yes No 93a. Overall condition of piped heating and cooling distribution systems: Excellent Satisfactory Unsatisfactory Non-Functioning
93. etc. ☑	Piped Heating and Cooling Distribution Systems: Piping, Pumps, Radiators, Convectorss, Traps, Insulation, (H) Yes No 93a. Overall condition of piped heating and cooling distribution systems: Excellent Satisfactory Unsatisfactory Non-Functioning Critical Failure
93. etc. ☑	Piped Heating and Cooling Distribution Systems: Piping, Pumps, Radiators, Convectorss, Traps, Insulation, (H) Yes No 93a. Overall condition of piped heating and cooling distribution systems: Excellent Satisfactory Unsatisfactory Critical Failure 93b. Year of Last Major Reconstruction/Replacement:
93. etc. ☑	Piped Heating and Cooling Distribution Systems: Piping, Pumps, Radiators, Convectorss, Traps, Insulation, (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
93. etc. ☑	Piped Heating and Cooling Distribution Systems: Piping, Pumps, Radiators, Convectorss, Traps, Insulation, (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):
93. etc. ☑	Piped Heating and Cooling Distribution Systems: Piping, Pumps, Radiators, Convectorss, Traps, Insulation, (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
93. etc. ☑	Piped Heating and Cooling Distribution Systems: Piping, Pumps, Radiators, Convectorss, Traps, Insulation, (H) Yes No 93a. Overall condition of piped heating and cooling distribution systems: Excellent Satisfactory Unsatisfactory Unsatisfactory Critical Failure 93b. Year of Last Major Reconstruction/Replacement: 2006 93c. Expected Remaining Useful Life (Years): 20 93d. Cost to Reconstruct/Replace \$:
93. etc. ☑	Piped Heating and Cooling Distribution Systems: Piping, Pumps, Radiators, Convectorss, Traps, Insulation, (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)

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

HVAC Systems

	es
	6
	94a. Overall condition of ducted heating and cooling distribution systems:
	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)
C Cor	trol Systems
95.	HVAC Control Systems (H)
	65 0
	95a. Overall condition of control systems:
	<ul> <li>Exceilent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>
	95b. Year of Last Major Reconstruction/Replacement:
	95b. Year of Last Major Reconstruction/Replacement: 2006
	95c. Expected Remaining Useful Life (Years):
	20
	95d. Cost to Reconstruct/Replace \$:
	(No Response)
	95e. Comments:

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Fire Safety Systems

90.	Fire Alarm Systems (H)	
	Yes Vo	
	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)	
e De	tection System (H)	
97.		
	그는 사람이 많은 것 않았다. 방법 방법 방법 방법 방법 방법 문제에 가장 가장 방법을 통하는 것 같은 것 같	
	97a. Overall condition of smoke detection systems:	
	<ul> <li>Excellent</li> <li>Satisfactory</li> <li>Unsatisfactory</li> <li>Non-Functioning</li> <li>Critical Failure</li> </ul>	
	97b. Year of Last Major Reconstruction/Replacement:	
	2006	
	2000	
	97c. Expected Remaining Useful Life (Years):	
	97c. Expected Remaining Useful Life (Years):	
	97c. Expected Remaining Useful Life (Years): 15 97d. Cost to Reconstruct/Replace \$:	
	97c. Expected Remaining Useful Life (Years):	

# 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

### **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)

☑ 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

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
- D Poor
  - 105b. Comments:
  - (No Response)
- 106. Are there walk off mats; grills in the entryway?
- 🖸 Yes
- D 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
- D Poor

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

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

D 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
- D 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 lesks 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. k	s accumulated dirt, dust or debris in ductwork?
□ Yes ☑ No	
112e. A	re dampers functioning as designed?
<ul><li>☑ Yes</li><li>□ No</li></ul>	
112f. C	ondition of air filters:
<ul><li>☑ Good</li><li>□ Fair</li><li>□ Poor</li></ul>	
112g. (	Dutside air is adequate for occupant load:
☑ Yes □ No	
112h. F	Rating of ventilation/indoor air quality:
☑ Good □ Fair □ Poor	
112i. C	omments:
Washy ba	y corrosion.
113. 1	ndoor Air Quality (IAQ) Plan
inge over e	oes the school district use EPA's Tools for Schools program?
□ Yes ☑ No	
	13b. If No, is some other IAQ management plan used?
	2       Yes         3       No
	13c. Has the District assigned IAQ responsibilities to a designated individual?
	2 Yes several and a strand a strand and the several se
	13c.1 If Yes, what is their job title?
J	Health and Safety Officer.
114. [	Does the school practice IPM?
☑ Yes □ No	
	114a. Is vegetation kept one foot away from the building?
	2 Yes

🗆 No

# 2015 Building Condition Survey Instrument - 2015 Building Conditions Survey

Indoor Air Quality

	l Yes I No
	14c. Is there a certified pesticide applicator on staff?
	L Yes
Ŀ	No
1	14d. Are pesticides used in the building?
	Yes No
1	14d.1 If Yes, how are they typically applied?
1	14e. Are pesticides used on the grounds?
₽	Yes No
1	14e.1 If Yes, was an emergency exemption granted by the Board of Education?
	Yes No
D es	ces the school have a passive radon mitigation system installed (was built with radon resistant features)?
lo	
1	15a. Has the facility been tested for the presence of radon?
	Yes No
1	15b. Were any of the results of the test greater than or equal to 4 picocuries per liter (pCi/L)?
L L	동안 <u>전하게 있는 것 같아요. 이 것 이 것 같아요. 이 것 ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ?</u>
1	15c. If Yes, did the school take steps to mitigate the elevated radon levels?
	Yes, passive mitigation system made active Yes, ventilation controls (HVAC) adjusted
	15c.1 Describe other actions taken to mitigate elevated radon levels:

# 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

# Marcellus CSD

KCH Elementary School High School

> Pre-Renovation Building Survey May 2016

Prepared For: SEI Design Group Albany, NY



### 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 Crawlspace

# 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 Crawlspace

# 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 <u>Building Owner Actions Required By Regulation</u>

- 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 <u>www.osha.gov</u>. Such guidance includes, but is not limited to, a letter to Kurt Varga, Ph.D., dated November 24, 2003.

# IDENTIFIED MATERIALS CONTAINING ≤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 in 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].<sup>1</sup>

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,

<sup>&</sup>lt;sup>1</sup> 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 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 exiting 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 <u>Appendices</u>

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



## <u>Appendix A</u>

Asbestos Bulk Sample

**Results Summary** 

SAMPLE NUMBER	RESULTS	MATERIAL	LOCATION	VINTAGI
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	Clasroom 301	Common
81815H- 5	NAD	Sand Plaster - Surface Coat	Clasroom 301	1969
81815H- 6	NAD	Sand Plaster - Brown Coat	Clasroom 301	1969
81815H- 7	NAD	Floor Tile - 12x12 Beige Mottled	Office 300	Rennov.
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	Rennov.
81815H- 12	NAD	Taping Compound	Classroom 302	Rennov.
81815H- 13	NAD	Cove Base - 4" Tan	Classroom 302	Rennov.
81815H- 14	NAD	Cove Base - Mastic	Classroom 302	Rennov.
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	Rennov.
81815H- 31	NAD	Taping Compound	Classroom 308	Rennov.
81815H- 32	NAD	Cove Base - 4" Tan	Classroom 308	Rennov.
81815H- 33	NAD	Cove Base - Mastic	Classroom 308	Rennov.
81815H- 34	NAD	Floor Tile - 12x12 Cream Mottled	Classroom 308	Rennov.
81815H- 35	NAD	Floor tile - 12x12 Mastic	Classroom 308	Rennov.
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	
81815H- 40	NAD	Sand Plaster - Brown Coat	Storage Room Next to Classroom 313	

Table 1.1 - Asbestos Bulk Sample Results Summary

NOTE:

No Asbestos Detected

Materials with more than 1% asbestos are considered to be ACM (Asbestos Containing Material) and are regulated under state and federal regulations Not considered to be a ACM (Asbestos Containing Material)

1% or less =

NAD =

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	Rennov.
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	Rennov.
81815H- 47	NAD	Floor tile - 12x12 - Mastic	Classroom 320	Rennov.
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
		Sand Plaster - Surface Coat		

NOTE:

No Asbestos Detected

Materials with more than 1% asbestos are considered to be ACM (Asbestos Containing Material) and are regulated under state and federal regulations Not considered to be a ACM (Asbestos Containing Material)

1% or less =

NAD =

Table 1.1 - Asbestos Bulk Sam	ple 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:

No Asbestos Detected

Materials with more than 1% asbestos are considered to be ACM (Asbestos Containing Material) and are regulated under state and federal regulations Not considered to be a ACM (Asbestos Containing Material)

1% or less =

NAD =

Table 1.1 - Asbestos Bulk	Sample Results	Summary - (cont.)
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AMPLE NUMBER	RESULTS	MATERIAL	LOCATION	VINTAG
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

NOTE:

No Asbestos Detected

Materials with more than 1% asbestos are considered to be ACM (Asbestos Containing Material) and are regulated under state and federal regulations Not considered to be a ACM (Asbestos Containing Material)

1% or less =

NAD =

Table 1.1 - Asbestos Bulk Sample	e 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:

No Asbestos Detected

Materials with more than 1% asbestos are considered to be ACM (Asbestos Containing Material) and are regulated under state and federal regulations Not considered to be a ACM (Asbestos Containing Material)

1% or less = \* =

NAD =

> 1% =

Vermiculite block fill must be considered to be ACM.

#### **Elementary School**

AMPLE NUMBER	RESULTS	MATERIAL	LOCATION	VINTAG
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	Renovatio
31416E- 6	<1.0%	Black Foam Block Mastic	Crawlspace	Renovatio
31416E- 7	NAD	Black Foam Block Tar Paper	Crawlspace	Renovatio
31416E- 8	NAD	Black Foam Block Insulation	Crawlspace	Renovatio
31416E- 9	<1.0%	Black Foam Block Mastic	Crawlspace	Renovatio
31416E- 10	NAD	Black Foam Block Tar Paper	Crawlspace	Renovatio
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	Renovatio
31516E- 27	NAD	2x4 Ceiling Tile - Plain Pin/Fissure	Main Office Toilet Room	Renovatio
31516E- 28	NAD	Joint Compound	Main Office Toilet Room	Renovatio
31516E- 29	NAD	Sheetrock	Main Office Toilet Room	Renovatio
31516E- 30	NAD	Joint Compound	Main Office 056	Renovatio
31516E- 31	NAD	Sheetrock	Main Office 056	Renovatio
31516E- 32	NAD	2x4 Ceiling Tile - Tegular Pin/Puncture	Nurse's Screening 41B	Renovatio
31516E- 33	NAD	2x4 Ceiling Tile - Tegular Pin/Puncture	Office 42A	Renovatio
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

 Table 1.2 - Asbestos Bulk Sample Results Summary

NOTE:

NAD =

No Asbestos Detected

Materials with more than 1% asbestos are considered to be ACM (Asbestos Containing Material) and are regulated under state and federal regulations Not considered to be a ACM (Asbestos Containing Material)

1% or less =

## <u>Appendix B</u>

Identified Asbestos

Containing Materials Table

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

Table 2.1 - Identified Asbestos-Containing Materials: High School

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.

ntified Asbestos-Containing Material	Estimated Quantities	Condition
Vapor Barrier (1953)	Unquantified	Non-accessible
x Duct Insulation Seam Mastic (1964)	276 s.f.	Fair
Black Pipe Fitting Wrap (1964)	17 Fittings	Good
Unit Ventilator Caulk (1953)	17 Unit Ventilators within scope of project	Fair
Perimeter Roof Flashing (1953)	Unquantified	Fair
dow Sill/Unit Ventilator Caulk (1964)	Unquantified	Fair
Floor Tile	1,255 s.f.	Non-accessible
Floor Tile Mastic	1,255 s.f.	Non-accessible

### Table 2.2 - Identified Asbestos-Containing Materials: KC Hefernan Elementary School

## Appendix C

Laboratory Sample Analysis

And Chains of Custody

FΛΥ		
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## **PLM Bulk Asbestos Report**

Gheen Engineering, PLLC
Attn: Stephen Gheen
44 Glenridge Road

Date Received	08/25/15	AmeriSci	Job	<b>)</b> #	215084502
Date Examined	08/30/15	P.O. #			
ELAP #	11480	Page	1	of	12
RE: 15S-031; Ma	arcellus CSD N	/lain; High S	Scho	loc	

Whitesboro, NY 13492

Client No. / HG	A La	ab No.	<b>Asbestos Present</b>	Total % Asbestos
81815H-01	2150	84502-01	No	NAD
	eiling Tile, 1 x 1 Pin/Fissure	(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15		
Asbestos Ty	i <b>on</b> : Grey, Homogeneous, Non-F <b>pes:</b> rial: Non-fibrous 19.6 %	ibrous, Bulk Mat	erial	
81815H-02	2150	84502-02	No	NAD
			eiling Tile, 1 x 1 Pin/Fissure, Mastic	(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Asbestos Ty	ion: Dark Brown, Homogeneous, pes: rial: Non-fibrous 33.1 %	Non-Fibrous, B	ulk Material	
81815 <b>H</b> -03	2150	84502-03	No	NAD
	Location: Corridor Outside Art	Room, 1969 - Sł	neetrock Back Board	(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Asbestos Ty	ion: Brown/White, Heterogeneou bes: rial: Cellulose 35 %, Non-fibrous		Material	
81815H-04	2150	84502-04	No	NAD
	Location: Classroom 301, Com	mon - Ceiling Ti	le, 2 x 4 Pin	(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Asbestos Ty	ion: Grey, Homogeneous, Non-F pes: rial: Non-fibrous 49.3 %	ibrous, Bułk Mate	erial	01 00/30/13
81815H-05	2150	84502-05	No	NAD
	Location: Classroom 301, 1969	<ul> <li>Sand Plaster,</li> </ul>	Surface Coat	(by NYS ELAP 198.1) by Karol H. Lu
Asbestos Typ	i <b>orı:</b> White, Homogeneous, Non-ł <b>bes:</b> ial: Non-fibrous 100 %	<sup>-</sup> ibrous, Bulk Ma	terial	on 08/30/15

Page 2 of 12

AmeriSci Job #: 215084502

Client Name: Gheen Engineering, PLLC

## **PLM Bulk Asbestos Report**

Client No. / HG	A Lab No.	Asbestos Present	Total % Asbestos
81815H-06	215084502-06 Location: Classroom 301, 1969 - Sand Plaster, Bro	<b>No</b> own Coat	NAD (by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Asbestos Ty	t <b>ion:</b> Brown, Homogeneous, Non-Fibrous, Cementitio <b>pes:</b> r <b>ial:</b> Non-fibrous 100 %	ous, Bulk Material	01100/30/13
81815H-07	215084502-07	No	NAD
	Location: Office 300, Rennov Floor Tile, 12 x 12	-	(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Asbestos Ty	i <b>ion</b> : White/Beige, Homogeneous, Non-Fibrous, Bulk <b>pes:</b> rial: Non-fibrous 39 %	Material	
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
Asbestos Ty	ion: Green, Homogeneous, Non-Fibrous, Bulk Materi pes: rial: Non-fibrous 45.2 %	ial	
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
Asbestos Ty	ion: White, Homogeneous, Non-Fibrous, Bulk Materi pes: rial: Non-fibrous 100 %	al	
04045UL 40	215084502-10	No	NAD
81815H-10		~ .	
81815H-10	Location: Office 300, 1969 - Sand Plaster, Brown C	2041	(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Descript Asbestos Ty	ion: Brown, Homogeneous, Non-Fibrous, Cementition bes:		,
Analyst Descript Asbestos Ty Other Mate	ion: Brown, Homogeneous, Non-Fibrous, Cementition bes: rial: Cellulose Trace, Non-fibrous 100 %	us, Bulk Material	by Karol H. Lu on 08/30/15
Analyst Descript Asbestos Ty	ion: Brown, Homogeneous, Non-Fibrous, Cementition bes:		by Karol H. Lu

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AmeriSci Job #: 215084502

Client Name: Gheen Engineering, PLLC

## **PLM Bulk Asbestos Report**

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
81815H-12	215084502-12 L <b>ocation:</b> Classroom 302, Rennov Taping Co	<b>No</b> ompound	NAD (by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Asbestos Type		aterial	
	al: Cellulose Trace, Non-fibrous 100 %	<b>Na seconda de la companya de la companya</b>	
	215084502-13 Location: Classroom 302, Rennov Cove Base		NAD (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Asbestos Type	n: Beige, Homogeneous, Non-Fibrous, Bulk Ma s: al: Non-fibrous 20.5 %	tenal	
81815H-14	215084502-14	No	NAD
i	.ocation: Classroom 302, Rennov Cove Base		(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Asbestos Type	n: Tan, Homogeneous, Non-Fibrous, Bulk Mater s: al: Non-fibrous 30.2 %	rial	
81815H-15	215084502-15	No	NAD
L	ocation: Classroom 305, 1969 - Older 12 x 12	Floor Tile Mastic	(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Asbestos Type	n: Black, Homogeneous, Non-Fibrous, Bulk Mat s: il: Non-fibrous 16.6 %	erial	
81815H-16	215084502-16	No	NAD
L	ocation: Classroom 305, 1969 - Cove Base, 4*		(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Asbestos Type	n: Black, Homogeneous, Non-Fibrous, Bulk Mat <b>s:</b> I: Non-fibrous 55.3 %	erial	
81815H-17	215084502-17	No	NAD
L	ocation: Classroom 305, 1969 - Cove Base, Ma	astic	(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Asbestos Type:	ղ: Tan, Homogeneous, Non-Fibrous, Bulk Mater s: i: Non-fibrous 38.1 %	ial	

AmeriSci Job #: 215084502

Client Name: Gheen Engineering, PLLC

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## **PLM Bulk Asbestos Report**

Client No. / HGA	Lab No.	<b>Asbestos Present</b>	Total % Asbestos
81815H-18	215084502-18 Location: Classroom 305, 1969 - Lab Table Top, M	<b>Yes</b> lastic/Sealer	1.8 % <sup>1</sup> (EPA 400 PC) by Karol H. Lu on 08/30/15
Asbestos Typ	on: Grey, Homogeneous, Non-Fibrous, Bulk Materia es: Chrysotile 1.8 % ial: Non-fibrous 36.4 %	1	
81815H-19	215084502-19 Location: Classroom 305, 1969 - Sand Plaster, Su	<b>No</b> face Coat	NAD (by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Asbestos Typ	on: White, Homogeneous, Non-Fibrous, Bulk Materi es: ial: Non-fibrous 100 %	ai	
81815H-20	215084502-20 Location: Classroom 305, 1969 - Sand Plaster, Bro	<b>No</b> wn Coat	NAD (by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Asbestos Typ	on: Brown, Homogeneous, Non-Fibrous, Cementition es: ial: Non-fibrous 100 %	us, Bulk Material	
81815H-21	215084502-21 Location: Classroom 309, 1969 - Cove Base, 4" Bla	<b>No</b> ack	NAD (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Asbestos Typ	on: Black, Homogeneous, Non-Fibrous, Bulk Materia es: ial: Non-fibrous 55.9 %	I	
81815H-22	215084502-22 Location: Classroom 309, 1969 - Cove Base, Masti	Yes c	Trace (<0.25 % pc) <sup>1</sup> (EPA 400 PC) by Karol H. Lu on 08/30/15
Asbestos Typ	on: Grey, Homogeneous, Non-Fibrous, Bulk Material es: Chrysotile <0.25 % pc al: Non-fibrous 31.6 %		
	215084502-23 Location: Classroom 309, 1969 - Lab Table Top	Νο	NAD (by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Asbestos Type	on: Black/Brown, Homogeneous, Non-Fibrous, Bulk l es: al: Non-fibrous 100 %	Material	

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AmeriSci Job #: 215084502

Client Name: Gheen Engineering, PLLC

## **PLM Bulk Asbestos Report**

Client No. / HGA	<b>\</b>	Lab No.	Asbestos Present	Total % Asbesto
81815H-24	Location: Classroom 309,			2 % <sup>1</sup> (EPA 400 PC) by Karol H. Lu on 08/30/15
Asbestos Typ	ion: Grey, Homogeneous, N pes: Chrysotile 2.0 % rial: Non-fibrous 48.2 %	lon-Fíbrous, Bulk Mate	erial	
81815H-25	Location: Storage Betwee			NAD (by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Asbestos Typ	ion: White, Homogeneous, bes: rial: Non-fibrous 100 %	Non-Fibrous, Bulk Ma	terial	
81815H-26	2 Location: Storage Betwee	215084502-26 n 305 & 307, 1969 - S	<b>No</b> Sand Plaster, Brown Coat	NAD (by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Asbestos Ty	ion: Brown, Homogeneous, pes: rial: Cellulose Trace, Non-1		itious, Bulk Material	
81815H-27	Location: Storage Betwee	215084502-27 en 309 & 311, 1969 - S	<b>No</b> Sand Plaster, Surface Coat	NAD (by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Asbestos Ty	ion: White, Homogeneous, pes: rial: Non-fibrous 100 %	Non-Fibrous, Bulk Ma	terial	
81815H-28	Location: Storage Betwee	215084502-28 en 309 & 311, 1969 - S	<b>No</b> Sand Plaster, Brown Coat	NAD (by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Asbestos Ty	ion: Brown, Homogeneous, pes: rial: Non-fibrous 100 %	Non-Fibrous, Cemen	titious, Bulk Material	
81815H-29		215084502-29 o Faculty Toilet Room	<b>Yes</b> , 1969 - Ceramic Wall Tile, Thinset	0.5 % (EPA 400 PC) by Karol H. Lu on 08/30/15
Asbestos Ty	tion: Grey, Homogeneous, l pes: Chrysotile 0.5 % rial: Non-fibrous 99.5 %	Non-Fibrous, Cementi	tious, Bulk Material	

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AmeriSci Job #: 215084502

Client Name: Gheen Engineering, PLLC

## **PLM Bulk Asbestos Report**

Client No. / HGA	Lab No. A	sbestos Present	Total % Asbestos
81815H-30 I	215084502-30 Location: Classroom 308, Rennov Sheetrock	Νο	NAD (by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Asbestos Type	n: Brown/White, Heterogeneous, Fibrous, Bulk Materia es: al: Cellulose 20 %, Fibrous glass Trace, Non-fibrous		
81815H-31 เ	215084502-31 Location: Classroom 308, Rennov Taping Compour	<b>No</b> Id	NAD (by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Asbestos Type	n: White, Homogeneous, Non-Fibrous, Bulk Material es: al: Non-fibrous 100 %		
81815H-32 เ	215084502-32 _ocation: Classroom 308, Rennov Cove Base, 4" Ta	<b>No</b> an	NAD (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Asbestos Type	on: OffWhite, Homogeneous, Non-Fibrous, Bulk Materi es: al: Non-fibrous 22.4 %	al	
81815H-33 เ	215084502-33 Location: Classroom 308, Rennov Cove Base, Mast	<b>No</b> ic	NAD (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Asbestos Type	n: Tan, Homogeneous, Non-Fibrous, Bulk Material es: al: Non-fibrous 33.5 %		
81815H-34 เ	215084502-34 Location: Classroom 308, Rennov Floor Tile, 12 x 1	<b>No</b> 2 Cream Mottled	NAD (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Asbestos Type	n: OffWhite, Homogeneous, Non-Fibrous, Bulk Materi es: al: Non-fibrous 34.8 %	al	
81815H-35 เ	215084502-35 Location: Classroom 308, Rennov Floor Tile, 12 x 1	<b>No</b> 2 Mastic	NAD (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Asbestos Type	n: Tan, Homogeneous, Non-Fibrous, Bulk Material es: al: Non-fibrous 29.1 %		

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AmeriSci Job #: 215084502

Client Name: Gheen Engineering, PLLC

## PLM Bulk Asbestos Report

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbesto			
81815H-36 Loo	1815H-36 215084502-36 No Location: Faculty Toilet Room, 1969 - Smooth Plaster, Surface Coat					
Analyst Description: Asbestos Types: Other Material:	by Karol H. Lu on 08/30/15					
81815H-37	215084502-37	No	NAD			
	cation: Faculty Toilet Room, 1969 - Smooth	(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15				
Asbestos Types:	Brown, Homogeneous, Non-Fibrous, Cemen Non-fibrous 100 %	titious, Bulk Material				
81815H-38	215084502-38	No	NAD			
Loc	ation: Girls Toilet Room 311B, Common - C		(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15			
Asbestos Types:	Grey, Homogeneous, Non-Fibrous, Bulk Mat Non-fibrous 60.8 %	erial				
81815H-39	215084502-39	No	NAD			
Loc	ation: Storage Room Next To Classroom 31	3, 1969 - Sand Plaster, Surface Coat	(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15			
Asbestos Types:	White, Homogeneous, Non-Fibrous, Bulk Ma Non-fibrous 100 %	terial				
81815H-40	215084502-40	No	NAD			
Loc	ation: Storage Room Next To Classroom 31	3, 1969 - Sand Plaster, Brown Coat	(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15			
Asbestos Types:	Brown, Homogeneous, Non-Fibrous, Cement Non-fibrous 100 %	itious, Bulk Material				
31815H-41	215084502-41	No	NAD			
	ation: Corridor Next To Classroom 313, 196		(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15			
Asbestos Types:	White, Homogeneous, Non-Fibrous, Bułk Ma Non-fibrous 100 %	terial				

AmeriSci Job #: 215084502

Client Name: Gheen Engineering, PLLC

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## **PLM Bulk Asbestos Report**

Client No. / H	IGA	Lab No.	Asbestos Present	Total % Asbestos			
81815H-42		215084502-42	No	NAD			
	(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15						
Asbestos	Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 39.9 %						
Con	ment: Sample appear	s to be mastic.					
81815H-43		215084502-43	No	NAD			
	Location: Corridor Outside Classroom 316, 1969 - Ceiling Tile, 1x 1 Pin/Fissure						
Asbestos		neous, Non-Fibrous, Bulk Mat 4 %	erial				
81815H-44	<u> </u>	215084502-44	No	NAD			
		om 317, 1969 - Sand Plaster,		(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15			
Asbestos		neous, Non-Fibrous, Bulk Ma ) %	terial				
B1815H-45		215084502-45	No	NAD			
	Location: Classro	om 317, 1969 - Sand Plaster,	Brown Coat	(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15			
Asbestos		eneous, Non-Fibrous, Cemen ) %	titious, Bulk Material				
31815H-46	<u></u>	215084502-46	No	NAD			
	Location: Classroo	om 320, Rennov Floor Tile,	12 x 12 White-Red/Green Flecks	(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15			
	<b>iption:</b> White, Homoge <b>Types</b> :	neous, Non-Fibrous, Bulk Ma	tenal	-			

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AmeriSci Job #: 215084502

Client Name: Gheen Engineering, PLLC

## **PLM Bulk Asbestos Report**

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
81815H-47	215084502-47 Location: Classroom 320, Rennov Floor Tile, 7	NAD (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15	
Asbestos Type	on: Tan, Homogeneous, Non-Fibrous, Bulk Mater es: al: Non-fibrous 45.7 %	ial	
	215084502-48 Location: Corridor Next To Classroom 320, 1969		NAD (by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Asbestos Typ	on: Beige/Red/White, Homogeneous, Non-Fibrou es: al: Non-fibrous 100 %	ıs, Bulk Material	
81815H-49	215084502-49 Location: LGI, 1964 - Linoleum, Grey	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Asbestos Typ	on: Grey, Homogeneous, Non-Fibrous, Bulk Mate es: ial: Non-fibrous 0.7 %	erial	
81815H-50	215084502-50 Location: LGI, 1964 - Linoleum, Mastic	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Asbestos Typ	on: Tan/Grey, Heterogeneous, Non-Fibrous, Bulk es: ial: Non-fibrous 22.7 %	( Material	
81815H-51	215084502-51 Location: LGI, 1964 - Sand Plaster, Surface Co	<b>No</b> at	NAD (by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Asbestos Typ	on: White, Homogeneous, Non-Fibrous, Bulk Ma es: ial: Non-fibrous 100 %	terial	
81815H-52	215084502-52 Location: LGI, 1964 - Sand Plaster, Brown Coa	<b>No</b> t	NAD (by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Asbestos Typ	on: Brown, Homogeneous, Non-Fibrous, Cementes: ial: Non-fibrous 100 %	titious, Bulk Material	on 08/30/15

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AmeriSci Job #: 215084502

Client Name: Gheen Engineering, PLLC

## **PLM Bulk Asbestos Report**

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbesto		
81815H-53 Location: LC	215084502-53 61, 1964 - Linoleum, Grey	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15		
Analyst Description: Grey, Hor Asbestos Types: Other Material: Non-fibrou	nogeneous, Non-Fibrous, Bulk Ma us 2.7 %	terial			
81815H-54	215084502-54	No	NAD		
	61, 1964 - Linoleum, Mastic		(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15		
Analyst Description: OffWhite/ Asbestos Types: Other Material: Non-fibros	Grey, Heterogeneous, Non-Fibrous us 28.9 %	s, Bulk Material			
81815H-55 Location: LG	215084502-55 GI, Common - Carpet Mastic	Νο	NAD (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15		
Analyst Description: Green/Tan Asbestos Types: Other Material: Non-fibrou	n, Heterogeneous, Non-Fibrous, B us 48.3 %	ulk Material			
81815H-56 Location: LG	215084502-56 I, 1964 - Wallpaper	Νο	NAD (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15		
Analyst Description: White, Ho Asbestos Types: Other Material: Non-fibrou	mogeneous, Non-Fibrous, Bulk Ma us 18.6 %	aterial			
81815H-57 Location: LG	215084502-57 31, 1964 - Wallpaper	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15		
Analyst Description: White, Ho Asbestos Types: Other Material: Non-fibrou	mogeneous, Non-Fibrous, Bulk Ma us 21.2 %	aterial			
81815H-58 Location: LG	215084502-58 31, 1964 - Ceiling Tile, 1 x 1 Pin/Fis	<b>No</b> sure	NAD (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15		
Analyst Description: Grey, Hor Asbestos Types: Other Material: Non-fibrou	nogeneous, Non-Fibrous, Bulk Ma us 45.2 %	terial			

AmeriSci Job #: 215084502

Client Name: Gheen Engineering, PLLC

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## **PLM Bulk Asbestos Report**

Client No. / HGA	Lab No.	<b>Asbestos Present</b>	Total % Asbestos				
81815H-59 Location: Mu	11.2 % (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15						
Analyst Description: Brown/Lig Asbestos Types: Chrysotile Other Material: Non-fibrou	01 00/30/15						
	215084502-60 Yes Location: Music Room, 1964 - Linoleum, Tan cription: Brown/Light Brown, Homogeneous, Non-Fibrous, Bulk Material						
Analyst Description: Brown/Lig Asbestos Types: Chrysotile Other Material: Non-fibrou	26.0 %	ous, Buik Materiał	on 08/30/15				
81815H-61 Location: Mu	215084502-61 sic Room Kitchen, 1964 - Cove Ba	NAD (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15					
Analyst Description: Brown, Ho Asbestos Types: Other Material: Non-fibrou	mogeneous, Non-Fibrous, Bulk Ma s 53.4 %	terial	01 08/30/15				
81815H-62 Location: Mu	215084502-62 sic Room Kitchen, 1964 - Cove Ba	<b>No</b> se, Mastic	NAD (by NYS ELAP 198.6) by Karol H. Lu				
Analyst Description: Brown, Hou Asbestos Types: Other Material: Non-fibrou	mogeneous, Non-Fibrous, Bulk Ma s 52.1 %	tenal	on 08/30/15				
81815H-63 Location: Mu	215084502-63 sic Room Kitchen, 1964 - Floor Tile	<b>No</b> a, 9 x 9 Mastic	NAD (by NYS ELAP 198.6) by Karol H. Lu				
Analyst Description: Black, Horr Asbestos Types: Other Material: Non-fibrous	oogeneous, Non-Fibrous, Bulk Mate s 10.5 %	eriał	on 08/30/15				
	215084502-64 ridor Next To Music Room, 1964 - (	-	NAD (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15				
Analyst Description: Grey, Home Asbestos Types: Other Material: Non-fibrous	ogeneous, Non-Fibrous, Bulk Mater 3 71 %						

AmeriSci Job #: 215084502

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-65	215084502-65	Νο	NAD
Location: Co	orridor 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
Asbestos Types: Other Material: Non-fibrou	omogeneous, Non-Fibrous, Bulk M us 48.2 %	aterial	
81815H-66	215084502-66	Νο	NAD
Location: Co	prridor Next To Music Room, 1964	- Sheetrock Backer Board	(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Asbestos Types:	ht Brown, Heterogeneous, Fibrous		01 00,00,13
Other Material: Cellulose	20 %, Fibrous glass Trace, Non-fi	brous 80 %	

#### **Reporting Notes:**

(1) Sample prepared for analysis by ELAP 198.6 method Analyzed by: Karol H. Lu

<sup>\*</sup>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 car 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.

Table I
Summary of Bulk Asbestos Analysis Results

Client man	ne: Gheen Engineering,	, PLLC				•	Page 1 of 5
				Table I			
		Summ	ary of Bulk	Asbestos Ana	lysis Results		
				llus CSD Main; H			
AmeriSci Sample #	Client Sample#	Sample HG Weight Area (gram)	Heat Sensitive Organic %	Acid Sołuble 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, 1	969 - Ceiling Tile, 1 x 1 Pin/F	issure				
02	81815H-02	0.314	55.4	11.5	33.1	NAD	NAD
Location:	Corridor Outside Art Room, 1	969 - Ceiling Tile, 1 x 1 Pin/F	issure, Mastic				
03	81815H-03	4946/00 Re			100-107 v 00 V 00	NAD	NA
Location:	Corridor Outside Art Room, 1	969 - Sheetrock Back Board					
04	81815H-04	0.215	15.8	34.9	49.3	NAD	NAD
		ceiling Tile, 2 x 4 Pin					
05	81815H-05	-			#PA 19-11	NAD	NA
	Classroom 301, 1969 - Sand	Plaster, Surface Coat					
06	81815H-06					NAD	NA
	Classroom 301, 1969 - Sand						
07	81815H-07	0.264	18.2	42.8	39.0	NAD	NAD
	Office 300, Rennov Floor T						
08	81815H-08	0.210	48.6	6.2	45.2	NAD	NAD
	Office 300, Common - Carpel	t Mastic					
09	81815H-09		<b>17-17</b> 00 100	<b>BULL</b>	*== <b>.</b>	NAD	NA
	Office 300, 1969 - Sand Plast	ter, Surface Coat					
10	81815H-10					NAD	NA
	Office 300, 1969 - Sand Plast	ter, Brown Coat					
11	81815H-11			- <del>19</del>	<b></b>	NAD	NA
	Classroom 302, Rennov Sh	IEEUOCK					
12 Lesstiant	81815H-12 Classroom 202 Bonnov To	nina Compound	****		<b></b>	NAD	NA
	Classroom 302, Rennov Ta		<b>F7 A</b>	00 <b>c</b>	00.5		
13 Location:	81815H-13 Classroom 302 Reppoy	0.200	57.0	22.5	20.5	NAD	NAD
Location: 14	Classroom 302, Rennov Co 81815H-14		64.9	5.4	<u></u>		
	Classroom 302, Rennov Co	0.129 Nye Base, Mastic	64.3	5.4	30.2	NAD	NAD
Location: 15			70 F	40.0	10.0		
	81815H-15 Classroom 305, 1969 - Older	0.349 12 x 12 Electr Tile Mastic	72.5	10.9	16.6	NAD	NAD
			40 7	4.0	5 <b>7</b> A		
16	81815H-16 Classroom 305, 1969 - Cove	0,262	42.7	1.9	55.3	NAD	NAD

## Table I Summary of Bulk Asbestos Analysis Results

15S-031; Marcellus CSD Main; High School

neriSci ample #	Client Sample#	Sample HG Weight Area (gram)		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					1976
18	81815H-18	0.110	53.6	8.2	36.4	Chrysotile 1.8	NA
Location:	Classroom 305, 1969 - Lab T	able Top, Mastic/Sealer				•	
19	81815H-19		*****			NAD	NA
Location:	Classroom 305, 1969 - Sand	Plaster, Surface Coat					
20	81815H-20		48 FR 84.487			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
	Classroom 309, 1969 - Cove	Base, Mastic					
23	81815H-23	*****				NAD	NA
	Classroom 309, 1969 - Lab T	able Top					
24	81815H-24	0.297	47.5	2.4	48.2	Chrysotile 2.0	NA
	Classroom 309, 1969 - Lab T	able Top, Mastic/Sealer					
25	81815H-25					NAD	NA
	Storage Between 305 & 307,	1969 - Sand Plaster, Surfa	ice Coat				
26	81815H-26	*****			700 H0 WA WA	NAD	NA
	Storage Between 305 & 307,	1969 - Sand Plaster, Brow	n Coat				
27	81815H-27		and the later	****		NAD	NA
	Storage Between 309 & 311,	1969 - Sand Plaster, Surfa	ice Coat				
28	81815H-28	*****			****	NAD	NA
	Storage Between 309 & 311,	1969 - Sand Plaster, Brow	n Coat				
29	81815H-29			<b></b>		Chrysotile 0.5	NA
	Corridor Next To Faculty Toile	et Room, 1969 - Ceramic V	Vall Tile, Thinset				
30	81815H-30			*****	*****	NAD	NA
	Classroom 308, Rennov Sh	IEEUTOCK					
31	81815H-31					NAD	NA
	Classroom 308, Rennov Ta						
32	81815H-32	0.219	50.2	27.4	22.4	NAD	NAD

## Table I Summary of Bulk Asbestos Analysis Results

15S-031; Marcellus CSD Main; High School

meriSci ample #	Client Sample#	Sample HG Weigh Area (gram)	t Sensitive	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 C	ove Base, Mastic				NAU NAU	NAU
34	81815H-34	0.330	21.5	43.6	34.8	NAD	NAD
Location: (	Classroom 308, Rennov F	loor Tile, 12 x 12 Cream M	ottled			1010	NAD
35	81815H-35	0.327	60.2	10.7	29.1	NAD	NAD
Location: (	Classroom 308, Rennov F	loor Tile, 12 x 12 Mastic					NAD
36	81815H-36				****	NAD	NA
Location: F	Faculty Toilet Room, 1969 -	Smooth Plaster, Surface C	Coat				NA
37	81815H-37		*****			NAD	NA
Location: F	Faculty Toilet Room, 1969 -	Smooth Plaster, Brown Co	at				NA NA
38	81815H-38	0.189	1.6	37.6	60.8	NAD	NAD
Location: (	Girls Toilet Room 311B, Con	nmon - Ceiling Tile, 2 x 4 P	'in				NAU
39	81815H-39	79 (P-11)		****	at also appear	NAD	NA
Location: S	Storage Room Next To Class	sroom 313, 1969 - Sand Pi	aster, Surface Coat				IN-A
40	81815H-40	ant say the say			100-100 AM	NAD	NA
Location: S	Storage Room Next To Class	sroom 313, 1969 - Sand Pl	aster, Brown Coat				11/4
41	81815H-41		****	******		NAD	NA
Location: (	Corridor Next To Classroom	313, 1969 - Ceramic Wall	Tile, Thinset				11/2
42	81815H-42	0.173	53.8	6.4	39.9	NAD	NAD
Location: C	Classroom 316, Rennov - Flo	oor Tile, 12 x 12 Cream Mo	ottled				NAU
43	81815H-43	0.244	7.0	67.6	25.4	NAD	NAD
Location; C	Corridor Outside Classroom	316, 1969 - Ceiling Tile, 1x	1 Pin/Fissure				NAU
44	81815H-44	****	<b>*</b>	*****	******	NAD	NA
Location: C	Classroom 317, 1969 - Sand	Plaster, Surface Coat				10.0	NA .
45	81815H-45					NAD	NA
Location: C	Classroom 317, 1969 - Sand	Plaster, Brown Coat					INA
46	81815H-46	0.201	15.9	80.6	3.5	NAD	NAD
Location: C	Classroom 320, Rennov Fl	oor Tile, 12 x 12 White-Red	d/Green Flecks				INAU
47	81815H-47	0.433	52.4	1.8	45.7	NAD	NAD
Location: C	Classroom 320, Rennov Fl	oor Tile, 12 x 12, Mastic			,		INAU
48	81815H-48					NAD	NIA
Location: C	Corridor Next To Classroom	320 1969 - Terrazzo					NA

## Table I Summary of Bulk Asbestos Analysis Results

15S-031; Marcellus CSD Main; High School

meriSci ample #	Client Sample#	Sample HG Weight Area (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					10.0	NAD
50	81815H-50	0.291	32.3	45.0	22.7	NAD	NAD
Location:	LGI, 1964 - Linoleum, Mastic						NAD .
51	81815H-51		*****			NAD	NA
Location:	LGI, 1964 - Sand Plaster, Sur	face Coat				_	
52	81815H-52		44 50-50 Mg			NAD	NA
Location:	LGI, 1964 - Sand Plaster, Bro	wn 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	2					
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
	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
	Music Room Kitchen, 1964 - C	Cove Base, 4" Mudd					
62	81815H-62	0.545	46.2	1.7	52.1	NAD	NAD
	Music Room Kitchen, 1964 - C	Cove Base, Mastic					•
63	81815H-63	0.105	76.2	13.3	10.5	NAD	NAD
Location:	Music Room Kitchen, 1964 - F	floor Tile, 9 x 9 Mastic					
64	81815H-64 Corridor Next To Music Room	0.314	12.7	16.2	71.0	NAD	NAD

Table I
ummary of Bulk Asbestos Analysis Results
15S-031: Marcellus CSD Main: High School

5-031; 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
65	81815H-65		0.166	50.6	1.2	48.2	NAD	
Location: C	Corridor Next To Music Roor	m, 1964 - Ceilii	ng Tile, 1 x 1 Fi	ssured, Mastic			NOU	NAD
66	81815H-66		-	VT- 27- 50- 50-			NAD	•••
Location: C	Corridor Next To Music Roor	m, 1964 - Shee	trock Backer B	oard			NAD	NA

Julia Internet

S

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, LLC 2

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	High School 8/18/2015	
PROJECT #:	15\$-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	Clasroom 301	Common	
818 <b>1</b> 5H- 05	Sand Plaster - Surface Coat	Clasroom 301	1969	
81815H- 06	Sand Plaster - Brown Coat	Clasroom 301	1969	
81815H- 07 Floor Tile - 12x12 Beige Mottled		Office 300	Rennov.	
81815H- 08	81815H- 08 Carpet Mastic Office 300		Common	
81815H- 09 Sand Plaster - Surface Coat		Office 300	1969	
<b>8</b> 1815H-10	Sand Plaster - Brown Coat	Office 300	1969	
81815H- 11	Sheet Rock	Classroom 302	Rennov.	
81815H- 12	Taping Compound	Classroom 302	Rennov.	
81815H- 13 Cove Base - 4" Tan		Classroom 302	Rennov.	
81815H- 14 Cove Base - Mastic		Classroom 302	Rennov.	
<b>8</b> 1815H~ 15	Older 12x12 Floor Tile Mastic	Classroom 305	1969	

# COLLECTED BY: Skephen Gheen H CHAIN OF CUSTODY # 2 1 5 0 8 4 5 0 2 COLLECTED BY: Skephen Gheen DATE: 8/21/2015 # OF SAMPLES: 15 This Page RECEIVED BY: DATE: 22 15 163 # OF SAMPLES: 15 This Page

#### **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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5 Day		315.362.9583	
	Stephen Gheen		Stephen.Gheen@GheenEng.com

Pg 1\_ of 5

Pg 2 of 5



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Whitesboro, NY 13492

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## 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	Plaster - Brown Coat Classroom 305	
81815H- 21	Cove Base - 4 <sup>∗</sup> 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
8181SH- 29	Ceramic Wall Tile - Thinset	Corridor Next to Faculty Toilet Room 1	
81815H- 30	Sheet Rock	Classroom 308	Rennov.

## #215084502 COLLECTED BY: Stephen Gheen COLLECTED BY: Stephen Gheen DATE: 8/21/2015 # OF SAMPLES: 151635 DATE: BY: COLLECTED BY: DATE: BY: COLLECTED BY: DATE: BY: BY: DATE: BATE: BATE:

#### **ANALYSIS**

REFERENCE METHOD	METHOD DESCRIPTION
NYS ELAP	NOB & Ceiling Tile with Cellulose-198.6/198.4 (Confirmation Only); All Others - 198.1

#### **INSTRUCTIONS**

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Pg 3 of 5



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## SAMPLE CHAIN OF CUSTODY FORM

PROJECT NAME:	Marcellus CSD Main 155-031		BUILDING: High School	
PROJECT #:			DATE: 8/18/2015	
SAMPLE NUMBER	HM	MATERIAL	SAMPLE LOCATION	VINTAGE
81815H- 31		Taping Compound	Classroom 308	Rennov.
81815H- 32	2	Cove Base - 4" Tan	Classroom 308	Rennov.
81815H- 33		Cove Base - Mastic	Classroom 308	Rennov.
81815H- 34	ŀ	Floor Tile - 12x12 Cream Mottled	Classroom 308	Rennov.
81815H- 35		Floor tile - 12x12 Mastic	Classroom 308	Rennov.
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	Rennov.
81815H- 43		Ceiling Tile - 1x1 Pin/Fissure	Corridor Outside Classroom 316	
81815H- 44		Sand Plaster - Surface Coat	Classroom 317 1969	
81815H- 45	1	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:
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Pg\_4\_of\_5\_



Gheen Environmental Services, LLC

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#### **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	VINTAG
81815H- 46	Floor Tile - 12x12 White-Red/Gre	en Flecks Classroom 320	Rennov
81815H- 47	Floor tile - 12x12 - Mastic	Classroom 320	Rennov
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	Commoi
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** 

And A C	HAIN 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:
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81815H- 66

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Sheet Rock Backer Board

Gheen Environmental Services, LLC

44 Glenridge Rd. Whitesboro, NY 13492 Phone: 315.520.4692 Fax: 315.362.9583

Corridor Next to Music Room

#### SAMPLE CHAIN OF CUSTODY FORM

PROJECT NAME:	Marce	llus CSD Main	BUILDING:	High School	
<b>PROJECT #:</b> 155		31	DATE:	8/18/2015	
SAMPLE NUMBER	HM	MATERIAL		AMPLE LOCATION	VINTAGE
81815H- 61		Cove Base - 4" Mudd	Music Room	Kitchen	1964
81815H- 62		Cove Base - Mastic	Music Room	Kitchen	1964
81815H- 63		Floor Tile - 9x9 Mastic	Music Room	Kitchen	1964
81815H- 64	Ī	Ceiling Tile - 1x1 Fissured	Corridor Nex	t to Music Room	1964
81815H- 65		Ceiling Tile - 1x1 Fissured - Mastic	Corridor Nex	t to Music Room	1964

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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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1964

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	VA 23112		
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#### FACSIMILE TELECOPY TRANSMISSION

To:	Stephen Gheen	From:	Karol H. Lu
	Gheen Engineering, PLLC	AmeriSci Job #:	215084500
Fax #:	(315) 362-9583	Subject:	ELAP-PLM/TEM 5 day Results
Email:	stankan abaan @akaanan ana 1 1 0 1	<b>Client Project:</b>	15S-031; Marcellus CSD Main; High School
L'man,	stephen.gheen@gheeneng.com,sandra.gheen@gheen eng.com	1	-

Date: Monday, August 31, 2015 Time: 10:23:49 Comments:

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### **PLM Bulk Asbestos Report**

Gheer	Engineering, PLLC
Attn:	Stephen Gheen
44 Gle	enridge Road

Date Received	08/25/15	AmeriSci	Jol	b #	215084500	
Date Examined	08/30/15	P.O. #				
ELAP #	11480	Page	1	of	9	
RE: 15S-031; Marcellus CSD Main; High School						

Whitesboro, NY 13492

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
81915H-01 I	215084500-01 Location: Boys Locker Room, 1964 - Ceiling Til	<b>No</b> le, Tectum	NAD (by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Asbestos Type	on: White/Beige, Heterogeneous, Fibrous, Bulk I es: al: Cellulose 80 %, Non-fibrous 20 %	Material	
81915H-02	215084500-02	No	NAD
I	Location: Boys Locker Room, 1964 - Ceramic F	Floor Tile, Grout	(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Asbestos Type	on: Grey, Homogeneous, Non-Fibrous, Cementi es: al: Non-fibrous 100 %	tious, Bulk Material	
81915H-03	215084500-03	No	NAD
I	Location: Boys Locker Room, 1964 - Ceramic F	Floor Tile, Thinset	(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Asbestos Type	on: Grey, Homogeneous, Non-Fibrous, Bulk Mat es: al: Non-fibrous 100 %	erial	
81915H-04	215084500-04	No	NAD
	Location: Boys Locker Room, 1964 - Quarry Til	e, Grout	(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Asbestos Type	on: Grey, Homogeneous, Non-Fibrous, Cementi es: al: Non-fibrous 100 %	tious, Bułk Materiał	
81915H-05	215084500-05	No	NAD
I	Location: Boys Locker Room, 1964 - Quarry Til	e, Thinset	(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Asbestos Type		erial	
Other Materi	al: Cellulose Trace, Non-fibrous 100 %		

Page 2 of 9

AmeriSci Job #: 215084500

Client Name: Gheen Engineering, PLLC

### **PLM Bulk Asbestos Report**

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
81915H-06 Locatio	215084500-06 on: Kitchen Music Room, 1964 - Sink Un	<b>Yes</b> dercoat, Lavender	9.5 % (by NYS ELAP 198.6)
			by Karol H. Lu on 08/30/15
Analyst Description: Pin Asbestos Types: Chr Other Material: Nor	•	enal	
81915H-07	215084500-07	No	NAD
	on: District Athletic Offices Storage Roon		(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Asbestos Types:	ite, Homogeneous, Non-Fibrous, Bulk Ma	aterial	
Other Material: Nor	1-fibrous 100 %		
81915H-08	215084500-08	Νο	NAD
Locatio	on: District Athletic Offices Storage Roon	n, 1964 - Sand Plaster, Brown Coat	(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: Bro Asbestos Types: Other Material: Nor	wn, Homogeneous, Non-Fibrous, Cemen	titious, Bulk Material	
	-IDIOUS TOO %		
	215084500-09	Νο	NAD
81915H-09			NAD (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
81915H-09 Locatio	215084500-09 on: District Athletic Offices Storage Room wn, Homogeneous, Non-Fibrous, Bułk Ma	n, 1964 - Ceiling Tile, 1 x 1 Stellar	(by NYS ELAP 198.6) by Karol H. Lu
81915H-09 Locatio Analyst Description: Bro Asbestos Types: Other Material: Nor	215084500-09 on: District Athletic Offices Storage Room wn, Homogeneous, Non-Fibrous, Bulk Ma I-fibrous 5.8 %	n, 1964 - Ceiling Tile, 1 x 1 Stellar aterial	(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
81915H-09 Locatio Analyst Description: Brov Asbestos Types: Other Material: Nor 81915H-10	215084500-09 on: District Athletic Offices Storage Room wn, Homogeneous, Non-Fibrous, Bułk Ma	n, 1964 - Ceiling Tile, 1 x 1 Stellar aterial <b>No</b>	(by NYS ELAP 198.6) by Karol H. Lu
81915H-09 Location Analyst Description: Brow Asbestos Types: Other Material: Nor 81915H-10 Location	215084500-09 on: District Athletic Offices Storage Room wn, Homogeneous, Non-Fibrous, Bulk Ma 1-fibrous 5.8 % 215084500-10 on: District Athletic Offices Storage Room Mastic wn, Homogeneous, Non-Fibrous, Bulk Ma	n, 1964 - Ceiling Tile, 1 x 1 Stellar aterial <b>No</b> n, 1964 - Ceiling Tile, 1 x 1 Stellar,	(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15 NAD (by NYS ELAP 198.6) by Karol H. Lu
31915H-09 Location Analyst Description: Brow Asbestos Types: Other Material: Nor 31915H-10 Location Analyst Description: Brow Asbestos Types: Other Material: Nor	215084500-09 on: District Athletic Offices Storage Room wn, Homogeneous, Non-Fibrous, Bulk Ma 1-fibrous 5.8 % 215084500-10 on: District Athletic Offices Storage Room Mastic wn, Homogeneous, Non-Fibrous, Bulk Ma	n, 1964 - Ceiling Tile, 1 x 1 Stellar aterial <b>No</b> n, 1964 - Ceiling Tile, 1 x 1 Stellar,	(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15 NAD (by NYS ELAP 198.6) by Karol H. Lu
81915H-09 Location Analyst Description: Brow Asbestos Types: Other Material: Nor 81915H-10 Location Analyst Description: Brow Asbestos Types: Other Material: Nor 81915H-11	215084500-09 on: District Athletic Offices Storage Room wn, Homogeneous, Non-Fibrous, Bulk Ma a-fibrous 5.8 % 215084500-10 on: District Athletic Offices Storage Room Mastic wn, Homogeneous, Non-Fibrous, Bulk Ma a-fibrous 48 %	n, 1964 - Ceiling Tile, 1 x 1 Stellar aterial No n, 1964 - Ceiling Tile, 1 x 1 Stellar, aterial <b>No</b>	(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15 NAD (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15

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AmeriSci Job #: 215084500

Client Name: Gheen Engineering, PLLC

### **PLM Bulk Asbestos Report**

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbesto
81915H-12	215084500-12	<b>No</b>	
LO	cation: District Athletic Offices Storage Roon	n, 1964 - Cove Base, 4 Mudd	(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Asbestos Types:	Brown, Homogeneous, Non-Fibrous, Bulk Ma Non-fibrous 55.5 %	aterial	
81915H-13	215084500-13	Yes	<sup>-</sup> race (<0.25 % pc) <sup>1</sup>
	cation: District Athletic Offices Storage Room	n, 1964 - Cove Base, Mastic	(EPA 400 PC) by Karol H. Lu on 08/30/15
Asbestos Types:	: Brown, Homogeneous, Non-Fibrous, Bulk Ma : Chrysotile <0.25 % pc Non-fibrous 53 %	aterial	
81915H-14	215084500-14	Νο	NAD
Lo	cation: Classroom 213, 1964 - Sand Plaster,	Surface Coat	(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Asbestos Types:	White, Homogeneous, Non-Fibrous, Bulk Ma Non-fibrous 100 %	iterial	
81915 <b>H</b> -15	215084500-15	No	NAD
Lo	cation: Classroom 213, 1964 - Sand Plaster,	Brown Coat	(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Asbestos Types:	Brown, Homogeneous, Non-Fibrous, Cement Non-fibrous 100 %	titious, Bulk Material	
81915H-16	215084500-16	Νο	NAD
Lo	cation: Classroom 211, Common - Floor Tile,	, 12 x 12 White-Red / Green-Fleck	s (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Asbestos Types:	White/Red, Homogeneous, Non-Fibrous, Bull Non-fibrous 7.3 %	k Material	
81915H-17	215084500-17		race (<0.25 % pc) <sup>1</sup>
Loe	cation: Classroom 211, Common - Floor Tile,	, 12 x 12 Mastic	(EPA 400 PC) by Karol H. Lu on 08/30/15
A subject Disk of the	Tan/Grey, Heterogeneous, Non-Fibrous, Bulk		

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AmeriSci Job #: 215084500

Client Name: Gheen Engineering, PLLC

### **PLM Bulk Asbestos Report**

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
81915H-18	215084500-18 Location: Girls Toilet Room 2nd Floor, 1964 - S	<b>No</b> Smooth Plaster, Surface Coat	NAD (by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Asbestos Typ	on: White, Homogeneous, Non-Fibrous, Bulk Ma es: ial: Non-fibrous 100 %	aterial	
81915H-19	215084500-19 Location: Girls Toilet Room 2nd Floor, 1964 - S	<b>No</b> Smooth Plaster, Brown Coat	NAD (by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Asbestos Typ	on: Brown, Homogeneous, Non-Fibrous, Cemen es: ial: Cellulose Trace, Non-fibrous 100 %	titious, Bulk Material	
81915H-20	215084500-20 Location: Classroom 209, 1964 - Cove Base, 4	<b>No</b> " Black	NAD (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Asbestos Typ	on: Black, Homogeneous, Non-Fibrous, Bulk Ma es: ial: Non-fibrous 22.1 %	terial	
81915H-21	215084500-21 Location: Classroom 209, 1964 - Cove Base, M	<b>Yes</b> Iastic	2.4 % (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Asbestos Typ	on: Brown, Homogeneous, Non-Fibrous, Bulk Ma es: Chrysotile 2.4 % ial: Non-fibrous 16 %	aterial	
81915H-22	215084500-22 Location: Classroom 207, 1964 - Lab Table Top	<b>No</b> p, Mastic/Sealer	NAD (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Asbestos Typ	on: Brown/Clear, Heterogeneous, Non-Fibrous, E es: al: Non-fibrous 30.3 %	Bulk Material	
	215084500-23 Location: Classroom 207, 1964 - Sand Plaster,		NAD (by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Asbestos Type	on: White, Homogeneous, Non-Fibrous, Bulk Ma es: al: Non-fibrous 100 %	ite i ai	

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AmeriSci Job #: 215084500

Client Name: Gheen Engineering, PLLC

### **PLM Bulk Asbestos Report**

Client No. / HGA	Lab No.	<b>Asbestos Present</b>	Total % Asbestos
81915H-24	215084500-24 Location: Classroom 207, 1964 - Sand Plaster,	<b>No</b> Brown Coat	NAD (by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Asbestos Type	on: Brown, Homogeneous, Non-Fibrous, Cement es: al: Non-fibrous 100 %	itious, Bulk Material	
	215084500-25 Location: Classroom 207, 1964 - Lab Table Top		NAD (by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Asbestos Type	on: Black/Brown, Homogeneous, Non-Fibrous, B es: al: Non-fibrous 100 %	ulk Material	
81915H-26	215084500-26 Location: Classroom 207, 1964 - Hood Lining	No	NAD (by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Asbestos Typ	on: Dark Grey, Homogeneous, Fibrous, Bulk Mat es: ial: Cellulose 5 %, Fibrous glass 10 %, Non-fibr		
81915H-27	215084500-27 Location: Classroom 207, 1964 - Hood Lining	No	NAD (by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Asbestos Typ	on: Dark Grey, Homogeneous, Fibrous, Bulk Mat es: ial: Cellulose 5 %, Fibrous glass 10 %, Non-fibr		
81915H-28	215084500-28 Location: Storage Room Between 205 & 207, 1	<b>No</b> 964 - Cove Base, 4" Black	NAD (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Asbestos Typ	on: Black, Homogeneous, Non-Fibrous, Bulk Mai es: ial: Non-fibrous 51.4 %	terial	
81915H-29	215084500-29 Location: Storage Room Between 205 & 207, 1	<b>Yes</b> 964 - Cove Base, Mastic	Trace (<0.25 % pc) <sup>1</sup> (EPA 400 PC) by Karol H. Lu on 08/30/15
Asbestos Typ	on: Black/Grey, Heterogeneous, Non-Fibrous, Βι es: Chrysotile <0.25 % ρc ial: Non-fibrous 27.9 %	ulk Material	

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AmeriSci Job #: 215084500

Client Name: Gheen Engineering, PLLC

### **PLM Bulk Asbestos Report**

Client No. / HG/	Lab No.	Asbestos Present	Total % Asbestos
81915H-30	215084500-30	No	NAD
	Location: Storage Room Between 205 & 20		(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Asbestos Typ	on: Black/Brown, Homogeneous, Non-Fibrou nes: ial: Non-fibrous 100 %	s, Bulk Matenal	
81915H-31	215084500-31	No	NAD
	Location: Storage Room Between 205 & 20		(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Descript Asbestos Typ	on: Brown/Clear, Heterogeneous, Non-Fibrou pes:	is, Bulk Matenal	
	ial: Non-fibrous 20.2 %		
81915H-32	215084500-32	Νο	NAD
	Location: Storage Room Between 205 & 20	7, 1964 - Ceiling Tile, 1 x 1 Stellar	(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Asbestos Typ	on: Brown, Homogeneous, Non-Fibrous, Bulk pes: ial: Non-fibrous 11.9 %	Material	
81915 <b>H</b> -33	215084500-33	Νο	NAD
	Location: Storage Room Between 205 & 20	7, 1964 - Ceiling Tile, 1 x 1 Stellar, Masti	c (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Asbestos Typ	on: Brown, Homogeneous, Non-Fibrous, Bulk es: ial: Non-fibrous 39.8 %	K Material	
81915H-34	215084500-34	No	NAD
	Location: Storage Room Between 205 & 20	7, 1964 - Sheetrock Backer Board	(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Asbestos Typ	on: Brown/White, Heterogeneous, Fibrous, Br es: ial: Cellulose 50 %, Fibrous glass Trace, No		
81915 <b>H</b> -35	215084500-35	Yes Tra	ce (<0.25 % pc) <sup>1</sup>
	Location: Classroom 204, 1964 - Interior Do		(EPA 400 PC) by Karol H. Lu on 08/30/15
Analyst Descripti	on: Black, Homogeneous, Non-Fibrous, Bulk es: Chrysotile <0.25 % pc	Material	

AmeriSci Job #: **215084500** 

Client Name: Gheen Engineering, PLLC

### **PLM Bulk Asbestos Report**

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
81915H-36	215084500-36.1	No	NAD
Loca	tion: Teachers Toilet Room 2nd Floor, 196 Coat	64 - Smooth Plaster, Layered - White	(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: W Asbestos Types: Other Material: N	/hite, Homogeneous, Non-Fibrous, Bulk Ma	aterial	
81915H-36	215084500-36.2	No	NAD
	tion: Teachers Toilet Room 2nd Floor, 196 Coat		(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: G Asbestos Types: Other Material: N	irey, Homogeneous, Non-Fibrous, Cementi on-fibrous 100 %	tious, Bulk Material	
	215084500-37	No	NAD
	tion: Teachers Toilet Room 2nd Floor, 196	64 - Ceramic Floor Tíle, Grout	(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Asbestos Types:	ffWhite, Homogeneous, Non-Fibrous, Bulk ellulose Trace, Non-fibrous 100 %	Material	
81915H-38	215084500-38	Yes	0.3 %
Loca	tion: Teachers Toilet Room 2nd Floor, 196	4 - Ceramic Floor Tile, Thinset	(EPA 400 PC) by Karol H. Lu on 08/30/15
Analyst Description: O Asbestos Types: C Other Material: N	-	Material	
81915 <b>H-</b> 39	215084500-39.1	Νο	NAD
Loca	tion: Storage Next To Classroom 210, 196	4 - Sand Plaster, Layered - White Coat	(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: W Asbestos Types: Other Material: N	/hite, Homogeneous, Non-Fibrous, Bulk Ma on-fibrous 100 %	iterial	
		Νο	
	215084500-39.2	110	NAD
81915H-39 Locat	215084500-39.2 tion: Storage Next To Classroom 210, 196 rey, Homogeneous, Non-Fibrous, Cementit	4 - Sand Plaster, Layered - Grey Coat	NAD (by NYS ELAP 198.1) by Karol H. Lu on 08/30/15

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AmeriSci Job #: 215084500

Client Name: Gheen Engineering, PLLC

### **PLM Bulk Asbestos Report**

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
81915Н-40 <b>Loca</b>	215084500-40 tion: Classroom 209, 1964 - Interior Door L	<b>Yes</b> Light Glazing Compound	Trace (<0.25 % pc) <sup>1</sup> (EPA 400 PC) by Karol H. Lu on 08/30/15
	lack, Homogeneous, Non-Fibrous, Bulk Mat hrysotile <0.25 % pc on-fibrous 6.4 %	terial	
	215084500-41 tion: Stock, Connect Add Ceiling Tile, 2 >		NAD (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: G Asbestos Types: Other Material: N	rey, Homogeneous, Non-Fibrous, Bulk Mate	erial	
81915H-42 Loca	215084500-42 tion: Stock, Connect Add Ceiling Tile, 2	<b>No</b> x 2 Regular Squares	NAD (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: G Asbestos Types: Other Material: N	rey, Homogeneous, Non-Fibrous, Bulk Mate on-fibrous 26 %	erial	
81915H-43 Loca	215084500-43 tion: Classroom 301, 1969 - Interior Door L	<b>No</b> ight Glazing Compound	NAD (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Bl Asbestos Types: Other Material: N	ack, Homogeneous, Non-Fibrous, Bulk Mat on-fibrous 21.8 %	terial	
81915H-44 Loca	215084500-44 tion: Crawlspace, 1969 - Tar On Fiberglass	<b>Yes</b> s Fitting Insulation	17.8 % (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Bl Asbestos Types: Cl Other Material: N	-	terial	
81915H-45 Locat	215084500-45 tion: Crawlspace, 1969 - Tar On Fiberglass	<b>Yes</b> s Fitting Insulation	6.9 % (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Bl Asbestos Types: Cl Other Material: No		erial	

AmeriSci Job #: **215084500** 

Client Name: Gheen Engineering, PLLC

### **PLM Bulk Asbestos Report**

15S-031; Marcellus CSD Main; High School

Location: Classroom 315, 1969 - Interior Door Light Glazing Compound       (by NYS EL         by Karol H.       on 08/30/15         Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material       on 08/30/15         Asbestos Types:       Other Material: Non-fibrous 23.8 %         81915H-47       215084500-47       No         Location: Crawlspace, 1964 - Duct Pin Mastic       (by NYS EL         by Karol H.       by Karol H.	lient No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 23.8 % 81915H-47 215084500-47 No No Location: Crawlspace, 1964 - Duct Pin Mastic (by NYS EL by Karol H. on 08/30/15 Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types:	1915H-46	215084500-46	No	NAD
Asbestos Types: Other Material: Non-fibrous 23.8 % 81915H-47 215084500-47 No No Location: Crawlspace, 1964 - Duct Pin Mastic (by NYS EL by Karol H. on 08/30/15 Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types:	L	ocation: Classroom 315, 1969 - Interior Door	Light Glazing Compound	(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Location: Crawlspace, 1964 - Duct Pin Mastic (by NYS EL by Karol H. on 08/30/15 Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types:	Asbestos Type Other Materia	s: I: Non-fibrous 23.8 %		
by Karol H. on 08/30/15 Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types:			NO	NAD
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types:	L	ocation: Crawlspace, 1964 - Duct Pin Mastic		(by NYS ELAP 198.6)
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types:				by Karol H. Lu
Asbestos Types:				on 08/30/15
••	Analyst Description	n: Tan, Homogeneous, Non-Fibrous, Bulk Mate	erial	
Other Materials Non-through 1,79/	Asbestos Type	S:		
Other Material: NON-MOIOUS 1.7 %	Other Materia	I: 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 car 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

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Table I
Summary of Bulk Asbestos Analysis Results
15S 031: Marcollus CSD Main: High School

15S-031; Marcellus CSD Main; High School

neriSci mple #	Client Sample#	Sample HG Weight Area (gram)	Sensitive	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	81915H-01			ve we wase	****	NAD	NA
Location:	Boys Locker Room, 1964 - C	Ceiling Tile, Tectum					
02	81915H-02		<del></del>			NAD	NA
Location:	Boys Locker Room, 1964 - C	Ceramic Floor Tile, Grout					
03	81915H-03	M PA MARI	*******			NAD	NA
Location:	Boys Locker Room, 1964 - C	Ceramic Floor Tile, Thinset					
04	81915H-04	445 306 607 401				NAD	NA
Location:	Boys Locker Room, 1964 - C	Quarry Tile, Grout					
05	81915H-05					NAD	NA
Location:	Boys Locker Room, 1964 - C	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 Stora	ige Room, 1964 - Sand Pla	ster, Surface Coat				
08	81915H-08					NAD	NA
Location:	District Athletic Offices Stora	ige Room, 1964 - Sand Pla	ister, Brown Coat				
09	81915H-09	0.275	92.7	1.5	5.8	NAD	NAD
Location:	District Athletic Offices Stora	ige Room, 1964 - Ceiling T	ile, 1 x 1 Stellar				
10	81915H-10	0.659	51.1	0.9	48.0	NAD	NAD
Location:	District Athletic Offices Stora	ige Room, 1964 - Ceiling T	ile, 1 x 1 Stellar, Masi	ic			
11	81915H-11		w weather		700 PP 995-995	NAD	NA
	District Athletic Offices Stora	-					
12	81915H-12	0.209	38.8	5.7	55.5	NAD	NAD
	District Athletic Offices Stora	-					
13	81915H-13	0.381	43.3	3.7	52.9	Chrysotile <0.25	Chrysotile Trace
	District Athletic Offices Stora	ige Room, 1964 - Cove Ba	se, Mastic				
14	81915H-14					NAD	NA
	Classroom 213, 1964 - Sand	Plaster, Surface Coat					
15	81915H-15			was.er ==		NAD	NA
	Classroom 213, 1964 - Sand						
16	81915H-16	0.262	16.4	76.3	7.3	NAD	NAD

# Table I Summary of Bulk Asbestos Analysis Results 150 024

15S-031; Marcellus CSD Main; High School

neriSci mple #	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 - F	loor Tile, 12 x <sup>-</sup>	12 Mastic					-
18	81915H-18						NAD	NA
Location:	Girls Toilet Room 2nd Floor,	1964 - Smooth	Plaster, Surfac	ce 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 1	Table Top, Mas	tic/Sealer					
23	81915H-23			****	~~~~~	****	NAD	NA
Location:	Classroom 207, 1964 - Sand	Plaster, Surfac	ce Coat					
24	81915H-24						NAD	NA
Location:	Classroom 207, 1964 - Sand	Plaster, Brown	Coat					
25	81915H-25			14, 16, yr	We want our	Alle Alle Sale	NAD	NA
Location:	Classroom 207, 1964 - Lab 1	Table Top						
26	81915H-26			11 a 2	Photo-Wite	****	NAD	NA
Location:	Classroom 207, 1964 - Hood	l Lining						
27	81915H-27						NAD	NA
Location:	Classroom 207, 1964 - Hood	l Lining						
28	81915H-28		0.358	43.0	5.6	51.4	NAD	NAD
	Storage Room Between 205	& 207, 1964 - 0	Cove Base, 4" I	Black				
29	81915H-29		0.111	56.8	15.3	27.6	Chrysotile <0.25	Chrysotile Trace
	Storage Room Between 205	& 207, 1964 - 0	Cove Base, Ma	stic				Anthophyllite <1.0
30	81915H-30						NAD	NA
Location:	Storage Room Between 205	& 207, 1964 - l	_ab Table Top					
31	81915H-31		0.104	79.8	0.0	20.2	NAD	NAD
	Storage Room Between 205	& 207, 1964 - I						
32	81915H-32		0.219	87.2	0.9	11.9	NAD	NAD

# Table I Summary of Bulk Asbestos Analysis Results

15S-031; Marcellus CSD Main; High School

neriSci mple #	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. <b>467</b>	51.4	8.8	39.8	NAD	NAD
Location:	Storage Room Between 205	& 207, 1964 - 0	Ceiling Tile, 1 x	1 Stellar, Mastic				
34	81915H-34			<b></b>			NAD	NA
Location:	Storage Room Between 205	& 207, 1964 - S	Sheetrock Back	er Board				
35	81915H-35		0.181	86.7	8.8	2.2	Chrysotile <0.25	Chrysotile 2.2
Location:	Classroom 204, 1964 - Interi	or Door Light Gi	lazing Compou	nd				
36.1	81915H-36						NAD	NA
Location:	Teachers Toilet Room 2nd F	loor, 1964 - Sm	ooth Plaster, L	ayered - White Coa	t			
36.2	81915H-36			*****		****	NAD	NA
Location:	Teachers Toilet Room 2nd F	loor, 1964 - Sm	ooth Plaster, L	ayered - Grey Coat				
37	81915H-37		BAT 188-587-189				NAD	NA
Location:	Teachers Toilet Room 2nd F	loor, 1964 - Cer	amic Floor Tile	e, Grout				
38	81915H-38					<b>20 00 00 00</b>	Chrysotile 0.3	NA
Location:	Teachers Toilet Room 2nd F	loor, 1964 - Cer	amic Floor Tile	e, Thinset				
39.1	81915H-39			***	441 60°-86,198		NAD	NA
Location:	Storage Next To Classroom	210, 1964 - San	id Plaster, Laye	ered - White Coat				
39.2	81915H-39				*****	****	NAD	NA
Location:	Storage Next To Classroom	210, 1964 - San	d Plaster, Laye	ered - Grey Coat				
40	81915H-40		0.204	89.2	4.4	3.2	Chrysotile <0.25	Chrysotile 3.2
Location:	Classroom 209, 1964 - Interi	or Door Light G	lazing Compou	nd				
41	81915H-41		0.295	11.9	64.1	24.1	NAD	NAD
Location:	Stock, Connect Add Ceiling	g Tile, 2 x 2 Reg	gular Squares					
42	81915H-42		0.285	12.6	61.4	26.0	NAD	NAD
	Stock, Connect Add Ceiling	g Tile, 2 x 2 Re	gular Squares					
43	81915H-43		0.293	74.4	3.8	21.8	NAD	NAD
Location:	Classroom 301, 1969 - Interi	or Door Light G	lazing Compou					
44	81915H-44		0.372	57.8	6.7	17.8	Chrysotile 17.8	NA
Location:	Crawlspace, 1969 - Tar On F	iberglass Fitting	g Insulation					
45	81915H-45		0.283	51.6	20.8	20.7	Chrysotile 6.9	NA
Location:	Crawlspace, 1969 - Tar On F	iberglass Fitting	g Insulation					
46	81915H-46		0.407	74.0	2.2	23.8	NAD	NAD

# Table I Summary of Bulk Asbestos Analysis Results 155 021: Marcollun CSD Main: High School

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	: (888) 201
47	81915H-47		0.118	95.8	2.5	1.7	NAD	NAD	-25
	Desidences 4004 Duet Die	Mantin							6

Location: Crawlspace, 1964 - Duct Pin Mastic

0 ; Date Analyzed 8/31/2015

Analyzed by: Marik Peysakhov\_\_\_

\*\*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:\_\_\_\_\_

81915H- 09

81915H~ 10

81915H- 11

81915H- 12

8191SH-13

81915H-14

81915H- 15



Ceiling Tile - 1x1 Stellar

Sheet Rock Backer Board

Sand Plaster - Surface Coat

Sand Plaster - Brown Coat

Cove Base - 4" Mudd

Cove Base - Mastic

Ceiling Tile - 1x1 Stellar - Mastic

44 Glenridge Rd. Whitesboro, NY 13492 Phone: 315.520-4692 Fax: 315.362.9583

District Athletic Offices Storage Room

District Athletic Offices Storage Room

**District Athletic Offices Storage Room** 

District Athletic Offices Storage Room

District Athletic Offices Storage Room

Classroom 213

Classroom 213

#### SAMPLE CHAIN OF CUSTODY FORM

PROJECT NAME:	Marcellus CSD Main		BUILDING:	High School	
PROJECT #:	15\$-03	31	DATE:	8/19/2015	
SAMPLE NUMBER	HM	MATERIAL		AMPLE 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 I	Room	1964
81915H- 06		Sink Undercoat - Lavender	Kitchen Musi	c Room	1964
81915H- 07		Sand Plaster - Surface Coat	District Athle	tic Offices Storage Room	1964
81915H- 08		Sand Plaster - Brown Coat	District Athle	tic Offices Storage Room	1964

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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

Pg <u>1</u> of <u>4</u>

1964

1964

1964

1964

1964

1964

1964

Pg 2 of 4



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#### SAMPLE CHAIN OF CUSTODY FORM

PROJECT NAME:	Marcellus C5D Main	BUILDING:	High School
PROJECT #:	155-031	DATE:	8/19/2015
SAMPLE NUMBER	I HM MATERIAL		SAMPLE LOCATION VINTAGE

			VII
81915H- 16	Floor Tile - 12x12 Whi	ite-Red/Green Flecks Classroom 211	Common
81915H- 17	Floor Tile - 12x12 Mas	stic Classroom 211	Common
81915H- 18	Smooth Plaster - Surfa	ace Coat Girls Toilet Room 2nd Floor	1964
81915H- 19	Smooth Plaster - Brow	vn 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	c/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
81 <b>9</b> 15H- 30	Lab Table Top	Storage Room Between 205&207	1964

M V	CHAIN OF CUSTODY	#21	5084500
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#### **ANALYSIS**

NYS ELAP	NOB & Ceiling Tile with Cellulose-198.6/198.4 (Confirmation Only); All Others - 198.1
REFERENCE METHOD	METHOD DESCRIPTION

#### **INSTRUCTIONS**

TURNAROUND:	CONTACT:	FAX:	EMAIL:
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From: Amerisci Richmond Fax: (888) 201-2516

To: +13153629583



44 Glenridge Rd. Whitesboro, NY 13492

#### SAMPLE CHAIN OF CUSTODY FORM

PROJECT NAME: Marcellus C5D Main		llus C5D Main	BUILDING:	High School	
PROJECT #:	155-03	1	DATE:	8/19/2015	
SAMPLE NUMBER	HM	MATERIAL		AMPLE LOCATION	VINTAGE
81915H- 31		Lab Table Top - Mastic/Sealer	Storage Rooi	m Between 205&207	1964
8191SH- 32		Ceiling Tile - 1x1 Stellar	Storage Roor	n Between 205&207	1964
81915H- 33		Ceiling Tile - 1x1 Stellar - Mastic	Storage Roor	n Between 205&207	1964
81915H- 34		Sheet Rock Backer Board	Storage Roor	n Between 205&207	1964
81915H- 35		Interior Door Light Glazing Compound	Classroom 20	)4	1964
8191SH- 36		Smooth Plaster - Layered	Teachers Toi	et Room 2nd Floor	1964
81915H- 37		Ceramic Floor Tile - Grout	Teachers Toil	et Room 2nd Floor	1964
81915H- 38		Ceramic Floor Tile - Thinset	Teachers Toil	et Room 2nd Floor	1964
81915H- 39		Sand Plaster - Layered	Storage Next	to Classroom 210	1964
81915H- 40		Interior Door Light Glazing Compound	Classroom 20	9	1964
81915H- 41		Ceiling Tile - 2x2 Tegular Squares	Stock	<b></b>	Connect Add
81915H- 42		Ceiling Tile - 2x2 Tegular Squares	Stock	·	Connect Add
81915H- 43		Interior Door Light Glazing Compound	Classroom 30	)1	1969
81915H- 44		Tar on Fiberglass Fitting Insulation	Crawlspace		1969
81915H- 45		Tar on Fiberglass Fitting Insulation	Crawlspace		1969

	AI	CHAIN O	F CUSTODY	#2	150845	00
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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

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Phone: 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	LINA		

SAMPLE NUMBER	HM	MATERIAL	SAMPLE LOCATION	VINTAGE
81915H- <b>4</b> 6		Interior Door Light Glazing Compound	Classroom 315	1969
81915H- 47		Duct Pin Mastic	Crawlspace	1964
		· ·		
			· · · · · · · · · · · · · · · · · · ·	
······································				
			n	,

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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**

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FAX	Date:	08/31/2015
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### NOTE:

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#### FACSIMILE TELECOPY TRANSMISSION

To:	Stephen Gheen	From:	Karol H. Lu
	Gheen Engineering, PLLC	AmeriSci Job #:	215084501
Fax #:	(315) 362-9583	Subject:	ELAP-PLM/TEM 5 day Results
Email:	stephen.gheen@gheeneng.com,sandra.gheen@gheen eng.com	<b>Client Project:</b>	15S-031; Marcellus CSD Main; High School

Date: Monday, August 31, 2015 Time: 16:52:55 Comments: Number of Pages: (including cover sheet)

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### **PLM Bulk Asbestos Report**

Date Received	08/25/15	AmeriSci Job #	215084501
Date Examined	08/30/15	P.O. #	22000/001
ELAP #	11480	Page 1 of	9
<b>RE:</b> 15S-031; Ma	rcellus CSD	Main; High School	

Whitesboro, NY 13492

Gheen Engineering, PLLC Attn: Stephen Gheen 44 Glenridge Road

Client No. /	HGA	Lab No.	Asbestos Present	Total % Asbestos					
82015H-01		215084501-01	Yes	11.1 %					
Analyst Des	Location: Library Kitchen - 1964 - Sink Undercoat - Lavender Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material								
Asbesto	s Types: Chrysotile 11. Material: Non-fibrous 30	1 %	ena						
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					
Asbestos	ription: Brown, Homog 7 Types: laterial: Non-fibrous 45	eneous, Non-Fibrous, Bulk Ma .2 %	aterial	01 08/30/15					
82015H-03		215084501-03	No	NAD					
	Location: Room 1	01 - 1964 - Ceiling Tile - 1 x 1	Pin / Fissure	(by NYS ELAP 198.6) by Karol H. Lu					
Asbestos	ription: Grey, Homoger Types: aterial: Non-fibrous 26.	neous, Non-Fibrous, Bulk Mate 3 %	erial	on 08/30/15					
82015H-04		215084501-04	No	NAD					
	Location: Room 1	01 - 1964 - Sheetrock Backer	Board	(by NYS ELAP 198.1) by Karol H. Lu					
Asbestos	Types:	eterogeneous, Fibrous, Bułk N Fibrous glass Trace, Non-fit		on 08/30/15					
82015H-05	anna agus ata anna agus dha anna a sa anna agus anna anna anna anna anna anna anna an	215084501-05	Yes	12.3 %					
	Location: Room 10	03 - 1964 - Sink Undercoat - B		(by NYS ELAP 198.6) by Karol H. Lu					
Asbestos	iption: Black, Homoger Types: Chrysotile 12.3 aterial: Non-fibrous 18.4	neous, Non-Fibrous, Bulk Mate % I %	enal	on 08/30/15					

AmeriSci Job #: 215084501

Client Name: Gheen Engineering, PLLC

### **PLM Bulk Asbestos Report**

Client No. / HG	A Lab No.	Asbestos Present	Total % Asbestos
82015H-06 Analyst Descript Asbestos Ty	215084501-06 Location: Room 103 - 1964 - Cove Base - 4" Tan ion: OffWhite, Homogeneous, Non-Fibrous, Bulk Ma	<b>No</b> terial	NAD (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
	rial: Non-fibrous 2.3 %		
82015H-07	215084501-07 Location: Room 103 - 1964 - Cove Base Mastic	No	NAD (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Asbestos Typ	ion: Brown, Homogeneous, Non-Fibrous, Bulk Materi bes: iai: Non-fibrous 47.1 %	al	
82015H-08	215084501-08 Location: Library Kitchen - 1964 - Cove Base - 4" B	<b>No</b> lack	NAD (by NYS ELAP 198.6) by Karol H. Lu
Asbestos Typ	on: Black, Homogeneous, Non-Fibrous, Bulk Materia es: ial: Non-fibrous 4.4 %	1	on 08/30/15
82015H-09	215084501-09 Location: Library Kitchen - 1964 - Cove Base Masti	No	NAD (by NYS ELAP 198.6) by Karol H. Lu
Asbestos Typ	on: Brown, Homogeneous, Non-Fibrous, Bulk Materia es: al: Non-fibrous 45.9 %	<b>a</b> l	on 08/30/15
82015H-10	215084501-10 Location: Room 107 - 1964 - Cove Base - 4" Tan	No	NAD (by NYS ELAP 198.6) by Karol H. Lu
Asbestos Type	on: Beige, Homogeneous, Non-Fibrous, Bulk Materia es: al: Non-fibrous 0.9 %		on 08/30/15
Analyst Descriptio	215084501-11 •ocation: Mens Toilet Room Next To Auditorium - 19 Specks n: Beige, Homogeneous, Non-Fibrous, Bulk Material •s: Chrysotile 1.6 %		1.7 % owr (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15

AmeriSci Job #: 215084501

Client Name: Gheen Engineering, PLLC

Page 3 of 9

### **PLM Bulk Asbestos Report**

Client No. / HGA	L	Lab No.	Asbestos Present	Total % Asbestos
	Location: Mens Toilet Roo		<b>No</b> m - 1977 - Floor Tile - 12 x 12 Ma	NAD astic (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Asbestos Type	on: Tan/Beige, Heterogeneo es: al: Non-fibrous 46.7 %	ous, Non-Fibrous, Bu	Ik Material	01 00/30/10
82015H-13		15084501-13 n Next To Auditoriur	<b>No</b> n - 1977 - Cove Base - 4" Brown	NAD (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Asbestos Type	n: Brown, Homogeneous, N es: al: Non-fibrous 3.4 %	lon-Fibrous, Bulk Ma	aterial	01100/30/13
82015H-14 เ	—	5084501-14 n Next To Audiotoriu	<b>No</b> m - 1977 - Cove Base - Mastic	NAD (by NYS ELAP 198.6) by Karol H. Lu
Asbestos Type	n: Brown, Homogeneous, N s: II: Non-fibrous 42.4 %	lon-Fibrous, Bulk Ma	terial	on 08/30/15
82015H-15 L		5084501-15 m Next To Auditoriu s	<b>Yes</b> m - 1977 - Floor Ti <del>le</del> - 12 x 12	Trace (<0.25 % pc) <sup>1</sup> (EPA 400 PC) by Karol H. Lu
Asbestos Type	n: Beige, Homogeneous, No s: Chrysotile <0.25 % pc I: Non-fibrous 6.6 %	on-Fibrous, Bulk Mat	erial	on 08/30/15
B2015H-16 L		5084501-16 m Next To Auditoriur s - Mastic	<b>No</b> n - 1977 - Floor Tile - 12 x 12	NAD (by NYS ELAP 198.6)
Asbestos Types	ı: Beige/Tan, Heterogeneou		< Material	by Karol H. Lu on 08/30/15
Analyst Description	cation: Ladies Toilet Roor : Brown, Homogeneous, No		<b>No</b> n - 1977 - Cove Base - 4" Brown erial	NAD (by NYS ELAP 198.6) by Karoi H. Lu on 08/30/15
Asbestos Types	: : Non-fibrous 23.7 %			

Page 4 of 9

AmeriSci Job #: 215084501

Client Name: Gheen Engineering, PLLC

### **PLM Bulk Asbestos Report**

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
82015H-18	215084501-18	No	NAD
	adies Toilet Room Next To Auditoriu		(by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Analyst Description: Brown, H Asbestos Types: Other Material: Non-fibro	omogeneous, Non-Fibrous, Bulk Ma us 46.4 %	aterial	
82015H-19	215084501-19	No	NAD
		n - 1977 - Ceramic Wall Tile - Grout	(by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: White, Ho Asbestos Types:	mogeneous, Non-Fibrous, Bulk Ma	terial	
Other Material: Non-fibrou	us 100 %		
82015H-20	215084501-20	No	NAD
Location: Me		- 1977 - Ceramic Wall Tile - Mastic	(by NYS ELAP 198.6) by Karol H. Lu
Analyst Description: Brown, Ho Asbestos Types: Other Material: Non-fibrou	mogeneous, Non-Fibrous, Bulk Ma s 41.8 %	terial	on 08/30/15
82015H-21	215084501-21	No	NAD
Location: Me	ns Toilet Room Next To Auditorium	- 1977 - Sheetrock	(by NYS ELAP 198.1) by Karol H. Lu
Asbestos Types:	ite, Heterogeneous, Fibrous, Bulk N 15 %, Fibrous glass Trace, Non-fib		on 08/30/15
B2015H-22			·····
—	215084501-22 ns Toilet Room Next To Auditorium	No - 1977 - Taping Compound	
			(by NYS ELAP 198.1) by K <b>a</b> rol H. Lu on 08/30/15
Analyst Description: White, Hor Asbestos Types: Other Material: Non-fibrous	nogerieous, Non-Fibrous, Bulk Mate s 100 %	erial	
2015H-23	215084501-23	No	
	ies Toilet Room Next To Auditorium	- 1977 - Ceramic Wall Tile - Grout	NAD (by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Analyst Description: White, Horr Asbestos Types: Other Material: Non-fibrous	nogeneous, Non-Fibrous, Bulk Mate	rial	

Page 5 of 9

AmeriSci Job #: 215084501

Client Name: Gheen Engineering, PLLC

### **PLM Bulk Asbestos Report**

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
82015H-24	215084501-24 Location: Ladies Toilet Room Next To Auditoriun	<b>No</b> n - 1977 - Ceramic Wall Tile - Mastic	NAD (by NYS ELAP 198.6) by Karol H. Lu
Asbestos Type	on: Brown, Homogeneous, Non-Fibrous, Bulk Mates: al: Non-fibrous 36.5 %	erial	on 08/30/15
82015H-25 I	215084501-25 Location: Ladies Toilet Room Next To Auditorium	<b>No</b> n - 1977 - Sheetrock	NAD (by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
Asbestos Type	n: Brown/White, Heterogeneous, Fibrous, Bulk M s: al: Cellulose 15 %, Non-fibrous 85 %	aterial	0100/30/13
82015H-26 L	215084501-26 ocation: Ladies Toilet Room Next To Auditorium	<b>No</b> - 1977 - Taping Compound	NAD (by NYS ELAP 198.1) by Karol H. Lu
Asbestos Type Other Materia	n: White, Homogeneous, Non-Fibrous, Bulk Mate s: II: Non-fibrous 100 %	rial	on 08/30/15
B2015H-27 L	215084501-27 ocation: Storage Room Next To Stage - 1977 - F	<b>No</b> itting Insulation	NAD (by NYS ELAP 198.1) by Karol H. Lu
Asbestos Type	n: Grey, Homogeneous, Fibrous, Bulk Materiai s: I: Fibrous glass 15 %, Non-fibrous 85 %		on 08/30/15
82015H-28 L	215084501-28 ocation: Room 106 - Ceiling Tile - Common - 2 x	<b>No</b> 2 Pin	NAD (by NYS ELAP 198.6) by Karol H. Lu
Asbestos Types	: Grey, Homogeneous, Non-Fibrous, Bulk Materia :: : Non-fibrous 53.5 %	al .	on 08/30/15
	215084501-29 cation: Room 104 - Ceiling Tile - Common - 2 x		NAD (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Asbestos Types	: Grey, Homogeneous, Non-Fibrous, Bulk Materia : : Non-fibrous 51.5 %	U.	

Page 6 of 9

AmeriSci Job #: 215084501

Client Name: Gheen Engineering, PLLC

### **PLM Bulk Asbestos Report**

215084501-30		Total % Asbestos
Location: Nurses Suite - 1964 - Sink Undercoa		
/pes:	terial	
		NAD (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
/pes:	aterial	
215084501-32 Location: Corridor Next To Life Skills - 1964 - C	<b>No</b> Ceiling Tile - 1 x 1 Fissure	NAD (by NYS ELAP 198.6) by Karol H. Lu
pes:	erial	on 08/30/15
215084501-33 Location: Art - 1964 - Cove Base - 4" Brown	No	NAD (by NYS ELAP 198.6) by Karol H. Lu
Des:	iterial	on 08/30/15
215084501-34 Location: Art - 1964 - Lab Table Top	Yes	23.5 % (by NYS ELAP 198.1) by Karol H. Lu
bes: Chrysotile 23.5 %		on 08/30/15
215084501-35 Location: Art - 1964 - Lab Table Top on: Black, Homogeneous, Fibrous, Bulk Material	Yes	19 % (by NYS ELAP 198.1) by Karol H. Lu on 08/30/15
	etion: Grey, Homogeneous, Non-Fibrous, Bulk Ma ypes: erial: Non-fibrous 38,3 % 215084501-31 Location: Life Skills - 1964 - Cove Base - 4" Br tion: Brown, Homogeneous, Non-Fibrous, Bulk Ma ypes: erial: Non-fibrous 5.6 % 215084501-32 Location: Corridor Next To Life Skills - 1964 - C tion: Grey, Homogeneous, Non-Fibrous, Bulk Mat pes: erial: Non-fibrous 21.6 % 215084501-33 Location: Art - 1964 - Cove Base - 4" Brown ion: Brown, Homogeneous, Non-Fibrous, Bulk Ma pes: rial: Non-fibrous 2.7 % 215084501-34 Location: Art - 1964 - Lab Table Top ion: Black, Homogeneous, Fibrous, Bulk Material Des: Chrysotile 23.5 % rial: Non-fibrous 76.5 %	Image: Prior Prio

Page 7 of 9

AmeriSci Job #: 215084501

Client Name: Gheen Engineering, PLLC

### **PLM Bulk Asbestos Report**

Client No. / HGA	Lab No.	<b>Asbestos Present</b>	Total % Asbestos			
	Location: Boiler Room - Boiler # 1 - 1964 - Boiler Gasket Analyst Description: White, Homogeneous, Fibrous, Bulk Material					
Asbestos Types:	Fibrous glass 99 %, Non-fibrous 1 %					
82015H-37	215084501-37 ation: Boiler Room - Boiler # 1 - 1964 - Breech	<b>No</b> ing Insulation	NAD (by NYS ELAP 198.1) by Karol H. Lu on 08/30/15			
Asbestos Types:	Beige, Homogeneous, Non-Fibrous, Bulk Materi ibrous glass 1 %, Synthetic fibers 2 %, Non-fi		01 00/30/15			
	215084501-38 ition: Boiler Room - Boiler # 2 - 1964 - Breechi		NAD (by NYS ELAP 198.1) by Karol H. Lu on 08/30/15			
Asbestos Types:	eige, Homogeneous, Non-Fibrous, Bulk Materi ibrous glass 1 %, Synthetic fibers 2 %, Non-fil		01100/30/15			
82015H-39 Loca	215084501-39 tion: Boiler Room - Boiler # 3 - 1964 - Breechi	<b>No</b> ng Insulation	NAD (by NYS ELAP 198.1) by Karol H. Lu			
Asbestos Types:	eige, Homogeneous, Non-Fibrous, Bulk Materia brous glass 1 %, Synthetic fibers 2 %, Non-fit		on 08/30/15			
82015H-40 Loca	215084501-40 tion: Boiler Room - Boiler # 3 - 1964 - Boiler G	<b>No</b> asket	NAD (by NYS ELAP 198.1) by Karol H. Lu			
Asbestos Types:	hite, Homogeneous, Fibrous, Bulk Material brous glass 95 %, Non-fibrous 5 %		on 08/30/15			
	215084501-41 ion: Girls Locker Room - 1964 - Quarry Tile - (		NAD (by NYS ELAP 198.1) by Karol H. Lu on 08/30/15			
Analyst Description: G Asbestos Types: Other Material: No	ey, Homogeneous, Non-Fibrous, Cementitious on-fibrous 100 %	, Bulk Material				

AmeriSci Job #: 215084501

Client Name: Gheen Engineering, PLLC

### **PLM Bulk Asbestos Report**

	IGA Lab No.	Asbestos Present	Total % Asbesto
82015H-42	215084501-42	No	NAD
	Location: Girls Locker Room - 1964 - Quarry		(by NYS ELAP 198.1) by Karol H. Lu
Asbestos	r <b>iption:</b> Grey, Homogeneous, Non-Fibrous, Cemei • <b>Types:</b> l <b>aterial:</b> Non-fibrous 100 %	ntitious, Bulk Material	on 08/30/15
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
Asbestos	ription: Grey, Homogeneous, Non-Fibrous, Bulk M Types: aterial: Non-fibrous 48 %	aterial	0100/30/13
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
Asbestos	r <b>iption:</b> Grey, Homogeneous, Non-Fibrous, Bulk M. <b>Types:</b> aterial: Non-fibrous 36.8 %	aterial	by Karoł H. Lu on 08/30/15
Asbestos Other M	Types:	aterial <b>No</b>	on 08/30/15
Asbestos	Types: aterial: Non-fibrous 36.8 %	No	on 08/30/15 NAD (by NYS ELAP 198.6) by Karol H. Lu
Asbestos Other M 82015H-45 Analyst Descr Asbestos	Types: aterial: Non-fibrous 36.8 % 215084501-45 Location: LGI - 1964 - Ceiling Tile - 1 x 1 Pin / iption: Grey, Homogeneous, Non-Fibrous, Bulk Ma	<b>No</b> <sup>/</sup> Fissure	on 08/30/15 NAD (by NYS ELAP 198.6)
Asbestos Other M 82015H-45 Analyst Descr Asbestos Other Ma	Types: aterial: Non-fibrous 36.8 % 215084501-45 Location: LGI - 1964 - Ceiling Tile - 1 x 1 Pin / iption: Grey, Homogeneous, Non-Fibrous, Bulk Ma Types:	<b>No</b> <sup>7</sup> Fissure aterial	on 08/30/15 NAD (by NYS ELAP 198.6) by Karol H. Lu on 08/30/15
Asbestos Other M 82015H-45 Analyst Descr Asbestos	Types: aterial: Non-fibrous 36.8 % 215084501-45 Location: LGI - 1964 - Ceiling Tile - 1 x 1 Pin / iption: Grey, Homogeneous, Non-Fibrous, Bulk Ma Types: aterial: Non-fibrous 29.9 %	No <sup>/</sup> Fissure aterial <b>No</b>	on 08/30/15 NAD (by NYS ELAP 198.6) by Karol H. Lu

AmeriSci Job #: 215084501

Client Name: Gheen Engineering, PLLC

### **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 car 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

meriSci ample #	Client Sample#	Samp HG Weigl Area (gran	nt Sensitive	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	82015H-01	0.255	i 31.0	27.5	30.5	Chrysotile 11.1	NA
Location:	Library Kitchen - 1964 - Sink	Undercoat - Lavender				On 930BE 11,1	NA
02	82015H-02	0.310	52.9	1.9	45.2	NAD	NAD
Location:	Room 101 - 1964 - Ceiling Ti	le - 1 x 1 Pin / Fissure - N	lastic				INAU
03	82015H-03	0.422	10.2	63.5	26.3	NAD	NAD
Location:	Room 101 - 1964 - Ceiling Ti	le - 1 x 1 Pin / Fissure					NAD
04	82015H-04	**				NAD	NA
Location:	Room 101 - 1964 - Sheetrock	k Backer Board					
05	82015H-05	0.397	48.9	20.4	18.4	Chrysotile 12,3	NA
	Room 103 - 1964 - Sink Unde	ercoat - Black				••••••••	
06	82015H-06	0.390	37.2	60.5	2.3	NAD	NAD
	Room 103 - 1964 - Cove Bas	e - 4" Tan					
07	82015H-07	0.348	47.4	5.5	47.1	NAD	NAD
	Room 103 - 1964 - Cove Bas	e Mastic					
08	82015H-08	0.272	43.0	52.6	4.4	NAD	NAD
	Library Kitchen - 1964 - Cove	Base - 4" Black					
09	82015H-09	0.366	39.1	15.0	45.9	NAD	NAD
	Library Kitchen - 1964 - Cove	Base Mastic					
10	82015H-10	0.216	35.2	63.9	0.9	NAD	NAD
	Room 107 - 1964 - Cove Bas	e - 4" Tan					-
11	82015H-11	0.422		55.7	14.4	Chrysotile 1.6	NA
	Mens Toilet Room Next To A			n Specks			
12	82015H-12	0.531		18.3	46.7	NAD	NAD
	Mens Toilet Room Next To Au						
13	82015H-13	0.262	47.14	58.8	3.4	NAD	NAD
	Mens Toilet Room Next To Au						
14	82015H-14	0.389		8.5	42.4	NAD	NAD
	Mens Toilet Room Next To Au						
15	82015H-15	0.241		63.1	6.4	Chrysotile <0.25	Chrysotile <1.0
	Ladies Toilet Room Next To A						-
16	82015H-16 Ladies Toilet Room Next To A	0.314		8.6	45.9	NAD	NAD

# Table I Summary of Bulk Asbestos Analysis Results

15S-031; Marcellus CSD Main; High School

AmeriSci Sample #	Client Sample#	Sample HG Weight Area (gram)		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	
Location:	Ladies Toilet Room Next To	Auditorium - 1977 - Cove B	ase - 4* Brown			No.	NAD
18	82015H-18	0.577	53.0	0.5	46.4	NAD	NAD
Location:	Ladies Toilet Room Next To	Auditorium - 1977 - Cove B	ase - Mastic				NAD
19	82015H-19					NAD	<b>b</b> ( <b>a</b>
Location:	Mens Toilet Room Next To A	uditorium - 1977 - Ceramic	Wall Tile - Grout				NA
20	82015H-20	0.256	38.7	19.5	41.8	NAD	NAD
Location:	Mens Toilet Room Next To A	uditorium - 1977 - Ceramic	Wall Tile - Mastic				NAD
21	82015H-21			***-		NAD	<b>N</b> 1A
Location:	Mens Toilet Room Next To A	uditorium - 1977 - Sheetroo	:k				NA
22	82015H-22			4		NAD	<b>N</b> 1A
Location:	Mens Toilet Room Next To A	uditorium - 1977 - Taping C	Compound				NA
23	82015H-23	****				NAD	<b>N</b> 14
Location:	Ladies Toilet Room Next To /	Auditorium - 1977 - Cerami	c Wall Tile - Grout			NAD .	NA
24	82015H-24	0.230	33.5	30.0	36.5	NAD	NAD
Location:	Ladies Toilet Room Next To /	Auditorium - 1977 - Cerami	c Wall Tile - Mastic				NAD
25	82015H-25	****	-			NAD	<b>N</b> 1A
Location:	Ladies Toilet Room Next To A	Auditorium - 1977 - Sheetro	ck			IN CO	NA
26	82015H-26		100 AV 401.000	704 204 500		NAD	<b>N</b> 14
Location:	Ladies Toilet Room Next To A	Auditorium - 1977 - Taping	Compound			NAD	NA
27	82015H-27			=## <i>-</i>		NAD	<b>N</b> 1A
Location;	Storage Room Next To Stage	- 1977 - Fitting Insulation					NA
28	82015H-28	0.217	28.1	18.4	53,5	NAD	
Location:	Room 106 - Ceiling Tile - Con	nmon - 2 x 2 Pin			01.0	NAU	NAD
29	82015H-29	0.379	28.0	20.6	51.5	NAD	
Location:	Room 104 - Ceiling Tile - Con	nmon - 2 x 2 Pin					NAD
30	82015H-30	0.240	19.6	42.1	38.3	NAD	NAD
Location:	Nurses Suite - 1964 - Sink Un	dercoat - White					NAD
31	82015H-31	0.396	27.8	66.7	5.6	NAD	NAD
Location:	Life Skills - 1964 - Cove Base	- 4" Brown				INAU I	NAD
32	82015H-32	0.255	12.9	65.5	21,6		
Location:	Corridor Next To Life Skills - 1				21.0	NAD	NAD

#### AmeriSci Job #: 215084501 Client Name: Gheen Engineering, PLLC

### Table I Summary of Bulk Asbestos Analysis Results 15S-031; Marcellus CSD Main; High School

meriSci ample #	Client Sample#	Samı HG Weig Area (grar	ht Sensitive	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by
33	82015H-33	0.22	3 59.2	38.1	2.7	NAD	TEM
Location:	Art - 1964 - Cove Base - 4" Br	rown				NAD	NAD
34	82015H-34			~~~~~		Chrysotile 23.5	
Location:	Art - 1964 - Lab Table Top					Chrysome 23.5	NA
35	82015H-35					Chrysotile 19,0	
Location:	Art - 1964 - Lab Table Top					Chrysolie 19.0	NA
36	82015H-36	*		*****		NAD	
Location:	Boiler Room - Boiler # 1 - 1964	4 - Boiler Gasket				NAD	NA
37	82015H-37				<i></i>	NAD	
Location:	Boiler Room - Boiler # 1 - 1964	4 - Breeching Insulation				NAD	NA
38	82015H-38	904 m		+++	<b>17-11 6</b> . Lu	NAD	
Location:	Boiler Room - Boiler # 2 - 1964	4 - Breeching Insulation				NAD	NA
39	82015H-39	## <b>#</b> *				NAD	
Location:	Boiler Room - Boiler # 3 - 1964	4 - Breeching Insulation				NAD	NA
40	82015H-40				<b></b>	NAD	
Location:	Boiler Room - Boiler # 3 - 1964	4 - Boiler Gasket				NAD	NA
41	82015H-41					NAD	
Location:	Girls Locker Room - 1964 - Qu	arry Tile - Grout				NAD	NA
42	82015H-42	***		TT TT union			
Location:	Girls Locker Room - 1964 - Qu	arry Tile - Thinset				NAD	NA
43	82015H-43	0.204	27.0	25.0	48.0		
Location:	LGI - 1964 - Ceiling Tile - 2 x 2	Pin / Fissure			40.0	NAD	NAD
44	82015H-44	0.201	26.4	36.8	36.8		
Location:	LGI - 1964 - Ceiling Tile - 2 x 2	Pin / Fissure			55.5	NAD	NAD
45	82015H-45	0.358	10.6	59.5	29.9		
Location:	LGI - 1964 - Ceiling Tile - 1 x 1			00.0	£0,3	NAD	NAD
46	82015H-46	0.434	51.8	13.1	35.0		
Location:	LGI - 1964 - Ceiling Tile - 1 x 1				33.0	NAD	NAD

# 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	(888) 201
FLM/DS									

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; Date Analyzed 8/31/2015

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Analyzed by: Marik Peysakhov //

\*\*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:

To: +13153629583

Pg <u>1</u> of 4



44 Glenridge Rd. Whitesboro, NY 13492 Phone: 315.520-4692 315.362.9583 Fax:

#### SAMPLE CHAIN OF CUSTODY FORM

PROJECT NAME:	Marcellus CSD Main	BUILDING:	High School	
PROJECT #:	155-031	DATE:	8/20/2015	
SAMPLE NUMBER	HM MATERIAL	S	AMPLE LOCATION	VINTAGE
82015H- 01	Sink Undercoat - Lavender	Library Kitche	n	1964

8201311-01			
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
8201SH- 15	Floor Tile - 12x12 Tan/Brown Specks	Ladies Toilet Room next to Auditorium	1977

#### **CHAIN OF CUSTODY**

	Jul	CHAIN O	F CUSTODY		
COLLECTED BY: Stephen Gheen	Jang	ĐATE:	/ 8/21/2015	# OF SAMPLES:	15 This Page
RECEIVED BY:	Re <del>4</del>	DATES	2515163	# 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

TURNAROUND:	CONTACT:	FAX:	EMAIL:
	Sandra Gheen		Sandra.Gheen@GheenEnv.com
5 Day		315.362.9583	
	Stephen Gheen		Stephen.Gheen@GheenEng.com

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44 Glenridge Rd. Whitesboro, NY 13492

Phone: 315.520.4692 Fax: 315.362.9583

#### SAMPLE CHAIN OF CLISTODY FORM

PROJECT NAME:	Marcellus CSD Main	OF CUSTODY FORM BUILDING: High School		
PROJECT #:	155-031	DATE: 8/20/2015		
SAMPLE NUMBER	HM MATERIAL	SAMPLE LOCATION	VINTAGE	
8201SH- 16	Floor Tile - 12x12 Tan/Brown Specks - Ma	stic 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	Commor	
82015H- 29	Ceiling Tile - 2x2 Pin	Room 104	Common	
82015H- 30	Sink Undercoat - White	Nurses Suite	1964	

**CHAIN OF CUSTODY** 

COLLECTED BY: Stephen Gheen A M/M	DATE:	<sub>/</sub> 8/21/2015	# OF SAMPLES:	15 This Page
RECEIVED BY: A CONCERNMENT	DATE:	128/15/165	# 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

TURNAROUND:	CONTACT:	FAX:	EMAIL:
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Pg\_3\_of\_4\_

Gheen Environmental Services, LLC 2

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 #:	155-031	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		
82015H- 45	Ceiling Tile - 1x1 Pin/Fissure	LGI	1964	

A A A A K	HAIN OF	CUSTODY		
COLLECTED BY: Stephen Gheen	DATE:	/8/21/2015	# OF SAMPLES:	15 This Page
RECEIVED BY: CHAMILES	DATE:	25115-163	# 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

TURNAROUND:	CONTACT:	FAX:	EMAIL:
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5 Day		315.362.9583	
	Stephen Gheen		Stephen.Gheen@GheenEng.com

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Gheen Environmental Services, LLC

Phone: 315,520,4692 Fax: 315.362.9583

#### SAMPLE CHAIN OF CLISTODY FORM

		Marcellus CSD Main 15S-031		BUILDING: High School DATE: 8/20/2015		
SAMPLE NUMBER	HM	MATERIAL		AMPLE LOCATION	VINTAGE	
82015H- 46		Ceiling Tile - 1x1 Pin/Fissure - Mastic	LGI		1964	
				· · · · · · · · · · · · · · · · · · ·		

<u> </u>	the second se	CHAIN O	<b>F</b> CUSTODY		
COLLECTED BY: Stephen Gheen	1112011 -	DATE:	8/21/2015	# OF SAMPLES:	1 This Page
RECEIVED BY:	2	DATE:	8/25/6/12	# OF SAMPLES:	

**ANALYSIS** 

REFERENCE	METHOD	METHOD DESCRIPTION
NYS E	LAP	NOB & Ceiling Tile with Cellulose-198.6/198.4 (Confirmation Only); All Others - 198.1

#215084501

#### **INSTRUCTIONS**

TURNAROUND: CONTACT: FAX: EMAIL: Sandra Gheen Sandra.Gheen@GheenEnv.com 5 Day 315.362.9583 **Stephen Gheen** Stephen.Gheen@GheenEng.com



Whitesboro, NY 13492

ΕΛΥ		
FAX	Date:	09/08/2015

Pages including cover sheet: 10

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## NOTE:

Emailing: 215091290E.pdf High School



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Page 2 of 10 09/08/2015 8:03 PM

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#### FACSIMILE TELECOPY TRANSMISSION

To:Stephen GheenFrom:Ella BabayevaGheen Engineering, PLLCAmeriSci Job #:215091290Fax #:(315) 362-9583Subject:ELAP-PLM/TEM 5 day ResultsClient Project:15S-031; Marcellus CSD; High<br/>School

Email: stephen.gheen@gheeneng.com

Date: Tuesday, September 08, 2015 Time: 19:48:03 Comments: Number of Pages:

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## **PLM Bulk Asbestos Report**

Gheen Engineering, PLLC	
Attn: Stephen Gheen	
44 Glenridge Road	

Date Received	09/02/15	AmeriSc	i Jo	b#	215091290
Date Examined	09/08/15	P.O. #			•
ELAP #	11480	Page	1	of	4
<b>RE:</b> 15S-031; Ma	arcellus CSD;	High Scho	ol		

Whitesboro, NY 13492

Client No. /	HGA	Lab No.	Asbestos Present	Total % Asbestos
Asbesto			Yes	4 % (by NYS ELAP 198.6) by Ella Babayeva on 09/08/15
82615H-02	Location: Room 2	215091290-02 04 - Chalk Board Mastic neous, Non-Fibrous, Bulk Mat	Yes	4.9 % (by NYS ELAP 198.6) by Ella Babayeva on 09/08/15
Asbestos	<b>Types:</b> Chrysotile 4.9 f aterial: Non-fibrous 31.	% 7 % 215091290-03	Yes	4.9 %
Asbestos			erial	(by NYS ELAP 198.6) by Ella Babayeva on 09/08/15
82615H-04	Location: Room 32	215091290-04 2 - Chalk Board Mastic	Yes	4.5 % (by NYS ELAP 198.6) by Ella Babayeva
Asbestos	ription: Black, Homogen Types: Chrysotile 4.5 % aterial: Non-fibrous 28.2	eous, Non-Fibrous, Bulk Mate %	rial	on 09/08/15
32615H-05 Analyst Descr		215091290-05 Next To Room 321 - Terrazzo omogeneous, Non-Fibrous, B	No	NAD (by NYS ELAP 198.1) by Ella Babayeva on 09/08/15
Asbestos	Types: aterial: Non-fibrous 100		uk matenal	

Page 2 of 4

AmeriSci Job #: 215091290 Client Name: Gheen Engineering, PLLC

**PLM Bulk Asbestos Report** 

15S-031; Marcellus CSD; High School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
82615H-06 Loc:	215091290-06 ation: Corridor Next To Room 321 - Cerami	<b>No</b> ic Wall Tile - Grout	NAD (by NYS ELAP 198.1) by Ella Babayeva
Analyst Description: V Asbestos Types: Other Material: N	on 09/08/15		
	215091290-07 ation: Corridor Next To Room 309 - Cerami		NAD (by NYS ELAP 198.1) by Ella Babayeva on 09/08/15
Analyst Description: V Asbestos Types: Other Material: N	Vhite, Hornogeneous, Non-Fibrous, Bulk Ma Ion-fibrous 100 %	terial	01 03/00/13
82615H-08 Loca	215091290-08 tion: Entry Between Gym And Weight Room	<b>No</b> m - Ceiling Tile - Tectum	NAD (by NYS ELAP 198.6) by Elia Babayeva
Asbestos Types: Other Material: N 82615H-09	ellow/White, Homogeneous, Non-Fibrous, E on-fibrous 17 % 215091290-09		
Locat	tion: Fan Rom - Duct Pin Mastic	Νο	NAD (by NYS ELAP 198.6) by Ella Babayeva on 09/08/15
Analyst Description: Ta Asbestos Types: Other Material: No	an/Brown, Homogeneous, Non-Fibrous, Bull on-fibrous 0.6 %	k Material	
82615H-10 Locat	215091290-10 ion: Fan Rom - Vibration Isolation Cloth	Νο	NAD (by NYS ELAP 198.1) by Ella Babayeva
Asbestos Types:	hite/Tan, Homogeneous, Fibrous, Bułk Mate prous glass 95 %, Non-fibrous 5 %	erial	on 09/08/15
	215091290-11 ion: Fan Rom - Vibration Isolation Cloth	Νο	NAD (by NYS ELAP 198.1) by Ella Babayeva on 09/08/15
Asbestos Types:	nite/Tan, Homogeneous, Fibrous, Bulk Mate rous glass 90 %, Non-fibrous 10 %	nal	01 09/00/19

Page 3 of 4

AmeriSci Job #: 215091290 Client Name: Gheen Engineering, PLLC

## **PLM Bulk Asbestos Report**

15S-031; Marcellus CSD; High School

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
	215091290-12 tion: Corridor Next To Gym - Terrazzo	Νο	NAD (by NYS ELAP 198.1) by Ella Babayeva on 09/08/15
Analyst Description: Of Asbestos Types: Other Material: No	fWhite/Grey, Homogeneous, Non-Fibrous, Bul on-fibrous 100 %	k Material	
82615H-13 Locat	215091290-13 ion: Exit Doors - Window Glazing Sealant	No	NAD (by NYS ELAP 198.6) by Ella Babayeva on 09/08/15
Analyst Description: Bla Asbestos Types: Other Material: No	ack, Homogeneous, Non-Fibrous, Bulk Materia n-fibrous 36.3 %		01 09/00/15
82615H-14 Locati	215091290-14 on: Exit Doors - Door Caulk	Νο	NAD (by NYS ELAP 198.6) by Ella Babayeva
Analyst Description: Gre Asbestos Types: Other Material: No	ey, Homogeneous, Non-Fibrous, Bulk Material n-fibrous 34.3 %		on 09/08/15
82615H-15 Locati	215091290-15 on: Exit Doors - Window Glazing Sealant	Νο	NAD (by NYS ELAP 198.6) by Ella Babayeva
Analyst Description: Bla Asbestos Types: Other Material: Nor	ck, Homogeneous, Non-Fibrous, Bulk Material n-fibrous 36.5 %		on 09/08/15
82615H-16 Locatio	215091290-16 on: Exit Doors - Door Caulk	No	NAD (by NYS ELAP 198.6) by Ella Babayeva
Analyst Description: Gre Asbestos Types: Other Material: Non	y, Homogeneous, Non-Fibrous, Bulk Material I-fibrous 33.8 %		on 09/08/15
	215091290-17 m: Band Office - Ceiling Tile - 2 X 2 Tegular	Νο	NAD (by NYS ELAP 198.6) by Ella Babayeva on 09/08/15
Analyst Description: Grey Asbestos Types: Other Material: Non-	y, Homogeneous, Non-Fibrous, Bulk Material -fibrous 25 %		

AmeriSci Job #: 215091290

Client Name: Gheen Engineering, PLLC

## **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
Loc	ation: Corridor Next To Stage Entrance - Ce	iling Tile - 2 X 2 Tegular	(by NYS ELAP 198.6) by Ella Babayeva on 09/08/15
Asbestos Types:	Grey, Homogeneous, Non-Fibrous, Bulk Mate	erial	01 09/08/15
Other Material:	Non-fibrous 26.2 %		
82615H-19	215091290-19	No	NAD <sup>1</sup>
Loca	ation: Stage - Vermiculite "Attic fill, block fill materials must be designated and trea Letter 7/09/13."	or other loose bulk Vermiculite ated as ACM per NYSDOH Guidance	(by NYS ELAP 198.1) by Ella Babayeva
Asbestos Types:	Gold, Heterogeneous, Non-Fibrous, Bulk Mat Non-fibrous Trace, Vermiculite 100 %	eńal	on 09/08/15
32615H-20	215091290-20	No	NAD
Loca	ation: Corridor Next To Auditorium - Ceiling <sup>-</sup>	File 2 X 2 Pin	(by NYS ELAP 198.6) by Ella Babayeva on 09/08/15
Asbestos Types:	Grey, Homogeneous, Non-Fibrous, Bulk Mate	nal	on 09/08/15
Other Material: N	lon-fibrous 29.8 %		
32615H-21	215091290-21	No	NAD
Loca	tion: Storage Room Next To Stage - Fitting	Insulation	(by NYS ELAP 198.1) by Ella Babayeva
Asbestos Types:	rey, Homogeneous, Fibrous, Bulk Material		on 09/08/15
Other Material: Fi	ibrous glass 45 %, Non-fibrous 55 %		

#### **Reporting Notes:**

(1) Attic fill, block fill or other loose bulk Verniculine materials must be designated and treated as ACM per NYSDOH Guidance Letter 7/09/13.

\*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 verniculite 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 car 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:\_\_\_

Table I
Summary of Bulk Asbestos Analysis Results
155-031: Marcollus CSD: High School

15S-031; Marcellus CSD; High School

meriSci ample #		Sample HG Weight Vrea (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
	Room 204 - Chalk Board Mastic					011 y3001e 4.0	NA
02	82615H-02	0.306	58.2	5.2	31.7	Chrysotile 4.9	NA
	Room 204 - Chalk Board Mastic						na na
03	82615H-03	0.362	57.7	7.7	29.6	Chrysotile 4.9	NA
	Room 322 - Chalk Board Mastic						04
04	82615H-04	0.220	56.4	10.9	28.2	Chrysotile 4.5	NA
	Room 322 - Chalk Board Mastic						
05	82615H-05	10C 000 ABC ABC		****-		NAD	NA
	Corridor Next To Room 321 - Terra	<b>ZZ</b> 0					(1)
06	82615H-06		~~			NAD	NA
	Corridor Next To Room 321 - Ceran	nic Wall Tile - Grout					NA
07	82615H-07			Pri- Margan Alla		NAD	NA
	Corridor Next To Room 309 - Ceran	nic Wall Tile - Grout				hab	NA .
08	82615H-08	0.165	78.2	4.8	17.0	NAD	NAD
Location:	Entry Between Gym And Weight Ro	oom - Ceiling Tile - Tectu	um			11AU	NAD
09	82615H-09	0.166	88.0	11.4	0.6	NAD	NAD
Location:	Fan Rom - Duct Pin Mastic					NAD	NAD
10	82615H-10			***		NAD	
Location:	Fan Rom - Vibration Isolation Cloth					NAD	NA
11	82615H-11					NAD	
Location:	Fan Rom - Vibration Isolation Cloth					NAD	NA
12	82615H-12	18 70 Medie		DV SHE SAMINE	*****	NAD	
Location:	Corridor Next To Gym - Terrazzo					NAD	NA
13	82615H-13	0.226	54.9	8.8	34.5	NAD	<b>O I I I I I I I I I I</b>
Location:	Exit Doors - Window Glazing Sealar	nt			54.5	NAD	Chrysotile 1.8
14	82615H-14	0.242	57.0	8.7	34.3	NAD	
Location:	Exit Doors - Door Caulk			0.1	0.70	NAD	NAD
15	82615H-15	0.233	47.6	15.9	34.7	NAD	<b>O O O O</b>
Location;	Exit Doors - Window Glazing Sealan			10.0	UT. 1	NAD	Chrysotile 1.8
16	82615H-16	0.201	56.2	10.0	33.8	NAD	
Location:	Exit Doors - Door Caulk			14.4	55.0	NAD	NAD

See Reporting notes on last page

Table I	
Summary of Bulk Asbestos Analysis	Results

15S-031; Marcellus CSD; High School

meriSci ample #	Client Sample#	Samp HG Weig Area (gran	ht Sensitive	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
17	82615H-17	0.228	3 12.3	62.7	25.0		
Location;	Band Office - Ceiling Tile - 2 X 2	2 Tegular			2010	NAD	NAD
18	82615H-18	0.26	7 16.5	57.3	26.2		
Location:	Corridor Next To Stage Entranc			57.5	26.2	NAD	NAD
19	82615H-19						
Location:	Stage - Vermiculite "Attic fill, blo Guidance Letter 7/09/13."	ock fill or other loose b	ulk Vermiculite materia	is must be designated	and treated as ACM per NYSD	NAD POH	NA
20	82615H-20	0,265	5 27.5	42.6	29.8		
Location:	Corridor Next To Auditorium - C	eiling Tile 2 X 2 Pin		42.0	29.0	NAD	NAD
21	82615H-21	-	******				
Location:	Storage Room Next To Stage - I	Fitting Insulation				NAD	NA

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 heterogenous materials).

Reviewed By:

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Page 9 of 10 09/08/2015 8:03 PM

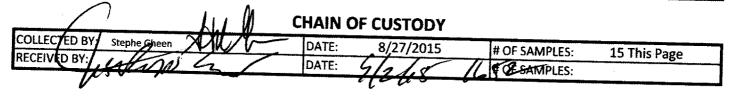


#215091290 Pg\_1 of 2

Phone: 315.520-4692 Fax: 315.362.9583

## SAMPLE CHAIN OF CUSTODY FORM

PROJECT NAME:	Marcellus		BUILDING;	High School		
PROJECT #:	155-031		DATE:	8/26/2015		
SAMPLE NUMBER	HM	MATERIAL		SAMPLE LOCATION	VINTAGE	
82615H- 01	CI	nalk Board Mastic	Room 204		1964	
82615H- 02	Cł	alk Board Mastic	Room 204		1964	
82615H- 03	- Cł	alk Board Mastic	Room 322		1969	
82615H- 04	Cł	alk Board Mastic	Room 322		1969	
82615H- 05	Te	razzo	Corridor Next	to Room 321	1969	
82615H- 06	Ce	ramic Wall Tile - Grout		to Room 321	1969	
82615H- 07	Ce	ramic Wall Tile - Grout		to Room 309	1969	
82615H- 08	Ce	iling Tile - Tectum	Entry Betwee	n Gym and Weight Room	1964	
82615H- 09	Du	ct Pin Mastic	Fan Room		1964	
82615H- 10	Vib	ration Isolation Cloth	Fan Room		1964	
82615H- 11	Vib	ration Isolation Cloth	Fan Room		1964	
82615H12	Ter	azzo	Corridor Next	to Gym	1964	
82615H- 13	Wir	ndow Glazing Sealant	Exit Doors	and a second of the second	1989	
82615H- 14	Doc	or Caulk	Exit Doors		1989	
82615H- 15	Wir	ndow Glazing Sealant	Exit Doors	artin da Managara parting da parting	1989	



#### **ANALYSIS**

REFERENCE METHOD	METHOD DESCRIPTION
NYS ELAP	NOB & Ceiling Tile with Cellulose-198.6/198.4 (Confirmation Only); All Others - 198.1

TURNAROUND:	CONTACT:	FAX:	ENANI
5 Day	Sandra Gheen		EMAIL: Sandra.Gheen@GheenEnv.com
		315.362.9583	
	Stephen Gheen		Stephen.Gheen@GheenEng.com
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## #215091290

Pg 2 of 2

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: PROJECT #:			BUILDING:	High School		
PROJECT #:	<u>15S-031</u>		DATE:	8/26/2015		
SAMPLE NUMBER	HM	MATERIAL		AMPLE LOCATION	VINTAGE	
82615H- 16	i l	Door Caulk	Exit Doors		1989	
82615H- 17	•	Ceiling Tile - 2x2 Tegular	Band Office		1977	
82615H- 18		Ceiling Tile - 2x2 Tegular	Corridor Nex	t to Stage Entrance	1977	
82615H- 19		Vermiculite	Stage		1977	
82615H- 20		Ceiling Tile - 2x2 Pin	Corridor Next	t to Auditorium	Common	
82615H- 21		Fitting Insulation	Storage Roon	n Next to Stage	1977	
	1					
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COLLECTED BY: Stephen Gheen	XXA	DATE:	8/27/2015	# OF SAMPLES:	6 This Page
RECEIVED BY:		DATE:	5/2/15 16	5 4 OF SAMPLES:	<u> </u>
$\geq$ $\square$	$\rangle$	AN	ALYSIS		
REFERENCE METHOD			METHOD DESC	RIPTION	
NYS ELAP	NOB & Ceiling Til	e with Co	ellulose-198.6/198.4	(Confirmation Only); A	ll Others - 198.1

TURNAROUND:	CONTACT:	FAX:	EMAIL:
	Sandra Gheen		Sandra.Gheen@GheenEnv.com
5 Day		315.362.9583	
	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 Page: 1 of 4

Location: Marcellus CSD Main **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- 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	Whtie/Beige Window Caulk	Inconclusive No Asbestos Detected	0%	v	None Detected	<1.0%	None Detected	100%
4416H- 04	24013	Exterior Classroom 317	White Sill Caulk	Inconclusive No Asbestos Detected	0%	v	None Detected	<1.0%	None Detected	100%
4416H- 05	24014	Exterior Classroom 317	White Window Caulk	Inconclusive No Asbestos Detected	0%	v	None Detected	<1.0%	None Detected	100%
4416H- 06	24015	Exterior Classroom 317	White Sill Caulk	Inconclusive No Asbestos Detected	0%	v	None Detected	<1.0%	None Detected	100%
4416H- 07	24016	Exterior Music Instrucment 160	White/Beige Window/Door Caulk	Inconclusive No Asbestos Detected	0%	v	None Detected	<1.0%	None Detected	100%
4416H- 08	24017	Exterior Music Instrucment 160	Gray Window/ Door Caulk	Inconclusive No Asbestos Detected	0%	v	None Detected	<1.0%	None Detected	100%
4416H- 09	24018	Entry Next to LGI 140	White/Beige Door Caulk	Inconclusive No Asbestos Detected	0%	v	None Detected	<1.0%	None Detected	100%
4416H- 10	24019	Extry Next to LGI 140	Black Door Glazing Compound	Inconclusive No Asbestos Detected	0%	v	None Detected	<1.0%	None Detected	100%

#### NVLAD

ELAP ID No.: 10958

KEY TO NOB COLUMN SYMBOLS

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

Lab Code 200530-0 for PLM Analysis

V 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." Jor 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

Olympus BH-2 #232953 Microscope: Analyst: T. Bush

TEM Date Analyzed: 4/12/2016 TEM Analyst: M. Lochner

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: Location: **Gheen Environmental Services, LLC.** 

Job No: 2869-16 Page: 2 of 4

Marcellus CSD Main 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%	v	None Detected	<1.0%	None Detected	100%
4416H- 12	24021	Entry Next to 60D	White/Beige Door Glazing Compound	Inconclusive No Asbestos Detected	0%	v	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%
								-		-
	-									

#### NVLAD

ELAP ID No.: 10958

Mary Dohr

KEY TO NOB COLUMN SYMBOLS

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

Lab Code 200530-0 for PLM Analysis

♦ NOB (non-friable organically bound)denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

V 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.

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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." Jor 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

Microscope:	Olympus BH-2 #232953
Analyst:	T. Bush

TEM Date Analyzed: 4/12/2016 TEM Analyst: M. Lochner

Laboratory Results Approved By:

Asbestos Operations Manager or Designee

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Gheen Environmental Services, LLC

4171

44 Glenridge Rd. Whitesboro, NY 13492

Phone: 315.520-4692 315.362.9583 Fax:

1.1	210 1	1
2	869-1	6
α	1.11	1
	869-1 4/6	11

#### SAMPLE CHAIN OF CUSTODY FORM

PROJECT NAME:		Ilus CSD Main	BUILDING:	100	
PROJECT #:	155-031		DATE:		
SAMPLE NUMBER	HM	MATERIAL		SAMPLE LOCATION	VINTAGE
24010 4416H-01		Unit Ventilator Louver Caulk	Exterior Clas	sroom 303	1969
011 4416H- 02	1	Unit Ventilator Louver Caulk	Exterior Biol	ogy 307	1969
012 4416H- 03		Window Caulk	Exterior Clas	sroom 317	1969
013 4416H- 04		Sill Caulk	Exterior Clas	sroom 317	1969
014 4416H- 05	1	Window Caulk	Exterior Clas	sroom 317	1969
015 4416H- 06		Sill Caulk	Exterior Clas	sroom 317	1969
016 4416H- 07		Window/Door Caulk	Exterior Mus	sic Instrument 160	1989
017 4416H- 08	1	Window/Door Caulk	Exterior Mus	sic Instrument 160	1989
018 4416H- 09	1	Door Caulk	Entry Next to	o LGI 140	1964
019 Ø 4416H- 10		Door Glazing Compound	Entry Next to	o LGI 140	1964
020 4416H-11		Door Caulk	Entry Next t	o 60D	1964
721 4416H- 12		Door Glazing Compound	Entry Next to	o 60D	1964
922 4416H- 13			VOID		
023 4416H- 14		Window Glazing Compound Above Door	Entry Next to	o 60D	1964
024 4416H- 15		Window Glazing Compound Above Door	Entry Next to	o LGI 140	1964

## CHAIN OF CUSTODY

COLLECTED BY: Sandra Gheen	DATE:	4/5/2016	# OF SAMPLES:	14 This Page
RECEIVED BY:	DATE:		# OF SAMPLES:	

#### ANALYSIS

NYS ELAP	NOB & Ceiling Tile with Cellulose-198.6/198.4 (Confirmation Only); All Others - 198.1
REFERENCE METHOD	METHOD DESCRIPTION

TURNAROUND:	CONTACT:	FAX:	EMAIL:
5 Day	Sandra Gheen	315.362.9583	Sandra.Gheen@GheenEnv.com
	Stephen Gheen		Stephen.Gheen@GheenEng.com

Pg\_1\_of 1



#### PLM & TEM BULK ASBESTOS ANALYSIS REPORT via NYSDOH ELAP Method 198.1,198.4 and 198.6

#### Client: <u>Gheen Environmental Services, LLC</u>,

Job No: 2967-16 Page: 1 of 2

Location:

Marcellus Main

High School

4/6/2016 Sample Date: **PLM Asbestos** PLM **TEM Asbestos** TEM PLM N Non-0 Fibers Type & Total Non-Asbestos Fibrous Fibers Type & Total **Client ID** Lab ID **Sampling Location** Description Percentage Asbestos В Percentage Asbestos Fibers Type & Matrix Percentage Material % 24762 Lobby Next to LGI Gray Slate Floor -None Detected 0% N/A None Detected 100% Not Required 4616H-Grout 01 24763 Lobby Next to LGI Gray Slate Floor -None Detected 0% Not Required N/A None Detected 100% 4616H-Thinset 02 4616H-24764 Lobby Next to Cafeteria Gray Slate Floor -None Detected 0% Not Required N/A None Detected 100% Grout 03 4616H-24765 Lobby Next to Cafeteria Gray Slate Floor -None Detected 0% Not Required N/A None Detected 100% Thinset 04 100% 4616H-24766 Stairway Next to 106 White Terrazzo None Detected 0% Not Required N/A None Detected Floor 05

#### NVLAD

ELAP ID No.: 10958

Mary Dohr

KEY TO NOB COLUMN SYMBOLS

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

Lab Code 200530-0 for PLM Analysis

 $oldsymbol{V}$  NOB (non-friable organically bound)denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

V 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

Olympus BH-2 #232953
T. Bush

TEM Date Analyzed: N/A TEM Analyst: N/A

Laboratory Results Approved By

Asbestos Operations Manager or Designee

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.



24

44 Glenridge Rd. Whitesboro, NY 13492 Phone: 315.520-4692 Fax: 315.362.9583

#### SAMPLE CHAIN OF CUSTODY FORM

PROJECT NAME:	Marce	Ilus Main	BUILDING: High School		
PROJECT #:	15S-03	31	DATE: 4/6/2016	VINTAGE	
SAMPLE NUMBER	HM	MATERIAL	SAMPLE LOCATION		
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	
Hob 4616H- 05		Terazzo	Stairway Next to 106	1964	
	-				
			ти. 		
4.					

# CHAIN OF CUSTODY COLLECTED BY: Sandra Gheen DATE: 4/6/2016 # OF SAMPLES: 5 This Page RECEIVED BY: KS DATE: Graduate (Colspan="2">Market (Colspan="2">COLLECTED BY:

#### ANALYSIS

REFERENCE METHOD	METHOD DESCRIPTION
NYS ELAP	NOB & Ceiling Tile with Cellulose-198.6/198.4 (Confirmation Only); All Others - 198.1

TURNAROUND:	CONTACT:	FAX:	EMAIL:
5 Day	Sandra Gheen	315.362.9583	Sandra.Gheen@GheenEnv.com
July	Stephen Gheen		Stephen.Gheen@GheenEng.com



#### PLM & TEM BULK ASBESTOS ANALYSIS REPORT via NYSDOH ELAP Method 198.1,198.4 and 198.6

Client: Location: Gheen Environmental Services, LLC Marcellus CSD Job No: 2313-16 Page: 1 of 5

KCH Elementary

Sample Date: 3/14/2016

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 %
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%	v	Trace Chrysotile <1.0%	<1.0%	None Detected	100%
31416E- 07	19216	Crawlspace	Black Foam Block Tar Paper	Inconclusive No Asbestos Detected	0%	v	None Detected	<1.0%	None Detected	100%
31416E- 08	19217	Crawlspace	Black Foam Block Insulation	None Detected	0%	11	Not Required	N/A	None Detected	100%
31416E- 09	19218	Crawlspace	Black Foam Block Mastic	Inconclusive Trace Chrysotile Detected	<1.0%	v	Trace Chrysotile <1.0%	<1.0%	None Detected	100%
31416E- 10	19219	Crawlspace	Black Foam Block Tar Paper	Inconclusive No Asbestos Detected	0%	v	None Detected	<1.0%	None Detected	100%

#### NVLAD

ELAP ID No.: 10958

KEY TO NOB COLUMN SYMBOLS

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

V NOB (non-friable organically bound)denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

V 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).

Lab Code 200530-0 for PLM Analysis

X denotes sample prepped only by ELAP Method 198.6.

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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

Microscope:	Olympus BH-2 #232953
Analyst:	T. Bush

TEM Date Analyzed: 3/25/2016 TEM Analyst: F. Weinman

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: Location: Gheen Environmental Services, LLC Marcellus CSD Job No: 2313-16 Page: 2 of 5

KCH Elementary

Sample Date: 3/14/2016

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 %
31416E- 11	19220	Crawlspace	Black Duct Insulation Paper Layer	Inconclusive No Asbestos Detected	0%	v	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%	v	Not Required	N/A	None Detected	88%
31416E- 14	19223	Crawlspace	Black Pipe Fitting Wrap	Chrysotile 8.6%	8.6%	v	Not Required	N/A	None Detected	91.4%
31416E- 15	19224	Crawlspace	Black Pipe Fitting Wrap	Inconclusive No Asbestos Detected	0%	v	None Detected	<1.0%	None Detected	100%
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#### NVLAD

ELAP ID No.: 10958

KEY TO NOB COLUMN SYMBOLS

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Lab Code 200530-0 for PLM Analysis

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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

Microscope:	Olympus BH-2 #232953
Analyst:	T. Bush

TEM Date Analyzed: 3/25/2016 TEM Analyst: F. 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: Location: Gheen Environmental Services, LLC Marcellus CSD Job No: 2313-16 Page: 3 of 5

KCH Elementary

Sample Date: 3/14/2016

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 %
31416E- 16	19225	Corridor at Classroom 026	Gray Fibrous 2'x2' Ceiling Tile Tegular 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 Tegular 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 Tegular Fissured	Inconclusive Na Asbestos Detected	0%	#	None Detected	<1.0%	Mineral Wool 15%	85%
31416E- 19	19228	Boller Room Stairway	Gray Fibrous 2'x2' Ceiling Tile Tegular 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 Tegular 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 Tegular 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 Tegular Acoustic	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	Mineral Wool 15%	85%
-										

#### NVLAD

ELAP ID No.: 10958

Mary Dohi

KEY TO NOB COLUMN SYMBOLS

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

Lab Code 200530-0 for PLM Analysis

V NOB (non-friable organically bound)denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

V 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).

Olympus BH-2 #232953

X denotes sample prepped only by ELAP Method 198.6.

T. Bush

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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." Jor 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

Microscope:

Analyst:

TEM Date Analyzed: 3/25/2016

TEM Analyst: F. Weinman

Laboratory Results Approved By:

Asbestos Operations Manager or Designee

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Gheen Environmental Services, LL



44 Glenridge Rd. Whitesboro, NY 13492

Phone: 315.761.7800 315.362.9583 Fax:

#### SAMPLE CHAIN OF CUSTODY FORM

PROJECT	NAME:
PROJECT	#:

Marcellus CSD

BUILDING: DATE:

3/14

**KCH Elementary** 

.4/2016	KQ

SAMPLE NUMBER	HM	MATERIAL	SAMPLE LOCATION	VINTAGE
31416E- 01		Boiler Jacket Insulation	Boiler Rm = Boiler 2 $19210$	) Com
31416E- 02		Boiler Jacket Insulation	Boiler Rm = Boiler 1 $2/1$	Com
31416E- 03		Boiler Section Insulation	Boiler Rm = Boiler 2 $2/2$	Com
31416E- 04	-	Boiler Section Insulation	Boiler Rm = Boiler 1 $2/3$	Com
31416E- 05		Black Foam Block Insulation	Crawlspace 214	Reno
31416E- 06		Black Foam Block Mastic	Crawlspace 215	Reno
31416E- 07		Black Foam Block Tar Paper	Crawlspace 216,	Reno
31416E- 08	1	Black Foam Block Insulation	Crawlspace 217	Reno
31416E- 09		Black Foam Block Mastic	Crawlspace 218	Reno
31416E- 10		Black Foam Block Tar Paper	Crawlspace 2.19	Reno
31416E- 11		Black Duct Insulation - Paper Layer	Crawlspace 220	1964
31416E- 12	-	Black Duct Insulation - Insulation Layer	Crawlspace 22/	1964
31416E- 13		Black Duct Insulation Seam Mastic	Crawlspace 222	1964
31416E- 14		Black Pipe Fitting Wrap	Crawlspace 223	1964
31416E- 15		Black Pipe Fitting Wrap	Crawlspace 224	1964

#### **CHAIN OF CUSTODY**

COLLECTED BY:	Tim Thomas	¢	265	DATE:	3/14/2016	# OF SAMPLES:	15 This Page
RECEIVED BY:	TB	31	10/16	DATE:		# OF SAMPLES:	
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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

Pg\_1\_of 2

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Gheen Environmental Services, LL

44 Glenridge Rd. Whitesboro, NY 13492 Phone: 315.761.7800 315.362.95 Fax:

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Pg\_2\_of\_2\_

PROJECT NAME: PROJECT #:	Marce 0	Ilus CSD	BUILDING:         KCH Elementary           DATE:         3/14/2016         Rd = 3/18/11				
SAMPLE NUMBER	HM MATERIAL		SAMPLE LOCATION			VINTAGE	
31416E- 16		2x2 Ceiling Tile - Tegular Accoustic	Corridor at C	lrm 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	Э	227	Com	
31416E- 19		2x2 Ceiling Tile - Tegular Rough	Boiler Rm Sta	airway	228	Com	
31416E- 20		2x4 Ceiling Tile - Tegular Rough	Corridor at C	lrm 037	229	Com	
31416E- 21	1	2x4 Ceiling Tile - Tegular Rough	Corridor at C	onference Rm	230	Com	
31416E- 22		2x2 Ceiling Tile - Tegular Accoustic	Corridor at K	itchen	231	Com	
						1	

#### **CHAIN OF CUSTODY**

RECEIVED BY:	COLLECTED BY:	Tim Thomas	2	DATE:	3/14/2016	# OF SAMPLES:	7 This Page
	RECEIVED BY:	TR	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

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: Location: Gheen Environmental Services, LLC Marcellus CSD Job No: 2314-16 Page: 1 of 3

KCH Elementary

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%	v	None Detected	<1.0%	None Detected	100%
31516E- 25	19234	Classroom 39	Black Case Work Laminate Top Mastic	Inconclusive No Asbestos Detected	0%	v	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 Tegular Pin/Punc	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	None Detected	100%

#### NVLAD

ELAP ID No.: 10958

Mary Dohr

KEY TO NOB COLUMN SYMBOLS

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

V NOB (non-friable organically bound)denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

V denotes material analyzed by ELAP Method 198.5 (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).

Lab Code 200530-0 for PLM Analysis

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-Priable Organically Bound Bulk Samples." Jor EPA 600/M4-82-020 per 40 CFR 763 and/or EPA 600/R-93/116 (NVLAP Lab Code 2000530-0),

PLM Date Analyzed: 3/24/2016

Microscope:	Olympus BH-2 #232953
Analyst:	T. Bush

TEM Date Analyzed: 3/25/2016 TEM Analyst: F. Weinman

Laboratory Results Approved By:

**Asbestos Operations Manager or Designee** 

Paradigm Environmental Services, Inc. is not responsible for the data supplied by an independent inspector. National Institute of Standards and Technology Acceditation 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: <u>Gheen Environmental Services, LLC</u> Location: Marcellus CSD

#### Job No: 2314-16 Page: 2 of 3

KCH Elementary

KCH Elementa

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 %
19242	Office 42A	Gray Fibrous 2'x4' Ceiling Tíle Tegular Pin/Punc	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	Mineral Wool 20%	80%
19243	Classroom 47	Gray Case Work Laminate Top	Inconclusive No Asbestos Detected	0%	v	None Detected	<1.0%	None Detected	100%
19244	Classroom 47	Brown Case Work Laminate Top Mastic	Inconclusive No Asbestos Detected	0%	v	None Detected	<1.0%	None Detected	100%
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%
19246	Gym Store 029	2Gray Fibrous 'x2' Ceiling Tile Divided Tegular Fissured	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	Mineral Wool 15%	85%
				-					
				_					
	-						_		
				-					
	19242 19243 19244 19245	19242     Office 42A       19243     Classroom 47       19244     Classroom 47       19245     Corridor Near Music       116	19242     Office 42A     Gray Fibrous 2'x4' Ceiling Tile Tegular Pin/Punc       19243     Classroom 47     Gray Case Work Laminate Top       19244     Classroom 47     Brown Case Work Laminate Top Mastic       19245     Corridor Near Music 116     Gray Fibrous 1'x1' Ceiling Tile Fissured       19246     Gym Store 029     2Gray Fibrous 'x2' Ceiling Tile Divided	Lab IDSampling LocationDescriptionFibers Type & Percentage19242Office 42AGray Fibrous 2'x4' Ceiling Tile Tegular Pin/PuncInconclusive No Asbestos Detected19243Classroom 47Gray Case Work Laminate TopInconclusive No Asbestos Detected19244Classroom 47Brown Case Work Laminate Top MasticInconclusive No Asbestos Detected19245Corridor Near Music 116Gray Fibrous 1'x1' Ceiling Tile FissuredInconclusive No Asbestos Detected19246Gym Store 0292Gray Fibrous 'x2' Ceiling Tile DividedInconclusive No Asbestos Detected	Lab IDSampling LocationDescriptionFibers Type & PercentageTotal Asbestos19242Office 42AGray Fibrous 2's4' Ceiling Tile Tegular Pin/Puncinconclusive No Asbestos Detected0%19243Classroom 47Gray Case Work Laminate Topinconclusive No Asbestos Detected0%19244Classroom 47Brown Case Work Laminate Top Masticinconclusive No Asbestos Detected0%19245Corridor Near Music 116Gray Fibrous 1'x1' Ceiling Tile Fissuredinconclusive No Asbestos Detected0%19246Gym Store 0292Gray Fibrous 'x2' Ceiling Tile Dividedinconclusive No Asbestos0%	Lab IDSampling LocationDescriptionFibers Type & PercentageTotal AsbestosO B19242Office 42AGray Fibrous 2'x4' Ceiling Tile Tegular Pin/PuncInconclusive No Asbestos Detected0% #19243Classroom 47Gray Case Work Laminate TopInconclusive No Asbestos Detected0% #19244Classroom 47Brown Case Work Laminate Top MasticInconclusive No Asbestos Detected0% #19245Corridor Near Music 116Gray Fibrous 1'x1' Ceiling Tile FissuredInconclusive No Asbestos 	Lab IDSampling LocationDescriptionFibers Type & PercentageTotal Asbestos0 BFibers Type & Percentage19242Office 42AGray Fibrous 2'x4' Ceiling Tile Tegular Pin/PuncInconclusive No Asbestos Detected0% ##None Detected19243Classroom 47Gray Case Work Laminate TopInconclusive No Asbestos Detected0% V#None Detected19244Classroom 47Brown Case Work Laminate Top MasticInconclusive No Asbestos Detected0% VVNone Detected19245Corridor Near Music I16Gray Fibrous 1'x1' Ceiling Tile FissuredInconclusive No Asbestos Detected0% V#None Detected19246Gym Store 0292Gray Fibrous 'x2' Ceiling Tile DividedInconclusive No Asbestos Detected0% V#None Detected	Lab IDSampling LocationDescriptionFibers Type & PercentageTotal AsbestosO BFibers Type & PercentageTotal Asbestos19242Office 42AGray Fibrous 2'x4' Ceiling Tile Tegular Pin/PuncInconclusive No Asbestos Detected0% ##None Detected<1.0%	Lab IDSampling LocationDescriptionFibers Type & PercentageTotal AsbestosO BFibers Type & PercentageTotal AsbestosNon-Asbestos Fibers Type & Percentage19242Office 42AGray Fibrous 2'x4' Celling Tile Tegular Pin/Puncinconclusive No Asbestos Detected0% P#None Detected<1.0%

#### NVLAD

ELAP ID No.: 10958

Mary Dohr

KEY TO NOB COLUMN SYMBOLS

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

V NOB (non-friable organically bound)denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

V 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.

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Lab Code 200530-0 for PLM Analysis

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: 3/24/2016

Microscope:	Olympus BH-2 #23295
Analyst:	T. Bush

TEM Date Analyzed: 3/25/2016 TEM Analyst: F. Weinman

Laboratory Results Approved By:

Asbestos Operations Manager or Designee

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 NVI.AP 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.

2314-16 Pg\_1\_of 1



GES Gheen Environmental Services, LLC

44 Glenridge Rd. Whitesboro, NY 13492 Phone: 315.761.7800 315.362.9583 Fax:

		SAMPLE CHAIN OF (			5.362.9383	061
PROJECT NAME: PROJECT #:	Marce	Ilus CSD	BUILDING: DATE:	KCH Elemer 3/15/2016	ntary 57 R <sup>2</sup> d:3/18	16 TB
SAMPLE NUMBER	HM	MATERIAL		SAMPLE LOCA	TION	VINTAGE
31516E- 23	-	1x1 Ceiling Tile - Even Perf	Classroom 3	9	19232	1953
31516E- 24		Casework Laminate Top	Classroom 3	9	233	1953
31516E- 25		Casework Laminate Top Mastic	Classroom 3	9	234	1953
31516E- 26		2x4 Ceiling Tile - Plain Pin/Fissure	Main Office	Toilet Rm	235	Reno
31516E- 27		2x4 Ceiling Tile - Plain Pin/Fissure	Main Office 1	Toilet Rm	236	Reno
31516E- 28		Joint Compound	Main Office 1	Toilet Rm	237	Reno

31516E- 27	2x4 Ceiling Tile - Plain Pin/Fissure	Main Office Toilet Rm	236	Reno
31516E- 28	Joint Compound	Main Office Toilet Rm	237	Reno
31516E- 29	Sheetrock	Main Office Toilet Rm	238	Reno
31516E- 30	Joint Compound	Main Office 056	239	Reno
31516E- 31	Sheetrock	Main Office 056	240	Reno
31516E- 32	2x4 Ceiling Tile - Tegular Pin/Punc	Nurse's Screening 41B	24/1	Reno
31516E- 33	2x4 Ceiling Tile - Tegular Pin/Punc	Office 42A	242	Reno
31516E- 34	Casework Laminate Top	Classroom 47	243	1953
31516E- 35	Casework Laminate Top Mastic	Classroom 47	244	1953
31516E- 36	1x1 Ceiling Tile - Fissured	Corridor near Music 116	245	1964
31516E- 37	2x2 Ceiling Tile - Divided Tegular Fissured	Gym Stor 029	246	Comm

#### **CHAIN OF CUSTODY**

	15	# OF SAMPLES:	3/15/2016	DATE:	5	A	: Tim Thomas	COLLECTED BY:
RECEIVED BY: HZ 3/18/16 DATE: # OF SAMPLES:	Sec	# OF SAMPLES:		DATE:	16	3/18/	YR	RECEIVED BY:

#### ANALYSIS

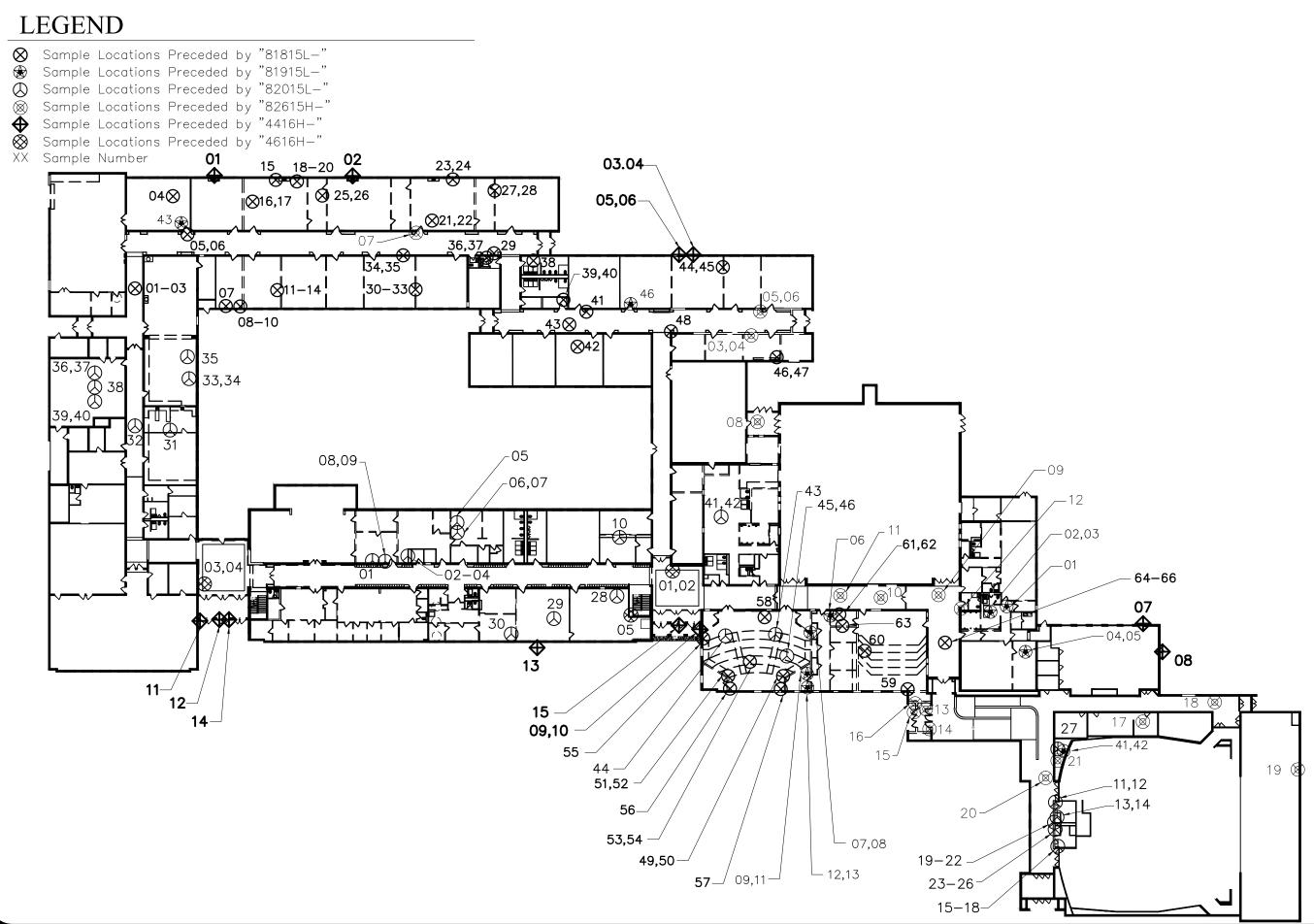
REFERENCE METHOD	METHOD DESCRIPTION
NYS ELAP	NOB & Ceiling Tile with Cellulose-198.6/198.4 (Confirmation Only); All Others - 198.1

TURNAROUND:	CONTACT:	FAX:	EMAIL:
5 Day	Sandra Gheen	315.362.9583	Sandra.Gheen@GheenEnv.com
1.1.1	Stephen Gheen		Stephen.Gheen@GheenEng.com

## Appendix D

Sample Location/

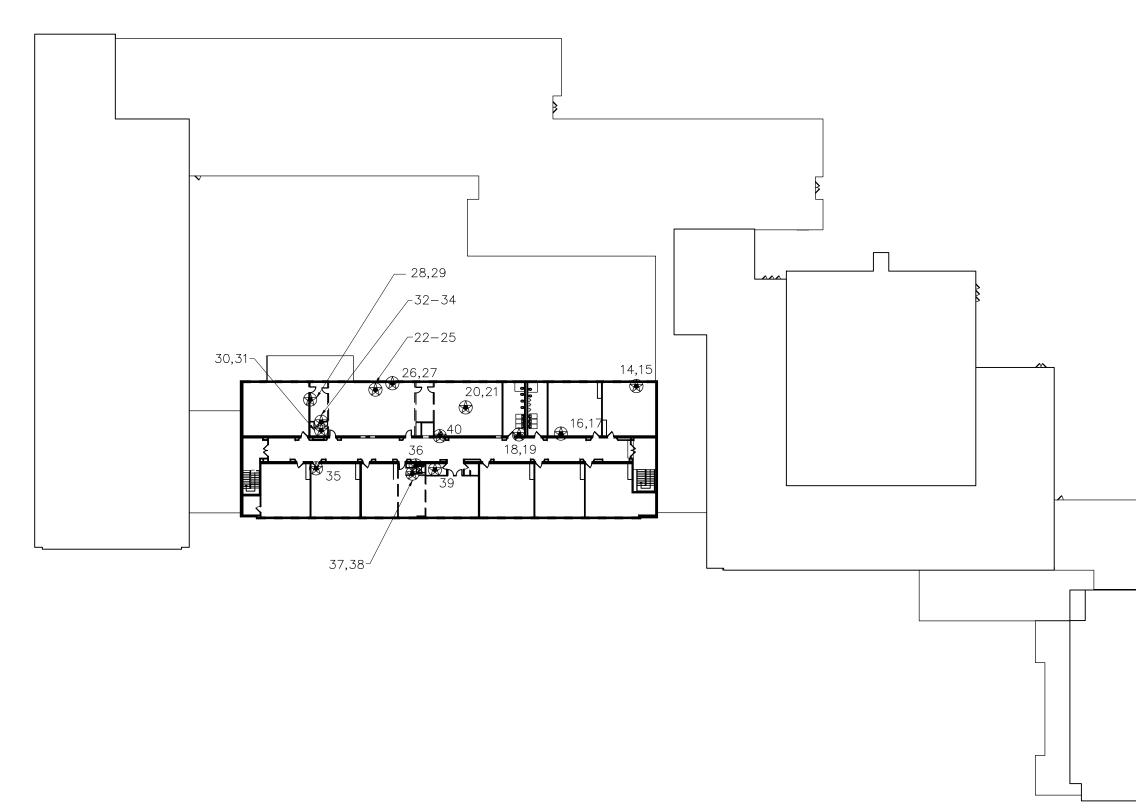
ACM Location Drawings



	Marcellus CSD	Project No.: 15S-031	DRAWING NUMBER:
Ghaen Environmental Sarvices 110		Date: 4/19/2016	
At Closed and Dood with the state of the state	marcenus mign school	Drawn By: skg	DLP-1
Ph: 315.761.7800 Fax: 315.362.9583	FIIST F100F SAIIIPLE LOCATION F1AUS	Scale: NTS	

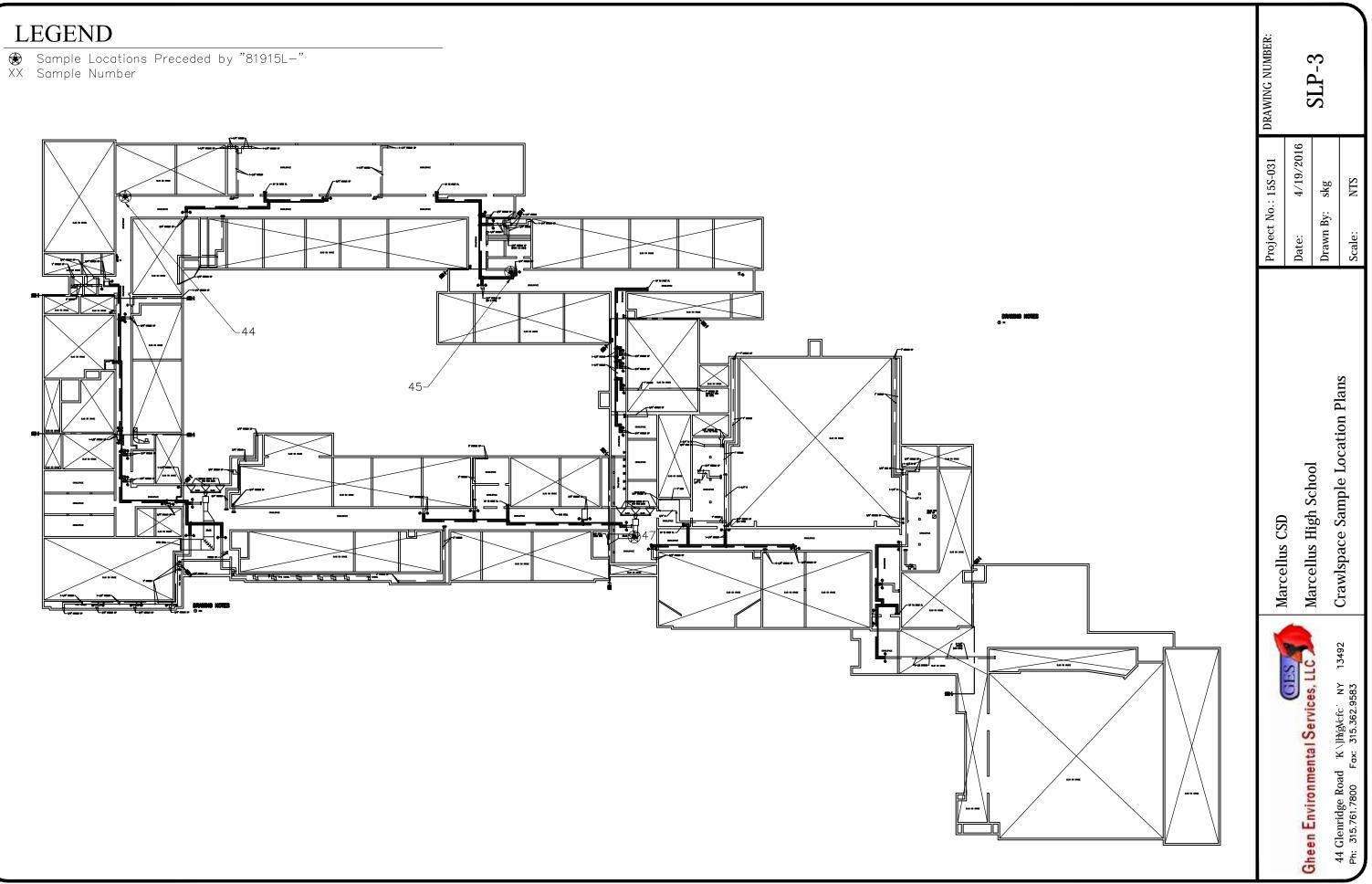
## LEGEND

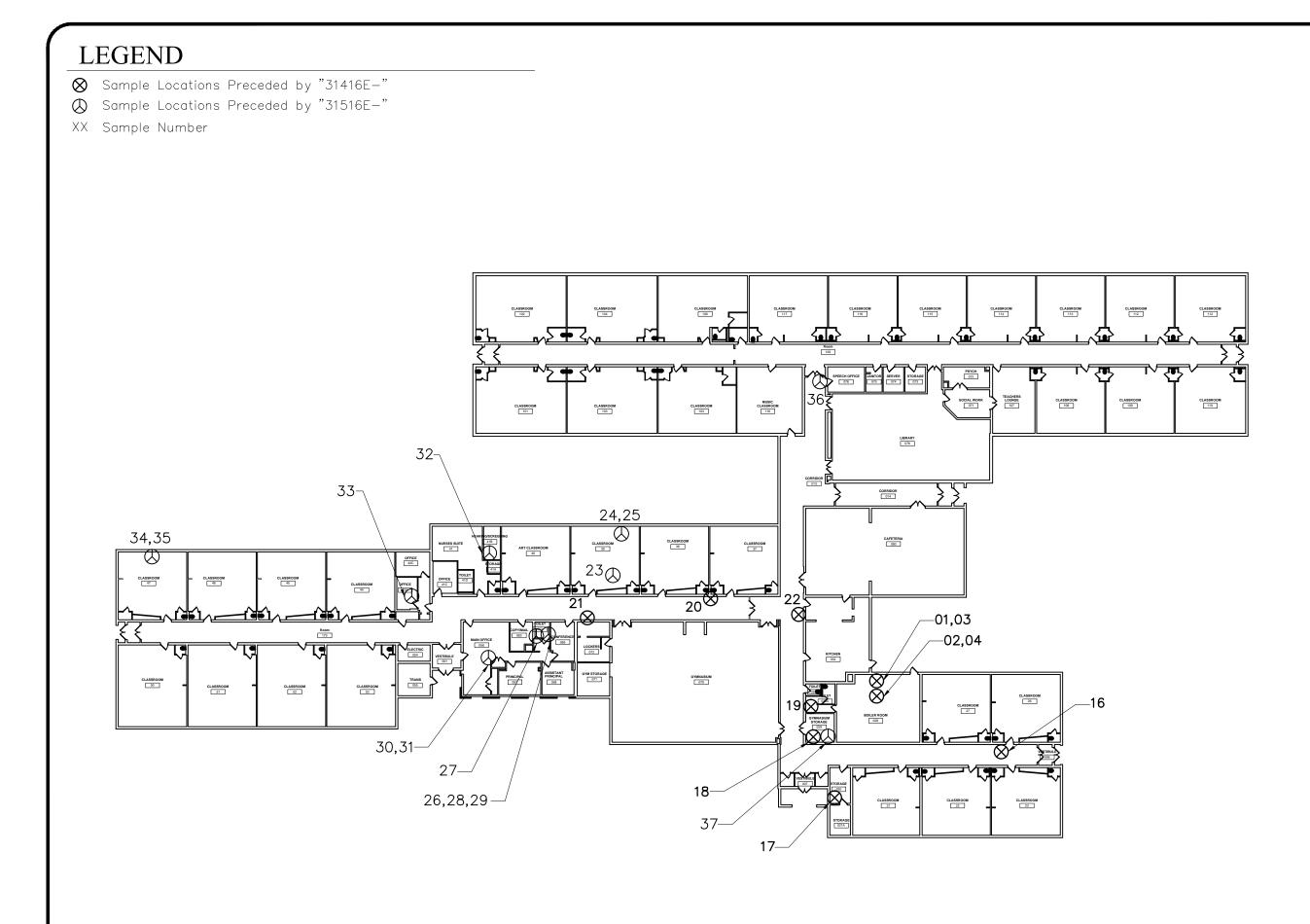
- Sample Locations Preceded by "81915L-" XX Sample Number



Project No.: 15S-031 DRAWING NUMBER:	Date: 4/19/2016	Drawn By: skg DLP-Z	Scale: NTS	
Pro Marcellius CSD			Second Floor Sample Location Plans	
	Ghaen Environmental Services 110		44 Glenridge Коаd К ЛЖgVcfc NY 13492 Ph: 315.761.7800 Fax: 315.362.9583	

## LEGEND

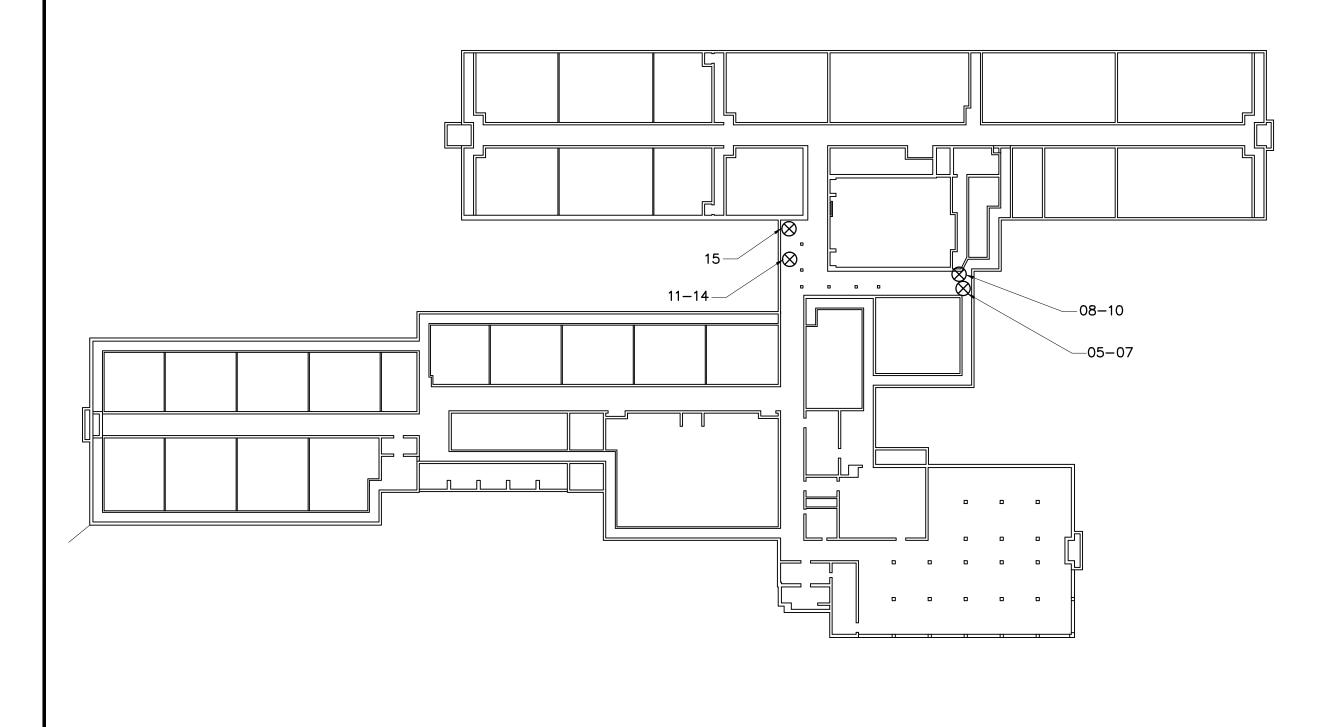




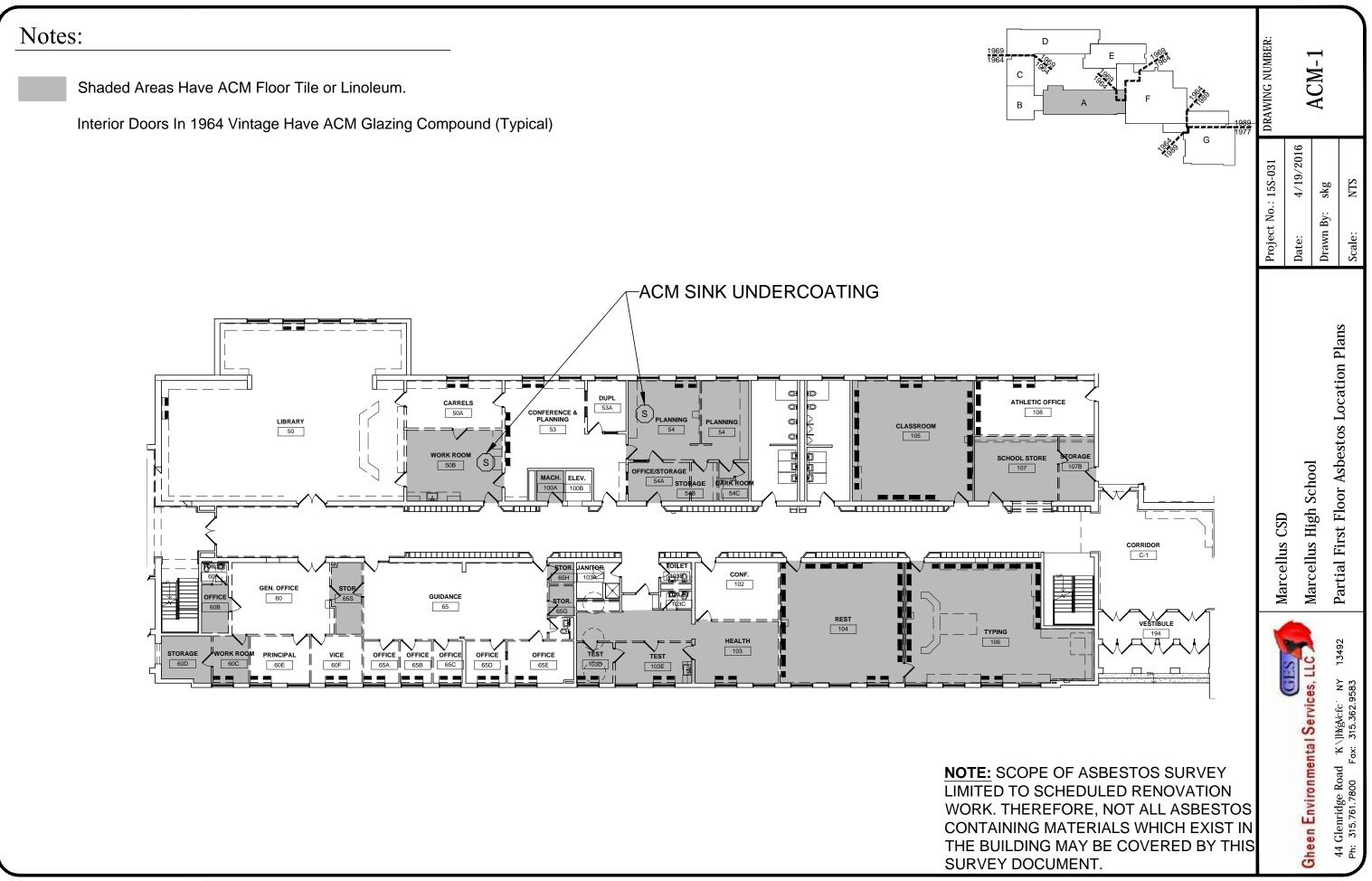
5S-031 DRAWING NUMBER:	4/19/2016 SLP-1				
Project No.: 15S-031	Date: 4	Drawn By: skg	Scale: NTS		
Marcelliis CSD	Marcellus CSD Marcellus Elementary School First Floor Sample Location Plans				
Gheen Environmental Services, LLC 44 Glenridge Road K \]hkgvefe NY 13492 Ph: 315.761.7800 Fax: 315.362.9583					

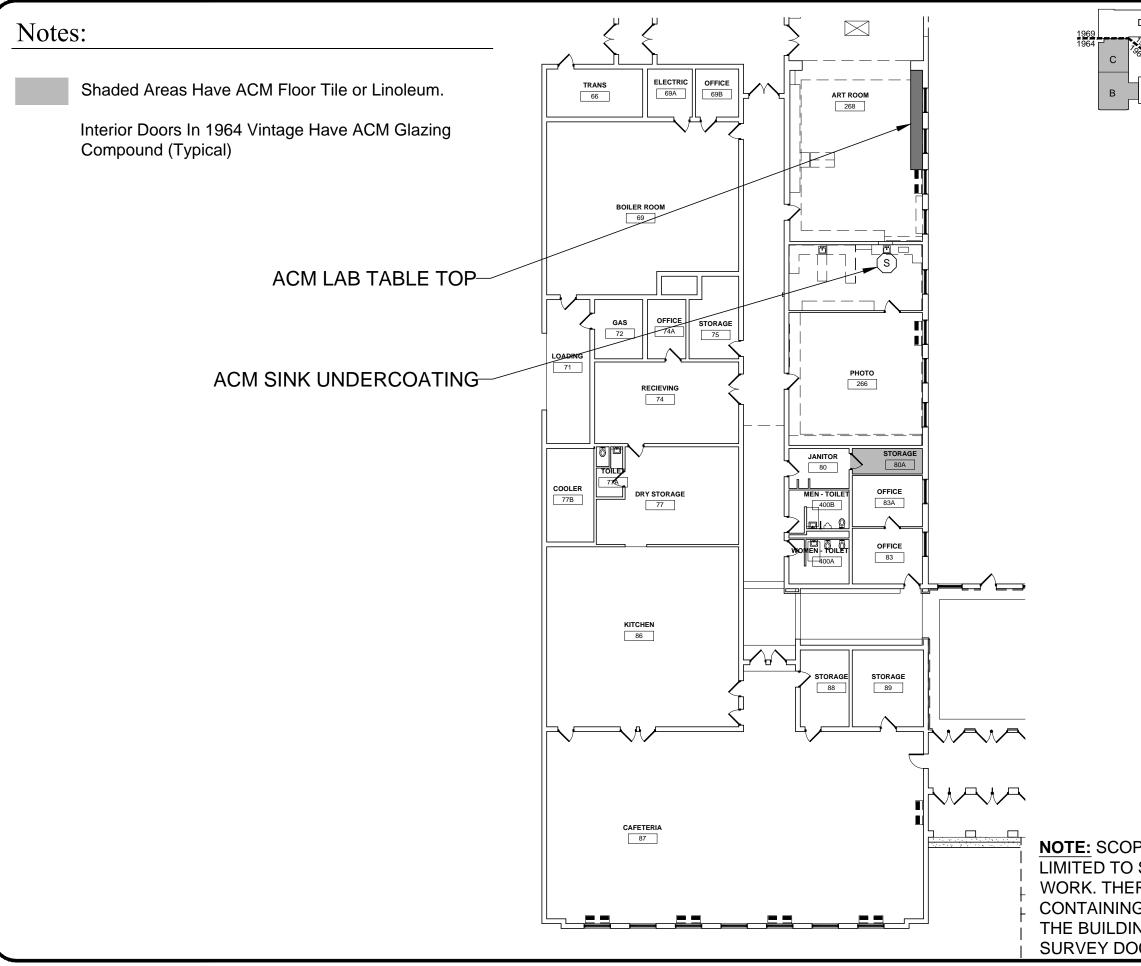
## LEGEND

- Sample Locations Preceded by "81915L-" XX Sample Number

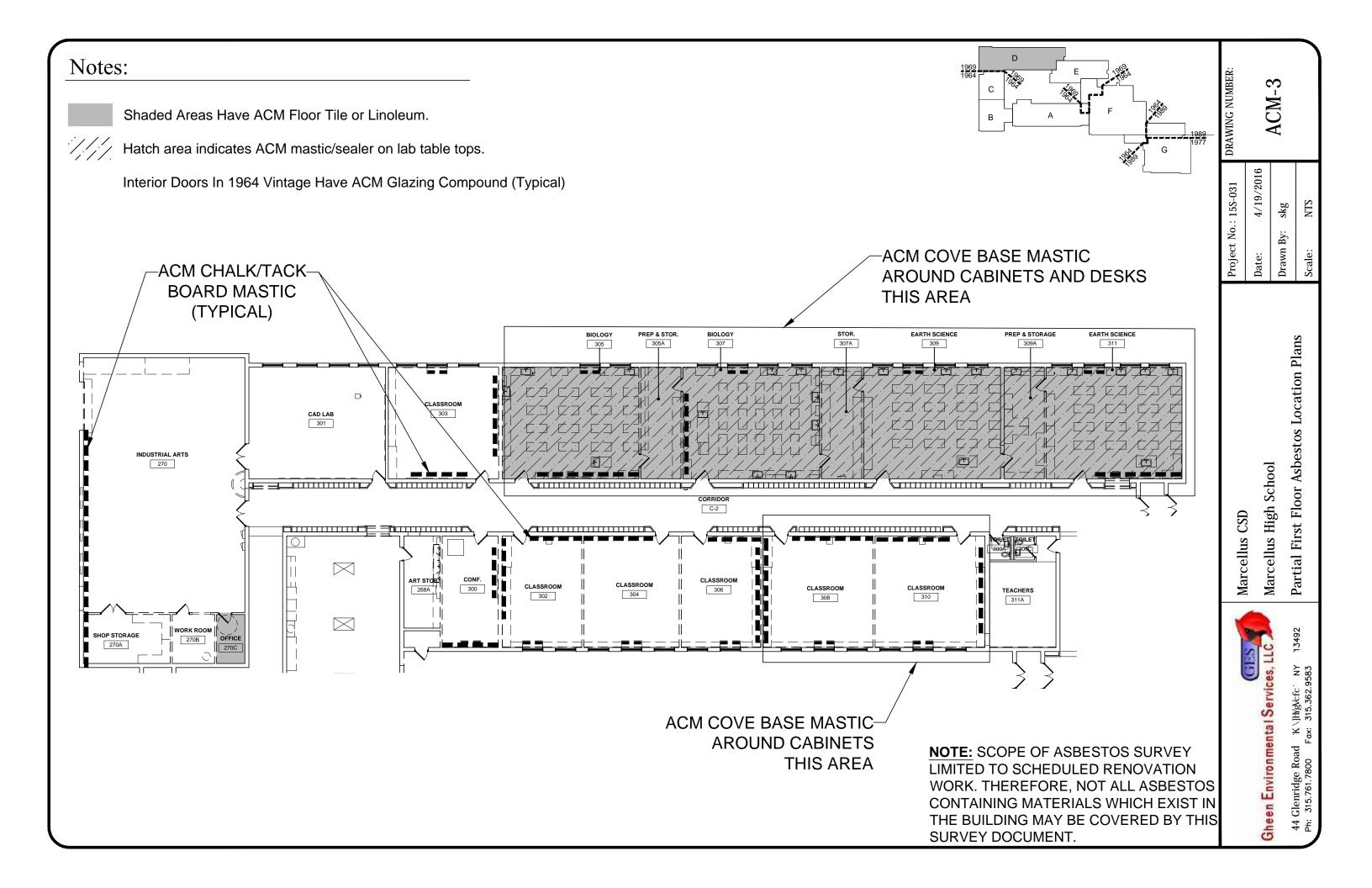


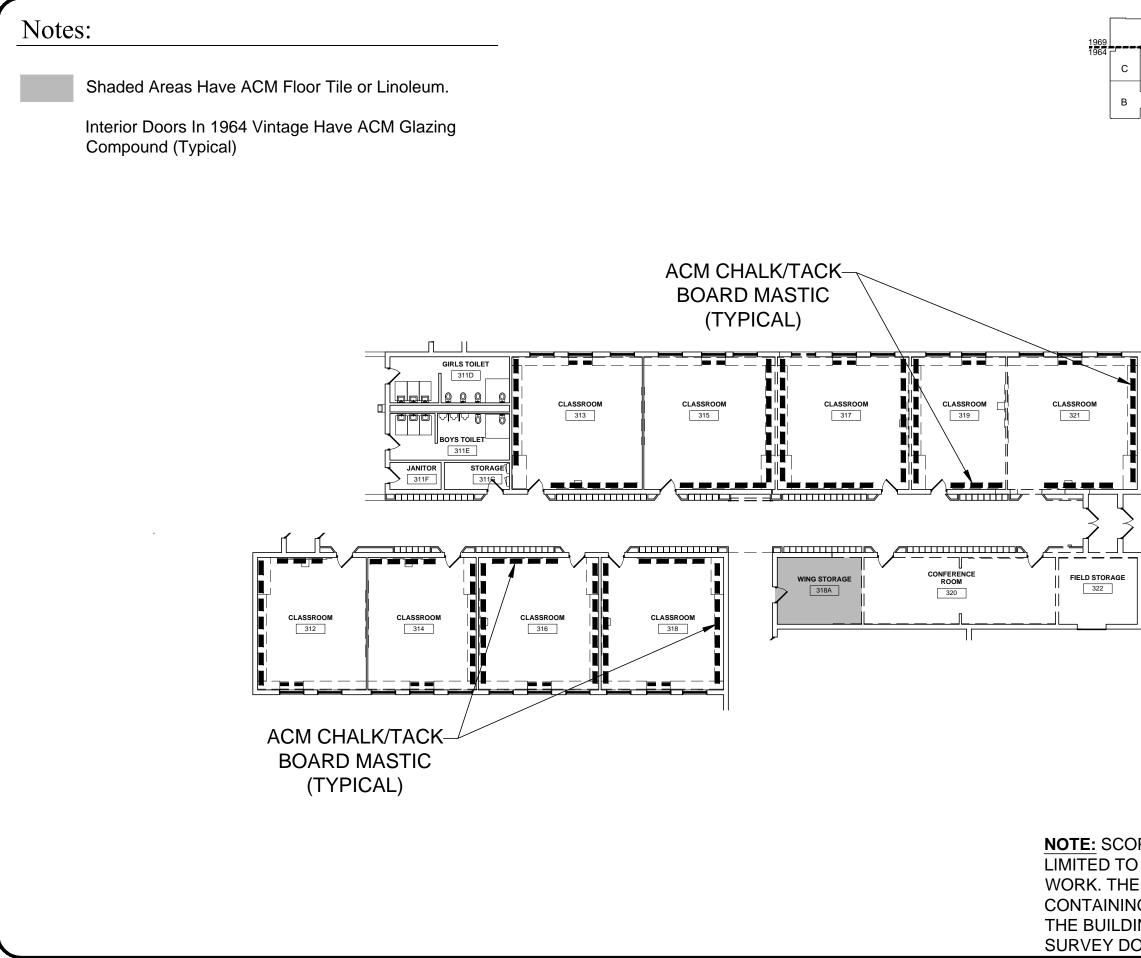
	Marcellus CSD	Project No.: 15S-031	DRAWING NUMBER:
Gheen Fnvironmental Services 110		Date: 4/19/2016	
Mark vin Salativa bood orbitality the		Drawn By: skg	SLY-Z
44 слеппиде мода в унивустс NT 13492 Ph: 315.761.7800 Fax: 315.362.9583	second right for sample rocauon right	Scale: NTS	



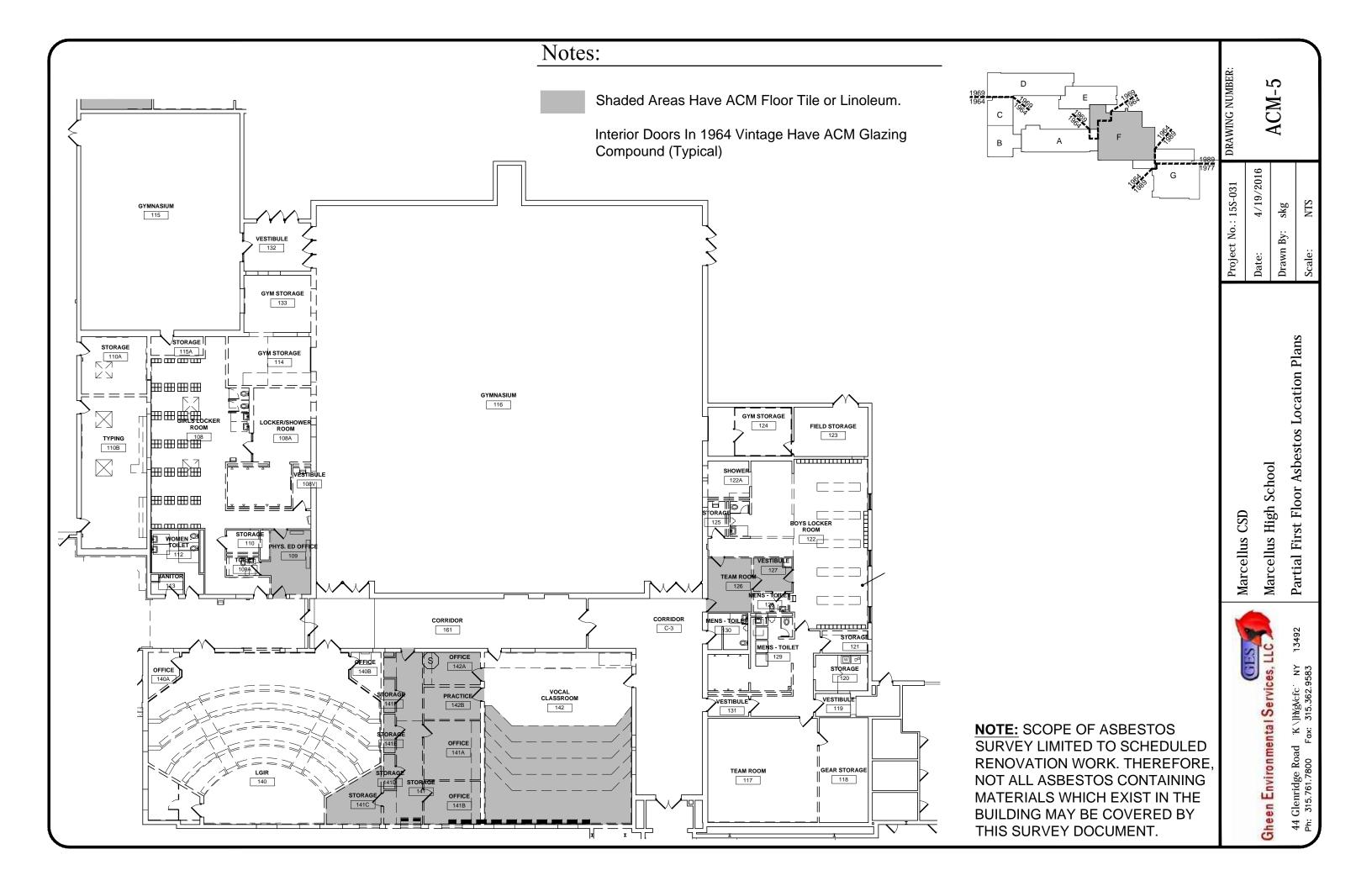


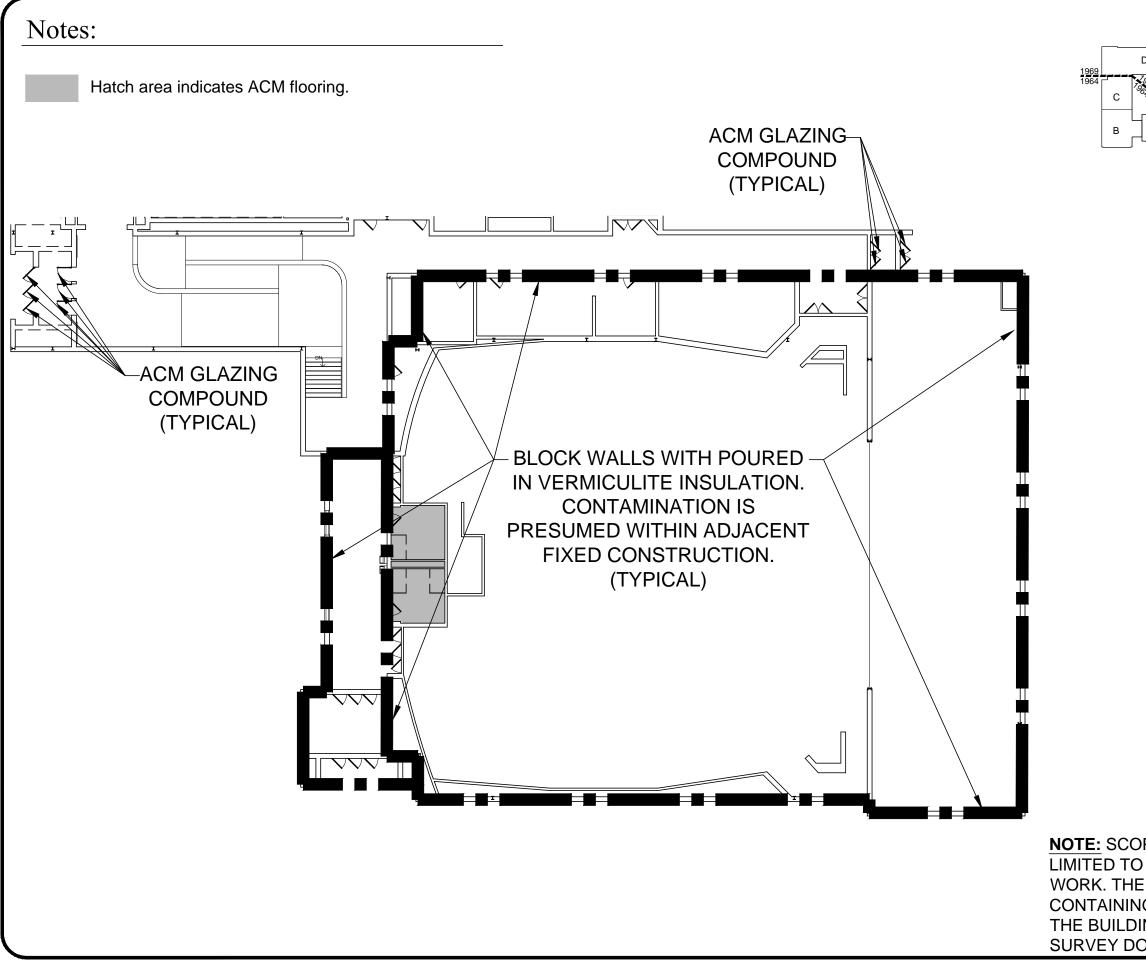
	DRAWING NUMBER: ACM-2			
≮ي∞ []	Project No.: 15S-031	4/19/2016	/: skg	STN
	Project N	Date:	Drawn By:	Scale:
	Marcellus CSD	Marcollius Uirth School		Partial First Floor Aspestos Location Plans
OPE OF ASBESTOS SURVEY O SCHEDULED RENOVATION EREFORE, NOT ALL ASBESTOS IG MATERIALS WHICH EXIST IN ING MAY BE COVERED BY THIS OCUMENT.		Ghaen Environmental Services 110		44 Glemridge Koad K \jrrgvcrc NY 13492 Ph: 315.761.7800 Fax: 315.362.9583





	DRAWING NUMBER:		ACM-4	
	Project No.: 15S-031	Date: 4/19/2016	Drawn By: skg	Scale: NTS
	Marcellus CSD			Partial First Floor Aspestos Location Plans
OPE OF ASBESTOS SURVEY O SCHEDULED RENOVATION EREFORE, NOT ALL ASBESTOS IG MATERIALS WHICH EXIST IN ING MAY BE COVERED BY THIS DCUMENT.		Ghaen Fnvironmental Sarvices 11C		44 Glenridge Koad K \ hKgkcfc'NY 13492 Ph: 315.761.7800 Fax: 315.362.9583

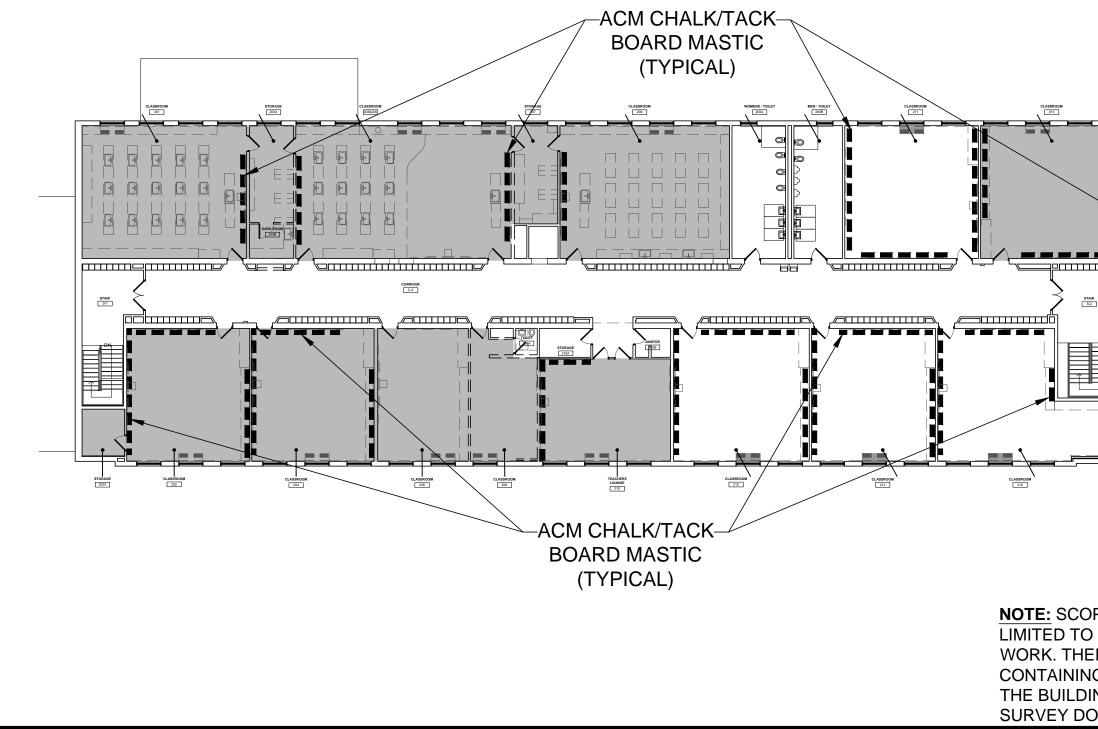




	DRAWING NUMBER:		ACM-6	
G 1977 G	Project No.: 15S-031	4/19/2016	Drawn By: skg	STN
	Project	Date:	Drawn B	Scale:
	Marcellus CSD	Marcolline High School		Partial first floor Aspestos Location Plans
OPE OF ASBESTOS SURVEY O SCHEDULED RENOVATION EREFORE, NOT ALL ASBESTOS IG MATERIALS WHICH EXIST IN ING MAY BE COVERED BY THIS OCUMENT.		Ghaen Environmental Services 110		44 Grennidge Koad K \jrigvete NY 13492 Ph: 315.761.7800 Fax: 315.362.9583

### Notes:

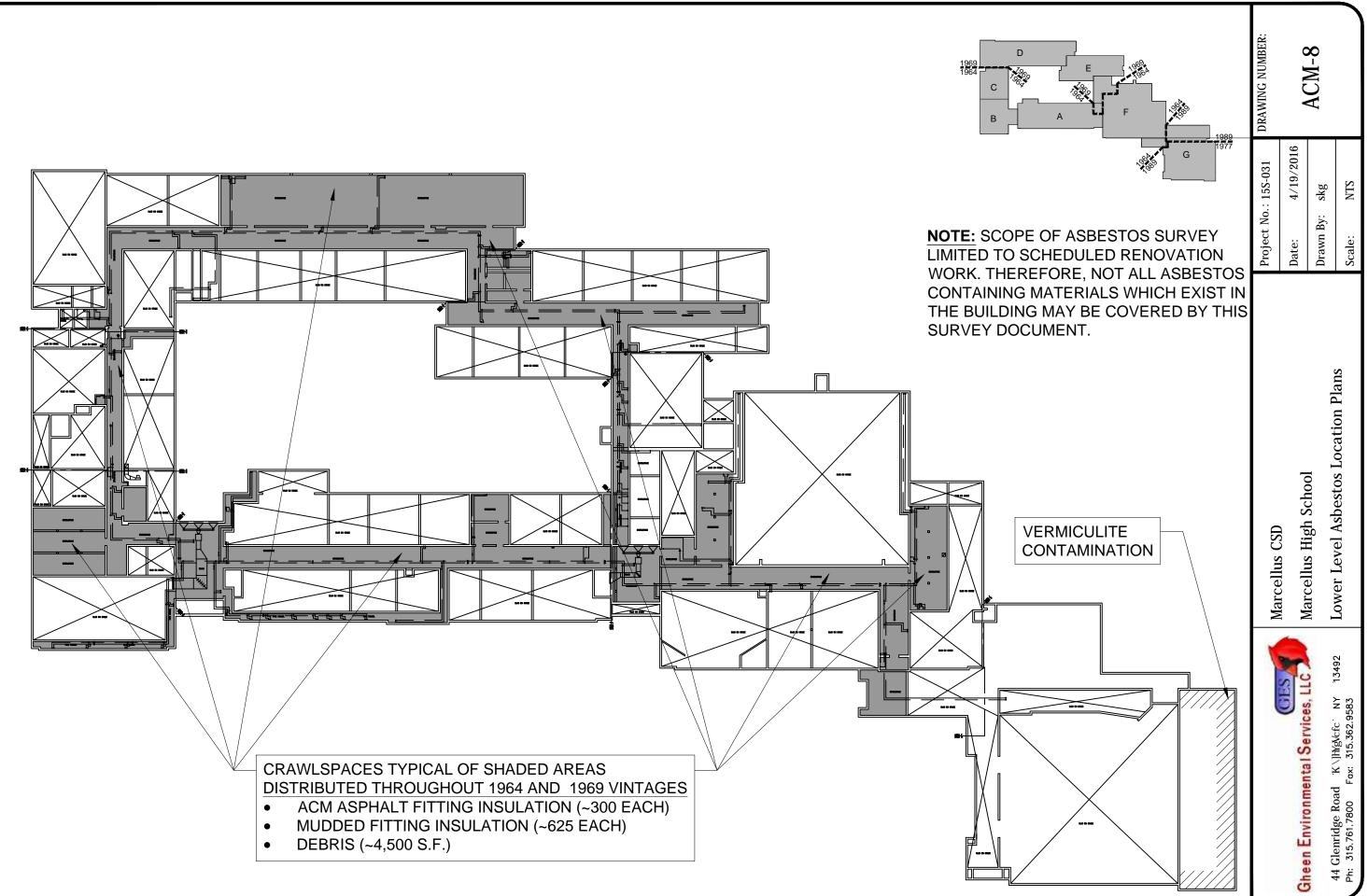
Hatch area indicates ACM flooring.Vermiculite in exterior walls (Not shown).Interior doors with ACM light glazing compound (Not shown).Doors with ACM window glazing sealant (Not shown).

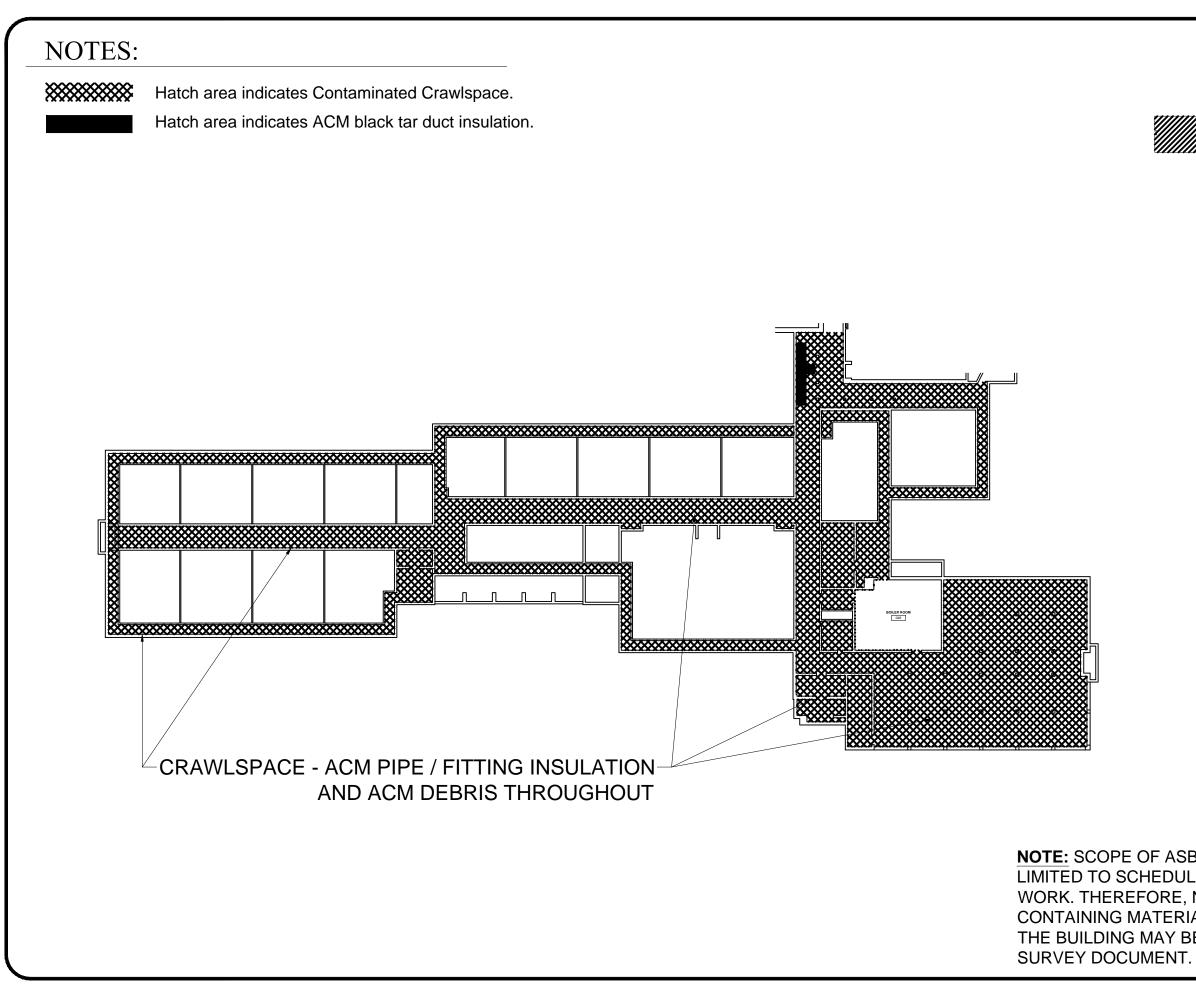


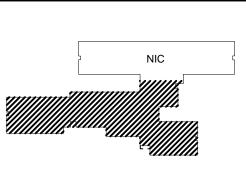
	DRAWING NUMBER:		ACM-/	
G	Project No.: 15S-031	4/19/2016	Drawn By: skg	: NTS
	Proje	Date:	Drawı	Scale:
	Marcellus CSD			Second Floor Aspestos Location Flans
PE OF ASBESTOS SURVEY SCHEDULED RENOVATION EREFORE, NOT ALL ASBESTOS IG MATERIALS WHICH EXIST IN ING MAY BE COVERED BY THIS DCUMENT.		Ghaen Fnvironmental Sarvices 110		44 GJETITIQBE KOAU KAJINEBYCIC NY 13492 Ph: 315.761.7800 Fax: 315.362.9583

В



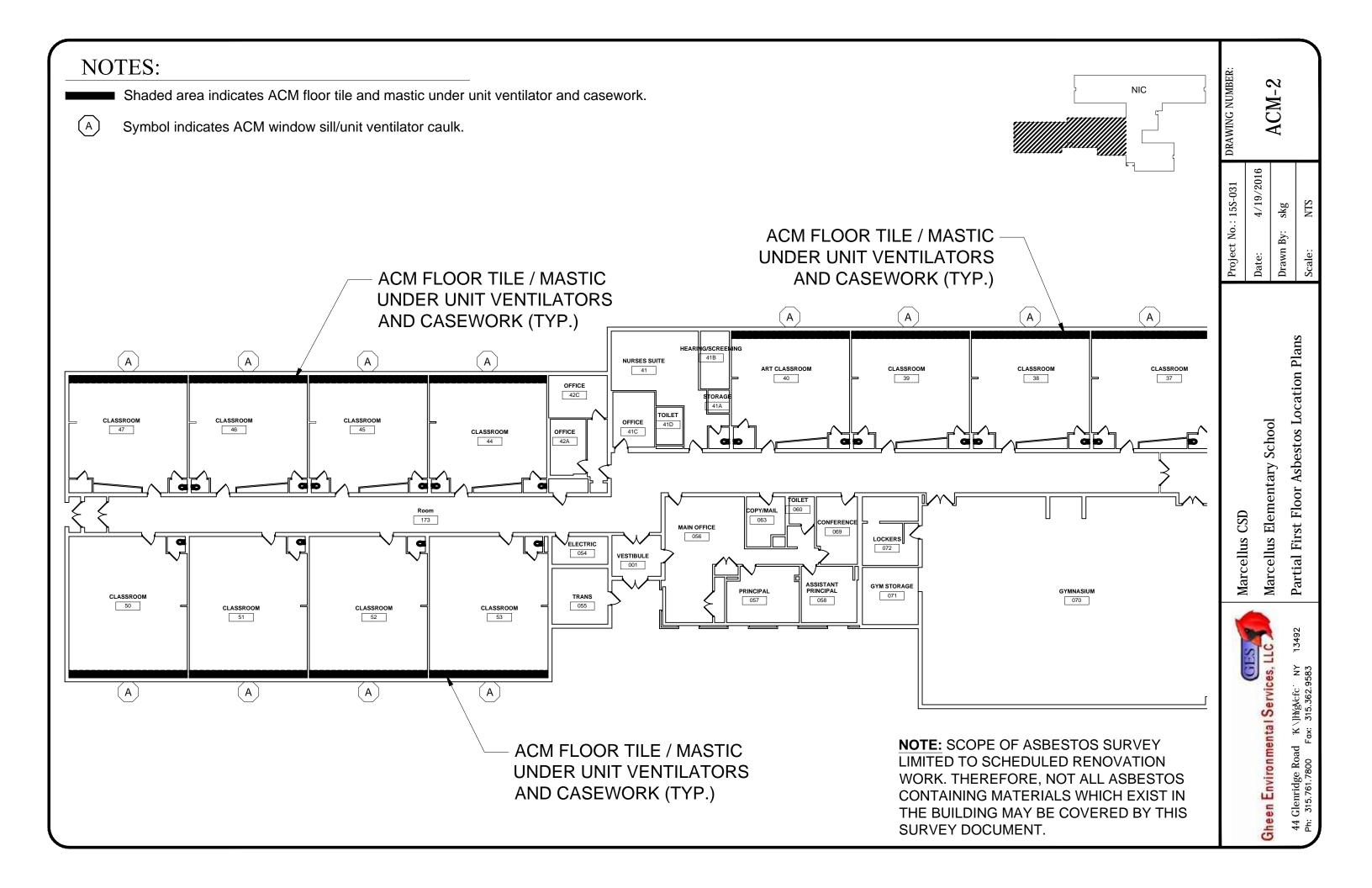






**NOTE: SCOPE OF ASBESTOS SURVEY** LIMITED TO SCHEDULED RENOVATION WORK. THEREFORE, NOT ALL ASBESTOS CONTAINING MATERIALS WHICH EXIST IN THE BUILDING MAY BE COVERED BY THIS

	Marcellius CSD	Project No.: 15S-031	DRAWING NUMBER:
Sheen Environmental Services 110		Date: 4/19/2016	
		Drawn By: skg	ACM-1
44 GIELILIUGE ROAU IN JITEGECIC NY 13492 Ph: 315.761.7800 Fax: 315.362.9583	Urawispace Aspesios Location Flans	Scale: NTS	

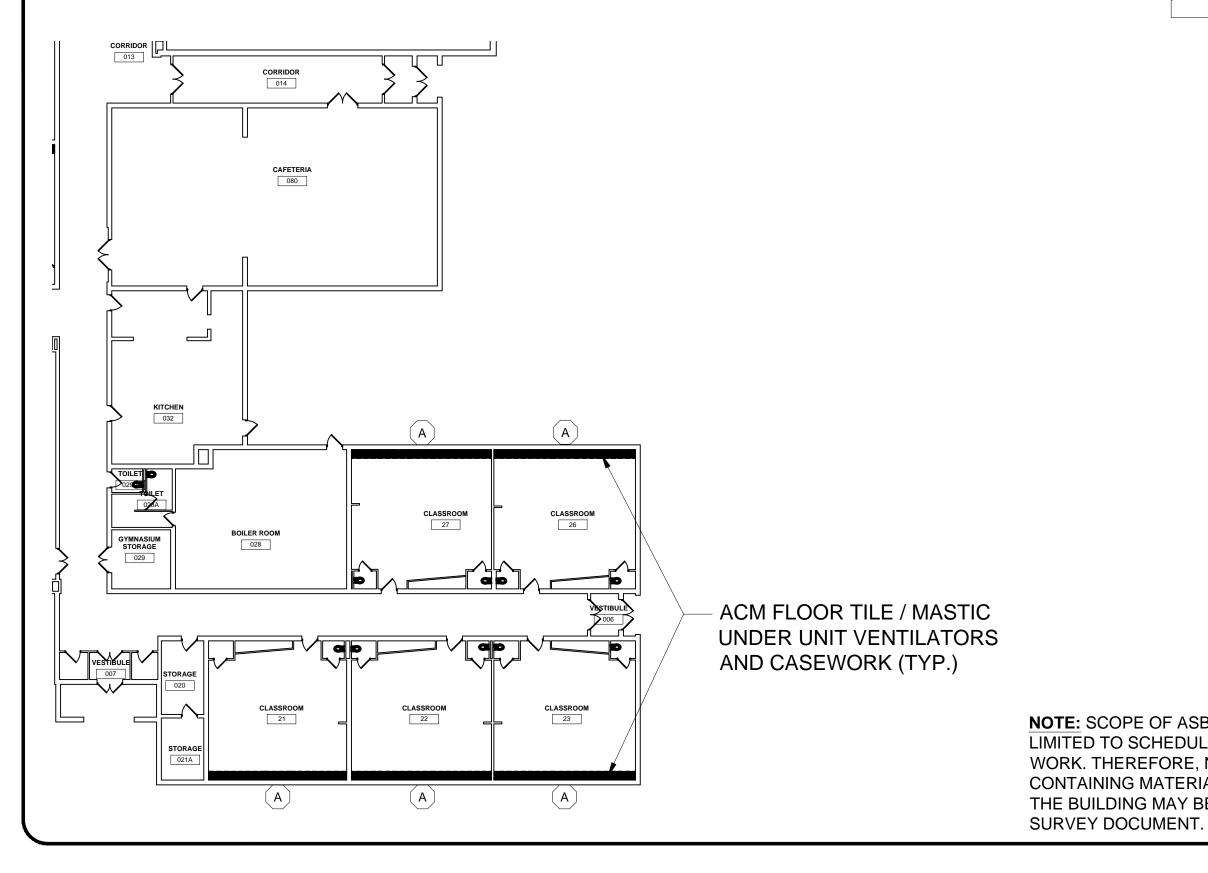


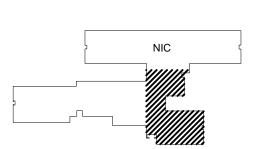
## NOTES:

Hatch area indicates ACM floor tile and mastic under unit ventilators 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

	Marcellins CSD	Project No.: 15S-031	DRAWING NUMBER:
Ghaan Fnvironmantal Sarvicas 110		Date: 4/19/2016	
		Drawn By: skg	ACIM-3
44 GIETIUGE KOAU KAJINEGOCIC NY 13492 Ph: 315.761.7800 Fax: 315.362.9583	Farual first floor Aspestos Location Flans	Scale: NTS	

### 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:

M

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.

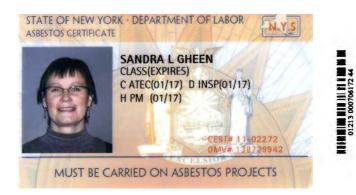
This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

SH 432 (8/12)

Eileen M. Franko, Director For the Commissioner of Labor



## New York State Department of Labor Asbestos Certificate



#### 

- eyes haz Hair Bro Hgt 5' 05"
- IF FOUND RETURN TO: NYSDOL - LEC UNIT ROOM 161A BUILDING 12 STATE OFFICE CAMPUS ALBANY NY 12240

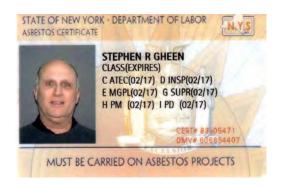
Classification Legend:

- A Asbestos Handler
- B Restricted Allied Trades
- C Air Sampling Tech
- D Inspector
- E Management Planner

- F Operations & Maintenance
- G Supervisor
- H Project Monitor
- I Project Designer



## New York State Department of Labor Asbestos Certificate



FIT EYES BLU BOT 6' 02" IF FOUND RETURN TO: NYSDOL - L&C UNIT ROOM 161A BUILDING 12 STATE OFFICE CAMPUS ALBANY NY 12240

Classification Legend:

- A Asbestos Handler
- B Restricted Allied Trades
- C Air Sampling Tech
- D Inspector
- E Management Planner

- F Operations & Maintenance
- G Supervisor
- H Project Monitor
- I Project Designer



## New York State Department of Labor Asbestos Certificate



#### Classification Legend:

- A Asbestos Handler
- B Restricted Allied Trades
- <u>C</u> <u>Air Sampling Tech</u>
- <u>D</u> <u>Inspector</u>
- E Management Planner

- F Operations & Maintenance
- G Supervisor
- H Project Monitor
- I Project Designer

United States Department of Commerce National Institute of Standards and Technology	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: <b>Asbestos Fiber Analysis</b>	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 For the National Voluntary Laboratory Accreditation Program
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I

## NVLAP<sup>®</sup> 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> 18/A02

#### **Description**

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

NVLAP Code **Designation / Description** 

EPA 600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation 18/A01 Samples

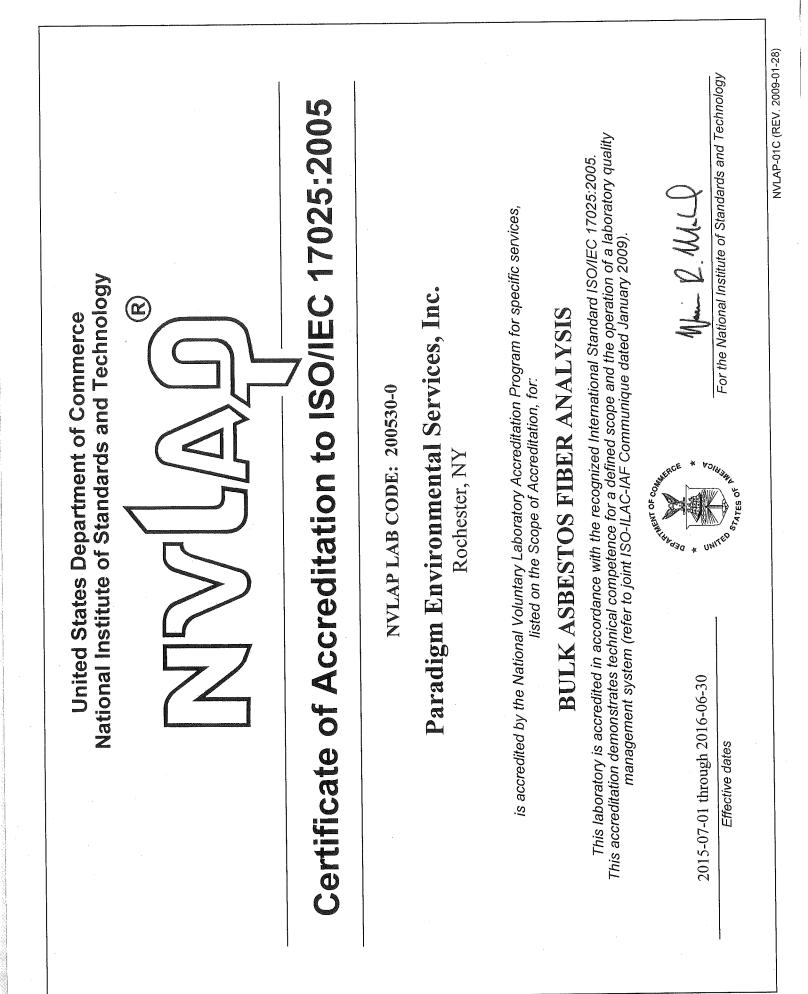
18/A03 EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

2015-07-01 through 2016-06-30

Effective dates

0 ML

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.

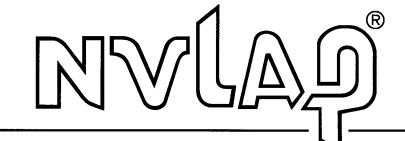
P MM

For the National Institute of Standards and Technology

2015-07-01 through 2016-06-30

Effective dates

### 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



For the National Voluntary Laboratory Accreditation Program

## NVLAP<sup>®</sup> 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

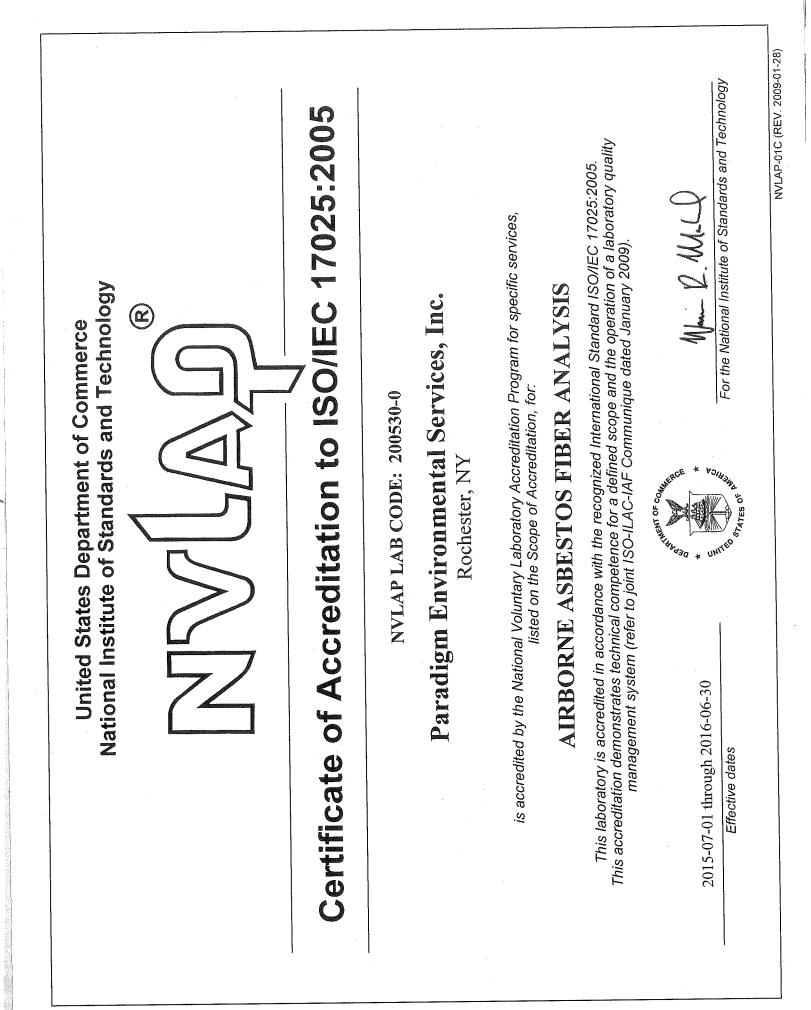
#### **Airborne Asbestos Analysis**

<u>Code</u> 18/A02

#### **Description**

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



#### 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

**Sample Preparation Methods** 

Asbestos in Non-Friable Material-PLM Asbestos in Non-Friable Material-TEM Lead in Dust Wipes Lead in Paint Item 198.1 of Manual EPA 600/M4/82/020 Item 198.6 of Manual (NOB by PLM) Item 198.4 of Manual EPA 6010C EPA 6010C

EPA 3050B

#### 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



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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 APX A No. 11 NIOSH 7402 NIOSH 7400 A RULES

Fibers

#### 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

NVLAP Code **Designation / Description** 

EPA 600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation 18/A01 Samples

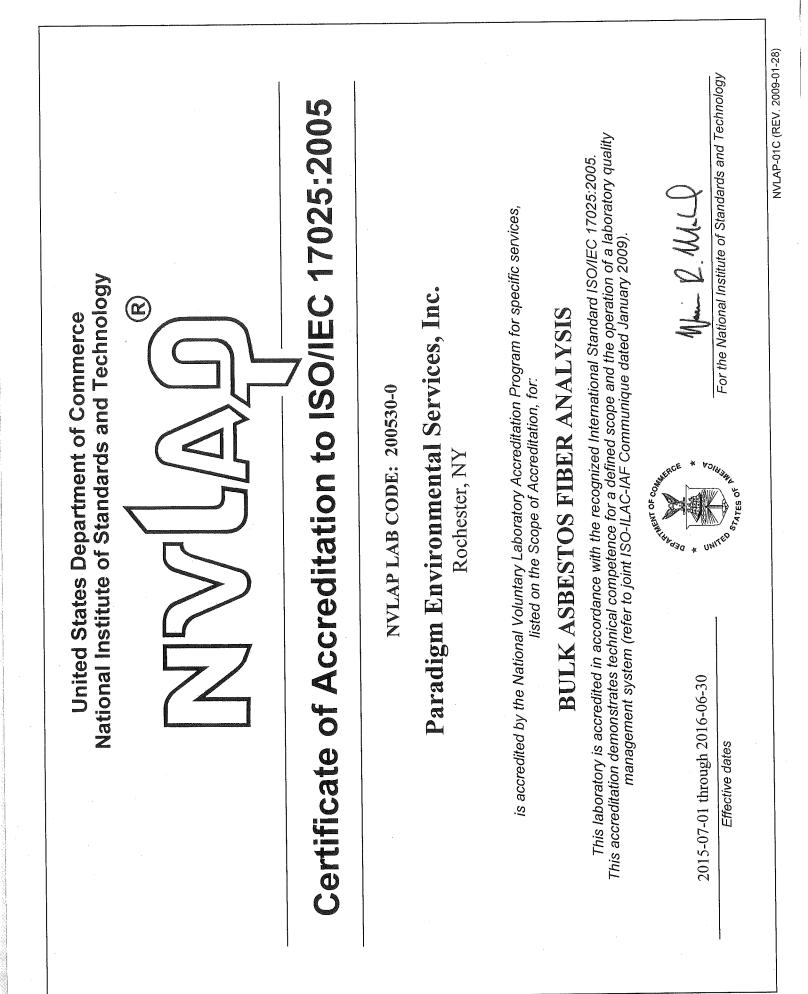
18/A03 EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

2015-07-01 through 2016-06-30

Effective dates

0 ML

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

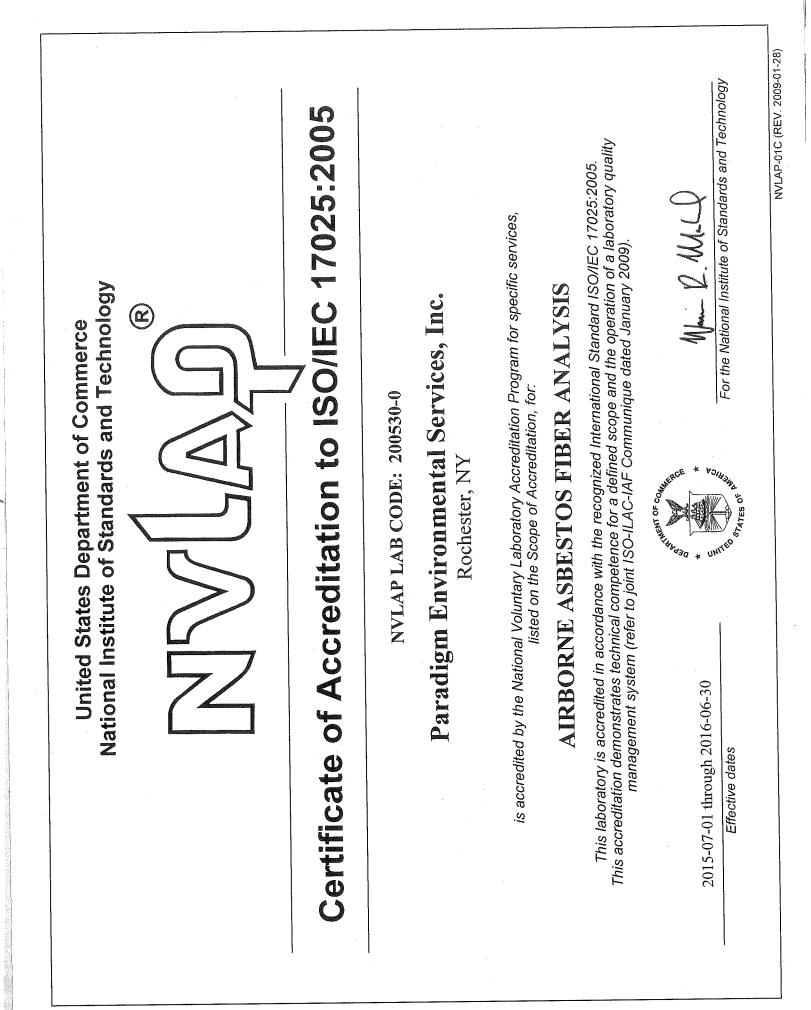
U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.

P MM

For the National Institute of Standards and Technology

2015-07-01 through 2016-06-30

Effective dates



## Marcellus CSD

**High School** 

Pre-Renovation Limited PCBs & Heavy Metals In Caulking Survey April 2016

Prepared For: SEI Design Group Albany, NY



44 Glenridge Road•Whitesboro•New York•13492•Phone: 315.761.7800 • Fax: 315.362.9583

#### 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 <u>Building Owner Actions Required By Regulation</u>

#### 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  $\geq$  50 ppm are regulated by State and Federal regulations. Materials containing PCBs  $\geq$  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 <u>PCB Survey Results</u>

5.1 Methodology

Materials with as-found concentrations of PCBs  $\geq$  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 <u>Heavy Metals Survey Results</u>

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.

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. – Heavy Metal Regulatory Levels

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 <u>Appendices</u>

- 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

#### **High School**

SAMPLE NUMBER	MATERIAL	ANAL	TICAL RESU	LTS	Regulatory Level	VINTAGE
		Silver -	<0.49	mg/kg	100 mg/kg (5 mg/L) *	
		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) *	
82614H-14	Door Caulk	Chromium -	2.31	mg/kg	100 mg/kg (5 mg/L) *	1989
		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) *	
		Silver -	<1.96	mg/kg	100 mg/kg (5 mg/L) *	
		Arsenic -	<0.490	mg/kg	100 mg/kg (5 mg/L)*	
		Barium -	61.8	mg/kg		
		Cadmium -	<0.245	mg/kg		
4416H-02	Unit Ventilator Louver Caulk	Chromium -	0.672	mg/kg	100 mg/kg (5 mg/L) *	1969
		Mercury -	0.0110	mg/kg		
		Lead -	33.9	mg/kg	100 mg/kg (5 mg/L)*	
		Selenium -	7.72	mg/kg	20 mg/kg (1 mg/L) *	
		PCBs -	<4.31	ppm	50 ppm (mg/kg)	
		Silver -	<0.472	mg/kg	100 mg/kg (5 mg/L) *	
		Arsenic -	<0.472	mg/kg		
		Barium -	4.72	mg/kg		
		Cadmium -	<0.236	mg/kg		
4416H-03	Window Caulk	Chromium -	0.740	mg/kg	100 mg/kg (5 mg/L) *	1969
		Mercury -	< 0.00705	mg/kg	4 mg/kg (0.2 mg/L) *	
		Lead -	0.646	mg/kg	100 mg/kg (5 mg/L)*	
		Selenium -	2.79	mg/kg	20 mg/kg (1 mg/L) *	
		PCBs -	308	ppm	50 ppm (mg/kg)	
		Cil	-1.02			
		Silver -	<1.82	mg/kg		
		Arsenic -	<0.455	mg/kg		
		Barium -	5.68	mg/kg		
441611.02		Cadmium -	<0.227	mg/kg		1060
4416H-03	Sill Caulk	Chromium -	1.49	mg/kg		1969
		Mercury -	0.0147	mg/kg		
		Lead -	3.20	mg/kg		
		Selenium -	5.39	mg/kg		
		PCBs -	15400	ppm	50 ppm (mg/kg)	

#### Table 1.1 - Caulk Bulk Sample Results Summary

NOTE:

Identified regulatory level for RCRA metal results (Silver, Arsenic, Barium, Cadmium, Chromium, Mercury, Lead \* = and Selinium) 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

#### **High School**

SAMPLE NUMBER	MATERIAL	ANALY	TICAL RESU	LTS	Regulatory Level	VINTAGE
		Silver -	<0.476	mg/kg	100 mg/kg (5 mg/L) *	
		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) *	1000
4416H-08	Window/Door Caulk	Chromium -	4.91	mg/kg	100 mg/kg (5 mg/L) *	1989
		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) *	
			0.405	4		
		Silver -	<0.495	mg/kg	100 mg/kg (5 mg/L) *	
		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) *	
4416H-09	Door Caulk	Chromium -	0.770	mg/kg	100 mg/kg (5 mg/L) *	1964
		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) *	
		PCBs -	16.50	ppm	50 ppm (mg/kg)	
		Silver -	<1.96	mg/kg	100 mg/kg (5 mg/L) *	
		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) *	
4416H-10	Door Glazing Compound	Chromium -	9.57	mg/kg	100 mg/kg (5 mg/L) *	1964
		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) *	
		PCBs -	<4.42	ppm	50 ppm (mg/kg)	
		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) *	
4416H-13	Unit Ventilator Louver Caulk	Chromium -	95.2	mg/kg	100 mg/kg (5 mg/L) *	1964
		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) *	
		PCBs -	<5.10	ppm	50 ppm (mg/kg)	

#### Table 1.1 - Caulk Bulk Sample Results Summary

NOTE:

Identified regulatory level for RCRA metal results (Silver, Arsenic, Barium, Cadmium, Chromium, Mercury, Lead \* = and Selinium) 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

#### **High School**

SAMPLE NUMBER	MATERIAL	ANALY	TICAL RESU	JLTS	Regulatory Level	VINTAGE
		Silver -	<2.45 0.618	mg/kg mg/kg		
		Arsenic - Barium -	15.8	mg/kg		
		Cadmium -	<0.245	mg/kg	20 mg/kg (1 mg/L) *	
4416H-14	Window Glazing Compound	Chromium -	20.7	mg/kg	100 mg/kg (5 mg/L) *	1964
		Mercury -	1.35	mg/kg		
		Lead -	113	mg/k	100 mg/kg (5 mg/L)*	
		Selenium -	9.99	mg/kg	20 mg/kg (1 mg/L) *	
		PCBs -	<4.78	ppm	50 ppm (mg/kg)	
		1			····	

#### Table 1.1 - Caulk Bulk Sample Results Summary

#### NOTE:

Identified regulatory level for RCRA metal results (Silver, Arsenic, Barium, Cadmium, Chromium, Mercury, Lead  $*_{=}$  and Selinium) 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

## <u>Appendix B</u>

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,

XI-lle

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

FOR: Attn: Ms Sandra Gheen Gheen Engineering, PLLC 44 Glenridge Road Whitesboro NY 13492

September 04, 2015

Sample Informa	ation	Custody Inforn	nation	Date	<u>Time</u>
Matrix:	SOLID	Collected by:	SG	08/26/15	9:50
Location Code:	GHEEN	Received by:	LK	09/02/15	10:34
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:	15S-1031	I als avaitave			

## Laboratory Data

SDG ID: GBJ85062 Phoenix ID: BJ85062

Project ID:	MARCELLUS CSD MAIN
Client ID:	82614H DOOR CAULK

		RL/					
Parameter	Result	PQL	Units	Dilution	Date/Time	Ву	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	ΕK	SW6010C
Barium	38.1	0.49	mg/Kg	1	09/03/15	ΕK	SW6010C
Cadmium	< 0.49	0.49	mg/Kg	1	09/03/15	ΕK	SW6010C
Chromium	2.31	0.49	mg/Kg	1	09/03/15	ΕK	SW6010C
Mercury	252	12	mg/Kg	1	09/03/15	RS	SW7471B
Lead	1.95	0.49	mg/Kg	1	09/03/15	ΕK	SW6010C
Selenium	< 2.0	2.0	mg/Kg	1	09/03/15	ΕK	SW6010C
Mercury Digestion	Completed				09/03/15	1/1	SW7471B
Total Metals Digest	Completed				09/02/15	G/AG	SW3050B

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) 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

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)													
ICP Metals - Soil													
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 Sam	nple No:	BJ85010	) (BJ850	62)								
Mercury - Soil	BRL	0.06	<0.03	<0.03	NC	106	92.7	13.4	96.3	87.9	9.1	70 - 130	30
Comment:													
Additional Moreury critoria, LCS	econtana	o rongo	for waters	ic 00 120	0/ and fo	or coile i	- 70 1200	2/					

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

Friday, Sep	tember 04, 20 <sup>-</sup>	15	Sample Criteria	Sample Criteria Exceedences Report							
Criteria:	None		•	35062 - GHEEN							
State:	NY		CEU				RL	Analysis			
SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	Criteria	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  $21^{\circ}$ C. (Note acceptance criteria is above freezing up to  $6^{\circ}$ C)

	<b>DENIX</b> ental Laboratories	, Inc.		587 E	Z <b>/NJ CH</b> East Middle T Email: info@ Clien	urnpike phoeni	e, P.O. xlabs.c	Box 3 com	870, Mar	chest 60) 6	er, CT 45-082	06040			[		x #:	<u>:</u>		1 of	
Customer: Address:	Gheen Environmental Se 44 Glenridge Road	ervices, Ll	<u>_C</u> .		Project: <u>Marcellus (</u> Report to: <u>Sandra Gh</u>				Sheen	Main					. 1	Project P.O: <u>15S-6</u> Phone #: <u>315-7</u>		761-7			
Sampler's Signature	Whitesboro, NY 13492		ntion Date:8/:	31/2015	Invoic Analysi Reques	s	San		Sheen					7	7 /	Fax #:		_	362-9		Soft Soft
Matrix Code: DW=drinking water GW=groundwater Phoenix	WW=wastewater S=soil/so SL=sludge A=air	X=othe		Time		Meials								2 1 1 C	Methon	aller tot	er ver	54 12 1200011 100011 100011	EOMI -	12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15111 Bolle
Sample #	Customer Sample Identification 82614H- Door Caulk	Sample Matrix S	Date Sampled 8/26/2015	Time Sampled 9:50	X X	×	+ / +	$\left\langle +\right\rangle$	/+/	+	+/+		X V	<u>6) (0</u>		20 KD	CT PE	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		27 20 Q	acter
Comments, Speci		nica		<u>Date</u> 8(3	2115		. <u>.</u>	☐ 1 22 33 ■ S 00 * SUI	around: Day* Days* Days* tandard ther RCHARG PPLIES		Res. C Non-R Impac Clean GW C	es. Cri t to GV up Crit riteria	V Soil eria		AGM 4 1Y375 ioil 1Y375 ioil 1Y375 Ion-Re	4046 G 4046 S Unresti Reside Restric sidenti	OIL ricted ential ted		xcel DF GIS/Key QuIS IJ Haze IY EZ E Dther  <b>Packa</b>	site EDE EDD (AS <b>ge</b> anced De	) SP)



### 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.

MANA AMA

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

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.

Report Prepared Wednesday, April 13, 2016

Page 1 of 20



Client:	<u>Gheen Envir</u>	<u>onmental</u>			
Project Reference:	Marcellus 15	S-031			
Sample Identifier: Lab Sample ID: Matrix:	41416H-02 161308-01 Caulk	Unit Ventilat	or Louver Caulk	Date Sampled: Date Received:	4/4/2016 4/6/2016
Mercury					
Analyte		<u>Result</u>	<u>Units</u>	Qualifier	Date Analyzed
Mercury		0.0110	mg/Kg		4/8/2016 12:47
Method Reference Preparation Date Data File:	e: 4/7/20 Hg160	016			
<u>RCRA Metals (ICP)</u>	_				
<u>Analyte</u>		<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<b>Date Analyzed</b>
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 Preparation Date Data File:	EPA 30	050B 016			
<u>PCBs</u>					
<u>Analyte</u>		<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<b>Date Analyzed</b>
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



Client:	<u>Gheen</u>	Environm	ental				
Project Reference:	Marcel	lus 15S-03	1				
Sample Identifier:	41416	6H-02 Unit	Ventilator Louver C	aulk			
Lab Sample ID:	16130	08-01		Dat	e Sampled:	4/4/2016	
Matrix:	Caulk			Dat	e Received:	4/6/2016	
Surrogate			Percent Recovery	<u>Limits</u>	<u>Outliers</u>	Date Anal	yzed
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	ce(s):	EPA 8082A					
Preparation Date	e:	EPA 3550C 4/7/2016					



Client:	<u>Gheen Environment</u>	al		
Project Reference:	Marcellus 15S-031			
Sample Identifier: Lab Sample ID: Matrix:	41416H-03 Window 161308-02 Caulk	Caulk	Date Sampled: Date Received:	4/4/2016 4/6/2016
<u>Mercury</u>				
Analyte	Resu	lt <u>Units</u>	Qualifier	Date Analyzed
Mercury	< 0.007	05 mg/Kg		4/8/2016 12:51
Method Reference Preparation Date Data File:				
<u>RCRA Metals (ICP)</u>	<u> </u>			
<u>Analyte</u>	Resu	<u>lt Units</u>	Qualifier	<b>Date Analyzed</b>
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 Preparation Date Data File:	EPA 3050B			
<u>PCBs</u>				
<u>Analyte</u>	Resu	<u>lt Units</u>	Qualifier	<b>Date Analyzed</b>
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



Client:	<u>Gheen Environm</u>	<u>iental</u>				
Project Reference:	Marcellus 15S-03	1				
Sample Identifier:	41416H-03 Wind	dow Caulk				
Lab Sample ID:	161308-02		Dat	e Sampled:	4/4/2016	
Matrix:	Caulk		Dat	e Received:	4/6/2016	
Surrogate		Percent Recovery	<u>Limits</u>	<u>Outliers</u>	Date Analy	zed
Decachlorobiphenyl		NC	0.53 - 137		4/10/2016	23:24
Tetrachloro-m-xylene		NC	0 - 138		4/10/2016	23:24
Method Reference	<b>ce(s):</b> EPA 8082A					
Preparation Date	EPA 3550C e: 4/7/2016					



Client:	<u>Gheen Environmental</u>			
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>Mercury</u>				
Analyte	Result	<u>Units</u>	Qualifier	<b>Date Analyzed</b>
Mercury	0.0147	mg/Kg		4/8/2016 12:54
Method Reference Preparation Date Data File:	.,			
<u>RCRA Metals (ICP)</u>				
<u>Analyte</u>	Result	<u>Units</u>	Qualifier	<b>Date Analyzed</b>
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 Preparation Date Data File:	EPA 3050B			
<u>PCBs</u>				
<u>Analyte</u>	<u>Result</u>	<u>Units</u>	Qualifier	<b>Date Analyzed</b>
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



Client:	<u>Gheen Environm</u>	<u>ental</u>				
Project Reference:	Marcellus 15S-03	1				
Sample Identifier:	41416H-04 Sill C	aulk				
Lab Sample ID:	161308-03		Dat	e Sampled:	4/4/2016	
Matrix:	Caulk		Dat	e Received:	4/6/2016	
Surrogate		Percent Recovery	<u>Limits</u>	<u>Outliers</u>	Date Analy	zed
Decachlorobiphenyl		NC	0.53 - 137		4/10/2016	23:47
Tetrachloro-m-xylene		NC	0 - 138		4/10/2016	23:47
Method Reference						
Preparation Date	EPA 3550C e: 4/7/2016					



Client:	<u>Gheen</u>	<u>Environmental</u>			
Project Reference:	Marcel	lus 15S-031			
Sample Identifier:	41416	5H-08 Window/Do	or Caulk		
Lab Sample ID:	16130	)8-04		Date Sampled:	4/4/2016
Matrix:	Caulk			Date Received:	4/6/2016
<u>Mercury</u>					
<u>Analyte</u>		<u>Result</u>	<u>Units</u>	Qualifier	<b>Date Analyzed</b>
Mercury		27.1	mg/Kg		4/8/2016 13:04
Method Referen Preparation Dat Data File:		EPA 7471B 4/7/2016 Hg160408A			
<u>RCRA Metals (ICP</u>	1				
<u>Analyte</u>		<u>Result</u>	<u>Units</u>	Qualifier	<b>Date Analyzed</b>
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 Referen Preparation Dat Data File:		EPA 6010C EPA 3050B 4/6/2016 040716b			



Client:	<u>Gheen Environ</u>	<u>mental</u>			
Project Reference:	Marcellus 15S-0	31			
Sample Identifier: Lab Sample ID: Matrix:	41416H-09 Do 161308-05 Caulk	or Caulk		Date Sampled: Date Received:	4/4/2016 4/6/2016
Mercury					
Analyte		<u>Result</u>	<u>Units</u>	Qualifier	Date Analyzed
Mercury	(	0.0144	mg/Kg		4/8/2016 13:07
Method Referenc Preparation Date Data File:	• •				
<u>RCRA Metals (ICP)</u>					
<u>Analyte</u>		<u>Result</u>	<u>Units</u>	Qualifier	<b>Date Analyzed</b>
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	(	).770	mg/Kg		4/7/2016 17:04
Lead	(	0.650	mg/Kg		4/7/2016 17:04
Selenium	3	3.04	mg/Kg		4/7/2016 17:04
Silver	c	< 0.495	mg/Kg		4/7/2016 17:04
Method Referenc Preparation Date Data File:	EPA 3050B				
<u>PCBs</u>					
<u>Analyte</u>		<u>Result</u>	<u>Units</u>	Qualifier	<b>Date Analyzed</b>
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	1	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



Client:	<u>Gheen Environm</u>	ental				
Project Reference:	Marcellus 15S-03	1				
Sample Identifier:	41416H-09 Door	<sup>.</sup> Caulk				
Lab Sample ID:	161308-05		Dat	e Sampled:	4/4/2016	
Matrix:	Caulk		Dat	e Received:	4/6/2016	
Surrogate		Percent Recovery	<u>Limits</u>	<u>Outliers</u>	Date Anal	yzed
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	<b>ce(s):</b> EPA 8082A					
Preparation Dat	EPA 3550C e: 4/7/2016					



Client: <u>Ghe</u>	en Environmental			
Project Reference: Mar	cellus 15S-031			
Lab Sample ID: 16	416H-10 Door Glazing 1308-06 ulk	Compound	Date Sampled: Date Received:	4/4/2016 4/6/2016
Mercury				
Analyte	<u>Result</u>	<u>Units</u>	Qualifier	<b>Date Analyzed</b>
Mercury	< 0.00734	mg/Kg		4/8/2016 13:11
Method Reference(s): Preparation Date: Data File:	EPA 7471B 4/7/2016 Hg160408A			
<u>RCRA Metals (ICP)</u>				
Analyte	<u>Result</u>	<u>Units</u>	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): Preparation Date: Data File:	EPA 6010C EPA 3050B 4/6/2016 040816a			
<u>PCBs</u> <u>Analyte</u>	Result	<u>Units</u>	<u>Oualifier</u>	Date Analyzed
-	< 4.42		Quanner	-
PCB-1016 PCB-1221	< 4.42 < 4.42	mg/Kg mg/Kg		4/8/2016 04:01 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-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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#### Report Prepared Wednesday, April 13, 2016



Client:	<u>Gheen Environn</u>	<u>iental</u>				
Project Reference:	Marcellus 15S-03	1				
Sample Identifier:	41416H-10 Doo	r Glazing Compound				
Lab Sample ID:	161308-06		Dat	e Sampled:	4/4/2016	
Matrix:	Caulk		Dat	e Received:	4/6/2016	
Surrogate		Percent Recovery	<u>Limits</u>	<u>Outliers</u>	Date Anal	yzed
Decachlorobiphenyl		105	0.53 - 137		4/8/2016	04:01
Tetrachloro-m-xylene		90.1	0 - 138		4/8/2016	04:01
Method Reference	ce(s): EPA 8082A					
Preparation Date	EPA 3550C e: 4/7/2016					



Client:	<u>Gheen En</u>	<u>vironmental</u>			
Project Reference:	Marcellus	15S-031			
Sample Identifier: Lab Sample ID: Matrix:	41416H- 161308-0 Caulk		or Louver Caulk	Date Sampled: Date Received:	4/4/2016 4/6/2016
<u>Mercury</u>					
Analyte		<u>Result</u>	<u>Units</u>	Qualifier	<b>Date Analyzed</b>
Mercury		0.00964	mg/Kg		4/8/2016 13:14
Method Referenc Preparation Date Data File: DCDA Materia (ICD)	e: 4/2 Hg	A 7471B 7/2016 160408A			
<u>RCRA Metals (ICP)</u>					
<u>Analyte</u>		Result	<u>Units</u>	Qualifier	<b>Date Analyzed</b>
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 Referenc Preparation Date Data File:	EP. 4/6	A 6010C A 3050B 6/2016 0716b			
<u>PCBs</u>					
<u>Analyte</u>		<u>Result</u>	<u>Units</u>	<u>Qualifier</u>	<b>Date Analyzed</b>
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



Client:	<u>Gheen Envir</u>	<u>conmental</u>				
Project Reference:	Marcellus 15	S-031				
Sample Identifier:	41416H-13	Unit Ventilator Louver	Caulk			
Lab Sample ID:	161308-07		Date	e Sampled:	4/4/2016	
Matrix:	Caulk		Date	e Received:	4/6/2016	
Surrogate		Percent Recovery	Limits	<u>Outliers</u>	<b>Date Anal</b>	<u>yzed</u>
Decachlorobiphenyl		108	0.53 - 137		4/8/2016	04:25
Tetrachloro-m-xylene		96.6	0 - 138		4/8/2016	04:25
Method Reference	ce(s): EPA 80	082A				
Preparation Date	EPA 35 e: 4/7/20					



Client:	<u>Gheen Environmental</u>			
Project Reference:	Marcellus 15S-031			
Sample Identifier: Lab Sample ID: Matrix:	41416H-14 Window Gl 161308-08 Caulk	azing Compound	Date Sampled: Date Received:	4/4/2016 4/6/2016
<u>Mercury</u>				
Analyte	<u>Result</u>	<u>Units</u>	Qualifier	Date Analyzed
Mercury	1.35	mg/Kg		4/8/2016 13:27
Method Reference Preparation Date: Data File: DCDA Motals (ICD)	(s): EPA 7471B 4/7/2016 Hg160408A			
<u>RCRA Metals (ICP)</u> Analyte	Result	<u>Units</u>	Qualifier	Date Analyzed
Arsenic	0.618	mg/Kg	Quanner	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 Preparation Date: Data File:	EPA 3050B			
<u>PCBs</u>				
<u>Analyte</u>	<u>Result</u>	<u>Units</u>	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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#### Report Prepared Wednesday, April 13, 2016



Client:	<u>Gheen</u>	<u>Environm</u>	<u>ental</u>				
Project Reference:	Marcell	us 15S-032	1				
Sample Identifier:	41416	H-14 Wind	low Glazing Compo	und			
Lab Sample ID:	16130	8-08		Dat	e Sampled:	4/4/2016	
Matrix:	Caulk			Dat	e Received:	4/6/2016	
Surrogate			Percent Recovery	<u>Limits</u>	<u>Outliers</u>	Date Anal	yzed
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	ce(s):	EPA 8082A					
Preparation Date	e:	EPA 3550C 4/7/2016					



# **Analytical Report Appendix**

The reported results relate only to the samples as they have been received by the laboratory.

Each page of this document is part of a multipage report. This document may not be reproduced except in its entirety, without the prior consent of Paradigm Environmental Services, Inc.

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.

## 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 wi 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 th 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.
	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.

Arrental Ser	Immental Services       Culture       Immental Services       Culture       Immental Services       Culture       Immental Services       State         Rate       MA - Water       MVA - Water       MVA - Water       MV - Unming Water       MU - Unming Water	Please indicate package needed:	Rush 2 day		Standard 5 day X None Required	Turnaround Time Report Supplements Availability contingent upon lab approval: additional fees may apply	4/4/2016 15:42 X 41416H-14	4/4/2016 14:06 × 41416H-13	×	4/4/2016 13:55 X 41416H-09	4/4/2016 13:50 X 41416H-08	4/4/2016 13:38 X 41416H-04 Sill Caulk	4/4/2016 13:35 X 41416H-03	4/4/2016 13:30 X 41416H-02	DATE COLLECTED TIME P G COLLECTED S A F B F B		Matrix Codes: Marcellus 15S-031 NQ - Non- NQ - Non-	PROJECT REFERENCE	PHONE	Wh	ADDRESS:	PARADIGM CLIENT:
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	ZIP:       Quotation #:       MS 1020         Ermail:       stephen.gheen@gheen         C - Soid       SD - Soid       WP - Wipe         L - Sludge       PT - Pamt       CK - Cauk         Image:       Image:       Image:         Image:       Image:       I	(2 - 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 + 2 +	Date/Tim U/6/	- Alala	Date/T	WWW-	1 ×	1 ×	1 ×	1 X	1	1 X	1 X	1 X	ル π σ ο ດ	REQUESTED	<b>DW -</b> Urinking Water WW - Wastewater	ATTN:	PHONE:	CITY:		INVOICE

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14

Client: Lab Project ID:	6 heen Environmental 161308	Completed by:	Glenn Pezzulo
	Sample Condition H Per NELAC/ELAP 210/24	Date: Requirements 11/242/243/244	4/6/16
N. Condition	ELAC compliance with the sample cond Yes	lition requirements upo No	on receipt N/A
Container Type Comments			
Transferred to method- compliant container			
Headspace (<1 mL) Comments			
Preservation Comments			
- Chlorine Absent (<0.10 ppm per test strip) Comments			
- °emperature Comments		Hg Hg	
ufficient Sample Quantity Comments	1308-01,-07	lim vol	

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

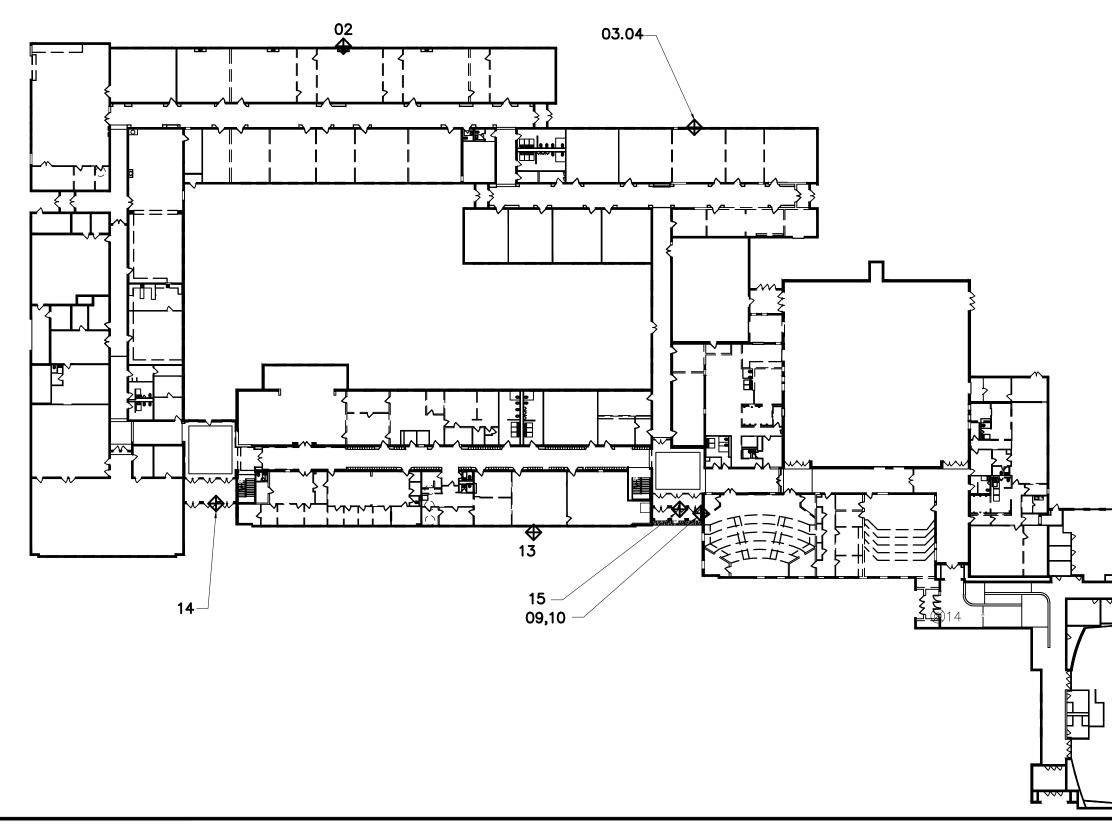
2 of 2

## Appendix C

Survey Drawings

# LEGEND

- Sample Locations Preceded by "82614H-"
- Sample Locations Preceded by "4416H-"
   XX Sample Number



DRAWING NUMBER:		JLY-1	
Project No.: 15S-031	Date: 4/19/2016	Drawn By: skg	Scale: NTS
Marcellus CSD	Marcollius Uizh School		FIRST F100F CAULK SAMPLE LOCATION F1AUS
	Gheen Environmental Services 11C		44 Greininge Koau N. Jingkorc NY 13492 Ph: 315.761.7800 Fax: 315.362.9583

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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**

Jandra L. Sheen δ

Sandra L Gheen Managing Member

## <u>Appendix A</u>

Asbestos Bulk Sample

**Results Summary** 

#### **Elementary School**

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 I		Smooth Plaster - Surface Coat	Toilet Room 51	1953	
51616E- 36	NAD	Smooth Plaster - Brown Coat	Toilet Room 51	1953	
		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	

 Table 1.1 - Asbestos Bulk Sample Results Summary

NOTE:

No Asbestos Detected

> 1% = 1% or less =

NAD =

Materials with more than 1% asbestos are considered to be ACM (Asbestos Containing Material) and are regulated under state and federal regulations Not considered to be a ACM (Asbestos Containing Material)

SAMPLE NUMBER	RESULTS	MATERIAL	LOCATION	VINTAGE	
5616M- 1	M- 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	

 Table 1.2 - Asbestos Bulk Sample Results Summary

NOTE:

No Asbestos Detected

> 1% =

NAD =

Materials with more than 1% asbestos are considered to be ACM (Asbestos Containing Material) and are regulated under state and federal regulations Not considered to be a ACM (Asbestos Containing Material)

1% or less =

#### Middle School

SAMPLE NUMBER	RESULTS	MATERIAL	LOCATION	VINTAGE
51616M- 41	NAD	Smooth Plaster - Brown Coat	Girls Room 140	1936
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				1

NOTE:

No Asbestos Detected

1% or less =

NAD =

> 1% =

Materials with more than 1% asbestos are considered to be ACM (Asbestos Containing Material) and are regulated under state and federal regulations Not considered to be a ACM (Asbestos Containing Material)

## <u>Appendix B</u>

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: <u>Gheen Environmental Services, LLC</u>

Job No: 4402-16 Page: 1 of 8

Location: Marcellus Main Heffernan Elementary School

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%

#### NVLAD

ELAP ID No.: 10958

KEY TO NOB COLUMN SYMBOLS

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

V NOB (non-friable organically bound)denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

V 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),

Lab Code 200530-0 for PLM Analysis

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

 Microscope:
 Olympus BH-2 #235757

 Analyst:
 B. Weinman

TEM Date Analyzed: N/A TEM Analyst: N/A

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.

4402-16 5/24/2016



#### Client: <u>Gheen Environmental Services, LLC</u>

Job No: 4402-16 Page: 2 of 8

Marcellus Main Heffernan Elementary School

Sample Date: 5/16/2016

Location:

Client ID	Lab ID		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%	8	Not Required	N/A	None Detected	100%

#### NVLAD

ELAP ID No.: 10958

Mary Dohr

KEY TO NOB COLUMN SYMBOLS

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

Lab Code 200530-0 for PLM Analysis

V NOB (non-friable organically bound)denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

V 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

 Microscope:
 Olympus BH-2 #235757

 Analyst:
 B. Weinman

TEM Date Analyzed: N/A TEM Analyst: N/A

Laboratory Results Approved By:

**Asbestos Operations Manager or Designee** 



#### Client: Gheen Environmental Services, LLC

Job No: 4402-16 Page: 3 of 8

Marcellus Main Heffernan Elementary School

Sample Date: 5/16/2016

Location:

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%

## NVLAP

ELAP ID No.: 10958

KEY TO NOB COLUMN SYMBOLS

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

V NOB (non-friable organically bound)denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

V 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.

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Lab Code 200530-0 for PLM Analysis

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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

Microscope:	Olympus BH-2 #235757
Analyst:	B. Weinman

TEM Date Analyzed: N/A TEM Analyst: N/A

Laboratory Results Approved By

**Asbestos Operations Manager or Designee** 

Mary Dohr



#### Client: Gheen Environmental Services, LLC

Job No: 4402-16

Location: Marcellus Main

Page: 4 of 8

Heffernan Elementary School

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%
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#### NVLAD

ELAP ID No.: 10958

Mary Dohr

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Lab Code 200530-0 for PLM Analysis

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#### PLM Date Analyzed: 5/23/2016

Microscope:	Olympus BH-2 #23575
Analyst:	B. Weinman

TEM Date Analyzed: N/A TEM Analyst: N/A

Laboratory Results Approved By:

#### **Asbestos Operations Manager or Designee**



#### Client: Gheen Environmental Services, LLC

Job No: 4402-16 Page: 5 of 8

Marcellus Main

Heffernan Elementary School

Sample Date: 5/16/2016

Location:

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%

#### NVLAD

ELAP ID No.: 10958

KEY TO NOB COLUMN SYMBOLS

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Olympus BH-2 #235757

B. Weinman

Lab Code 200530-0 for PLM Analysis

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PLM Date Analyzed: 5/23/2016

Microscope: Analyst:

TEM Date Analyzed: N/A TEM Analyst: N/A

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.

4402-16 5/24/2016

4402-16

Pg <u>1</u> of <u>3</u>



GES 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:	Marce	llus Main	BUILDING: He	ffernan Elementary School	
PROJECT #:	155-03	31	DATE: 5/:	16/2016	
SAMPLE NUMBER	HM	MATERIAL	SAMF	PLE 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	G	Sand Plaster - Surface Coat	Classroom 108	691	1964

# CHAIN OF CUSTODY

COLLECTED BY: Sandra Gheen	DATE:	5/19/2016	# OF SAMPLES:	15 This Page
RECEIVED BY: The	DATE:	5.20.16	# OF SAMPLES:	
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Second and and the	ANALYSIS
REFERENCE METHOD	METHOD DESCRIPTION
NYS ELAP	NOB & Ceiling Tile with Cellulose-198.6/198.4 (Confirmation Only); All Others - 198.1

TURNAROUND:	CONTACT:	FAX:	EMAIL:
5 Day	Sandra Gheen	315.362.9583	Sandra.Gheen@GheenEnv.com
	Stephen Gheen		Stephen.Gheen@GheenEng.com

4402-16

Pg 2 of 3



Gheen Environmental Services, LLC

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44 Glenridge Rd. Whitesboro, NY 13492

Phone: 315.520.4692 Fax: 315.362.9583

## SAMPLE CHAIN OF CUSTODY FORM

PROJECT NAME: PROJECT #:	Marce 15S-03	Ilus Main 31		effernan Elementary Schoo 16/2016	bl
SAMPLE NUMBER	HM	MATERIAL	SAM	PLE LOCATION	VINTAGE
51616E 16		Sand Plaster - Brown Coat	Classroom 108	35692	1964
51616E 17		Sand Plaster - Surface Coat	Teacher's Lounge		1964
51616E 18		Sand Plaster - Brown Coat	Teacher's Lounge		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	I	Sand Plaster - Surface Coat	Corridor 011	701	1953
51616E 26	1	Sand Plaster - Brown Coat	Corridor 011	702	1953
51616E 27	1	Sand Plaster - Surface Coat	Classroom 39	763	1953
51616E 28		Sand Plaster - Brown Coat	Classroom 39	704	1953
51616E 29		Sand Plaster - Surface Coat	Main Office 056	705	1953
51616E 30	9 T	Sand Plaster - Brown Coat	Main Office 056	706	1953

# **CHAIN OF CUSTODY**

COLLECTED BY:	Sandra Gheen	DATE:	5/19/2016	# OF SAMPLES:	15 This Page
RECEIVED BY:	ti	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

TURNAROUND:	CONTACT:	FAX:	EMAIL:
5 Day	Sandra Gheen	315.362.9583	Sandra.Gheen@GheenEnv.com
	Stephen Gheen		Stephen.Gheen@GheenEng.com

4402-16

Pg <u>3</u> of <u>3</u>

Ges 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:	Marce	llus Main	BUILDING:	Heffernan Elementary School				
PROJECT #:	155-03	31	DATE:	5/16/2016				
SAMPLE NUMBER	НМ	MATERIAL		SAMPLE LOCATION				
51616E 31		Smooth Plaster - Surface Coat	Janitor's Clos	set 35707	1953			
51616E 32		Smooth Plaster - Brown Coat	Janitor's Clos		1953			
51616E 33		Sand Plaster - Surface Coat	Classroom 4		1953			
51616E 34 Sand Plaster - Brown		Sand Plaster - Brown Coat	Classroom 4	4 710	1953			
51616E 35	51616E 35 Smooth Plaster - Su		Toilet Room	1953				
51616E 36	51616E 36 Smooth Plaster - E		Toilet Room	Toilet Room 51         7//           Toilet Room 51         7/2				
51616E 37		Sand Plaster - Surface Coat	Classroom 50	713	1953			
51616E 38	100	Sand Plaster - Brown Coat	Classroom 50		1953			
51616E 39		Sand Plaster - Surface Coat						
51616E 40		Sand Plaster - Brown Coat	Classroom 2	1 716	1953			
	1 t	CHAIN OF	CUSTODY					
OLLECTED BY:	BL	Sandra-Gheen DATE:	5/19/2016	# OF SAMPLES: 10 Thi	s Page			

#### ANALYSIS

5.20.16

# OF SAMPLES:

DATE:

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RECEIVED BY

REFERENCE METHOD	METHOD DESCRIPTION
NYS ELAP	NOB & Ceiling Tile with Cellulose-198.6/198.4 (Confirmation Only); All Others - 198.1

TURNAROUND:	CONTACT:	FAX:	EMAIL:
5 Day	Sandra Gheen	315.362.9583	Sandra. Gheen @ Gheen Env. com
	Stephen Gheen		Stephen.Gheen@GheenEng.com



Client: Location: **Gheen Environmental Services, Inc.** 

Job No: 4403-16 Page: 1 of 9

Middle School

Sample Date: 5/16/2016

Marcellus Main

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%

#### NVLAD

ELAP ID No.: 10958

Mary Dolf

KEY TO NOB COLUMN SYMBOLS

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Lab Code 200530-0 for PLM Analysis

X denotes sample prepped only by ELAP Method 198.6.

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PLM Date Analyzed: 5/25/2016

Microscope: Analyst:	Olympus BH-2 #232953
Analyst:	T. Bush

TEM Date Analyzed: N/A TEM Analyst: N/A

Laboratory Results Approved By:

**Asbestos Operations Manager or Designee** 



 Client:
 Gheen Environmental Services. Inc.

 Location:
 Marcellus Main

 Middle School

Job No: 4403-16 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%
		-								
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#### NVLAD

ELAP ID No.: 10958

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PLM Date Analyzed: 5/25/2016

Microscope: Olympus BH-2 #232953 Analyst: *T. Bush*  TEM Date Analyzed: N/A TEM Analyst: N/A

Mary Dohr

Laboratory Results Approved By:

Asbestos Operations Manager or Designee



Client: **Gheen Environmental Services, Inc.** Marcellus Main

Middle School

Job No: 4403-16 Page: 3 of 9

Location:

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%

#### NVLO

Analyst:

#### ELAP ID No.: 10958

Mary Dobr

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X denotes sample prepped only by ELAP Method 198.6.

T. Bush

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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 Microscope: Olympus BH-2 #232953 TEM Date Analyzed: N/A TEM Analyst: N/A

Laboratory Results Approved By:

Asbestos Operations Manager or Designee

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.

4403-16 5/25/2016



 Client:
 Gheen Environmental Services, Inc.

 Location:
 Marcellus Main

 Middle School
 Middle School

Job No: 4403-16 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%
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## NVLAD

ELAP ID No.: 10958

Mary Dohr

KEY TO NOB COLUMN SYMBOLS

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

Lab Code 200530-0 for PLM Analysis

V NOB (non-friable organically bound)denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

V 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 TEM Analyst: N/A

Microscope: Olympus BH-2 #232953 Analyst: T. Bush

Laboratory Results Approved By:

Asbestos Operations Manager or Designee



Client: <u>Gheen Environmental Services, Inc.</u>

Marcellus Main

Job No: 4403-16 Page: 5 of 9

Middle School

Location:

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%	1	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%

#### NVLAD

#### ELAP ID No.: 10958

Mary Dohr

KEY TO NOB COLUMN SYMBOLS

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

Lab Code 200530-0 for PLM Analysis

m V NOB (non-friable organically bound)denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

ϔ 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 TEM Analyst: N/A

Microscope: Olympus BH-2 #232953 Analyst: *T. Bush* 

Laboratory Results Approved By:

Asbestos Operations Manager or Designee

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.

4403-16 5/25/2016



Client: **Gheen Environmental Services, Inc.** Location: Marcellus Main

Job No: 4403-16 Page: 6 of 9

Middle School 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%
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#### NVLAL

ELAP ID No.: 10958

Mary Dohr

KEY TO NOB COLUMN SYMBOLS

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

V 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).

Lab Code 200530-0 for PLM Analysis

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

Microscope: Olympus BH-2 #232953 Analyst: T. Bush

TEM Date Analyzed: N/A TEM Analyst: N/A

Laboratory Results Approved By: Asbestos Operations Manager or Designee

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4403-16 5/25/2016

4403-16 Pg <u>1</u> of <u>3</u>



Gheen Environmental Services, LLC

, pl

44 Glenridge Rd. Whitesboro, NY 13492 Phone: 315.520-4692 Fax: 315.362.9583

## SAMPLE CHAIN OF CUSTODY FORM

PROJECT NAME: Marcellus Main		llus Main	BUILDING: Middle School		
PROJECT #:	155-03	31	DATE: 5/16/2016		
SAMPLE NUMBER	HM	MATERIAL	SAMPLE LOCATION	N	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	1	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	1	Sand Plaster - Brown Coat	Closet Room 247	727	1936
51616M- 12		Smooth Plaster - Surface Coat	Girls Room 240	728	1936
51616M- 13	1	Smooth Plaster - Brown Coat	Girls Room 240	729	1936
51616M- 14		Smooth Plaster - Surface Coat	Toilet Room Classroom 236	730	1936
51616M- 15	1	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:	-fil	DATE:	5.20.16	# OF SAMPLES:	

#### ANALYSIS

NYS ELAP	NOB & Ceiling Tile with Cellulose-198.6/198.4 (Confirmation Only); All Others - 198.1
REFERENCE METHOD	METHOD DESCRIPTION

TURNAROUND:	CONTACT:	FAX:	EMAIL:
5 Day	Sandra Gheen	315.362.9583	Sandra.Gheen@GheenEnv.com
	Stephen Gheen		Stephen.Gheen@GheenEng.com

4403-16

Pg 2 of 3



Gheen Environmental Services, LI

44 Glenridge Rd. Whitesboro, NY 13492

Phone: 315.520.4692 Fax: 315.362.9583

# SAMPLE CHAIN OF CUSTODY FORM

PROJECT NAME: Marcellus Main		llus Main	BUILDING: Middle School		
PROJECT #:	155-03	31	DATE: 5/16/2016		
SAMPLE NUMBER	HM	MATERIAL	SAMPLE LOCATION	VINTAGE	
51616M- 16		Sand Plaster - Surface Coat	Closet Classroom 236 357	132 1936	
51616M- 17		Sand Plaster - Brown Coat	Clocat Classroom 226	33 1936	
51616M- 18		Sand Plaster - Surface Coat	Office 220	34 1936	
51616M- 19		Sand Plaster - Brown Coat	000 200	35 1936	
51616M- 20		Smooth Plaster - Surface Coat	B	36 1936	
51616M- 21		Smooth Plaster - Brown Coat	Bour Doom 225	137 1936	
51616M- 22		Sand Plaster - Surface Coat	010 245	38 1936	
51616M- 23	-	Sand Plaster - Brown Coat	Office 21F	139 1936	
51616M- 24		Smooth Plaster - Surface Coat	Library A. Hur A	140 1936	
51616M- 25		Smooth Plaster - Brown Coat	Upper Auditorium -	14  1936	
51616M- 26		Sand Plaster - Surface Coat	Chalman to Unany Aulting	742 1936	
51616M- 27		Sand Plaster - Brown Coat	Chaimman ha lla ann Ar ltruit	143 1936	
51616M- 28		Smooth Plaster - Surface Coat	Davis Daam 1004	744 1958	
51616M- 29		Smooth Plaster - Brown Coat	Bows Boom 1004	745 1958	
51616M- 30		Sand Plaster - Surface Coat	Elevator Entry	746 1958	

# CHAIN OF CUSTODY

	1PS	CHAIN O	F CUSTODY		110
COLLECTED BY:	Sandra Gheen	DATE:	5/19/2016	# OF SAMPLES:	15 This Page
RECEIVED BY:	the	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

TURNAROUND:	CONTACT:	FAX:	EMAIL:
5 Day	Sandra Gheen	315.362.9583	Sandra.Gheen@GheenEnv.com
	Stephen Gheen		Stephen.Gheen@GheenEng.com

4403-16

Pg <u>3</u> of <u>3</u>

GES Gheen Environmental Services, LLC

44 Glenridge Rd. Whitesboro, NY 13492 Phone: 315.520.4692 Fax: 315.362.9583

# SAMPLE CHAIN OF CUSTODY FORM

ROJECT #:	15S-03	31	DATE:	5/16/2016		
SAMPLE NUMBER	HM	MATERIAL	S.	AMPLE LOCATION		VINTAGE
51616M- 31		Sand Plaster - Brown Coat	Elevator Entr	y 35	747	1958
51616M- 32		Smooth Plaster - Layered	Elevator Entr		148AB	1958
51616M- 33		Sand Plaster - Layered	Faculty Room	00	749 AP	1958
51616M- 34	1.	Fireproofing	Corridor 1554	A	150	1958
51616M- 35		Fireproofing	Corridor 1554		751	1958
51616M- 36		Sand Plaster - Surface Coat	Corridor 155A	4 7	152	1936
51616M- 37	1	Sand Plaster - Brown Coat	Corridor 155A	4	153	1936
51616M- 38	i Es	Sand Plaster - Surface Coat	Corridor C103		154	1936
51616M- 39	1.0	Sand Plaster - Brown Coat	Corridor C103		755	1936
51616M- 40		Smooth Plaster - Surface Coat	Girls Room 14		156	1936
51616M- 41		Smooth Plaster - Brown Coat	Girls Room 14	10 -	757	1936
٥						

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

ation Only); All Others - 198.1

TURNAROUND:	CONTACT:	FAX:	EMAIL:
5 Day	Sandra Gheen	315.362.9583	Sandra.Gheen@GheenEnv.com
	Stephen Gheen		Stephen.Gheen@GheenEng.com

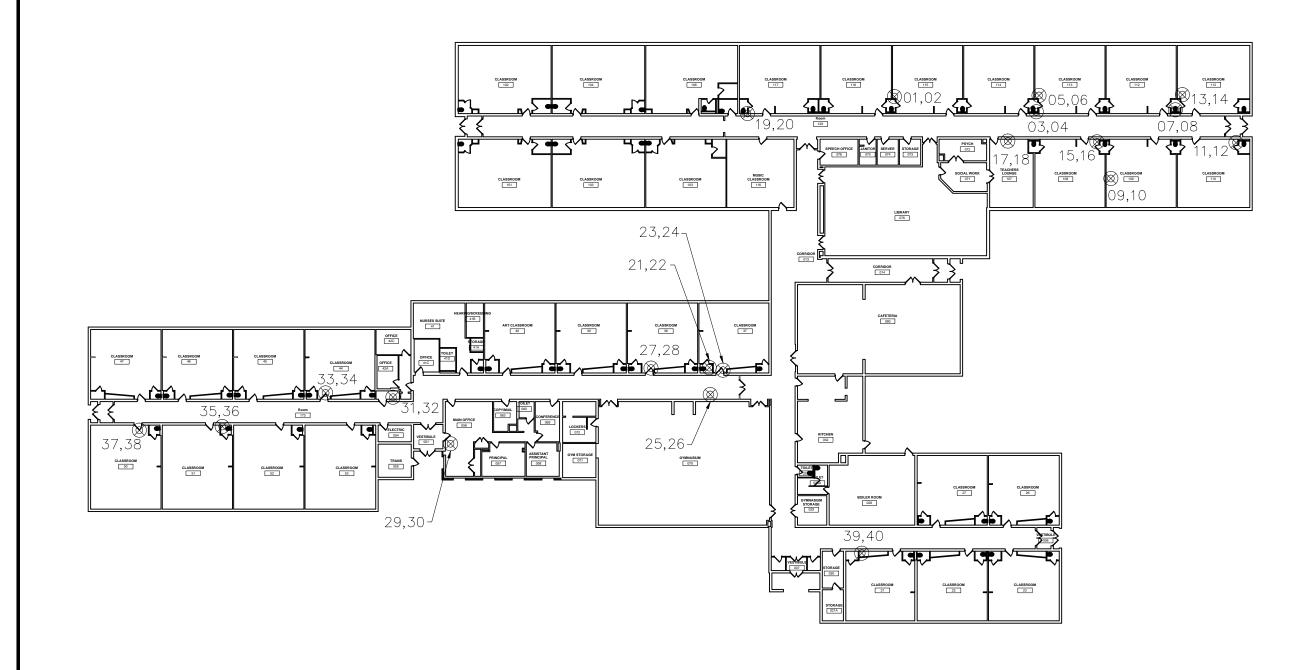
# <u>Appendix C</u>

Sample Location

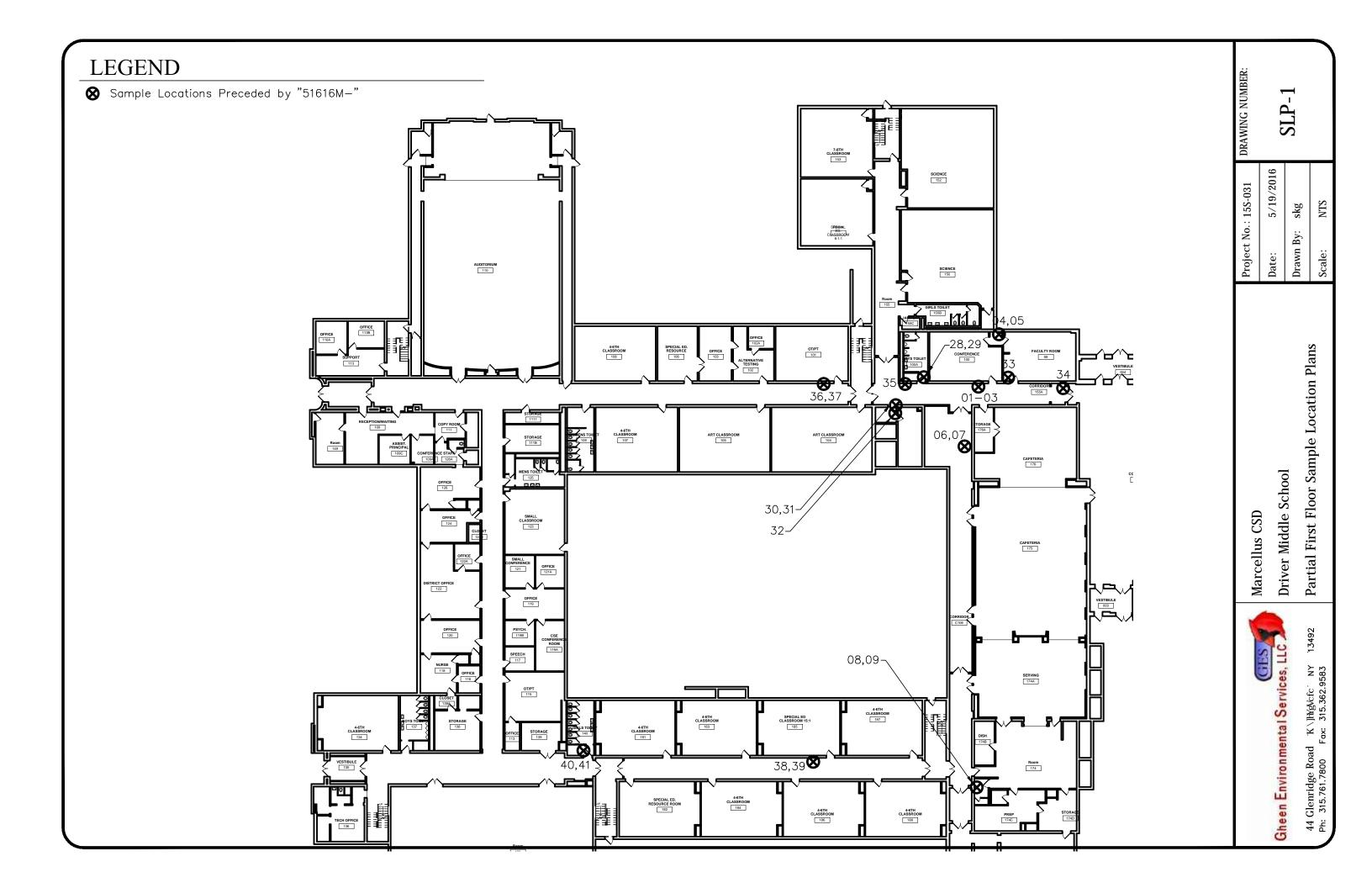
Drawings

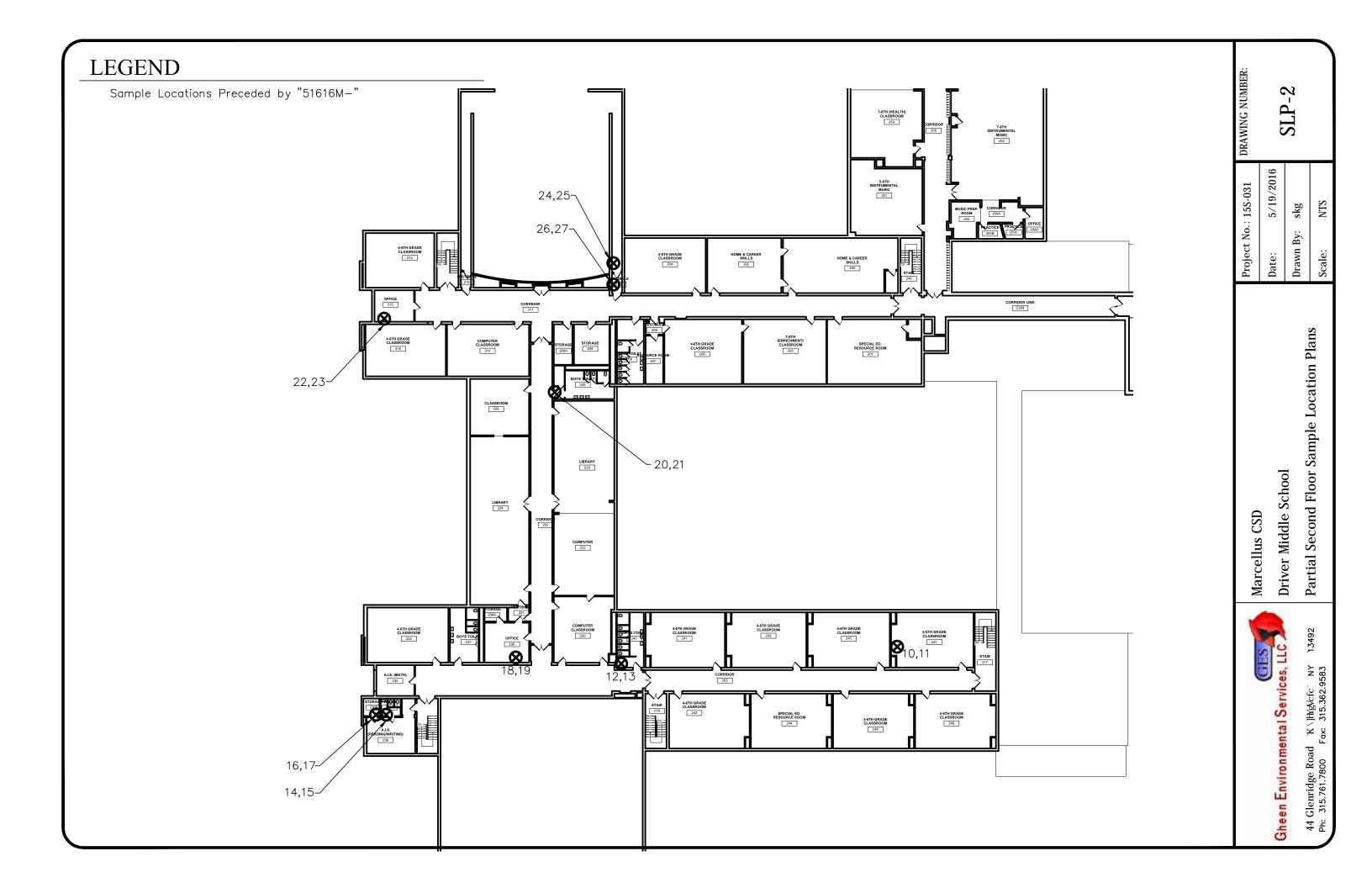
# LEGEND

- $\otimes$  Sample Locations Preceded by "51616E-"
- XX Sample Number



	Marcellins ('SD	Project No.: 15S-031	DRAWING NUMBER:
tean Environmental Services 110	Marcollus Flomontany School	Date: 4/19/2016	
		Drawn By: skg	SLY-1
44 GJENTIAGE KOAA K JINGVCTC NY 13492 Ph: 315.761.7800 Fax: 315.362.9583	FIRST F100T Sample Location Flans	Scale: NTS	





# <u>Appendix D</u>

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:

M

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.

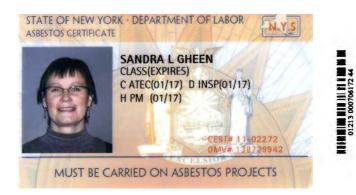
This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

SH 432 (8/12)

Eileen M. Franko, Director For the Commissioner of Labor



# New York State Department of Labor Asbestos Certificate



# 

- eyes haz Hair Bro Hgt 5' 05"
- IF FOUND RETURN TO: NYSDOL - LEC UNIT ROOM 161A BUILDING 12 STATE OFFICE CAMPUS ALBANY NY 12240

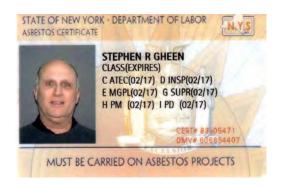
Classification Legend:

- A Asbestos Handler
- B Restricted Allied Trades
- C Air Sampling Tech
- D Inspector
- E Management Planner

- F Operations & Maintenance
- G Supervisor
- H Project Monitor
- I Project Designer



# New York State Department of Labor Asbestos Certificate



EYES BLU HAIR BRO BGT 6' 02" IF FOUND RETURN TO: NYSDOL - L&C UNIT ROOM 161A BUILDING 12 STATE OFFICE CAMPUS ALBANY NY 12240

Classification Legend:

- A Asbestos Handler
- B Restricted Allied Trades
- C Air Sampling Tech
- D Inspector
- E Management Planner

- F Operations & Maintenance
- G Supervisor
- H Project Monitor
- I Project Designer

#### 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

**Sample Preparation Methods** 

Asbestos in Non-Friable Material-PLM Asbestos in Non-Friable Material-TEM Lead in Dust Wipes Lead in Paint Item 198.1 of Manual EPA 600/M4/82/020 Item 198.6 of Manual (NOB by PLM) Item 198.4 of Manual EPA 6010C EPA 6010C

EPA 3050B

#### 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

NVLAP Code **Designation / Description** 

EPA 600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation 18/A01 Samples

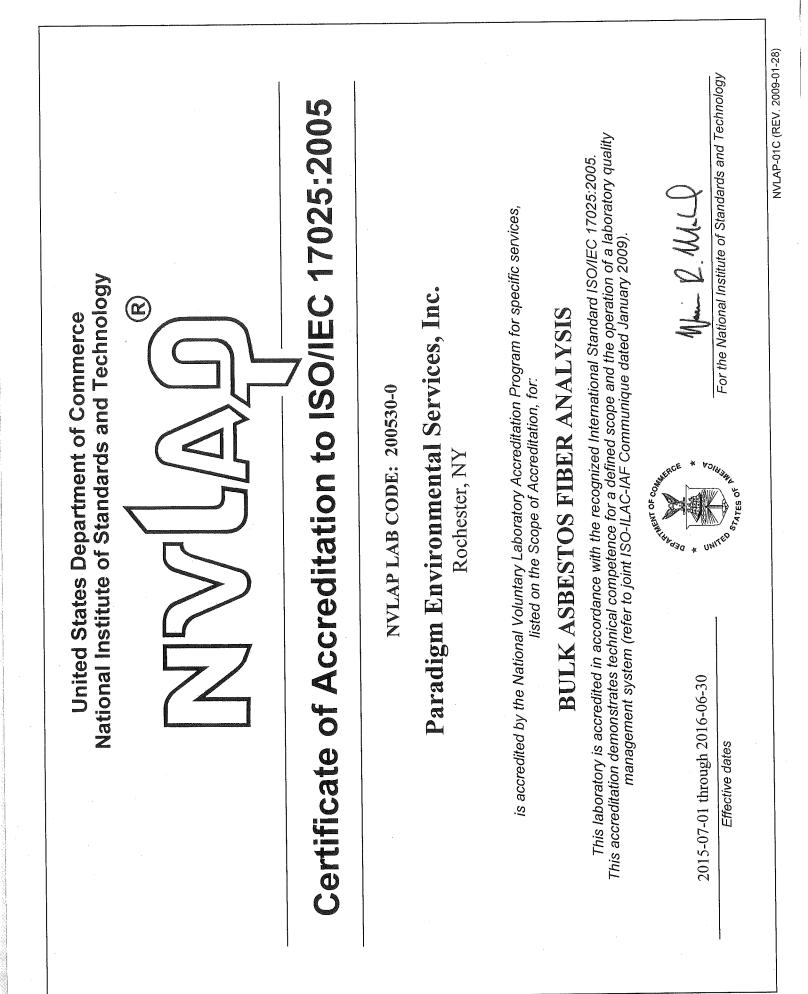
18/A03 EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

2015-07-01 through 2016-06-30

Effective dates

0 ML

For the National Institute of Standards and Technology



# VIAD<sup>®</sup> 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

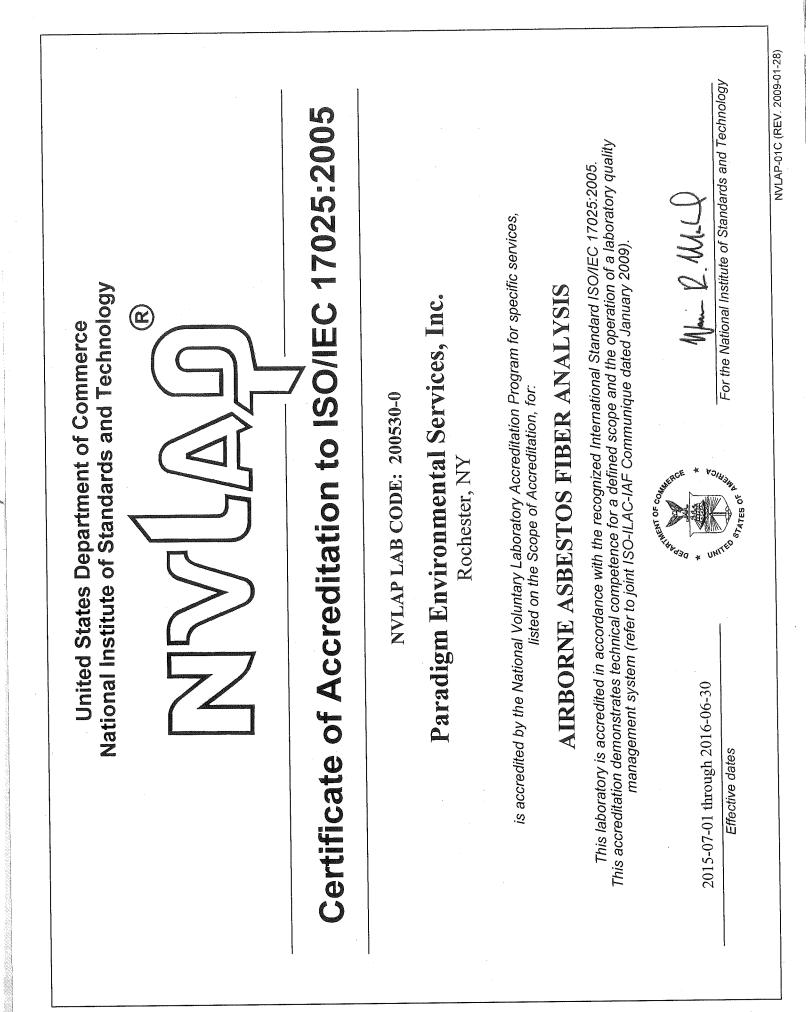
U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.

P MM

For the National Institute of Standards and Technology

2015-07-01 through 2016-06-30

Effective dates



#### 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 APX A No. 11 NIOSH 7402 NIOSH 7400 A RULES

Fibers

#### 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.