THE DEKALB COUNTY BOARD OF EDUCATION
CONSTRUCTION CONTRACT CHANGE ORDER
Osprey Management

Project Name:	E.L. Miller ES – Facility Improvements
Project No.:	**354-423**
Change Order No.:	**01**
Date:	March 8, 2023

Contractor:	Centennial Contractors Enterprises 3200 Cobb Galleria Parkway Suite 210 Atlanta, Ga 30339 Phone: 770-613-2999 (the "Contractor")

Project Description: Facility Conditions Improvements

Reason for Change: Owner Requested Items and Material Escalations

The Contract for the above-referenced Project is hereby amended to provide for the following described change(s) upon the terms set forth below:
Scope of Work (for this change):

1. Flooring Material Price Increase = $3,654.51
2. Intercom Material Price Increase = $43,669.80
3. Ductless Split System Credit = ($20,544.58)
4. WSHPs Ionization = $45,917.46
6. Fire Alarm System Material Price Increase = $10,780.01
7. Furnish and install sinks = $18,728.16
8. Provide all labor and material to assist with summer school cleaning = $37,108.43
9. Owner requested building automation upgrades = $68,393.31
10. HAZMAT Removal = $38,512.05
11. Water Cooler Credit = ($15,423.19)
12. Electrical Outlets K thru 2nd = $6,228.89
13. Eyewash for Rooms 119 and 120 = $2,266.57

Total Cost = $240,291.42

Contract Amount:	Original Contract Price:	$6,997,200.00
	Previous Change Orders (Nos.):	$ 0.00
	Current Contract Price (with Change(s)):	$6,997,200.00
	Amount of this Change Order:	$ 240,291.42
	Revised Contract Price:	$7,237,491.42

Contract Time:	Original Substantial Completion Date:	7/31/2024
	Increase/(Decrease) in calendar days by previous Change Order(s):	0
	Increase/(Decrease) in calendar days by this Change Order:	0
	Revised Substantial Completion Date:	7/31/2024

Attachments (Incorporated by Reference):

CLAIM IDENTIFICATION OR WAIVER
The Contractor has no claims arising out of or related to the Project for any (i) costs, expenses, profit, overhead, direct damages, consequential damages or increase in the Contract Price or (ii) delay or impact to the Contractor or the Project except as identified as follows:

and any and all claims that are not identified hereinabove by the Contractor are hereby waived by the Contractor.

As changed hereinabove, the Contract for the above-referenced Project shall continue in full force and effect.

Agreed to by the Contractor:

Tyler Shelton
Operations Manager

Jonathan Brown
Sr Program General Manager

03/08/2023
Date

Recommended for Acceptance by Architect:

Melissa Cantrell
President

03/13/2023
Date

Recommended for Acceptance by Program Manager & Owner:

Mel Butler
Program Director

7/5/23
Date

Richard Boyd
Director, Design and Construction

Date

Erick Hofstetter
Chief Operating Officer

Date

Approved by The DeKalb County Board of Education:

Dr. Devon Q. Horton
Superintendent

Date

Mr. Diijon B. DaCosta Sr.
Board Chair

Date

Board of Education Approval: **Date:** N/A **Item No.:** N/A
Not Required Under $100,000)

E.L. Miller ES
Change Order No. #1 - Breakdown

PCO #	Description	Owner Request	Unforeseen Condition	Errors/Omissions
1	Material Price Increase - Flooring		$3,654.51	
2	Material Price Increase - Intercom		$43,669.80	
3	HVAC mini split system credit			-$20,544.58
4	HVAC Water Source Heat Pump Ionization			$45,917.46
6	Material Price Increase - Fire Alarm		$10,780.01	
7	Furnish and install new sinks			$18,728.16
8	Assist with School Summer Cleaning	$37,108.43		
9	HVAC Controls Upgrades	$68,393.31		
10	HAZMAT Removal	$39,512.05		
11	Water Cooler Credit			-$15,423.19
12	Electrical Outlets - K thru 2nd		$6,228.89	
13	Eyewash rooms 119 and 120			$2,266.57
		$145,013.79	$64,333.21	$30,944.42

Totals $240,291.42

POTENTIAL CHANGE ORDER (PCO) REQUEST

School Name:	E.L. Miller ES	Date:	March 3, 2023
Project Name:	GC Services for EL Miller MSBR	Project Number:	354-35
Title:	Flooring Material Price Increases	PCO #:	001

Description of Work:

Per Appendix C of RFP 22-752-023, a Notice to Proceed for this project was to occur on October 7, 2022. The date of the Notice to Proceed issuance occurred on December 20, 2022. Material escalation for flooring during this period and our inability to have approved submittals prior to the manufacturer's price increases requires additional compensation for the increased costs of these materials.

A. Subcontractor Cost of the Work

AAA Commercial Floor, Inc.	$	3,466.56
	$	-
	$	-
	$	-
	$	-
	$	-

Subtotal A: $ 3,466.56

B. CONTRACTOR Fee: (As per Section 11.7.1.2) - 5% subcontractor work

Subtotal B: $ 173.33

C. CONTRACTOR Cost of the Work:

Payroll Costs (See attached supporting documentation.)	$	-
Materials and Equipment (See attached suporting documentation.)	$	-
Consultant Costs (See attached suporting documentation.)	$	-
Self-Performed Costs (See attached suporting documentation.)		

Subtotal C: $ -

D. P&P Bond - 0.4% of Total Subs Cost of Change

Subtotal D: $ 14.62

E. CONTRACTOR Fee: - 10% self performed

Subtotal E: $ -

Total = (A + B + C + D + E) **Total:** $ 3,654.51

☐ **The proposal would** ☐ Increase ☐ Decrease **the Milestones and/or Contract Time by** ____ **calendar days.**

☑ **The proposal does NOT affect the Milestones and/or Contract Time.**

Contractor Signature	Title	Date
	Operation Manager	March 3, 2023

AAA Commercial Floor, Inc.

512 Moreno Street ~ Gainesville, GA 30501
770-535-6671 phone ~ 770-534-8299 fax

Change Order Work Up

Job: E.L. Miller Elementary School
G.C.: Centennial Contractors Enterprises, Inc.
Att: Tyler Shelton

Date: 10/28/2022
By: Thomas Winfrey
Description: VCT price increase

Sec#	Manufacturer	Description	Quant.	Unit	Unit Price	Total Cost
	Armstrong	Standard Excelon- Bid quote	-315	cartons	33.15	-$10,442.25
						$0.00
	Armstrong	Standard Excelon- price increase	315	cartons	39.50	$12,442.50
						$0.00
		additional freight per carton	315	cartons	3.00	$945.00
						$0.00
						$0.00
						$0.00
				Sub Total		$2,945.25
				Taxes		$206.17
				Freight		$0.00
				Total Materials		$3,151.42

Labor		Quant.	Units	Unit $	Total Price
					$0.00
					$0.00
					$0.00
					$0.00
					$0.00
					$0.00
					$0.00
					$0.00
				Total Labor	$0.00

Total Material/Labor	$3,151.42
~~23%~~ OH%P	~~$737.43~~
Total Cost	~~$3,889~~

10% OH&P	$ 315.14
Total Cost	$3,466.56

POTENTIAL CHANGE ORDER (PCO) REQUEST

School Name:	E.L. Miller ES	Date:	March 3, 2023
Project Name:	GC Services for EL Miller MSBR	Project Number:	354-35
Title:	Intercom - Material Price Increase	PCO #:	001

Description of Work:

Per Appendix C of RFP 22-752-023, a Notice to Proceed for this project was to occur on October 7, 2022. The date of the Notice to Proceed issuance occurred on December 20, 2022. Material escalation for the intercom system during this period and our inability to have approved submittals prior to the manufacturer's price increases requires additional compensation for the increased costs of these materials.

A. Subcontractor Cost of the Work

Electrical Contractor Incorporated	$	41,423.92	
	$	-	
	$	-	
	$	-	
	$	-	
	$	-	**Subtotal A:** $ 41,423.92

B. CONTRACTOR Fee: (As per Section 11.7.1.2) - 5% subcontractor work

Subtotal B: $ 2,071.20

C. CONTRACTOR Cost of the Work:

Payroll Costs (See attached supporting documentation.)	$	-	
Materials and Equipment (See attached suporting documentation.)	$	-	
Consultant Costs (See attached suporting documentation.)	$	-	
Self-Performed Costs (See attached suporting documentation.)			**Subtotal C:** $ -

D. P&P Bond - 0.4% of Total Subs Cost of Change

Subtotal D: $ 174.68

E. CONTRACTOR Fee: - 10% self performed

Subtotal E: $ -

Total = (A + B + C + D + E) **Total:** $ 43,669.80

☐ **The proposal would** ☐ Increase ☐ Decrease **the Milestones and/or Contract Time by** ____ **calendar days.**

☑ **The proposal does NOT affect the Milestones and/or Contract Time.**

Contractor Signature	Title	Date
	Operation Manager	March 3, 2023

Electrical Contractor Incorporated
8141-D Technology Drive, Covington, GA 30014
Office: 770-788-8082 ~ Fax: 770-788-9738

CHANGE ORDER PROPOSAL

To:
Centennial
3200 Cobb Galleria Parkway
Atlanta, Ga Suite 210 30339

JOB #: 2214
C.O. PROPOSAL #: 2214-02
DATE: 1/26/2023
JOB: EL Miller Major

PAGE#: 1 OF 1
COST TOTAL: $ 41,424.00

ACCEPTED: [ ] REJECTED: [ ]
COMPLETED: [ ] % BILLED: [ ]

DESCRIPTION:
This proposal includes the cost increase of SWC's pricing compared to their original quote from bid day (July 2022).

MATERIAL

Qty	Description	Unit Price	Per	Extension
			E	$0.00
			E	$0.00
			E	$0.00
			E	$0.00
	SWC quote down below		E	$0.00
			E	$0.00
			E	$0.00
			E	$0.00
			E	$0.00
			E	$0.00
			E	$0.00
			E	$0.00
			E	$0.00
			E	$0.00
			E	$0.00
		Sutotal Material:		$0.00
		Sales Tax:	0.00%	$0.00
		Material Total:		$0.00
		Total Labor		$0.00
		Bond Accrue:		$0.00
		Administrative:		$100.00
		Subtotal:		$100.00
		Profit:	0%	$0.00
		Subtotal:		$100.00
		Subcontractors:		$37,567.20
		Subcontractor's Profit:		$3,756.72
		GRAND TOTAL:		**$41,423.92**

Labor Rate: $60.00

NOTE: Quote good for 30 days.

Pricing Summary

ACCOUNT	FACILITY LOCATION
ELDRIDGE MILLER ELEM SCHOOL	ELDRIDGE MILLER ELEM SCHOOL
919 MARTIN RD	919 MARTIN RD
STONE MTN,GA 30088	STONE MTN,GA 30088

OFFER: In accordance with the Scope of Work, Bill of Materials, and Terms and Conditions attached hereto, SWC is pleased to offer this pricing for the following project:

TITLE: REF #: 50674_9

ESTIMATE GROUP	TOTAL PRICE
27 0100 Cafe Sound	$28198.82
27 0100 Gym Sound	$13619.77
27 0100 Intercom	$221344.28
27 0100 Sapling Clocks	$21419.50

ACCOUNT EXECUTIVE:

SUB-TOTAL	$284,582.37	
TAX:	$14,547.26	@8.00%
TOTAL	**$299,129.6**	

TERMS:

Per my authority as an executing agent, please accept this as an intent to award and enter into a contractual agreement with SWC.

NAME

CLIENT'S SIGNATURE

Pricing Summary

ACCOUNT	FACILITY LOCATION
ELDRIDGE MILLER ELEM SCHOOL	ELDRIDGE MILLER ELEM SCHOOL
919 MARTIN RD	919 MARTIN RD
STONE MTN,GA 30088	STONE MTN,GA 30088

OFFER: In accordance with the Scope of Work, Bill of Materials, and Terms and Conditions attached hereto, SWC is pleased to offer this pricing for the following project:

TITLE:

REF #: 50674_5

ESTIMATE GROUP	TOTAL PRICE
27 0100 IECN	

ACCOUNT EXECUTIVE:

TERMS:

SUB-TOTAL	$247,462.95	
TAX:	$14,099.48	@8.00%
TOTAL	**$261,562.4**	

Per my authority as an executing agent, please accept this as an intent to award and enter into a contractual agreement with SWC.

NAME

CLIENT'S SIGNATURE

South Education
678-360-928

Scope & Bill of Materials

SWC IS PLEASED TO PRESENT A QUOTE FOR THE EL Miller Systems Replacement PROJECT.

SWC is please to offer this quote for the following systems based on bid documents:
- Intercom, Gym Sound, Cafe Sound and Clocks

Architect/Engineer: _CDH Architecture_ Project: #354-423

Specification(s) dated: _02-07-2022_
- Spec section 27 0100 – IECN

Drawings dated: _01-17-2022_
- E500-E503

Addenda, clarification(s), Add/Alternates, etc included:
- Addenda 1-7

Unsolicited additions/alternates included:
- Tow phases as per Addendum 7.

Deviations or exclusions from the specification as written:
- NA.

Notable deviations from the drawings:
- Bus call box on E502 at front door is to have power installed inside.

Additional notes or scope:
- Any conduit, sleeves, boring and coring is to be completed by electrical contractor.
- No afterhours or holiday labor included in this quote.
-

South Education
678-360-928

Terms & Conditions

Scope includes:

1 Submittals for review and approval, if required.

2 SWC Construction documents from approved Submittals for strict use by others for providing a complete conduit-raceway system and all conjunctive efforts.

3 Furnishing ONLY; special housings and special back boxes for installation by others.

4 Furnishing and installing wire and cable for systems listed.

5 Furnishing, installing and termination of field devices.

6 Furnishing, installing and termination of head-end equipment in Equipment Rooms and Control areas.

7 Functional testing of systems per SWC standards. Testing documents available upon request.

8 Operation and maintenance documents in electronic format ONLY, per the standards of SWC.

9 Project Management services in coordination with SWC scope of work.

10 Site Supervision during the installation of SWC scope of work ONLY.

11 As required; site conditions verification for SWC Scope of work ONLY.

13 Consideration of prevailing wage requirements if and as applicable.

14 Removal of only those existing system/devices and cable rendered obsolete by this project.

15 Training and Go-Live support as defined in the bid documents, and will be on consecutive days Mon-Fri 8am-4pm. Customer conducted end-user training must be completed prior to Go-Live

Scope Excludes:

1 Service and circuit power requirements including final connections to any and all of our electronic equipment.

2 A complete and independent conduit/raceway for system per the NEC and installed in the most direct and efficient manner and method including all necessary conduit, back boxes, pull/junction boxes, wire ways, ‘J’ hooks, racks, pull strings etc. all being properly identified and color coded.

3 Any and all standard electrical boxes and conduit stubs to above accessible ceiling.

4 Any and all demolition work.

5 Any and all site work including trenching if and as applicable.

6 Lead lined or similar back boxes unless specifically noted.

7 Control work and/or annunciation except as noted in this scope of work.

8 Finish Painting (except for those products furnished from the factory by SWC with finish paint).

9 Patching of concrete, tile, drywall or masonry.

10 Final Cleaning or composite clean up crew.

11 Core drilling and sleeves including any X-ray services needed.

12 Furnishing and installing hardware for doors.

13 Caulking and sealants.

14 Any and all fire safing materials for penetrations, etc. This includes but is not limited to; sealants, caulking, fabric materials, etc.

15 Trash debris container and its removal.

16 Proper and sufficient temporary power and lighting for our installation efforts including power for final testing of equipment.

17 Any and all interfacing to other equipment unless specifically noted. This includes lighting control relays.

18 Server(s) and workstation(s) hardware and Microsoft operating system.

19 This proposal excludes any and all unforeseen conditions.

Terms and Conditions:

1 Quote is based on the issuance of a ConsensusDoc Contract, Subcontract, or acceptable purchase order having this scope letter attached. In the absence of a subcontract, an authorized signature and return of this Quote will be accepted and will constitute a contractual agreement between the parties and will be conditional on the Terms and Conditions of the ConsensusDoc and this scope letter and proposal.

2 Quote is based on SWC being furnished appropriate CAD files at the point of contract or notice to proceed. Delays in furnishing CAD files will delay the project. Lack of appropriate CAD files will be cause for a change order at $250 per sheet.

3 Normal timeframe is up to 8-12 weeks from receipt of contract or acceptable notice to proceed for SWC submittals, if required. Timeframe dependent on project size, conditions and the agreed upon schedule.

4 Allow 2-8 weeks from receipt of approved submittals for SWC to commence work on site.

5 Quote is based on SWC being furnished an accurate set of conduit as-built drawings four (4) weeks prior to start of wire and cable pulling and or installation. If project is existing utilizing existing conduit-raceways and or cabling, then this requirement will be at receipt of contract or acceptable notice to proceed.

6 Quote, in regards to wire and cable footages, is based on a raceway/conduit system being installed in the most direct and efficient manner with the number of turns being kept at a minimum, but not to exceed the NEC code.

7 The facility will appoint a Clinical Administrator, a Systems Resource Administrator and IT Administrator for coordination and working directly with SWC throughout the project.

8 Within the first 30-40 days of the project, we will require the following in order to make the project a success and proceed with final design, programming, manufacturing and installation: 1) necessary IP addresses and server access, 2) needs assessment session and sign-off, 3) final review and sign-off of project scope and schedule.

9 Quote is based on SWCs scope of work being performed during normal business hours Mon-Fri.

10 Unloading and distribution of our equipment will be directly into the areas of our work.

11 Space for lockable storage will be provided for equipment and tools convenient to work areas.

12 All permits, local license, inspections and all related cost will be furnished by others. SWC is licensed to perform work in the state and has license as such.

13 Potable water and toilet facilities for our installation efforts will be furnished by others.

14 Performance and Payment Bond is available if required at 1% of total contract value to SWC. It is not included in our price.

15 Payment for all Engineering, Manufacturing and Project Management will be allowed at time of occurrence and is not contingent on equipment delivery or site operations.

16 Payment for stored material at our facilities will be allowed.

17 Payment terms are net 30 days with all unpaid balances subject to 1 1/2% interest.

18 Warranty will be one (1) year from substantial completion of our scope of work and or beneficial occupancy or use by the Owner and or the Owner's agents / employees and will be as defined by our Certification of Warranty issued at the time of substantial completion of our scope of work and or beneficial occupancy or use by the Owner and or the Owner's agents / employees. Rauland hardware is covered by an additional 4 year manufacturer's warranty (software, pillow speakers, freight, and labor excluded)

19 No Retainage to be withheld.

20 In the case of termination for our Customer's or the Owner's convenience, SWC shall be entitled to receive payment for work executed, and costs incurred by reason of such termination, along with reasonable overhead and profit on the work not executed.

21 Anti-bid shopping clause: It is understood and agreed that this Quote is a confidential document between the parties and any use thereof to conduct business with any party other than SWC constitutes a breach of contract.

22 Wrap-up, CCIP or OCIP clause: SWC shall not participate in a consolidated insurance program (CIP).

23 The Project Schedule will be a mutually agreed upon document between the parties, including all revisions. Schedule revisions and or acceleration requiring additional manpower and time for reasons not caused by SWC (i.e. other trades not meeting the schedule, weather, site conditions, release of rooms/areas and other delays) may constitute a change order for additional time and or an add to the contract value. Scope and price are based on normal working hours Monday through Friday (unless specifically noted) during the hours of 7 am - 5 pm; any deviation, unless requested by SWC, may be cause for additional compensation. Additionally, scope and price are

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678-360-928

be based on the release of a certain quantity of (minimum of 4) rooms or areas per consecutive day/week; failure to release or delay in release may be cause for additional compensation.

24 Owner's builders risk (all risk) insurance policy: The Owner and if not the Contractor / Customer shall purchase and maintain all risk insurance for work performed, material stored (on or off-site), materials in-transit and materials delivered (and or installed).

26 Additional pricing is excluded for extended warranty and requires an executed agreement. If executed, it will begin one year from issuance of SWC Certificate of Warranty. Payment due 60 days. Failure to execute and issue payment will result in loss of service and support under warranty terms and conditions. Billable Service will remain available should an extended warranty agreement not be executed.

27 Time validity of this Quote is 30 days.

28 Taxes, please refer to summary pricing for inclusion or exclusion.

29 Down payment: A 30% down payment is required for all orders and is to be received prior to SWC commencing any work.

POTENTIAL CHANGE ORDER (PCO) REQUEST

School Name:	E.L. Miller ES	Date:	March 3, 2023
Project Name:	GC Services for EL Miller MSBR	Project Number:	354-35
Title:	Ductless Split System Credit	PCO #:	003

Description of Work:

Per RFI #5, the ductless split systems on the mechanical schedule on Drawing M002 are not required for this project and a credit was requested. Add Alternate was provide on original bid and is being credited back in this PCO.

A. Subcontractor Cost of the Work

Conditioned Air Systems, Inc.	$ (19,488.00)	
	$ -	
	$ -	
	$ -	
	$ -	
	$ -	**Subtotal A:** $ (19,488.00)

B. CONTRACTOR Fee: (As per Section 11.7.1.2) - 5% subcontractor work

Subtotal B: $ (974.40)

C. CONTRACTOR Cost of the Work:

Payroll Costs (See attached supporting documentation.)	$ -	
Materials and Equipment (See attached suporting documentation.)	$ -	
Consultant Costs (See attached suporting documentation.)	$ -	
Self-Performed Costs (See attached suporting documentation.)		**Subtotal C:** $ -

D. P&P Bond - 0.4% of Total Subs Cost of Change

Subtotal D: $ (82.18)

E. CONTRACTOR Fee: - 10% self performed

Subtotal E: $ -

Total = (A + B + C + D + E) **Total:** $ (20,544.58)

☐ **The proposal would** ☐ Increase ☐ Decrease **the Milestones and/or Contract Time by** ____ **calendar days.**

☑ **The proposal does NOT affect the Milestones and/or Contract Time.**

Contractor Signature	Operation Manager	March 3, 2023
	Title	Date

HVAC PROPOSAL

CONDITIONED AIR SYSTEMS, INC.

2410 & 2418 Hilton Way SW
Gainesville, Ga 30501
770-536-7509

Bid Job: E.L. Miller Elementary School Upgrade
Bid Date: July 12, 2022
Bid Time: 2:00 PM

Attn: Centennial Contractors

This is to confirm our estimate on the above referenced project based upon the scope of work listed below to include all material and labor for a complete HVAC installation.

Drawings Dated: June 1, 2022

Division 23-0000 HVAC Only

Addendums Acknowledged: 7

Clarifications Acknowledged: 0

We Include the following per plans and specs:	Quantity	Provided	Not-Provided	Installed	Not installed	Notes
Water Side Equipment						
Boilers(s)	1	X		X		
State Boiler Inspection(s)	1	X		X		
Boiler Pump(s)	2	X		X		
System Pump(s)	3	X		X		
Pump Accessories(s)	9	X		X		
Air Dirt Separator(s)	1	X		X		
Expansion Tank(s)	1	X		X		
Heat Exchanger(s)	1	X		X		
Cooling Tower(s)	1	X		X		
WSHP(s)	39	X		X		
Extra Spare WSHP Per Spec	3	X		X		
WSHP Control Isolation Valves(s)	39	X		X		
Flow Control Package(s)	39	X		X		
Air Side Equipment						
Ductless Split System(s)	**4**	**X**		**X**		**None shown on plans - see ADD below**
Dedicated Outside Air System(s) (DOAS)	3	X		X		
Electric Unit Heater(s)	1	X		X		
Commercial Kitchen Hood(s)	1	X		X		
Hood Fire Suppression	1	X		X		
Air Distribution	46	X		X		
Controls						
VFD (s)	3	X		X		
Motor Starter(s)	4	X		X		
Direct Digital Controls (DDC)	1	X		X		
Miscellaneous						
Equipment Rails & Curbs	1 Lot	X		X		
Vibration Isolation	1 Lot	X		X		
Demolition	1	X		X		
Equipment ID	1 Lot	X		X		
Rental Equipment	1 Lot	X		X		
Test and Balance	1	X		X		
Chemical Treatment	1	X		X		
Duct Systems						
HVAC Duct System(s)	1 Lot	X		X		
Duct Insulation	1 Lot	X		X		
Piping Systems						
Condensate Piping	1 Lot	X		X		
Piping Insulation	1 Lot	X		X		

We exclude the following per plans and specs:

Jobsite Security to be provided by General Contractor. Conditioned Air Systems does not include any Builder's Risk Insurance or the Deductible portion of Builder's Risk Insurance.
No Liquidated Damages
Davis Bacon wages
Electrical power wiring and disconnects.
Plumbing & gas piping
Roofing
Architectural Louvers
Any housekeeping pads
Structural Support Frames
Contract Contingency

Pricing:

Ductless Split Systems ADD $ 19,488

Proposal Acceptance:

Verbal or written confirmation required within (14) days stating CAS was the listed HVAC Subcontractor or we may withdraw our quotation.
All Payment & Performance Bonds will be written on standard insurance company forms or AIA 312 Performance Bond & AIA 311 Payment Bond
Conditioned Air Systems will only accept AIA 401 or AGC/ASA/ASC Standard Form Contract for Construction.
Payment to be received a maximum of seven (7) calendar days after General Contractor receives payment from Owner or maximum 30 days from the date the Pay Application is submitted

We appreciate the opportunity and look forward to hearing from you.

Sincerely,
Conditioned Air Systems, Inc.

Carter Pegues
770-862-3825

DeKalb County School District

POTENTIAL CHANGE ORDER (PCO) REQUEST

School Name:	E.L. Miller ES	Date:	March 3, 2023
Project Name:	GC Services for EL Miller MSBR	Project Number:	354-35
Title:	WSHP Ionization	PCO #:	004

Description of Work:

Provide ionization units for WSHPs answer to RFI #6. No ionization for the DOAS Units are included per HVAC supplier recommendations.

A. Subcontractor Cost of the Work

Conditioned Air Systems	$ 43,555.99	
	$ -	
	$ -	
	$ -	
	$ -	
	$ -	**Subtotal A:** $ 43,555.99

B. CONTRACTOR Fee: (As per Section 11.7.1.2) - 5% subcontractor work

Subtotal B: $ 2,177.80

C. CONTRACTOR Cost of the Work:

Payroll Costs (See attached supporting documentation.)	$ -	
Materials and Equipment (See attached suporting documentation.)	$ -	
Consultant Costs (See attached suporting documentation.)	$ -	
Self-Performed Costs (See attached suporting documentation.)		**Subtotal C:** $ -

D. P&P Bond - 0.4% of Total Subs Cost of Change

Subtotal D: $ 183.67

E. CONTRACTOR Fee: - 10% self performed

Subtotal E: $ -

Total = (A + B + C + D + E) **Total:** $ 45,917.46

☐ **The proposal would** ☐ Increase ☐ Decrease **the Milestones and/or Contract Time by** ____ **calendar days.**

☑ **The proposal does NOT affect the Milestones and/or Contract Time.**

Contractor Signature	Title	Date
	Operation Manager	March 3, 2023

CHANGE ORDER PROPOSAL

ATTN: Tyler Shelton
Centennial Contractors Enterprises
3200 Cobb Galleria Parkway, Suite 210
Atlanta, Ga. 30339

RE: E.L. Miller ES
DATE: 02.09.23
RE: RFI # 6
CAS CO # 1

Conditioned Air Systems, Inc. agrees to provide the work as described in the above referenced RFI #6 as detailed below:

	Materials	Labor	Sub
1.) Provide Needle Point Ionization Units for **qty. 39 WSHPs** per			
REVISED Specification 23 4000; 2.04			
ION Unit to be mounted in blower compartment of WSHP			
Provide ION manufactured by GPS. Model # FC-3-BAS	$ 9,945.00		
2.) Provide 75 VA Transformer in WSHP in lieu of standard 50va	$ 4,581.00		
{24vac to power control module, isolation valve and ION}			
3.) Provide material and labor to install & test IONs	$ 1,170.00		
2.5 hrs. x 39 units x $79/hr		$ 7,702.50	
4.) Provide wiring, installation, programming by CCI to control IONs			$ 12,753.00
NOT PROPOSING IONs IN DOAS UNITS AS THEY ARE			
PROVIDING 100% OSA DUCTED TO SPACE			
IF REQUIRED = PROVIDE NEEDLE POINT ION UNITS TO			
QTY. 3 DOAS UNITS FOR ADD OF $ 6,025.00			
Materials Total	$ 15,696.00		
Total Labor		$ 7,702.50	
Total SubContractor			$ 12,753.00

Total Materials and Labor	$	23,398.50
8% Sales Tax	$	1,255.68
Total SubContractor	$	12,753.00
15% P & OH	$	5,611.08
SUBTOTAL	$	43,018.26
ADD P&P Bond	$	537.73
TOTAL	$	43,555.99

*** NOTE: THIS CHANGE ORDER BECOMES PART OF AND IN CONFORMANCE WITH THE EXISTING CONTRACT
*** CONDITIONED AIR SYSTEMS, INC. ACCEPTS NO RESPONSIBILITY FOR DELAYS IN WORK CAUSED BY THIS REVISION
*** NO WORK WILL BE PERFORMED WITHOUT RECEIPT OF SIGNED CHANGE ORDER
*** NOTE: THIS WORK WILL BE PERFORMED DURING NORMAL WORKING HOURS M-F

WE HEREBY AGREE TO MAKE THE CHANGE(S) AS SPECIFIED ABOVE AT
THIS PRICE>>>>>>>>>>>>>>>>>>>>>>>> ~~$ 43,556.00~~

DATE: 02.09.23

Nick Deaton

Conditioned Air Systems, inc.
2410 Hilton Way SW Gainesville, Ga. 30501

GC/CM Acceptance of Proposal Changes: _____

Signature: _____ Date: _____

attachments: ION quote; CCI proposal

Kenny Gee

Subject: EL Miller - GPS IONs

From: Billy Kesterton <bkesterton@mingledorffs.com>
Sent: Tuesday, February 7, 2023 9:52 AM
To: Brandy Browning <bbrowning@conditionedairsystems.com>
Cc: Kenny Gee <kgee@ConditionedAirSystems.com>
Subject: RE: EL Miller

Here is pricing:

WSHPs: $9,945.00 (QTY of 39)
Can hold price for 30 days
Note:
-The GPS-FC-3-BAS is not an auto-clean unit, if required.

Thank you,

Billy Kesterton
Territory Manager
Peachtree Corners, GA

Kenny Gee

Subject: FW: EL Miller ES CO #1

Sent: Thursday, February 9, 2023 11:53 AM
To: Kenny Gee <kgee@ConditionedAirSystems.com>
Cc: Andy Kalinauskas <AndyK@ConditionedAirSystems.com>; Brandy Browning <bbrowning@conditionedairsystems.com>
Subject: RE: EL Miller ES

Hey Kenny,

Heard back from the factory and confirmed we can do the 75 VA transformer as a design special. Please see the add below to have the transformers factory installed on all 42 units. . It will increase the lead time by 4 weeks. Standard lead time is 6 weeks so you are looking at a total of **10 weeks.** They mentioned that this will be much easier than field installing them..

Add for Factory Installed 75 VA Transformer…….$ 4,581.00

Thanks,

Cliff Farrow
Trane Technologies
Account Manager

CONTROL CONCEPTS, LLC
3550 North Pkwy, Suite 100
Cumming, GA 30040
Ofc: (770) 888-0181

February 6, 2023

To: **CONDITIONED AIR SYSTEMS**
C/O: Kenny Gee
Vice President of Operations/General Manager
2410 Hilton Way
Gainesville, GA 30501
office (770) 536-7509
cell: 770-560-3621
fax (770) 535-8096
email: kgee@conditionedairsystems.com
www.conditionedairsystems.com

Project: E.L. MILLER ELEMENTARY SCHOOL UPGRADE #354-423
DeKalb County School District
919 Martin Road
Stone Mountain, GA 30088
Facility Code: 644-0181
Facility #644-1063
iNTREO Building Automation System – Ionization Unit Installation
Proposal #: 22-JM-217 -CO:ION

Control Concepts, LLC. (CCI) is in receipt of RFI#6: EL Miller ES – HVAC Ionization dated December 29, 2022 on February 2, 2023. The following is our pricing to install and wire these units The following are clarifications to our proposal.

INCLUDED IN THIS PROPOSAL:

1. All controllers shall be the **iNTREO** Web-based Building Automation System and shall be furnished and installed by CCI.
2. Thirty-nine (39) Ionization Units to be furnished by installed by Mechanical Contractor.
   - CCI shall wire Ionization unit and monitor status of unit on DDC system.

CLARIFICATIONS FOR THIS PROPOSAL (indicated with ☑):

1. ☑ All work is to be provided during normal work hours.
2. ☑ All low voltage control wiring above lay-in ceilings and inside sheetrock walls to be installed as plenum cable not in conduit. Exposed control wiring (i.e., mechanical rooms) and wiring inside block walls to be in conduit. Concrete walls will require surface mounted raceways. Wiring installed outside and potentially exposed to damage will be run in conduit.
3. ☑ Labor, material, engineering, and startup for equipment provided by CCI has been included.
4. ☑ One (1) year warranty on parts and workmanship is included.
5. ☐ Buy American considerations are included.
6. ☑ Custom color graphics will be created for each piece of equipment controlled or monitored by CCI.
7. OCIP/CCIP insurance.
   - ☑ OCIP/CCIP insurance has been Excluded. If OCIP/CCIP is a requirement, we can provide alternate pricing for the administrative costs.
   - ☐ OCIP/CCIP insurance has been Included.
8. ☑ Unless specifically noted, control dampers are not included in CCI's scope of work. CCI will provide the actuators for the dampers. We assume that the actuator will mount/direct couple to the shaft of the damper provided by others. Our scope does not include any shaft extensions or adaptor plates.

CHANGE ORDER

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9. Purchase Order:
   - ☐ CCI requires a Purchase Order (PO) or Notification to Proceed (NTP) in advance of commencing any work for a project. The Lead Time for projects not requiring a Controls Submittal is Two (2) weeks in advance of commencing work which includes mobilization. In the event the Customer requests reducing the stated lead time, Control Concepts will provide the additional costs related to acceleration of the schedule and will require written approval of these costs before proceeding.
   - ☑ Complete engineered submittals and as-built documentation are included. CCI requires a Purchase Order (PO) or Notification to Proceed (NTP) in advance of commencing any work for a project. Projects requiring Controls Submittals require detailed coordination with other Trades. Depending on the scope of the project, the Controls Submittal cannot begin until we have been provided the related approved submittals (which must include wiring diagrams) by the other trades. In many cases, the lead time for Controls Submittals is Eight (8) weeks after receipt of authorization to proceed and the receipt of the approved submittals (including the wiring diagrams) from the other trades. In the event the Customer requests reducing the stated lead time, additional costs may apply.
10. Liquidated Damages:
   - ☑ No claim for liquidated or actual damages can be made against Control Concepts (CCI) unless it is proven that CCI is the sole cause of the delay or impact to the critical path of the project. CCI's cost basis at the time of the proposal was derived from the scope of work and project schedule that included completion of critical path items by others and a duration of time for our scope to follow. Should the schedule change (acceleration, compression, or delay), CCI will evaluate and advise of any cost impact via a change order.
11. Project Pricing Considerations:
   - ☑ In no event shall Control Concepts (CCI) be liable for:
     (a) Price increases in material or equipment as a result of delays not solely caused by CCI.
     (b) Delays or price increases resulting from material or equipment shortages in the supply chain.
     In such event, Control Concepts shall request and be entitled to a Change Order for any changes in the Contract Sum and Contract schedule.
12. COMMISSIONING/3rd Party Commissioning:
   - ☐ Unless specifically noted, No Allocation of Hours have been included for any commissioning assistance. If commissioning assistance is required, a quote based on required hours can be provided at that time. Contractor specific commissioning/CCI assistance is not included.
   - ☐ CCI has included **80** hours for commissioning assistance. If commissioning assistance is required over this allocation, we can provide additional pricing.
   - ☑ 3rd Party commissioning assistance is not included. Please add ***$xx,xxx.00*** if 3rd party commissioning is required.
13. ☐ For coordination of the VRF systems, Mechanical contractor shall provide all required documentation that is necessary to correlate VRF units; which shall include controller addresses; and Room Numbers before CCI can proceed with integrating the system.
14. ☑ If factory controls are provided by the Equipment Manufacturer (HVAC/Lighting/etc.), Control Concepts assumes the factory provided controls will meet the intent of the contract documents, including the Sequence of Operation. CCI excludes supplemental control components, engineering, commissioning assistance and/or programming required to comply with any deficiencies of factory provided controllers. Before CCI begins the integration process, any factory provided controllers must be programmed, commissioned, addressed; all BACnet points exposed and made available to CCI.
15. Building Information Modeling (BIM)
   - ☑ Building Information Modeling (BIM) work has been excluded. Coordination and support for the project BIM modeling Team can be added for an additional fee after determining the resources required.
   - ☐ Coordination and support for the project BIM modeling Team has been Included.

CHANGE ORDER

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EXCLUSIONS FROM THIS PROPOSAL (indicated with ☑):

16. ☑ Water piping penetrations and taps necessary to install control devices are not included. CCI will coordinate device locations with the Mechanical contractor. Installation of control devices (immersion sensors, flow sensors, flow switches, flow meters, control valves, etc.) by Mechanical contractor.
17. ☑ Unless specifically noted, control dampers are not included in CCI's scope of work.
18. Thermostat Rough-In
    - ☐ Thermostat rough-in, in concrete or block walls or rough-ins requiring a raceway is not included. Thermostat rough-in, in uninsulated sheet rock walls are included.
    - ☑ Rough-Ins are not included.
19. ☑ Wiring clean-up in the ceiling for open-ceiling areas is not shown to be required, and not included.
20. ☑ Lighting control is not included. The contract documents for BAS did not reference that integration was required. The lighting control appears to be provided, installed & commissioned by another Division.
21. ☑ Monitoring of Biosafety Cabinets and other Lab Equipment not shown on Mechanical plans or indicated above is not included.
22. ☑ Integration/monitoring of elevator system. If requested, CCI can provide a cost proposal.
23. ☑ Integration/monitoring of Nurse Call system. If requested, CCI can provide a cost proposal.
24. ☑ Integration/monitoring of Fire Alarm System. If requested, CCI can provide a cost proposal.
25. ☑ Mechanical indicating devices such as pressure gauges, thermometers, magnehelic gauges and other non-DDC monitored devices are not included.
26. ☑ Refrigerant Monitor. This is to be provided and installed by the others.
27. ☑ Cyber Security is not included. Unless specifically noted otherwise, any Cyber Security requirements pertaining to DOD Instruction 8500.01/8510.01 (or any other directive, federal or otherwise) are NOT INCLUDED and should be provided by others if required.
28. ☑ Patching, painting, and general handyman work associated with this project is not included.
29. ☑ All area and duct smoke detectors are to be provided and installed under fire alarm portion of the specifications and are not included in our proposal.
30. ☑ Smoke and fire/smoke dampers provided and installed by others.
31. ☑ Motor starters, variable frequency drives (VFD's), contactors or disconnects are not included.
32. ☑ Davis Bacon wage considerations are NOT included.
33. ☑ Performance & Payment bond is NOT included.
34. ☑ Standard trap primer valves by others. If requested, CCI can provide a cost proposal.
35. ☑ Domestic water metering and gas metering (Utilities). If requested, CCI can provide a cost proposal.
36. ☑ Any materials not provided by CCI shall be installed and wired by others.
37. ☑ Proof of full SARS-CoV-2/COVID vaccination for Control Concepts workers is not listed as a requirement on the Project. As such, considerations related to worker vaccination have not been included in cost, schedule or staffing requirements for the Project. Should Contractor or Owner require vaccination of workers at a future date, such a vaccination requirement would be a newly added or changed condition of the Subcontract for which equitable adjustment to price and schedule would be required. Further, to the extent that vaccination of workers is required at a future date, Contractor is hereby notified that Subcontractor will take commercially reasonable efforts to comply with the vaccine request and continue to take reasonable COVID precautions, but Subcontractor does not guarantee that all workers required to complete Subcontractor's work on the Project will be vaccinated.

CHANGE ORDER

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Our Change Order Price: $ 12,753.00

~~**Additive Alternate:** CCI to wire and monitor for alarming Ionization units for three (3) DOAS Units. (Note that DOAS-3 is assumed to be provided with two (2) Ionization Units).~~

~~**Our Additive Alternate to our Change Order Price: $ 2,600.00**~~

The above pricing is firm for 30 days.
The attached Terms and Conditions apply to this proposal.

Sincerely,

Jeff Morrison
Sr. Executive Account Director
CONTROL CONCEPTS, LLC.
Email: jmorrison@intreo.com
O:(770) 888-0181
D:(678) 341-2667
C: (770) 527-1732

AUTHORIZATION SIGNATURE

Signature below denotes approval of the scope, pricing, and terms of conditions of this proposal and authorizing Control Concepts, LLC to proceed with the execution of this project.

Proposal Accepted By:

Print Name	Signature
Title	Purchase Order Number
Date	

CHANGE ORDER

DeKalb County School District

POTENTIAL CHANGE ORDER (PCO) REQUEST

School Name:	E.L. Miller ES	Date:	March 3, 2023
Project Name:	GC Services for EL Miller MSBR	Project Number:	354-35
Title:	Fire Alarm Ssytem - Material Price Increases	PCO #:	006

Description of Work:

Per Appendix C of RFP 22-752-023, a Notice to Proceed for this project was to occur on October 7, 2022. The date of the Notice to Proceed issuance occurred on December 20, 2022. Material escalation for the fire alarm system during this period and our inability to have approved submittals prior to the manufacturer's price increases requires additional compensation for the increased costs of these materials.

A. Subcontractor Cost of the Work

Electrical Contractor Incorporated	$ 10,225.61	
	$ -	
	$ -	
	$ -	
	$ -	
	$ -	**Subtotal A:** $ 10,225.61

B. CONTRACTOR Fee: (As per Section 11.7.1.2) - 5% subcontractor work

Subtotal B: $ 511.28

C. CONTRACTOR Cost of the Work:

Payroll Costs (See attached supporting documentation.)	$ -	
Materials and Equipment (See attached suporting documentation.)	$ -	
Consultant Costs (See attached suporting documentation.)	$ -	
Self-Performed Costs (See attached suporting documentation.)		**Subtotal C:** $ -

D. P&P Bond - 0.4% of Total Subs Cost of Change

Subtotal D: $ 43.12

E. CONTRACTOR Fee: - 10% self performed

Subtotal E: $ -

Total = (A + B + C + D + E) **Total:** $ 10,780.01

☐ **The proposal would** ☐ Increase ☐ Decrease **the Milestones and/or Contract Time by** ____ **calendar days.**

☑ **The proposal does NOT affect the Milestones and/or Contract Time.**

Contractor Signature	Title	Date
	Operation Manager	March 3, 2023

Electrical Contractor Incorporated
8141-D Technology Drive, Covington, GA 30014
Office: 770-788-8082 ~ Fax: 770-788-9738

CHANGE ORDER PROPOSAL

To:
Centennial
3200 Cobb Galleria Parkway
Atlanta, Ga Suite 210 30339

JOB #: 2214
C.O. PROPOSAL #: 2214-03
DATE: 2/21/2023
JOB: EL Miller Major

PAGE#: 1 OF 1

COST TOTAL: $ 10,226.00

ACCEPTED: [ ] REJECTED: [ ]
COMPLETED: [ ] % BILLED: [ ]

DESCRIPTION:

Due to prolonged time between original bid day and contract issuance dates, the bid day Fire Alarm quote which is valid for 30 days has expired and experienced a cost increase upon re-quoting.

MATERIAL

Qty	Description	Unit Price	Per	Extension
	old quote- $175,698.00		E	$0.00
	New quote-$185,002.00		E	$0.00
			E	$0.00
			E	$0.00
			E	$0.00
			E	$0.00
			E	$0.00
			E	$0.00
			E	$0.00
			E	$0.00
	Simplex quote below		E	$0.00
			E	$0.00
			E	$0.00
			E	$0.00
			E	$0.00

Sutotal Material:		$0.00
Sales Tax:	0.00%	$0.00
Material Total:		$0.00
Total Labor		$0.00
Bond Accrue:		$122.74
Administrative:		$100.00
Subtotal:		$222.74
Profit:	0%	$0.00
Subtotal:		$222.74
Subcontractors:		$9,305.00
Subcontractor's Profit:		$697.87
GRAND TOTAL:		**$10,225.61**

Labor Rate: $60.00

NOTE: Quote good for 30 days.

Johnson Controls Fire Protection LP
1350 North Meadow Drive Suite 100
Roswell , GA 30340

Johnson Controls Fire Protection LP Quotation

To:
Dekalb County Schools
233 East Trinity Place
Decatur, GA 30030

Project: E.L. Miller ES FA - CPQ-241346
Johnson Controls Reference: 650241346
Proposal #: 1
Date: 06/15/2022

Johnson Controls is pleased to offer for your consideration this quotation for the above project

Scope of Work

E.L. Miller
Fire Alarm

Thank you for allowing Johnson Controls to provide a Proposal for the Wadsworth ES Project. This proposal includes the equipment as listed below. In addition, our quotation includes a submittal package, shop drawings, panel terminations, system programming, acceptance testing, and close out documentation to include NFPA 72 record of completion.

Johnson Controls Fire Protection will provide SIMPLEX FA and labor for the items named below. All systems provided are up to date equipment and can grow with this customer's needs.

Project Breakout Fire Alarm:
Plan & Spec project with Addressable Voice System

Inclusions:

We have considered:

- 4100ES Panel with DACT
- Dialer with AIM
- Class B IDNAC and IDNET
- Fully sprinklered building
- Single action MCP with STI cover
- Weatherproof devices in areas mentioned as Wet Area

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- Multichannel system with 50W digital amplifier
- 3 areas with gym in our scope for fire alarm system estimation.
- DD with relay (4098-9756) along with weatherproof enclosure for DOAS
- DD with relay (4098-9756) for 1 AHU as per HVAC plans
- 2 DD with relay (4098-9756) shown in Multipurpose gymnasium area
- Additional notification devices in plans as per coverage requirement & code requirement based on mail confirmation
- Red color notification devices
- 1 Annunciator as per plans
- 1AIM for KHSS
- 1RIAM for gas shut off.
- Set of WF/TS as per area coverage.
- Wire guard for smoke detectors in Multipurpose gymnasium area
- (1) AOM for cafeteria sound system as per specification section 27 01 00 Part 4
- (1) AOM for intercom interconnection as per specification section 27 01 00 Part 1.01 D.

Exclusions:

We have not considered:

- Any third-party interface other than mentioned in Inclusion list
- printer
- Interface for intercom
- Interface for AHU-3 (M202 Layout) as per HVAC plan, as smoke detector not shown in HVAC plans, assuming CFM will be less than 2000.
- Spare parts
- Zone chart

Johnson Controls is not responsible for the design of this project. Additional devices may be deemed necessary by the AHJ, a change-order will be made.

JCI is responsible for the wire & device installation and terminations.

The Mechanical Contractor is responsible for installing the JCI provided duct detectors.

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The electrical contractor will provide and install all conduit and boxes (including the installation of fiber between buildings and any Johnson Controls provided weatherproof boxes and cabinets), pull strings, flexible piping, box blank covers, electrical breakers, terminal cabinets, breaker locks.

If AHJ determines that testing above and beyond the acceptance testing is required a change-order will be made to reflect extra technician time.

THIS PROPOSAL IS BASED UPON THOSE ITEMS DENOTED BY [X]":
[X] Specification section: Division 28 Dated 2/7/22
[X] ISSUE FOR PERMIT 12/17/21 Project#20046

THIS QUOTATION INCLUDES ONLY THOSE ITEMS DENOTED BY "[X]":

[X] Georgia State Sales Tax
[X] Freight (F.O.B. shipping point)
[X] Shop Drawings/As-Builts - Electronic CAD files for generating shop drawings to be provided by others.
[X] Cable termination of all control panels and notification power supplies.
[X] Technical installation support including programming
[X] Permit
[X] 1 - 100% test with accepting authority (AHJ).
[X] NFPA certification documentation to include NFPA 72 Record of Completion.
[X] One-year standard warranty.
[X] End user orientation.

THIS QUOTATION DOES NOT INCLUDE THE FOLLOWING:

Phased Checkout
Raceway, standard electric boxes
120vac power
Fire protection switches or gas solenoids
Phone lines
Remote station monitoring contract (available upon request)
Knox box

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Payment/Performance Bonds
Cutting, drilling, patching, fire caulking or painting
Fire watch
On Site Project Manager
Replacement of Smoke Detectors that are dirty or outside of sensitivity range at completion of project.
No asbestos abatement is identified, expected or included in this contract. All policies and procedures referenced in the specification will be followed as required.
No Lead paint abatement is identified, expected or included in this contract. All policies and procedures referenced in the specification will be followed as required.
Cost for CAD files

It is Johnson Controls understanding that these drawings and specifications represent the work to be accomplished in its entirety and no additional work or materials is expected or required. This quote covers direct costs only and we reserve the right to claim for impact and consequential costs.

ADDITIONAL NOTES:
If Johnson Controls is awarded this project we will need:
· A complete set of bid documents including specifications and any addendums
· An electronic CAD file in AutoCAD shall be sent to patrick.burkett@jci.com or mailed to the branch address on this quote.
· A complete schedule
· A copy of the "Notice of Commitment"
· Your P.O. or contract will need to reference this proposal # and amount. This proposal and its terms and condition shall take precedence. Your Purchase Order or contract is subject to review and must be mutually agreeable.

Quotation is valid for a period of 30 days ONLY unless modified in writing by Johnson Controls.

All work is to be performed during normal Johnson Controls hours of 8am to 5pm Monday through Friday.

We reserve the right to correct this quote for errors and omissions.

As stated above, Johnson Controls will perform the work pursuant to the attached Terms and Conditions. Should the parties fail to execute a mutually agreeable definitive agreement, all work performed by Johnson Controls on or related to the above captioned project (with the exception of any monitoring services anticipated, which will only be performed pursuant to the unaltered terms and conditions of Johnson Controls standard Monitoring Agreement) will be performed pursuant to the attached Terms and Conditions

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QTY	MODEL NUMBER	DESCRIPTION
	E.L MILLER ELEMENTARY SCHOOL	
	FACP	
1	4100-9701	ES-PS MSTR CTRLR 2X40
1	4100-9621	BASIC AUDIO W/MIKE-DIGITAL
1	4100-6080	SERIAL DACT SIDE MOUNT
1	41002153	3Bay Glass Dr Pkg Factory Only
1	4100-1294	LED/SWITCH SLIDE-IN LABEL KIT
1	4100-2320	AUDIO EXPANSION BAY
1	4100-1241	MESSAGE EXPANSION, 8 MINUTES
1	41002163	INDICATOR ONLY 3 BAY SOLID
1	4100-1280	8 SWITCH, 8 RED LED MODULE
4	4100-5451	IDNAC CARD
1	4100-3117	MSTR CTLR IDNET2, FACTORY ONLY
1	41007905	FACTORY BUILT-MAIN CONFIGURED
5	4100-0644	120V ES-PS PDM HARNESS
1	4100-1327	FLEX 50W AMP W/3 NACS - 70V
2	4100-0634	POWER DISTRIBUTION MODULE 120V
1	4100-1255	AUDIO IF 3-8 CHANNEL
1	4100-1288	64/64 LED/SWITCH CONTROLLER
3	4100-2300	EXPANSION BAY (PHASE 10 ONLY)
2	4100-0011	FACTORY USE ONLY-AUDIO SHIPKIT
2	4100-5128	BATTERY DIST TERM MODULE
12	4100-1279	2 BLANK DISPLAY MODULE
4	4100-5401	ES-PS POWER SUPPLY
1	4100-0636	BOX TO BOX HARNESS KIT
1	4100-0637	AUDIO BOX TO BOX HARNESS KIT
	INITIATING DEVICES	
22	4099-9004	STATION-LED, SA ADDR
23	4098-9714	PHOTO SENSOR
23	4098-9792	SENSOR BASE
6	2098-9715	SMOKE DETECTOR WIRE GUARD
6	4098-9756	DUCT SENSOR HOUSING-4-WIRE

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QTY	MODEL NUMBER	DESCRIPTION
6	4098-9856	"SAMPLING TUBE 49"", PLASTIC"
6	2098-9806	REMOTE TEST STATION
6	4081-9008	EOL, 10K 1/2W
8	4090-9001	SUPERVISED IAM
8	4090-9807	COVER-ADDRESS MODULE SURFACE
8	4081-9004	EOL, 6.8K 1/2W
8	4090-9810	BRACKET, IAM
4	4090-9002	RELAY IAM
4	4090-9802	COVER-ADDRESS MODULE SURFACE
22	STI-1100	STOPPER II W/ HORN FLUSH MOUNT
	NOTIFICATION DEVICES	
29	49SV-APPLC	SPKR/VIS APPLIANC ONLY CEILING
35	49SVC-CRFIRE	SV COVER CEIL RED FIRE
4	49SVH-APPLC	SV HICD APPLIANCE ONLY CEILING
2	49SVH-APPLC-O	SV HICD APPL ONLY CEILING WP
2	49WPBB-SVWR	WEATHERPF BB SPKR/VIS WALL RED
4	49SV-APPLW	SPKR/VIS APPL ONLY WALL
4	49SVC-WRFIRE	SV COVER WALL RED FIRE
4	49MP-SVWR	SV MOUNTING PLATE WALL RED
4	49WG-SVWCR	WIREGUARD,SPKR/VISIBLE,W/C,RED
62	49VO-APPLC	VO APPLIANCE ONLY CEILING
82	49VOC-CRF	VO COVER, CEILING RED FIRE
20	49VOH-APPLC	VO HICD APPLIANCE ONLY CEILING
5	49VOH-APPLC-O	VO HICD CEIL APPL ONLY WP
5	49VOC-CRF-O	VO COVER CEIL RED FIRE WP
5	49WPBB-VOCR	WP BACKBOX, VO CEILING, RED
5	49VO-WRF	VO Wall Red FIRE
	Internal Labor	
	DSGN LAB	DESIGN LABOR
	CAD LAB	CAD LABOR
	PM LAB	PROJECT/CONSTRUCTION MGMT
	COMM LAB	COMMISSIONING LABOR
	PANEL ACCESSORIES	

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QTY	MODEL NUMBER	DESCRIPTION
1	2975-9443	3 BAY BB/GDOOR/DRESS PNL RED
1	2975-9449	3 BAY BOX & SOLID DOOR RED
2	2081-9287	BATTERY 25AH
2	2081-9296	BATTERY 50AH
1	4100-0650	BATTERY SHELF
1	E120V-GT	120V HYBRID SRG PROTECT
	SYSTEM ACCESSORIES	
1	4603-9101	LCD ANNUNCIATOR
2	2081-9028	TRANSIENT CUBE FOR MAPNET I,II
2	2081-9044	OVERVOLTAGE SUPPRESSOR
2	DTK-2MHLP75BWB	Modular Surge Protector with L
1	LE4010CF-AT	AT&T LTE UNIVERSAL CELLULAR FI
1	SSU00625	CAB DOC STORAGE AS BUILT RED
	JCI Install	
	JCI Install	
	DPINSTAL	SUB INSTALL LABOR
	DPSVC	DP SVCS (PERMITS/FEES/BONDS)

Total net selling price, FOB shipping point, $175,698.00

Payment Options:

Johnson Controls Capital Funding Solutions

Equipment Finance Agreement: Allows for payment over time for products and installation costs, while maintaining ownership of assets. No down payment required.

As a Service Subscription: Covers costs of installation and services over time without ownership of assets. No upfront costs.

Final pricing subject to change based on credit approval, any applicable state/local taxes

For more information on Johnson Controls Capital funding solutions, please forward this proposal along with any questions to your sales representative and JCCapitalNA@jci.com.

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TERMS AND CONDITIONS (Rev. 4/22)

1.Payment and Invoicing. All payments are due net thirty (30) days from the date of invoice. Invoices shall be paid by Customer via electronic delivery via EFT/ ACH. Invoicing disputes must be identified in writing within 21 days of the invoice date. Payments of any disputed amounts are due and payable upon resolution. All other amounts remain due within thirty (30) days from the date of the invoice. Work performed on a time and material basis shall be at Company's then-prevailing rate for material, labor, and related items, in effect at the time supplied under this Agreement. Company shall invoice Customer for progress payments to 100% percent based upon equipment delivered or stored, and services performed. In the event project duration exceeds one month, Company reserves the right to submit partial invoices for progress payments for work completed at the project site. Customer agrees to pay any progress invoices in accordance with the payment terms set forth herein. In exchange for close-out documents to be provided by Company, Customer agrees to pay Company the remaining project balance when on-site labor is completed and prior to any final inspections. Customers without established satisfactory credit and Customers who fail to pay amounts when due may be required to make payments of cash in advance, upon delivery or as otherwise specified by Company. Company reserves the right to revoke or modify Customer's credit in its sole discretion. Customer acknowledges and agrees that timely payments of the full amounts listed on invoices is an essential term of this Agreement and that Customer's failure to make payment when due is a material breach of this Agreement. Customer further acknowledges that if there is any amount outstanding on an invoice, it is material to Company and will give Company, without prejudice to any other right or remedy, the right to, without notice: (i) suspend, discontinue or terminate performing any services and/or withhold further deliveries of equipment and other materials, terminate or suspend any unpaid software licenses, and/or suspend Company's obligations under or terminate this Agreement; and (ii) charge Customer interest on the amounts unpaid at a rate equal to the lesser of one and one half (1.5) percent per month or the maximum rate permitted under applicable law, until payment is made in full. Company's election to continue providing future services does not, in any way diminish Company's right to terminate or suspend services or exercise any or all rights or remedies under this Agreement. Company shall not be liable for any damages, claims, expenses, or liabilities arising from or relating to suspension of services for non-payment. In the event that there are exigent circumstances requiring services or the Company otherwise performs services at the premises following suspension, those services shall be governed by the terms of this Agreement unless a separate contract is executed. If Customer disputes any late payment notice or Company's efforts to collect payment. Customer shall immediately notify Company in writing and explain the basis of the dispute. (Customer agrees to pay all of Company's reasonable collection costs, including legal fees and expenses.

2.Deposit. Unless prohibited by law, Customer agrees to pay a deposit equal to 30% of the project sell price (pre-tax) prior to Company providing any labor or materials on the project. Company will generate an invoice for the 30% deposit after Company's receipt of a written agreement or order from Customer. Company will not commence work until receipt of the deposit.

3.Pricing. The pricing set forth in this Agreement is based on the number of devices to be installed and services to be performed as set forth in the Scope of Work ("Equipment" and "Services"). If the actual number of devices installed or services to be performed is greater than that set forth in the Scope of Work, the price will be increased accordingly. If this Agreement extends beyond one year, Company may increase prices upon notice to the Customer.

All stated prices are exclusive of and Customer agrees to pay any taxes, fees, duties, tariffs, false alarm assessments, installation or alarm permits, and levies or other similar charges imposed and/ or enacted by a government, however designated or imposed, including but not limited to value-added and withholding taxes that are levied or based upon the amounts paid under this Agreement.

Prices in any quotation or proposal from Company are subject to change upon notice sent to Customer at any time before the quotation or proposal has been accepted. Prices for products covered by this Agreement may be adjusted by Company, upon notice to Customer at any time prior to shipment and regardless of Customer's acceptance of the Company's proposal or quotation, to reflect any increase in Company's cost of raw materials (e.g., steel, aluminum) inability to secure Products, changes or increases in law, labor, taxes, duties, tariffs or quotas, acts of government, any similar charges, or to cover any extra, unforeseen and unusual cost elements.

4.Alarm Monitoring Services. Any reference to alarm monitoring services in this Agreement is included for pricing purposes only. Alarm monitoring services are performed pursuant to the terms and conditions of Company's standard alarm monitoring services agreement.

5.Code Compliance. Company does not undertake an obligation to inspect for compliance with laws or regulations unless specifically stated in the Scope of Work. Customer acknowledges that the Authority Having Jurisdiction (e.g. Fire Marshal) may establish additional requirements for compliance with federal, state/provincial and local codes. Any additional services or equipment required will be provided at an additional cost to Customer.

6.Limitation of Liability; Limitations of Remedy. It is understood and agreed by the Customer that Company is not an insurer and that insurance coverage shall be obtained by the Customer and that amounts payable to company hereunder are based upon the value of the services and the scope of liability set forth in this Agreement and are unrelated to the value of the Customer's property and the property of others located on the premises. Customer agrees to look exclusively to the Customer's insurer to recover for injuries or damage in the event of any loss or injury and that Customer releases and waives all right of recovery against Company arising by way of subrogation. Company makes no guaranty or Warranty, including any implied warranty of merchantability or fitness for a particular purpose that equipment or services supplied by Company will detect or avert occurrences or the consequences therefrom that the equipment or service was designed to detect or avert. It is impractical and extremely difficult to fix the actual damages, if any, which may proximately result from failure on the part of Company to perform any of its obligations under this Agreement. Accordingly, Customer agrees that, Company shall be exempt from liability for any loss, damage or injury arising directly or indirectly from occurrences, or the consequences therefrom, which the equipment or service was designed to detect or avert. Should Company be found liable

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for any loss, damage or injury arising from a failure of the equipment or service in any respect, Company's liability shall be limited to an amount equal to the Agreement price (as increased by the price for any additional work) or where the time and material payment term is selected, Customer's time and material payments to Company to be calculated with reference to payments made at the time the loss is sustained. Where this Agreement covers multiple sites, liability shall be limited to the amount of the payments allocable to the site where the incident occurred. Such sum shall be complete and exclusive. In no event shall Company be liable for any damage, loss, injury, or any other claim arising from any servicing, alterations, modifications, changes, or movements of the Covered System(s) or any of its component parts by Customer or any third party. To the maximum extent permitted by law, in no event shall Company and its affiliates and their respective personnel, suppliers and vendors be liable to Customer or any third party under any cause of action or theory of liability, even if advised of the possibility of such damages, for any (a) special, incidental, consequential, punitive or indirect damages of any kind; (b) loss of profits, revenues, data, customer opportunities, business, anticipated savings or goodwill; (c) business interruption; or (d) data loss or other losses arising from viruses, ransomware, cyber-attacks or failures or interruptions to network systems. The limitations of liability set forth in this Agreement shall inure to the benefit of all parents, subsidiaries and affiliates of Company, whether direct or indirect, Company's employees, agents, officers and directors.

7.Reciprocal Waiver of Claims (SAFETY Act). Certain of Company's systems and services have received Certification and/or Designation as Qualified Anti-Terrorism Technologies ("QATT") under the Support Anti-terrorism by Fostering Effective Technologies Act of 2002, 6 U.S.C. §§ 441-444 (the "SAFETY Act"). As required under 6 C.F.R. 25.5 (e), to the maximum extent permitted by law, Company and Customer hereby agree to waive their right to make any claims against the other for any losses, including business interruption losses, sustained by either party or their respective employees, resulting from an activity resulting from an "Act of Terrorism" as defined in 6 C.F.R. 25.2, when QATT have been deployed in defense against, response to, or recovery from such Act of Terrorism.

8.General Provisions. Customer has selected the service level desired after considering and balancing various levels of protection afforded, and their related costs. All work to be performed by Company will be performed during normal working hours of normal working days (8:00 a.m. – 5:00 p.m., Monday through Friday, excluding Company holidays), as defined by Company, unless additional times are specifically described in this Agreement. Company will perform the services described in the Scope of Work section ("Services") for one or more system(s) or equipment as described in the Scope of Work section or the listed attachments ("Covered System(s)"). The Customer shall promptly notify Company of any malfunction in the Covered System(s) which comes to Customer's attention. This Agreement assumes the Covered System(s) are in operational and maintainable condition as of the Agreement date. If, upon initial inspection, Company determines that repairs are recommended, repair charges will be submitted for approval prior to any work. Should such repair work be declined Company shall be relieved from any and all liability arising therefrom..UNLESS OTHERIWISE SPECIFED IN THIS AGREEMENT, ANY INSPECTION(AND, IF SPECIFED , TESTING) PROVIDED UNDER THIS AGREEMENT DOES NOT INCLUSW ANY MAINTENANCE , REPAIRS, ALTERATIONS, REPLACEMENT OF PARTS, OR ANY FIELD ADJUSTMENTS WHATSOEVER, NOR DOES IT INCLUDE THE COREECTION OF ANY DEFIENCIES IDENTIFIES BY COMPANY TO CUSTOEMR. COMPANY SHALL MOT BE RESPOSIBLE FOR EUIPMENT FAILURE OCCURING WHILE COMPANY IS IN THE PROCESS OF FOLLOWING ITS INSPECTION TECHNIQUES, WHERE THE FAILURE ALSO RESULTS FROM THE AGE OR OBSOLESCENSE OF THE ITEM OR DUE TO NORMAL WEAR AND TEAR. THIS AGREEMENT DOES NOT COVER SYSTEMS, EUIPMENTS , COMPONENTS OR PARTS THAT ARE BELOW GRADE,BEHIND WALLS OR THER OBSTRUCTION OR EXTERIOR TO THE BUILDING, ELECTRICAL WIRING AND PIPING .

9.Customer Responsibilities. Customer shall furnish all necessary facilities for performance of its work by Company, adequate space for storage and handling of materials, light, water, heat, heat tracing, electrical service, local telephone, watchman, and crane and elevator service and necessary permits. Where wet pipe system is installed, Customer shall supply and maintain sufficient heat to prevent freezing of the system. Customer shall promptly notify Company of any malfunction in the Covered System(s) which comes to Customer's attention. This Agreement assumes any existing system(s) are in operational and maintainable condition as of the Agreement date. If, upon initial inspection, Company determines that repairs are recommended, repair charges will be submitted for approval prior to any work. Should such repair work be declined Company shall be relieved from any and all liability arising therefrom. Customer shall further:

- supply required schematics and drawings unless they are to be supplied by Company in accordance with this Agreement;
- Provide a safe work environment, in the event of an emergency or Covered System(s) failure, take reasonable safety precautions to protect against personal injury, death, and property damage, continue such measures until the Covered System(s) are operational, and notify Company as soon as possible under the circumstances.
- Provide Company access to any system(s) to be serviced,
- Comply with all laws, codes, and regulations pertaining to the equipment and/or services provided under this Agreement.

Customer is solely responsible for the establishment, operation, maintenance, access, security and other aspects of its computer network ("Network") and shall supply Company secure Network access for providing its services. Products networked, connected to the internet, or otherwise connected to computers or other devices must be appropriately protected by Customer and/or end user against unauthorized access. Customer is responsible to take appropriate measures, including performing back-ups, to protect information, including without limit data, software, or files (collectively "Data") prior to receiving the service or products.

10.Excavation. In the event the Work includes excavation, Customer shall pay, as an extra to the contract price, the cost of any additional work performed by Company dues to water, quicksand, rock or other unforeseen condition or obstruction encountered or shoring required.

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11.Structure and Site Conditions. While employees of Company will exercise reasonable care in this respect, Company shall be under not responsibility for loss or damage due to the character, condition or use of foundations, walls, or other structures not erected by Company or resulting from the excavation in proximity thereto, or for damage resulting from concealed piping, wiring, fixtures, or other equipment or condition of water pressure. All shoring or protection of foundation, walls or other structures subject to being disturbed by any excavation required hereunder shall be the responsibility of Customer. Customer shall have all things in readiness for installation including, without limitation, structure to support the sprinkler system and related equipment (including tanks), other materials, floor or suitable working base, connections and facilities for erection at the time the materials are delivered. In the event Customer fails to have all things in readiness at the time scheduled for receipt of materials, Customer shall reimburse Company for all expenses caused by such failure. Failure to make areas available to Company during performance in accordance with schedules that are the basis for Company's proposal shall be considered a failure to have things in readiness in accordance with the terms of this Agreement.

12.Confined Space. If access to confined space by Company is required for the performance of Services, Services shall be scheduled and performed in accordance with Company's then-current hourly rate.

13.Hazardous Materials. Customer represents that, except to the extent that Company has been given written notice of the following hazards prior to the execution of this Agreement, to the best of Customer's knowledge there is no:

- Space in which work must be performed that, because of its construction, location, contents or work activity therein, accumulation of a hazardous gas, vapor, dust or fume or the creation of an oxygen-deficient atmosphere may occur,
- "permit confined space," as defined by OSHA for work performed by Company in the United States,
- risk of infectious disease,
- need for air monitoring, respiratory protection, or other medical risk,
- asbestos, asbestos-containing material, formaldehyde or other potentially toxic or otherwise hazardous material contained in or on the surface of the floors, walls, ceilings, insulation or other structural components of the area of any building where work is required to be performed under this Agreement.

All of the above are hereinafter referred to as "Hazardous Conditions". Company shall have the right to rely on the representations listed above. If hazardous conditions are encountered by Company during the course of Company's work, the discovery of such materials shall constitute an event beyond Company's control and Company shall have no obligation to further perform in the area where the hazardous conditions exist until the area has been made safe by Customer as certified in writing by an independent testing agency, and Customer shall pay disruption expenses and re-mobilization expenses as determined by Company. This Agreement does not provide for the cost of capture, containment or disposal of any hazardous waste materials, or hazardous materials, encountered in any of the Covered System(s) and/or during performance of the Services. Said materials shall at all times remain the responsibility and property of Customer. Company shall not be responsible for the testing, removal or disposal of such hazardous materials.

14,COVID-19 Vaccination. Company expressly disclaims any requirement, understanding or agreement, express or implied, included directly or incorporated by reference, in any Customer purchase order, solicitation, notice or otherwise, that any of Company's personnel be vaccinated against Covid-19 under any federal, state/provincial or local law, regulation or order applicable to government contracts or subcontracts, including, without limitation, Presidential Executive Order 14042 ("Ensuring Adequate COVID Safety Protocols for Federal Contractors") and Federal Acquisition Regulation (FAR) 52.223-99 ("Ensuring Adequate COVID Safety Protocols for Federal Contractors"). Any such requirement shall only apply to Company's personnel if and only to the extent contained in a written agreement physically signed by an authorized officer of Company.

15.Occupational Health and Safety/OSHA Compliance. Customer shall indemnify and hold Company harmless from and against any and all claims, demands and/or damages arising in whole or in part from the enforcement of applicable laws regarding occupational health and safety for work performed in Canada or the Occupational Safety Health Act for work performed by Company in the United States. (and any amendments or changes thereto) unless said claims, demands or damages are a direct result of causes within the exclusive control of Company.

16.Interferences. Customer shall be responsible to coordinate the work of other trades (including but not limited to ducting, piping, and electrical) and for and additional costs incurred by Company arising out of interferences to Company's work caused by other trades.

17.Modifications and Substitutions. Company reserves the right to modify materials, including substituting materials of later design, providing that such modifications or substitutions will not materially affect the performance of the Covered System(s).

18.Changes, Alterations, Additions. Changes, alterations and additions to the Scope of Work, plans, specifications or construction schedule shall be invalid unless approved in writing by Company. Should changes be approved by Company, that increase or decrease the cost of the work to Company, the parties shall agree, in writing, to the change in price prior to performance of any work. However, if no agreement is reached prior to the time for performance of said work, and Company elects to perform said work so as to avoid delays, then Company's estimate as to the value of said work shall be deemed accepted by Customer. In addition, Customer shall pay for all extra work requested by Customer or made necessary because of incompleteness or inaccuracy of plans or other information submitted by Customer with respect to the location, type of occupancy, or other details of the work to be performed. In the event the layout of Customer's facilities has been altered, or is altered by Customer prior to the completion of the Work, Customer shall advise Company, and prices, delivery and completion dates shall be changed by Company as may be required.

19.Commodities Availability. Company shall not be responsible for failure to provide services, deliver products, or otherwise perform work required by this Agreement due to lack of available steel products or products made from plastics or other commodities. In the event Company is unable, after reasonable commercial efforts, to acquire and provide steel products, or products made from plastics or other commodities, if required to perform work required by this Agreement, Customer hereby agrees that Company may terminate the Agreement, or the relevant portion of the Agreement, at no additional

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cost and without penalty. Customer agrees to pay Company in full for all work performed up to the time of any such termination.

20.Project Claims. Any claim of failure to perform against Company arising hereunder shall be deemed waived unless received by Company, in writing specifically setting forth the basis for such claim, within ten (10) days after such claims arises.

21.Back charges. No charges shall be levied against Company unless seventy-two (72) hours prior written notice is given to Company to correct any alleged deficiencies which are alleged to necessitate such charges and unless such alleged deficiencies are solely and directly caused by Company.

22.System Equipment. The purchase of equipment or peripheral devices (including but not limited to smoke detectors, passive infrared detectors, card readers, sprinkler system components, extinguishers and hoses) from Company shall be subject to the terms and conditions of this Agreement. If, in Company's sole judgment, any peripheral device or other system equipment, which is attached to the Covered System(s), whether provided by Company or a third party, interferes with the proper operation of the Covered System(s), Customer shall remove or replace such device or equipment promptly upon notice from Company. Failure of Customer to remove or replace the device shall constitute a material breach of this Agreement. If Customer adds any third party device or equipment to the Covered System(s), Company shall not be responsible for any damage to or failure of the Covered System(s) caused in whole or in part by such device or equipment.

23.Reports. Where inspection and/or test services are selected, such inspection and/or test shall be completed on Company's then current Report form, which shall be given to Customer, and, where applicable, Company may submit a copy thereof to the local authority having jurisdiction. The Report and recommendations by Company are only advisory in nature and are intended to assist Customer in reducing the risk of loss to property by indicating obvious defects or impairments noted to the system and equipment inspected and/or tested. They are not intended to imply that no other defects or hazards exist or that all aspects of the Covered System(s), equipment, and components are under control at the time of inspection. Final responsibility for the condition and operation of the Covered System(s) and equipment and components lies with Customer.

24.Limited Warranty. Subject to the limitations below, Company warrants any equipment (as distinguished from the Software) installed pursuant to this Agreement to be free from defects in material and workmanship under normal use for a period of one (1) year from the date of first beneficial us or all or any part of the Covered System(s) or 18 months after Equipment shipments, whichever is earlier, provided however, that Company's sole liability, and Customer's sole remedy, under this limited warranty shall be limited to the repair or replacement of the Equipment or any part thereof, which Company determines is defective, at Company's sole option and subject to the availability of service personnel and parts, as determined by Company. Company warrants expendable items, including, but not limited to, video and print heads, television camera tubes, video monitor displays tubes, batteries and certain other products in accordance with the applicable manufacturer's warranty. Company does not warrant devices designed to fail in protecting the System, such as, but not limited to, fuses and circuit breakers. Company warrants that any Company software described in this Agreement, as well as software contained in or sold as part of any Equipment described in this Agreement, will reasonably conform to its published specifications in effect at the time of delivery and for ninety (90) days after delivery. However, Customer agrees and acknowledges that the software may have inherent defects because of its complexity. Company's sole obligation with respect to software, and Customer's sole remedy, shall be to make available published modifications, designed to correct inherent defects, which become available during the warranty period. If Repair Services are included in this Agreement, Company warrants that its workmanship and material for repairs made pursuant to this Agreement will be free from defects for a period of ninety (90) days from the date of furnishing.

EXCEPT AS EXPRESSLY SET FORTH HEREIN, COMPANY DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE SERVICES PERFORMED OR THE PRODUCTS, SYSTEMS OR EQUIPMENT, IF ANY, SUPPORTED HEREUNDER.

Warranty service will be performed during Company's normal working hours. If Customer requests warranty service at other than normal working hours, service will be performed at Company's then current rates for after ours services. All repairs or adjustments that are or may become necessary shall be performed by and authorized representative of Company. Any repairs, adjustments or interconnections performed by Customer or any third party shall void all warranties. Company makes no and specifically disclaims all representations or warranties that the services, products, software or third party product or software will be secure from cyber threats, hacking or other similar malicious activity, or will detect the presence of, or eliminate, treat, or mitigate the spread transmission, or outbreak of any pathogen, disease, virus or other contagion, including but not limited to COVID-19.

25.Indemnity. Customer agrees to indemnify, hold harmless and defend Company against any and all losses, damages, costs, including expert fees and costs, and expenses including reasonable defense costs, arising from any and all third party claims for personal injury, death, property damage or economic loss, including specifically any damages resulting from the exposure of workers to Hazardous Conditions whether or not Customer pre-notifies Company of the existence of said hazardous conditions, arising in any way from any act or omission of Customer or Company relating in any way to this Agreement, including but not limited to the Services under this Agreement, whether such claims are based upon contract, warranty, tort (including but not limited to active or passive negligence), strict liability or otherwise. Company reserves the right to select counsel to represent it in any such action.

26.Insurance. Customer shall name Company, its officers, employees, agents, subcontractors, suppliers, and representatives as additional insureds on Customer's general liability and auto liability policies.

27.Termination. Any termination under the terms of this Agreement shall be made in writing. In the event Customer terminates this Agreement prior to completion for any reason not arising solely from Company's performance or failure to perform, Customer understands and agrees that Company will incur costs of administration and preparation that are difficult to estimate or determine. Accordingly, should Customer terminate this Agreement as described

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above, Customer agrees to pay all charges incurred for products and equipment installed and services performed, and in addition pay an amount equal to twenty (20%) percent of the price of products and equipment not yet delivered and Services not yet performed, return all products and equipment delivered and pay a restocking fee of twenty (20%) percent the price of products or equipment returned. Company may terminate this Agreement immediately at its sole discretion upon the occurrence of any Event of Default as hereinafter defined. Company may also terminate this Agreement at its sole discretion upon notice to Customer if Company's performance of its obligations under this Agreement becomes impracticable due to obsolescence of equipment at Customer's premises or unavailability of parts.

28.Default. An Event of Default shall be (a) failure of Customer to pay any amount when due and payable, (b) abuse of the System or the Equipment, (c) dissolution, termination, discontinuance, insolvency or business failure of Customer. Upon the occurrence of an Event of Default, Company may pursue one or more of the following remedies: (i) discontinue furnishing Services and delivering Equipment, (ii)) by written notice to Customer declare the balance of unpaid amounts due and to become due under this Agreement to be immediately due and payable; (iii) receive immediate possession of any Equipment for which Customer has not paid; (iv) proceed at law or equity to enforce performance by Customer or recover damages for breach of this Agreement, and (v) recover all costs and expenses, including without limitation reasonable attorneys' fees, in connection with enforcing or attempting to enforce this Agreement.

29.Exclusions. Unless expressly included in the Scope of Work, this Agreement expressly excludes, without limitation, testing inspection and repair of duct detectors, beam detectors, and UV/IR equipment; provision of fire watches; clearing of ice blockage; draining of improperly pitched piping; replacement of batteries; recharging of chemical suppression systems; reloading of, upgrading, and maintaining computer software; system upgrades and the replacement of obsolete systems, equipment, components or parts; making repairs or replacements necessitated by reason of negligence or misuse of components or equipment or changes to Customer's premises, vandalism, corrosion (including but not limited to micro-bacterially induced corrosion ("MIC")), power failure, current fluctuation, failure due to non-Company installation, lightning, electrical storm, or other severe weather, water, accident, fire, acts of God or any other cause external to the Covered System(s). Repair Services provided pursuant to this Agreement do not cover and specifically excludes system upgrades and the replacement of obsolete systems, equipment, components or parts. All such services may be provided by Company at Company's sole discretion at an additional charge. If Emergency Services are expressly included in the scope of work section, the Agreement price does not include travel expenses.

30. No Option to Solicit. Customer shall not, directly or indirectly, on its own behalf or on behalf of any other person, business, corporation or entity, solicit or employ any Company employee, or induce any Company employee to leave his or her employment, for a period of two years after termination of this Agreement.

31.Force Majeure; Delays. Company shall not be liable, nor in breach or default of its obligations under this Agreement, for delays, interruption, failure to render services, or any other failure by Company to perform an obligation under this Agreement, where such delay, interruption or failure is caused, in whole or in part, directly or indirectly, by a Force Majeure Event. A "Force Majeure Event" is a condition or event that is beyond the reasonable control of Company, whether foreseeable or unforeseeable, including, without limitation, acts of God, severe weather (including but not limited to hurricanes, tornados, severe snowstorms or severe rainstorms), wildfires, floods, earthquakes, seismic disturbances, or other natural disasters, acts or omissions of any governmental authority (including change of any applicable law or regulation), epidemics, pandemics, disease, viruses, quarantines, or other public health risks and/or responses thereto, condemnation, strikes, lock-outs, labor disputes, an increase of 5% or more in tariffs or other excise taxes for materials to be used on the project, fires, explosions or other casualties, thefts, vandalism, civil disturbances, insurrection, mob violence, riots, war or other armed conflict (or the serious threat of same), acts of terrorism, electrical power outages, interruptions or degradations in telecommunications, computer, network, or electronic communications systems, data breach, cyber-attacks, ransomware, unavailability or shortage of parts, materials, supplies, or transportation, or any other cause or casualty beyond the reasonable control of Company. If Company's performance of the work is delayed, impacted, or prevented by a Force Majeure Event or its continued effects, Company shall be excused from performance under the Agreement. Without limiting the generality of the foregoing, if Company is delayed in achieving one or more of the scheduled milestones set forth in the Agreement due to a Force Majeure Event, Company will be entitled to extend the relevant completion date by the amount of time that Company was delayed as a result of the Force Majeure Event, plus such additional time as may be reasonably necessary to overcome the effect of the delay. To the extent that the Force Majeure Event directly or indirectly increases Company's cost to perform the services, Customer is obligated to reimburse Company for such increased costs, including, without limitation, costs incurred by Company for additional labor, inventory storage, expedited shipping fees, trailer and equipment rental fees, subcontractor fees or other costs and expenses incurred by Company in connection with the Force Majeure Event.

32.One-Year Claims Limitation; Choice of Law. For Customers located in the United States, the laws of Wisconsin shall govern the validity, enforceability, and interpretation of this Agreement**,** without regard to conflicts of law. For customers located in Canada, this agreement shall be governed by and be construed in accordance with the laws of Ontario. The parties agree that any disputes arising under this Agreement shall be determined exclusively by the Ontario courts and that no action or legal proceedings of any nature shall be filed or commenced in any other court pertaining to any dispute arising out of or in relation to this Agreement. The parties also hereby waive any objection to the exclusive jurisdiction of the Ontario courts, including any objection based on forum non conveniens. No claim or cause of action, whether known or unknown, shall be brought against Company more than one year after the claim first arose. Except as provided for herein, Company's claims must also be brought within one year. Claims not subject to the one-year limitation include claims for unpaid: (a) contract amounts, (b) change order amounts (approved or requested) and (c) delays and/or work inefficiencies.

33.Assignment. Customer may not assign this Agreement without Company's prior written consent.

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Company may assign this Agreement to an affiliate without obtaining Customer's consent.

34.Entire Agreement. The parties intend this Agreement, together with any attachments or Riders (collectively the "Agreement) to be the final, complete and exclusive expression of their Agreement and the terms and conditions thereof. This Agreement supersedes all prior representations, understandings or agreements between the parties, written or oral, and shall constitute the sole terms and conditions of sale for all equipment and services. No waiver, change, or modification of any terms or conditions of this Agreement shall be binding on Company unless made in writing and signed by an Authorized Representative of Company.

35.Severability. If any provision of this Agreement is held by any court or other competent authority to be void or unenforceable in whole or in part, this Agreement will continue to be valid as to the other provisions and the remainder of the affected provision.

36.Legal Fees. Company shall be entitled to recover from the customer all reasonable legal fees incurred in connection with Company enforcing the terms and conditions of this Agreement.

37.software and Digital Services. Use, implementation, and deployment of the software and hosted software products ("Software") offered under these terms shall be subject to, and governed by, Company's standard terms for such Software and Software related professional services in effect from time to time at https://www.johnsoncontrols.com/techterms (collectively, the "Software Terms"). Applicable Software Terms are incorporated herein by this reference. Other than the right to use the Software as set forth in the Software Terms, Company and its licensors reserve all right, title, and interest (including all intellectual property rights) in and to the Software and improvements to the Software. The Software that is licensed hereunder is licensed subject to the Software Terms and not sold. If there is a conflict between the other terms herein and the Software Terms, the Software Terms shall take precedence and govern with respect to rights and responsibilities relating to the Software, its implementation and deployment and any improvements thereto. Notwithstanding any other provisions of this Agreement and unless otherwise agreed to by the parties in writing, the following terms apply to Software that is provided to Customer on a subscription basis (i.e., a time limited license or use right), (each a "Software Subscription"): Each Software Subscription provided hereunder will commence on the date the initial credentials for the Software are made available (the "Subscription Start Date") and will continue in effect until the expiration of the subscription term noted herein. At the expiration of the Software Subscription, such Software Subscription will automatically renew for consecutive one (1) year terms (each a "Renewal Subscription Term"), unless either party provides the other party with a notice of non-renewal at least ninety (90) days prior to the expiration of the then-current term. To the extent permitted by applicable law, Software Subscriptions purchases are non-cancelable and the sums paid nonrefundable. Fees for Software Subscriptions shall be paid annually in advance, invoiced on the Subscription Start Date and each subsequent anniversary thereof. Unless otherwise agreed by the parties in writing, the subscription fee for each Renewal Subscription Term will be priced at JCI's then-applicable list price for that Software offering. Any use of Software that exceeds the scope, metrics or volume set forth in this Agreement will be subject to additional fees based on the date such excess use began.

38.Electronic Media. Electronic Media. Either party may scan, fax, email, image, or otherwise convert this Agreement into an electronic format of any type or form, now known or developed in the future. Any unaltered or unadulterated copy of this Agreement produced from such an electronic format will be legally binding upon the parties and equivalent to the original for all purposes, including litigation. JCI may rely upon Customer's assent to the terms and conditions of this Agreement, if Customer has signed this Agreement or demonstrated its intent to be bound whether by electronic signature or otherwise.

39.Lien Legislation. Notwithstanding anything to the contrary contained herein, the terms of this Agreement shall be subject to the lien legislation applicable to the location where the work will be performed, and, in the event of conflict, the applicable lien legislation shall prevail.

40.Privacy. Company as Processor: Where Company factually acts as Processor of Personal Data on behalf of Customer (as such terms are defined in the DPA) the terms at www.johnsoncontrols.com/dpa ("DPA") shall apply. **Company as Controller:** Company will collect, process and transfer certain personal data of Customer and its personnel related to the business relationship between it and Customer (for example names, email addresses, telephone numbers) as controller and in accordance with Company's Privacy Notice at https://www.johnsoncontrols.com/privacy. Customer acknowledges Company's Privacy Notice and strictly to the extent consent is mandatorily required under applicable law, Customer consents to such collection, processing and transfer. To the extent consent to such collection, processing and transfer by Company is mandatorily required from Customer's personnel under applicable law, Customer warrants and represents that it has obtained such consent.

41.License Information (Security System Customers): AL Alabama Electronic Security Board of Licensure 7956 Vaughn Road, Pmb 392, Montgomery, Alabama 36116 (334) 264-9388: AR Regulated by: Arkansas Board of Private Investigators And Private Security Agencies, #1 State Police Plaza Drive, Little Rock 72209 (501)618-8600: CA Alarm company operators are licensed and regulated by the Bureau of Security and Investigative Services, Department of Consumer Affairs, Sacramento, CA, 95814. Upon completion of the installation of the alarm system, the alarm company shall thoroughly instruct the purchaser in the proper use of the alarm system. Failure by the licensee, without legal excuse, to substantially commence work within 20 days from the approximate date specified in the agreement when the work will begin is a violation of the Alarm Company Act: NY Licensed by N.Y.S. Department of the State: TX Texas Commission on Private Security, 5805 N. Lamar Blvd., Austin, 78752-4422, 512-424-7710.License numbers available at www.johnsoncontrols.com or contact your local Johnson Controls office.

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IMPORTANT NOTICE TO CUSTOMER

This Agreement is contingent on credit approval, which may be checked at JCI's discretion and requires final approval of a JCI authorized manager before any equipment/ services may be provided. Should credit and/or approval be declined, this Agreement will be terminated and JCI's only obligation to customer will be to notify Customer of such termination and refund any amounts paid in advance. In accepting this Proposal, Customer agrees to the terms and conditions contained herein and any attachments or riders attached hereto that contain additional terms and conditions. It is understood that these terms and conditions shall prevail over any variation in terms and conditions on any purchase order or other document that the Customer may issue. Any changes in the system requested by the Customer after the execution of this Agreement shall be paid for by Customer and such changes shall be authorized in writing. **ATTENTION IS DIRECTED TO THE LIMITATION OF LIABILITY, WARRANTY, INDEMNITY AND OTHER CONDITIONS ON THE PRECEDING PAGES. This proposal shall be void if not accepted in writing within 30 days from the date of the Proposal.**

For Customers located in Canada, this Fire Domain Sale and Installation Agreement has been drawn up and executed in English at the request of and with the full concurrence of Customer. Ce contrat a été rédigé en anglais à la demande et avec l'assentiment du client.

Offered By:	Accepted By: (Customer)
Johnson Controls Fire Protection LP	Company: _____
1350 North Meadow Drive Suite 100	Address: _____
Roswell , GA 30340	Signature: _____
Telephone:	Title: _____
Representative: _____	Date: _____
Email: patrick.burkett@jci.com	

Pricing is based upon the following billing and payment terms: Invoices will be delivered via email, payment due date of NET 30, including a deposit invoice for 30%, and invoices are to be paid via ACH/EFT bank transfer. Johnson Controls ACH/EFT bank transfer details will be forth coming upon contractual agreement
This offer shall be void if not accepted in writing within thirty (30) days from the date first set forth above.

To ensure that JCI is compliant with your company's billing requirements, please provide the following information:

PO is required to facilitate billing:	☐	NO: This signed contract satisfies requirement
	☐	YES: Please reference this PO Number: _____
AR Invoices are accepted via e-mail:	☐	YES: E-mail address to be used: _____
	☐	NO: Please submit invoices via mail
	☐	NO: Please submit invoices via _____

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Johnson Controls Fire Protection LP
1350 Northmeadow Pkwy Ste 100
Roswell , GA 30076

Johnson Controls Fire Protection LP Quotation

To:
Electrical Contractor Incorporated
8141-D Technology Dr.
Covington, GA 30014

Project: E.L. Miller ES FA - CPQ-241346
Johnson Controls Reference: 650241346
Proposal #: 1
Date: 02/13/2023

Johnson Controls is pleased to offer for your consideration this quotation for the above project

Scope of Work

E.L. Miller

Fire Alarm

Thank you for allowing Johnson Controls to provide a Proposal for the E.L Miller ES Project. This proposal includes the equipment as listed below as well as demolition of the devices shown in the demo drawings. In addition, our quotation includes a submittal package, shop drawings, panel terminations, system programming, acceptance testing, and close out documentation to include NFPA 72 record of completion.

Johnson Controls Fire Protection will provide SIMPLEX FA and labor for the items named below. All systems provided are up to date equipment and can grow with this customer's needs.

Please Contact Jesse Fritz at 843-872-4827 if you have any questions.

Project Breakout Fire Alarm:
Plan & Spec project with Addressable Voice System

Inclusions:

We have considered:

- 4100ES Panel with DACT
- Dialer with AIM
- Class B IDNAC and IDNET

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- Fully sprinklered building
- Single action MCP with STI cover
- Weatherproof devices in areas mentioned as Wet Area
- Multichannel system with 50W digital amplifier
- 3 areas with gym in our scope for fire alarm system estimation.
- DD with relay (4098-9756) along with weatherproof enclosure for DOAS
- DD with relay (4098-9756) for 1 AHU as per HVAC plans
- 2 DD with relay (4098-9756) shown in Multipurpose gymnasium area
- Additional notification devices in plans as per coverage requirement & code requirement based on mail confirmation
- Red color notification devices
- 1 Annunciator as per plans
- 1AIM for KHSS
- 1RIAM for gas shut off.
- Set of WF/TS as per area coverage.
- Wire guard for smoke detectors in Multipurpose gymnasium area
- (1) AOM for cafeteria sound system as per specification section 27 01 00 Part 4
- (1) AOM for intercom interconnection as per specification section 27 01 00 Part 1.01 D.

Exclusions:

We have not considered:

- Any third-party interface other than mentioned in Inclusion list
- printer
- Interface for intercom
- Interface for AHU-3 (M202 Layout) as per HVAC plan, as smoke detector not shown in HVAC plans, assuming CFM will be less than 2000.
- Spare parts
- Zone chart

Johnson Controls is not responsible for the design of this project. Additional devices may be deemed necessary by the AHJ, a change-order will be made.

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Roswell , GA 30076

JCI is responsible for the wire & device installation and terminations. JCI is also responsible for the demo of the FA devices shown in the demo drawings, not including any conduit or backboxes that need to be removed. If additional demo services are required for items not shown in the electrical Demo drawings, a change order will be needed.

The Mechanical Contractor is responsible for installing the JCI provided duct detectors.

The electrical contractor will provide and install all conduit and boxes (including the installation of fiber between buildings and any Johnson Controls provided weatherproof boxes and cabinets), pull strings, flexible piping, box blank covers, electrical breakers, terminal cabinets, breaker locks.

If AHJ determines that testing above and beyond the acceptance testing is required a change-order will be made to reflect extra technician time.

THIS PROPOSAL IS BASED UPON THOSE ITEMS DENOTED BY [X]":
[X] Specification section: Division 28 Dated 2/7/22
[X] ISSUE FOR PERMIT 12/17/21 Project#20046

THIS QUOTATION INCLUDES ONLY THOSE ITEMS DENOTED BY "[X]":
[X] Georgia State Sales Tax
[X] Freight (F.O.B. shipping point)
[X] Shop Drawings/As-Builts - Electronic CAD files for generating shop drawings to be provided by others.
[X] Cable termination of all control panels and notification power supplies.
[X] Technical installation support including programming
[X] Permit
[X] 1 - 100% test with accepting authority (AHJ).
[X] NFPA certification documentation to include NFPA 72 Record of Completion.
[X] One-year standard warranty.
[X] End user orientation.

THIS QUOTATION DOES NOT INCLUDE THE FOLLOWING:

Phased Checkout
Raceway, standard electric boxes
120vac power
Fire protection switches or gas solenoids
Phone lines

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Roswell , GA 30076

Remote station monitoring contract (available upon request)
Knox box
Payment/Performance Bonds
Cutting, drilling, patching, fire caulking or painting
Fire watch
On Site Project Manager
Replacement of Smoke Detectors that are dirty or outside of sensitivity range at completion of project.
No asbestos abatement is identified, expected or included in this contract. All policies and procedures referenced in the specification will be followed as required.
No Lead paint abatement is identified, expected or included in this contract. All policies and procedures referenced in the specification will be followed as required.
Cost for CAD files
This quotation is based on the demolition noted in the drawings. If additional demolition is required a change order will be needed.

It is Johnson Controls understanding that these drawings and specifications represent the work to be accomplished in its entirety and no additional work or materials is expected or required. This quote covers direct costs only and we reserve the right to claim for impact and consequential costs.

ADDITIONAL NOTES:
If Johnson Controls is awarded this project we will need:
· A complete set of bid documents including specifications and any addendums
· An electronic CAD file in AutoCAD shall be sent to jesse.fritz2jci.com or mailed to the branch address on this quote.
· A complete schedule
· A copy of the "Notice of Commitment"
· Your P.O. or contract will need to reference this proposal # and amount. This proposal and its terms and condition shall take precedence. Your Purchase Order or contract is subject to review and must be mutually agreeable.

Quotation is valid for a period of 30 days ONLY unless modified in writing by Johnson Controls.

All work is to be performed during normal Johnson Controls hours of 8am to 5pm Monday through Friday.

We reserve the right to correct this quote for errors and omissions.

As stated above, Johnson Controls will perform the work pursuant to the attached Terms and Conditions. Should the parties fail to execute a mutually agreeable definitive agreement, all work performed by Johnson Controls on or related to the above captioned project (with the exception of any monitoring services anticipated, which will only be performed pursuant to the

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Roswell , GA 30076

unaltered terms and conditions of Johnson Controls standard Monitoring Agreement) will be performed pursuant to the attached Terms and Conditions

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QTY	MODEL NUMBER	DESCRIPTION
	E.L MILLER ELEMENTARY SCHOOL	
	FACP	
1	4100-9701	ES-PS MSTR CTRLR 2X40
1	4100-9621	BASIC AUDIO W/MIKE-DIGITAL
1	4100-6080	SERIAL DACT SIDE MOUNT
1	41002153	3Bay Glass Dr Pkg Factory Only
1	4100-1294	LED/SWITCH SLIDE-IN LABEL KIT
1	4100-2320	AUDIO EXPANSION BAY
1	4100-1241	MESSAGE EXPANSION, 8 MINUTES
1	41002163	INDICATOR ONLY 3 BAY SOLID
1	4100-1280	8 SWITCH, 8 RED LED MODULE
4	4100-5451	IDNAC CARD
1	4100-3117	MSTR CTLR IDNET2, FACTORY ONLY
1	41007905	FACTORY BUILT-MAIN CONFIGURED
5	4100-0644	120V ES-PS PDM HARNESS
1	4100-1327	FLEX 50W AMP W/3 NACS - 70V
2	4100-0634	POWER DISTRIBUTION MODULE 120V
1	4100-1255	AUDIO IF 3-8 CHANNEL
1	4100-1288	64/64 LED/SWITCH CONTROLLER
3	4100-2300	EXPANSION BAY (PHASE 10 ONLY)
2	4100-0011	FACTORY USE ONLY-AUDIO SHIPKIT
2	4100-5128	BATTERY DIST TERM MODULE
12	4100-1279	2 BLANK DISPLAY MODULE
4	4100-5401	ES-PS POWER SUPPLY
1	4100-0636	BOX TO BOX HARNESS KIT
1	4100-0637	AUDIO BOX TO BOX HARNESS KIT
	INITIATING DEVICES	
22	4099-9004	STATION-LED, SA ADDR
23	4098-9714	PHOTO SENSOR
23	4098-9792	SENSOR BASE
6	2098-9715	SMOKE DETECTOR WIRE GUARD
6	4098-9756	DUCT SENSOR HOUSING-4-WIRE

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QTY	MODEL NUMBER	DESCRIPTION
6	4098-9856	"SAMPLING TUBE 49"", PLASTIC"
6	2098-9806	REMOTE TEST STATION
6	4081-9008	EOL, 10K 1/2W
8	4090-9001	SUPERVISED IAM
8	4090-9807	COVER-ADDRESS MODULE SURFACE
8	4081-9004	EOL, 6.8K 1/2W
8	4090-9810	BRACKET, IAM
4	4090-9002	RELAY IAM
4	4090-9802	COVER-ADDRESS MODULE SURFACE
22	STI-1100	STOPPER II W/ HORN FLUSH MOUNT
	NOTIFICATION DEVICES	
29	49SV-APPLC	SPKR/VIS APPLIANC ONLY CEILING
35	49SVC-CRFIRE	SV COVER CEIL RED FIRE
4	49SVH-APPLC	SV HICD APPLIANCE ONLY CEILING
2	49SVH-APPLC-O	SV HICD APPL ONLY CEILING WP
2	49WPBB-SVWR	WEATHERPF BB SPKR/VIS WALL RED
4	49SV-APPLW	SPKR/VIS APPL ONLY WALL
4	49SVC-WRFIRE	SV COVER WALL RED FIRE
4	49MP-SVWR	SV MOUNTING PLATE WALL RED
4	49WG-SVWCR	WIREGUARD,SPKR/VISIBLE,W/C,RED
62	49VO-APPLC	VO APPLIANCE ONLY CEILING
82	49VOC-CRF	VO COVER, CEILING RED FIRE
20	49VOH-APPLC	VO HICD APPLIANCE ONLY CEILING
5	49VOH-APPLC-O	VO HICD CEIL APPL ONLY WP
5	49VOC-CRF-O	VO COVER CEIL RED FIRE WP
5	49WPBB-VOCR	WP BACKBOX, VO CEILING, RED
5	49VO-WRF	VO Wall Red FIRE
	Internal Labor	
	DSGN LAB	DESIGN LABOR
	CAD LAB	CAD LABOR
	PM LAB	PROJECT/CONSTRUCTION MGMT
	COMM LAB	COMMISSIONING LABOR
	INST LAB	INSTALLATION LABOR

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QTY	MODEL NUMBER	DESCRIPTION
	PANEL ACCESSORIES	
1	2975-9443	3 BAY BB/GDOOR/DRESS PNL RED
1	2975-9449	3 BAY BOX & SOLID DOOR RED
2	2081-9287	BATTERY 25AH
2	2081-9296	BATTERY 50AH
1	4100-0650	BATTERY SHELF
1	E120V-GT	120V HYBRID SRG PROTECT
	SYSTEM ACCESSORIES	
1	4603-9101	LCD ANNUNCIATOR
2	2081-9028	TRANSIENT CUBE FOR MAPNET I,II
2	2081-9044	OVERVOLTAGE SUPPRESSOR
2	DTK-2MHLP75BWB	Modular Surge Protector with L
1	LE4010CF-AT	AT&T LTE UNIVERSAL CELLULAR FI
1	SSU00625	CAB DOC STORAGE AS BUILT RED
	District Purchase	
1	DPIM	INSTALLATION MATERIALS
14	DPFA	Wire
	Subcontract	
	DPSVC	DP SVCS (PERMITS/FEES/BONDS)

Total net selling price, FOB shipping point, $185,002.50

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For Customers located in Canada, this Fire Domain Sale and Installation Agreement has been drawn up and executed in English at the request of and with the full concurrence of Customer. Ce contrat a été rédigé en anglais à la demande et avec l'assentiment du client.

Unless otherwise agreed to by the parties, pricing is based upon the following billing and payment terms: Invoices will be delivered via email, payment due date of NET 30, deposit for a minimum of 30% of the sell price, and the invoices are to be paid via ACH/EFT bank transfer. Johnson Controls ACH/EFT bank transfer details will be forth coming upon contractual agreement.
This offer shall be void if not accepted in writing within thirty (30) days from the date first set forth above.

To ensure that JCI is compliant with your company's billing requirements, please provide the following information:

PO is required to facilitate billing:
- ☐ NO: This signed contract satisfies requirement
- ☐ YES: Please reference this PO Number: _____

AR Invoices are accepted via e-mail:
- ☐ YES: E-mail address to be used: _____
- ☐ NO: Please submit invoices via mail
- ☐ NO: Please submit invoices via _____

Offered By:	Accepted By: (Customer)
Johnson Controls Fire Protection LP	Company: _____
1350 Northmeadow Pkwy Ste 100	Address: _____
Roswell , GA 30076	Signature: _____
Telephone:	Title: _____
Representative: _____	Date: _____
Email: jesse.fritz@jci.com	

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TERMS AND CONDITIONS (Rev. 9/22)

1. Payment and Invoicing. All payments are due net thirty (30) days from the date of invoice. Invoices shall be paid by Customer via electronic delivery via EFT/ ACH. Invoicing disputes must be identified in writing within 21 days of the invoice date. Payments of any disputed amounts are due and payable upon resolution. All other amounts remain due within thirty (30) days from the date of the invoice. Work performed on a time and material basis shall be at Company's then-prevailing rate for material, labor, and related items, in effect at the time supplied under this Agreement. Company shall invoice Customer for progress payments to 100% percent based upon equipment delivered or stored, and services performed. In the event project duration exceeds one month, Company reserves the right to submit partial invoices for progress payments for work completed at the project site. Customer agrees to pay any progress invoices in accordance with the payment terms set forth herein. In exchange for close-out documents to be provided by Company, Customer agrees to pay Company the remaining project balance when on-site labor is completed and prior to any final inspections. Customers without established satisfactory credit and Customers who fail to pay amounts when due may be required to make payments of cash in advance, upon delivery or as otherwise specified by Company. Company reserves the right to revoke or modify Customer's credit in its sole discretion. Customer acknowledges and agrees that timely payments of the full amounts listed on invoices is an essential term of this Agreement and that Customer's failure to make payment when due is a material breach of this Agreement. Customer further acknowledges that if there is any amount outstanding on an invoice, it is material to Company and will give Company, without prejudice to any other right or remedy, the right to, without notice: (i) suspend, discontinue or terminate performing any services and/or withhold further deliveries of equipment and other materials, terminate or suspend any unpaid software licenses, and/or suspend Company's obligations under or terminate this Agreement; and (ii) charge Customer interest on the amounts unpaid at a rate equal to the lesser of one and one half (1.5) percent per month or the maximum rate permitted under applicable law, until payment is made in full. Company's election to continue providing future services does not, in any way diminish Company's right to terminate or suspend services or exercise any or all rights or remedies under this Agreement. Company shall not be liable for any damages, claims, expenses, or liabilities arising from or relating to suspension of services for non-payment. In the event that there are exigent circumstances requiring services or the Company otherwise performs services at the premises following suspension, those services shall be governed by the terms of this Agreement unless a separate contract is executed. If Customer disputes any late payment notice or Company's efforts to collect payment, Customer shall immediately notify Company in writing and explain the basis of the dispute. Customer agrees to pay all of Company's reasonable collection costs, including legal fees and expenses.

2. Deposit. Unless prohibited by law, Customer agrees to pay a deposit for a minimum of 30% of the project sell price (pre-tax) prior to Company providing any labor or materials on the project. Company will generate an invoice for the deposit after Company's receipt of a written agreement or order from Customer. Company will not commence work until receipt of the deposit.

3. Pricing. The pricing set forth in this Agreement is based on the number of devices to be installed and services to be performed as set forth in the Scope of Work ("Equipment" and "Services"). If the actual number of devices installed or services to be performed is greater than that set forth in the Scope of Work, the price will be increased accordingly. If this Agreement extends beyond one year, Company may increase prices upon notice to the Customer.

All stated prices are exclusive of and Customer agrees to pay any taxes, fees, duties, tariffs, false alarm assessments, installation or alarm permits, and levies or other similar charges imposed and/ or enacted by a government, however designated or imposed, including but not limited to value-added and withholding taxes that are levied or based upon the amounts paid under this Agreement.

Prices in any quotation or proposal from Company are subject to change upon notice sent to Customer at any time before the quotation or proposal has been accepted. Prices for products covered by this Agreement may be adjusted by Company, upon notice to Customer at any time prior to shipment and regardless of Customer's acceptance of the Company's proposal or quotation, to reflect any increase in Company's cost of raw materials (e.g., steel, aluminum) inability to secure Products, changes or increases in law, labor, taxes, duties, tariffs or quotas, acts of government, any similar charges, or to cover any extra, unforeseen and unusual cost elements.

4. Alarm Monitoring Services. Any reference to alarm monitoring services in this Agreement is included for pricing purposes only. Alarm monitoring services are performed pursuant to the terms and conditions of Company's standard alarm monitoring services agreement.

5. Code Compliance. Company does not undertake an obligation to inspect for compliance with laws or regulations unless specifically stated in the Scope of Work. Customer acknowledges that the Authority Having Jurisdiction (e.g. Fire Marshal) may establish additional requirements for compliance with federal, state/provincial and local codes. Any additional services or equipment required will be provided at an additional cost to Customer.

6.Limitation of Liability; Limitations of Remedy. It is understood and agreed by the Customer that Company is not an insurer and that insurance coverage shall be obtained by the Customer and that amounts payable to company hereunder are based upon the value of the services and the scope of liability set forth in this Agreement and are unrelated to the value of the Customer's property and the property of others located on the premises. Customer agrees to look exclusively to the Customer's insurer to recover for injuries or damage in the event of any loss or injury and that Customer releases and waives all right of recovery against Company arising by way of subrogation. Company makes no guaranty or Warranty, including any implied warranty of merchantability or fitness for a particular purpose that equipment or services supplied by Company will detect or avert occurrences or the consequences therefrom that the equipment or service was designed to detect or avert. It is impractical and extremely difficult to fix the actual damages, if any, which may proximately result from failure on the part of Company to perform any of its obligations under this Agreement. Accordingly, Customer agrees that, Company shall be exempt from liability for any loss, damage or injury arising directly or indirectly from occurrences, or the consequences therefrom, which the equipment or service was designed to detect or avert. Should Company be found liable for any loss, damage or injury arising from a failure of the equipment or service in any respect, Company's liability shall be limited to an amount equal to the Agreement price (as increased by the price for any additional work) or where the time and material payment term is selected, Customer's time and material payments to Company to be calculated with reference to payments made at the time the loss is sustained. Where this Agreement covers multiple sites,

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liability shall be limited to the amount of the payments allocable to the site where the incident occurred. Such sum shall be complete and exclusive. In no event shall Company be liable for any damage, loss, injury, or any other claim arising from any servicing, alterations, modifications, changes, or movements of the Covered System(s) or any of its component parts by Customer or any third party. To the maximum extent permitted by law, in no event shall Company and its affiliates and their respective personnel, suppliers and vendors be liable to Customer or any third party under any cause of action or theory of liability, even if advised of the possibility of such damages, for any (a) special, incidental, consequential, punitive or indirect damages of any kind; (b) loss of profits, revenues, data, customer opportunities, business, anticipated savings or goodwill; (c) business interruption; or (d) data loss or other losses arising from viruses, ransomware, cyber-attacks or failures or interruptions to network systems. The limitations of liability set forth in this Agreement shall inure to the benefit of all parents, subsidiaries and affiliates of Company, whether direct or indirect, Company's employees, agents, officers and directors.

7. Reciprocal Waiver of Claims (SAFETY Act). Certain of Company's systems and services have received Certification and/or Designation as Qualified Anti-Terrorism Technologies ("QATT") under the Support Anti-terrorism by Fostering Effective Technologies Act of 2002, 6 U.S.C. §§ 441-444 (the "SAFETY Act"). As required under 6 C.F.R. 25.5 (e), to the maximum extent permitted by law, Company and Customer hereby agree to waive their right to make any claims against the other for any losses, including business interruption losses, sustained by either party or their respective employees, resulting from an activity resulting from an "Act of Terrorism" as defined in 6 C.F.R. 25.2, when QATT have been deployed in defense against, response to, or recovery from such Act of Terrorism.

8. General Provisions. Customer has selected the service level desired after considering and balancing various levels of protection afforded, and their related costs. All work to be performed by Company will be performed during normal working hours of normal working days (8:00 a.m. – 5:00 p.m., Monday through Friday, excluding Company holidays), as defined by Company, unless additional times are specifically described in this Agreement. Company will perform the services described in the Scope of Work section ("Services") for one or more system(s) or equipment as described in the Scope of Work section or the listed attachments ("Covered System(s)"). The Customer shall promptly notify Company of any malfunction in the Covered System(s) which comes to Customer's attention. This Agreement assumes the Covered System(s) are in operational and maintainable condition as of the Agreement date. If, upon initial inspection, Company determines that repairs are recommended, repair charges will be submitted for approval prior to any work. Should such repair work be declined Company shall be relieved from any and all liability arising therefrom. UNLESS OTHERWISE SPECIFIED IN THIS AGREEMENT, ANY INSPECTION(AND, IF SPECIFIED, TESTING)PROVIDED UNDER THIS AGREEMENT DOES NOT INCLUDE ANY MAINTENANCE, REPIARS, ALTERATIONS , REPLACEMENT OF PARTS, OR ANY FIELD ADJUSTMENT WHATSOVER, NONR DOES IT INCLUDE THE COREECTION OF ANY DEFICIENCIES IDENTIFIES BY COMPANY TO CUSTOMER. COMPANY SHALL NOT BE RESPONSIBLE FOR EQUIPMENT FAILURE OCCURING WHILE COMPANY IS IN THE PROCESS OF FOLLOWING ITS INSPECTION TECHNIQUES, WHERE THE FAILURE ALSO RESULTS FROM THE AGE OR OBSOLESCENCE OF THE ITEM OR DUE TO NORMAL WEAR AND TEAM. THIS AGREEMENT DOES NOT COVER SYSTEMS, EQIPMENT, COMPONENTS OR PART THAT ARE BELOW GRADE, BEHIND WALLS OR OTHER OBSTRUCTIONS OR EXTERIOR TO THE BUILDING, ELECTRICAL WIRING AND PIPING.

9. Customer Responsibilities. Customer shall furnish all necessary facilities for performance of its work by Company, adequate space for storage and handling of materials, light, water, heat, heat tracing, electrical service, local telephone, watchman, and crane and elevator service and necessary permits. Where wet pipe system is installed, Customer shall supply and maintain sufficient heat to prevent freezing of the system. Customer shall promptly notify Company of any malfunction in the Covered System(s) which comes to Customer's attention. This Agreement assumes any existing system(s) are in operational and maintainable condition as of the Agreement date. If, upon initial inspection, Company determines that repairs are recommended, repair charges will be submitted for approval prior to any work. Should such repair work be declined Company shall be relieved from any and all liability arising therefrom. Customer shall further:

- supply required schematics and drawings unless they are to be supplied by Company in accordance with this Agreement;
- Provide a safe work environment, in the event of an emergency or Covered System(s) failure, take reasonable safety precautions to protect against personal injury, death, and property damage, continue such measures until the Covered System(s) are operational, and notify Company as soon as possible under the circumstances.
- Provide Company access to any system(s) to be serviced,
- Comply with all laws, codes, and regulations pertaining to the equipment and/or services provided under this Agreement.
- Customer is solely responsible for the establishment, operation, maintenance, access, security and other aspects of its computer network ("Network") and shall supply Company secure Network access for providing its services. Products networked, connected to the internet, or otherwise connected to computers or other devices must be appropriately protected by Customer and/or end user against unauthorized access. Customer is responsible to take appropriate measures, including performing back-ups, to protect information, including without limit data, software, or files (collectively "Data") prior to receiving the service or products.

10. Excavation. In the event the Work includes excavation, Customer shall pay, as an extra to the contract price, the cost of any additional work performed by Company dues to water, quicksand, rock or other unforeseen condition or obstruction encountered or shoring required.

11. tructure and Site Conditions. While employees of Company will exercise reasonable care in this respect, Company shall be under not responsibility for loss or damage due to the character, condition or use of foundations, walls, or other structures not erected by Company or resulting from the excavation in proximity thereto, or for damage resulting from concealed piping, wiring, fixtures, or other equipment or condition of water pressure. All shoring or protection of foundation, walls or other structures subject to being disturbed by any excavation required hereunder shall be the responsibility of Customer. Customer shall have all things in readiness for installation including, without limitation, structure to

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support the sprinkler system and related equipment (including tanks), other materials, floor or suitable working base, connections and facilities for erection at the time the materials are delivered. In the event Customer fails to have all things in readiness at the time scheduled for receipt of materials, Customer shall reimburse Company for all expenses caused by such failure. Failure to make areas available to Company during performance in accordance with schedules that are the basis for Company's proposal shall be considered a failure to have things in readiness in accordance with the terms of this Agreement.

12. Confined Space. If access to confined space by Company is required for the performance of Services, Services shall be scheduled and performed in accordance with Company's then-current hourly rate.

13**. Hazardous Materials.** Customer represents that, except to the extent that Company has been given written notice of the following hazards prior to the execution of this Agreement, to the best of Customer's knowledge there is no:

- Space in which work must be performed that, because of its construction, location, contents or work activity therein, accumulation of a hazardous gas, vapor, dust or fume or the creation of an oxygen-deficient atmosphere may occur,
- "permit confined space," as defined by OSHA for work performed by Company in the United States,
- risk of infectious disease,
- need for air monitoring, respiratory protection, or other medical risk,
- asbestos, asbestos-containing material, formaldehyde or other potentially toxic or otherwise hazardous material contained in or on the surface of the floors, walls, ceilings, insulation or other structural components of the area of any building where work is required to be performed under this Agreement.

All of the above are hereinafter referred to as "Hazardous Conditions". Company shall have the right to rely on the representations listed above. If hazardous conditions are encountered by Company during the course of Company's work, the discovery of such materials shall constitute an event beyond Company's control and Company shall have no obligation to further perform in the area where the hazardous conditions exist until the area has been made safe by Customer as certified in writing by an independent testing agency, and Customer shall pay disruption expenses and re-mobilization expenses as determined by Company. This Agreement does not provide for the cost of testing involving a discharge or release, capture, containment, transport, removal, or disposal (collectively, the "Discharge Services") of any hazardous waste materials, hazardous materials, or firefighting materials including without limitation firefighting foam encountered in and/or discharged from any of the Covered System(s) and/or during performance of the Services. Said materials shall at all times remain the responsibility and property of Customer. Customer shall be responsible for any Discharge Services associated with such materials, including all discharged firefighting foam in accordance with all applicable law. Company shall not be responsible for the testing, removal or disposal of such hazardous materials. Customer shall indemnify and hold Company harmless from and against any and all claims, demands and/or damages arising in whole or in part from the use of or any Discharge Services associated with any hazardous waste, hazardous materials, or firefighting materials including without limitation firefighting foam encountered or discharged from any of the Covered System(s) and/or during performance of the Services.

14. COVID-19 Vaccination. Company expressly disclaims any requirement, understanding or agreement, express or implied, included directly or incorporated by reference, in any Customer purchase order, solicitation, notice or otherwise, that any of Company's personnel be vaccinated against Covid-19 under any federal, state/provincial or local law, regulation or order applicable to government contracts or subcontracts, including, without limitation, Presidential Executive Order 14042 ("Ensuring Adequate COVID Safety Protocols for Federal Contractors") and Federal Acquisition Regulation (FAR) 52.223-99 ("Ensuring Adequate COVID Safety Protocols for Federal Contractors"). Any such requirement shall only apply to Company's personnel if and only to the extent contained in a written agreement physically signed by an authorized officer of Company.

15. Occupational Health and Safety/OSHA Compliance. Customer shall indemnify and hold Company harmless from and against any and all claims, demands and/or damages arising in whole or in part from the enforcement of applicable laws regarding occupational health and safety for work performed in Canada or the Occupational Safety Health Act for work performed by Company in the United States. (and any amendments or changes thereto) unless said claims, demands or damages are a direct result of causes within the exclusive control of Company.

16. Interferences. Customer shall be responsible to coordinate the work of other trades (including but not limited to ducting, piping, and electrical) and for and additional costs incurred by Company arising out of interferences to Company's work caused by other trades.

17. Modifications and Substitutions. Company reserves the right to modify materials, including substituting materials of later design, providing that such modifications or substitutions will not materially affect the performance of the Covered System(s).

18. Changes, Alterations, Additions. Changes, alterations and additions to the Scope of Work, plans, specifications or construction schedule shall be invalid unless approved in writing by Company. Should changes be approved by Company, that increase or decrease the cost of the work to Company, the parties shall agree, in writing, to the change in price prior to performance of any work. However, if no agreement is reached prior to the time for performance of said work, and Company elects to perform said work so as to avoid delays, then Company's estimate as to the value of said work shall be deemed accepted by Customer. In addition, Customer shall pay for all extra work requested by Customer or made necessary because of incompleteness or inaccuracy of plans or other information submitted by Customer with respect to the location, type of occupancy, or other details of the work to be performed. In the event the layout of Customer's facilities has been altered, or is altered by Customer prior to the completion of the Work, Customer shall advise Company, and prices, delivery and completion dates shall be changed by Company as may be required.

19. Commodities Availability. Company shall not be responsible for failure to provide services, deliver products, or otherwise perform work required by this Agreement due to lack of available steel products or products made from plastics or other commodities. In the event Company is unable, after reasonable commercial efforts, to acquire and provide steel products, or products made from plastics or other commodities, if required to perform work required by this Agreement, Customer hereby agrees that Company may terminate the Agreement, or the relevant portion of the Agreement, at no additional cost and without penalty. Customer agrees to pay Company in full for all work performed up to the time of any such termination.

20. Project Claims. Any claim of failure to perform against Company arising hereunder shall be deemed waived unless received by Company, in writing specifically setting forth the basis for such claim, within ten (10) days after such claims arises.

21. Back charges. No charges shall be levied against Company unless seventy-two (72) hours prior written notice is given to Company to correct any alleged deficiencies which are alleged to necessitate such charges and unless such alleged deficiencies are solely and directly caused by Company.

22. System Equipment. The purchase of equipment or peripheral devices (including but not limited to smoke detectors, passive infrared detectors, card

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readers, sprinkler system components, extinguishers and hoses) from Company shall be subject to the terms and conditions of this Agreement. If, in Company's sole judgment, any peripheral device or other system equipment, which is attached to the Covered System(s), whether provided by Company or a third party, interferes with the proper operation of the Covered System(s), Customer shall remove or replace such device or equipment promptly upon notice from Company. Failure of Customer to remove or replace the device shall constitute a material breach of this Agreement. If Customer adds any third party device or equipment to the Covered System(s), Company shall not be responsible for any damage to or failure of the Covered System(s) caused in whole or in part by such device or equipment.

22. Reports. Where inspection and/or test services are selected, such inspection and/or test shall be completed on Company's then current Report form, which shall be given to Customer, and, where applicable, Company may submit a copy thereof to the local authority having jurisdiction. The Report and recommendations by Company are only advisory in nature and are intended to assist Customer in reducing the risk of loss to property by indicating obvious defects or impairments noted to the system and equipment inspected and/or tested. They are not intended to imply that no other defects or hazards exist or that all aspects of the Covered System(s), equipment, and components are under control at the time of inspection. Final responsibility for the condition and operation of the Covered System(s) and equipment and components lies with Customer.

23. Limited Warranty. Subject to the limitations below, Company warrants any equipment (as distinguished from the Software) installed pursuant to this Agreement to be free from defects in material and workmanship under normal use for a period of one (1) year from the date of first beneficial us or all or any part of the Covered System(s) or 18 months after Equipment shipments, whichever is earlier, provided however, that Company's sole liability, and Customer's sole remedy, under this limited warranty shall be limited to the repair or replacement of the Equipment or any part thereof, which Company determines is defective, at Company's sole option and subject to the availability of service personnel and parts, as determined by Company. Company warrants expendable items, including, but not limited to, video and print heads, television camera tubes, video monitor displays tubes, batteries and certain other products in accordance with the applicable manufacturer's warranty. Company does not warrant devices designed to fail in protecting the System, such as, but not limited to, fuses and circuit breakers. Company warrants that any Company software described in this Agreement, as well as software contained in or sold as part of any Equipment described in this Agreement, will reasonably conform to its published specifications in effect at the time of delivery and for ninety (90) days after delivery. However, Customer agrees and acknowledges that the software may have inherent defects because of its complexity. Company's sole obligation with respect to software, and Customer's sole remedy, shall be to make available published modifications, designed to correct inherent defects, which become available during the warranty period. If Repair Services are included in this Agreement, Company warrants that its workmanship and material for repairs made pursuant to this Agreement will be free from defects for a period of ninety (90) days from the date of furnishing.

EXCEPT AS EXPRESSLY SET FORTH HEREIN, COMPANY DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE SERVICES PERFORMED OR THE PRODUCTS, SYSTEMS OR EQUIPMENT, IF ANY, SUPPORTED HEREUNDER.

Warranty service will be performed during Company's normal working hours. If Customer requests warranty service at other than normal working hours, service will be performed at Company's then current rates for after ours services. All repairs or adjustments that are or may become necessary shall be performed by and authorized representative of Company. Any repairs, adjustments or interconnections performed by Customer or any third party shall void all warranties. Company makes no and specifically disclaims all representations or warranties that the services, products, software or third party product or software will be secure from cyber threats, hacking or other similar malicious activity, or will detect the presence of, or eliminate, treat, or mitigate the spread transmission, or outbreak of any pathogen, disease, virus or other contagion, including but not limited to COVID-19.

25. Indemnity. Customer agrees to indemnify, hold harmless and defend Company against any and all losses, damages, costs, including expert fees and costs, and expenses including reasonable defense costs, arising from any and all third party claims for personal injury, death, property damage or economic loss, including specifically any damages resulting from the exposure of workers to Hazardous Conditions whether or not Customer pre-notifies Company of the existence of said hazardous conditions, arising in any way from any act or omission of Customer or Company relating in any way to this Agreement, including but not limited to the Services under this Agreement, whether such claims are based upon contract, warranty, tort (including but not limited to active or passive negligence), strict liability or otherwise. Company reserves the right to select counsel to represent it in any such action.

26. Insurance. Customer shall name Company, its officers, employees, agents, subcontractors, suppliers, and representatives as additional insureds on Customer's general liability and auto liability policies.

27. Termination. Any termination under the terms of this Agreement shall be made in writing. In the event Customer terminates this Agreement prior to completion for any reason not arising solely from Company's performance or failure to perform, Customer understands and agrees that Company will incur costs of administration and preparation that are difficult to estimate or determine. Accordingly, should Customer terminate this Agreement as described above, Customer agrees to pay all charges incurred for products and equipment installed and services performed, and in addition pay an amount equal to twenty (20%) percent of the price of products and equipment not yet delivered and Services not yet performed, return all products and equipment delivered and pay a restocking fee of twenty (20%) percent the price of products or equipment returned. Company may terminate this Agreement immediately at its sole discretion upon the occurrence of any Event of Default as hereinafter defined. Company may also terminate this Agreement at its sole discretion upon notice to Customer if Company's performance of its obligations under this Agreement becomes impracticable due to obsolescence of equipment at Customer's premises or unavailability of parts.

28. Default. An Event of Default shall be (a) failure of Customer to pay any amount when due and payable, (b) abuse of the System or the Equipment, (c) dissolution, termination, discontinuance, insolvency or business failure of Customer. Upon the occurrence of an Event of Default, Company may pursue one or more of the following remedies: (i) discontinue furnishing Services and delivering Equipment, (ii)) by written notice to Customer declare the balance of unpaid amounts due and to become due under this Agreement to be immediately due and payable; (iii) receive immediate possession of any Equipment for which Customer has not paid; (iv) proceed at law or equity to enforce performance by Customer or

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recover damages for breach of this Agreement, and (v) recover all costs and expenses, including without limitation reasonable attorneys' fees, in connection with enforcing or attempting to enforce this Agreement.

29. Exclusions. Unless expressly included in the Scope of Work, this Agreement expressly excludes, without limitation, testing inspection and repair of duct detectors, beam detectors, and UV/IR equipment; provision of fire watches; clearing of ice blockage; draining of improperly pitched piping; replacement of batteries; recharging of chemical suppression systems; reloading of, upgrading, and maintaining computer software; system upgrades and the replacement of obsolete systems, equipment, components or parts; making repairs or replacements necessitated by reason of negligence or misuse of components or equipment or changes to Customer's premises, vandalism, corrosion (including but not limited to micro-bacterially induced corrosion ("MIC")), power failure, current fluctuation, failure due to non-Company installation, lightning, electrical storm, or other severe weather, water, accident, fire, acts of God or any other cause external to the Covered System(s). Repair Services provided pursuant to this Agreement do not cover and specifically excludes system upgrades and the replacement of obsolete systems, equipment, components or parts. All such services may be provided by Company at Company's sole discretion at an additional charge. If Emergency Services are expressly included in the scope of work section, the Agreement price does not include travel expenses.

30. No Option to Solicit. Customer shall not, directly or indirectly, on its own behalf or on behalf of any other person, business, corporation or entity, solicit or employ any Company employee, or induce any Company employee to leave his or her employment, for a period of two years after termination of this Agreement.

31. Force Majeure; Delays. Company shall not be liable, nor in breach or default of its obligations under this Agreement, for delays, interruption, failure to render services, or any other failure by Company to perform an obligation under this Agreement, where such delay, interruption or failure is caused, in whole or in part, directly or indirectly, by a Force Majeure Event. A "Force Majeure Event" is a condition or event that is beyond the reasonable control of Company, whether foreseeable or unforeseeable, including, without limitation, acts of God, severe weather (including but not limited to hurricanes, tornados, severe snowstorms or severe rainstorms), wildfires, floods, earthquakes, seismic disturbances, or other natural disasters, acts or omissions of any governmental authority (including change of any applicable law or regulation), epidemics, pandemics, disease, viruses, quarantines, or other public health risks and/or responses thereto, condemnation, strikes, lock-outs, labor disputes, an increase of 5% or more in tariffs or other excise taxes for materials to be used on the project, fires, explosions or other casualties, thefts, vandalism, civil disturbances, insurrection, mob violence, riots, war or other armed conflict (or the serious threat of same), acts of terrorism, electrical power outages, interruptions or degradations in telecommunications, computer, network, or electronic communications systems, data breach, cyber-attacks, ransomware, unavailability or shortage of parts, materials, supplies, or transportation, or any other cause or casualty beyond the reasonable control of Company. If Company's performance of the work is delayed, impacted, or prevented by a Force Majeure Event or its continued effects, Company shall be excused from performance under the Agreement. Without limiting the generality of the foregoing, if Company is delayed in achieving one or more of the scheduled milestones set forth in the Agreement due to a Force Majeure Event, Company will be entitled to extend the relevant completion date by the amount of time that Company was delayed as a result of the Force Majeure Event, plus such additional time as may be reasonably necessary to overcome the effect of the delay. To the extent that the Force Majeure Event directly or indirectly increases Company's cost to perform the services, Customer is obligated to reimburse Company for such increased costs, including, without limitation, costs incurred by Company for additional labor, inventory storage, expedited shipping fees, trailer and equipment rental fees, subcontractor fees or other costs and expenses incurred by Company in connection with the Force Majeure Event.

32. One-Year Claims Limitation; Choice of Law. For Customers located in the United States, the laws of Wisconsin shall govern the validity, enforceability, and interpretation of this Agreement, without regard to conflicts of law. For customers located in Canada, this agreement shall be governed by and be construed in accordance with the laws of Ontario. The parties agree that any disputes arising under this Agreement shall be determined exclusively by the Ontario courts and that no action or legal proceedings of any nature shall be filed or commenced in any other court pertaining to any dispute arising out of or in relation to this Agreement. The parties also hereby waive any objection to the exclusive jurisdiction of the Ontario courts, including any objection based on *forum non conveniens.* No claim or cause of action, whether known or unknown, shall be brought against Company more than one year after the claim first arose. Except as provided for herein, Company's claims must also be brought within one year. Claims not subject to the one-year limitation include claims for unpaid: (a) contract amounts, (b) change order amounts (approved or requested) and (c) delays and/or work inefficiencies.

33. Assignment. Customer may not assign this Agreement without Company's prior written consent. Company may assign this Agreement to an affiliate without obtaining Customer's consent.

34. Entire Agreement. The parties intend this Agreement, together with any attachments or Riders (collectively the "Agreement) to be the final, complete and exclusive expression of their Agreement and the terms and conditions thereof. This Agreement supersedes all prior representations, understandings or agreements between the parties, written or oral, and shall constitute the sole terms and conditions of sale for all equipment and services. No waiver, change, or modification of any terms or conditions of this Agreement shall be binding on Company unless made in writing and signed by an Authorized Representative of Company.

35. Severability. If any provision of this Agreement is held by any court or other competent authority to be void or unenforceable in whole or in part, this Agreement will continue to be valid as to the other provisions and the remainder of the affected provision.

36. Legal Fees. Company shall be entitled to recover from the customer all reasonable legal fees incurred in connection with Company enforcing the terms and conditions of this Agreement.

37. Software and Digital Services. Use, implementation, and deployment of the software and hosted software products ("Software") offered under these terms shall be subject to, and governed by, Company's standard terms for such Software and

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Software related professional services in effect from time to time at https://www.johnsoncontrols.com/techterms (collectively, the "Software Terms"). Applicable Software Terms are incorporated herein by this reference. Other than the right to use the Software as set forth in the Software Terms, Company and its licensors reserve all right, title, and interest (including all intellectual property rights) in and to the Software and improvements to the Software. The Software that is licensed hereunder is licensed subject to the Software Terms and not sold. If there is a conflict between the other terms herein and the Software Terms, the Software Terms shall take precedence and govern with respect to rights and responsibilities relating to the Software, its implementation and deployment and any improvements thereto. Notwithstanding any other provisions of this Agreement and unless otherwise agreed to by the parties in writing, the following terms apply to Software that is provided to Customer on a subscription basis (i.e., a time limited license or use right), (each a "Software Subscription"): Each Software Subscription provided hereunder will commence on the date the initial credentials for the Software are made available (the "Subscription Start Date") and will continue in effect until the expiration of the subscription term noted herein. At the expiration of the Software Subscription, such Software Subscription will automatically renew for consecutive one (1) year terms (each a "Renewal Subscription Term"), unless either party provides the other party with a notice of non-renewal at least ninety (90) days prior to the expiration of the then-current term. To the extent permitted by applicable law, Software Subscriptions purchases are non-cancelable and the sums paid nonrefundable. Fees for Software Subscriptions shall be paid annually in advance, invoiced on the Subscription Start Date and each subsequent anniversary thereof. Unless otherwise agreed by the parties in writing, the subscription fee for each Renewal Subscription Term will be priced at JCI's then-applicable list price for that Software offering. Any use of Software that exceeds the scope, metrics or volume set forth in this Agreement will be subject to additional fees based on the date such excess use began.

38. Electronic Media. Electronic Media. Either party may scan, fax, email, image, or otherwise convert this Agreement into an electronic format of any type or form, now known or developed in the future. Any unaltered or unadulterated copy of this Agreement produced from such an electronic format will be legally binding upon the parties and equivalent to the original for all purposes, including litigation. JCI may rely upon Customer's assent to the terms and conditions of this Agreement, if Customer has signed this Agreement or demonstrated its intent to be bound whether by electronic signature or otherwise.

39. Lien Legislation. Notwithstanding anything to the contrary contained herein, the terms of this Agreement shall be subject to the lien legislation applicable to the location where the work will be performed, and, in the event of conflict, the applicable lien legislation shall prevail.

40. Privacy.*Company as* : Where Company factually acts as Processor of Personal Data on behalf of Customer (as such terms are defined in the DPA) the terms at www.johnsoncontrols.com/dpa ("DPA") shall apply. ***Company as :*** Company will collect, process and transfer certain personal data of Customer and its personnel related to the business relationship between it and Customer (for example names, email addresses, telephone numbers) as controller and in accordance with Company's Privacy Notice at https://www.johnsoncontrols.com/privacy. Customer acknowledges Company's Privacy Notice and strictly to the extent consent is mandatorily required under applicable law, Customer consents to such collection, processing and transfer. To the extent consent to such collection, processing and transfer by Company is mandatorily required from Customer's personnel under applicable law, Customer warrants and represents that it has obtained such consent.

41. License Information (Security System Customers): AL Alabama Electronic Security Board of Licensure 7956 Vaughn Road, Pmb 392, Montgomery, Alabama 36116 (334) 264-9388: AR Regulated by: Arkansas Board of Private Investigators And Private Security Agencies, #1 State Police Plaza Drive, Little Rock 72209 (501)618-8600: CA Alarm company operators are licensed and regulated by the Bureau of Security and Investigative Services, Department of Consumer Affairs, Sacramento, CA, 95814. Upon completion of the installation of the alarm system, the alarm company shall thoroughly instruct the purchaser in the proper use of the alarm system. Failure by the licensee, without legal excuse, to substantially commence work within 20 days from the approximate date specified in the agreement when the work will begin is a violation of the Alarm Company Act: NY Licensed by N.Y.S. Department of the State: TX Texas Commission on Private Security, 5805 N. Lamar Blvd., Austin, 78752-4422, 512-424-7710.License numbers available at www.johnsoncontrols.com or contact your local Johnson Controls office.

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DeKalb County School District

POTENTIAL CHANGE ORDER (PCO) REQUEST

School Name:	E.L. Miller ES	Date:	March 17, 2023
Project Name:	GC Services for EL Miller MSBR	Project Number:	354-35
Title:	Casework Sinks and Faucets	PCO #:	007

Description of Work:

Provide six (6) new sinks, faucets and trim at new casework with plastic laminate countertops. Provide seven (7) new faucets and trim at new casework with resin countertops. Provide ten (10) ADA under sink insulation at new casework. Plumbing drawings and specifications did not indicate any plumbing work related to the new casework being installed in the architectural drawings. Reference RFI #10 for additional information.

A. Subcontractor Cost of the Work

Able Plumbing	$ 17,765.00	
	$ -	
	$ -	
	$ -	
	$ -	
	$ -	**Subtotal A:** $ 17,765.00

B. CONTRACTOR Fee: (As per Section 11.7.1.2) - 5% subcontractor work

Subtotal B: $ 888.25

C. CONTRACTOR Cost of the Work:

Payroll Costs (See attached supporting documentation.)	$ -	
Materials and Equipment (See attached suporting documentation.)	$ -	
Consultant Costs (See attached suporting documentation.)	$ -	
Self-Performed Costs (See attached suporting documentation.)		**Subtotal C:** $ -

D. P&P Bond - 0.4% of Total Subs Cost of Change

Subtotal D: $ 74.91

E. CONTRACTOR Fee: - 10% self performed

Subtotal E: $ -

Total = (A + B + C + D + E) **Total:** $ 18,728.16

☐ **The proposal would** ☐ Increase ☐ Decrease **the Milestones and/or Contract Time by** ____ **calendar days.**

☑ **The proposal does NOT affect the Milestones and/or Contract Time.**

Contractor Signature	Title	Date
	Operation Manager	March 17, 2023

ABLE PLUMBING CO., INC.
85 ROLLING RD.
SOCIAL CIRCLE, GA 30025

March 17, 2023

Centennial Contractors

ATTN: Tyler

Ref; Price Quote for E.L. Miller Sink Change Order

6 -sinks, faucets and trim

7 – faucets, trim in tops and sinks by others

10 – ADA covers

Total price - $17,765.00

Melvin C. Atha

Able Plumbing Co., Inc.

SE Region - Georgia
3351 Wrightsboro Road, Suite 403
Augusta, Georgia 30909
P: (706) 723-5527
F: (770) 613-2992

Project: 73150-0120 DCSD E.L. Miller Elementary School MSBR
919 Martin Road
Stone Mountain, Georgia 30088

RFI #10: EL Miller ES - Casework Sinks

Status	Closed on 03/02/23		
To	Bobby Weiner (CDH Partners) *(Response Required)* Chantel Coley (NBP Engineers) *(Response Required)*	**From**	Tyler Shelton (Centennial Contractors Enterprises, Inc.) 3200 Cobb Galleria Parkway, Suite 210 Atlanta, Georgia 30339
Date Initiated	Jan 23, 2023	**Due Date**	Jan 26, 2023
Location	Classrooms	**Project Stage**	Pre-Construction
Cost Impact	TBD	**Schedule Impact**	No
Spec Section	22 0002 - PLUMBING SPECIFICATIONS	**Cost Code**	
Drawing Number	A601	**Reference**	
Linked Drawings	P201, P202, P203		
Received From	Tyler Shelton (Centennial Contractors Enterprises, Inc.)		
Copies To	Melissa Cantrell (CDH Partners), Ray Church (Centennial Contractors Enterprises, Inc.), Alyssa Franklin (CDH Partners)		

Activity

Question

Question from Tyler Shelton Centennial Contractors Enterprises, Inc. *on Monday, Jan 23, 2023 at 10:42 AM EST*

Drawing A601 shows several sinks to be located in the new casework. There are no sinks shown on the plumbing drawings and there are no specifications for sinks, faucets, etc. Is the intent to re-install the existing sinks and faucets back into the new casework? Photo of existing casework with existing sinks and faucets in 105.5 attached.

Attachments
IMG_2023_01_23_10_36_14_223.jpg

Official Response

Response from Tyler Shelton Centennial Contractors Enterprises, Inc. *on Thursday, Mar 2, 2023 at 12:33 PM EST*

Specs provided by William Dent via e-mail 3/2/2023.

Attachments
22 0002-PLUMBING SPECIFICATIONS.pdf

Official Response

Response from Bobby Weiner CDH Partners *on Tuesday, Feb 28, 2023 at 01:34 PM EST*

here is the revision 1 drawing for the sinks.

Attachments
2023_02_17_ELMiller_Revision1_Plumbing.pdf

SECTION 22 0002 - PLUMBING SPECIFICATIONS

PART 1 GENERAL

1.01 REGULATORY REQUIREMENTS

A. Where requirements of these specifications exceed specified codes and ordinances, conform to these specifications.

B. Materials and equipment included in Underwriters Label Service shall bear that label. Electrical equipment shall be U.L. approved as installed.

C. Jurisdiction: Where codes or guides refer jurisdiction to local governing code officials, such official in this procedure shall be the City Building Official.

D. Permits: Obtain all permits, paying all fees in connection therewith. At completion, have work inspected by proper authorities and furnish the Architect for the Owner an inspection certificate showing approval of installation.

E. Plumbing: International Plumbing Code, 2018 edition, with all Georgia State Amendments.

F. Fire Prevention Precautions in Cutting and Welding Areas: Conform to Article 2605 Fire Prevention Precautions, SBCCI Standard Fire Prevention Code (International Fire Code), 2018 Edition, with all Georgia State Amendments, for all work involving cutting and welding.

G. Energy: Conform to the International Energy Conservation Code, 2015 Edition, with all Georgia State Amendments.

H. Electrical: Refer to Division 26. Conform to the National Electrical Code, NFPA 70, 2020.

I. Building Code: International Building Code, 2018 Edition with all Georgia State Amendments.

J. All Work: Conform to State of Georgia Chapter 120-3-3 "Rules of Safety Fire Commissioner, Rules and Regulations, January 1st, 2020".

K. All Work: Conform to State of Georgia Chapter 120-3-20 "Access To and Use of Public Facilities by Handicapped Persons" and 2010 ADA Standards for Accessible Design.

1.02 SUBMITTALS

A. The contractor shall submit the following for review by the Design Professional.
   1. Plumbing Piping, Fittings and Valves.
   2. Plumbing Fixtures and Accessories.

B. The Contractor may submit using hard-copies or electronically.
   1. For hard-copy submittals:
      a. Provide a minimum of 3 copies, plus the quantity required by the Contractor.
      b. Ensure any reproductions are legible.
      c. Provide a submittal index.
      d. Identify the submittal on the cover sheet with the Project Title, Specification Section number and title, and Contractor's and Sub-contractor's company name, along with the contact information for a representative of the Sub-contractor who can answer questions associated with the submittal.
      e. Provide a date on the cover sheet.
      f. If the submittal is a "resubmittal", as opposed to the first submittal of a section, indicate such on the submittal cover sheet.
   2. For electronic submittals:
      a. Ensure any reproductions are legible.
      b. Do not scan in color or high resolution unless needed for clarity, to reduce file size.
      c. Provide a submittal index.

d. Send the submittal by email to submittal@nbpengineers.com . Copy the Architect.
e. Identify the submittal in the email subject line with the NBP project number, project title and Spec Section number and title. For example: NBP 20056 - E.L. Miller Elementary School - 220002 Plumbing Specifications. Ensure the cover sheet of the submittal has the same identification.
f. Provide a date on the cover sheet of the submittal.
g. If the submittal is a "resubmittal", as opposed to the first submittal of a section, indicate such in the email subject line and on the submittal cover sheet.

1.03 QUALITY ASSURANCE

A. Installer Qualifications: Company specializing in performing the work of this section with minimum five years of documented experience.

B. Products Requiring Electrical Connection: Listed and classified by UL as suitable for the purpose specified and indicated.

1.04 DELIVERY, STORAGE, AND PROTECTION

A. Accept all products on site in factory-fabricated protective containers. Inspect for damage.

B. Store products in a clean dry place and protect from weather and construction traffic.

C. Handle products carefully to avoid damage to components, enclosures, and finish.

D. After placement, protect products from damage during construction, by all trade contractors.

E. Protect equipment nameplates and labels from damage, being painted, scaring, etc.

1.05 WARRANTY

A. Provide five year manufacturer warranty for electric water cooler from the Date of Material Completion.

B. Warranty: Submit manufacturer warranty and ensure that forms have been completed in Owner 's name and registered with manufacturer.

C. Where extended warranties beyond the Contractor's one (1) year warranty are specified, the additional warranty time shall start at the end of the Contractor's warranty.

D. Correct defective Work for a one year period after Date of Material Completion.

1.06 INSTALLATION

A. Clearance above and in front of electrical switchgear, electrical power panels or control panels shall be maintained by mechanical systems so that no pipes, vents, or equipment is routed above or across the space directly above this equipment in conformance with the National Electrical Code.

B. Install and connect all appliances, equipment, and appurtenances as specified, indicated or required in accordance with the manufacturer's instructions and recommendations. Furnish and install complete auxiliary piping, water seals, valves, electric connections, and similar items, recommended by the manufacturer or as required for proper operation.

C. Pipe Sleeves in Slabs, Masonry Walls and Partitions:
1. Masonry Partitions: Schedule 40 black steel pipe: Sleeves shall be sized to include the insulation with minimum gap around insulation. Install, without developing a break in the pipe insulation, according to the fire sealant manufacturer's installation instructions for a U.L. Listed assembly for a rated pipe penetration through a rated masonry wall/partition.
2. Omit sleeves in openings core drilled in masonry partitions.

3. Rated Drywall Partitions: Twenty gage galvanized steel. Sleeves shall be sized to include the insulation with minimum gap around the insulation. Install, without developing a break in the pipe insulation, according to the fire sealant manufacturer's installation instructions for a U.L. Listed assembly for a rated pipe penetration through a rated drywall wall/partition.
4. Non-Rated Drywall Partitions: Omit sleeves.

1.07 PIPING PRESSURE TESTS

A. General:
1. Provide 48 hours notification to the Architect in advance of any test.
2. Complete tests prior to insulating. Leaks shall be repaired, defective materials replaced, and system shall be retested. Strike all joints in copper and steel piping under a pressure test. Conduct tests prior to connecting to equipment or isolate equipment from system.
3. No water pressure test shall be conducted in freezing weather where subject to freezing.
4. Test shall be maintained at conditions specified until approved but, in no event, for less than eight (8) hours minimum duration, unless otherwise noted.
5. Hydrostatic pressure tests shall maintain pressure without change, except that due to temperature change.

B. Domestic Water System: Hydrostatic test; 150 PSIG

C. Soil, Waste and Vent System: Static test; 10 feet minimum head. Test system in its entirety or in sections. Plug all openings except highest opening above the roof. Water shall be kept in the system, or in the portion under test, for a minimum of one (1) hour. Inspect the system, or the portion under test, after one (1) hour, the system shall be tight at all points.

PART 2 PRODUCTS

2.01 IDENTIFICATION FOR PLUMBING PIPING AND EQUIPMENT

A. Pipe Markers
1. Manufacturers: Brimar, Seton Name Plate Co Setmark, Kolbi Industries Style A thru E(5 inch and smaller) else Style F thru H, Marking Services.
2. Plastic Pipe Markers: Factory fabricated, flexible, semi- rigid plastic, preformed to fit around pipe or pipe covering; minimum information indicating flow direction arrow and identification of fluid being conveyed.

B. Install Pipe Markers on all piping systems at the following Locations:
1. Mechanical Equipment Rooms:
a. Within 18 inches of each valve.
b. Within 36 inches of each 90 elbow, tee, connection to equipment or vessel and point where pipe exits room.
c. At not over 20 feet intervals along all exposed piping.
2. Above Suspended Ceilings:
a. Within 18 inches of each valve or valve assembly.
b. At tees, identify both main and branch within 36 inches of tee.
c. Within 36 inches of each 90 elbow.
d. At not over 30 feet intervals along all concealed piping.

2.02 PLUMBING PIPING INSULATION

A. Glass Fiber (RIGID)
1. Manufacturers:
a. Johns Manville Corporation: www.jm.com.

b. Owens Corning Corp: www.owenscorning.com.
c. Manson Insulation: www.imanson.com

2. Insulation: ASTM C547 and ASTM C795; semi-rigid, noncombustible, end grain adhered to jacket.
   a. 'K' value: ASTM C 177, 0.24 at 75 degrees F (0.035 at 24 degrees C).
   b. Maximum service temperature: 650 degrees F.
   c. Maximum moisture absorption: 0.2 percent by volume.
3. Tie Wire: 0.048 inch stainless steel with twisted ends on maximum 12 inch centers.
4. Vapor Barrier Lap Adhesive:
   a. Compatible with insulation.
5. Insulating Cement/Mastic:
   a. ASTM C195; hydraulic setting on mineral wool.
6. Insulating Cement:
   a. ASTM C449/C449M.

B. FIRE BARRIER PLENUM WRAP FOR PLASTIC PIPE
1. Manufacturers: Armstrong AP, 3M, JohnsManville.
2. Insulation: Inorganic blanket encapsulated with a scrim-reinforced foil.
   a. 'K' ('Ksi') value: ASTM C 177; 0.27 at 75 degrees F (0.04 at 24 degrees C).
   b. Maximum moisture absorption: ASTM D 1056; 5.0 percent (pipe) by volume, 6.0 percent (sheet) by volume.
   c. Water Vapor Permeability: 0.17 perm-inches, when tested in accordance with ASTM E 96.
   d. Flame spread/smoke developed rating of 25/50 maximum when tested in accordance with ASTM E84.
   e. Minimum Service Temperature: -40 degrees F.
   f. Maximum Service Temperature: 220 degrees F.
   g. Connection: Waterproof vapor barrier adhesive.

C. Piping Concealed and Exposed Above 10ft Above Finished Floor - Domestic Hot and Cold Water piping: 1 inch thick rigid glass fiber with factory ASJ jacket.

2.03 PLUMBING PIPING

A. Soil, waste, and vent piping: Above and Below slab on grade; Schedule 40 PVC, ASTMD2665.
1. Fittings: PVC
2. Joints: Solvent Welded, with ASTMD2564 Solvent cement.

B. Water Piping, Above Slab on Grade
1. Copper Tube: ASTM B88 (ASTM B88M), Type L (B), Drawn (H).
   a. Fittings: ASME B16.18, cast copper alloy or ASME B16.22, wrought copper and bronze.
   b. Fittings: ASME B16.18, ASME B16.22, wrought copper and bronze.
   c. Joints: ASTM B32, alloy Sn95 solder.

C. Natural Gas Piping, Above Grade
1. Steel Pipe: ASTM A 53/A 53M Schedule 40 black.
   a. Fittings: ASME B16.3, malleable iron, or ASTM A 234/A 234M, wrought steel welding type.
   b. Joints: NFPA 54, threaded or welded to ASME B31.1.
2. Valve Connections: 2" and smaller - threaded.

D. Indirect Drain Piping From Kitchen Equipment:
1. Copper Tube: ASTM B 88 (ASTM B 88M), Type L (B), Drawn (H).
   a. Fittings: ASME B16.18, ASME B16.22, wrought copper and bronze.
   b. Joints: ASTM B 32, alloy Sn95 solder.

E. Pipe Hangers and Supports

1. Provide hangers and supports that comply with MSS SP-58.
2. Manufacturers: Anvil, B-Line, Grinnell, Globe or Michigan. Figure numbers are for Michigan.
3. Plumbing Piping - Water:
   a. Conform to ASME B31.9.
   b. Hangers for Pipe Sizes 1/2 Inch to 1-1/2 Inches: Adjustable swivel, loop.
   c. Copper Pipe Support: Adjustable Loop, copper plated.

F. Ball Valves
1. Up To and Including 2-1/2 Inches:
   a. Manufacturers:
      1) Apollo; Model 64 Series
      2) Ferguson; Model 420
      3) Milwaukee; Model BA-475B
2. MSS SP-110, NSF-61, 150 WSP, 600 psi WOG, Brass or Bronze two piece body, Full port, chrome plated brass ball, reinforced teflon seats and stuffing box ring, blow-out proof stem design, adjustable packing gland, zinc coated steel lever handle with vinyl hand grip., threaded ends.

G. Gas Valves
1. 2-Inches and smaller
   a. Manufacturers:
      1) Apollo; Model 64:
      2) Crane; Model 9200 Series:
      3) Hammond; Model 8901
      4) Milwaukee Valve; Model BA475B
      5) Stockham; Model S206-UFBR
      6) Watts; Model FVB-3
2. MSS SP-110, 600 WOG, B16.44 5 PSIG, Z21.15 1/2 PSIG, Brass/bronze two piece body, full port, teflon packing, chrome plated brass ball, threaded ends.

H. Automatic Gas Shut-Off Valves
1. 3-Inches and smaller
   a. Manufacturers:
      1) Asco; Model 8042 Series:

I. ANSI Z21.21, Die-cast aluminum body, stainless steel springs and core, NBR seals and disc, 5lb closing spring, normally closed, maximum operating pressure 5psi, threaded ends, 120V.

2.04 PLUMBING SPECIALTIES

A. CLEANOUTS
1. Cleanouts at Interior Finished Floor Areas (FCO):
   a. Manufacturers:
      1) Mifab; Model C-1100P-R
      2) J.R. Smith; Model 4032L
      3) Zurn; Model ZN1400-NL-BP
   b. Lacquered cast iron body with anchor flange, flashing clamp and round adjustable secured Nickel Bronze top assembly with bronze plug and round gasketed scored cover in service areas and round gasketed depressed cover to accept floor finish in finished floor areas.
2. Cleanouts at Interior Finished Wall Areas (WCO):
   a. Manufacturers:
      1) Mifab; Model C-1430-RD
      2) J.R. Smith; Model 4472
      3) Zurn; Model Z-1468

b. Line type with cast bronze taper threaded plug with round stainless steel access cover secured with machine screw.

B. HOSE BIBBS:
1. Manufacturers:
a. Nibco; Model 763VB-LS
b. Woodford; Model 24P
c. T&S Brass; Model B-0736
d. Prier; Model C255CP
2. Brass body with integral mounting flange, replaceable hexagonal disc, hose thread spout, chrome plated where exposed with lockshield and removable key, integral vacuum breaker in conformance with ASSE 1011. Rough brass finish in mechanical spaces.

C. GAS FIRED FOOD SERVICE APPLIANCE CONNECTOR ASSEMBLIES
1. Flexible Piping Connector Assembly
a. Manufacturers:
1) Dormont - BPQ Series with Type 'A' Series Push-to-connect coupling and restraining disconnect coupling.
2) Easy-Flex - 'KIT' Series.
3) T& S Brass 'HG' Series.
2. ANSI 169 & ANSI Z21.69Stainless steel corrugated hose with braided mesh stainless protective wrap and coated with blue PVC coating;3 quick disconnect coupling; swivel fittings; and restraining cable..

2.05 PLUMBING FIXTURES

A. ELECTRIC WATER COOLERS
1. FIXTURE 'EWC1'; ELECTRIC WATER COOLER (HI-LO)
a. Water Cooler
1) Manufacturers:
(a) Elkay; Model EZSTL8C with LKAPREZL
(b) Haws
(c) Halsey-Taylor
(d) Oasis
2) ARI-1010; Bi-level, with ADA unit on the right, wall mounted electric water cooler assembly with stainless steel water surfaces, heavy duty galvanized steel wall mounting frame, 'sandstone' paint or vinyl finish cabinet, elevated anti-squirt bubblers with stream guard, automatic stream regulators; front and side push button actuators; high efficiency cooling tank and air cooled coil delivering 8.0 gph 50-degree water at 90-degree ambient air temperature; ADA compliant, and cane apron.
b. Accessories:
1) Supply: See SUPPLY STOPS
2) Trap: Type 1T; See TRAPS
3) Carriers: See CARRIERS
4) Cane Apron; Provide Option with Fixture.
2. FIXTURE 'EWC2'; ELECTRIC WATER COOLER (ADA w/Bottle Filling Station)
a. Water Cooler
1) Manufacturers:
(a) Elkay; Model EZS8WSLK with LKAPREZL
(b) Haws
(c) Halsey-Taylor
(d) Oasis
2) ARI-1010; wall mounted electric water cooler assembly with stainless steel water surfaces, heavy duty galvanized steel wall mounting frame, 'sandstone'

paint or vinyl finish cabinet, elevated anti-squirt bubblers with stream guard, automatic stream regulators; front and side push button actuators; high efficiency cooling tank and air cooled coil delivering 8.0 gph 50-degree water at 90-degree ambient air temperature; with ADA compliant bottle filling station, and cane apron. Bottle filling station to have no touch sensor activation with 30 second shut-off timer, filter, and 1.1 gpm flow rate.

b. Accessories:
   1) Supply: See SUPPLY STOPS
   2) Trap: Type 1T; See TRAPS
   3) Carriers: See CARRIERS
   4) Cane Apron; Provide Option with Fixture.

B. FIXTURE 'SK1'; SINK (SS, CT, 25" x 22" SC, ADA)

1. Sink:

a. Manufacturers:

1) Elkay; Model LRAD-252260

2) Just; Model SL-ADA-2225-A-GR

b. ASME A112.19.3M; 18 gauge, type 304 stainless steel, single compartment 22 x 25 x 6 -inches overall with 4 -hole drilling for faucet, 3-inch drain opening; ADA accessible.

2. Accessories:

a. Faucet: Type 7F; See FAUCETS.

b. Drain: Type 4D; See DRAINS.

c. Supplies: Type SS1. See SUPPLIES.

d. Trap: Type 2T; See TRAPS.

e. Insulation: See FIXTURE INSULATION.

C. FIXTURE ACCESSORIES

1. FAUCETS

a. Type 7F (8-inch spread w/ gooseneck spout - Sinks)

1) Manufacturers:

(a) American Standard; Model 6530.170

(b) Chicago; Model 785-GN-2A

(c) Delta; Model 27C2942

(d) Encore; Model KN84-8102-RE4

(e) Just; Model J-1174-KS

(f) Speakman; Model SC-3004-LD

(g) Symmons; Model S-254-LWG

(h) T&S Brass; Model B-2866-05

(i) Zurn; Model Z831-XL-B4

2) ASME A112.18.1M; Chrome plated brass double service, 8-inch widespread gooseneck lavatory combination supply fitting rigid hi-arc gooseneck spout, aerator; 4-inch wrist handles, 1.5 gpm; less drain.

2. SUPPLY STOPS

a. Type SS1 (3/8"-inch, 1/4 turn; Loose Key; Lavatories/Sinks/Electric Water Coolers)

1) Manufacturers:

(a) Brasscraft; Model KTSR17XC

(b) Chicago; Model 1006-MMABCP

(c) McGuire; Model LFHST02LK

(d) Zurn; Model ZH8822-XL-LR-LK-PC

2) ASME A112.18.1M; Chrome plated brass angle heavy duty stop or ball stop, removable actuator key; supply tubing and escutcheon plate.

3. TRAPS

a. Type 1T (1 1/4"-inch Adj. 'P')

1) Manufacturers:

(a) Kohler; Model K-9000

(b) McGuire; Model 8872

(c) Zurn; Model Z-8700

2) ASME A112.18.1M; Chrome plated cast brass, 17-gauge P-trap assembly with cast brass nuts, cleanout plug and heavy duty escutcheon.

b. Type 2T (1 1/2"-inch Adj. 'P')

1) Manufacturers:

(a) EBC; Model TA-150-CF

(b) Dearborn; Model 710 GDFBN

(c) Kohler; Model K-9000

(d) McGuire; Model 8912

(e) Zurn; Model Z-8702

2) ASME A112.18.1M; Chrome plated cast brass, 17-gauge P-trap assembly with cast brass nuts, cleanout plug and heavy duty escutcheon.

4. DRAINS

a. Type 4D (Basket off-set drain - Sinks)

1) Manufacturers:

(a) EBC; Model SB8CWC

(b) Elkay; Model LKAD-35

(c) Just; Model J-ADA-35

(d) McGuire; Model 1151AWC

(e) Zurn; Model Z-8749

2) ASME A112.18.1M; 1 1/2" inch diameter chrome plated brass removable stainless steel strainer/drain assembly with offset 20-gauge tailpiece.

5. CARRIERS

a. Electric Water Coolers

1) Type C12 'Single'

(a) Manufacturers:

(1) Josam; Model 17900

(2) JR Smith; Model 830-M31

(3) Zurn; Model ZR-1225

2) Type C13 'Bi-Level'

(a) Manufacturers:

(1) Josam; Model 17560-WCBL

(2) JR Smith; Model 834LR-M31

(3) Zurn; Model ZR-1225-BL

b. Carrier Notes:

1) Carriers shall be manufactured in accordance with ASME A112.18.2 standards.

2) All carriers shall be bolted to the floor with lag bolts.

6. FIXTURE INSULATION

a. Manufacturers:

1) EBC; Model IK Series

2) McGuire; Model 'Pro-Wrap' Series

3) Plumberex; Model Pro Extreme Series

4) Proflo; Model PF200 Series

5) True-Bro; Model 'Lav Guard' Series

6) Zurn; Model 'Trap Wrap' Series

b. Insulation assembly shall be for supply stops & tubing; drains (including off-sets) and P-traps under all ADA lavatories and counter sinks.

c. ANSI A117.1, ADA4.19.4; Fully molded, anti-bacterial flexible vinyl insulation assembly, minimum 1/8"-inch wall thickness, white in color, self-extinguishing meeting ASTM D635, and have a K-value of 1.17.

PART 3 EXECUTION

3.01 INSTALLATION

A. Pipe Hangers and Supports:
   1. Support horizontal piping as scheduled.
   2. Install hangers to provide minimum 1/2 inch space between finished covering and adjacent work.
   3. Place hangers within 12 inches of each horizontal elbow.
   4. Use hangers with 1-1/2 inch minimum vertical adjustment. Design hangers for pipe movement without disengagement of supported pipe.
   5. Where several pipes can be installed in parallel and at same elevation, provide multiple or trapeze hangers.
   6. Use double nuts and lock washers on threaded rod supports.
   7. Provide copper plated hangers and supports for copper piping where hanger is in contact with tubing.
   8. Pipe Hanger Spacing:
      a. Metal Piping:
         1) Copper Pipe size: 1/2 inches to 1-1/4 inches:
            (a) Maximum hanger spacing: 5 ft.
            (b) Hanger rod diameter: 3/8 inches.
         2) Waste and Vent: 2 inches to 3 inches:
            (a) Maximum hanger spacing: 8 ft.
            (b) Hanger rod diameter: 1/2 inches.

B. Disinfection of Domestic Water Piping System
   1. Prior to starting work, verify system is complete, flushed and clean.
   2. Ensure Ph of water to be treated is between 7.4 and 7.6 by adding alkali (caustic soda or soda ash) or acid (hydrochloric).
   3. Inject disinfectant, free chlorine in liquid, powder, tablet or gas form, throughout system to obtain 50 to 80 mg/L residual.
   4. Bleed water from outlets to ensure distribution and test for disinfectant residual at minimum 15 percent of outlets.
   5. Maintain disinfectant in system for 24 hours.
   6. If final disinfectant residual tests less than 25 mg/L, repeat treatment.
   7. Flush disinfectant from system until residual equal to that of incoming water or 1.0 mg/L.
   8. Take samples no sooner than 24 hours after flushing, from 10 percent of outlets and from water entry, and analyze in accordance with AWWA C651.

END OF SECTION

DeKalb County School District

POTENTIAL CHANGE ORDER (PCO) REQUEST

School Name:	E.L. Miller ES	Date:	March 17, 2023
Project Name:	GC Services for EL Miller MSBR	Project Number:	354-35
Title:	School Final Cleaning	PCO #:	008

Description of Work:

Provide final cleaning services after construction for EL Miller ES at the end of Summer 2023 per RFI 3. Corridors will receive a secondary final clea after completion of the HVAC corridor work scheduled after Summer of 2023.

A. Subcontractor Cost of the Work

American Facility Services (Summer Clean)	$	30,000.00
American Facility Services (Final Corridor Clean)	$	5,200.00
	$	-
	$	-
	$	-
	$	-

Subtotal A: $ 35,200.00

B. CONTRACTOR Fee: (As per Section 11.7.1.2) - 5% subcontractor work

Subtotal B: $ 1,760.00

C. CONTRACTOR Cost of the Work:

Payroll Costs (See attached supporting documentation.)	$	-
Materials and Equipment (See attached suporting documentation.)	$	-
Consultant Costs (See attached suporting documentation.)	$	-
Self-Performed Costs (See attached suporting documentation.)		

Subtotal C: $ -

D. P&P Bond - 0.4% of Total Subs Cost of Change

Subtotal D: $ 148.43

E. CONTRACTOR Fee: - 10% self performed

Subtotal E: $ -

Total = (A + B + C + D + E) **Total:** $ 37,108.43

☐ **The proposal would** ☐ Increase ☐ Decrease **the Milestones and/or Contract Time by** ____ **calendar days.**

☑ **The proposal does NOT affect the Milestones and/or Contract Time.**

Contractor Signature	Title	Date
	Operation Manager	March 17, 2023

Centennial Contractors March 9, 2023
3200 Cobb Galleria Pkwy, Suite 210
Atlanta, GA 30339
Phone 770-613-2999 / Fax 770-613-2992
Tyler Shelton
tshelton@cce-inc.com

Project Name: E.L. Miller ES
Project Location: 919 Martin Road, Stone Mountain, GA 30088

AFS -American Facility Services is pleased to submit this proposal for your review:

FINAL CLEANING
A. General: Perform final cleaning. Conduct cleaning and waste-removal operations to comply with local laws and ordinances and Federal and local environmental and antipollution regulations.
B. Cleaning: Employ experienced workers or professional cleaners for final cleaning. Clean each surface or unit to condition expected in an average commercial building cleaning and maintenance program.
1. Complete the following cleaning operations before requesting inspection for certification of Substantial Completion for entire Project or for a designated portion of Project:
a. Clean building in areas disturbed by construction activities.
b. Clean interior hard-surfaced finishes to a dirt-free condition, free of stains, films, and similar foreign substances.
c. Clean floors.
d. Vacuum carpet and similar soft surfaces, removing debris and excess nap.
e. Clean transparent materials, including mirrors and glass in doors and interior windows. Remove glazing compounds and other noticeable, vision-obscuring materials. Polish mirrors and glass, taking care not to scratch surfaces.
f. Remove labels that are not permanent.
g. Wipe surfaces of mechanical and electrical equipment and similar equipment. Remove excess lubrication, paint and mortar droppings, and other foreign substances.
h. Clean plumbing fixtures to a sanitary condition, free of stains, including stains resulting from water exposure.
i. Clean exposed surfaces of diffusers, registers, and grills.
j. Clean light fixtures, lamps, globes, and reflectors to function with full efficiency.
k. Leave Project clean and ready for occupancy.

RESILIENT FLOORING
1. Coordinate type of wax with Owner for compatibility.
2. Remove excess adhesive from floor, base, and wall surfaces without damage.

3. Remove all pencil marks and excess glue.
4. Clean and apply wax resilient flooring products in accordance with manufacturer's instructions.

SCHEDULING
We request a three-day notice to schedule your team, equipment and materials. At the time of scheduled visits, AFS ask that all equipment, trades and tools be clear of workspace to ensure safety and quality of completed project.

Contract Value of $ 30,000.00
(Sum of thirty thousand dollars, and 00 cents)

This bid is based on *one* cleaning of 65,490 SF.

AFS- American Facility Services Inc., we view service contracts as partnerships with our clients to ensure outstanding customer service and quality control. We are totally committed to provide contracts with the highest level of service and support. Thank you for this opportunity. If you have any questions or any other cleaning needs, please feel free to contact me. We look forward to working with your team and delivering satisfaction.

Angela Robertson
American Facility Services
1325 Union Hill Industrial Court
Suite A, Alpharetta, GA 30004
Office 770-740-1613
Cell 770-527-1603
arobertson@amfacility.com
F.E.I # 58-1950842
Dun & Bradstreet # 78-451-9977
www.americanfacilityservices.com

Acceptance of Proposal: Date_____

_____
Centennial, Authorized Signature

_____
Print Authorized Signature

Centennial Contractors March 9, 2023
3200 Cobb Galleria Pkwy, Suite 210
Atlanta, GA 30339
Phone 770-613-2999 / Fax 770-613-2992
Tyler Shelton
tshelton@cce-inc.com

Project Name: E.L. Miller ES
Project Location: 919 Martin Road, Stone Mountain, GA 30088

AFS -American Facility Services is pleased to submit this proposal for your review:

FINAL CLEANING
1. Clean corridors.

RESILIENT FLOORING
1. Strip floors in corridors.
2. Clean and apply wax resilient flooring products in accordance with manufacturer's instructions.

SCHEDULING
We request a three-day notice to schedule your team, equipment and materials. At the time of scheduled visits, AFS ask that all equipment, trades and tools be clear of workspace to ensure safety and quality of completed project.

Contract Value of $ 5,200.00
(Sum of five thousand, two hundred dollars, and 00 cents)

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Acceptance of Proposal: Date_____

_____
Centennial, Authorized Signature

_____
Print Authorized Signature

SE Region - Georgia
3351 Wrightsboro Road, Suite 403
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Project: 73150-0120 DCSD E.L. Miller Elementary School MSBR
919 Martin Road
Stone Mountain, Georgia 30088

RFI #3: EL Miller ES - School Cleaning

Status	Closed on 01/10/23		
To	Bobby Weiner (CDH Partners)	**From**	Tyler Shelton (Centennial Contractors Enterprises, Inc.) 3200 Cobb Galleria Parkway, Suite 210 Atlanta, Georgia 30339
Date Initiated	Dec 21, 2022	**Due Date**	Jan 13, 2023
Location	Building Interior (General)	**Project Stage**	Pre-Construction
Cost Impact	Yes (Unknown)	**Schedule Impact**	No
Spec Section		**Cost Code**	
Drawing Number	N/A	**Reference**	
Linked Drawings			
Received From	Tyler Shelton (Centennial Contractors Enterprises, Inc.)		
Copies To	Melissa Cantrell (CDH Partners), Alyssa Franklin (CDH Partners)		

Activity

Question

Question from Tyler Shelton Centennial Contractors Enterprises, Inc. *on Tuesday, Dec 6, 2022 at 01:38 PM EST*

There are no requirements for final cleaning the school at the end of construction. While we will do a standard construction clean, stripping and waxing of floor, cleaning existing furniture such as desks and chairs are not in the contract. Does the school district have personnel lined up to complete this work or shall we look at bringing in outside cleaners to clean the school under a change order?

Official Response

Response from Tyler Shelton Centennial Contractors Enterprises, Inc. *on Tuesday, Jan 10, 2023 at 01:56 PM EST*

Per CDH's attached response "Please see attached the DCSD guidelines for custodial services. DCSD can see if they can coordinate with the school custodial staff on moving and cleaning of the furniture."

Attachments
CUSTODIAL SERVICES SOP 6-7-22.pdf, RFI Response 003.pdf

CUSTODIAL SERVICES
CLEANING STANDARDS
FOR
DCSD FACILITIES

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I. MISSION

To provide exemplary support services to enhance student growth and achievement.

We believe in:

- Innovative, process-driven strategies which utilize best practices and values customer satisfaction.
- Creating and maintaining a safe and productive work environment.
- Promoting deep collaboration and spurring continuous improvements throughout our entire organization.

We strive to:

- Establish and maintain a Partnership with the instructional Division that fosters establishing and maintaining a welcoming environment for students and supports the students' active engagement in their work. This partnership must be based on a spirit of cooperation, understanding and open supportive dialogue.
- Construct, maintain and support the cleanliness of all operating facilities so that they are conducive to learning.
- Ensure the safety of the students, faculty, administration and other occupants of the facilities by proper maintenance of capital equipment and the buildings.
- Increase the life of a school or facility and its support systems.

II. Custodial Management

Dekalb County School District currently serves approximately 99,000 students and operates approximately 140 schools and administrative facilities ranging in size from 5,500 square feet to 290,000 square feet. Some campuses are comprised of a single structure while others have multiple structures.

DCSD Facilities Services Department currently maintains all facilities custodial services with in-house personnel. School–based custodial staff reports to the principal or their designee on their individual schools. Cleaning is completed in a manner not to disrupt normal school functions.

Within the Facilities Services Department, a Maintenance Manager 1 is in charge of Custodial Services for the District. This person has 7 Trades Supervisors that report to them.

The Trades Supervisors perform the following:

1. Performs routine graded cleaning inspections.
2. Conducts, schedules and coordinates training for school-based custodians.
3. Approves custodial supplies and equipment necessary for the proper cleaning and maintaining of facilities.
4. Ensures school-based custodial equipment is being properly maintained.
5. Assists local school staff in developing and preparing schedules, workloads and work assignments.

Once completed, a copy of the graded cleaning inspections will be given to the principal. This will include any deficiencies and follow-up actions required. A follow-up inspection, spot checking the previous deficiencies will take place before the next graded inspection.

If training is required in order for the deficiencies to be properly addressed. The trade supervisor will perform and document the required training.

III. Cleaning Standards

For a custodial program to be effective, the expectations of the custodial services to be provided must be established. DCSD requires compliance with DCSD Cleaning Standard Level 2 at a minimum. The DCSD Cleaning Standards are defined as follows: (Based on a modified APPA standard)

Level 1 - Orderly Spotlessness

• Floors and base moldings shine and/or are bright and clean; colors are fresh. There is no buildup in corners or along walls. Floors swept daily.
• All vertical and horizontal surfaces have a freshly cleaned or polished appearance and have no accumulation of dust, dirt, marks, streaks, smudges, or fingerprints. Light all work and fixtures are clean.
• Washroom and shower fixtures and tile gleam and are odor-free. Supplies are adequate.
• Trash containers and pencil sharpeners hold only daily waste, are clean and odor-free.

Level 2 - Ordinary Tidiness

• Floors and base moldings shine have no buildup in corners or along walls, but there can be up to two days worth of dust, dirt, stains, or streaks. Floors swept daily.
• All vertical and horizontal surfaces are clean, but marks, dust, smudges, and fingerprints are noticeable upon close observation. Light all work and fixtures are clean.

• Washroom and shower fixtures and tile gleam and are odor-free. Supplies are adequate.
• Trash containers and pencil sharpeners hold only daily waste, are clean and odor-free.

Level 3 - Casual Inattention

• Floors are swept or vacuumed clean, but upon close observation there can be stains. A buildup of dirt and/or floor finish in corners and along walls can be seen.
• There are dull spots and/or matted carpet in walking lanes. There are streaks or splashes on base molding.
• All vertical and horizontal surfaces have obvious dust, dirt, marks, smudges, and fingerprints. Lamps all work and fixtures are clean.
• Trash containers and pencil sharpeners hold only daily waste, are clean and odor-free.

Level 4 - Moderate Dinginess

• Floors are swept or vacuumed clean, but are dull, dingy, and stained. There is a noticeable buildup of dirt and/or floor finish in corners and along walls.
• There is a dull path and/or obviously matted carpet in walking lanes. Base molding is dull and dingy with streaks or splashes.
• All vertical and horizontal surfaces have conspicuous dust, dirt, smudges, fingerprints, and marks. Lamp fixtures are dirty and some lamp (up to 5 percent) are burned out.
• Trash containers and pencil sharpeners have old trash and shavings. They are stained and marked. Trash containers smell sour.

Level 5- Unkempt Neglect

• Floors and carpets are dull, dirty, dingy, scuffed, and/or matted. There is a conspicuous buildup of old dirt and/or floor finish in corners and along walls. Base molding is dirty, stained, and streaked. Gum, stains, dirt, dust balls, and trash are broadcast.
• All vertical and horizontal surfaces have major accumulations of dust, dirt, smudges, and fingerprint, all of which will be difficult to remove. Lack of attention is obvious.
• Light fixtures are dirty with dust balls and flies. Many lamps (more than 5 percent) are burned out.
• Trash containers and pencil sharpeners overflow. They are stained and marked. Trash containers smell sour.

IV. Cleaning Guide

Resilient (Hard) Floor Care

Stripping and Preparing the Floor

Proper stripping requires the right equipment, good chemicals, adequate help and ample time. Stripping is very labor-intensive and disruptive to many facilities. It should only be performed when deep-scrubbing and recoating will no longer revive your floor. With proper care, a systematic floor maintenance system approach allows most users to experience strip cycles anywhere from one year to three years and even longer.

Step 1: Gather Equipment and Supplies

Proper stripping requires the right equipment and supplies.

Step 2: Gum Removal

Scrape up any gum, tape, or labels.

Step 3: Dust Mop

Dust mop the entire floor. Then roll up a towel and place it across all doorways to keep wet solutions contained.

Step 4: Dilute Chemicals

Fill one mop bucket (without a wringer) using cold water with properly diluted stripping solution.

Step 5. Wet Floor Signs

Place “Wet Floor” signs at both ends of work area.

Step 6: Apply stripper Solution to Edges

Apply a liberal amount of stripper solution to the corners and edges. Let it dwell for five minutes (do not let it dry on the floor). Using a scraper and /or Doodle Bug, completely detail the corners and edges.

Step 7: Apply Stripper Solution to Floor

Once the edges are finished, liberally apply stripper solution to 100 to 200 square feet of floor. Let it stand for five minutes. Using stripping pads and a single disc floor machine or an auto-scrubber, with full pad pressure, scrub until all finish is removed.

Step 8: Pick Up Soiled Stripper Solution

Using a wet/dry vacuum or an auto-scrubber, immediately pick up all striper residue.

Step 9: Rinse Floor

Double-rinse the floor using an auto-scrubber or mop and bucket. If rinsing with a mop and bucket, change rinse water frequently to insure that the floor is completely free of all residues. Be sure to pay close

attention to the edges and under counters. Inspect the floor for complete finish removal. All floor to dry completely before refinishing.

Finish Application Procedures

Step 1: Gather Equipment and Supplies

Step 2: Prepare Bucket

Start with a clean bucket. Pre-rinse a finish mop with clean water and wring it out thoroughly. Pour finish into the bucket.

Step 3: Wet Floor Signs

Place “Wet Floor” signs at both ends of the work area.

Step 4: Prepare Mop

Dip your mop into the finish and carefully twist out or wring out the excess finish. Your mop should be well-saturated but not dripping.

Step 5: Frame Finish Area (First Coat)

Frame a small area to be finished up to the baseboards approximately 15 feet at a time and wide enough for a comfortable figure-eight swing of the mop. Always work towards your bucket.

Step 6: Fill in Middle

Then fill in using the figure-eight motion. Proceed with this fashion until the entire work area is completed.

Step 7: Refinish (Middle Coats)

Once the first coat is fully dry (30 minutes under normal conditions), apply the second coat. This time create an outline as is Step 5 but stay 6 inches away from the baseboards. Fill in the middle with a figure-eight motion. Repeat until ready for last coat.

Step 8: Refinish (Last Coat)

Follow procedures as outlined in Step 4. Outline a small area to be finished up to the baseboards. Then fill it in using the figure-eight motion.

Wood Floor Care Manual

Daily and Weekly Maintenance

Step 1:

Be sure to adequate walk-off mats exist at each entrance and that they are vacuumed daily.

Step 2:

Carefully remove tape, labels and gum with a putty knife. Angle the blade so you don't damage the finish.

Step 3:

Dust mop the floor twice daily. Keeping grit off the floor will greatly extend the finish life and appearance.

Step 4:

Damp mop weekly using a Neutral Cleaner.

To prevent severe floor damage, be sure to avoid saturating the floor with cleaning solution.

Carpet Care Manual

Surface Cleaning Instructions

Surface Cleaning Procedures

There are two common surface cleaning systems: Bonnet Cleaning and Fast Extraction. Each is designed to remove the 10% of oily soil that cannot be vacuumed from carpeting.

Bonnet Cleaning

Step 1: Vacuum

Vacuum and remove all spots from the carpet.

Step 2: Pre-treat

Pre-spray traffic lanes with cleaner.

Step 3: Prepare Bonnet

Mix cleaner. Lightly pre-spray the bonnet to lubricate it.

Step 4: Divide Cleaning Area

Visually divide the carpet into areas approximately 10’ x 10’ and spray the area to be cleaned with the carpet shampoo using a tank sprayer.

Step 5: Let Chemical Work

For light soil, buffing can begin immediately. For heavy soil, let the chemical work for five minutes before buffing.

Step 6: Buff Cleaning Area

Buff from side-to-side in overlapping circular motions. Remember to turn and change the bonnet pads as they become soiled. Continue spraying and buffing 10’ x 10’ areas until your entire work area is cleaned.

Step 7: Replace Furniture

Replace furniture on carpet tabs to prevent legs from causing discoloration or rust spots on the carpet.

Daily Cleaning Instructions

Vacuuming Procedures

90% of the soil entering a building is particulate or dry) soil. Vacuuming controls the dry soil. When soil is left on the surface of carpeting, foot traffic works it into the pile, creating abrasion of the fibers which causes a dull appearance. Frequent vacuuming removes particulate soil before fiber abrasion occurs. It also reduces the need for more labor-intensive cleaning.

Vacuum Cleaner Recommendations:

- Vacuums with good suction and agitation work best.
- A rotating brush should be used on carpet tiles and carpets glued directly to the floor without cushion.
- Vacuums with beater bars should be used on carpet installed over padding.

Vacuuming Hints:

- Easily moved items, such as light furniture, should be moved to one side of the room for uninterrupted vacuuming of at least half the room.
- Check the bag frequently and replace it when it's two-thirds full.

Matting Procedures

Placement of walk-off mats at entrances is your first line of defense against soil.

Step 1: Mat Location

Be sure to place mats at all entrances and at service doors and elevators and place them inside and outside entryways.

Step 2: Mat Placement

Walk-off mats should run perpendicular to the doorway so at least 5-8 steps are taken on the matting. This removes the maximum amount of soil before moving onto carpet.

Step 3: Mat Maintenance

Regular vacuuming and periodic cleaning will greatly enhance the overall appearance and functionality of your mats.

Restroom Care Manual

Hourly Restroom Maintenance

Step 1: Assemble Supplies

Step 2: Place Caution Signs

Place Out-Of-Service and/or Wet Floor Sign in front of door.

Step 3: Restock Paper Products

Restock all paper products including hand towels and toilet tissue.

Step 4: Refill Dispensers

Refill any empty soap dispenser.

Step 5: Remove Trash

Full trash containers should be emptied. Be sure to pick up debris on floor.

Step 6: Inspect Mirrors and Fixtures

All sinks, toilets, urinals, countertops, mirrors and paper towel dispensers should be clean. Clean as necessary with neutral cleaner. Disinfectant should be used on all touchpoints. Remove graffiti when present.

Step 7: Inspect Floor

Remove any trash or debris from floor. If necessary, mop floor with neutral cleaner.

Daily Restroom Maintenance

Step 1: Assemble Supplies

Step 2: Place Caution Signs

Place Out-Of-Service and/or Wet Floor Sign in front of door.

Step 3: Restock Paper Products

Restock all paper products including hand towels and toilet tissue.

Step 4: Refill Dispensers

Refill any empty soap dispenser.

Step 5: Toilet Bowls and Urinals

Push the water over the toilet traps with a bowl swab. Using a bucket and bowl swab, apply neutral cleaner evenly around toilet bowls and urinals and scrub using bowl swab.

Step 6: Pre-spray Fixtures

Sinks, countertops, chrome, porcelain, toilets, toilet seats, urinals and fixture handles should be pre-spray with a disinfectant. Let stand for 10 minutes. Heavily soiled sinks and countertops should be cleaned first with a neutral cleaner.

Step 7: Clean Mirrors

All mirrors, windows and glass should be cleaned with a neutral cleaner.

Step 8: Spray and Wipe Hard Surfaces

Hand dryers, dispenser handles, door handles and push plates, light switches, and baby changing stations should be sprayed with a disinfectant and wiped dry with a clean cloth.

Step 9: Return to Fixtures

Working from top down, return to fixtures and countertops that were previously sprayed down with disinfectant. Wipe toilet seats, toilet exterior, urinals, chrome, sinks and countertops and dry with a clean cloth.

Step 10: Walls and Partitions

Spot clean walls and partitions with a neutral cleaner.

Step 11: Sweep Floor

Use broom to sweep corners and other hard-to-reach areas. Scrape gum from floor with putty knife. Consolidate soil and dispose of it in trash container.

Step 12: Remove Trash

Empty all trash containers.

Step 13: Mop Floor

Place wet floor sign at entrance of restroom. Mop floor with neutral cleaner.

Step 14: Clean Drains

One night per week, pour 4 to 8 ounces of disinfectant down each sink drain, urinal and floor drain.

Walls

1. Walls shall be cleaned in accordance with the schedule shown on the frequency chart.
2. Scuff marks and other marks or dirt on the walls shall be removed to maintain a clean appearance.
3. If the appearance of the wall is altered after spot cleaning the entire wall must be cleaned.

Windows and Window Frames

The windows and window Frames shall be cleaned as specified in the frequency.

Furniture

Furniture shall be cleaned in accordance with the frequency chart. This is to include all desk tops and the underside of the desk top, removing gum, etc..

Horizontal Surfaces

All horizontal surfaces, including desk, chairs, casework, and furnishings shall be kept free of dust and soil. Cleaners shall be used in a manner that imparts a glossy look, without leaving a discernible residue or without damaging the surface material.

Other Appurtenances

Blinds, curtains drapes, vents, fountains and all other appurtenances shall be cleaned as specified in the frequency chart.

Mechanical and Electrical Equipment Rooms

These areas, while not graded during formal inspections, shall be maintained in an orderly and clean fashion.

V. Summer Cleaning

It is the expectation of DCSD that the schools will be deep cleaned and fresh wax put down during the summer. A summer cleaning schedule be made for each school. DCSD expects this cleaning to be done in a certain specified sequence. This sequence is as follows:

The schools should be cleaned from top to bottom and back to front.

Classrooms

1. Area rugs removed to an area to for cleaning. No dirty rugs are to be stacked on the clean furniture that is in the hallways.
2. All trash removed from the school.
3. All furniture cleaned inside the classrooms. The cleaning of the furniture includes the removal of marks, graffiti, and gum. Once cleaned, the furniture may be moved out into the hallways. No dirty furniture is to be placed in the hallways.
4. Do not remove computer tables or unplug any equipment.
5. Hi-low dusting performed. This is to include all light lenses and fixtures.
6. Walls wiped down and scrubbed where necessary. This is to include all spills and marks, and graffiti removed. No tape residue or staples should be remaining.
7. Windows washed. Windows shall be cleaned with no tape residue or marks remaining.
8. All horizontal surfaces wiped down. This includes sinks and chalk/whiteboard trays.
9. Once all other areas are complete in the classroom, the floors may be stripped. There should be no old wax, tape, or other

residue or foreign objects visible on the floors once the stripping has been completed.

10. At this time, a Trades Supervisor shall be notified that the room is ready to be inspected for approval for laying wax. Once the Trades Supervisor has given their approval, the custodians may proceed with the laying the 4 coats of wax on the floor.
11. Once the wax has dried, the furniture may be moved back into the room.

Hallways

1. Hi-low dusting performed. This is to include all light lenses and fixtures.
2. Walls wiped down and scrubbed where necessary. This is to include all spills and marks, and graffiti removed. No tape residue or staples should be remaining.
3. Windows washed. Windows shall be cleaned with no tape residue or marks remaining.
4. All horizontal surfaces wiped down. This includes any student lockers.
5. Once all other areas are complete in the hallways, the floors may be stripped. There should be no old wax, tape, or other residue or foreign objects visible on the floors once the stripping has been completed.
6. At this time, a Trades Supervisor shall be notified that the room is ready to be inspected for approval for laying wax. Once the Trades Supervisor has given their approval, the custodians may proceed with the laying the 4 coats of wax on the floor.

Restrooms

1. Hi-low dusting performed. This is to include all light lenses and fixtures.
2. Walls wiped down and scrubbed where necessary. This is to include all spills and marks, and graffiti removed.
3. All partitions wiped down and scrubbed.
4. All fixtures wiped and scrubbed down.
5. Windows washed. Windows shall be cleaned with no tape residue or marks remaining.
6. All horizontal surfaces wiped down.
7. Floors shall be deep cleaned and scrubbed. This deep cleaning shall be done with a low speed and grout brush or a pressure washer.
8. Floor drains shall be cleaned.

Media Centers

1. Hi-low dusting performed. This is to include all light lenses and fixtures.
2. Walls wiped down and scrubbed where necessary. This is to include all spills and marks, and graffiti removed. No tape residue or staples should be remaining.
3. Windows washed. Windows shall be cleaned with no tape residue or marks remaining.
4. All horizontal surfaces wiped down. This includes any student lockers.
5. All carpeting vacuumed and cleaned.

VI. Frequency Chart

The following frequency chart has been established to help facilitate a consistent standard across the District.

AREA	DAILY	AS NEEDED	WEEKLY
GROUNDS (if applicable)			
1. Policing			
- Pick up paper (perimeter of facility)	X		
- Empty trash cans (perimeter of facility)	X		
- Sweep/Blow (all entrance/exit to facility)	X		
- Sweep/Blow (sidewalks leading to main entrance of facility)	X		
- Empty trash cans (parking lots, fields, etc.)	X		
CAFETERIAS			
1. Ceilings			
- Remove cobwebs/dust		X	
2. Light fixtures			
- Dust		X	
- Damp clean/Wipe down thoroughly		X	
3. Vents, Horizontal Surfaces			
- Dust		X	
- Damp clean/Wipe down thoroughly		X	
4. Blinds or Shades			
- Dust		X	
- Damp clean/Wipe down thoroughly		X	
- Clean windows	X		
5. Walls and Doors			
- Spot wash-remove marks & scuffs	X		
- Clean glass	X		
- Wash thoroughly		X	
- Clean & disinfect push plates, knobs, handles		X	
- Clean/polish kick plates		X	
6. Sinks, Counters, Water fountain			
- Disinfect and clean	X		
7. Furniture and Equipment			
- Wash tables thoroughly & disinfect. Remove gum.	X		
8. Trash Cans			
- Empty and replace liners.	X		
- Wash thoroughly & disinfect	X		X
9. Baseboards			
- Scrub clean		X	
10. Floors			
- Sweep. Wet mop/auto scrub	X		
- Burnish		X	

AREA	DAILY	AS NEEDED	WEEKLY
RESTROOMS			
1. High & Low Cleaning			
- Remove debris from ceiling		X	
- Clean windows		X	
- Dust, remove cobwebs		X	
2. Exhaust, ventilation grills, light fixtures			
- Dust		X	
- Damp clean/Wipe down thoroughly		X	
3. Walls, partitions			
- Wash thoroughly & disinfect	X		
- Remove graffiti	X		
- Remove gum	X		
4. Fixtures-urinals, sinks, commodes, pipes			
- Clean and Disinfect	X		
5. Counters, bright metal			
- Wash thoroughly & disinfect	X		
6. Dispensers-replenish supplies			
- Soap	X		
- Paper	X		
7. Waste receptacles			
- Empty	X		
- Replace liners	X		
- Wash thoroughly & disinfect		X	X
8. Floor			
- Sweep	X		
- Wet mop & disinfect	X		
- Deep clean with low speed using tile and grout brush or pressure washer.			X
- Floor drains -Clean			X
9. Doors			

AREA	DAILY	AS NEEDED	WEEKLY
CLASSROOMS, ART ROOMS, LABS			
1. High & Low Cleaning			
- Dusting/removing cobwebs		X	
2. Exhaust, Vents, Grills, Lights Fixtures			
- Dust		X	
- Damp clean/wipe down thoroughly		X	
3. Walls			
- Spot wash-remove marks & scuffs	X	X	
4. Chalkboards/Marker boards Trays			
- Clean	X		
5. Windows			
- Spot Clean (inside) classrooms	X	X	
- Dust window seals remove cobweb	X	X	
6. Blinds and Shades			
- Dust		X	
7. Furniture/Fixture- Desks, Counters, Sinks, Fount.			
- Dust		X	
- Damp Wipe/disinfect	X	X	
- Disinfect sinks and water fountains	X		
8. Waste Receptacles, Pencil Sharpeners			
- Empty (includes pencil sharpener)	X		
- Wash thoroughly & disinfect		X	X
9. Floors			
- Dust Mop/spot mop	X		
- Machine scrub & recoat (25% per schedule)			X
10. Floor (Carpeted)			
- Vacuum/Remove Gum	X		
- Spot Clean /Shampoo/Extract		X	
11. Doors			
- Clean glass		X	

AREA	DAILY	AS NEEDED	WEEKLY
CORRIDORS, COMMON AREAS			
1. Diffusers, Vents, Light Fixtures			
- Dust/Wipe down thoroughly		X	
2. Walls/Furnishings			
-Dust/ Spot wash-remove marks & scuffs		X	
3. Foyer			
- Dust ledges, sills		X	
- Dust displays		X	
4. Doors			
- Damp wipe/clean		X	
5. Water Fountains			
- Clean and disinfect	X		
6. Waste Receptacles			
- Empty	X		
7. Cove Base			
- Clean and remove scuffs		X	
8. Mats (Inside/Outside)			
- Vacuum	X		
9. Floors			
- Dust Mop/spot mop	X		
- Auto scrub/Burnish	X		
10. Glass			
- Clean windows	X		
STAIRWELLS			
1. High & Low Cleaning			
- Dust, remove cobwebs		X	
2. Steps			
- Sweep/spot mop	X		
- Scrub		X	
3. Hand Rails			
- Dust/damp wipe		X	
4. Glass			
- Clean windows		X	

MEDIA CENTER			
1. High & Low Cleaning			
- Dust, remove cobwebs		X	
2. Exhaust, Vents, Grills, Lights Fixtures			
- Dust/wipe down thoroughly		X	
3. Walls and Doors			
- Damp wipe/spot Clean		X	
- Clean push plates, knobs, handles		X	
4. Windows			
- Spot Clean (inside) classrooms		X	
- Dust window seals remove cobweb		X	
5. Blinds and Shades			
- Dust		X	
6. Furniture			
- Dust/Damp wipe	X		
- Disinfect sinks and water fountains	X		
7. Waste Receptacles, Pencil Sharpeners			
- Empty (includes pencil sharpener)	X		
- Wash thoroughly & disinfect		X	
8. Floors (non-carpeted)			
- Dust mop/spot mop	X		
- Machine scrub/burnish			X
9. Floors (carpeted)			
- Vacuum	X		
- Spot Clean	X		
AUDITORIUMS/THEATERS			
1. High & Low Cleaning			
- Clean windows		X	
Fixtures			
- Dust		X	
- Damp clean/wipe down thoroughly		X	
3. Walls and Doors			
- Damp wipe/spot Clean		X	
- Clean glass		X	
- Clean & disinfect push plates, knobs, handles		X	
4. Blinds or Shades			
- Dust		X	

5. Furniture			
- Dust		X	
- Vacuum		X	
- Spot Clean		X	
6. Mechanical Equipment			
- Dust		X	
7. Baseboards			
- Damp clean		X	
8. Floors (non-carpeted)			
- Dust mop/spot mop	X		
- Machine scrub/burnish			X
9. Floors (carpeted)			
- Vacuum/spot clean	X	X	
10. Wastebaskets			
- Empty	X		
- Wash thoroughly & disinfect		X	
Multipurpose Areas and Gyms			
1. High & Low Cleaning			
- Clean windows	X		
- Dust, remove cobwebs	X		
2. Walls			
- Spot wash & remove marks		X	
3. Bleacher			
- Sweep	X		
- Spot wash & remove marks		X	
4. Under Bleachers			
- Sweep/spot mop	X		
- Remove debris	X		
5. Floors			
- Dust mop/spot mop	X		
- Machine scrub			X
6. Waste Cans			
- Empty and clean	X		
- Wash thoroughly & disinfect		X	X

SHOWER ROOMS (GIRLS & BOYS)			
1. High & Low Cleaning			
- Remove debris from ceiling		X	
- Dust, remove cobwebs		X	
2. Exhaust, ventilation grills, light fixtures			
- Dust/damp clean/Wipe down thoroughly		X	
3. Walls, partitions			
- Clean & disinfect	X		
- Remove graffiti	X		
4. Fixtures-urinals, sinks, commodes, pipes			
- Clean and Disinfect	X		
5. Counters, bright metal			
- Clean and Disinfect	X		
6. Dispensers-replenish supplies			
- Soap/paper	X		
7. Waste receptacles			
- Empty	X		
- Wash thoroughly & disinfect		X	
8. Floor			
- Sweep/mop	X		
- Machine scrub (thoroughly rinse)			X
- Floor drains - clean			X
9. Doors			
- Clean & disinfect push plates, knobs, handles		X	
- Clean/polish kick plates		X	
OFFICES			
1. High & Low Cleaning			
- Dusting / removing cobwebs		X	
2. Exhaust, Vents, Grills, Lights Fixtures			
- Dust/damp clean/Wipe down thoroughly		X	
3. Walls			
- Damp wipe/spot Clean		X	
4. Windows			
- Clean	X		
- Dust window seals remove cobweb		X	

5. Blinds and Shades			
- Dust	X	X	
6. Furniture			
- Dust/damp wipe	X		
7. Waste Receptacles			
- Empty	X		
- Wash thoroughly & disinfect		X	X
8. Floors (non-carpeted)			
- Dust mop/spot mop	X		
- Machine scrub/burnish			X
9. Floors (carpeted)			
- Vacuum/spot clean	X		
10. Doors			
- Clean glass	X		
- Clean & disinfect push plates, knobs, handles		X	
CUSTODIAL CLOSETS			
1. High & Low Cleaning			
- Dusting/removing cobwebs		X	
2. Exhaust, Vents, Grills, Lights Fixtures			
- Damp clean/wipe down thoroughly		X	
3. Walls			
- Damp wipe/spot clean		X	
4. Fixtures, Shelves, Tools			
- Clean Sinks	X		
5. Equipment			
- Clean, rinse off/out, wipe down			
6. Floor			
- Sweep		X	
- Wet mop & disinfect		X	
- Floor drains - clean			X
7. Doors			
- Clean & disinfect push plates, knobs, handles		X	

VII. Route Sheet

The following is a sample route sheet for a custodian that comes in at 6:30 am. This is only an example. These sheets can be customized for each individual school, based on needs. It has been found that using routes sheets like this can help custodians work more efficiently and effectively.

School: _____

Employees Name: _____

6:30-3:00

DAY CUSTODIAN Schedule

TIME ALLOCTMENT	AREA OF BUILDING	TASK	COMPLETED (Y/N)	INITIALS
6:30-6:45 AM	Office Suite	**Visual check out side lights-- Badge In-- turn alarm off check for points that have been triggered --Punch in** Call in problems to Region		
6:45 AM 7:30 AM	Interior Building	Turn lights on halls (check ceiling tile & floor tile Check/stock restrooms (run water sinks, flush toilets & urinals)		
7:30 AM 7:35 AM	Cafeteria	Spot check Café for correct setup (tables, trash cans)		
7:35 AM 9:00 AM	Grounds and	Hang Flags, Clean front entrance Police Campus entire grounds surrounding building to include Parking Lot. Remove any Liter, debris from premises. Empty trash receptacle on grounds (if applicable)		
	Cafeteria	Thoroughly clean Cafeteria after Breakfast to include: Clean tables, thoroughly sweep floor to include damp mopping, remove trash, spray disinfect in trash receptacles and reline with new trash bags, prepare for Lunch Time		
9:30 AM 10:30 AM	General Duties	Service restrooms, halls, stairways, lobby glass, drinking fountains,		
10:30 AM 11:30 AM	Lunch	Lunch clock out and in Must be clocked back in from lunch by 11:30pm School lunch from 10:30am-1:00 pm		
11:30 PM	Cafeteria	Cafeteria: Empty Trash bags in to Tilt truck reline trash cans		
11:45 PM	General Duties	Change light bulbs/ceiling tile, touch up painting. Times are approximate to allow for dealing with vandalism, shipments received, calling SRT, moving furniture, doing inspections, making small repairs and responding to teacher/principal requests, assist mechanic/manager		
1:00 PM	Cafeteria	**Thoroughly clean Cafeteria after lunch to include: Clean tables, thoroughly sweep floor to include damp mopping, remove trash, spray disinfect in trash receptacles and reline with new trash bags, prepare for Next Day**		
2:00 PM	Restrooms	Spot service restrooms by Cafeteria and staff restrooms		
2:35 PM	Custodial Cart	**Re stock custodial cart with soap, paper towels, toilet paper, clean mop and mop bucket rinse out mop head and hang to dry leave any notes**		
2:55PM 3:00PM	**Sign Out**	**Sign Out**		
		Respond to emergencies as needed thorough out the day		

VIII. Inspections

A monthly graded inspection will be completed by a Trades Supervisor on each DCSD school. If the trades Supervisor notes any deficiencies during their inspection, they will give a copy of the inspection with a "Needs Servicing" note. When this has been noted, it is the custodian's responsibility to take corrective action within the allotted time noted in the report.

The Trades Supervisor will perform a follow-up inspection to check on the status of the corrective action.

Floors cited for waxing or stripping will be evaluated based on the size and scope of the problem and the time allotted for correction will be adjusted accordingly.

IX. Inspection Sheets

The following are blank inspections sheets that the Trades Supervisor will fill out as they are performing the graded inspections on the schools. The scores will range from 1-5. At DCSD, our standard is a level two or better. A level 1 is considered Hospital level cleaning. The scoring is weighted.

CLASSROOMS	Room #	Dry-Marker	Floors	Horizontal Surfaces	Light Fixtures	Trash Receptacles	Verticals Surfaces	Comments
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								

CAFETERIA	Room #	Dry-Marker	Floors	Horizontal Surfaces	Light Fixtures	Trash Receptacles	Verticals Surfaces	Comments

CORRIDORS	Locations	Floors	Horizontal Surfaces	Light Fixtures	Verticals Surfaces	Carpet Mats	Comments
1							
2							
3							
4							
5							

TWR/ LOUNGE	Locations	Floors	Horizontal Surfaces	Light Fixtures	Verticals Surfaces	Trash Receptacles	Comments
1							
2							
3							
4							

OFFICE AREA(S)	Locations	Dry-Marker	Floors	Horizontal Surfaces	Light Fixtures	Trash Receptacles	Verticals Surfaces	Comments
1								
2								
3								
4								
5								
6								
7								
RESTROOMS	Locations	Light Fixtures	Floor Drain	Urinals Commodes	Trash Receptacles	Horizontal Surfaces	Verticals Surfaces	Comments
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
STAIRWELLS	Steps	Landings	Light Fixtures	Horizontal Surfaces	Verticals Surfaces		Comments	
1								
2								
3								
4								
5								
6								
7								

MEDIA CENTER	Carpet	Horizontal Surfaces	Light Fixtures	Verticals Surfaces	Trash Receptacles	Comments

AUDITORIUM THEATRE	Carpet	Light Fixtures	Verticals Surfaces	Trash Receptacles	Comments

CLINIC	Floor	Light Fixtures	Trash Receptacle	Verticals Surfaces	Comments

LOCKER ROOM	Locations	Floor	Light Fixtures	Lockers Benches	Showers	Trash Receptacles	Verticals Surfaces	Comments
1								
2								

GYM MULTIPURPOSE ROOM	Floor	Light Fixtures	Bleachers	Verticals Surfaces	Trash Receptacles	Comments
1						
2						

CUSTODIAL STORAGE	Location	Floor	Light Fixtures	Equipment	Verticals Surfaces	Comments
1						
2						
3						
4						
5						
6						
7						
8						

X. Daily Inspection Sheet

The daily inspection sheet is a tool used by the Head Custodian or Plant Engineer to get a snapshot of the school and the readiness to receive students. It is used to keep the Principal and/or their designee updated on the cleanliness level of their school. It is also a tool to help the Trades Supervisor informed of the status of individual schools between site visits.

Must be done daily. Custodial Support Needed ☐

Must be submitted daily to appropriate persons/office

Copy must be retained for min of 2 weeks when corrected- destroy Maintenance Support Needed** ☐

School/Facility: _____ Inspected By: _____

Date of Inspection: _____ Inspection Time: _____

Note: DCSD strives to maintain all facilities at a high level of cleanliness

* Floors are clean with no buildup in corners or along walls, no debris is present and wet mopping has been completed where nece

* Carpet has been spot cleaned and vacuumed *All vertical and horizontal surfaces are clean

* All Restroom surfaces are clean, sanitized and odor-free. Supplies should be stocked nightly.

* Trash containers are empty and liners replaced. *Pencil sharpeners are emptied daily.

AREA	ACCEPTABLE	NEED SERVICING	UNACCEPTABLE	DCSD Trades Supervisor (NOTED DEFICIENCIES)	Corrective Action (Please Check one)			Time Frame Given (Please Check one)				DATE
					Fax	Email	Phone	Immediate	24 hrs	48 hrs	Planned	
Grounds												
Cafeteria												
Restrooms												
Classrooms												
Corridors												
Stairwells												
Media Center												
Offices												
Lounges												
Gym												
Gym boys restroom												
Gym girls restroom												
Clinic												
Custodial Storage												

SPECIAL CLEANING		
START DATE	COMPLETION DATE	COMMENTS

XI. Job Descriptions

The following job descriptions are for the site-based personnel who are essential in a successful Custodial Program.

1. Custodian

DeKalb County School District
Position Specification

Title: **Custodian**

DIVISION: School-Based or Central Office Divisions	**GRADE:** 106
DEPARTMENT: School-Based or Central Office Divisions	**WORK DAYS:** 246
REPORTS TO: Head Custodian or Plant Engineer	**FLSA STATUS:** Non-Exempt
RETIREMENT: Public School Employee Retirement	**APPROVED (HCM):** July 1, 2019

General Statement of Job

Maintains the interior and exterior in all areas of assigned buildings.

Specific Duties and Responsibilities

Essential Functions:

The following duties are representative for this position. The omission of specific statements of duties does not exclude them from the classification if the work is similar, related, or a logical assignment for this classification. Other duties may be required and assigned.

• Cleans and maintains the cleanliness of all interior and exterior areas of the building
• Moves furniture and equipment within the facility as required for various activities as directed
• Works on site premises during periods when principal or building administrator has authorized use of building for special activities
• Performs other duties as assigned

Education and/or Experience

High school diploma or GED equivalent required.

Minimum of six (6) months previous custodial services experience preferred.

Certificates, Licenses, Permits None

Knowledge, Skills & Abilities

Knowledge of the methods, materials, tools, equipment and practices used in maintenance; the occupational hazards and safety precautions of the trades involved; equipment maintenance and repair techniques; and standard custodial procedures and practices.

Skill in effective oral, written, and interpersonal communication; care and use of industrial supplies and equipment, and customer service.

Ability to detect defects in equipment and to make or report need for proper repairs or adjustments accordingly; interpret and work from schematic diagrams and drawings; work with hands in mechanically oriented situations; learn repetitive tasks quickly; demonstrate continuous physical effort including bending, walking, manipulation of and heavy lifting of equipment; use relevant hand tools and custodial equipment; and work effectively as a member of a team.

ADA Requirements:

Heavy Work: Exerting up to 100 pounds of force occasionally, and/or up to 50 pounds of force frequently, and/or up to 20 pounds of force constantly to move objects.

Climbing: Ascending and descending ladders, stairs, scaffolding ramps, poles and the like using feet and legs and/or hands and arms. Body agility is emphasized.

Balancing: Maintaining body equilibrium to prevent falling when walking, standing or crouching on narrow, slippery or erratically moving surfaces.

Stooping: Bending body downward and forward by bending spine at the waist. Requires full use of the lower extremities and back muscles.

Kneeling: Bending legs at knee to come to a rest on knee or knees.

Crouching: Bending the body downward and forward by bending leg and spine.

Reaching: Extending hand(s) and arm(s) in any direction.

Standing: Particularly for sustained periods of time.

Walking: Moving about on foot to accomplish tasks, particularly for long distances.

Pushing: Using upper extremities to press against something with steady force in order to thrust forward, downward or outward.

Pulling: Using upper extremities to exert force in order to draw, drag, haul or tug objects in a sustained motion.

Lifting: Raising objects from a lower to a higher position or moving objects horizontally from position-to-position. Requires the substantial use of the upper extremities and back muscles.

Reaching: Extending hand(s) and arm(s) in any direction.

Fingering: Picking, pinching, typing or otherwise working, primarily with fingers rather than with the whole hand or arm as in handling.

Talking: Expressing or exchanging ideas by means of the spoken word. One must have the ability to convey detailed or important spoken instructions to others accurately, loudly, or quickly.

Hearing: Ability to receive detailed information through oral communication; and to make fine discrimination in sounds, such as when making fine adjustments on machined parts with or without correction.

Vision: The ability to perceive the nature of objects by the eye. Acuity (near and far vision), depth perception (three dimensional vision), accommodation (adjustment of lens to eye to bring an object into sharp focus), field of vision (area that can be seen up and down or to the right or left while eyes are fixed on a given point) and color vision (ability to distinguish and identify colors) are required factors.

Repetitive Motions: Substantial movements (motions) of the wrists, hands, and/or fingers.

Performance Factors:

Interaction with Others: Ability to maintain, on a regular and consistent basis, relationships that are not characterized by high levels of hostility, social withdrawal or failure to communicate. Ability to be flexible in situations relative to daily routines. Ability to demonstrate sensitivity to the differences among diverse populations.

Concentration: Ability to maintain workflow and thought processes in the presence of frequent distractions. Ability to ignore irrelevant sights or sounds and intrusive thoughts or stimuli. Ability to manage multiple tasks simultaneously with only few or no errors.

Stressful Circumstances: Ability to produce quality work when short or unexpected deadlines are presented. Ability to adjust work processes without incident when new and unexpected directions are given relative to a project that may be in process. Ability to maintain composure and not compound a situation when interacting with persons who may be angry, demanding or otherwise less than polite.

Independent Judgment: Ability to complete work tasks without being given procedure directions relative to works steps or the final project.

Decision Making: Ability to make appropriate business decisions.

Organizational Skills: Ability to establish priorities; simultaneously manage multiple tasks; and deliver a quality work product by a designated deadline.

Attention to Detail: Ability to recognize errors or layout features that detract from the physical attractiveness or accuracy of a work product.

Public Contact: Ability to communicate professionally and effectively, both verbally and in writing, with superiors, colleagues, and other individuals within and external to the school system. Ability to demonstrate professionalism while interacting with others and to maintain constructive working relationships.

Attendance and Dependability: Ability to be depended on to report to work at the scheduled time and to seldom be absent from work. Ability to complete work in a timely, accurate manner and to be conscientious about work performance.

2. Head Custodian

DeKalb County School District
Position Specification

Title: **Custodian, Head**

DIVISION: School-Based	**GRADE:** 108
DEPARTMENT: School-Based	**WORK DAYS:** 246
REPORTS TO: Principal or Plant Engineer	**FLSA STATUS:** Exempt
RETIREMENT: Teachers Retirement System	**APPROVED (HCM):** July 1, 2019

General Statement of Job

Under direct supervision, provides supervision, guidance and training for assigned custodial personnel at a DeKalb County School System (DCSD) facility and performs required duties to maintain clean, sanitary, attractive, safe and orderly environment.

Specific Duties and Responsibilities

Essential Functions:
The following duties are representative for this position. The omission of specific statements of duties does not exclude them from the classification if the work is similar, related, or a logical assignment for this classification. Other duties may be required and assigned.

• Performs various custodial and maintenance duties such as cleaning, landscaping, stripping and waxing floors, replacing ceiling lights/ tiles and making minor repairs to building equipment.
• Moves furniture and equipment within the facility as required for various activities as directed.
• Provides guidance in performing regular custodial tasks and special project work.
• Makes requisitions for custodial supplies, materials and equipment necessary for the proper maintenance and safety of the facility and submits to appropriate administrators.
• Works on-site premises during periods when principal or building administrator has authorized use of building for special activities.
• Maintains necessary records and prepares reports concerning operations and performance.
• Conducts formal and informal inspections of the building and grounds.
• Performs other duties as assigned.

Education and/or Experience:
High school diploma or GED equivalent required.

Minimum of three (3) years of closely related experience is required.

Certificates, Licenses, Permits: None.

Knowledge, Skills & Abilities:

Knowledge of the methods, materials, tools, equipment and practices used in maintenance of facilities; the occupational hazards and safety precautions of the trades involved; plumbing, electrical, construction and air conditioning equipment; building and maintenance repairs; landscaping; electrical systems; building codes; plumbing; air conditioning and heating; and approved procedures, equipment and materials related to building maintenance and custodial services.

Skill in effective oral, written, and interpersonal communication; care and use of industrial heating, cooling, plumbing, and electrical tools and equipment; record keeping; basic mathematics; time management; and operation of required equipment applications.

Ability to detect defects in equipment and to make or report proper repairs or adjustments accordingly; interpret and work from schematic diagrams and drawings; work with hands in mechanically oriented situations; learn repetitive tasks quickly; demonstrate continuous physical effort including bending, walking, manipulation of and heavy lifting of equipment; prioritize assignments; manage multiple tasks simultaneously; and plan, direct and supervise the work of others.

ADA Requirements:

Heavy Work: Exerting up to 100 pounds of force occasionally, and/or up to 50 pounds of force frequently, and/or up to 20 pounds of force constantly to move objects.

Climbing: Ascending and descending ladders, stairs, scaffolding ramps, poles and the like using feet and legs and/or hands and arms. Body agility is emphasized.

Balancing: Maintaining body equilibrium to prevent falling when walking, standing or crouching on narrow, slippery or erratically moving surfaces.

Stooping: Bending body downward and forward by bending spine at the waist. Requires full use of the lower extremities and back muscles.

Kneeling: Bending legs at knee to come to a rest on knee or knees.

Crouching: Bending the body downward and forward by bending leg and spine.

Crawling: Moving about on hands and knees or hands and feet.

Reaching: Extending hand(s) and arm(s) in any direction.

Standing: Particularly for sustained periods of time.

Walking: Moving about on foot to accomplish tasks, particularly for long distances.

Pushing: Using upper extremities to press against something with steady force in order to thrust forward, downward or outward.

Pulling: Using upper extremities to exert force in order to draw, drag, haul or tug objects in a sustained motion.

Lifting: Raising objects from a lower to a higher position or moving objects horizontally from position-to-position. Requires the substantial use of the upper extremities and back muscles.

Fingering: Picking, pinching, typing or otherwise working, primarily with fingers rather than with the whole hand or arm as in handling.

Grasping: Applying pressure to an object with the fingers and palm.

Feeling: Perceiving attributes of objects, such as size, shape, temperature or texture by touching with skin, particularly that of fingertips.

Talking: Expressing or exchanging ideas by means of the spoken word. Those activities in which one must convey detailed or important spoken instructions to others accurately, loudly, or quickly.

Hearing: Ability to receive detailed information through oral communication and to make fine discrimination in sounds, such as when making fine adjustments on machined parts with or without correction.

Vision: The ability to perceive the nature of objects by the eye. Acuity (near and far vision), depth perception (three dimensional vision), accommodation (adjustment of lens to eye to bring an object into sharp focus), field of vision (area that can be seen up and down or to the right or left while eyes are fixed on a given point) and color vision (ability to distinguish and identify colors) are required factors.

Repetitive Motions: Substantial movements (motions) of the wrists, hands, and/or fingers.

Performance Factors:

Interaction with Others: Ability to maintain, on a regular and consistent basis, relationships that are not characterized by high levels of hostility, social withdrawal or failure to communicate. Ability to be flexible relative to daily routines. Ability to demonstrate sensitivity to the differences among diverse populations.

Concentration: Ability to maintain workflow and thought processes in the presence of frequent distractions. Ability to ignore irrelevant sights or sounds and intrusive thoughts or stimuli. Ability to manage multiple tasks simultaneously with only few or no errors.

Stressful Circumstances: Ability to produce quality work when short or unexpected deadlines are presented. Ability to adjust work processes without incident when new and unexpected directions are given relative to a project that may be in process. Ability to maintain composure and not compound a situation when interacting with persons who may be angry, demanding or otherwise less than polite.

Independent Judgment: Ability to complete work tasks without being given precise directions relative to work steps or the final project.

Organizational Skills: Ability to establish priorities; simultaneously manage multiple tasks; and deliver a quality work product by a designated deadline.

Attention to Detail: Ability to recognize errors or layout features that detract from the physical attractiveness or accuracy of a work product.

Public Contact: Ability to communicate professionally and effectively, both verbally and in writing, with superiors, colleagues, and other individuals within and external to the school system. Ability to demonstrate professionalism while interacting with others and to maintain constructive working relationships.

Attendance and Dependability: Ability to be depended on to report to work at the scheduled time and to seldom be absent from work. Ability to complete work in a timely, accurate manner and to be conscientious about work performance.

Environmental Factors:

Hazardous physical conditions (mechanical parts, electrical currents, vibration, etc.)

Atmospheric conditions (fumes, odors, dusts, gases, poor ventilation)

Hazardous materials (chemicals, oil, etc.)

Extreme temperatures

Inadequate lighting

Workspace restricts movement

Intense noise

3. Plant Engineer

DeKalb County School District
Position Specification

Title: Engineer, Plant

DIVISION: School-Based or Central Office Divisions	**GRADE:** 115
DEPARTMENT: School-Based or Central Office Divisions	**WORK DAYS:** 246
REPORTS TO: School or Department Administrator	**FLSA STATUS:** Exempt
RETIREMENT: Teachers Retirement System	**APPROVED (HCM):** September 1, 2020

General Statement of Job

Under general supervision, oversees the entire plant operation of assigned facility; supervises custodial personnel and the related work to maintain the efficiency, cleanliness, safety, and operational systems of DeKalb County School District (DCSD) buildings.

Specific Duties and Responsibilities

Essential Functions:
The following duties are representative for this position. The omission of specific statements of duties does not exclude them from the classification if the work is similar, related, or a logical assignment for this classification. Other duties may be required and assigned.

• Opens and closes building securely; unlocks building and disarms the alarm.
• Reviews mechanical systems and inspects fire extinguishers.
• Performs routine maintenance and makes minor repairs on all mechanical systems and custodial equipment such as changing ballasts and exit lights, cleaning heating and air vents, cleaning roof drains, making plumbing repairs, repairing minor electrical fixtures, small painting projects, carpentry, and changing filters.
• Supervises custodial staff; develops and prepares schedules, workloads and work assignments.
• Assists the skilled trade technicians who work in the building; keeps up-to-date on building maintenance issues.
• Conducts building inspections each day to ensure cleanliness and safety of interior and exterior; performs cleaning tasks to ensure a clean building.
• Confirms all equipment is in working order.
• Completes and submits work orders (electronically) for maintenance services beyond his/her scope; submits monthly custodial supply orders.
• Organizes facility set-up and take-down for all meetings.
• Operates lawn equipment (lawn mower, edger, weed eater, hedge trimmers, and blower).
• Provides on-the-job training to custodial staff.

Disclaimer: Information contained within this position specification only summarizes information for interested individuals. The statements herein are intended to describe the general nature and level of work being performed by the employee in this position. They are not intended to be construed as an exhaustive list of all responsibilities, duties, and skills required of a person in this position. If there is a discrepancy between the information in this position specification, the current documents obtained in the Division of Human Resources will always govern. The DeKalb County School District reserves the right to modify, alter or discontinue these reference materials for any reason.

• Answers radio cell phone requests.
• Assists in setting up office spaces for employees.
• Performs other duties as assigned.

Education and/or Experience

High school Diploma or GED equivalent is required.

Minimum three (3) years of lead custodian or closely related experience is required.

Certificates, Licenses, Permits: None.

Knowledge, Skills & Abilities

Knowledge of the methods, materials, tools, equipment and practices used in buildings and electrical and mechanical maintenance; the occupational hazards and safety precautions of the trades involved; plumbing, electrical, construction, heating and air conditioning equipment; basic landscape and design; building and maintenance repair; building codes; and equipment and materials related to building maintenance and custodial services.

Skill in effective oral, written, and interpersonal communication; care and use of industrial heating, cooling, plumbing, and electrical tools and equipment; record keeping; basic mathematics; time management; and operation of required equipment applications.

Ability to detect defects in equipment and to make proper repairs or adjustments accordingly; interpret and work from schematic diagrams and drawings; work with hands in mechanically oriented situations; learn repetitive tasks quickly; demonstrate continuous physical effort including bending, walking, manipulation of and heavy lifting of equipment; prioritize assignments; manage multiple tasks simultaneously; and plan, direct and supervise the work of others.

ADA Requirements:

Heavy Work: Exerting up to 100 pounds of force occasionally, and/or up to 50 pounds of force frequently, and/or up to 20 pounds of force constantly to move objects.

Climbing: Ascending and descending ladders, stairs, scaffolding ramps, poles and the like using feet and legs and/or hands and arms. Body agility is emphasized.

Balancing: Maintaining body equilibrium to prevent falling when walking, standing or crouching on narrow, slippery or erratically moving surfaces.

Stooping: Bending body downward and forward by bending spine at the waist. Requires full use of the lower extremities and back muscles.

Kneeling: Bending legs at knee to come to a rest on knee or knees.

Crouching: Bending the body downward and forward by bending leg and spine.

Crawling: Moving about on hands and knees or hands and feet.

Reaching: Extending hand(s) and arm(s) in any direction.

Standing: Particularly for sustained periods of time.

Disclaimer: Information contained within this position specification only summarizes information for interested individuals. The statements herein are intended to describe the general nature and level of work being performed by the employee in this position. They are not intended to be construed as an exhaustive list of all responsibilities, duties, and skills required of a person in this position. If there is a discrepancy between the information in this position specification, the current documents obtained in the Division of Human Resources will always govern. The DeKalb County School District reserves the right to modify, alter or discontinue these reference materials for any reason.

Walking: Moving about on foot to accomplish tasks, particularly for long distances.

Pushing: Using upper extremities to press against something with steady force in order to thrust forward, downward or outward.

Pulling: Using upper extremities to exert force in order to draw, drag, haul or tug objects in a sustained motion.

Lifting: Raising objects from a lower to a higher position or moving objects horizontally from position-to-position. Requires the substantial use of the upper extremities and back muscles.

Fingering: Picking, pinching, typing or otherwise working, primarily with fingers rather than with the whole hand or arm as in handling.

Grasping: Applying pressure to an object with the fingers and palm.

Feeling: Perceiving attributes of objects, such as size, shape, temperature or texture by touching with skin, particularly that of fingertips.

Talking: Expressing or exchanging ideas by means of the spoken word. Those activities in which one must convey detailed or important spoken instructions to others accurately, loudly, or quickly.

Hearing: Ability to receive detailed information through oral communication, and to make fine discrimination in sounds, such as when making fine adjustments on machined parts with or without correction.

Vision: The ability to perceive the nature of objects by the eye. Acuity (near and far vision), depth perception (three dimensional vision), accommodation (adjustment of lens to eye to bring an object into sharp focus), field of vision (area that can be seen up and down or to the right or left while eyes are fixed on a given point) and color vision (ability to distinguish and identify colors) are required factors.

Repetitive Motions: Substantial movements (motions) of the wrists, hands, and/or fingers.

Performance Factors:

Interaction with Others: Ability to maintain, on a regular and consistent basis, relationships that are not characterized by high levels of hostility, social withdrawal or failure to communicate. Ability to be flexible relative to daily routines. Ability to demonstrate sensitivity to the differences among diverse populations.

Concentration: Ability to maintain workflow and thought processes in the presence of frequent distractions. Ability to ignore irrelevant sights or sounds and intrusive thoughts or stimuli. Ability to manage multiple tasks simultaneously with only few or no errors.

Stressful Circumstances: Ability to produce quality work when short or unexpected deadlines are presented. Ability to adjust work processes without incident when new and unexpected directions are given relative to a project that may be in process. Ability to maintain composure and not compound a situation when interacting with persons who may be angry, demanding or otherwise less than polite.

Independent Judgment: Ability to complete work tasks without being given precise directions relative to work steps or the final project.

Organizational Skills: Ability to establish priorities; simultaneously manage multiple tasks; and deliver a quality work product by a designated deadline.

Disclaimer: Information contained within this position specification only summarizes information for interested individuals. The statements herein are intended to describe the general nature and level of work being performed by the employee in this position. They are not intended to be construed as an exhaustive list of all responsibilities, duties, and skills required of a person in this position. If there is a discrepancy between the information in this position specification, the current documents obtained in the Division of Human Resources

Attention to Detail: Ability to recognize errors or layout features that detract from the physical attractiveness or accuracy of a work product.

Public Contact: Ability to communicate professionally and effectively, both verbally and in writing, with superiors, colleagues, and other individuals within and external to the school system. Ability to demonstrate professionalism while interacting with others and to maintain constructive working relationships.

Attendance and Dependability: Ability to be depended on to report to work at the scheduled time and to seldom be absent from work. Ability to complete work in a timely, accurate manner and to be conscientious about work performance.

Environmental Factors:
Hazardous physical conditions (mechanical parts, electrical currents, vibration, etc.)
Atmospheric conditions (fumes, odors, dusts, gases, poor ventilation)
Hazardous materials (chemicals, oil, etc.)
Extreme temperatures
Inadequate lighting
Workspace restricts movement
Intense noise

Disclaimer: Information contained within this position specification only summarizes information for interested individuals. The statements herein are intended to describe the general nature and level of work being performed by the employee in this position. They are not intended to be construed as an exhaustive list of all responsibilities, duties, and skills required of a person in this position. If there is a discrepancy between the information in this position specification, the current documents obtained in the Division of Human Resources will always govern. The DeKalb County School District reserves the right to modify, alter or discontinue these reference materials for any reason.

RFI RESPONSE

CDH ARCHITECTURE
3330 Cumberland Blvd SE
Suite 100
Atlanta, GA 30339
770.423.0016
cdhpartners.com

Submittal No: **003**

IMAGINE MORE

Date:	January 3, 2023	**Copies To:**	
Contractor:	Centennial Contractors Enterprises, Inc.	**Received Date:**	December 21, 2022
		Response Date:	January 3, 2023
		Spec. Reference:	
		DWG Reference:	
Response By:	Bobby Weiner	**Direct:**	678-784-3407
Project:	EL Miller ES	**Project #:**	20046.00

Brief Description of RFI:

There are no requirements for final cleaning the school at the end of construction. While we will do a standard construction clean, stripping and waxing of floor, cleaning existing furniture such as desks and chairs are not in the contract. Does the school district have personnel lined up to complete this work or shall we look at bringing in outside cleaners to clean the school under a change order?

Response:

Please see attached the DCSD guidelines for custodial services.
DCSD can see if they can coordinate with the school custodial staff on moving and cleaning of the furniture.

Method of Delivery

Email By: Bobby Weiner

354-35 DCSD EL Miller ES - PCO #008

Final Audit Report 2023-03-17

Created:	2023-03-17
By:	Tyler Shelton (tshelton@cce-inc.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAijbVHk0B13Z-_fBThAcGhd22QVMy9V-i

"354-35 DCSD EL Miller ES - PCO #008" History

Document created by Tyler Shelton (tshelton@cce-inc.com)
2023-03-17 - 3:02:47 PM GMT

Document e-signed by Tyler Shelton (tshelton@cce-inc.com)
Signature Date: 2023-03-17 - 3:03:31 PM GMT - Time Source: server

Document emailed to Jonathan Brown (jabrown@cce-inc.com) for signature
2023-03-17 - 3:03:33 PM GMT

Email viewed by Jonathan Brown (jabrown@cce-inc.com)
2023-03-17 - 4:45:09 PM GMT

Document e-signed by Jonathan Brown (jabrown@cce-inc.com)
Signature Date: 2023-03-17 - 6:15:21 PM GMT - Time Source: server

Agreement completed.
2023-03-17 - 6:15:21 PM GMT

Names and email addresses are entered into the Acrobat Sign service by Acrobat Sign users and are unverified unless otherwise noted.

DeKalb County School District

POTENTIAL CHANGE ORDER (PCO) REQUEST

School Name:	E.L. Miller ES	Date:	March 28, 2023
Project Name:	GC Services for EL Miller MSBR	Project Number:	354-35
Title:	Building Controls Upgrades	PCO #:	009

Description of Work:

As requested by Michael Burdette of the DeKalb County Maintenance Department, the building automation upgrades for the following are to be added/changed to the contract by CCI, the school districts building automation installer.
1. All controllers shall be the iNTREO Web-based Building Automation System and shall be furnished and installed by CCI.
2. Furnish and install new GUI interface in Mechanical Room for use by County Personnel
3. In lieu of specified current switches, CCI to provide current transducers on 3 new DOAS units, 39 new WSHPs, 7 existing split systems, and 2 existing freezer/cooler units.
4. In lieu of the flat plate room sensors, CCI to provide the O3 Room Controller for 39 new WSHPs and 7 existing split systems.
5. Demo existing thermostat rough-in location.
6. Freezer and cooler shall be provided with an additional door switch and phase loss monitoring.
7. CCI to furnish and install CO2 sensor in Media, Café and Gym

A. Subcontractor Cost of the Work

Conditioned Air	$	64,875.94
	$	-
	$	-
	$	-
	$	-
	$	-

Subtotal A: $ 64,875.94

B. CONTRACTOR Fee: (As per Section 11.7.1.2) - 5% subcontractor work

Subtotal B: $ 3,243.80

C. CONTRACTOR Cost of the Work:

Payroll Costs (See attached supporting documentation.)	$	-
Materials and Equipment (See attached suporting documentation.)	$	-
Consultant Costs (See attached suporting documentation.)	$	-
Self-Performed Costs (See attached suporting documentation.)		

Subtotal C: $ -

D. P&P Bond - 0.4% of Total Subs Cost of Change

Subtotal D: $ 273.57

E. CONTRACTOR Fee: - 10% self performed

Subtotal E: $ -

Total = (A + B + C + D + E) **Total:** $ 68,393.31

☐ **The proposal would** ☐ Increase ☐ Decrease **the Milestones and/or Contract Time by** _____ **calendar days.**

☑ **The proposal does NOT affect the Milestones and/or Contract Time.**

Contractor Signature	Title	Date
	Operation Manager	March 28, 2023

CHANGE ORDER PROPOSAL

ATTN: Tyler Shelton
Centennial Contractors Enterprises
3200 Cobb Galleria Parkway, Suite 210
Atlanta, Ga. 30339

RE: E.L. Miller ES
DATE: 03/28/23
RE: Control Changes per County Request
CAS CO # 2

Conditioned Air Systems, Inc. agrees to provide the work as described in the above referenced RFI #6 as detailed below:

	Materials	Labor	Sub
4.) Control Changes as requested by the county			$ 58,250.00
Materials Total	$ -		
Total Labor		$ -	
Total SubContractor			$ 58,250.00

Total Materials and Labor	$	-
8% Sales Tax	$	-
Total SubContractor	$	58,250.00
10% P & OH	$	5,825.00
SUBTOTAL	$	64,075.00
ADD P&P Bond	$	800.94
TOTAL	$	64,875.94

*** NOTE: THIS CHANGE ORDER BECOMES PART OF AND IN CONFORMANCE WITH THE EXISTING CONTRACT
*** CONDITIONED AIR SYSTEMS, INC. ACCEPTS NO RESPONSIBILITY FOR DELAYS IN WORK CAUSED BY THIS REVISION
*** NO WORK WILL BE PERFORMED WITHOUT RECEIPT OF SIGNED CHANGE ORDER
*** NOTE: THIS WORK WILL BE PERFORMED DURING NORMAL WORKING HOURS M-F

WE HEREBY AGREE TO MAKE THE CHANGE(S) AS SPECIFIED ABOVE AT THIS PRICE>>>>>>>>>>>>>>>>>>>>>>>>

DATE: 03/28/23

Nick Deaton

Conditioned Air Systems, inc.
2410 Hilton Way SW Gainesville, Ga. 30501

GC/CM Acceptance of Proposal Changes:

Signature: _____ Date: _____

attachments: ION quote; CCI proposal

CONTROL CONCEPTS, LLC
3550 North Pkwy, Suite 100
Cumming, GA 30040
Ofc: (770) 888-0181

March 17, 2023

Project: **E.L. MILLER ELEMENTARY SCHOOL UPGRADE #354-423**
DeKalb County School District
919 Martin Road
Stone Mountain, GA 30088
Facility Code: 644-0181
Facility #644-1063
iNTREO Building Automation System
Proposal #: 22-JM-217-CO: O^3 Hub + Miscellaneous Requests

As requested by the county, the following change order is to provide updated requirements of the DeKalb County Maintenance Department. The following are clarifications to our proposal.

INCLUDED IN THIS CHANGE ORDER:

1. The Building Automation System shall seamlessly communicate and integrate with the DeKalb County Board Approved Standard Web-based **iNTREO** Building Automation System currently installed throughout the county.
   - All controllers shall be the **iNTREO** Web-based Building Automation System and shall be furnished and installed by CCI.
2. Furnish and install new GUI interface in Mechanical Room for use by County Personnel
3. In lieu of specified current switches, CCI to provide current transducers on the following pieces of equipment:

   (3) New Packaged Dedicated Outside Air Units (DOAS's)
   (39) New Water Source Heat Pumps
   (7) Existing Split System AHU's
   (2) Freezer/Cooler Units

4. In lieu of the flat plate room sensors, CCI to provide the O^3 Room Controller for the following pieces of equipment:

   (39) New Water Source Heat Pumps
   (7) Existing Split System AHU's

5. Demo existing thermostat rough-in location.
   - Note any patching/painting shall be by others.
6. Freezer and cooler shall be provided with an additional door switch and phase loss monitoring.
7. CCI to furnish and install CO2 sensor in Media, Café and Gym.

CLARIFICATIONS FOR THIS PROPOSAL (indicated with ☑):

1. ☑ All work is to be provided during normal work hours.
2. ☑ All low voltage control wiring above lay-in ceilings and inside sheetrock walls to be installed as plenum cable not in conduit. Exposed control wiring (i.e., mechanical rooms) and wiring inside block walls to be in conduit. Concrete walls will require surface mounted raceways. Wiring installed outside and potentially exposed to damage will be run in conduit.
3. ☑ Labor, material, engineering, and startup for equipment provided by CCI has been included.
4. ☑ One (1) year warranty on parts and workmanship is included.
5. ☐ Buy American considerations are included.
6. ☑ Custom color graphics will be created for each piece of equipment controlled or monitored by CCI.
7. OCIP/CCIP insurance.

CHANGE ORDER

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- ☑ OCIP/CCIP insurance has been Excluded. If OCIP/CCIP is a requirement, we can provide alternate pricing for the administrative costs.
- ☐ OCIP/CCIP insurance has been Included.

8. ☑ Unless specifically noted, control dampers are not included in CCI's scope of work. CCI will provide the actuators for the dampers. We assume that the actuator will mount/direct couple to the shaft of the damper provided by others. Our scope does not include any shaft extensions or adaptor plates.
9. Purchase Order:
   - ☐ CCI requires a Purchase Order (PO) or Notification to Proceed (NTP) in advance of commencing any work for a project. The Lead Time for projects not requiring a Controls Submittal is Two (2) weeks in advance of commencing work which includes mobilization. In the event the Customer requests reducing the stated lead time, Control Concepts will provide the additional costs related to acceleration of the schedule and will require written approval of these costs before proceeding.
   - ☑ Complete engineered submittals and as-built documentation are included. CCI requires a Purchase Order (PO) or Notification to Proceed (NTP) in advance of commencing any work for a project. Projects requiring Controls Submittals require detailed coordination with other Trades. Depending on the scope of the project, the Controls Submittal cannot begin until we have been provided the related approved submittals (which must include wiring diagrams) by the other trades. In many cases, the lead time for Controls Submittals is Eight (8) weeks after receipt of authorization to proceed and the receipt of the approved submittals (including the wiring diagrams) from the other trades. In the event the Customer requests reducing the stated lead time, additional costs may apply.
10. Liquidated Damages:
    - ☑ No claim for liquidated or actual damages can be made against Control Concepts (CCI) unless it is proven that CCI is the sole cause of the delay or impact to the critical path of the project. CCI's cost basis at the time of the proposal was derived from the scope of work and project schedule that included completion of critical path items by others and a duration of time for our scope to follow. Should the schedule change (acceleration, compression, or delay), CCI will evaluate and advise of any cost impact via a change order.
11. Project Pricing Considerations:
    - ☑ In no event shall Control Concepts (CCI) be liable for:
      (a) Price increases in material or equipment as a result of delays not solely caused by CCI.
      (b) Delays or price increases resulting from material or equipment shortages in the supply chain.
      In such event, Control Concepts shall request and be entitled to a Change Order for any changes in the Contract Sum and Contract schedule.
12. COMMISSIONING/3rd Party Commissioning:
    - ☑ Unless specifically noted, No Allocation of Hours have been included for any commissioning assistance. If commissioning assistance is required, a quote based on required hours can be provided at that time. Contractor specific commissioning/CCI assistance is not included.
    - ☐ CCI has included **80** hours for commissioning assistance. If commissioning assistance is required over this allocation, we can provide additional pricing.
    - ☐ 3rd Party commissioning assistance is not included. Please add ***$xx,xxx.00*** if 3rd party commissioning is required.
13. ☐ For coordination of the VRF systems, Mechanical contractor shall provide all required documentation that is necessary to correlate VRF units; which shall include controller addresses; and Room Numbers before CCI can proceed with integrating the system.
14. ☑ If factory controls are provided by the Equipment Manufacturer (HVAC/Lighting/etc.), Control Concepts assumes the factory provided controls will meet the intent of the contract documents, including the Sequence of Operation. CCI excludes supplemental control components, engineering, commissioning assistance and/or programming required to comply with any deficiencies of factory provided controllers. Before CCI begins the integration process, any factory provided controllers must be programmed, commissioned, addressed; all BACnet points exposed and made available to CCI.
15. Building Information Modeling (BIM)
    - ☑ Building Information Modeling (BIM) work has been excluded. Coordination and support for the project BIM modeling Team can be added for an additional fee after determining the resources required.
    - ☐ Coordination and support for the project BIM modeling Team has been Included.

CHANGE ORDER

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EXCLUSIONS FROM THIS PROPOSAL (indicated with ☑):

16. ☑ Water piping penetrations and taps necessary to install control devices are not included. CCI will coordinate device locations with the Mechanical contractor. Installation of control devices (immersion sensors, flow sensors, flow switches, flow meters, control valves, etc.) by Mechanical contractor.
17. ☑ Unless specifically noted, control dampers are not included in CCI's scope of work.
18. Thermostat Rough-In
    - ☐ Thermostat rough-in, in concrete or block walls or rough-ins requiring a raceway is not included. Thermostat rough-in, in uninsulated sheet rock walls are included.
    - ☑ Rough-Ins are not included.
19. ☑ Wiring clean-up in the ceiling for open-ceiling areas is not shown to be required, and not included.
20. ☑ Lighting control is not included. The contract documents for BAS did not reference that integration was required. The lighting control appears to be provided, installed & commissioned by another Division.
21. ☑ Monitoring of Biosafety Cabinets and other Lab Equipment not shown on Mechanical plans or indicated above is not included.
22. ☑ Integration/monitoring of elevator system. If requested, CCI can provide a cost proposal.
23. ☑ Integration/monitoring of Nurse Call system. If requested, CCI can provide a cost proposal.
24. ☑ Integration/monitoring of Fire Alarm System. If requested, CCI can provide a cost proposal.
25. ☑ Mechanical indicating devices such as pressure gauges, thermometers, magnehelic gauges and other non-DDC monitored devices are not included.
26. ☑ Refrigerant Monitor. This is to be provided and installed by the others.
27. ☑ Cyber Security is not included. Unless specifically noted otherwise, any Cyber Security requirements pertaining to DOD Instruction 8500.01/8510.01 (or any other directive, federal or otherwise) are NOT INCLUDED and should be provided by others if required.
28. ☑ Patching, painting, and general handyman work associated with this project is not included.
29. ☑ All area and duct smoke detectors are to be provided and installed under fire alarm portion of the specifications and are not included in our proposal.
30. ☑ Smoke and fire/smoke dampers provided and installed by others.
31. ☑ Motor starters, variable frequency drives (VFD's), contactors or disconnects are not included.
32. ☑ Davis Bacon wage considerations are NOT included.
33. ☑ Performance & Payment bond is NOT included.
34. ☑ Standard trap primer valves by others. If requested, CCI can provide a cost proposal.
35. ☑ Domestic water metering and gas metering (Utilities). If requested, CCI can provide a cost proposal.
36. ☑ Any materials not provided by CCI shall be installed and wired by others.
37. ☑ Proof of full SARS-CoV-2/COVID vaccination for Control Concepts workers is not listed as a requirement on the Project. As such, considerations related to worker vaccination have not been included in cost, schedule or staffing requirements for the Project. Should Contractor or Owner require vaccination of workers at a future date, such a vaccination requirement would be a newly added or changed condition of the Subcontract for which equitable adjustment to price and schedule would be required. Further, to the extent that vaccination of workers is required at a future date, Contractor is hereby notified that Subcontractor will take commercially reasonable efforts to comply with the vaccine request and continue to take reasonable COVID precautions, but Subcontractor does not guarantee that all workers required to complete Subcontractor's work on the Project will be vaccinated.

CHANGE ORDER

Total CO Price: $ 58,250.00

INDIVIDUAL BREAKDOWN

1. **GUI User Interface**.....**$ 4,500.00**
2. **Current Transducers in lieu of Current Switches**.....**$ 3,400.00**
3. **O^3 Room Controller**.....**$ 18,300.00**
4. **Demo existing room sensor locations**.....**$ 22,800.00**
5. **Include phase loss notification and door switch**.....**$ 3,500.00**
6. **CO_2 to be provided in Media Center, Café & Gymnasium**.....**$ 5,750.00**

The above pricing is firm for 30 days.
The attached Terms and Conditions apply to this proposal.

Sincerely,

Jeff Morrison
Sr. Executive Account Director
CONTROL CONCEPTS, LLC.
Email: jmorrison@intreo.com
O:(770) 888-0181
D:(678) 341-2667
C: (770) 527-1732

AUTHORIZATION SIGNATURE

Signature below denotes approval of the scope, pricing, and terms of conditions of this proposal and authorizing Control Concepts, LLC to proceed with the execution of this project.

Proposal Accepted By:

Print Name	Signature
Title	Purchase Order Number
Date	

CHANGE ORDER

TERMS AND CONDITIONS OF SALE

Rev. 2.19.20

1. REMITTANCES All invoices shall be due and payable upon receipt in United States currency, free of exchange, or any other charges, or as otherwise agreed upon and set forth in writing by Control Concepts LLC (hereinafter called "Seller"). The Customer, if so requested agrees to furnish Seller with all information including financial statements, necessary to make a proper credit appraisal. Refusal to supply information may cause this proposal to be withdrawn. Terms of payment originally granted are subject to the approval of continued credit status. Prices are subject to correction for error.

2. PROPOSALS are based upon straight-time labor. Any request by the Customer for overtime work shall be considered an extra. This proposal expires 30 days after its date, subject to the provisions of the first sentence of the paragraph below entitled "Acceptance of Terms."

3. PROGRESS PAYMENTS Seller reserves the right to invoice Customer monthly as the work progresses, for all materials delivered to the job site or to an off-site facility and for all work performed on-site and off-site. Engineering, drafting and other mobilization costs incurred prior to installation shall be included in Sellers initial invoice and be equal to fifteen percent (15%) of the contract price. Invoices are due upon receipt by Customer. If the Customer becomes overdue in any progress payment, Seller shall be entitled to suspend work, shall be entitled to interest at the annual rate of 18% or the maximum permitted by the State of Georgia; and, to avail itself of any other legal remedies. Seller shall also be entitled to interest on all amounts retained by Customer from progress payments or otherwise. Customer agrees that he will pay and/or reimburse Seller for all reasonable attorney's fees which are incurred by Seller in the collection of amounts due and payable hereunder.

4. CANCELLATION AND SUSPENSION Any contract resulting from this proposal is subject to cancellation or instructions to suspend work by the customer only upon agreement to pay Seller adjustment charge.

5. TAXES The amount of any future sales, use, occupancy, excise, or other tax, federal, state, or local which Seller hereafter shall be obligated legally to pay, either on its own behalf of the Customer or otherwise, with respect to the material covered by this proposal, shall be added to such prices and paid by the Customer.

6. LOSS, DAMAGE OR DELAY Seller shall not be liable for any loss, damage, or delay occasioned by any causes beyond Seller's control, including, but not limited to, governmental actions or orders, embargoes, strikes, differences with workmen, fires, floods, accidents, or transportation delays. IN NO EVENT SHALL SELLER BE LIABLE FOR ANY CONSEQUENTIAL OR SPECIAL DAMAGES.

7. WARRANTY Seller warrants that the services furnished by it and covered by this proposal are free from defects workmanship under normal service and, without charge, equipment found to be so defective in material or workmanship will be repaired or replaced, if written notice of failure is received by Seller within one (1) year after date of installation, provided said equipment has been operated in accordance with Seller's instructions and provided such defects are not due to abuse, fire or decomposition by chemical or galvanic action. SELLER HAS NOT MADE AND DOES NOT MAKE ANY WARRANTY OR REPRESENTATION WHATSOEVER, EITHER EXPRESS OR IMPLIED, AS TO THE FITNESS, CONDIITON, MERCHANTABILITY, DESIGN OR OPERATION OF EQUIPMENT AND PARTS, THEIR FITNESS FOR ANY PARTICULAR PURPOSE, THE QUALITY OR CAPACITY IF THE MATERIALS IN OR WORKMANSIP IN EQUIPMENT AND PARTS, NOR ANY OTHER REPRENTATION OR WARRANTY WHATSOEVER. Seller assumes no responsibility for repairs made on Seller's equipment unless done by Seller's authorized personnel, or by written authority from Seller. Seller makes no guarantee with respect to material not manufactured by it.

8. PURCHASER'S REMEDIES The Customer's remedies with respect to equipment found to be defective in material or workmanship shall be limited exclusively to the right of repair or replacement of such defective equipment. IN NO EVENT SHALL SELLER BE LIABLE FOR CLAIMS (BASED UPON BREACH OF IMPLIED WARRANTY) FOR ANY OTHER DAMAGES, WHETHER DIRECT, IMMEDIATE, FORESEEABLE, CONSEQUENTIAL, OR SPECIAL OR FOR ANY EXPENSES INCURRED BY REASON OF THE USE OR MISUSE OF EQUIPMENT WHICH DOES OR DOES NOT CONFORM TO THE TERMS AND CONDITIONS OF ANY CONTRACT RESULTING FROM THIS PROPOSAL.

9. PATENT INFRINGEMENT Seller will hold its Customer and the Owner harmless from infringement of any United States patent covering equipment of its manufacture. This, of necessity, is limited to the equipment per se and cannot be extended to applications of such equipment in a system, except in writing by an officer of Seller. The Customer and Owner shall advise Seller immediately in the event any claims of infringement are brought to their attention.

10. GOVERNING LAW Any contract resulting from this proposal shall be governed by, construed, and enforced in accordance with the laws of the State of Georgia.

11. CERTIFICATION The person whose signature appears on the attached hereof hereby certifies that, to his best knowledge and belief, the annexed bid is not the result of any agreement, arrangement or understanding between the Seller and any other manufacturer or seller of automatic temperature control systems and that the prices, terms or conditions thereof have not been communicated by or on behalf of the Seller to any such person and will not be communicated to any such person prior to the official opening of said bid.

12. ACCEPTANCE OF TERMS This proposal shall become a binding contract between the Customer and Seller when accepted in writing by the Customer. Such acceptance shall be with mutual understanding that the terms and conditions of this proposal are a part thereof with the same effect as though signed by both parties named herein and shall prevail over any inconsistent provision of said order.

13. No waiver, alteration, or modification of the terms and conditions on this and the attached hereof shall be binding unless in writing and signed by an authorized representative of Seller.

CHANGE ORDER

DeKalb County School District

POTENTIAL CHANGE ORDER (PCO) REQUEST

School Name:	E.L. Miller ES	Date:	May 9, 2023
Project Name:	GC Services for EL Miller MSBR	Project Number:	354-35
Title:	HAZMAT Removal	PCO #:	010

Description of Work:

Based on RFI #9 and the request for an Asbestos Survey of the building, it was provided that the VCT flooring and plumbing sink mastic contained asbestos. After further survey was performed by Centennial is was found that the black laboratory countertops are an asbestos containing material (ACM). We found that the boiler which was suspected to have asbestos does not contain asbestos, and testing of random boiler room elbows found no asbestos containing materials.

The HAZMAT/demoltion contractor is including the casework removal and carpet removal. All flooring, carpet, and casework remvoal originally to be performed by Peachtree Demolition is credited back. This allows for a seemless removal of HAZMAT/non-HAZMAT materials from the site.

A. Subcontractor Cost of the Work

Hibernia Enterprises, Inc.	$	52,945.00
Peachtree Demolition, LLC	$	(15,465.00)
	$	-
	$	-
	$	-
	$	-

Subtotal A: $ 37,480.00

B. CONTRACTOR Fee: (As per Section 11.7.1.2) - 5% subcontractor work

Subtotal B: $ 1,874.00

C. CONTRACTOR Cost of the Work:

Payroll Costs (See attached supporting documentation.)	$	-
Materials and Equipment (See attached suporting documentation.)	$	-
Consultant Costs (See attached suporting documentation.)	$	-
Self-Performed Costs (See attached suporting documentation.)		

Subtotal C: $ -

D. P&P Bond - 0.4% of Total Subs Cost of Change

Subtotal D: $ 158.05

E. CONTRACTOR Fee: - 10% self performed

Subtotal E: $ -

Total = (A + B + C + D + E) **Total:** $ 39,512.05

☐ **The proposal would** ☐ Increase ☐ Decrease **the Milestones and/or Contract Time by** ____ **calendar days.**

☑ **The proposal does NOT affect the Milestones and/or Contract Time.**

Contractor Signature	Title	Date
	Operation Manager	May 9, 2023

Hibernia Enterprises, Inc.

3680 HEWATT COURT
SNELLVILLE, GA 30039
Phone 678.618.0461 Fax 770.733.1931

PROPOSAL

May 9, 2023

Mr. Tyler Shelton
CENTENNIAL CONTRACTORS ENTERPRISES, INC.
3200 Cobb Galleria Parkway, Suite 210
Atlanta, Georgia 30339
tshelton@cce-inc.com

RE: Asbestos Abatement @ DCSD EL Miller Elementary School – Atlanta, GA

Hibernia Enterprises, Inc. (Hibernia) is pleased to offer this proposal for the above referenced project:

Removal & Disposal of Asbestos Containing Materials - $ 41,575.00
ADD for Removal & Disposal of Cabinets & Wardrobe Over FTM - $ 5,220.00
ADD for Carpet Removal - ~~$ 6,10.00~~ $6,150.00 (see correct amount below)

Hibernia will provide the following:

- The Asbestos Notification and any associated fees will be delivered to the GA EPD prior to the job's official start date.
- **Asbestos Abatement Scope of Work:** The complete removal and proper disposal of asbestos containing materials (13 EA sinks; 11,400 SF of fully exposed single layered floor tile and mastic, including cove base; countertops and backsplash). ***ADD*** *for demolition and disposal of fixed items (built-in cabinetry & wardrobe over floor tile and mastic)* - **$5,220.00**. ***ADD*** *to remove & dispose of the 5,460SF of carpeting* - $ **6,150.00.** The work area(s) will be regulated with asbestos signs and barrier tape placed around the perimeter. Hibernia will construct containment(s) and negative pressure will be applied for the duration of abatement activities. Hibernia will use airless sprayers and wetting methods to minimize airborne fiber and dust release. All waste will be bagged promptly and disposed of as asbestos debris.
- Hibernia will use only EPA, OSHA accredited supervision and labor for asbestos abatement.
- Hibernia will provide copies of all current of our Asbestos Contractor License, Insurance Certificate prior to the inception of abatement activities and the Asbestos Waste Manifest upon completion of the work.

Hibernia assumes the following:

- Owner will provide utilities (water, electricity) for the duration of abatement activities.
- Work to be performed in one continuous uninterrupted mobilization.
- Owner/Centennial will be responsible for removing all movable obstacles (cabinetry, shelving, furniture, fixtures & fittings, office equipment, stored items/boxes on floors, chemicals/supplies/equipment/glassware stored within lab cabinetry, etc.) off / away from the footprint of each abatement area prior to Hibernia's start date.
- Independent final clearance air testing & analysis by a third-party consultant / Industrial Hygienist is not included in Hibernia's pricing. Hibernia can provide the contact information of at least two such companies that will provide this service - upon request.
- Hibernia will return after clearance testing to tear down and retrieve our equipment.
- Payment terms are DUE ON RECEIPT.

Hibernia appreciates the opportunity to offer this proposal. If you have any questions, please contact me directly at (678) 618-0461.

Sincerely,

Robert Heavey

Robert Heavey
President

Peachtree Demolition, LLC.

SELECTIVE DEMOLITION

2030 POWERS FERRY RD. | SUITE 250 | Atlanta, GA 30339

Phone: 678-402-6288 | Fax: 678-402-6663

CUSTOMER

Centennial

ATTENTION

Michael Patterson

EMAIL

mpatterson@cce-inc.com

PHONE

770-584-0234

DATE

10/28/2022

BID NUMBER

16179 R1

PROJECT

E.L. Miller ES Major Systems Replacment

ADDRESS

919 Martin Road

CITY/STATE/ZIP

Stone Mountain, GA 30088

PREPARED BY:

David Brady

PHONE

404-537-3285

E-MAIL

david@peachtreedemo.com

Base Bid: $15,465

Carpet and Base 8,035 SqFt	**Remove and Dispose**
VCT/LVT Flooring 18,732 SqFt	**Remove and Dispose**
Millwork 353 LF	**Remove and Dispose**
Dumpsters and Haul Off	**Included**
Off-Hours	**Included**
Exclude Adhesives and Floor Prep	**-**
Exclude Salvage or Relocation	**-**

The scope of work included in this proposal is limited to the work indicated on drawing(s):

Architect	Drawing(s)	Dated
CDH	D101	12/17/2021

No other work is included by implication of drawings not listed above or by the work of other trades.

Exclusions:

Permits
Sales Tax
Removal and Protection of:
A) Life Safety System
B) Energy Management System
Items to be Salvaged or Relocated
Structural Shoring / Steel
Mechanical Disconnects and Capping
Electrical Disconnects
Plumbing Disconnects and Capping
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AES | Analytical Environmental Services, Inc.

Analytical Environmental Services, Inc.
3080 Presidential Drive, Atlanta, GA 30340-3704
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www.aesatlanta.com

Work Order: 2304T46

CHAIN OF CUSTODY
BULK ASBESTOS ANALYSIS

Client Name: HIBERNIA ENTERPRISES
Address:
City, State, Zip:
Contact:
Sampler's Name: ROBERT HEAVEY
Report To:
Report to Email:

Project Name: E.C. MILLER E.S, 919 MARTIN RD,
Project Number: STONE MT, GA 30088
Sampling Date: 4.27.23
Phone #: 678-618-0461
Invoice To Name(s): HIBERNIA
Invoice To Email(s): HIBERNIAGA@COMCAST.NET
PO#: CONFIRMATION SAMPLING

	Sample ID	Sample Location/Description	Analysis Requested	Turnaround Time (TAT)	Comments
1	427.1	CORRIDOR - FLOOR TILE & MASTIC	PLM	NEXT DAY	
2	427.2	CLASSROOM 120 - FLOOR TILE & MASTIC	↓	↓	
3	427.3	CLASSROOM 120 - LAB COUNTERTOPS			
4	427.4	MECH. ROOM - PIPE ELBOW/ GREEN FITTINGS			
5	427.5	MECH. ROOM - GASKET MATERIAL	↓	↓	
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

Relinquished by: R. Heavey — Date/Time: 4.27.23 5:45pm
Received by: — Date/Time:
Relinquished by: — Date/Time:
Received by: — Date/Time:

Submission of samples to the laboratory constitutes acceptance of AES's Terms & Conditions. Client assumes sole responsibility for damage or loss of samples before we accept them. Samples received after 3PM or on Saturday are considered as received the following business day. If no TAT is marked on COC, AES will proceed with standard TAT.

Asbestos COC7.15.19

FOR LAB USE ONLY
Lab Recipient: LEILA DYE — Date/Time: 4.27.23 17:45 — Method of Shipment: CLIENT

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

3080 Presidential Drive
Atlanta,GA 30340
Tel :(770) 457-8177
Fax:(770) 457-8188

Bulk Sample Summary Report

NVLAP TESTING
NVLAP LAB CODE 102082-0

Report Date: 1-May-23

Client Name: **Hibernia**
AES Job Number: **2304T46**
Project Name: **E. L. Miller E. S, 919 Martin RD,**
Project Number: **Stone MT, GA 300**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
427-1 Layer: 1	2304T46-001A	CORRIDOR-FLOOR TILE & MASTIC	2	ND	ND	ND	ND	ND	Floor tile
427-1 Layer: 2	2304T46-001A	CORRIDOR-FLOOR TILE & MASTIC	3	ND	ND	ND	ND	ND	Black mastic
427-2 Layer: 1	2304T46-002A	CLASSROOM 120-FLOOR TILE & MASTIC	2	ND	ND	ND	ND	ND	Floor tile
427-2 Layer: 2	2304T46-002A	CLASSROOM 120-FLOOR TILE & MASTIC	3	ND	ND	ND	ND	ND	Black mastic
427-3 Layer: 1	2304T46-003A	CLASSROOM 120-LAB COUNTERTOPS	10	ND	ND	ND	ND	ND	
427-4 Layer: 1	2304T46-004A	MECH. ROOM-PIPE ELBOW/GREEN FITTINGS	ND	ND	ND	ND	ND	ND	Paint included as binder

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophylite
For comments on the samples, see the individual analysis sheets.
ND = None Detected

AES,Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.
These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume.
PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

This report must not be reproduced except in full without written approval of Analytical Environmental Services, Inc.

Microanalyst: Elena Ivanova

QC Analyst: Yelena Khanina

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

3080 Presidential Drive
Atlanta,GA 30340
Tel :(770) 457-8177
Fax:(770) 457-8188

Bulk Sample Summary Report

NVLAP TESTING
NVLAP LAB CODE 102082-0

Report Date: 1-May-23

Client Name: **Hibernia**
AES Job Number: **2304T46**
Project Name: **E. L. Miller E. S, 919 Martin RD,**
Project Number: **Stone MT, GA 300**

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
427-4 Layer: 2	2304T46-004A	MECH. ROOM-PIPE ELBOW/GREEN FITTINGS	ND	ND	ND	ND	ND	ND	
427-5 Layer: 1	2304T46-005A	MECH. ROOM-GASKET MATERIAL	ND	ND	ND	ND	ND	ND	

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophylite
For comments on the samples, see the individual analysis sheets.
ND = None Detected

AES,Inc. is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis, Lab Code 102082-0. All analyses performed in accordance with EPA "Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020), 1982 as found in 40 CFR, Part 763, Appendix E to Subpart E and "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116), 1993.
These test results apply only to those samples actually tested, as submitted by the client. All percentages are reported by visually estimated volume.
PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials, quantitative TEM is currently the only method that can be used to determine conclusive asbestos content.

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Microanalyst: Elena Ivanova

QC Analyst: Yelena Khanina

End of Report

SE Region
3351 Wrightsboro Road, Suite 403
Augusta, Georgia 30909
P: (706) 723-5527
F: (770) 613-2992

Project: 73150-0120 DCSD E.L. Miller Elementary School MSBR
919 Martin Road
Stone Mountain, Georgia 30088

RFI #9: EL Miller ES - Asbestos Survey

Status	Closed on 05/09/23		
To	Bobby Weiner (CDH Partners)	**From**	Tyler Shelton (Centennial Contractors Enterprises, Inc.) 3200 Cobb Galleria Parkway, Suite 210 Atlanta, Georgia 30339
Date Initiated	Jan 23, 2023	**Due Date**	Jan 26, 2023
Location		**Project Stage**	Pre-Construction
Cost Impact	TBD	**Schedule Impact**	No
Spec Section		**Cost Code**	
Drawing Number	T001 & D101	**Reference**	
Linked Drawings			
Received From	Tyler Shelton (Centennial Contractors Enterprises, Inc.)		
Copies To	Melissa Cantrell (CDH Partners), Alyssa Franklin (CDH Partners)		

Activity

Question

Question from Tyler Shelton Centennial Contractors Enterprises, Inc. *on Monday, Jan 23, 2023 at 10:42 AM EST*

Is there an asbestos survey of the school that has previously been performed? We want to confirm that no asbestos materials are currently on-site where we are performing work such as the floor replacement in the cafeteria and several classrooms. Please provide the report or let us know if we should submit a change proposal for testing.

Official Response

Response from Bobby Weiner CDH Partners *on Tuesday, Jan 31, 2023 at 10:31 AM EST*

here is the asbestos report.

Attachments
EL Miller Asbestos Report.pdf

AHERA ASBESTOS INSPECTION REPORT AND MANAGEMENT PLAN
For
E.L. MILLER ELEMENTARY SCHOOL
919 MARTIN ROAD
STONE MOUNTAIN, GEORGIA 30088

PREPARED FOR:

DeKalb County Schools
1780 Montreal Road
Tucker, Georgia 30084

PREPARED BY:

Compass Environmental, Inc.
1751 McCollum Parkway
Kennesaw, Georgia 30144
(770) 499-7127

June 12, 2013

AHERA ASBESTOS INSPECTION REPORT AND MANAGEMENT PLAN
For
E.L. MILLER ELEMENTARY SCHOOL
919 MARTIN ROAD
STONE MOUNTAIN, GEORGIA 30088

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TEM Laboratory Report
Quality Control Laboratory Report
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Asbestos Exclusion Certification Form
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Sample Short-Term Worker Notification Letter
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Initial (completed)
6 month periodic surveillance (to be placed here upon completion)
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Air Sampling Records
Additional Sampling and Analysis of Suspect ACM
ACM Cleaning Records
Fiber Release Episodes
Asbestos-Related Training Certificates/Sign-In Sheets
Annual Notification Letters

AHERA ASBESTOS INSPECTION REPORT AND MANAGEMENT PLAN
For
E.L. MILLER ELEMENTARY SCHOOL
919 MARTIN ROAD
STONE MOUNTAIN, GEORGIA 30088

1.0 EXECUTIVE SUMMARY

This report documents the asbestos inspection and management plan for DeKalb County School's E.L. Miller Elementary School in accordance with the United States Environmental Protection Agency's (US EPA) Asbestos Hazard Emergency Response Act (AHERA).

Section 2.0 of the report provides the asbestos inspection report, which details the methods, procedures and findings of the inspection.

Section 3.0 provides the current asbestos management plan, which describes recommended management actions for the identified or assumed asbestos containing materials found along with appropriate means to manage these materials.

1.1 Building Usage & History

A summary of the buildings that make up E.L. Miller Elementary School including their approximate built dates, usage and renovation information are located in Table 1 - Building Usage & History.

Table 1 – Building Usage & History

Building	Built	Usage	Renovation Date(s)
Building 2010	1981	Classrooms, Offices, Cafeteria, Kitchen	Renovations included floor tile and ceiling tile replacement – unknown dates
Building 2011	1986	Classrooms, Offices	Renovations included floor tile and ceiling tile replacement – unknown dates
Building 2020	2003	Gym	NA

1.2 Summary of Identified and Assumed ACM

A summary of identified and assumed asbestos-containing materials (ACMs) including locations, conditions and recommended management actions, is provided in Table 2 – Summary of identified and assumed ACM. A detailed list of the identified and assumed

asbestos-containing materials, plus identified non-asbestos and other materials, is provided in Appendix A.

Table 2 – Summary of Identified and Assumed ACMs

Building(s)	Material Description	Locations	Friable	Condition	Recommended Response Action
2010	12"x12" tan floor tile with dark brown and cream streaks and black mastic	1981 Building – cafeteria, classrooms, offices	No	Good	O&M
2010	Sink mastic - black	1981 Building – Work rooms, clinic, hallways	No	Good	O&M
2010, 2011	Plaster*	1981, 1986 Buildings – restrooms, exterior overhangs	Yes	Good	O&M
2010,2011	Fire Doors*	1981, 1986 Buildings – exits, boiler room	No	Good	O&M
2010, 2011	Vibration dampeners*	1981, 1986 Buildings – HVAC equipment	No	Good	O&M
2010, 2011	Gaskets, valve packing and cement products*	1981, 1986 Buildings – boiler room, piping throughout buildings	No	Good	O&M
2010	Stage curtain*	1981 Building – cafeteria	No	Good	O&M
2010	Black laboratory counter tops, table tops and back splashes*	1981, 1986 Buildings – classrooms	No	Good	O&M
2010	Boiler*	1981 Building – boiler room	Yes	Good	O&M

*Assumed ACM

1.3 Limitations of Inspections

Note that this report does not contain a guaranteed list of all asbestos-containing building materials (ACBM) in the school. While efforts were made to make the inspection process as complete as possible, AHERA calls for visual inspection and neither it nor the facility managers intended that destructive or potentially dangerous sampling methods be used. Some materials may not be found or sampled because they were hidden from view or otherwise inaccessible. Therefore, there can be no assurance that untested materials do not contain asbestos.

Some materials may be assumed to contain asbestos, in which case no samples were gathered for laboratory analysis. These materials must be treated as though they contain asbestos until they are proven otherwise.

A complete hazardous materials inspection, that may include breaking into wall chases, erecting scaffolding, and core sampling roof membranes, must be conducted before starting any renovations, demolitions, or additions that affect these materials.

2.0 INSPECTION REPORT

2.1 Introduction

An asbestos inspection and building material assessments were conducted at E.L. Miller Elementary School located at 919 Martin Road, Stone Mountain, Georgia 30088 on April 24, 2013. Mr. Demetrius Blount, of DeKalb County Schools, requested the survey. Ms. Pamela H. Hogue, IH of Compass Environmental, Inc. conducted the survey.

Samples collected were analyzed by Scientific Analytical Institute (SAI) of Greensboro, North Carolina. Materials Analytical Services, Inc. (MAS) of Suwanee, Georgia analyzed the quality control samples.

The purpose of the inspection and assessment was to identify building materials that contain asbestos, determine where they are located in the school building(s) and to assess the condition of the friable materials. The scope of the inspection and assessment included all areas of the building's interior without performing destructive sampling. It is possible that additional asbestos-containing materials could be uncovered during renovation or demolition activities. Should additional suspect materials be found, they should be assumed to contain asbestos until sampling is performed.

As part of the historical data review for this project, the original AHERA inspection report was reviewed. Previous surveillance reports, sampling data, floor plans and other useful information were incorporated into this current inspection report and management plan. Please see Appendix L for historical data used.

2.2 Methods and Procedures

The facility inspection, sampling and assessment protocol followed was as described in 40 CFR 763, Subpart E of the U.S. Environmental Protection Agency (USEPA) AHERA (Asbestos Hazards Emergency Response Act) regulations. The individual that conducted the inspection and sampling is an accredited building inspector pursuant to the USEPA AHERA regulations, as amended by the USEPA ASHARA (Asbestos School Hazard Abatement Reauthorization Act) regulations. Documentation of current inspector accreditation is included in Appendix F.

Inspection and Sampling

The inspection protocol consisted of identifying homogeneous suspect asbestos-containing building materials. A homogeneous material is one having the same color, texture and general appearance. The use of the material and the date of installation may further define it, if known. Examples of homogeneous materials found during the inspection at E.L. Miller Elementary School included wallboard and wallboard joint compounds, plaster materials, floor tiles and other flooring materials along with flooring mastics, ceiling tiles, other mastic and coating type materials and thermal system insulation. The number of samples collected for each homogeneous material was as required by 40 CFR 763.86.

The location of the homogeneous materials and each sample taken were recorded on sample logs and building floor plans where available. A written description was recorded for each sample and a photograph taken of each homogeneous material. Photographs of each homogeneous material sampled are in Appendix C.

Bulk samples were extracted from accessible suspect asbestos-containing materials identified during the survey. Sampling was not conducted of wood, fiberglass, rubber, concrete, cinder block, brick or similar materials commonly recognized by the USEPA not to be a suspect asbestos-containing material (ACM). Additionally, samples were not collected of building materials on the exterior of the building, suspected to contain asbestos. These materials include roofing systems, waterproofing systems, window caulking, etc. These materials are not included as part of an AHERA inspection per 40 CFR 763.86. These materials should be assumed to be ACMs until sampled and tested. However, if previous sampling or data was available for exterior building materials, this information can be found in Appendix L.

Sampling of gaskets, valve packing, electrical and cement products was not attempted due to the destructive nature of sampling and damage to in-service systems. These materials are assumed to be ACM.

The primary samples collected during the survey were submitted to SAI for analyses. Duplicate split samples collected randomly at a rate of 5% were submitted to MAS Laboratory for quality control (QC) analyses. All samples were analyzed by polarized light microscopy (PLM) with dispersion staining for the type and percent asbestos. Both laboratories participate in the National Voluntary Laboratory Accreditation Program (NVLAP) for asbestos in bulk samples sponsored by the National Institute of Standards and Technology (NIST). Copies of the laboratory reports are in Appendix E. Copies of laboratory accreditations are provided in Appendix F.

The EPA and OSHA regulations designate the use of the polarized light method for determining asbestos fiber identity and quantity in bulk samples of suspect asbestos-containing materials. However, this method may produce false negative results for samples of suspect materials where the asbestos fibers are tightly bound in a matrix of organic binder, or when the asbestos fibers used in these materials are too small to be resolved by the light microscope. Examples of such samples are floor tiles, mastics, sealants, and other non friable materials. For these samples it may be necessary to perform additional analyses by transmission electron microscopy (TEM) to more accurately quantify the asbestos content or confirm a negative result. For this inspection, these non friable materials were submitted for further analysis by TEM if they reported to have no asbestos by PLM analysis.

Assessments

The following assessment ratings were used to characterize friable identified or assumed asbestos-containing materials in accordance with AHERA Sections 763.85(b) and 763.88 and guidance in EPA Publications 560/5-85-024 and 700/B-92/001. AHERA does not require formal assessments of the condition of non-friable suspect or assumed asbestos-containing materials. Please see category 8, which these materials can be classified in.

Each material was classified into one of the following categories:
1. Damaged or Significantly Damaged Thermal System Insulating ACM
2. Damaged Friable Surfacing ACM
3. Significantly Damaged Friable Surfacing ACM
4. Damaged or Significantly Damaged Friable Miscellaneous ACM
5. ACM with the Potential for Damage
6. ACM with the Potential for Significant Damage
7. Any Remaining Friable ACM or Friable Suspected ACM
8. In some cases, materials may not fall into any of the above categories, e.g. non-friable ACM with low potential for damage. In these cases, a category of 8 is used.

The inspector considered the following factors to determine the above classifications:
- Location of Material
- Amount of Material
- Friability
- Accessibility

- Type of Damage
- Influence of Vibration
- Percent of Damage
- Influence of Air Erosion
- Overall Condition

2.3 Discussion of findings

There were a total of 60 bulk samples of suspect materials collected during the asbestos survey, 57 of these were primary samples and 3 were quality control samples. Fifty three of the samples were reported as having no asbestos observed or detected. The remaining samples were found to contain asbestos in one or more of the sample layers. Reanalysis of 4 floor tile and mastic samples using TEM was completed. All samples reanalyzed using TEM were reported as having no asbestos detected.

2.3.1 Non Asbestos-Containing Materials

No asbestos was detected in samples collected of the ceiling tiles, cove base mastics, 1981, 1986 and Gym Building wallboard and joint compound materials, red fire stop, white mastic on fiberglass pipe insulation and the 12"x12" floor tiles with yellow mastics. The sample locations and results of all samples collected during the asbestos inspection are described in the homogeneous materials sampling summary provided in Appendix A. Sample collection locations are depicted on the drawing located in Appendix B.

2.3.2 Identified and Assumed Asbestos-Containing Materials

Identified asbestos-containing materials include the 12"x12" tan floor tile with dark brown and cream streaks and black mastic, black mastic on the 1981 building sinks and the boiler. Also as allowed under 40 CFR 763.86, inaccessible materials and those where sampling would cause functional damage were assumed to be asbestos-containing. These include fire doors, vibration dampeners, gaskets, valve packing and cement products. Additionally, DeKalb County Schools elected to not sample but to include the black laboratory counter tops, table tops and back splashes, stage curtains and all plaster materials in the list of assumed ACMs. The general locations of where these materials may be found are noted in Table-2 and the identified and assumed floor tiles and mastics are marked in Appendix J.

2.3.3 Assessments

The assessments for the identified and assumed asbestos-containing materials are included in Table D-1, Appendix D. All materials were determined to be in good condition.

2.4 Quality Control

Five percent of the bulk samples collected were duplicated with a side-by-side quality control sample. For each pair, one sample was sent to the primary laboratory and the other sample was submitted to the quality control laboratory. The sample analyses are considered "in agreement" if the asbestos concentration found by both laboratories is greater than one percent, or if both laboratories report values of less than one percent. The data in Table 3 indicates that the QC lab was in agreement with the primary laboratory results. See note below Table 3 for further explanation.

TABLE 3 – COMPARISON OF QUALITY CONTROL SPLIT SAMPLES

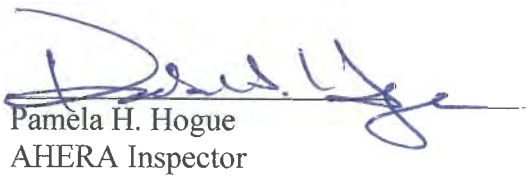
Primary Lab Sample Number	QC Lab Sample Number	Primary Laboratory Sample Results	QC Laboratory Sample Results
ELMES-09	ELMES-09QC	5% Chrysotile+	3% Chrysotile+
ELMES-29	ELMES-29QC	None Detected	No Asbestos Observed
ELMES-40	ELMES-40QC	None Detected	No Asbestos Observed

+Variable % of asbestos material found due to subjectivity of analyst.

2.5 AHERA Accreditation Statement

Compass Environmental Inc. prepared this inspection report for DeKalb County School's E.L. Miller Elementary School and performed the inspection in accordance with applicable regulations and guidelines. The inspector was accredited in accordance with Section 206 of Title II under AHERA. Credentials are included in Appendix F.

Reported prepared by:



Pamela H. Hogue
AHERA Inspector
Certificate # 13579

3.0 MANAGEMENT PLAN

This asbestos management plan was based on data from the most recent inspection for this facility and contains the elements described in 40 CFR Part 763, Subpart E. This plan was developed by an EPA-accredited management planner and includes:

- Asbestos management actions and recommendations
- Names of accredited persons who performed the work

- A plan for inspection, periodic surveillance, and operations and maintenance (O&M)

3.1 Local Education Agency Responsibilities

Under the Asbestos Hazard Emergency Response Act (AHERA) of 1986, EPA published on October 30, 1987, the AHERA Regulations, 40 CFR Part 763, Subpart E. The AHERA rule became effective on December 14, 1987 and applies to all elementary and secondary schools nationwide, both public and private. Local Education Agencies (LEAs) are responsible for ensuring compliance with the AHERA rule and are required, among other things, to develop and maintain an up-to-date Asbestos Management Plan (AMP), conduct training, inspections, and sampling related to asbestos, manage asbestos properly and provide yearly notification to parents, teachers and employee organizations about the AMP and any asbestos-related activities.

LEAs are also responsible for designating a contact person known as the Designated Person to oversee asbestos-related activities in the school and ensure that the AHERA responsibilities of the LEA are met. The quality of a school's asbestos program depends heavily upon the dedication and work of the Designated Person with the support of the LEA. The LEA and the Designated Person work together to ensure that each school is in compliance with federal, state and local asbestos regulations and that there are no uncontrolled releases of asbestos fibers in the school which could pose a health threat to children, school employees and visitors.

3.1.1 Local Education Agency Representative

The LEA Representative, designated by DeKalb County School's to ensure that responsibilities described above and in Title 40 CFR, Part 763.84 are carried out is:

Mr. Joshua Williams
Executive Director of Facilities Management
DeKalb County Schools
1780 Montreal Road
Tucker, Georgia 30084

Telephone: 678-676-1320

LEA Certification: As the LEA Representative, I certify that responsibilities as stipulated by Title 40 CFR, Part 763.84 have been met or will be met to the extent feasible and in a manner consistent with DeKalb County Schools policies.

_____

Mr. Joshua Williams
Executive Director of Facilities Management

3.2 Recommended Response Actions

The recommended response actions for each identified or assumed ACM are presented in Appendix D. This table includes blank Begin Date and End Date columns to assist the Designated Person in documenting implementation of recommended response actions. Upon satisfactory completion of each response action, the Designated Person will record the date in the appropriate space in the table and keep it with the management plan.

3.2.1 Reasons for Selecting Response Actions

Selection of response actions was based on guidelines in the EPA Rule "Asbestos-Containing Materials in Schools". The rationale is as follows:

- Significantly damaged surfacing material and miscellaneous material is likely to release asbestos fibers into the air. Therefore, this material should be removed and replaced with non-ACM, or it could be encapsulated or enclosed if such action would be not only feasible, but also sufficient to protect human health and the environment.
- Damaged surfacing and miscellaneous material may release asbestos fibers into the air. Therefore, the damaged areas should be immediately repaired. If repair of the damage is not feasible, the material should be removed and replaced with non-ACM, or it could be encapsulated or enclosed if such action would be not only feasible, but also sufficient to protect human health and the environment.
- Damaged or significantly damaged thermal system insulation may release asbestos fibers into the air. Therefore, the damaged areas should be repaired to inhibit asbestos fiber release. After repair, the insulation should be maintained in an intact state and undamaged condition. If repair of the damage is not feasible, the material should be removed and replaced with non-ACM.
- ACM with a potential for damage, including thermal system insulation, surfacing material, and miscellaneous material, may release asbestos fibers into the air if damaged. Therefore, the material should be properly maintained in accordance with an O&M program or removed and replaced with non-ACM.
- ACM with a potential for significant damage, including thermal system insulation, surfacing material, and miscellaneous material, is likely to release asbestos fibers into the air if damaged significantly. Therefore, preventive measures should be taken to ensure that the material does not become significantly damaged. An O&M program should be implemented, or the material should be enclosed, encapsulated, or removed and replaced as soon as possible with non-ACM.
- Any ACM, regardless of condition that may be disturbed by any planned action such as maintenance, installation, construction, or any other modification to the building, must be removed prior to conducting the planned action.

3.3 ACM Removal

Removal of more than three square or three linear feet of asbestos-containing material must be designed by an accredited Asbestos Designer and removed by an accredited

Asbestos Supervisor with accredited Asbestos Workers. It is the responsibility of the Designated Person to ensure that documentation of the removal project is retained. This documentation should be incorporated into the management plan. Documentation should include type, location and amount of ACM removed, removal dates, name of contractor and workers doing the removal work, a copy of the manifest for waste disposal and all air sampling data.

3.4 Planned Activities

DeKalb County Schools has implemented several planned asbestos activities to maintain compliance with AHERA. These include:

- Re-inspection
- Periodic surveillance
- Training
- Notification
- Recordkeeping

3.4.1 Re-inspection

Within three years of the effective date of this management plan and every three years thereafter, all known and assumed ACM remaining in each building still used by DeKalb County Schools must be re-inspected and reassessed by an accredited inspector. The re-inspection will be performed in accordance with Title 40 CFR, Section 763.85(b), and a record of the re-inspection will be incorporated into the management plan within 90 days of the re-inspection and will contain the following information:

- Date of the re-inspection
- Changes in the condition of known or assumed ACM
- Locations where any additional samples were collected
- Assessments or reassessments of ACM
- Signatures and certifications of inspectors

3.4.2 Periodic Surveillance

Within six months of the effective date of this management plan, and at least once every six months thereafter, a qualified person will visually inspect all identified known and assumed ACM. Periodic surveillance involves a visual inspection to note any changes in the condition of the ACM. A record of the surveillance, including the date and any changes in the condition of materials, will be maintained by the Designated Person. Periodic surveillance records should be inserted into this management plan for ready reference and inspection by future inspectors. A form for documenting the six month surveillance activity is included in Appendix G.

3.4.3 Training

AHERA requires that building maintenance and custodial staff receive two hours of asbestos awareness training. The maintenance and custodial staff must receive this

training whether or not their work involves contact with, or disturbance of, ACM. New staff must be trained within 60 days of employment. For staff whose work activities may disturb ACM, 14 additional hours of training are required.

The 2-hour awareness training required by AHERA should include the following:

- The origin of asbestos and its properties
- The common uses of asbestos-containing products
- The health effects associated with asbestos exposure
- How to recognize asbestos damage and hazards
- The primary agencies that regulate asbestos
- Availability and location of the AHERA Management Plan
- Understanding your AHERA Management Plan
- How to locate ACM in your building by using your AHERA Management Plan

Upon completion of the training, all course certificates will be printed and kept in the management plan binder. A form for recording worker training is provided in Appendix G.

3.4.4 Notification of Employees and Parents

Employees, including maintenance workers and custodians, and parents (or student's legal guardians) must be informed annually of the presence of asbestos materials in the buildings, scheduled and ongoing asbestos-related activities, inspection results, management actions, and periodic surveillance. The Designated Person must maintain copies of notification letters and documentation of other efforts that have been undertaken, such as E-mails and newsletters. The notification letters or records must be copied and inserted in the management plan in Appendix M after each annual notification. Examples of notification letters are included in Appendix G.

3.4.5 Recordkeeping and Reporting

AHERA requires that the LEA maintain certain records in the administrative offices of the school, as stated in 40 CFR 763.94

Asbestos Removal and Testing

For each area where ACM has been removed, records will be retained in the administrative offices of the school for three years beyond the next re-inspection, including the name and location of the storage or disposal site. The Designated Person will keep a copy of the original and all updated records. The Designated Person will retain the required records by inserting removal project information in Appendix M. Retained information will be updated as safety measures and response actions are completed.

Records of any air monitoring done in conjunction with asbestos management or removal should also be inserted in Appendix M, along with copies of laboratory analysis reports.

Records of any bulk sampling activities and analysis results completed between regular reinspections should be inserted in Appendix M.

Training

Upon completion of the asbestos-related training, course certificates will be printed and kept in Appendix M of the management plan binder.

Periodic Surveillance

Every six months, periodic surveillance will be performed and recorded as described in Section 3.4.2. The inspection record will be printed and inserted into the Management Plan binder, in Appendix I.

Reinspections

Every three years a reinspection will be conducted and documented as described in Section 3.4.1. The reinspection record will be printed and inserted into Appendix I of the management plan.

3.5 Operations and Maintenance

An O&M plan is required whenever materials with the potential to release asbestos fibers are found in buildings used by DeKalb County Schools. This plan describes work practices and procedures that will prevent the release of asbestos fibers during routine building maintenance and janitorial activities.

This plan describes initial and periodic cleaning procedures for areas containing asbestos. In addition, it includes maintenance and repair procedures to be followed by custodial and maintenance personnel who disturb ACM. The Designated Person is responsible for carrying out the O&M plan.

The O&M Program was developed for implementation by building maintenance and custodial staff and includes:

- Procedures for initial and additional cleaning of areas where friable ACM is located
- Procedures to protect workers and building occupants during O&M activities that disturb friable and non-friable ACM
- Procedures to follow if friable ACM is dislodged and fibers are released

3.5.1 Recommendations for Initial and Additional Cleaning

There are a few asbestos-containing material locations that require initial or additional cleaning in these buildings. These include the cleaning and repair of the 9"x9" floor tile located in the Cafeteria storage room the repair and cleaning of a few damaged fittings

located above the drop ceiling in the hallways and the repair and cleaning of a few areas of damaged plaster material located in the kitchen area.

Cleaning shall be conducted in accordance with the procedures provided in Appendix H.

The Designated Person shall document all cleaning activities by recording the following information and placing it in Appendix M:

- Name of the individual(s) performing the cleaning
- Material and cleaning methods used
- Date of the cleaning
- Locations cleaned

3.6 O&M Program Elements

The following sections describe the basic practices, procedures, and recommendations of the O&M Program for this school. Implementation of these program components is required for compliance with AHERA.

3.6.1 Notification and Labeling

Short-term workers, such as utility repairmen and contractors, who could potentially come into contact with asbestos in this facility must be informed by the Designated Person of the locations of all known or assumed ACM prior to working in those areas. An example notification letter to short term workers is provided in Appendix G. See Section 3.4.4 for additional notification letter requirements.

Labels warning of the presence of asbestos must be posted in routine maintenance areas such as boiler rooms, ceiling voids, and crawl spaces where friable and non-friable asbestos materials exist. These labels must be posted for all ACM including those that have been encapsulated, enclosed, or repaired. All warning labels must be displayed in easily visible locations and must remain posted until the ACM has been completely removed. Labels shall have a brightly colored background printed with the following warning in large capital letters:

CAUTION
ASBESTOS. HAZARDOUS.
DO NOT DISTURB WITHOUT PROPER TRAINING AND EQUIPMENT

Labels written in both English and other foreign languages, when appropriate, shall be posted.

3.6.2 Respiratory Protection Program

Respiratory protection must be used by all school employees when performing any O&M activities in which the potential for exposure to asbestos fibers exist. A Respiratory Protection Program, as outlined in OSHA Regulations 29 CFR 1910.134 and 1910.1001, must be implemented and documented for all school employees whose work activities

will involve disturbance of ACM. A written program must specify standard operating procedures for the use and maintenance of the respiratory protection equipment. The program must include respirator selection, fit-testing, and hands-on training of each employee required to wear a respirator. A baseline medical examination and annual examinations as outlined in the OSHA regulation must be provided for each worker required to participate in the Respiratory Protection Program.

For O&M work, personnel must use, at a minimum, a negative-pressure, half-mask, air-purifying respirator equipped with P-100 filters. Initial exposure monitoring must be conducted to determine the concentration of airborne asbestos fibers in each work area and verify that the respiratory protection being used is adequate.

3.6.3 Area Restrictions for ACM Related Work

Access to areas containing either friable or non-friable asbestos materials must be restricted before starting any O&M activity that could disturb the asbestos. Depending on the O&M activity, restriction of an area will typically use the following procedures:

- Schedule the activity during hours when the area will be unoccupied
- Post signs at all entrances to the area
- Temporarily shut off or modify the air handling system
- Limit other sources of air movement in the area
- Isolate the area with air-tight barriers if required

Only trained personnel who are vital to the successful performance of the maintenance activity shall be allowed into the restricted area.

3.6.4 Small Scale Short Duration Work Activities.

For the purpose of this management plan, small scale short duration projects are those that involve less than three (3) square feet or three (3) linear feet of ACM. Persons performing these projects must have the 16 hours of training as specified in the AHERA regulation and follow the procedures for containment, clean up and disposal of ACM taught in the training course.

3.6.5 Fiber Release Episodes - Procedures and Management

A fiber release episode may result from damage or deterioration of friable ACM. In this event, immediate action must be taken to protect the building occupants and workers from exposure to airborne fibers, as follows:

- Access to the affected area must be restricted
- Hazard signs must be posted at all entries
- The air handling system to that area must be shut off
- Appropriate respiratory protection and protective clothing must be worn by response workers

Minor Fiber Release Episodes

A minor fiber release episode is the disturbance of no more than three (3) square or linear feet of friable ACM. If a minor fiber release episode occurs, the Designated Person must be notified immediately. Properly trained maintenance personnel must take immediate action to clean up the falling or dislodged material and repair the damaged areas of ACM using the following procedures:

- Completely saturate all dislodged material with water
- Place all dislodged materials into asbestos waste disposal containers
- Wet wipe all surfaces which may have had dust/debris deposited on the surface
- Thoroughly clean all surfaces in the area using a high efficiency particulate air (HEPA) Vacuum
- Dispose of all debris, filters, mop heads, and cloths in sealed, labeled, leak-tight containers
- Repair the damaged area of ACM with an appropriate encapsulant or an asbestos free material such as spackling, plaster, cement, or insulation. If the damaged area cannot be repaired, physically isolate and restrict access to the area and initiate actions to remove the damaged ACM.

Major Fiber Release Episodes

A major fiber release episode is the disturbance of more than three (3) square or linear feet of friable ACM. If a major fiber release occurs, the Designated Person must be notified immediately and the following actions must be
taken:

- Restrict entry into the area and post signs at all entrances to prevent access by unauthorized persons
- Temporarily shut off or modify the air handling system and limit other sources of air movement through the area

Corrective response actions associated with major fiber release episodes must be designed, supervised, and conducted by appropriately accredited persons.

Decontamination Procedures

After handling any ACM, personnel and tools must be properly decontaminated as follows:

- Wet wipe tools used in the corrective management action
- HEPA vacuum protective clothing including hood and booties to remove accumulated asbestos debris
- Remove protective clothing by turning the clothing inside out, rolling into a ball, and disposing as asbestos-contaminated waste
- Before removing respirator, wet wipe person's face and the respirator
- Thoroughly wash any exposed body part that may have come in contact with the ACM

3.6.6 Waste Handling and Disposal

All asbestos-contaminated waste materials are to be handled, transported, and disposed of in a manner that prevents any visible emissions. All protective polyethylene disposable coveralls, respirator filters, vacuum filters, and wastewater used in O&M activities must be considered "asbestos wastes." All asbestos should be placed in 6 millimeter (mm) polyethylene bags that have pre-printed asbestos warning labels affixed to the bags. The Designated Person should maintain a supply of these bags.

Asbestos-containing and asbestos-contaminated material must be placed into sealable 6 mm polyethylene bags while still wet. Do not overfill or place more than 20 pounds into bags. The bag should then be evacuated with a HEPA vacuum and sealed by twisting the top closed and wrapping with a minimum of two (2) layers of duct tape. Twist the top, fold over, and then apply a second wrap of duct tape. Clean the outside of the disposal bag by wet wiping. Finally, place the bag into a second properly labeled 6 mm polyethylene bag. If sharp objects are to be disposed of, these should be placed in a puncture proof container such as a fiberboard box and then bagged.

Excess wastewater generated from wetting procedures should be containerized and disposed of through a series of two (2) sock filters. The first filter is 100-micron pore size and filters out large particulates. The second filter is 5-micron pore size and filters out smaller particulates. The water can then be disposed of as uncontaminated waste. The used filters must be disposed of as asbestos-contaminated waste.

Loading, transporting, unloading, and disposal of asbestos-containing and asbestos contaminated materials should be in accordance with all applicable state and federal regulations.

3.6.7 Maintenance and Repair Request Permit System

The presence of ACM in buildings requires the establishment of a standardized and coordinated procedure for reviewing work order requests. This is necessary to:

- Prevent unauthorized or untrained individuals from performing work that could potentially release asbestos fibers into the building environment, and
- Ensure that asbestos-related work activities - other than small-scale, short-duration projects - are designed and conducted by accredited persons.

All work requests, including those for renovations, repairs, etc., should be first forwarded to the Designated Person for approval. The Designated Person should review all work orders to determine if the requested activities could disturb ACM in the proposed work area. Absolutely no work activities should be permitted prior to this review process. For areas where intended work could cause asbestos fiber release, specific work procedures and equipment should be specified on the work permit.

3.6.8 Recordkeeping

EPA regulations require that O&M plans and records be maintained in both the facility's administrative office and the LEA Representative's/Designated Person's office. These records should be kept with the management plan for the following:

- Material management actions (Appendix M):
  - Name/signature of persons who collected air samples
  - Air sample location and date
  - Name and address of laboratory performing the air sample analysis
  - Date, method, and results of analysis
  - Name and signature of persons performing analysis
  - Laboratory certification verification
- Cleaning activities conducted in areas of ACM (Appendix M):
  - Date and name of persons conducting the cleaning
  - Location cleaned
  - Methods used
- Individuals requiring training (Appendix M):
  - Name and job title
  - Date and location of training
  - Number of training hours completed
  - Date of last medical surveillance examination, where applicable
- Other activities under the scope of the O&M Plan (Appendix M):
  - Name of persons performing the activity
  - Initiation and completion dates of the specific activity
  - Location and description of the activity, including preventive measures
  - Name and location of storage or disposal site if ACM is removed during the activity
- Each fiber release episode (Appendix M):
  - Date and location of the episode
  - Repair method
  - Preventive measures or management action taken
  - Name and location of storage or disposal site if ACM is removed during the activity

For areas where all ACM has been removed, records must be kept for a period of at least three (3) years following the next re-inspection date.

3.7 Recommended Response Actions for ACM

Table D-1 in Appendix D presents recommended response actions for all identified or assumed ACM. The recommended response actions correlate to O&M Procedures specified in the AHERA regulations, including surveillance, labeling, and maintenance and repair, along with procedures for initial and additional cleaning of functional spaces where ACM has been identified.

3.8 AHERA Accreditation Statement

Compass Environmental, Inc. prepared this management plan for DeKalb County School's E.L. Miller Elementary School in accordance with applicable regulations and guidelines. The management planner was accredited in accordance with Section 206 of Title II under AHERA. Credentials are included in Appendix F.

Reported prepared by:

Pamela H. Hogue
AHERA Management Planner
Certificate # 13579

APPENDIX A

HOMOGENEOUS MATERIALS SAMPLING SUMMARY

ACM Summary – Identified and Assumed

Non Asbestos-Containing Materials Summary

Homogeneous Material Sampling Summary
E.L. Miller Elementary School
919 Martin Road
Stone Mountain, Georgia 30088
April 24, 2013

Note: All sample numbers begin with 3236-

Asbestos-Containing Homogeneous Materials

Sample Number	Homogeneous Area Description	Homogeneous Area Sample Location	Asbestos Content
ELMES-05	12" x 12" tan floor tile with dark brown and cream streaks and black mastic	Media center work room	Tile - 2% Chrysotile Mastic – 6% Chrysotile
ELMES-06	12" x 12" tan floor tile with dark brown and cream streaks and black mastic	Media center reading specialist room	Tile - 2% Chrysotile Mastic – 6% Chrysotile
ELMES-07	12" x 12" tan floor tile with dark brown and cream streaks and black mastic	Kindergarten area	Tile - 2% Chrysotile Mastic – 6% Chrysotile
ELMES-08	Sink mastic - black	Media center work room	5% Chrysotile
ELMES-09	Sink mastic - black	Clinic	5% Chrysotile
ELMES-09QC	Sink mastic - black	Clinic	3% Chrysotile
ELMES-24	Sink mastic - black	2nd Grade area	5% Chrysotile
	Plaster	Restrooms, exterior overhangs	PACM* 1991 AHERA Inspection
Note: The 1991 AHERA Inspection designated this material as positive; however, the sampling and analytical data reviewed did not clearly confirm this.			
	Fire doors	Exits, boiler room	PACM*
	Vibration dampeners	HVAC equipment	PACM*
	Gaskets, valve packing and cement products	Boiler room, piping throughout buildings	PACM*
	Stage Curtain	Cafeteria	PACM*

Asbestos-Containing Homogeneous Materials (cont.)

Sample Number	Homogeneous Area Description	Homogeneous Area Sample Location	Asbestos Content
	Black laboratory counter tops, table tops and back splashes	Classrooms	PACM*
	Boiler	Boiler room	PACM*

***PACM - Presumed asbestos-containing material**

Non - Asbestos-Containing Homogeneous Materials

Sample Number	Homogeneous Area Description	Homogeneous Area Sample Location	Asbestos Content
ELMES-01	2' x 4' drop in ceiling tile - small holes with deep small fissures	Media center conference room	None Detected
ELMES-02	2' x 4' drop in ceiling tile - small holes with deep small fissures	Media center work room	None Detected
ELMES-03	2' x 4' drop in ceiling tile - small and medium holes	Media center conference room	None Detected
ELMES-04	2' x 4' drop in ceiling tile - small and medium holes	Room 102	None Detected
ELMES-10	2' x 2' drop in ceiling tile - small holes with small fissures	Hallway outside of media center	None Detected
ELMES-11	2' x 2' drop in ceiling tile - small holes with small fissures	Hallway outside kindergarten	None Detected
ELMES-12	2' x 2' drop in ceiling tile - small holes with small fissures	Hallway outside kindergarten	None Detected
ELMES-13	Cove base mastic - tan with brown layer	Hallway outside media center	None Detected
ELMES-14	Cove base mastic - tan with brown layer	Room 101	None Detected
ELMES-15	Cove base mastic - tan with brown layer	Kindergarten Area	None Detected

Non - Asbestos-Containing Homogeneous Materials (cont.)

Sample Number	Homogeneous Area Description	Homogeneous Area Sample Location	Asbestos Content
ELMES-16	Wallboard and joint compound	Hallway outside media center	None Detected (both wallboard and joint compound)
ELMES-17	Wallboard and joint compound	Hallway outside room 105	None Detected (both wallboard and joint compound)
ELMES-18	Wallboard and joint compound	Hallway outside room 109	None Detected (both wallboard and joint compound)
ELMES-38	Wallboard and joint compound	Hallway outside room 119	None Detected (both wallboard and joint compound)
ELMES-39	Wallboard and joint compound	Hallway outside room 104	None Detected (both wallboard and joint compound)
ELMES-40	Wallboard and joint compound	Mechanical room ceiling	None Detected (both wallboard and joint compound)
ELMES-40QC	Wallboard and joint compound	Mechanical Room Ceiling	No Asbestos Observed (both wallboard and joint compound)
ELMES-41	Wallboard and joint compound	Mechanical Room Ceiling	None Detected (both wallboard and joint compound)
ELMES-42	Wallboard and joint compound	Mechanical Room Ceiling	None Detected (both wallboard and joint compound)
ELMES-19	12" x 12"white floor tile with dark gray and blue specks and yellow mastic	Room 104	None Detected (both tile and mastic)
ELMES-19 TEM+	12" x 12"white floor tile with dark gray and blue specks and yellow mastic	Room 104	None Detected (both tile and mastic)

Non - Asbestos-Containing Homogeneous Materials (cont.)

Sample Number	Homogeneous Area Description	Homogeneous Area Sample Location	Asbestos Content
ELMES-20	12" x 12"white floor tile with dark gray and blue specks and yellow mastic	Room 105	None Detected (both tile and mastic)
ELMES-21	12" x 12"white floor tile with dark gray and blue specks and yellow mastic	Room 115	None Detected (both tile and mastic)
ELMES-22	Fire stop - red	Hallway outside room 105	None Detected
ELMES-23	Fire stop - red	Hallway outside room 111	None Detected
ELMES-25	12" x 12" off-white floor tile with gray and tan specks and yellow mastic	1986 Building Hallway by room 133	None Detected (both tile and mastic)
ELMES-25 TEM+	12" x 12" off-white floor tile with gray and tan specks and yellow mastic	1986 Building Hallway by room 133	None Detected in tile
ELMES-26	12" x 12" off-white floor tile with gray and tan specks and yellow mastic	1986 Building Hallway by room 134	None Detected (both tile and mastic)
ELMES-27	Cove base mastic - brown	1986 Building Hallway by room 134	None Detected
ELMES-28	Cove base mastic -brown	1986 Building Hallway by girls' restroom	None Detected
ELMES-29	Wallboard and Joint Compound	1986 Building Hallway by girls' restroom	None Detected (both wallboard and joint compound)
ELMES-29-QC	Wallboard and Joint Compound	1986 Building Hallway by girls' restroom	No Asbestos Observed (both wallboard and joint compound)
ELMES-30	Wallboard and Joint Compound	1986 Building Hallway by room 138	None Detected (both wallboard and joint compound)

Non - Asbestos-Containing Homogeneous Materials (cont.)

Sample Number	Homogeneous Area Description	Homogeneous Area Sample Location	Asbestos Content
ELMES-31	Wallboard and Joint Compound	1986 Building Hallway by room 135	None Detected (both wallboard and joint compound)
ELMES-32	White mastic on fiberglass	1986 Building Hallway by girls' restroom	None Detected
ELMES-33	White mastic on fiberglass	1986 Building Hallway by room 138	None Detected
ELMES-34	2' x 2'drop in ceiling tile - small holes with small fissures	1986 Building Classroom	None Detected
ELMES-35	2' x 2'drop in ceiling tile - small holes with small fissures	1986 Building Janitor's closet	None Detected
ELMES-36	2' x 4' drop in ceiling tile - white, smooth wallboard type panels	Kitchen	None Detected
ELMES-37	2' x 4' drop in ceiling tile - white, smooth wallboard type panels	Kitchen	None Detected
ELMES-43	Wallboard and Joint Compound	Gym Building	None Detected (both wallboard and joint compound)
ELMES-44	Wallboard and Joint Compound	Gym Building	None Detected (both wallboard and joint compound)
ELMES-45	Wallboard and Joint Compound	Gym Building	None Detected (both wallboard and joint compound)
ELMES-46	Fire stop - red	Gym Building	None Detected
ELMES-47	Fire stop - red	Gym Building	None Detected

Non - Asbestos-Containing Homogeneous Materials (cont.)

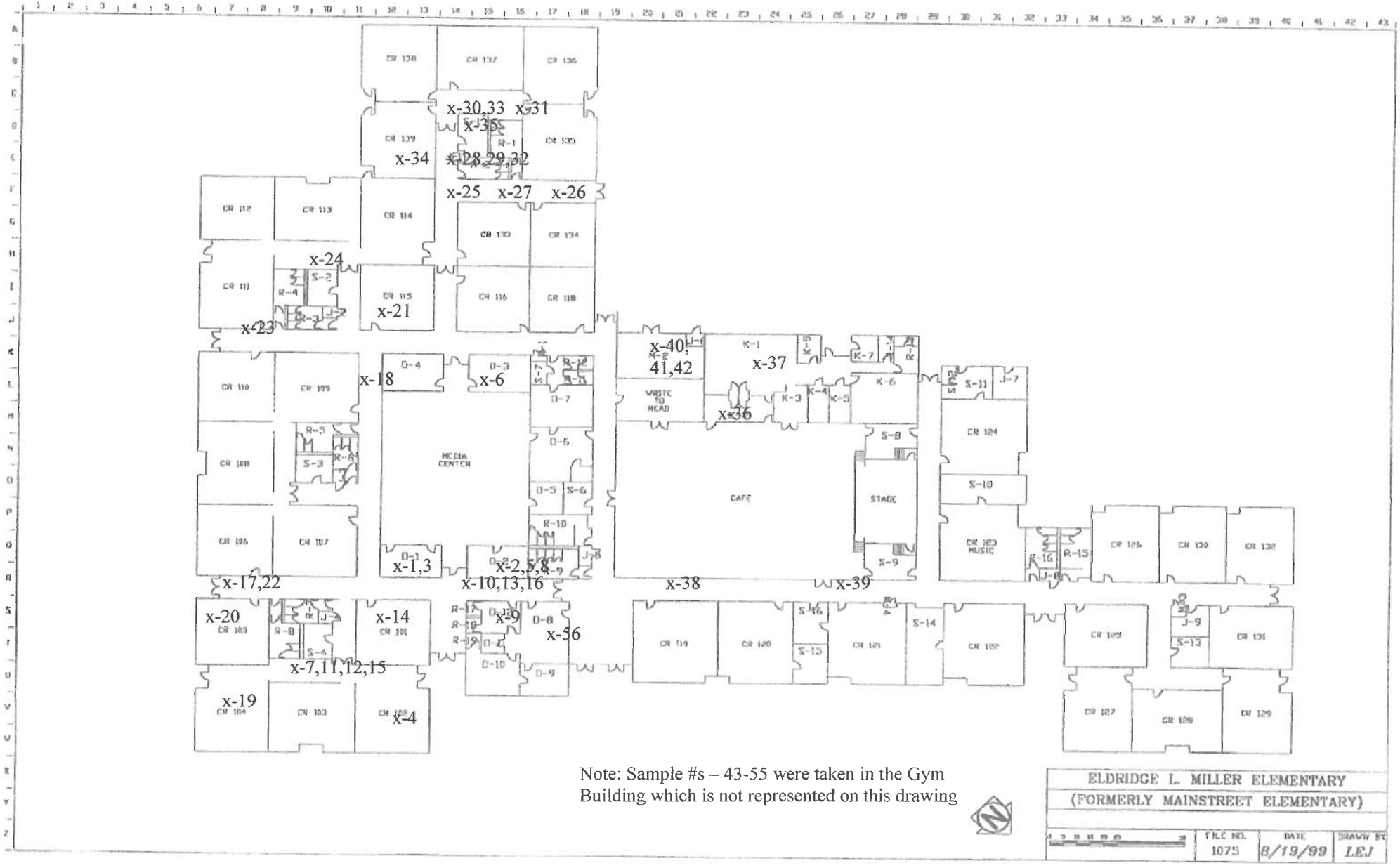
Sample Number	Homogeneous Area Description	Homogeneous Area Sample Location	Asbestos Content
ELMES-48	12" x 12" white floor tile with dark gray and blue specks and yellow mastic	Gym Building	None Detected (both tile and mastic)
ELMES-48 TEM+	12" x 12" white floor tile with dark gray and blue specks and yellow mastic	Gym Building	None Detected in tile
ELMES-49	12" x 12" white floor tile with dark gray and blue specks and yellow mastic	Gym Building	None Detected (both tile and mastic)
ELMES-50	2' x 2' drop in ceiling tile - small holes with small fissures	Gym Building	None Detected
ELMES-51	2' x 2' drop in ceiling tile - small holes with small fissures	Gym Building	None Detected
ELMES-52	White mastic on fiberglass pipe insulation	Gym Building	None Detected
ELMES-53	White mastic on fiberglass pipe insulation	Gym Building	None Detected
ELMES-54	Cove base mastic - tan	Gym Building	None Detected
ELMES-55	Cove base mastic - tan	Gym Building	None Detected
ELMES-56	12" x 12" cream floor tile with tan and gray specks and yellow mastic	Front office	None Detected (both tile and mastic)
ELMES-56 TEM+	12" x 12" cream floor tile with tan and gray specks and yellow mastic	Front office	None Detected in tile
ELMES-57	12" x 12" cream floor tile with tan and gray specks and yellow mastic	Front office	None Detected (both tile and mastic)

+ Additional analysis performed **Semi-Quantitative Chatfield SOP 1988-02 Rev.1**

APPENDIX B

DRAWING DEPICTING SAMPLING LOCATIONS

E.L. Miller Elementary School
AHERA 3 Year Inspection - Sample Locations
April 24, 2013
Note: All samples begin with #3236-ELMES



APPENDIX C

PHOTOGRAPHS OF HOMOGENEOUS MATERIALS

Identified and Assumed ACM

Non Asbestos-Containing Materials

Photographs of Asbestos-Containing Homogeneous Materials Sampled
E.L. Miller Elementary School
919 Martin Road
Stone Mountain, Georgia 30088
April 24, 2013

Asbestos-Containing Materials

Photo #1 – 12" x 12" tan floor tile with dark brown and cream streaks and black mastic

Photo #2 – Sink mastic - black

Asbestos-Containing Materials (cont.)

Photo #3 - Plaster – PACM*

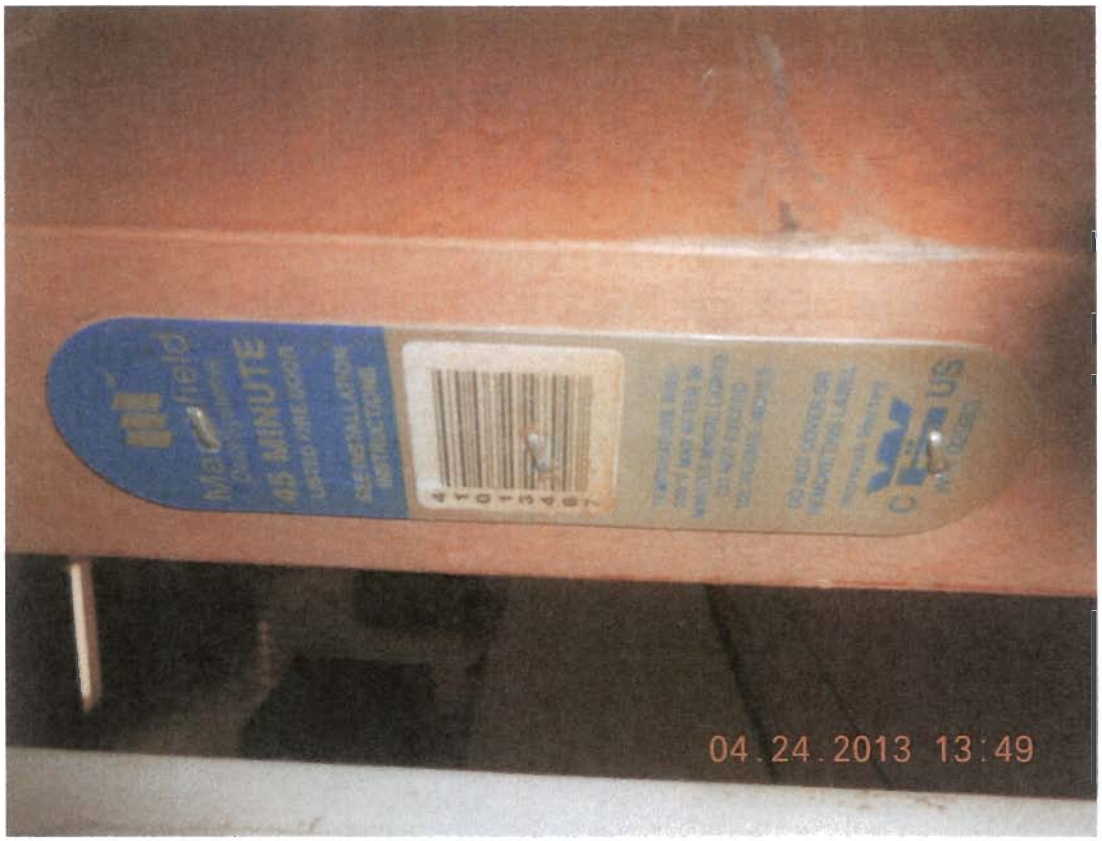


Photo #4 – Fire Doors – PACM*

Asbestos-Containing Materials (cont.)

Photo #5 – Vibration Dampeners – PACM*

Photo #6 – Gaskets, Valve packing and cement products – PACM*

Asbestos-Containing Materials (cont.)

Photo #7 – Stage Curtain – PACM*

Photo #8 – Black laboratory counter tops, table tops and back splashes – PACM*

Asbestos-Containing Materials (cont.)

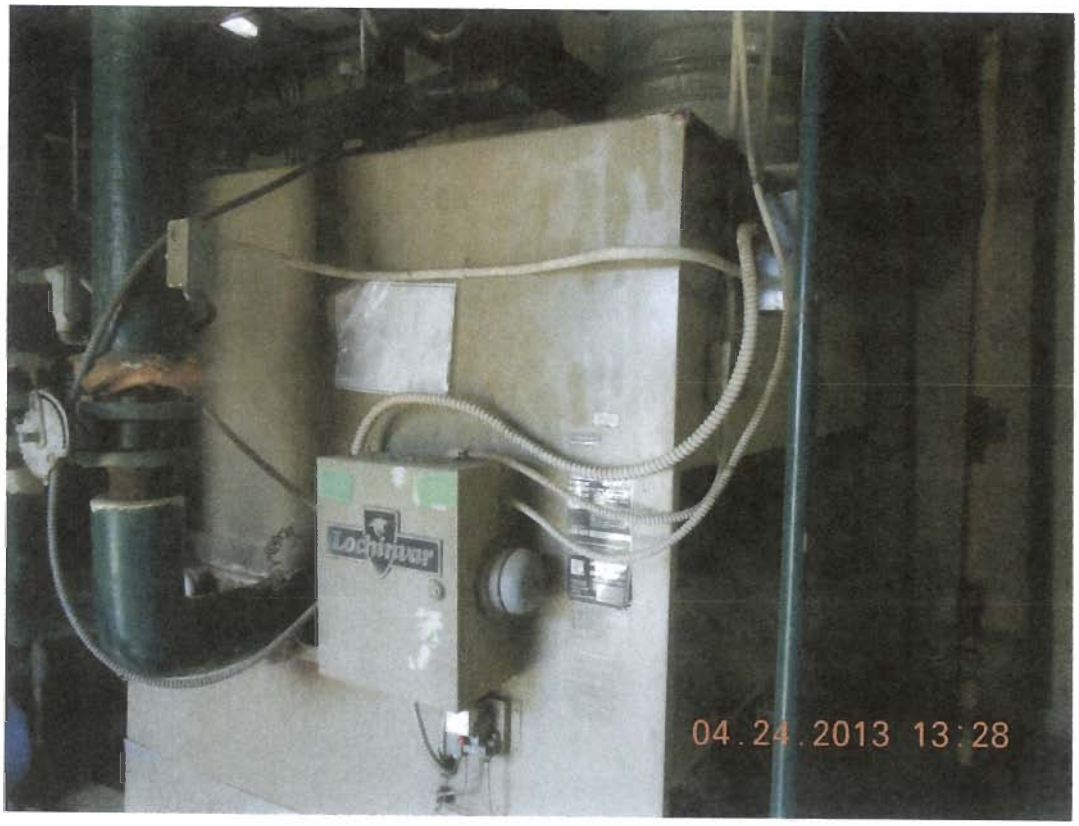


Photo #9 – Boiler – PACM*

PACM- Presumed Asbestos-Containing Material

Asbestos-Containing Materials (cont.)

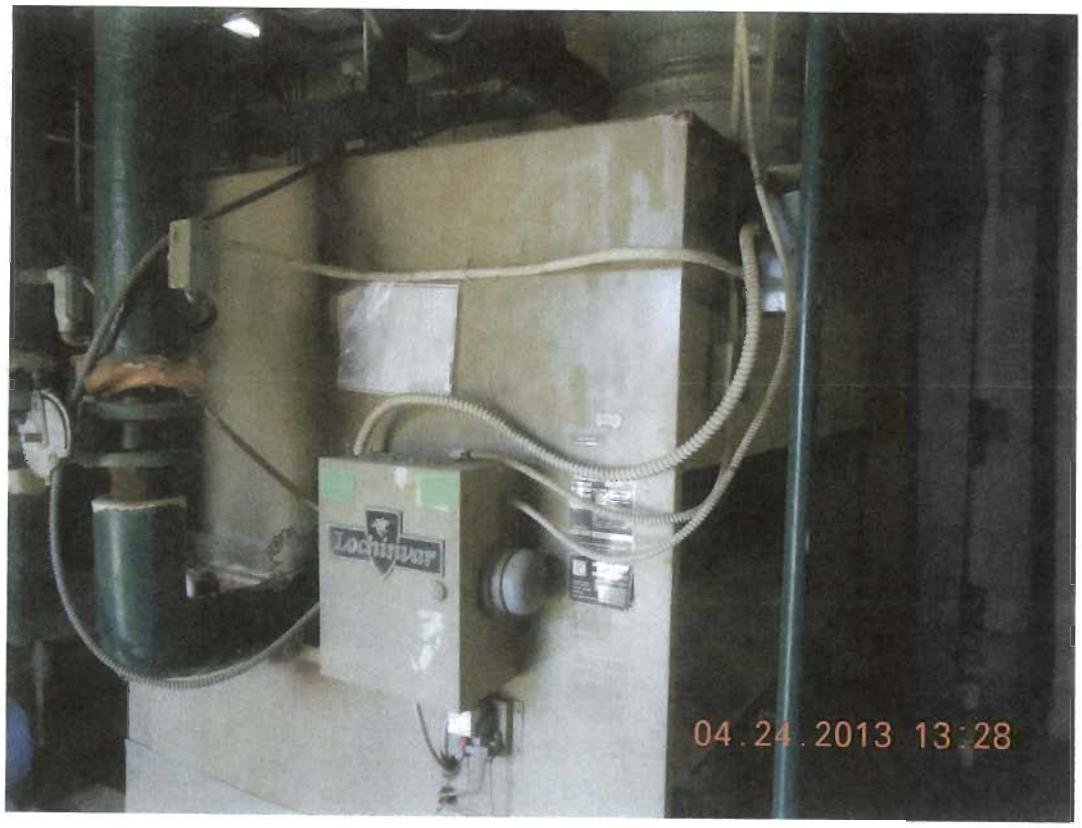


Photo #9 – Boiler – PACM*

PACM*- Presumed Asbestos-Containing Material

Photographs of Non Asbestos-Containing Homogeneous Materials Sampled
E.L. Miller Elementary School
919 Martin Road
Stone Mountain, Georgia 30088
April 24, 2013

Non Asbestos-Containing Materials

Photo #1 – 2' x 4' drop in ceiling tile - small holes with deep small fissures

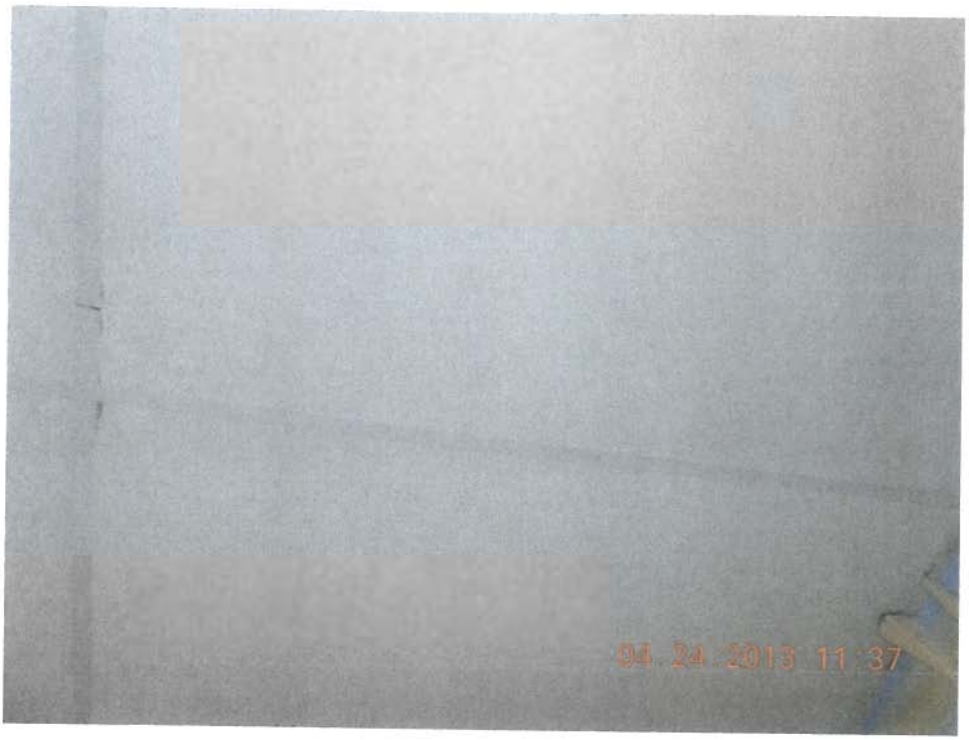


Photo #2 – 2' x 4' drop in ceiling tile - small and medium holes

Non Asbestos-Containing Materials (cont.)

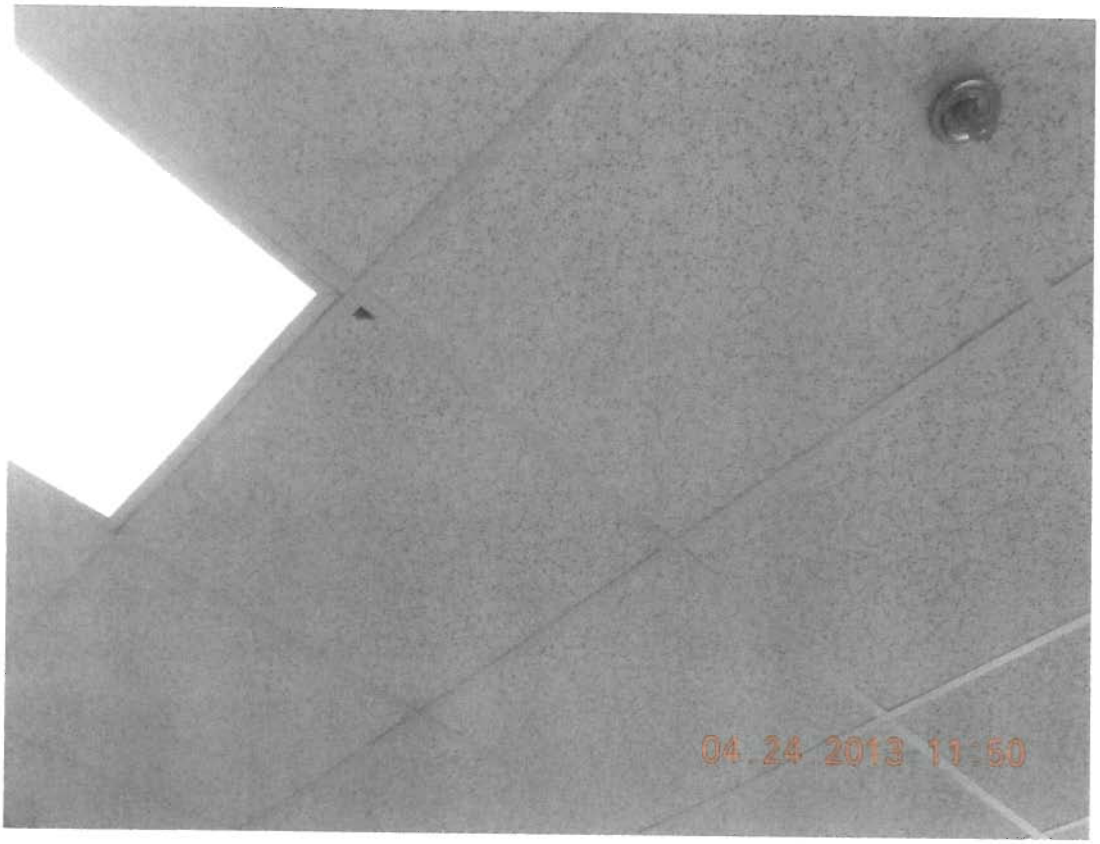


Photo #3 – 2' x 2' drop in ceiling tile - small holes with small fissures

Photo #4 – Cove base mastic - tan with brown layer

Non Asbestos-Containing Materials (cont.)

Photo #5 – 1981 Building - Wallboard and joint compound

Photo #6 – 12" x 12" white floor tile with dark gray and blue specks and yellow mastic

Non Asbestos-Containing Materials (cont.)

Photo #7 – Fire Stop – Red

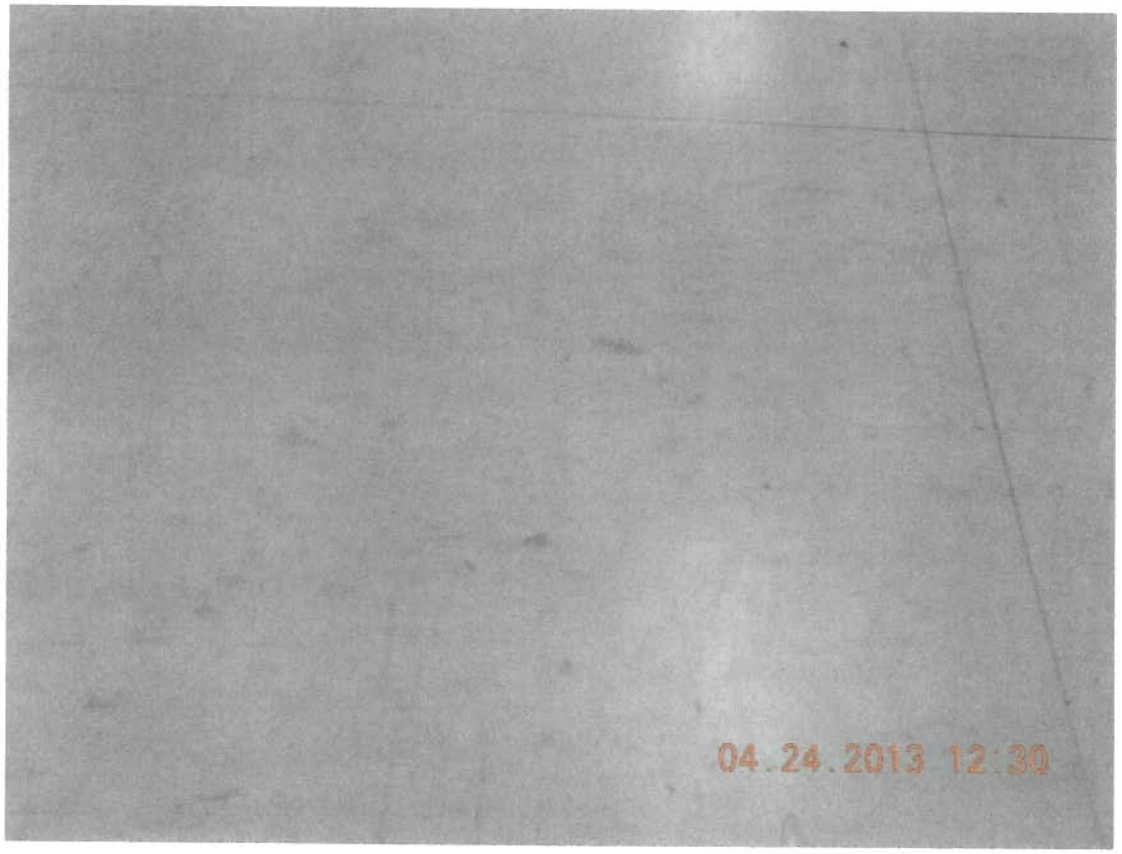


Photo #8 – 12" x 12" off-white floor tile with gray and tan specks and yellow mastic

Non Asbestos-Containing Materials (cont.)

Photo #9 – 1986 Building - Cove base mastic - brown

Photo #10 – 1986 Building - Wallboard and joint compound

Non Asbestos-Containing Materials (cont.)

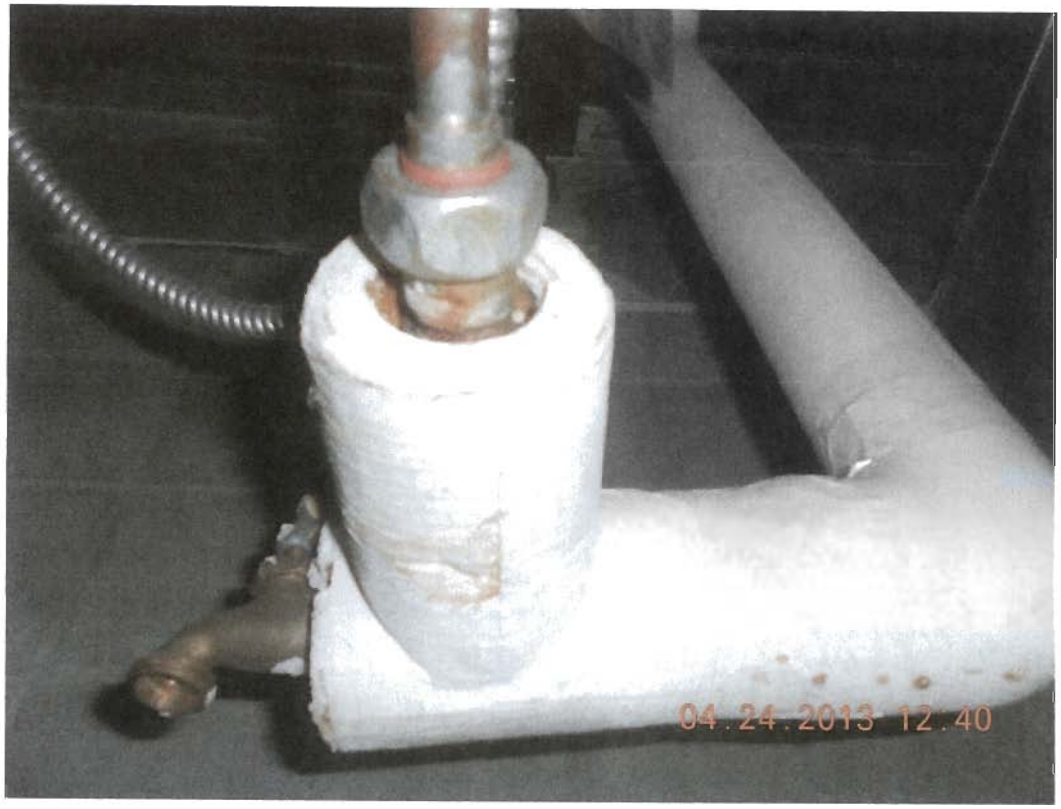


Photo #11 – 1986 Building - White mastic on fiberglass

Photo #12 – 1986 Building - 2' x 2' drop in ceiling tile - small holes with small fissures

Non Asbestos-Containing Materials (cont.)

Photo #13 – 2' x 4' drop in ceiling tile - white, smooth wallboard type panels

Photo #14 – Gym - Wallboard and joint compound

Non Asbestos-Containing Materials (cont.)

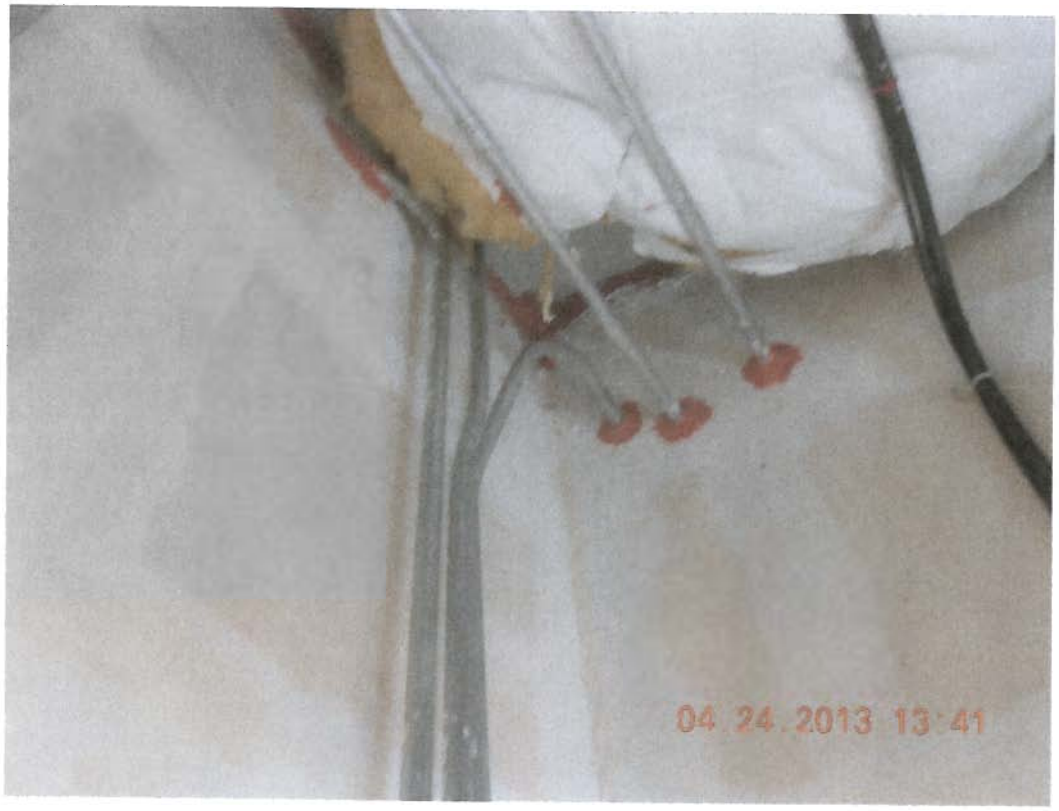


Photo #15 – Gym -Fire Stop – Red

Photo #16 – Gym - 12" x 12" white floor tile with dark gray and blue specks and yellow mastic

Non Asbestos-Containing Materials (cont.)

Photo #17 – Gym - 2' x 2' drop in ceiling tile, small holes with small fissures

Photo #18 – Gym - White mastic on fiberglass pipe insulation

Non Asbestos-Containing Materials (cont.)

Photo #19 – Gym - Cove base mastic, tan

Photo #20 – 12" x 12" cream floor tile with tan and gray specks and yellow mastic

APPENDIX D

RECOMMENDED RESPONSE ACTIONS

Table D-1
E.L. Miller Elementary School
Recommended Response Actions
Identified and Assumed ACBM

Material Description	Locations	Friable	Overall Condition	Types of Damage	Accessibility	Potential for Air Erosion	Potential for Vibration	Potential for Damage	EPA Assessment Category	AHERA Cleaning Required	Recommended Management Actions	Begin Date	End Date
12"x12" tan floor tile with dark brown and cream streaks with and black mastics	2010; 1981 Building – cafeteria, classrooms, offices	No	Good	None	Medium	Low	Low	Medium	8	No	1. No immediate abatement required 2. Continue surveillance of this material under the asbestos management plan		
Sink mastic – black	2010; 1981 Building – workrooms, clinic, hallways	No	Good	None	Medium	Low	Low	Medium	8	No	1. No immediate abatement required 2. Continue surveillance of this material under the asbestos management plan		
Plaster	2010, 2011; 1981, 1986 Buildings – restrooms, exterior overhangs	Yes	Good	None	Low	Low	Low	Low	5	No	1. No immediate abatement required 2. Continue surveillance of this material under the asbestos management plan		
Fire Doors	2010, 2011; 1981, 1986 Buildings – exits, boiler room	No	Good	None	Medium	Low	Low	Low	8	No	1. No immediate abatement required 2. Continue surveillance of this material under the asbestos management plan		

Material Description	Locations	Friable	Overall Condition	Types of Damage	Accessibility	Potential for Air Erosion	Potential for Vibration	Potential for Damage	EPA Assessment Category	AHERA Cleaning Required	Recommended Management Actions	Begin Date	End Date
Vibration Dampeners	2010, 2011; 1981, 1986 Buildings – HVAC equipment	No	Good	None	Low	Medium	Medium	Low	8	No	1. No immediate abatement required 2. Continue surveillance of this material under the asbestos management plan		
Gaskets, valve packing and cement products	2010, 2011; 1981, 1986 Buildings - boiler room, piping throughout buildings	No	Good	None	Low	Low	Low	Low	8	No	1. No immediate abatement required 2. Continue surveillance of this material under the asbestos management plan		
Stage Curtain	2010; 1981 Building – cafeteria	No	Good	None	Low	Low	Low	Low	8	No	1. No immediate abatement required 2. Continue surveillance of this material under the asbestos management plan		
Black laboratory counter top, table tops and back splashes	2010, 2011; 1981, 1986 Buildings - classrooms	No	Good	None	Medium	Low	Low	Low	8	No	1. No immediate abatement required 2. Continue surveillance of this material under the asbestos management plan		

Material Description	Locations	Friable	Overall Condition	Types of Damage	Accessibility	Potential for Air Erosion	Potential for Vibration	Potential for Damage	EPA Assessment Category	AHERA Cleaning Required	Recommended Management Actions	Begin Date	End Date
Boiler	2010; 1981 Building – Boiler room	Yes	Good	None	Low	Low	Low	Low	5	No	1. No immediate abatement required 2. Continue surveillance of this material under the asbestos management plan		

Material Description	Locations	Friable	Overall Condition	Types of Damage	Accessibility	Potential for Air Erosion	Potential for Vibration	Potential for Damage	EPA Assessment Category	AHERA Cleaning Required	Recommended Management Actions	Begin Date	End Date
Boiler Flue	2010; 1955 Building – Boiler room	No	Good	None	Low	Low	Low	Low	8	No	1. No immediate abatement required 2. Continue surveillance of this material under the asbestos management plan		
TSI-Fittings, cementitious	2010,2011, 2012; 1955,1957, 1970 Buildings - Boiler room, piping throughout buildings	Yes	Good	Physical	Low	Low	Low	Low	5	No	1. No immediate abatement required 2. Continue surveillance of this material under the asbestos management plan		
Wallboard and joint compound	2010; 1955 Building – Classrooms offices	Yes	Good	None	Medium	Low	Low	Medium	5	No	1. No immediate abatement required 2. Continue surveillance of this material under the asbestos management plan		
12"x12" tan floor tile with dark tan and cream specks with black mastic	2010,2011; 1955,1957, Buildings – hallways	No	Good	None	Medium	Low	Low	Medium	8	No	1. No immediate abatement required 2. Continue surveillance of this material under the asbestos management plan		

APPENDIX E

LABORATORY REPORTS

Primary Laboratory Report

TEM Laboratory Report

Quality Control Laboratory Report

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020

NVLAP Lab Code: 200664-0

Customer: Compass Environmental
1751 McCollum Pkwy
Kennasaw GA 30144-5908

Attn: Pam Hogue

Project: 3236- ELMES

Lab Order ID: 1307890
Analysis ID: 1307890_PLM
Date Received: 4/29/2013
Date Reported: 5/3/2013

Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
3236-ELMES-01	2'x4' drop in ceiling tile - small holes with deep fissures (small)	None Detected	40% Cellulose 40% Fiber Glass	10% Perlite 10% Other	White, Gray Fibrous Homogeneous
1307890PLM_1					Ashed
3236-ELMES-02	2'x4' drop in ceiling tile - small holes with deep fissures (small)	None Detected	40% Cellulose 40% Fiber Glass	10% Perlite 10% Other	White, Gray Fibrous Homogeneous
1307890PLM_2					Ashed
3236-ELMES-03	2'x4' drop in ceiling tile - small and medium holes	None Detected	40% Cellulose 40% Fiber Glass	10% Perlite 10% Other	White, Gray Fibrous Homogeneous
1307890PLM_3					Ashed
3236-ELMES-04	2'x4' drop in ceiling tile - small and medium holes	None Detected	40% Cellulose 40% Fiber Glass	10% Perlite 10% Other	White, Gray Fibrous Homogeneous
1307890PLM_4					Ashed
3236-ELMES-05 - A	12"x12" tan floor tile with dark brown and cream streaks with black mastic	2% Chrysotile		98% Other	Tan, Brown Non Fibrous Homogeneous
1307890PLM_5	*tile*				Dissolved
3236-ELMES-05 - B	12"x12" tan floor tile with dark brown and cream streaks with black mastic	6% Chrysotile		94% Other	Black Non Fibrous Homogeneous
1307890PLM_58	*mastic*				Dissolved
3236-ELMES-06 - A	12"x12" tan floor tile with dark brown and cream streaks with black mastic	2% Chrysotile		98% Other	Tan, Brown Non Fibrous Homogeneous
1307890PLM_6	*tile*				Dissolved
3236-ELMES-06 - B	12"x12" tan floor tile with dark brown and cream streaks with black mastic	6% Chrysotile		94% Other	Gray Non Fibrous Homogeneous
1307890PLM_59	*mastic*				Dissolved

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Bethany Nichols (69)

Analyst

Approved Signatory

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020

NVLAP Lab Code: 200664-0

Customer: Compass Environmental
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Project: 3236- ELMES

Lab Order ID: 1307890
Analysis ID: 1307890_PLM
Date Received: 4/29/2013
Date Reported: 5/3/2013

Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
3236-ELMES-07 - A	12"x12" tan floor tile with dark brown and cream streaks with black mastic	**2% Chrysotile**		**98% Other**	Tan, Brown Non Fibrous Homogeneous
1307890PLM_7	*tile*				Dissolved
3236-ELMES-07 - B	12"x12" tan floor tile with dark brown and cream streaks with black mastic	**6% Chrysotile**		**94% Other**	Black Non Fibrous Homogeneous
1307890PLM_60	*mastic*				Dissolved
3236-ELMES-08	Sink mastic - black	**5% Chrysotile**		**95% Other**	Black Non Fibrous Homogeneous
1307890PLM_8					Dissolved
3236-ELMES-09	Sink mastic - black	**5% Chrysotile**		**95% Other**	Black Non Fibrous Homogeneous
1307890PLM_9					Dissolved
3236-ELMES-10	2'x2' drop in ceiling tile - smal lholes with small fissures	**None Detected**	**40% Cellulose** **40% Fiber Glass**	**10% Perlite** **10% Other**	White, Gray Fibrous Homogeneous
1307890PLM_10					Ashed
3236-ELMES-11	2'x2' drop in ceiling tile - smal lholes with small fissures	**None Detected**	**40% Cellulose** **40% Fiber Glass**	**10% Perlite** **10% Other**	White, Gray Fibrous Homogeneous
1307890PLM_11					Ashed
3236-ELMES-12	2'x2' drop in ceiling tile - smal lholes with small fissures	**None Detected**	**40% Cellulose** **40% Fiber Glass**	**10% Perlite** **10% Other**	White, Gray Fibrous Homogeneous
1307890PLM_12					Ashed
3236-ELMES-13	Cove base mastic - tan with brown	**None Detected**		**100% Other**	Tan Non Fibrous Homogeneous
1307890PLM_13					Dissolved

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020

NVLAP Lab Code: 200664-0

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Project: 3236- ELMES

Lab Order ID: 1307890
Analysis ID: 1307890_PLM
Date Received: 4/29/2013
Date Reported: 5/3/2013

Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
3236-ELMES-14	Cove base mastic - tan with brown	None Detected		100% Other	Tan Non Fibrous Homogeneous
1307890PLM_14					Dissolved
3236-ELMES-15	Cove base mastic - tan with brown	None Detected		100% Other	Tan Non Fibrous Homogeneous
1307890PLM_15					Dissolved
3236-ELMES-16	Drywall and joint compound	None Detected	15% Cellulose	85% Other	Gray, White Non Fibrous Homogeneous
1307890PLM_16	*drywall: none detect; joint compnd: none detect*				Crushed
3236-ELMES-17	Drywall and joint compound	None Detected	15% Cellulose	85% Other	Gray, White Non Fibrous Homogeneous
1307890PLM_17	*drywall: none detect; joint compnd: none detect*				Crushed
3236-ELMES-18	Drywall and joint compound	None Detected	15% Cellulose	85% Other	White, Gray Non Fibrous Homogeneous
1307890PLM_18	*drywall: none detect; joint compnd: none detect*				Crushed
3236-ELMES-19 - A	12"x12" white floor tile with dark gray and blue specks with yellow mastic	None Detected		100% Other	White, Grayish Non Fibrous Homogeneous
1307890PLM_19	*tile*				Dissolved
3236-ELMES-19 - B	12"x12" white floor tile with dark gray and blue specks with yellow mastic	None Detected	5% Cellulose	95% Other	Yellow Non Fibrous Homogeneous
1307890PLM_61	*mastic*				Dissolved
3236-ELMES-20 - A	12"x12" white floor tile with dark gray and blue specks with yellow mastic	None Detected		100% Other	White, Grayish Non Fibrous Homogeneous
1307890PLM_20	*tile*				Dissolved

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020

NVLAP Lab Code: 200664-0

Customer: Compass Environmental
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Attn: Pam Hogue

Project: 3236- ELMES

Lab Order ID: 1307890
Analysis ID: 1307890_PLM
Date Received: 4/29/2013
Date Reported: 5/3/2013

Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
3236-ELMES-20 - B	12"x12" white floor tile with dark gray and blue specks with yellow mastic	None Detected		100% Other	Yellow Non Fibrous Homogeneous
1307890PLM_62	*mastic*				Dissolved
3236-ELMES-21 - A	12"x12" white floor tile with dark gray and blue specks with yellow mastic	None Detected		100% Other	White, Grayish Non Fibrous Homogeneous
1307890PLM_21	*tile*				Dissolved
3236-ELMES-21 - B	12"x12" white floor tile with dark gray and blue specks with yellow mastic	None Detected	5% Cellulose	95% Other	Yellow Non Fibrous Homogeneous
1307890PLM_63	*mastic*				Dissolved
3236-ELMES-22	Fire stop - red	None Detected	5% Fiber Glass	95% Other	Red Non Fibrous Homogeneous
1307890PLM_22					Dissolved
3236-ELMES-23	Fire stop - red	None Detected	5% Fiber Glass	95% Other	Red Non Fibrous Homogeneous
1307890PLM_23					Dissolved
3236-ELMES-24	Sink mastic - black	5% Chrysotile		95% Other	Black Non Fibrous Homogeneous
1307890PLM_24					Dissolved
3236-ELMES-25 - A	1986 Building - 12"x12" off white floor tile with gray and tan specks with yellow mastic	None Detected		100% Other	White, Grayish Non Fibrous Homogeneous
1307890PLM_25	*tile*				Dissolved
3236-ELMES-25 - B	1986 Building - 12"x12" off white floor tile with gray and tan specks with yellow mastic	None Detected	3% Cellulose	97% Other	Yellow, Gray Non Fibrous Heterogeneous
1307890PLM_64	*mastic w/leveling*				Dissolved

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020

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Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
3236-ELMES-26 - A	1986 Building - 12"x12" off white floor tile with gray and tan specks with yellow mastic	None Detected		100% Other	Beige Non Fibrous Homogeneous
1307890PLM_26	*tile*				Dissolved
3236-ELMES-26 - B	1986 Building - 12"x12" off white floor tile with gray and tan specks with yellow mastic	None Detected	5% Cellulose	95% Other	Yellow, Gray Non Fibrous Heterogeneous
1307890PLM_65	*mastic w/leveling*				Dissolved
3236-ELMES-27	1986 Building - Cove base mastic - brown	None Detected	2% Cellulose	98% Other	Yellow Non Fibrous Homogeneous
1307890PLM_27					Dissolved
3236-ELMES-28	1986 Building - Cove base mastic - brown	None Detected		100% Other	Yellow Non Fibrous Homogeneous
1307890PLM_28					Dissolved
3236-ELMES-29	1986 Building - Drywall and joint compound	None Detected	15% Cellulose	85% Other	Gray, White Non Fibrous Heterogeneous
1307890PLM_29	*drywall: none detect; joint compnd: none detect*				Crushed
3236-ELMES-30	1986 Building - Drywall and joint compound	None Detected	15% Cellulose	85% Other	Gray, White Non Fibrous Heterogeneous
1307890PLM_30	*drywall: none detect; joint compnd: none detect*				Crushed
3236-ELMES-31	1986 Building - Drywall and joint compound	None Detected	15% Cellulose	85% Other	Gray, White Non Fibrous Heterogeneous
1307890PLM_31	*drywall: none detect; joint compnd: none detect*				Crushed
3236-ELMES-32	1986 Building - White mastic on fiberglass	None Detected	5% Cellulose	95% Other	White Non Fibrous Homogeneous
1307890PLM_32					Dissolved

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Project: 3236- ELMES

Lab Order ID: 1307890
Analysis ID: 1307890_PLM
Date Received: 4/29/2013
Date Reported: 5/3/2013

Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
3236-ELMES-33 / *1307890PLM_33*	1986 Building - White mastic on fiberglass	None Detected	5% Cellulose	95% Other	White, Non Fibrous, Homogeneous / Dissolved
3236-ELMES-34 / *1307890PLM_34*	1986 Building - 2'x2' drop in ceiling tile - small holes (many) with small fissures	None Detected	40% Cellulose 40% Fiber Glass	10% Perlite 10% Other	White, Gray, Fibrous, Homogeneous / Ashed
3236-ELMES-35 / *1307890PLM_35*	1986 Building - 2'x2' drop in ceiling tile - small holes (many) with small fissures	None Detected	40% Cellulose 40% Fiber Glass	10% Perlite 10% Other	White, Gray, Fibrous, Homogeneous / Ashed
3236-ELMES-36 / *1307890PLM_36*	2'x4' drop in ceiling tile - white, smooth - drywall type panels	None Detected	10% Cellulose 5% Fiber Glass	85% Other	Gray, Non Fibrous, Homogeneous / Crushed
3236-ELMES-37 / *1307890PLM_37*	2'x4' drop in ceiling tile - white, smooth - drywall type panels	None Detected	10% Cellulose 5% Fiber Glass	85% Other	Gray, Non Fibrous, Homogeneous / Crushed
3236-ELMES-38 / *1307890PLM_38*	Drywall and joint compound *drywall: none detect; joint compnd: none detect*	None Detected	15% Cellulose	85% Other	Gray, White, Non Fibrous, Heterogeneous / Crushed
3236-ELMES-39 / *1307890PLM_39*	Drywall and joint compound *drywall: none detect; joint compnd: none detect*	None Detected	15% Cellulose	85% Other	Gray, White, Non Fibrous, Heterogeneous / Crushed
3236-ELMES-40 / *1307890PLM_40*	Mechanical room - Drywall and joint compound (ceiling) *drywall: none detect; joint compnd: none detect*	None Detected	15% Cellulose	85% Other	Gray, White, Non Fibrous, Heterogeneous / Crushed

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020

NVLAP Lab Code: 200664-0

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Analysis ID: 1307890_PLM
Date Received: 4/29/2013
Date Reported: 5/3/2013

Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
3236-ELMES-41	Mechanical room - Drywall and joint compound (ceiling)	None Detected	10% Cellulose 5% Fiber Glass	85% Other	Gray Non Fibrous Homogeneous
1307890PLM_41					Crushed
3236-ELMES-42	Mechanical room - Drywall and joint compound (ceiling)	None Detected	10% Cellulose 5% Fiber Glass	85% Other	Gray Non Fibrous Homogeneous
1307890PLM_42					Crushed
3236-ELMES-43	Gym - Drywall and joint compound	None Detected	15% Cellulose	85% Other	Gray, White Non Fibrous Heterogeneous
1307890PLM_43	*drywall: none detect; joint compnd: none detect*				Crushed
3236-ELMES-44	Gym - Drywall and joint compound	None Detected	15% Cellulose	85% Other	Gray, White Non Fibrous Heterogeneous
1307890PLM_44	*drywall: none detect; joint compnd: none detect*				Crushed
3236-ELMES-45	Gym - Drywall and joint compound	None Detected	15% Cellulose	85% Other	Gray, White Non Fibrous Heterogeneous
1307890PLM_45	*drywall: none detect; joint compnd: none detect*				Crushed
3236-ELMES-46	Gym - Fire stop - red	None Detected	5% Fiber Glass	95% Other	Red Non Fibrous Homogeneous
1307890PLM_46					Dissolved
3236-ELMES-47	Gym - Fire stop - red	None Detected	5% Fiber Glass	95% Other	Red Non Fibrous Homogeneous
1307890PLM_47					Dissolved
3236-ELMES-48 - A	Gym - 12"x12" white floor tile with dark gray and blue specks with yellow mastic	None Detected		100% Other	White, Grayish Non Fibrous Homogeneous
1307890PLM_48	*tile*				Dissolved

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EPA Method: 600/R-93/116 and 600/M4-82-020

NVLAP Lab Code: 200664-0

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Analysis ID: 1307890_PLM
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Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
3236-ELMES-48 - B	Gym - 12"x12" white floor tile with dark gray and blue specks with yellow mastic	None Detected	5% Cellulose	95% Other	Yellow Non Fibrous Homogeneous
1307890PLM_66	*mastic*				Dissolved
3236-ELMES-49 - A	Gym - 12"x12" white floor tile with dark gray and blue specks with yellow mastic	None Detected		100% Other	White, Grayish Non Fibrous Homogeneous
1307890PLM_49	*tile*				Dissolved
3236-ELMES-49 - B	Gym - 12"x12" white floor tile with dark gray and blue specks with yellow mastic	None Detected		100% Other	Yellow Non Fibrous Homogeneous
1307890PLM_67	*mastic*				Dissolved
3236-ELMES-50	Gym - 2'x2' drop in ceiling tile - small holes with small fissures	None Detected	40% Cellulose 40% Fiber Glass	10% Perlite 10% Other	White, Gray Fibrous Homogeneous
1307890PLM_50					Ashed
3236-ELMES-51	Gym - 2'x2' drop in ceiling tile - small holes with small fissures	None Detected	40% Cellulose 40% Fiber Glass	10% Perlite 10% Other	White, Gray Fibrous Homogeneous
1307890PLM_51					Ashed
3236-ELMES-52	Gym - White mastic on fiberglass pipe insulation	None Detected	5% Cellulose	95% Other	White Non Fibrous Homogeneous
1307890PLM_52					Dissolved
3236-ELMES-53	Gym - White mastic on fiberglass pipe insulation	None Detected	5% Cellulose	95% Other	White Non Fibrous Homogeneous
1307890PLM_53					Dissolved
3236-ELMES-54	Gym - Cove base mastic - tan	None Detected		100% Other	Tan Non Fibrous Homogeneous
1307890PLM_54					Dissolved

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommended that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Estimated MDL is 0.1%.

Bethany Nichols (69)

Analyst

Approved Signatory

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020

NVLAP Lab Code: 200664-0

Customer: Compass Environmental
1751 McCollum Pkwy
Kennasaw GA 30144-5908

Attn: Pam Hogue

Project: 3236- ELMES

Lab Order ID: 1307890
Analysis ID: 1307890_PLM
Date Received: 4/29/2013
Date Reported: 5/3/2013

Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
3236-ELMES-55	Gym - Cove base mastic - tan	None Detected		100% Other	Tan Non Fibrous Homogeneous
1307890PLM_55					Dissolved
3236-ELMES-56 - A	12'x12' cream floor tile with tan and gray specks with yellow mastic	None Detected		100% Other	White, Grayish Non Fibrous Homogeneous
1307890PLM_56	*tile*				Dissolved
3236-ELMES-56 - B	12'x12' cream floor tile with tan and gray specks with yellow mastic	None Detected	5% Cellulose	95% Other	Yellow Non Fibrous Homogeneous
1307890PLM_68	*mastic*				Dissolved
3236-ELMES-57 - A	12"x12" cream floor tile with tan and gray specks with yellow mastic	None Detected		100% Other	White, Grayish Non Fibrous Homogeneous
1307890PLM_57	*tile*				Dissolved
3236-ELMES-57 - B	12"x12" cream floor tile with tan and gray specks with yellow mastic	None Detected	5% Cellulose	95% Other	Yellow Non Fibrous Homogeneous
1307890PLM_69	*mastic*				Dissolved

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommended that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Estimated MDL is 0.1%.

Bethany Nichols (69)

Analyst

Approved Signatory

1307890

Version 1-15-2012

Client:	Compass Environmental Inc.
Contact:	Pam Hogue
Address:	1751 McCollum Parkway NW, Kennesaw, GA 30144
Phone:	770-815-1640
Fax:	770-423-7402
Email:	phhogue@gmail.com
Project:	3236-ELMES
Client Notes:	
P.O. #.	
Date Submitted:	4/25/2013 via FedEx
Analysis:	PLM EPA 600/R-93/116
TurnAroundTime:	5 day

Instructions:
Use Column "B" for your contact info

To See an Example Click the bottom Example Tab.

Enter samples between "<<" and ">>"
Begin Samples with a "<< "above the first sample and end with a ">>" below the last sample.
Only Enter your data on the first sheet "Sheet1"

Note: Data 1 and Data 2 are optional fields that do not show up on the official report, however they will be included in the electronic data returned to you to facilitate your reintegration of the report data.

Scientific Analytical Institute

4604 Dundas Drive
Greensboro, NC 27407
Phone: 336.292.3888
Fax: 336.292.3313
Email: lab@sailab.com

Sample Number	Data 1	Sample Description	Data 2
<<			
3236-ELMES-01		2'x4' drop in ceiling tile - small holes with deep fissures (small)	
3236-ELMES-02		2'x4' drop in ceiling tile - small holes with deep fissures (small)	
3236-ELMES-03		2'x4' drop in ceiling tile - small and medium holes	
3236-ELMES-04		2'x4' drop in ceiling tile - small and medium holes	
3236-ELMES-05		12"x12" tan floor tile with dark brown and cream streaks with black mastic	
3236-ELMES-06		12"x12" tan floor tile with dark brown and cream streaks with black mastic	
3236-ELMES-07		12"x12" tan floor tile with dark brown and cream streaks with black mastic	
3236-ELMES-08		Sink mastic - black	
3236-ELMES-09		Sink mastic - black	
3236-ELMES-10		2'x2' drop in ceiling tile - smal lholes with small fissures	

Accepted ☑

Rejected ☐

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3236-ELMES-11	2'x2' drop in ceiling tile - smal lholes with small fissures
3236-ELMES-12	2'x2' drop in ceiling tile - smal lholes with small fissures
3236-ELMES-13	Cove base mastic - tan with brown
3236-ELMES-14	Cove base mastic - tan with brown
3236-ELMES-15	Cove base mastic - tan with brown
3236-ELMES-16	Drywall and joint compound
3236-ELMES-17	Drywall and joint compound
3236-ELMES-18	Drywall and joint compound
3236-ELMES-19	12"x12" white floor tile with dark gray and blue specks with yellow mastic
3236-ELMES-20	12"x12" white floor tile with dark gray and blue specks with yellow mastic
3236-ELMES-21	12"x12" white floor tile with dark gray and blue specks with yellow mastic
3236-ELMES-22	Fire stop - red
3236-ELMES-23	Fire stop - red
3236-ELMES-24	Sink mastic - black
3236-ELMES-25	1986 Building - 12"x12" off white floor tile with gray and tan specks with yellow mastic
3236-ELMES-26	1986 Building - 12"x12" off white floor tile with gray and tan specks with yellow mastic
3236-ELMES-27	1986 Building - Cove base mastic - brown
3236-ELMES-28	1986 Building - Cove base mastic - brown
3236-ELMES-29	1986 Building - Drywall and joint compound
3236-ELMES-30	1986 Building - Drywall and joint compound
3236-ELMES-31	1986 Building - Drywall and joint compound
3236-ELMES-32	1986 Building - White mastic on fiberglass
3236-ELMES-33	1986 Building - White mastic on fiberglass
3236-ELMES-34	1986 Building - 2'x2' drop in ceiling tile - small holes (many) with small fissures
3236-ELMES-35	1986 Building - 2'x2' drop in ceiling tile - small holes (many) with small fissures
3236-ELMES-36	2'x4' drop in ceiling tile - white, smooth - drywall type panels

1307890

3236-ELMES-37	2'x4' drop in ceiling tile - white, smooth - drywall type panels
3236-ELMES-38	Drywall and joint compound
3236-ELMES-39	Drywall and joint compound
3236-ELMES-40	Mechanical room - Drywall and joint compound (ceiling)
3236-ELMES-41	Mechanical room - Drywall and joint compound (ceiling)
3236-ELMES-42	Mechanical room - Drywall and joint compound (ceiling)
3236-ELMES-43	Gym - Drywall and joint compound
3236-ELMES-44	Gym - Drywall and joint compound
3236-ELMES-45	Gym - Drywall and joint compound
3236-ELMES-46	Gym - Fire stop - red
3236-ELMES-47	Gym - Fire stop - red
3236-ELMES-48	Gym - 12"x12" white floor tile with dark gray and blue specks with yellow mastic
3236-ELMES-49	Gym - 12"x12" white floor tile with dark gray and blue specks with yellow mastic
3236-ELMES-50	Gym - 2'x2' drop in ceiling tile - small holes with small fissures
3236-ELMES-51	Gym - 2'x2' drop in ceiling tile - small holes with small fissures

Bulk Asbestos Analysis
by Transmission Electron Microscopy

Semi-Quantitative

Chatfield SOP 1988-02 Rev. 1

Client: Compass Environmental
1751 McCollum Pkwy
Kennasaw, GA 30144-5908

Attn: Pam Hogue

Lab Order ID: 1308416
Analysis ID: 1308416_TBS
Date Received: 5/7/2013
Date Reported: 5/11/2013

Project: 3236 ELMES

Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Organic *(Wt. %)*	Acid Sol. *(Wt. %)*	Asbestos *(Wt. %)*	*LCL-UCL (Wt. %)*
3236-ELMES-19A / *1308416TBS_1*	12"x12" white floor tile with dark gray and blue specks with yellow mastic	18%	69%	None Detected	
3236-ELMES-25A / *1308416TBS_2*	1986 building- 12"x12" off white floor tile with gray and tan specks with yellow mastic	18%	76%	None Detected	
3236-ELMES-48A / *1308416TBS_3*	Gym-12"x12" white floor tile with dark gray and blue specks with yellow mastic	15%	83%	None Detected	
3236-ELMES-56A / *1308416TBS_4*	12"x12" Cream floor tile with tan and gray specks with yellow mastic	14%	84%	None Detected	

Matt Thomas (4)

Analyst

Approved Signatory

Scientific Analytical Institute 1308416

From: Pam Hogue [phhogue@gmail.com]
Sent: Monday, May 06, 2013 6:44 PM
To: Scientific Analytical Institute
Subject: Re: SAI: 1307890_PLM Results (3236- ELMES)

Lab -

Thank you for the PLM results. I need to request additional TEM Chatfield method analysis on the following samples:

3236-ELMES-19A
3236-ELMES-25A
3236-ELMES-48A
3236-ELMES-56A

4-day TAT, please.

If you have any questions, please feel free to email or call.

Thank you.

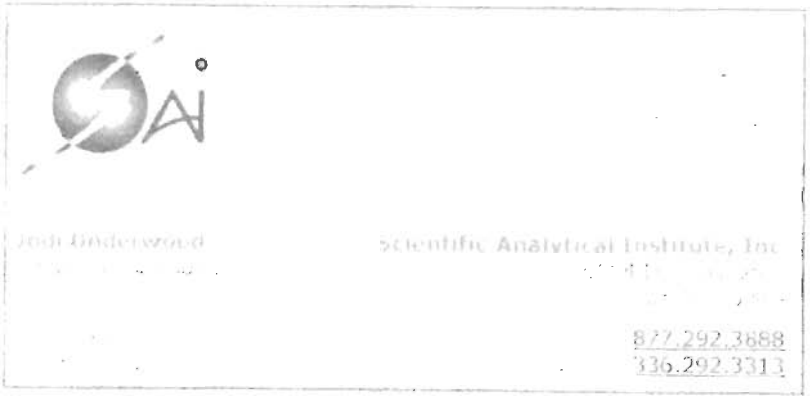
Pam

On Fri, May 3, 2013 at 4:43 PM, Scientific Analytical Institute <lab@sailab.com> wrote:

Pam,

Attached is your analytical report for SAI Lab Order ID 1307890_PLM (3236- ELMES). If you have any questions, please feel free to give us a call.

Thank you,



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1307890

Client:	Compass Environmental Inc.	***Instructions:***	*Version 1-15-2012*
Contact:	Pam Hogue	*Use Column "B" for your contact info*	
Address:	1751 McCollum Parkway NW, Kennesaw, GA 30144		
Phone:	770-815-1640	*To See an Example Click the bottom Example Tab.*	
Fax:	770-423-7402		
Email:	phogue@gmail.com	***Enter samples between "<<" and ">>"***	
Project:	3236-ELMES	***Begin Samples with a "<< "above the first sample and end with a ">>" below the last sample.***	
Client Notes:		*Only Enter your data on the first sheet "Sheet1"*	
P.O. #.			
Date Submitted:	4/25/2013 via FedEx	*Note: Data 1 and Data 2 are optional fields that do not show up on the official report, however they will be included in the electronic data returned to you to facilitate your reintegration of the report data*	
Analysis:	PLM EPA 600/R-93/116		
TurnAroundTime:	5 day		

Scientific Analytical Institute

4604 Dundas Drive
Greensboro, NC 27407
Phone: 336.292.3888
Fax: 336.292.3313
Email: lab@sailab.com

Sample Number	Data 1	Sample Description	Data 2
<<			
3236-ELMES-01		2'x4' drop in ceiling tile - small holes with deep fissures (small)	
3236-ELMES-02		2'x4' drop in ceiling tile - small holes with deep fissures (small)	
3236-ELMES-03		2'x4' drop in ceiling tile - small and medium holes	
3236-ELMES-04		2'x4' drop in ceiling tile - small and medium holes	
3236-ELMES-05		12"x12" tan floor tile with dark brown and cream streaks with black mastic	
3236-ELMES-06		12"x12" tan floor tile with dark brown and cream streaks with black mastic	
3236-ELMES-07		12"x12" tan floor tile with dark brown and cream streaks with black mastic	
3236-ELMES-08		Sink mastic - black	
3236-ELMES-09		Sink mastic - black	
3236-ELMES-10		2'x2' drop in ceiling tile - smal lholes with small fissures	

Accepted ☑

Rejected ☐

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3236-ELMES-11	2'x2' drop in ceiling tile - smal lholes with small fissures
3236-ELMES-12	2'x2' drop in ceiling tile - smal lholes with small fissures
3236-ELMES-13	Cove base mastic - tan with brown
3236-ELMES-14	Cove base mastic - tan with brown
3236-ELMES-15	Cove base mastic - tan with brown
3236-ELMES-16	Drywall and joint compound
3236-ELMES-17	Drywall and joint compound
3236-ELMES-18	Drywall and joint compound
3236-ELMES-19	12"x12" white floor tile with dark gray and blue specks with yellow mastic
3236-ELMES-20	12"x12" white floor tile with dark gray and blue specks with yellow mastic
3236-ELMES-21	12"x12" white floor tile with dark gray and blue specks with yellow mastic
3236-ELMES-22	Fire stop - red
3236-ELMES-23	Fire stop - red
3236-ELMES-24	Sink mastic - black
3236-ELMES-25	1986 Building - 12"x12" off white floor tile with gray and tan specks with yellow mastic
3236-ELMES-26	1986 Building - 12"x12" off white floor tile with gray and tan specks with yellow mastic
3236-ELMES-27	1986 Building - Cove base mastic - brown
3236-ELMES-28	1986 Building - Cove base mastic - brown
3236-ELMES-29	1986 Building - Drywall and joint compound
3236-ELMES-30	1986 Building - Drywall and joint compound
3236-ELMES-31	1986 Building - Drywall and joint compound
3236-ELMES-32	1986 Building - White mastic on fiberglass
3236-ELMES-33	1986 Building - White mastic on fiberglass
3236-ELMES-34	1986 Building - 2'x2' drop in ceiling tile - small holes (many) with small fissures
3236-ELMES-35	1986 Building - 2'x2' drop in ceiling tile - small holes (many) with small fissures
3236-ELMES-36	2'x4' drop in ceiling tile - white, smooth - drywall type panels

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3236-ELMES-37	2'x4' drop in ceiling tile - white, smooth - drywall type panels
3236-ELMES-38	Drywall and joint compound
3236-ELMES-39	Drywall and joint compound
3236-ELMES-40	Mechanical room - Drywall and joint compound (ceiling)
3236-ELMES-41	Mechanical room - Drywall and joint compound (ceiling)
3236-ELMES-42	Mechanical room - Drywall and joint compound (ceiling)
3236-ELMES-43	Gym - Drywall and joint compound
3236-ELMES-44	Gym - Drywall and joint compound
3236-ELMES-45	Gym - Drywall and joint compound
3236-ELMES-46	Gym - Fire stop - red
3236-ELMES-47	Gym - Fire stop - red
3236-ELMES-48	Gym - 12"x12" white floor tile with dark gray and blue specks with yellow mastic
3236-ELMES-49	Gym - 12"x12" white floor tile with dark gray and blue specks with yellow mastic
3236-ELMES-50	Gym - 2'x2' drop in ceiling tile - small holes with small fissures
3236-ELMES-51	Gym - 2'x2' drop in ceiling tile - small holes with small fissures

1307891

ATLANTA
Corporate Headquarters
3945 Lakefield Court
Suwanee, GA 30024
(770) 866-3200 FAX (770) 866-3259

June 04, 2013

Pam Hogue
Compass Environmental, Inc.
1751 McCollum Parkway
Kennesaw, GA 30144

RE: PLM Sample Analysis

#3236-ELMES

Dear Ms Hogue:

Enclosed is a summary and the analysis of the 3 samples which were delivered to MAS, LLC. on April 25, 2013. It was requested that we analyze these samples using polarized light microscopy (PLM) to determine the percentage of asbestos.

The samples were analyzed in accordance with EPA document 600/R-93/116, 'Method for the Determination of Asbestos in Bulk Building Materials' and/or EPA document 600/M4-82-020, 'Interim Method for the Determination of Asbestos in Bulk Insulation Samples'. These analysis results relate only to the specific items analyzed. Any partial reproduction of the Bulk Analysis Report may not be made without the consent of MAS, LLC. This report may not be used to imply product endorsement or certification by MAS, LLC., the National Voluntary Laboratory Accreditation Program, EPA, or the U.S. Government.

Materials Analytical Services appreciates this opportunity to have been of service to you. We look forward to working with you on future projects.

Sincerely,

William B. Egeland, P.G.

Enc. M57250

MAS, LLC
3945 LAKEFIELD COURT
SUWANEE, GA 30024
(770) 866-3200

Client: Compass Environmental, Inc.
Job Name: #3236-ELMES
Job Number:
Reviewer: Will B. Eyhal

Summary of Results of analysis by Polarized Light Microscopy (PLM)

CLIENT #	MAS ID # - SPL #	COMMENTS	MATERIAL	ANALYSIS
ELMES 09QC	M57250- 001	X = Materials detected, sample ashed.	sink mastic-black	3% Chrysotile
ELMES 29QC	M57250- 002	X = Materials detected.	drywall and joint compound	NO ASBESTOS OBSERVED
ELMES 40QC	M57250- 003	X = Materials detected.	drywall and joint compound	NO ASBESTOS OBSERVED

The samples were analyzed in accordance with EPA document 600/R-93/116, "Method for the Determination of Asbestos in Bulk Building Materials" and/or EPA document 600/M4-82-020, "Interim Method for the Determination of Asbestos in Bulk Insulation Samples". The method detection limit is 1% unless otherwise stated. This report relates only to items tested as received, and may not be used to claim endorsement or certification by MAS, LLC, the National Voluntary Laboratory Accreditation Program, EPA, or the U.S. Government. This report may not be reproduced except in full without the approval of MAS, LLC, (NVLAP Lab Code 101235-0).

NVLAP LAB CODE 101235-0

M57250

Bulk Sample Chain-of-Custody

MAS

Report to: Tom Hogue
Client: Compass Environmental
Address: 1751 McCollum Parkway
Kennesaw, GA 30144

Invoice to: All Samples Start with (Same)

Email 1: thhogue@gmail.com
Email 2:
Email 3:
Project No.: #3236 - ELMES
Location:

Materials Analytical Services, 3945 Lakefield Ct., Suwanee, Georgia 30024 (770)866-3200

#3236-

Sample #	Sample Date	Description	Sample Type	Comments
ELMES 09QC	4/24/13	Sink mastic -	black	
29QC	4/24/13	1984 Building -	Drywall and joint compound	
40QC	4/24/13	Mechanical Room -	Drywall and joint compound	

Sampled by: Tom Hogue
Turnaround Time: ✓ standard or ____ rush

Relinquished by: [signature]
Received: Seas
Date: 4/25/13

MAS, LLC
3945 LAKEFIELD COURT
SUWANEE, GA 30024
(770) 866-3200

Client: Compass Environmental, Inc.
Job Name: #3236-ELMES
Job Number:
NVLAP Lab Code: 101235-0 **Client Sample Containers:** 3
Total Layers Analyzed: 3

Reviewer: Will B. Egeland

Summary of Results of analysis by Polarized Light Microscopy (PLM)

CLIENT # MATERIAL	MAS ID	% of SAMPLE	ANALYST	DATE	ANALYSIS	% of LAYER
ELMES 09QC						
sink mastic-black						
	M57250 - 001	100	W.B. Egeland	5/6/2013		
					Chrysotile	**3**
					Binder	X
NOTES X = Materials detected, sample ashed.						
ELMES 29QC						
drywall and joint compound						
	M57250 - 002	100	W.B. Egeland	5/6/2013	**NO ASBESTOS OBSERVED**	
					Cellulose -ribbony	15
					Fib glass -isotropic	2
						X
NOTES drywall and joint compound X = Materials detected.						
ELMES 40QC						
drywall and joint compound						
	M57250 - 003	100	W.B. Egeland	5/6/2013	**NO ASBESTOS OBSERVED**	
					Fib glass -isotropic	3
						X
NOTES drywall and joint compound X = Materials detected.						

The samples were analyzed in accordance with EPA document 600/R-93/116, "Method for the Determination of Asbestos in Bulk Building Materials" and/or EPA document 600/M4-82-020, "Interim Method for the Determination of Asbestos in Bulk Insulation Samples". The method detection limit is 1% unless otherwise stated. This report relates only to items tested as received, and may not be used to claim endorsement or certification by MAS, LLC, the National Voluntary Laboratory Accreditation Program, EPA, or the U.S. Government. This report may not be reproduced except in full without the approval of MAS, LLC, (NVLAP Lab Code 101235-0).

APPENDIX F

INSPECTOR, MANAGEMENT PLANNER AND LABORATORY ACCREDITATIONS

The Environmental Institute

Pamela H. Hogue

Social Security Number - XXX-XX-9960
Compass Environmental Inc. - 1751 McCollum Parkway, NW - Kennesaw, Georgia 30144

Has completed coursework and satisfactorily passed an examination that meets all criteria required for EPA/AHERA/ASHARA (TSCA Title II) Approved Reaccreditation

Asbestos in Buildings: Inspector & Management Planner Refresher

December 18, 2012
Course Date

13579
Certificate Number

December 18,.2012
Examination Date

December 17, 2013
Expiration Date

David W. Hogue - Principal Instructor / Training Manager

Rachel G. McCain - Exam Administrator

(Approved by the ABIH Certification Maintenance Committee for 1 CM point - Approval #11-583)
(Florida Provider Registration #FL49-0001342 - Inspector Ref. Course #0002805 - Mgmt. Plan Ref. Course #0002806)
TEI - 1841 West Oak Parkway, Suite F - Marietta, Georgia 30062 - (770) 427-3600 - www.tei-atl.com

NVLAP® National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

MAS, LLC
3945 Lakefield Court
Suwanee, GA 30024
Mr. William Longo, PhD.
Phone: 770-866-3202 Fax: 770-866-3259
E-Mail: wlongo@mastest.com
URL: http://www.mastest.com

BULK ASBESTOS FIBER ANALYSIS (PLM)

NVLAP LAB CODE 101235-0

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

2012-07-01 through 2013-06-30
Effective dates

For the National Institute of Standards and Technology

United States Department of Commerce
National Institute of Standards and Technology

NVLAP®

Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 101235-0

MAS, LLC
Suwanee, GA

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

AIRBORNE ASBESTOS FIBER ANALYSIS

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2012-07-01 through 2013-06-30

Effective dates

DEPARTMENT OF COMMERCE * UNITED STATES OF AMERICA *

For the National Institute of Standards and Technology

NVLAP® National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Scientific Analytical Institute
4604 Dundas Drive
Greensboro, NC 27407
Mr. Nathaniel Durham
Phone: 336-292-3888 Fax: 336-292-3313
E-Mail: ndurham@sailab.com
URL: http://www.sailab.com

BULK ASBESTOS FIBER ANALYSIS (PLM)

NVLAP LAB CODE 200664-0

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

2013-01-01 through 2013-12-31
Effective dates

For the National Institute of Standards and Technology

United States Department of Commerce
National Institute of Standards and Technology

NVLAP®

Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 200664-0

Scientific Analytical Institute
Greensboro, NC

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

BULK ASBESTOS FIBER ANALYSIS

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2013-01-01 through 2013-12-31

Effective dates

DEPARTMENT OF COMMERCE * UNITED STATES OF AMERICA *

For the National Institute of Standards and Technology

APPENDIX G

ASBESTOS MANAGEMENT FORMS

Periodic Surveillance

Asbestos Exclusion Certification Form

Sample Annual Notification Letter(s)

Sample Short-Term Worker Notification Letter

Training Record for Maintenance and Custodial Staff

AHERA 6 Month Surveillance
Field Data Form

School Name:_____ **Building Identification:**_____

Surveillance Date:_____ **Inspector:**_____

Original Inspection/Assessment Data

Homogeneous Area (HA) Name/Number:_____

HA Description:_____

_____

Friable ? (check one): ☐ Yes ☐ No **Type of ACBM (check one):** ☐ TSI ☐ SM ☐ MISC

ACBM Description:_____

Quantity of Material:_____ ☐ Square Feet ☐ Linear Feet **(check one)**

ORIGINAL ASSESSMENT RATING (check one)

☐ **1 - Damaged/Significantly Damaged TSI**
☐ **3 - Significantly Damaged Surfacing ACM**
☐ **5 - ACBM with Potential for Damage**
☐ **7 - Other Remaining Friable ACBM**
☐ **2 - Damaged Surfacing ACM**
☐ **4 - Damaged/Sig. Damaged Misc. ACM**
☐ **6 - ACBM with Potential for Sig. Damage**
☐ **8 – All other non friable ACBM**

Reinspection/Assessment Data

Has abatement taken place since original/last inspection/assessment? (check one): ☐ Yes ☐ No

If yes, describe: _____

_____

If non-friable ACBM, has material become friable since original/last inspection/assessment ?(check one)
☐ Yes ☐ No

If yes, was material touched to determine friability? (check one) ☐ Yes ☐ No

Comments: _____

_____

_____

Inspector:_____ **Signature:**_____ **Date:**_____

ASBESTOS EXCLUSION CERTIFICATION FORM
(NEW CONSTRUCTION & ADDITIONS ONLY)

In compliance with AHERA Part 763 "Asbestos", Subpart E "Asbestos Containing Materials in Schools", Section 763.99 "Exclusions" paragraph (a) (7), I _____
(Architect)

of record for _____, _____
(Project Name) **(Substantial Completion Date)**

located in _____, _____,
(School System Name) **(State Project Number)**

certify that to the best of my knowledge no Asbestos Containing Building Material (ACBM) was specified as a building material in any construction document, nor was any ACBM building material installed in this project.

_____
(Architectural Firm)

_____
(Signature of Architect)

_____
(Date)

_____
(Georgia Architectural License Number)

_____
(Seal and Signature)

ANNUAL AHERA NOTIFICATION REQUIREMENTS TO: PARENTS/LEGAL GUARDIANS/TEACHERS/EMPOYEES/ORGANIZATIONS

This notification is being sent to you pursuant to the requirements of the Asbestos Hazard Emergency Response Act (AHERA) October 22, 1986; EPA Rule 40 CFR 763, Asbestos Containing Material in Schools, Subpart E, et seq. effective December 14, 1987. These regulations are defined in the United States Environmental Agencies Regulations. Specifically, 40 CFR §763.84(c) which requires that the local education agency (we) notify you at least once a year of asbestos inspections, response actions, and any post-response action activities, including periodic reinspections and surveillance activities that are planned or in progress at our campus.

We have documented through a thorough asbestos survey, conducted by an AHERA accredited asbestos inspector, where asbestos containing, suspect asbestos containing and/or assumed asbestos containing building materials are located on our campus. The Asbestos Management Plan documents plans for managing and maintaining the asbestos containing building materials in-place and/or plans for removal activities. The reports associated with the asbestos inspection, 3-year reinspections, periodic surveillances, and operations and maintenance recommendations are all documented in the Asbestos Management Plan.

The Asbestos Management Plan is available for your review in our office. Should you have any questions or desire further information, please contact me at (XXX) XXX-XXXX or come by my office.

Name of Designated Person: _____

_____

(Designated Person Signature)

DATE:: _____

ANNUAL NOTIFICATION

For new buildings built after October 12, 1988

Upon submission of its management plan to the state and at least once each school year, the local education agency (LEA) shall notify, in writing, parent, teacher, and employee organizations of the availability of management plans and shall include in the management plan a description of the steps taken to notify such organizations, and a dated copy of the notification. ---40CFR763.93(g)(4)

Suggested form for the required annual notification of parents, teachers, and employees regarding the availability of the AHERA management plan for school buildings built after October 1, 1988.

_____

Name of local education agency (LEA) (Owner or sponsor of the school]

_____

Name of school

_____

Address of school building(s) and any other specific designation to identify each separate building. Include city, county, and zip code.

_____

Date building(s) completed and ready for occupancy

REQUIRED NOTIFICATION OF PARENTS, TEACHERS, AND EMPLOYEES:

_____

Date (The notification must be dated.)

The federal Asbestos Hazard Emergency Response Act (AHERA) allows an exclusion from the required inspection for asbestos-containing building materials (ACBM) for new school buildings built after October 12, 1988, where: an architect or project engineer responsible for the construction of the new school building, or an accredited AHERA inspector signs a statement that no ACBM was specified as a building material in any construction document for the building, or, to the best of his or her knowledge no ACBM was used as a building material in the building. The LEA shall submit a copy of the signed statement to the state and shall include the statement in the management plan for that school.

This is to notify you that the required statement has been submitted to the state and a copy is on file in the school's management plan which is located in the school's administrative office and is available for public inspection upon reasonable notice.

(Copies of this dated notification shall be distributed to the organizations of parents, teachers, and employees; or in the absence of such organizations, notification shall be distributed to the individual parents, teachers, and employees.)

Distribution shall be by: _____

(Fill in method of distribution, such as mail, handout, local newspaper [attach dated copy.] Include a copy of this dated notification in the school's management plan.)

ANNUAL NOTIFICATION

For buildings with an AHERA asbestos-management plan in place.

Upon submission of its management plan to the state and at least once eac school year, the local education agency (LEA) shall notify, in writing parent, teacher, and employee organizations of the availability of managemen plans and shall include in the management plan a description of the step taken to notify such organizations, and a dated copy of the notification. ---40CFR763.93(g)(4)

The steps to inform others and a dated copy of notification should at least include the following:

Name of LEA _____

Name of school _____

Address _____

(Fill in or use letterhead.)

_____

_____

County _____

(Fill in if LEA has schools in more than one county.)

Date _____

(Fill in the date. The notification must be dated.)

REQUIRED ANNUAL NOTIFICATION OF PARENTS, TEACHERS, AND EMPLOYEES REGARDING THE AVAILABILITY OF MANAGEMENT PLANS

The management plan for asbestos-containing building materials (ACBM) required by the federal Asbestos Hazard Emergency Response Act (AHERA) has been performed for this facility. The management plan is on file at the school office and is available for public inspection upon reasonable notice. If desired, a copy of the plan may be obtained upon payment of a reasonable reproduction cost.

(Copies of this dated notification shall be distributed to the organizations of parents, teachers, and employees; or in the absence of such organizations, the notification shall be distributed to the individual parents, teachers, and employees. A copy shall also be placed in the school's management plan.)

Distribution shall be by: _____

(Fill in method of distribution, such as mail, handout printed in local paper [attach copy.] Include a copy of this dated notification in the management plan.)

NOTIFICATION TO SHORT-TERM WORKERS

This notification is presented to you pursuant to the requirements of the Asbestos Hazard Emergency Response Act (AHERA) October 22, 1986; EPA Rule 40 CFR 763, Asbestos Containing Material in Schools, Subpart E, et seq. effective December 14, 1987. These regulations are defined in the United States Environmental Agencies Regulations. Specifically, 40 CFR §763.84(d) requires that the local education agency (we) notify you that in the course of your work you may come in contact with asbestos or suspect asbestos in our school.

Before you began your work, please refer to the Asbestos Management Plan located in our administrative office. The Management Plan will give you the locations of the asbestos containing; suspect asbestos containing, and assumed asbestos containing building materials in our school. You can also contact our Designated Person, _____ at (XXX) XXX-XXXX.

Please complete the acknowledgement information below:

I hereby acknowledge that I have been informed of all known, suspect or assumed asbestos containing building materials present at (name of school).

Printed Name: _____ Date: _____

Signature: _____

Name of Company: _____

Services being performed: _____

_____

TRAINING RECORD FOR MAINTENANCE AND CUSTODIAL STAFF

Every member of the maintenance and custodial staff who works in a building that contains ACBM must receive awareness training of at least 2 hours whether or not they are required to work with ACBM. Maintenance and custodial staff who conduct any activities that will result in the disturbance of ACBM must receive an additional 14 hours of training (total 16 hours of training). A record of the aforementioned training is required to be included in the asbestos management plan under 40 CFR §§ 763.93(h) and 763.94(c) of the EPA Asbestos-Containing Materials in Schools regulation, 40 CFR Part Subpart E.

The following items should be included:

- Employee Name (Please Print)
- Job Title
- Course Name
- Training Agency
- Date
- Location of Training
- Number of Hours Completed

LEA NAME:_____ SCHOOL NAME:_____

(Number ___ of___, make copies as necessary)

AMP FORM 5 - TRAINING RECORD FOR MAINTENANCE AND CUSTODIAL STAFF

Every member of the maintenance and custodial staff who works in a building that contains ACBM must receive awareness training of at least 2 hours whether or not they are required to work with ACBM. Maintenance and custodial staff who conduct any activities that will result in the disturbance of ACBM must receive an additional 14 hours of training (total 16 hours of training). A record of the aforementioned training is required to be included in the AMP under 40 CFR §§ 763.93(h) and 763.94(c) of the EPA Asbestos-Containing Materials in Schools regulation, 40 CFR Part Subpart E.

Employee Name (Please Print)	Job Title	Course Name	Training Agency	Date	Location of Training	Number of Hours Completed

ATTACHMENT

- Copies of training certificates suggested, but not required by EPA

APPENDIX H

O&M PROCEDURES FOR ASBESTOS-CONTAINING MATERIALS (ACMs)

O&M PROCEDURES FOR ASBESTOS-CONTAINING MATERIALS (ACMs)

INITIAL AND ADDITIONAL CLEANING PROCEDURES

Each area where friable ACM, friable assumed ACM, damaged or significantly damaged thermal system insulation ACM is present shall be cleaned prior to any management actions other than O&M activities or repairs, unless an equivalent cleaning has been performed within the previous 6-month period.

Before any cleanup or O&M procedures are initiated, a physician must examine all persons conducting the cleanup to verify they can safely wear a respirator. In addition, respirators must be fit-tested. During cleanup and O&M procedures, the respirators will be worn at all times.

1. Friable Surfacing ACM Area Cleaning

The following equipment is required for conducting cleaning operations:

- HEPA filtered vacuum
- Steam carpet cleaner
- Large 6 mil plastic bags
- Cloths and mops
- Spray bottle
- Half and full face piece air-purifying respirators with dual replaceable P100 cartridges
- Protective clothing (Tyvek)

The following cleaning procedures must be conducted whenever asbestos-containing debris is discovered.

- If there is visible asbestos debris in the area, immediately put on a respirator and continue the cleaning procedures as described in this section.
- Spray with water any debris found near friable surfacing ACM and place the debris in labeled 6 mil plastic bags using a dustpan. Thoroughly rinse the dustpan with water in a utility sink. Immediately report the presence of debris to the AC. DO NOT SWEEP ASBESTOS DEBRIS WITHOUT THOROUGHLY WETTING IT FIRST.
- HEPA vacuum and steam clean all carpets.
- Wet mop all other floors and wipe all other horizontal surfaces with damp cloths.
- Dispose of all debris, filters, mop heads, and cloths in labeled 6 mil plastic bags in accordance with local regulations for disposal of asbestos waste.

All carpets in rooms containing ACM should be cleaned first with a HEPA filtered vacuum and then by a steam cleaner. All curtains and books exposed to the ACM should be HEPA vacuumed. Vacuum bags and filters shall be placed in sealed 6 mil plastic bags for disposal.

Wet mop smooth surface floors in the rooms where ACM is located. All shelves and other horizontal surfaces should be wiped with damp cloths. Use a mist spray bottle to keep the cloths damp. Cloths and mop heads shall be placed in sealed 6 mil plastic bags for disposal.

2. Thermal System Insulation Cleaning

The following equipment is required for conducting cleaning operations:

- HEPA filtered vacuum
- Steam carpet cleaner
- Large 6 mil plastic bags
- Cloths and mops
- Spray bottle
- Half and full face piece air-purifying respirators with dual replaceable P100 cartridges
- Protective clothing

The following cleaning procedures must be conducted whenever asbestos-containing debris is discovered.

- All smooth surface floors should be HEPA vacuumed then wet mopped in the rooms where the pipe or boiler/tank insulation is located.
- HEPA vacuum and steam clean all carpets contaminated with asbestos-containing material.
- All shelves and other horizontal surfaces should be wiped with damp cloths. Use a mist spray bottle to keep the cloths damp.
- Air filters that are potentially contaminated by ACM fibers should be sprayed with water, removed carefully, and placed in sealed 6 mil plastic bags for disposal.
- Air handling equipment, including ducts and room areas supplied by the potentially contaminated system, must be thoroughly cleaned using HEPA vacuums prior to filter replacement.
- Cloths, mop heads, and filters should be discarded in sealed, labeled 6 mil plastic bags according to local regulations for removal and disposal of asbestos waste.

3. Cleaning Procedures for Miscellaneous ACM Areas

Most ACM that is neither surfacing material nor thermal system insulation is non-friable. Items such as resilient asbestos floor tiles, ceiling tiles, transite pipes, and gaskets are examples of materials that are usually considered to be non-friable. Specialized cleaning procedures are not necessary for these materials unless they are significantly damaged. If these materials are damaged, the cleaning procedures described for thermal system insulation should be implemented until repair of the material has been completed.

APPENDIX I

INSPECTION FORMS:

INITIAL (COMPLETED)

3 YEAR/6 MONTH PERIODIC SURVEILLANCE (TO BE PLACED HERE UPON COMPLETION)

AHERA Inspection & Assessment
Field Data Form

School Name: E.L. Miller ES **Building Identification:** _____

Inspection Date: April 24, 2013 **Inspector:** Pamela H. Hogue

Original Inspection/Assessment Data

Homogeneous Area (HA) Name/Number: _____

HA Description: 1981 Building - cafeteria classrooms offices

Friable ? (check one): ☐ Yes ☒ ~~No~~ **Type of ACBM (check one):** ☐ TSI ☐ SM ☒ ~~MISC~~

ACBM Description: 12"x12" tan floor tile w/ dark brown & cream streaks w/ black mastic

Quantity of Material: 12000 ☒ ~~Square Feet~~ ☐ Linear Feet **(check one)**

MATERIAL CONDITION:

Percent Damage: 1 % ☐ **Localized** ☐ **Distributed** **(check one)**

Type of Damage (check one) ☐ **Deterioration** ☐ **Water** ☐ **Physical** ☐ **Other**

Description: _____

POTENTIAL FOR DAMAGE

Accessible to Building Occupants?	☒ **Yes**	☐ **No**
Accessible to Maintenance Personnel?	☒ **Yes**	☐ **No**
Located in High Velocity Airstream?	☐ **Yes**	☒ **No**
Water Damage Likely?	☐ **Yes**	☒ **No**
Vibration Influence?	☐ **Yes**	☒ **No**

OVERALL ASSESSMENT RATING:

☐ **1 - Damaged/Significantly Damaged TSI**
☐ **2 - Damaged Surfacing ACM**
☐ **3 - Significantly Damaged Surfacing ACM**
☐ **4 - Damaged/Sig. Damaged Misc. ACM**
☐ **5 - ACBM with Potential for Damage**
☐ **6 - ACBM with Potential for Sig. Damage**
☐ **7 - Other Remaining Friable or Suspected ACBM**
☒ **8 – All other non friable ACBM**

Comments (attach additional sheets as necessary): _____

Inspector: Pamela H. Hogue **Signature:** _____ **Date:** 4/10/13

AHERA Inspection & Assessment
Field Data Form

Management Planner Recommendation

For damaged or significantly damaged TSI:

- ☐ Clean affected areas immediately following O&M procedures in original management plan
- ☐ Repair or Remove damaged areas immediately following O&M procedures in original management plan
- ☐ Maintain in good condition following repair. Adhere to recommendations in original management plan.

For damaged friable surfacing ACBM or damaged friable miscellaneous ACBM:

- ☐ Clean affected areas immediately following O&M procedures in original management plan
- ☐ Encapsulate, Enclose, Repair or Remove damaged areas immediately following O&M Procedures in original management plan
- ☐ Maintain in good condition following encapsulation, enclosure or repair. Adhere to recommendations in original management plan.

For significantly damaged friable surfacing ACBM or significantly damaged friable miscellaneous ACBM:

- ☐ Isolate area immediately and implement a response action as soon as possible.
- ☐ Clean affected areas immediately following O&M procedures in original management plan
- ☐ Encapsulate, Enclose, Repair or Remove damaged areas immediately following O&M procedures in original management plan
- ☐ Maintain in good condition following encapsulation, enclosure or repair. Adhere to recommendations in original management plan.

For friable surfacing ACBM, TSI ACBM or friable miscellaneous ACBM that has potential for damage:

- ☐ Maintain in good condition. Adhere to recommendations in original management plan.

For friable surfacing ACBM, TSI ACBM or friable miscellaneous ACBM that has potential for significant damage:

- ☐ Maintain in good condition. Adhere to recommendations in original management plan.
- ☐ Institute preventive measurements appropriate to eliminate likelihood that ACBM will become significantly damaged, deteriorated or delaminated.. Adhere to recommendations in original management plan.
- ☐ If preventive measurements cannot be implemented, remove materials as soon as reasonably possible. Adhere to recommendations in original management plan.

For friable known or assumed ACBM in good condition:

- ☐ Maintain in good condition following O&M procedures found in original management plan. Adhere to recommendations in original management plan

For Non-friable Known or Assumed ACBM

- ☐ Maintain in good, non-friable condition. Adhere to recommendations in original management plan.

Management Planner: Pamela H. Hogue **Signature:** _____ **Date:** 6/10/13

AHERA Inspection & Assessment
Field Data Form

School Name: E.L. Miller ES **Building Identification:** _____

Inspection Date: April 24, 2013 **Inspector:** Pamela H. Hogue

Original Inspection/Assessment Data

Homogeneous Area (HA) Name/Number: _____

HA Description: 1981, 1984 Buildings - restrooms, exterior overhangs

Friable ? (check one): ☒ Yes ☐ No **Type of ACBM (check one):** ☐ TSI ☐ SM ☒ MISC

ACBM Description: Plaster

Quantity of Material: ≈ 30000 ☒ Square Feet ☐ Linear Feet **(check one)**

MATERIAL CONDITION:

Percent Damage: 21 % ☐ **Localized** ☐ **Distributed** **(check one)**

Type of Damage (check one) ☐ **Deterioration** ☐ **Water** ☐ **Physical** ☐ **Other**

Description: _____

POTENTIAL FOR DAMAGE

Accessible to Building Occupants?	☒ **Yes**	☐ **No**
Accessible to Maintenance Personnel?	☒ **Yes**	☐ **No**
Located in High Velocity Airstream?	☐ **Yes**	☒ **No**
Water Damage Likely?	☐ **Yes**	☒ **No**
Vibration Influence?	☐ **Yes**	☒ **No**

OVERALL ASSESSMENT RATING:

- ☐ **1 - Damaged/Significantly Damaged TSI**
- ☐ **2 - Damaged Surfacing ACM**
- ☐ **3 - Significantly Damaged Surfacing ACM**
- ☐ **4 - Damaged/Sig. Damaged Misc. ACM**
- ☒ **5 - ACBM with Potential for Damage**
- ☐ **6 - ACBM with Potential for Sig. Damage**
- ☐ **7 - Other Remaining Friable or Suspected ACBM**
- ☒ **8 – All other non friable ACBM**

Comments (attach additional sheets as necessary): _____

Inspector: Pamela H. Hogue **Signature:** _____ **Date:** 4/10/13

AHERA Inspection & Assessment
Field Data Form

Management Planner Recommendation

For damaged or significantly damaged TSI:

- ☐ Clean affected areas immediately following O&M procedures in original management plan
- ☐ Repair or Remove damaged areas immediately following O&M procedures in original management plan
- ☐ Maintain in good condition following repair. Adhere to recommendations in original management plan.

For damaged friable surfacing ACBM or damaged friable miscellaneous ACBM:

- ☐ Clean affected areas immediately following O&M procedures in original management plan
- ☐ Encapsulate, Enclose, Repair or Remove damaged areas immediately following O&M Procedures in original management plan
- ☐ Maintain in good condition following encapsulation, enclosure or repair. Adhere to recommendations in original management plan.

For significantly damaged friable surfacing ACBM or significantly damaged friable miscellaneous ACBM:

- ☐ Isolate area immediately and implement a response action as soon as possible.
- ☐ Clean affected areas immediately following O&M procedures in original management plan
- ☐ Encapsulate, Enclose, Repair or Remove damaged areas immediately following O&M procedures in original management plan
- ☐ Maintain in good condition following encapsulation, enclosure or repair. Adhere to recommendations in original management plan.

For friable surfacing ACBM, TSI ACBM or friable miscellaneous ACBM that has potential for damage:

- ☐ Maintain in good condition. Adhere to recommendations in original management plan.

For friable surfacing ACBM, TSI ACBM or friable miscellaneous ACBM that has potential for significant damage:

- ☐ Maintain in good condition. Adhere to recommendations in original management plan.
- ☐ Institute preventive measurements appropriate to eliminate likelihood that ACBM will become significantly damaged, deteriorated or delaminated.. Adhere to recommendations in original management plan.
- ☐ If preventive measurements cannot be implemented, remove materials as soon as reasonably possible. Adhere to recommendations in original management plan.

For friable known or assumed ACBM in good condition:

- ☐ Maintain in good condition following O&M procedures found in original management plan. Adhere to recommendations in original management plan

For Non-friable Known or Assumed ACBM

- ☑ Maintain in good, non-friable condition. Adhere to recommendations in original management plan.

Management Planner: Pamela H. Hogue **Signature:** _____ **Date:** 4/10/13

AHERA Inspection & Assessment
Field Data Form

School Name: E.L. Miller ES **Building Identification:** _____

Inspection Date: April 24, 2013 **Inspector:** Pamela H. Hogue

Original Inspection/Assessment Data

Homogeneous Area (HA) Name/Number: _____

HA Description: 1981, 1984 Buildings - HVAC equipment

Friable ? (check one): ☐ Yes ☑ ~~No~~ **Type of ACBM (check one):** ☐ TSI ☐ SM ☑ ~~MISC~~

ACBM Description: Vibration dampers

Quantity of Material: NA ☐ Square Feet ☐ Linear Feet **(check one)**

MATERIAL CONDITION:

Percent Damage: _____ % ☐ **Localized** ☐ **Distributed** **(check one)**

Type of Damage (check one) ☐ **Deterioration** ☐ **Water** ☐ **Physical** ☐ **Other**

Description: _____

POTENTIAL FOR DAMAGE

Accessible to Building Occupants?	☐ **Yes**	☑ **No**
Accessible to Maintenance Personnel?	☑ ~~**Yes**~~	☐ **No**
Located in High Velocity Airstream?	☑ ~~**Yes**~~	☐ **No**
Water Damage Likely?	☐ **Yes**	☑ ~~**No**~~
Vibration Influence?	☑ ~~**Yes**~~	☐ **No**

OVERALL ASSESSMENT RATING:

- ☐ **1 - Damaged/Significantly Damaged TSI**
- ☐ **2 - Damaged Surfacing ACM**
- ☐ **3 - Significantly Damaged Surfacing ACM**
- ☐ **4 - Damaged/Sig. Damaged Misc. ACM**
- ☐ **5 - ACBM with Potential for Damage**
- ☐ **6 - ACBM with Potential for Sig. Damage**
- ☐ **7 - Other Remaining Friable or Suspected ACBM**
- ☑ ~~**8 – All other non friable ACBM**~~

Comments (attach additional sheets as necessary): _____

Inspector: Pamela H. Hogue **Signature:** _____ **Date:** 5/24/13

AHERA Inspection & Assessment
Field Data Form

Management Planner Recommendation

For damaged or significantly damaged TSI:

- ☐ Clean affected areas immediately following O&M procedures in original management plan
- ☐ Repair or Remove damaged areas immediately following O&M procedures in original management plan
- ☐ Maintain in good condition following repair. Adhere to recommendations in original management plan.

For damaged friable surfacing ACBM or damaged friable miscellaneous ACBM:

- ☐ Clean affected areas immediately following O&M procedures in original management plan
- ☐ Encapsulate, Enclose, Repair or Remove damaged areas immediately following O&M Procedures in original management plan
- ☐ Maintain in good condition following encapsulation, enclosure or repair. Adhere to recommendations in original management plan.

For significantly damaged friable surfacing ACBM or significantly damaged friable miscellaneous ACBM:

- ☐ Isolate area immediately and implement a response action as soon as possible.
- ☐ Clean affected areas immediately following O&M procedures in original management plan
- ☐ Encapsulate, Enclose, Repair or Remove damaged areas immediately following O&M procedures in original management plan
- ☐ Maintain in good condition following encapsulation, enclosure or repair. Adhere to recommendations in original management plan.

For friable surfacing ACBM, TSI ACBM or friable miscellaneous ACBM that has potential for damage:

- ☐ Maintain in good condition. Adhere to recommendations in original management plan.

For friable surfacing ACBM, TSI ACBM or friable miscellaneous ACBM that has potential for significant damage:

- ☐ Maintain in good condition. Adhere to recommendations in original management plan.
- ☐ Institute preventive measurements appropriate to eliminate likelihood that ACBM will become significantly damaged, deteriorated or delaminated.. Adhere to recommendations in original management plan.
- ☐ If preventive measurements cannot be implemented, remove materials as soon as reasonably possible. Adhere to recommendations in original management plan.

For friable known or assumed ACBM in good condition:

- ☐ Maintain in good condition following O&M procedures found in original management plan. Adhere to recommendations in original management plan

For Non-friable Known or Assumed ACBM

- ☐ Maintain in good, non-friable condition. Adhere to recommendations in original management plan.

Management Planner: Pamela H. Hogue Signature: _____ Date: 4/10/13

AHERA Inspection & Assessment
Field Data Form

School Name: E.L. Miller ES **Building Identification:** _____

Inspection Date: April 24, 2013 **Inspector:** Pamela H. Hogue

Original Inspection/Assessment Data

Homogeneous Area (HA) Name/Number: _____

HA Description: 1981, 1986 Buildings - boiler room, piping throughout buildings

Friable ? (check one): ☐ Yes ☒ ~~No~~ **Type of ACBM (check one):** ☐ TSI ☐ SM ☒ ~~MISC~~

ACBM Description: gaskets, valve packing & cement products

Quantity of Material: ~~NA~~ ☐ Square Feet ☐ Linear Feet **(check one)**

MATERIAL CONDITION:

Percent Damage: _____ % ☐ **Localized** ☐ **Distributed** **(check one)**

Type of Damage (check one) ☐ **Deterioration** ☐ **Water** ☐ **Physical** ☐ **Other**

Description: _____

POTENTIAL FOR DAMAGE

Accessible to Building Occupants?	☐ **Yes**	☒ **No**
Accessible to Maintenance Personnel?	☒ **Yes**	☐ **No**
Located in High Velocity Airstream?	☐ **Yes**	☒ **No**
Water Damage Likely?	☐ **Yes**	☒ **No**
Vibration Influence?	☐ **Yes**	☒ **No**

OVERALL ASSESSMENT RATING:

☐ **1 - Damaged/Significantly Damaged TSI**
☐ **2 - Damaged Surfacing ACM**
☐ **3 - Significantly Damaged Surfacing ACM**
☐ **4 - Damaged/Sig. Damaged Misc. ACM**
☐ **5 - ACBM with Potential for Damage**
☐ **6 - ACBM with Potential for Sig. Damage**
☐ **7 - Other Remaining Friable or Suspected ACBM**
☒ **8 – All other non friable ACBM**

Comments (attach additional sheets as necessary): _____

Inspector: Pamela H. Hogue **Signature:** _____ **Date:** 6/14/13

Management Planner Recommendation

For damaged or significantly damaged TSI:

- ☐ Clean affected areas immediately following O&M procedures in original management plan
- ☐ Repair or Remove damaged areas immediately following O&M procedures in original management plan
- ☐ Maintain in good condition following repair. Adhere to recommendations in original management plan.

For damaged friable surfacing ACBM or damaged friable miscellaneous ACBM:

- ☐ Clean affected areas immediately following O&M procedures in original management plan
- ☐ Encapsulate, Enclose, Repair or Remove damaged areas immediately following O&M Procedures in original management plan
- ☐ Maintain in good condition following encapsulation, enclosure or repair. Adhere to recommendations in original management plan.

For significantly damaged friable surfacing ACBM or significantly damaged friable miscellaneous ACBM:

- ☐ Isolate area immediately and implement a response action as soon as possible.
- ☐ Clean affected areas immediately following O&M procedures in original management plan
- ☐ Encapsulate, Enclose, Repair or Remove damaged areas immediately following O&M procedures in original management plan
- ☐ Maintain in good condition following encapsulation, enclosure or repair. Adhere to recommendations in original management plan.

For friable surfacing ACBM, TSI ACBM or friable miscellaneous ACBM that has potential for damage:

- ☐ Maintain in good condition. Adhere to recommendations in original management plan.

For friable surfacing ACBM, TSI ACBM or friable miscellaneous ACBM that has potential for significant damage:

- ☐ Maintain in good condition. Adhere to recommendations in original management plan.
- ☐ Institute preventive measurements appropriate to eliminate likelihood that ACBM will become significantly damaged, deteriorated or delaminated.. Adhere to recommendations in original management plan.
- ☐ If preventive measurements cannot be implemented, remove materials as soon as reasonably possible. Adhere to recommendations in original management plan.

For friable known or assumed ACBM in good condition:

- ☐ Maintain in good condition following O&M procedures found in original management plan. Adhere to recommendations in original management plan

For Non-friable Known or Assumed ACBM

- ☑ Maintain in good, non-friable condition. Adhere to recommendations in original management plan.

Management Planner: Pamela H. Hogue **Signature:** _____ **Date:** 4/10/13

AHERA Inspection & Assessment
Field Data Form

School Name: E.L. Miller ES **Building Identification:** _____

Inspection Date: April 24, 2013 **Inspector:** Pamela H. Hogue

Original Inspection/Assessment Data

Homogeneous Area (HA) Name/Number: _____

HA Description: 1981 Building - Cafeteria

Friable ? (check one): ☐ Yes ☐ ~~No~~ **Type of ACBM (check one):** ☐ TSI ☐ SM ☑ ~~MISC~~

ACBM Description: Stage Curtain

Quantity of Material: ~~NA~~ ☐ Square Feet ☐ Linear Feet **(check one)**

MATERIAL CONDITION:

Percent Damage: ~~_____~~ % ☐ **Localized** ☐ **Distributed** **(check one)**

Type of Damage (check one) ☐ **Deterioration** ☐ **Water** ☐ **Physical** ☐ **Other**

Description: _____

POTENTIAL FOR DAMAGE

Accessible to Building Occupants?	☑ ~~**Yes**~~	☐ **No**
Accessible to Maintenance Personnel?	☐ **Yes**	☐ **No**
Located in High Velocity Airstream?	☐ **Yes**	☑ ~~**No**~~
Water Damage Likely?	☐ **Yes**	☑ ~~**No**~~
Vibration Influence?	☐ **Yes**	☑ ~~**No**~~

OVERALL ASSESSMENT RATING:

- ☐ **1 - Damaged/Significantly Damaged TSI**
- ☐ **2 - Damaged Surfacing ACM**
- ☐ **3 - Significantly Damaged Surfacing ACM**
- ☐ **4 - Damaged/Sig. Damaged Misc. ACM**
- ☐ **5 - ACBM with Potential for Damage**
- ☐ **6 - ACBM with Potential for Sig. Damage**
- ☐ **7 - Other Remaining Friable or Suspected ACBM**
- ☑ ~~**8 – All other non friable ACBM**~~

Comments (attach additional sheets as necessary): _____

Inspector: Pamela H. Hogue **Signature:** _____ **Date:** 4/10/13

AHERA Inspection & Assessment
Field Data Form

Management Planner Recommendation

For damaged or significantly damaged TSI:

- ☐ Clean affected areas immediately following O&M procedures in original management plan
- ☐ Repair or Remove damaged areas immediately following O&M procedures in original management plan
- ☐ Maintain in good condition following repair. Adhere to recommendations in original management plan.

For damaged friable surfacing ACBM or damaged friable miscellaneous ACBM:

- ☐ Clean affected areas immediately following O&M procedures in original management plan
- ☐ Encapsulate, Enclose, Repair or Remove damaged areas immediately following O&M Procedures in original management plan
- ☐ Maintain in good condition following encapsulation, enclosure or repair. Adhere to recommendations in original management plan.

For significantly damaged friable surfacing ACBM or significantly damaged friable miscellaneous ACBM:

- ☐ Isolate area immediately and implement a response action as soon as possible.
- ☐ Clean affected areas immediately following O&M procedures in original management plan
- ☐ Encapsulate, Enclose, Repair or Remove damaged areas immediately following O&M procedures in original management plan
- ☐ Maintain in good condition following encapsulation, enclosure or repair. Adhere to recommendations in original management plan.

For friable surfacing ACBM, TSI ACBM or friable miscellaneous ACBM that has potential for damage:

- ☐ Maintain in good condition. Adhere to recommendations in original management plan.

For friable surfacing ACBM, TSI ACBM or friable miscellaneous ACBM that has potential for significant damage:

- ☐ Maintain in good condition. Adhere to recommendations in original management plan.
- ☐ Institute preventive measurements appropriate to eliminate likelihood that ACBM will become significantly damaged, deteriorated or delaminated.. Adhere to recommendations in original management plan.
- ☐ If preventive measurements cannot be implemented, remove materials as soon as reasonably possible. Adhere to recommendations in original management plan.

For friable known or assumed ACBM in good condition:

- ☐ Maintain in good condition following O&M procedures found in original management plan. Adhere to recommendations in original management plan

For Non-friable Known or Assumed ACBM

- ☐ Maintain in good, non-friable condition. Adhere to recommendations in original management plan.

Management Planner: Pamela H. Hogue Signature: _____ Date: 4/19/13

AHERA Inspection & Assessment
Field Data Form

School Name: E.L. Miller ES **Building Identification:** _____

Inspection Date: April 24, 2013 **Inspector:** Pamela H. Hogue

Original Inspection/Assessment Data

Homogeneous Area (HA) Name/Number: _____

HA Description: 1981, 1984 Building – Classroom

Friable ? (check one): ☐ Yes ☑ No **Type of ACBM (check one):** ☐ TSI ☐ SM ☑ MISC

ACBM Description: Blue laboratory Counter tops, table tops & Back Splash

Quantity of Material: NA ☐ Square Feet ☐ Linear Feet **(check one)**

MATERIAL CONDITION:

Percent Damage: _____ % ☐ **Localized** ☐ **Distributed** **(check one)**

Type of Damage (check one) ☐ **Deterioration** ☐ **Water** ☐ **Physical** ☐ **Other**

Description: _____

POTENTIAL FOR DAMAGE

Accessible to Building Occupants?	☑ **Yes**	☐ **No**
Accessible to Maintenance Personnel?	☑ **Yes**	☐ **No**
Located in High Velocity Airstream?	☐ **Yes**	☑ **No**
Water Damage Likely?	☐ **Yes**	☑ **No**
Vibration Influence?	☐ **Yes**	☑ **No**

OVERALL ASSESSMENT RATING:

- ☐ **1 - Damaged/Significantly Damaged TSI**
- ☐ **2 - Damaged Surfacing ACM**
- ☐ **3 - Significantly Damaged Surfacing ACM**
- ☐ **4 - Damaged/Sig. Damaged Misc. ACM**
- ☐ **5 - ACBM with Potential for Damage**
- ☐ **6 - ACBM with Potential for Sig. Damage**
- ☐ **7 - Other Remaining Friable or Suspected ACBM**
- ☑ **8 – All other non friable ACBM**

Comments (attach additional sheets as necessary): _____

Inspector: Pamela H. Hogue **Signature:** _____ **Date:** 4/10/13

AHERA Inspection & Assessment
Field Data Form

Management Planner Recommendation

For damaged or significantly damaged TSI:

- ☐ Clean affected areas immediately following O&M procedures in original management plan
- ☐ Repair or Remove damaged areas immediately following O&M procedures in original management plan
- ☐ Maintain in good condition following repair. Adhere to recommendations in original management plan.

For damaged friable surfacing ACBM or damaged friable miscellaneous ACBM:

- ☐ Clean affected areas immediately following O&M procedures in original management plan
- ☐ Encapsulate, Enclose, Repair or Remove damaged areas immediately following O&M Procedures in original management plan
- ☐ Maintain in good condition following encapsulation, enclosure or repair. Adhere to recommendations in original management plan.

For significantly damaged friable surfacing ACBM or significantly damaged friable miscellaneous ACBM:

- ☐ Isolate area immediately and implement a response action as soon as possible.
- ☐ Clean affected areas immediately following O&M procedures in original management plan
- ☐ Encapsulate, Enclose, Repair or Remove damaged areas immediately following O&M procedures in original management plan
- ☐ Maintain in good condition following encapsulation, enclosure or repair. Adhere to recommendations in original management plan.

For friable surfacing ACBM, TSI ACBM or friable miscellaneous ACBM that has potential for damage:

- ☐ Maintain in good condition. Adhere to recommendations in original management plan.

For friable surfacing ACBM, TSI ACBM or friable miscellaneous ACBM that has potential for significant damage:

- ☐ Maintain in good condition. Adhere to recommendations in original management plan.
- ☐ Institute preventive measurements appropriate to eliminate likelihood that ACBM will become significantly damaged, deteriorated or delaminated.. Adhere to recommendations in original management plan.
- ☐ If preventive measurements cannot be implemented, remove materials as soon as reasonably possible. Adhere to recommendations in original management plan.

For friable known or assumed ACBM in good condition:

- ☐ Maintain in good condition following O&M procedures found in original management plan. Adhere to recommendations in original management plan

For Non-friable Known or Assumed ACBM

- ☐ Maintain in good, non-friable condition. Adhere to recommendations in original management plan.

Management Planner: Pamela H. Hogue Signature: _____ Date: 10/13

AHERA Inspection & Assessment
Field Data Form

School Name: E.L. Miller ES **Building Identification:** _____

Inspection Date: April 24, 2013 **Inspector:** Pamela H. Hogue

Original Inspection/Assessment Data

Homogeneous Area (HA) Name/Number: _____

HA Description: 1981 Building - Boiler room

Friable ? (check one): ☒ Yes ☐ No **Type of ACBM (check one):** ☒ TSI ☐ SM ☐ MISC

ACBM Description: Boiler

Quantity of Material: 2 500 ☒ Square Feet ☐ Linear Feet **(check one)**

MATERIAL CONDITION:

Percent Damage: < 1 % ☐ **Localized** ☐ **Distributed** **(check one)**

Type of Damage (check one) ☐ **Deterioration** ☐ **Water** ☐ **Physical** ☐ **Other**

Description: good. enclosed in metal jacket

POTENTIAL FOR DAMAGE

Accessible to Building Occupants?	☐ **Yes**	☒ **No**
Accessible to Maintenance Personnel?	☒ **Yes**	☐ **No**
Located in High Velocity Airstream?	☐ **Yes**	☒ **No**
Water Damage Likely?	☐ **Yes**	☒ **No**
Vibration Influence?	☐ **Yes**	☒ **No**

OVERALL ASSESSMENT RATING:

☐ **1 - Damaged/Significantly Damaged TSI**
☐ **2 - Damaged Surfacing ACM**
☐ **3 - Significantly Damaged Surfacing ACM**
☐ **4 - Damaged/Sig. Damaged Misc. ACM**
☒ **5 - ACBM with Potential for Damage**
☐ **6 - ACBM with Potential for Sig. Damage**
☐ **7 - Other Remaining Friable or Suspected ACBM**
☐ **8 – All other non friable ACBM**

Comments (attach additional sheets as necessary): _____

Inspector: Pamela H. Hogue **Signature:** _____ **Date:** 4/24/13

AHERA Inspection & Assessment
Field Data Form

Management Planner Recommendation

For damaged or significantly damaged TSI:

- ☐ Clean affected areas immediately following O&M procedures in original management plan
- ☐ Repair or Remove damaged areas immediately following O&M procedures in original management plan
- ☐ Maintain in good condition following repair. Adhere to recommendations in original management plan.

For damaged friable surfacing ACBM or damaged friable miscellaneous ACBM:

- ☐ Clean affected areas immediately following O&M procedures in original management plan
- ☐ Encapsulate, Enclose, Repair or Remove damaged areas immediately following O&M Procedures in original management plan
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For significantly damaged friable surfacing ACBM or significantly damaged friable miscellaneous ACBM:

- ☐ Isolate area immediately and implement a response action as soon as possible.
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- ☐ Maintain in good condition following encapsulation, enclosure or repair. Adhere to recommendations in original management plan.

For friable surfacing ACBM, TSI ACBM or friable miscellaneous ACBM that has potential for damage:

- ☑ Maintain in good condition. Adhere to recommendations in original management plan.

For friable surfacing ACBM, TSI ACBM or friable miscellaneous ACBM that has potential for significant damage:

- ☐ Maintain in good condition. Adhere to recommendations in original management plan.
- ☐ Institute preventive measurements appropriate to eliminate likelihood that ACBM will become significantly damaged, deteriorated or delaminated.. Adhere to recommendations in original management plan.
- ☐ If preventive measurements cannot be implemented, remove materials as soon as reasonably possible. Adhere to recommendations in original management plan.

For friable known or assumed ACBM in good condition:

- ☐ Maintain in good condition following O&M procedures found in original management plan. Adhere to recommendations in original management plan

For Non-friable Known or Assumed ACBM

- ☑ Maintain in good, non-friable condition. Adhere to recommendations in original management plan.

Management Planner: Pamela H. Hogue Signature: _____ Date: 6/19/13

AHERA Inspection & Assessment
Field Data Form

Management Planner Recommendation

For damaged or significantly damaged TSI:

- ☐ Clean affected areas immediately following O&M procedures in original management plan
- ☐ Repair or Remove damaged areas immediately following O&M procedures in original management plan
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- ☐ Maintain in good condition following O&M procedures found in original management plan. Adhere to recommendations in original management plan

For Non-friable Known or Assumed ACBM

- ☑ Maintain in good, non-friable condition. Adhere to recommendations in original management plan.

Management Planner: Pamela H. Hogue Signature: _____ Date: 4/10/13

AHERA Inspection & Assessment
Field Data Form

Management Planner Recommendation

For damaged or significantly damaged TSI:

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- ☐ If preventive measurements cannot be implemented, remove materials as soon as reasonably possible. Adhere to recommendations in original management plan.

For friable known or assumed ACBM in good condition:

- ☐ Maintain in good condition following O&M procedures found in original management plan. Adhere to recommendations in original management plan

For Non-friable Known or Assumed ACBM

- ☐ Maintain in good, non-friable condition. Adhere to recommendations in original management plan.

Management Planner: Pamela H. Hogue Signature: _____ Date: 5/14/13

AHERA Inspection & Assessment
Field Data Form

Management Planner Recommendation

For damaged or significantly damaged TSI:

- ☐ Clean affected areas immediately following O&M procedures in original management plan
- ☐ Repair or Remove damaged areas immediately following O&M procedures in original management plan
- ☐ Maintain in good condition following repair. Adhere to recommendations in original management plan.

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For friable surfacing ACBM, TSI ACBM or friable miscellaneous ACBM that has potential for significant damage:

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- ☐ If preventive measurements cannot be implemented, remove materials as soon as reasonably possible. Adhere to recommendations in original management plan.

For friable known or assumed ACBM in good condition:

- ☐ Maintain in good condition following O&M procedures found in original management plan. Adhere to recommendations in original management plan

For Non-friable Known or Assumed ACBM

- ☐ Maintain in good, non-friable condition. Adhere to recommendations in original management plan.

Management Planner: Pamela H. Hogue Signature: _____ Date: 6/10/13

AHERA Inspection & Assessment
Field Data Form

Management Planner Recommendation

For damaged or significantly damaged TSI:

- ☐ Clean affected areas immediately following O&M procedures in original management plan
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For friable surfacing ACBM, TSI ACBM or friable miscellaneous ACBM that has potential for damage:

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For friable surfacing ACBM, TSI ACBM or friable miscellaneous ACBM that has potential for significant damage:

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- ☐ Institute preventive measurements appropriate to eliminate likelihood that ACBM will become significantly damaged, deteriorated or delaminated.. Adhere to recommendations in original management plan.
- ☐ If preventive measurements cannot be implemented, remove materials as soon as reasonably possible. Adhere to recommendations in original management plan.

For friable known or assumed ACBM in good condition:

- ☐ Maintain in good condition following O&M procedures found in original management plan. Adhere to recommendations in original management plan

For Non-friable Known or Assumed ACBM

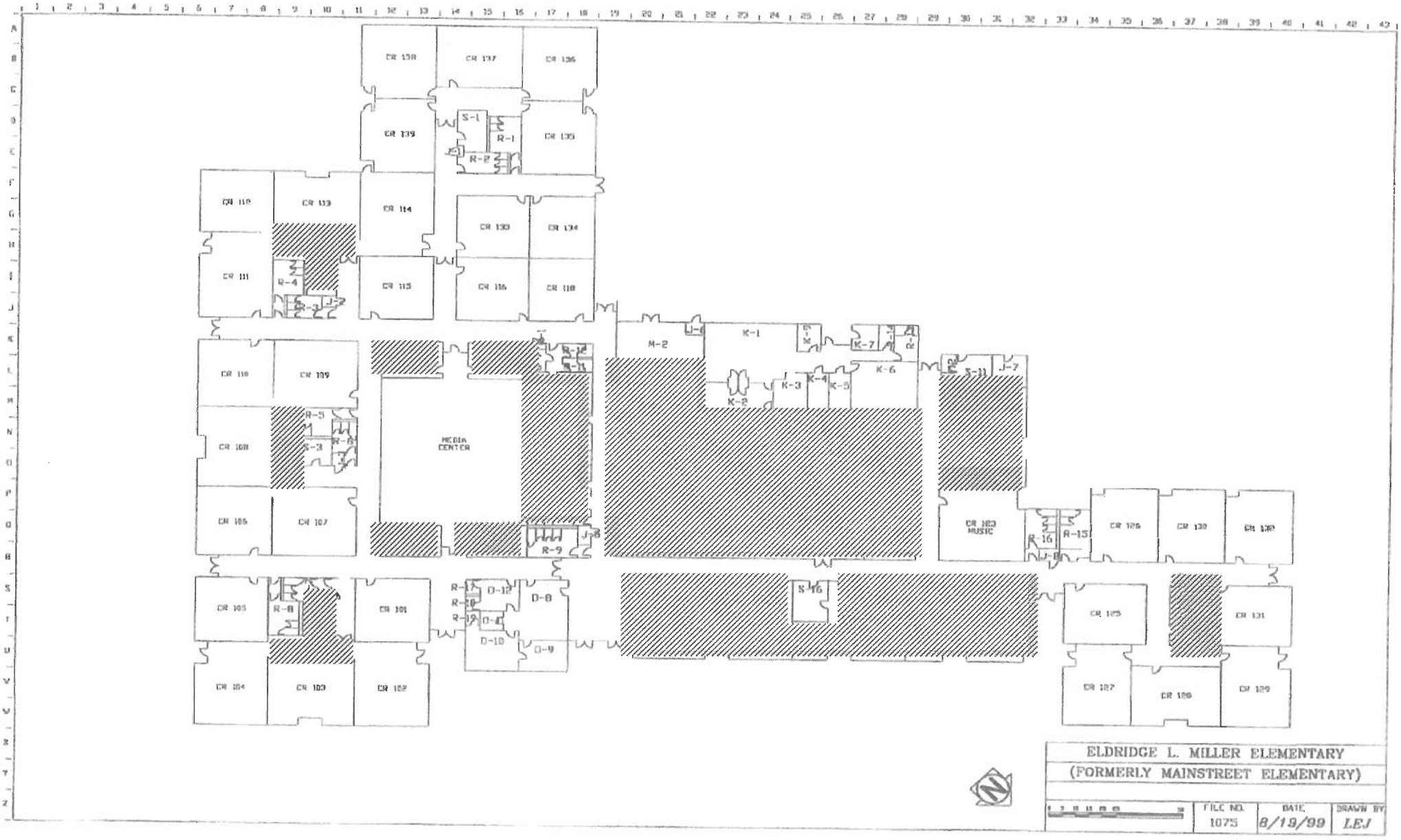
- ☐ Maintain in good, non-friable condition. Adhere to recommendations in original management plan.

Management Planner: Pamela H. Hogue **Signature:** _____ **Date:** 6/4/03

APPENDIX J

DRAWING DEPICTING ASBESTOS-CONTAINING 12"x12" FLOOR TILE AND MASTICS

E.L. Miller Elementary School
Identified or Assumed Asbestos-Containing Floor Tile and Mastic Locations
(12"x12" – various colors & patterns)
April 24, 2013



APPENDIX K

ARCHITECT'S EXCLUSION STATEMENT

APPENDIX L

HISTORICAL DATA

1991 AHERA Survey Documents

DEKALB COUNTY SCHOOLS
ASBESTOS EXECUTIVE SUMMARY

05/06/03

Signature _____ Accred #: 118605 Date 5/04/03

SPACE #	Material	Current Cond	AMOUNT/ UNITS	Fri	Pot Damage
Description			Management Assessment		
1075 Eldridge L. Miller Es			Total Sq.Ft. 66,965		
Exterior	SURF	Good	996Sq.Ft.	no	Low
Fri:	plaster overhangs		Non-TSI/Non-Friable		
R15	SURF	Good	215Sq.Ft.	no	Low
Fri:	plaster ceiling		Non-TSI/Non-Friable		
R16	SURF	Good	185Sq.Ft.	no	Low
Fri:	plaster ceiling		Non-TSI/Non-Friable		
R9	SURF	Good	234Sq.Ft.	no	Low
Fri:	plaster ceiling		Non-TSI/Non-Friable		
R12	SURF	Good	27Sq.Ft.	no	Low
Fri:	plaster ciling		Non-TSI/Non-Friable		
R11	SURF	Good	27Sq.Ft.	no	Low
Fri:	plaster ceiling		Non-TSI/Non-Friable		
R3	SURF	Good	122Sq.Ft.	no	Low
Fri:	plaster ceiling		Non-TSI/Non-Friable		
R4	SURF	Good	175Sq.Ft.	no	Low
Fri:	plaster ceiling		Non-TSI/Non-Friable		
R5	SURF	Good	175Sq.Ft.	no	Low
Fri:	plaster ceiling		Non-TSI/Non-Friable		
R6	SURF	Good	122Sq.Ft.	no	Low
Fri:	plaster ceiling		Non-TSI/Non-Friable		
R8	SURF	Good	174Sq.Ft.	no	Low
Fri:	plaster ceiling		Non-TSI/Non-Friable		

LEGEND: Friable - Yes/No Potential for Damage - Low/Medium/high
Current Condition - Good/Damaged/Significantly Damaged

DEKALB COUNTY SCHOOLS
ASBESTOS EXECUTIVE SUMMARY

05/06/03

Signature _____ Accred #: _____ Date _____

SPACE #	Material	Current Cond	AMOUNT/ UNITS	Fri	Pot Damage
	Description		Management Assessment		
R7	SURF	Good	122Sq.Ft.	no	Low
Fri:	plaster ceiling		Non-TSI/Non-Friable		
R18	SURF	Good	28Sq.Ft.	no	Low
Fri:	plaster ceiling		Non-TSI/Non-Friable		
R17	SURF	Good	275Sq.Ft.	no	Low
Fri:	plaster ceiling		Non-TSI/Non-Friable		
M1	MISC	Good	512Sq.Ft.	no	Low
Fri:	sheetrock wall		Non-TSI/Non-Friable		
S-9	MISC	Good	257Sq.Ft.	no	Low
Fri:	beige floor tile		Non-TSI/Non-Friable		
STAGE	MISC	Good	759Sq.Ft.	no	Low
Fri:	beige floor tile		Non-TSI/Non-Friable		
CAFE	MISC	Good	5,580Sq.Ft.	no	Low
Fri:	beige floorr tile		Non-TSI/Non-Friable		
S-6	MISC	Good	126Sq.Ft.	no	Low
Fri:	beige floor tile		Non-TSI/Non-Friable		
O-6	MISC	Good	474Sq.Ft.	no	Low
Fri:	beige floor tile		Non-TSI/Non-Friable		
S-7	MISC	Good	35Sq.Ft.	no	Low
Fri:	beige floor tile		Non-TSI/Non-Friable		
O-3	MISC	Good	294Sq.Ft.	no	Low
Fri:	beige floor tile		Non-TSI/Non-Friable		

LEGEND: Friable - Yes/No Potential for Damage - Low/Medium/high
Current Condition - Good/Damaged/Significantly Damaged

Signature _____ Accred #: 118625 Date 10/4/10

SPACE #	Material	Current Cond	AMOUNT/ UNITS	Fri	Pot Damage
	Description		Management Assessment		
O-4	MISC	Good	316Sq.Ft.	no	Low
Fri:	beige floor tile		Non-TSI/Non-Friable		
O-2	MISC	Good	253Sq.Ft.	no	Low
Fri:	beige floor tile		Non-TSI/Non-Friable		
S-12	MISC	Good	25Sq.Ft.	no	Low
Fri:	beige floor tile		Non-TSI/Non-Friable		
S-2	MISC	Good	132Sq.Ft.	no	Low
Fri:	beige floor tile		Non-TSI/Non-Friable		
S-3	MISC	Good	128Sq.Ft.	no	Low
Fri:	beige floor tile		Non-TSI/Non-Friable		
O-12	MISC	Good	180Sq.Ft.	no	Low
Fri:	beige floor tile		Non-TSI/Non-Friable		
O-11	MISC	Good	60Sq.Ft.	no	Low
Fri:	beige floor tile		Non-TSI/Non-Friable		
S-11	MISC	Good	205Sq.Ft.	no	Low
Fri:	beige floor tile		Non-TSI/Non-Friable		
108 hall	MISC	Good	363Sq.Ft.	no	Low
Fri:	CORR. BY 108 floor tile		Non-TSI/Non-Friable		
101 hall	MISC	Good	363Sq.Ft.	no	Low
Fri:	CORR BY 101,102,103 floor tile		Non-TSI/Non-Friable		
111 hall	MISC	Good	363Sq.Ft.	no	Low
Fri:	CORR. 111,112,113 floor tile		Non-TSI/Non-Friable		

++
LEGEND: Friable - Yes/No Potential for Damage - Low/Medium/high
Current Condition - Good/Damaged/Significantly Damaged

DEKALB COUNTY SCHOOLS
ASBESTOS EXECUTIVE SUMMARY

05/06/03

gnature _____ Accred #: 11865 Date 10/4/18

SPACE #	Material	Current Cond	AMOUNT/ UNITS	Fri	Pot Damage
Description			Management Assessment		
WRITE TO	MISC	Good	534Sq.Ft.	no	Low
Fri:	beige floor tile		Non-TSI/Non-Friable		
S4	MISC	Good	132Sq.Ft.	no	Low
Fri:	12x12 white floor tile		Non-TSI/Non-Friable		
124	MISC	Good	825Sq.Ft.	no	Low
Fri:	beige floor tile		Non-TSI/Non-Friable		
S-10	MISC	Good	146Sq.Ft.	no	Low
Fri:	beige floor tile		Non-TSI/Non-Friable		
123	MISC	Good	836Sq.Ft.	no	Low
i:	beige floor tile		Non-TSI/Non-Friable		
S-13	MISC	Good	160Sq.Ft.	no	Low
Fri:	beige floor tile		Non-TSI/Non-Friable		
J-9	MISC	Good	162Sq.Ft.	no	Low
Fri:	beige floor tile		Non-TSI/Non-Friable		
122	MISC	Good	922Sq.Ft.	no	Low
Fri:	beige floor tile		Non-TSI/Non-Friable		
S-14	MISC	Good	250Sq.Ft.	no	Low
Fri:	beige floor tile		Non-TSI/Non-Friable		
121	MISC	Good	875Sq.Ft.	no	Low
Fri:	beige floor tile		Non-TSI/Non-Friable		
S-16	MISC	Good	157Sq.Ft.	no	Low
ri:	beige floor tile		Non-TSI/Non-Friable		

++
LEGEND: Friable - Yes/No Potential for Damage - Low/Medium/high
Current Condition - Good/Damaged/Significantly Damaged

DEKALB COUNTY SCHOOLS
ASBESTOS EXECUTIVE SUMMARY

05/06/03

gnature _____ Accred #: 15495 Date 10/4/03

SPACE #	Material	Current Cond	AMOUNT/ UNITS	Fri	Pot Damage
	Description		Management Assessment		
S-15	MISC	Good	163Sq.Ft.	no	Low
Fri:	beige floor tile		Non-TSI/Non-Friable		
120	MISC	Good	967Sq.Ft.	no	Low
Fri:	beige floor tile		Non-TSI/Non-Friable		
S-8	MISC	Good	253Sq.Ft.	no	Low
Fri:	beige floor tile		Non-TSI/Non-Friable		
119	MISC	Good	901Sq.Ft.	no	Low
Fri:	beige floor tile		Non-TSI/Non-Friable		

++
LEGEND: Friable - Yes/No Potential for Damage - Low/Medium/high
Current Condition - Good/Damaged/Significantly Damaged

APPENDIX M

ASBESTOS MANAGEMENT RECORDS

ACM Removal Records

Air Sampling Records

Additional Sampling and Analysis of Suspect ACM

ACM Cleaning Records

Fiber Release Episodes

Asbestos-Related Training Certificates/Sign-In Sheets

Annual Notification Letters

DeKalb County School District

POTENTIAL CHANGE ORDER (PCO) REQUEST

School Name:	E.L. Miller ES	Date:	May 26, 2023
Project Name:	GC Services for EL Miller MSBR	Project Number:	354-35
Title:	HAZMAT Removal	PCO #:	011

Description of Work:

The plumbing drawings call for removing and replacing the existing water coolers in the corridors. However, it appears that DeKalb Schools Maintenance has already replaced 11 of the 14 water coolers. The new water coolers have bottle filling stations that the specified and approved water coolers do not include. Per RFI 29, we will be leaving the new water coolers installed by DeKalb Schools and we will be replacing the existing 3 water coolers with matching water coolers.

A. Subcontractor Cost of the Work

Able Plumbing - Credit Original Water Coolers	$	(28,655.00)
Able Plumbing - Add (3) New Elkay LVRCGRN8WSK	$	14,025.00
	$	-
	$	-
	$	-
	$	-

Subtotal A: $ (14,630.00)

B. CONTRACTOR Fee: (As per Section 11.7.1.2) - 5% subcontractor work

Subtotal B: $ (731.50)

C. CONTRACTOR Cost of the Work:

Payroll Costs (See attached supporting documentation.)	$	-
Materials and Equipment (See attached suporting documentation.)	$	-
Consultant Costs (See attached suporting documentation.)	$	-
Self-Performed Costs (See attached suporting documentation.)		

Subtotal C: $ -

D. P&P Bond - 0.4% of Total Subs Cost of Change

Subtotal D: $ (61.69)

E. CONTRACTOR Fee: - 10% self performed

Subtotal E: $ -

Total = (A + B + C + D + E) **Total:** $ (15,423.19)

☐ **The proposal would** ☐ Increase ☐ Decrease **the Milestones and/or Contract Time by** ____ **calendar days.**

☑ **The proposal does NOT affect the Milestones and/or Contract Time.**

Contractor Signature	Title	Date
	Operation Manager	May 26, 2023

ABLE PLUMBING CO., INC.
85 ROLLING RD.
SOCIAL CIRCLE, GA 30025

May 25, 2023

Centennial

ATTN: Tyler

Ref; Change Order for E L Miller Drinking Fountains

Credit for not installing 7 bilevel electric drinking fountains

1 single electric drinking fountain

Credit of $28,655.00

Price to install 3 drinking fountains to match existing drinking fountains that were installed during covid

3 Elkay LVRCGRN8WSK (2 weeks lead time)

Demo existing

Rerough water and drain

Total price - $14,025.00

DeKalb County School District

POTENTIAL CHANGE ORDER (PCO) REQUEST

School Name:	E.L. Miller ES	Date:	June 6, 2023
Project Name:	GC Services for EL Miller MSBR	Project Number:	354-35
Title:	Electrical Outlets - K-2nd	PCO #:	012

Description of Work:

Provide and install a total of eighteen (18) quad receptacles throught the K-2nd classrooms where the existing surface mounted electrical outlets were mounted on the old moveable partitions that are shown to be demolished. It is not possible to save the surface mounted wiremolding for re-use. See RFI #33 for reference.

A. Subcontractor Cost of the Work

Electrical Contractors Inc	$	5,548.54	
Chandler Interiors	$	360.00	
	$	-	
	$	-	
	$	-	
	$	-	**Subtotal A:** $ 5,908.54

B. CONTRACTOR Fee: (As per Section 11.7.1.2) - 5% subcontractor work

Subtotal B: $ 295.43

C. CONTRACTOR Cost of the Work:

Payroll Costs (See attached supporting documentation.)	$	-	
Materials and Equipment (See attached suporting documentation.)	$	-	
Consultant Costs (See attached suporting documentation.)	$	-	
Self-Performed Costs (See attached suporting documentation.)	$	-	**Subtotal C:** $ -

D. P&P Bond - 0.4% of Total Subs Cost of Change

Subtotal D: $ 24.92

E. CONTRACTOR Fee: - 10% self performed

Subtotal E: $ -

Total = (A + B + C + D + E) **Total:** $ 6,228.89

☐ **The proposal would** ☐ Increase ☐ Decrease **the Milestones and/or Contract Time by** ____ **calendar days.**

☑ **The proposal does NOT affect the Milestones and/or Contract Time.**

Contractor Signature	Title	Date
	Operation Manager	June 6, 2023

CENTENNIAL
A BILFINGER COMPANY

SE Region
3351 Wrightsboro Road, Suite 403
Augusta, Georgia 30909
P: (706) 723-5527
F: (770) 613-2992

Project: 73150-0120 DCSD E.L. Miller Elementary School MSBR
919 Martin Road
Stone Mountain, Georgia 30088

RFI #33: EL Miller ES - Existing Surface Mounted Outlets in K, 1st, & 2nd Grade Areas

Status	Closed on 06/02/23		
To	Bobby Weiner (CDH Partners) *(Response Required)* Chantel Coley (NBP Engineers) *(Response Required)*	**From**	Ray Church (Centennial Contractors Enterprises, Inc.) 3351 Wrightsboro Road, Suite 403 Augusta, Georgia 30909
Date Initiated	May 30, 2023	**Due Date**	Jun 2, 2023
Location	Classrooms	**Project Stage**	Course of Construction
Cost Impact	Yes (Unknown)	**Schedule Impact**	No
Spec Section	26 0002 - ELECTRICAL SPECIFICATIONS	**Cost Code**	
Drawing Number	D101, ED202, E402	**Reference**	
Linked Drawings			
Received From	Ray Church (Centennial Contractors Enterprises, Inc.)		
Copies To	Melissa Cantrell (CDH Partners), Jim Chandler (Chandler Interiors), Ray Church (Centennial Contractors Enterprises, Inc.), Alyssa Franklin (CDH Partners), Shane Holbrook (Electrical Contractor Incorporated), Charles Minton (Electrical Contractor Incorporated), Allan Rogers (Electrical Contractor Incorporated)		

Activity

Question

Question from Ray Church Centennial Contractors Enterprises, Inc. *on Friday, May 26, 2023 at 09:57 AM EDT*

At walls being demolished per D101 in Rooms 101 thru 115, we have found a total of surface mounted 18 quad plex outlets on the walls that are coming down. Ten in the Kindergarten, six in the 1st grade area & two in the 2nd grade area. Upon inspection, we determined that most of these outlets were used for computers for the kids and other A/V equipment used by the teachers. The current electrical drawings to not identify these outlets being replaced. Since they were mounted on partitions being removed, there was no way to salvage them. Shall new receptacles be installed to replace the receptacles that were mounted on the demolished walls?

Attachments
IMG_2023_05_26_09_27_12_880.jpg, IMG_2023_05_25_11_42_59_982.jpg, IMG_2023_05_25_11_36_56_444.jpg, IMG_2023_05_25_11_43_18_859.jpg, IMG_2023_05_25_11_42_59_982.jpg

Official Response

Response from Chantel Coley NBP Engineers *on Friday, Jun 2, 2023 at 10:18 AM EDT*

NBP Response - Add back the same number of outlets attached to the existing circuits as was removed. Use MC cable inside the new walls down to new flush mounted boxes and receptacles.

Attachments
RFI 33 - DCSD_E.L.Miller-Existing_Surface_Mounted_Outlets_in_K,_1s_2 NBP response.pdf

CENTENNIAL
A BILFINGER COMPANY
SE Region

Printed on Tue Jun 6, 2023 at 12:28 pm EDT

Job #: 73150-0120 DCSD E.L. Miller Elementary School MSBR
919 Martin Road
Stone Mountain, Georgia 30088

5.25.23

Description

Taken Date
05/26/2023 at 09:27 am

Upload Date
05/26/2023 at 09:28 am

Uploaded By
Ray Church

File Name
IMG_2023_05_26_09_27...

5.25.23

Description

Taken Date
05/25/2023 at 11:43 am

Upload Date
05/25/2023 at 11:50 am

Uploaded By
Ray Church

File Name
IMG_2023_05_25_11_43...

Location
Classrooms>108 - 1st Grade

5.25.23

Description

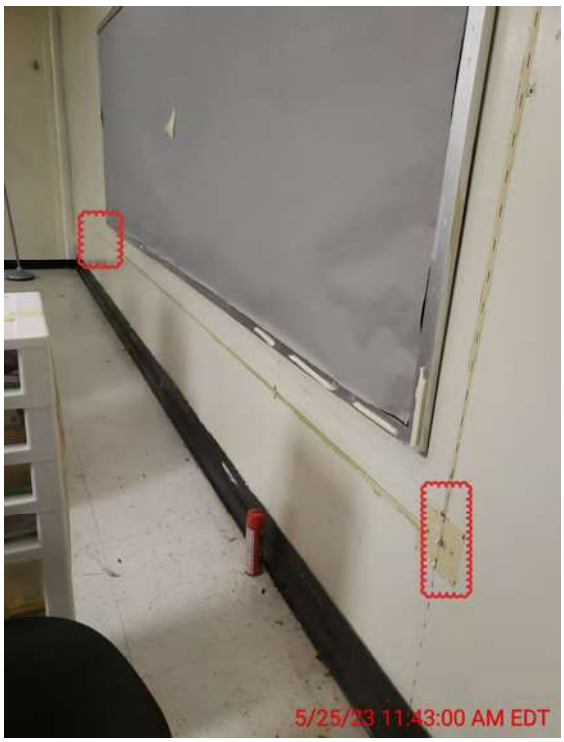
Taken Date
05/25/2023 at 11:43 am

Upload Date
05/25/2023 at 11:46 am

Uploaded By
Ray Church

File Name
IMG_2023_05_25_11_42...

Location
Classrooms>108 - 1st Grade



5.25.23

Description

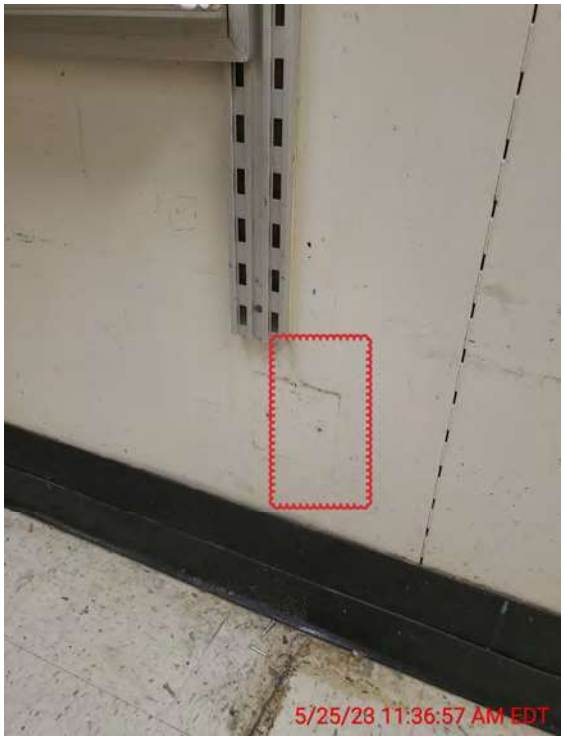
Taken Date
05/25/2023 at 11:36 am

Upload Date
05/25/2023 at 11:40 am

Uploaded By
Ray Church

File Name
IMG_2023_05_25_11_36...

Location
Classrooms>103 - Kindergarten



Electrical Contractor Incorporated
8141-D Technology Drive, Covington, GA 30014
Office: 770-788-8082 ~ Fax: 770-788-9738

CHANGE ORDER PROPOSAL

To:
Centennial
3200 Cobb Galleria Parkway
Atlanta, Ga Suite 210 30339

JOB #: 2214
C.O. PROPOSAL #: 2214-04
DATE: 6/5/2023
JOB: EL Miller Major

PAGE#: 1 OF 1

COST TOTAL: $ 5,549.00

ACCEPTED: [ ] REJECTED: [ ]
COMPLETED: [ ] % BILLED: [ ]

DESCRIPTION:

Per RFI 33, ECI to provide K-2nd grade approximately 18 quadruplex outlets in new walls.

MATERIAL

Qty	Description	Unit Price	Per	Extension
1	material from breakout sheet	1256.79	E	$1,256.79
			E	$0.00
			E	$0.00
			E	$0.00
			E	$0.00
			E	$0.00
			E	$0.00
			E	$0.00
			E	$0.00
			E	$0.00
			E	$0.00
			E	$0.00
			E	$0.00
			E	$0.00
			E	$0.00

Sutotal Material:		$1,256.79
Sales Tax:	8.00%	$100.54
Material Total:		$1,357.33
Total Labor		$3,351.00
Bond Accrue:		$66.48
Administrative:		$50.00
Subtotal:		$4,824.81
Profit:	15%	$723.72
Subtotal:		$5,548.54
Subcontractors:		$0.00
Subcontractor's Profit:		$0.00
GRAND TOTAL:		**$5,548.54**

Labor Rate: $60.00

NOTE: Quote good for 30 days.

	A	B	C	D	E	F	G	H	I
1	Item #	Item Name	Quantity	**Price 1**	U	Ext Price 1	**Bid Lbr**	U	Bid Lbr Ext
2	Label Set: RFI #33					**$1,256.79**			**55.85**
3									
4	CCode: Branch Rough					$776.95			28.58
5		1/2 EMT CONDUIT	360.00	**$55.18**	C	$198.66	**3.00**	C	10.80
6		1/2 EMT CONN S/C	36.00	**$29.47**	C	$10.61	**4.00**	C	1.44
7		1/2 EMT COUPL S/C	70.00	**$34.33**	C	$24.03	**3.00**	C	2.10
8		ECI HILTI ONE HOLE	36.00	**$0.40**	E	$14.40	**3.00**	C	1.08
9		3/4 BOTTOM MTD CONDUIT CLIP	36.00	**$216.60**	C	$77.98	**2.00**	C	0.72
10		4/S BOX 1-1/2" DEEP	1.00	**$163.58**	C	$1.64	**0.60**	E	0.60
11		4/S BOX 2-1/8" DEEP	18.00	**$255.30**	C	$45.95	**0.60**	E	10.80
12		4/S 1-1/4" DEEP 2G MUD RING	18.00	**$2,205.51**	C	$396.99	**5.00**	C	0.90
13		4/S BLANK COVER	1.00	**$69.14**	C	$0.69	**5.00**	C	0.05
14		4/S EXTENSION RING	1.80	**$333.64**	C	$6.01	**5.00**	C	0.09
15	CCode: Hangers/Anchors					$0.42			0.00
16		1/4X1 FEND WASH SS	5.40	**$7.87**	C	$0.42	**0.00**	X	0.00
17	CCode: Trim Devices/Plates					$295.07			15.30
18		2G SS RECP PLATE	18.00	**$684.00**	C	$123.12	**5.00**	C	0.90
19		ECI TAMPER DUPLEX REC	36.00	**$4.50**	E	$162.00	**0.40**	E	14.40
20		10-32 GROUND SCREW	18.00	**$55.27**	C	$9.95	**0.00**	C	0.00
21	CCode: Lugs/Termination/Ground					$26.40			4.03
22		ECI HILTI 20OZ FIRESTOP	0.18	**$29.00**	E	$5.22	**2.00**	E	0.36
23		IDEAL 452 RED WIRE NUT	108.00	**$196.10**	M	$21.18	**34.00**	M	3.67
24	CCode: Branch Wire					$157.95			7.94
25		12 THHN CU SOLID	1,134.00	**$139.29**	M	$157.95	**7.00**	M	7.94
26						**$1,256.79**			**55.85**

Shelton, Tyler

From: Jim Chandler <jimchan330@gmail.com>
Sent: Monday, June 5, 2023 10:39 AM
To: Shelton, Tyler
Subject: Fwd: DCSD E.L. Miller Elementary School MSBR: RE: RFI #33

Follow Up Flag: Follow up
Flag Status: Flagged

Jim Chandler

Begin forwarded message:

> **From:** Jim Chandler <jimchan330@gmail.com>
> **Date:** June 5, 2023 at 9:54:54 AM EDT
> **To:** "Tyler Shelton (Centennial Contractors Enterprises, Inc.)" <notifications@procoretech.com>, Gmail <jimchan330@gmail.com>, Ray Church <RChurch@cce-inc.com>
> **Subject: RE: DCSD E.L. Miller Elementary School MSBR: RE: RFI #33**
>
> Tyler,
>
> As we will need to cut around these NEW in wall electrical outlets via router (*and do our 4 step drywall finishing process around them*) we will have additional labor costs regarding these outlets. Assuming 18 in wall (*in our metal stud framed A6.4 type partitions*) outlets **are** being added , our total labor (only) ***cost add*** is estimated by me as being $18.18 per outlet. After adding 10% allowed markup to our unit cost of $18.18, that comes out to be a total price of ***$20 each***.
>
> **18** added in wall electrical outlets @ **$20 each** = **+ $360**
>
> Tyler, please issue my company, Chandler Interiors, a change order of **+$360** for this added work per **RFI #33**---*at your earliest convenience*.
>
> Thank you, sir.
>
> Jim Chandler
> Chandler Interiors
>
> 6-5
>
> Sent from Mail for Windows
>
> **From:** Tyler Shelton (Centennial Contractors Enterprises, Inc.)
> **Sent:** Friday, June 2, 2023 10:32 AM

To: jimchan330@gmail.com
Subject: DCSD E.L. Miller Elementary School MSBR: RFI #33 has been closed

DCSD E.L. Miller Elementary School MSBR

More details: View online Open In App

RFI #33 - EL Miller ES - Existing Surface Mounted Outlets in K, 1st, & 2nd Grade Areas has been closed.

RFI Details

QUESTION 1

Asked By:	**Ray Church (Centennial Contractors Enterprises, Inc.)**
Date:	**Fri May 26, 2023 at 09:57 am EDT**
Location:	**Classrooms**
Question:	**At walls being demolished per D101 in Rooms 101 thru 115, we have found a total of surface mounted 18 quad plex outlets on the walls that are coming down. Ten in the Kindergarten, six in the 1st grade area & two in the 2nd grade area. Upon inspection, we determined that most of these outlets were used for computers for the kids and other A/V equipment used by the teachers. The current electrical drawings to not identify these outlets being replaced. Since they were mounted on partitions being removed, there was no way to salvage them. Shall new receptacles be installed to replace the receptacles that were mounted on the demolished walls?**
Attachments:	IMG_2023_05_26_09_27_12_880.jpg IMG_2023_05_25_11_42_59_982.jpg IMG_2023_05_25_11_36_56_444.jpg IMG_2023_05_25_11_43_18_859.jpg IMG_2023_05_25_11_42_59_982.jpg

Official Response

Answered By:	**Chantel Coley (NBP Engineers)**

Date:	Fri Jun 2, 2023 at 10:18 am EDT
Response:	NBP Response - Add back the same number of outlets attached to the existing circuits as was removed. Use MC cable inside the new walls down to new flush mounted boxes and receptacles.
Attachments:	RFI 33 - DCSD_E.L.Miller-Existing_Surface_Mounted_Outlets_in_K,_1s_2 NBP response.pdf

All Replies

Answered By:	Chantel Coley (NBP Engineers)
Date:	Fri Jun 2, 2023 at 10:18 am EDT
Response:	NBP Response - Add back the same number of outlets attached to the existing circuits as was removed. Use MC cable inside the new walls down to new flush mounted boxes and receptacles.
Attachments:	RFI 33 - DCSD_E.L.Miller-Existing_Surface_Mounted_Outlets_in_K,_1s_2 NBP response.pdf

Answered By:	Bobby Weiner (CDH Partners)
Date:	Tue May 30, 2023 at 03:06 pm EDT
Response:	I would say they need the outlets that were wall mounted to the demo'd partitions. We did not know they couldn't be re-used. But the electrical engineer will need to revise his plan to show new outlets where the old ones were or note on the plan to provide new outlets where the existing ones were demo'd. And these would need to be in the wall vs surface mounted.
Attachments:	None

ADDITIONAL DETAILS

Project:	DCSD E.L. Miller Elementary School MSBR
Subject:	EL Miller ES - Existing Surface Mounted Outlets in K, 1st, & 2nd Grade Areas

Date Initiated:	05/30/23
Created By:	Ray Church (Centennial Contractors Enterprises, Inc.)
Assigned To:	Weiner, Bobby (CDH Partners) *(response required)* Coley, Chantel (NBP Engineers) *(response required)*
Responsible Contractor:	Centennial Contractors Enterprises, Inc.
Received From:	Ray Church (Centennial Contractors Enterprises, Inc.)
Distribution List:	Cantrell, Melissa (CDH Partners) Chandler, Jim (Chandler Interiors) Church, Ray (Centennial Contractors Enterprises, Inc.) Franklin, Alyssa (CDH Partners) Holbrook, Shane (Electrical Contractor Incorporated) Minton, Charles (Electrical Contractor Incorporated) Rogers, Allan (Electrical Contractor Incorporated)
Schedule Impact:	No
Cost Impact:	Yes (Unknown)
Drawing Number:	D101, ED202, E402

More details: View online Open In App

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DeKalb County School District

POTENTIAL CHANGE ORDER (PCO) REQUEST

School Name:	E.L. Miller ES	Date:	June 19, 2023
Project Name:	GC Services for EL Miller MSBR	Project Number:	354-35
Title:	Eyewash - Rms. 119 and 120	PCO #:	013

Description of Work:

Provide and install two (2) EW1022 deck mounted eyewash/drench hose units. One will be installed in Room 119 and one in Room 120. These are to replace the existing bowl units that cannot be reinstalled in the new countertops. Refernce RFI #31.

A. Subcontractor Cost of the Work

Georgia Institutional Furnishings	$	1,350.00
Able Plumbing	$	800.00
	$	-
	$	-
	$	-
	$	-

Subtotal A: $ 2,150.00

B. CONTRACTOR Fee: (As per Section 11.7.1.2) - 5% subcontractor work

Subtotal B: $ 107.50

C. CONTRACTOR Cost of the Work:

Payroll Costs (See attached supporting documentation.)	$	-
Materials and Equipment (See attached suporting documentation.)	$	-
Consultant Costs (See attached suporting documentation.)	$	-
Self-Performed Costs (See attached suporting documentation.)	$	-

Subtotal C: $ -

D. P&P Bond - 0.4% of Total Subs Cost of Change

Subtotal D: $ 9.07

E. CONTRACTOR Fee: - 10% self performed

Subtotal E: $ -

Total = (A + B + C + D + E) **Total:** $ 2,266.57

☐ **The proposal would** ☐ Increase ☐ Decrease **the Milestones and/or Contract Time by** ____ **calendar days.**

☑ **The proposal does NOT affect the Milestones and/or Contract Time.**

Contractor Signature	Title	Date
	Operation Manager	June 19, 2023

GEORGIA
INSTITUTIONAL FURNISHINGS

DATE: June 14, 2023

TO: Centennial Contractors Enterprises, Inc.

FROM: Georgia Institutional Furnishings

RE: E.L. Miller Elementary School

Tyler,

Our pricing to provide and install two (2) EW1022 Deck Mounted Eyewash/Drench Hose units in Rooms 119 and 120 is **$1,350.00 installed.** Plumbing connection by others.

Breakdown as follows:

Materials	$1,050.00
10% Profit	$105.00
Sub Total	$1,155.00
8% Sales Tax	$92.40
Sub Total with Tax	**$1247.40**
Installation	$93.00
10% Profit	$9.30
Sub Total	**$102.30**
Grand Total	**$1,349.70**
	Rounded to: $1,350.00

Quote is valid for 30 days.

Please send a change order if we are to proceed.

Tony Teasley

103 Gardner Park
Peachtree City, GA 30269
Phone 770-486-6431
Fax 770-486-6432

ABLE PLUMBING CO., INC.

85 Rolling Rd.

Social Circle, GA 30025

June 19, 2023

Centennial Contractors

ATTN: Tyler

Ref; Change Order for E.L. Miller E.S.

Change order to connect 2 emergency eye wash/drench hose units to the hot/cold water lines thru a mixing valve

Total price - $800.00

Melvin C. Atha

Able Plumbing Co., Inc.

CENTENNIAL
A BILFINGER COMPANY

SE Region
3351 Wrightsboro Road, Suite 403
Augusta, Georgia 30909
P: (706) 723-5527
F: (770) 613-2992

Project: 73150-0120 DCSD E.L. Miller Elementary School MSBR
919 Martin Road
Stone Mountain, Georgia 30088

RFI #31: EL Miller ES - Existing Eye Wash in Rooms 119 and 120

Status	Closed on 06/14/23		
To	Andrew Savage (CDH Partners) Ryan Fernandez (DeKalb County School System)	**From**	Ray Church (Centennial Contractors Enterprises, Inc.) 3351 Wrightsboro Road, Suite 403 Augusta, Georgia 30909
Date Initiated	May 30, 2023	**Due Date**	Jun 2, 2023
Location	Classrooms>119 - 5th Grade	**Project Stage**	Course of Construction
Cost Impact	TBD	**Schedule Impact**	No
Spec Section	22 0002 - PLUMBING SPECIFICATIONS	**Cost Code**	22000 - Plumbing
Drawing Number	PD201/P201	**Reference**	
Linked Drawings	P201		
Received From	Ray Church (Centennial Contractors Enterprises, Inc.)		
Copies To	Melvin Atha (Able Plumbing Company, Inc.), Melissa Cantrell (CDH Partners), Ray Church (Centennial Contractors Enterprises, Inc.), Alyssa Franklin (CDH Partners), Tony Teasley (Georgia Institutional Furnishings), Bobby Weiner (CDH Partners)		

Activity

Question

Question from Ray Church Centennial Contractors Enterprises, Inc. *on Tuesday, May 30, 2023 at 07:24 AM EDT*

In Rooms 119 and 120, there are existing eye wash stations at the sinks. These are not shown in any of the demo or plumbing drawings. Are we to re-use these eye wash stations, or are we to dispose them? See photos attached.

Attachments
IMG_2023_05_30_07_15_52_258.jpg, IMG_2023_05_30_07_17_10_839.jpg

Official Response

Response from Tyler Shelton Centennial Contractors Enterprises, Inc. *on Wednesday, Jun 14, 2023 at 08:51 AM EDT*

Per Ryan Fernandez on June 14, 2023 e-mail, we are to proceed with the Watersaver EW1022 in Rms. 119 and 120. One in each room.

Attachments
RE_ _EXTERNAL_EL Miller ES - RFI #31.msg

All Replies

Response from Tyler Shelton Centennial Contractors Enterprises, Inc. *on Wednesday, Jun 14, 2023 at 08:51 AM EDT*

Per Ryan Fernandez on June 14, 2023 e-mail, we are to proceed with the Watersaver EW1022 in Rms. 119 and 120. One in each room.

Attachments
RE_ _EXTERNAL_EL Miller ES - RFI #31.msg

Response from Tyler Shelton Centennial Contractors Enterprises, Inc. *on Tuesday, Jun 6, 2023 at 03:20 PM EDT*

We are unable to modify the countertops at this late a stage to remove and reinstall the old eye wash stations due to the size of the hole that would need to be cut in the countertop. Casework installer recommends installing a WaterSaver EW1022. Link attached. These would add approximately $675 per location for the eye wash and an additional $400 for the tempered water to each location. Total cost for two locations will be approx. $2,300 after GC fees.

Attachments
EW1022.pdf

Response from Tyler Shelton Centennial Contractors Enterprises, Inc. *on Friday, Jun 2, 2023 at 10:49 AM EDT*

Per Ryan Fernandez on June 2nd, we are to remove and reinstall the existing eye washes in these rooms.

Response from Bobby Weiner CDH Partners *on Tuesday, May 30, 2023 at 03:02 PM EDT*

Please ask the DCSD if they want the Eye Wash stations or to dispose of them. If they do not want to re-use them, then they can be turned over to the owner or disposed of. Verify with DCSD.

☐ **EW1022** Eyewash/Drench Hose Unit, Deck Mounted
☐ **EW1022BP** Eyewash/Drench Hose Unit, Deck Mounted, with Backflow Preventer

Application: Dual purpose eyewash/drench hose for deck mounting. Unit meets the provisions of ANSI Z358.1-2014 as both an eyewash and a drench hose. Unit may be left in the deck flange for use as a fixed eyewash, leaving user's hands free. Alternatively, unit may be removed for use as a drench hose to rinse any part of user's eyes, face or body.

Spray Head Assembly: Two GS-Plus™ spray heads mounted side-by-side. Each head has a "flip top" dust cover, internal flow control and filter to remove impurities from the water flow.

Valve: Forged brass squeeze valve activated by stainless steel lever handle. Valve has replaceable stainless steel seat for exceptional durability. Locking clip engages when handle is depressed, providing "hands free" operation. Valve stays open until locking clip is released.

Hose: 8' reinforced PVC hose. 275 PSI maximum working pressure.

Mounting: Deck flange for countertop mounting. Flange has handle locator guide to position spray heads and handle facing forward at all times.

Backflow Preventer: In-line dual check backflow preventer installed on inlet of hose (EW1022BP only). ASSE 1024 Listed. *Note: Check with code authority for compliance with local plumbing code.*

Supply: 3/8" NPT male swivel-type inlet.

Sign: ANSI-compliant identification sign.

Quality Assurance: Unit is completely assembled and water tested prior to shipment.

Available Options

☐ **FSH** 8 ft. flexible stainless steel hose in place of PVC hose.

☐ **HG** Undercounter hose guide bracket to prevent hose from tangling or binding.

☐ **VB** In-line vacuum breaker for installation between valve and spray head.

☐ **AP3600** Thermostatic mixing valve precisely blends hot and cold water to deliver warm (tepid) water as required by ANSI Z358.1-2014. Refer to "Tempering Valves" section for complete technical and product selection information.

WaterSaver Faucet Co.
701 W Erie St
Chicago, IL 60654

312 666 5500 TELEPHONE
312 666 5501 FACSIMILE
wsflab.com

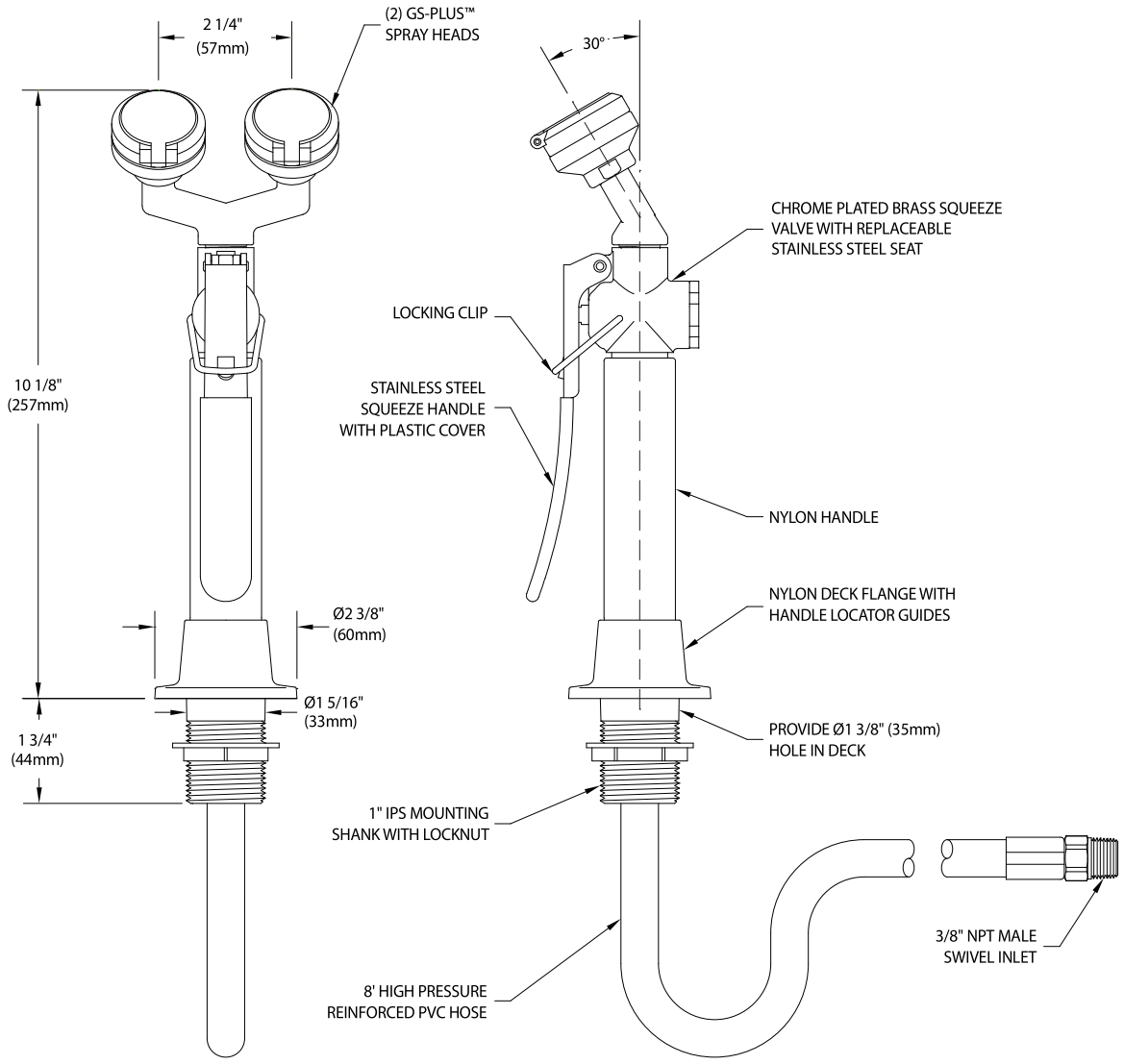
Listed 8116. Units have been tested to and comply with ANSI Z358.1-2014 and the Uniform Plumbing Code.

WaterSaver

Eyewash / Drench Hose Units

☐ **EW1022** Eyewash/Drench Hose Unit, Deck Mounted

☐ **EW1022BP** Eyewash/Drench Hose Unit, Deck Mounted, with Backflow Preventer



NOTES:

1. EACH GS-PLUS™ SPRAY HEAD HAS A "FLIP-TOP" DUST COVER, INTERNAL FLOW CONTROL AND FILTER TO REMOVE IMPURITIES FROM THE WATER FLOW.
2. HOSE SHOULD NOT BE USED IN APPLICATIONS WHERE WATER PRESSURE EXCEEDS 90 PSI. HOSE SHOULD BE INSPECTED PERIODICALLY FOR DETERIORATION.

REV. 071717

THIS SPACE FOR ARCHITECT/ENGINEER APPROVAL

Sign Included

Due to continuing product improvement, the information contained in this document is subject to change without notice. All dimensions are ± 1/4" (6mm). Rev. 050219

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5/30/23 7:17:12 AM EDT

5/30/23 7:15:53 AM EDT