THE SCHOOL DISTRICT OF PHILADELPHIA
SCHOOL REFORM COMMISSION
Office of Capital Programs
440 North Broad Street, 3rd Floor – Suite 371
Philadelphia, PA 19130

TELEPHONE: (215) 400-4730

Addendum No. 1

Subject: The School District of Philadelphia
Contracts No. B-003C, B-004C, and B-024C of 2016/7

Location: JB Kelly Elementary School, 5116 Pulaski Avenue, Philadelphia, PA 19144

This Addendum, dated May 3, 2018, shall modify and become part of the Contract Documents for the work of this project. Any items not mentioned herein, or affected by, shall be performed strictly in accordance with the original documents.

NOTE: COMPLETION DATES HAVE BEEN SUBSTANTIALLY ADVANCED

1. Section 01 1300 TIME OF COMPLETION, etc.

1.2 TIME OF COMPLETION

A. Revise Substantial Completion Date to AUGUST 20, 2018

B. Revise Final Completion Date to OCTOBER 1, 2018

RFI'S:

1. RFI #1: The specifications make reference to reviewing section 011700 and 011735 for Environmental Remediation and an Asbestos Abatement Specification. Only a cover page appears to have been included for section 011735, referencing a report by Synertech Incorporated. No report or further requirements were included. At the pre-bid meeting it was stated that the only abatement that the Mechanical Contractor would be responsible for is 20 sq/ft of floor tile/ per unit ventilator. Please confirm that no other asbestos abatement will be required of the Mechanical Contractor. Please also confirm that all existing pipe and fitting insulation has been tested and confirmed to be free of asbestos. Many Mechanical Contractor's insurance carriers would not allow their involvement with friable asbestos remediation even if subcontracted through a licensed asbestos remediation contractor. It would probably be most economical and in everyone's best interest if asbestos remediation was handled directly by the School District.

- Response: Attached are the Asbestos Inspection Report and the Abatement Technical Specification which were inadvertently omitted from the Bidding and contract documents

2. RFI #2- Drawing M1.0, section J states the following:

> J. EXISTING EQUIPMENT AND MATERIALS
>
> 1. WHERE EXISTING EQUIPMENT IS INDICATED TO REMAIN, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FOLLOWING:
>
> – VERIFY ALL NAMEPLATE DATA MEETS THE DESIGN
> – INSPECT EQUIPMENT FOR DEFICIENCIES
> – FULLY SERVICE ALL COMPONENTS TO A LIKE NEW CONDITION
> – REPORT ALL DEFICIENCIES TO OWNER

The existing boilers, chiller, cooling tower, etc. remain untouched under the current bid scope. Their condition is unknown and no information regarding this existing equipment was included in the bid documents, making it difficult, if not impossible to quantify for the bid. The vagueness and broadness of this note could be severely misinterpreted leading to future disputes as to a fair expectation what scope is owned. One could question if equipment as complicated as a chiller, that is possibly many decades old, could even be restored to "like new condition." It would seem that the most reasonable option would be to delete this requirement from the documents. If this note is to remain as part of the bid documents, then please quantify the work that is expected to be performed. Please also furnish detailed information for the existing equipment along with service records.

- Response: This section of notes will be removed. Existing equipment not being replaced under this contract is existing to remain as-is.

3. RFI #3: Piping is shown to be replaced in the masonry chases. One common occurrence of this is the dual temp piping to the unit ventilators. Although PEX has some flexibility to it, piping sizes ¾" and 1" are semi-rigid at best. Installing this piping will be a challenge without full access behind the wall, leading to the question of how insulation can be applied to the piping in these wall cavities. Will insulation of the PEX pipe and fittings that are concealed in the chase be required?
   - Response: The preference would be to have the entire pipe insulated. However, insulation within the chases may be omitted if existing structural conditions prohibit the access to install.

4. RFI #4: What trade is responsible for removing the large walk in box in the Kitchen area?
   - Response: The General Contractor.

5. RFI #5: It would appear that a large portion of the work throughout the building will be performed over the summer break. Will the school building be used for any purposes over the Summer 2018, and Summer 2019 periods? If yes, please define what periods this will occur and provide information on what work restrictions contractors can expect as a result.
   - No school programs are scheduled for Summer 2018. NOTE: **Substantial Completion Date has been advanced to August 20, 2018 and Final Completion to October 1, 2018**

6. RFI #6: It is our understanding from the pre-bid meeting that contractors will be allowed to work during off hours throughout the school year. Please confirm that it is acceptable to work from 3:00PM-11:30 PM, Monday through Friday, during the school year.
   - Response: See Section 01 1400 MODIFICATIONS TO THE GENERAL AND SUPPLEMENTARY CONDITIONS for modifications to Supplementary Conditions SC-18 HOURS OF WORK.
   - See also NOTE included in Section 01 1300 TIME OFCOMPLETION, etc. on Page 2.

7. RFI #7**:** Will the contractor be responsible to pay for any costs associated with gaining access to the building for off-hour work?
   - Response: Yes; See Supplementary Conditions, SC-18 HOURS OF WORK, Paragraph 18.4

8. RFI #8: Are there any phasing requirements for this project, especially relating to the replacement of the Unit Ventilators? It was discussed at the pre-bid meeting that the contractors have the option of replacing unit ventilators during the school year, as long as one unit ventilator is operational per classroom for mild seasons, and all unit ventilators are operational during peak seasons. Due to the flooring abatement it would not be possible to fully replace a unit ventilator and have it operation in one night's time, thus requiring one unit ventilator per classroom to be taken out of service for a number of days.
   - Response: Since Substantial Completion has been moved up to **August 20, 2018**, the question has become moot.

9. RFI #9: Section 4.15.8 of the General Conditions call for the Lead Prime Contractor to "remove snow from the Project site as directed to permit safe access throughout…". Although we can understand this section being applicable for new construction, we request clarification to confirm that it is not applicable to this project, since the school is operational. Minimal construction work, if any, would be occurring during these winter periods, while the school itself would be fully operational. It is our understanding that the School District would handle snow removal as needed for school operations, without charge to the Contractor. Please confirm.
   - Confirmed.

10. RFI #10: Section 5.15.11 of the General Conditions call for the Lead Prime Contractor to "completely clean the entire project…". It is our understanding that the responsibility of the Lead Prime Contractor would be limited to cleaning, sealing, and/or waxing surfaces that were damaged or made dirty by construction activities. Please confirm.
    - Response: Confirmed

11. RFI #11: Section 011000 Summary of Work- 1.5-C-6 calls for the Mechanical Contractor to "Clean existing ductwork to remain and provide new louvers, ductwork, dampers, fans, and accessories." It is our understanding that the extent of new "louvers, ductwork, dampers, fans, and accessories" is further defined as specifically called for on the Mechanical Plans. As an example of this, the mechanical plans show the Unit Ventilator louvers to remain in place and be cleaned. The drawings do not call for Unit Ventilator louvers to be replaced. Please confirm if these louvers are to actually be replaced as we assume that the scope of this general note is further defined by the plans.
    - Response: Unit ventilator louvers are to remain as indicated on the plans. The scope of this general note is a summary and is further defined on the plans.

12. RFI #12: Section 011000 Summary of Work- 1.7 has a note regarding the demolition of the existing steam to hot water heat exchanges and associated heating equipment. There is also reference to the Mechanical Contractor possibly being responsible for a rental boiler trailer, fuel, permitting, etc. The scope of this project does not involve any work on the existing boilers. It is our understanding that this section is therefore not applicable to the scope of this project, absolving the contractor of the requirements of this note. Please advise if this note is still applicable and in what regard the contractor is responsible for the existing boilers that are not in the project scope.
    - Response: Temporary Heating provisions do not apply.

13. RFI #13: Are the existing buckets in Motor Starter Panelboards MCPA, MCP and MCPB required be removed and sent out to be re-built for new over current protection?
    - Response: Electrical Contractor shall remove only indicated buckets on design drawings required for new overcurrent protection. All new equipment shall maintain all necessary UL listings. Provide submittals/shop drawings for approval.

14. RFI #14: Please note that there is no ACM report - page 287 refers to the AIR - then the next page is section 01 1200. Then Page 296 The Asbestos spec report lists a 48 page report by Synertec - but the next page is section 01 1800. Please advise if there is ACM to be abated for this project.
    - Response: See attached Asbestos Inspection Report and Abatement technical Specifications

15. Bidder submitted Request for substitution

    Response. Requests for substitution are not considered during bidding period. See GC-4.23 SUBSTITUTIOS (OR EQUAL) for procedures

CLARIFICATIONS:

1. Unit Ventilators should be purchased with the following options:
    - Classroom units to include custom length end panels so that overall unit length fits between walls. Installing contractor to field cut panels as needed for piping.
    - Ventilation rates were calculated with IAQ procedure. All units to include factory installed plasma air device. Devices powered through unit.
    - Include factory piping package with ball valves, circuit setter w/pt, strainer. 2-way changeover modulating valve. Insulation for the piping packages is field provided by installing contractor.
    - Piping and control end pockets will be a min of 12" wide to facilitate piping, auxiliary drain pan and servicing.
    - Units are 21.25" depth and include an insulated sheet metal back.
    - Units to have a blow-through design for freeze protection, sound attenuation, and safety considerations.
    - Classroom units to have economizer capability. CO2 sensor provided for demand control ventilation.

- Include factory mounted DDC controller with wireless communication capability to connect to a self-healing mesh network.
- One wireless temp sensors to control two classroom units. See plans for sensor locations. Both units shall operate at the lowest airflow setting required.
- Include corrosion resistant dual sloped drain pan. Drain pan will be removable for cleaning.
- ECM motors provided for variable speed operation. ECM controls to include fan status monitoring system to alert BAS to a fail condition.
- Include 1" throwaway filters.
- Include 4" subbase.

2. Demolition of the Kitchen Walk-in Box shall be by the General Contractor. Included shall be furnishing and installing ceramic floor tile at the walk-in box foot print. Tile shall match existing Kitchen floor tile.

3. Controls for all units shall be stand alone as indicated on plans. A Building-wide controls system is not existing and not part of this project.

-END OF ADDENDUM NO. 1-

Attachments:

Asbestos Inspection Report, 22 pages
Asbestos Technical Specifications, 48 pages

City of Philadelphia - Department of Public Health
Air Management Services, 2nd Fl. Asbestos Control Unit
321 University Ave. Philadelphia, PA 19104

Asbestos Inspection Report

Office Use Only	Date Received L&I:	Date Received AMS:
	Date Inspected	Inspector No.

1. Name of Building / Property: John B. Kelly Elementary School
Address: 5116 Pulaski Avenue, Philadelphia, PA 19144

2. Name of Building / Property Owner: School District of Philadelphia
Address: 440 North Broad Street, Philadelphia, PA 19130
Phone No.: 215-400-4750

3. Name of Philadelphia Certified Investigator: Bernard J. Bryson
Certification No.: 0437
Contact Information / Email / Phone No.: 215-755-2305

L&I Commercial Activity No. (Former Business Privilege License No.): H-31804
Business Tax ID No.: 559-2027

4. Name of Philadelphia Licensed Laboratory: N/A
License No.
Phone No.

5. Scope of Work: (Insert or attach a complete description of the portion of the subject property inspected and the anticipated work that will result in the disturbance of the identified Asbestos Containing Materials (ACMs) (e.g. demolition, asbestos abatement, and / or renovation activities.)

Mechanical Plant Heating/Ventilation/Air Conditioning Replacement throughout the Building
5A. A review of the SDP Design Drawings was performed? Yes (100% Review Issue drawing set)
Bid Number: MC-B-004C of 2017/2018, EC-B-024C of 2017/2018, GC-B-003C of 2017/2018
Drawing Number(s): All Mechanical and Electrical Drawings (47 drawing set)
Drawing Date: 2/13/2018
Synertech Project No. 010-4323

6. ☐ Property has been declared to be in imminent danger (ID) of failure or collapse by the City of Philadelphia Department of Licenses & Inspections. Attached is a copy of the L&I Notice of Violation declaring the property I.D. **Note: INVESTIGATOR MUST BE ON SITE DURING DEMOLITION!

7. (ACMs) identified? ☑ Yes (List Below) ☐ No (explain) All bulk sampling data was obtained from the school's AHERA Management Plan

8. Suspected ACM's sampled? ☐ Yes (attached are copies of the laboratory chain of custody and bulk sample results.) ☑ No (Why?)

9. List all identified ACM's located in the planned renovation/demolition areas. Damaged ACM must be listed and then repaired or removed prior to renovation. You (Investigator) must label all ACM that may be left in the work area. (Attached are add'tl sheets)

Location	Description	Type (Code 1)	Amount Square	Amount Linear	Condition (Code 2)	Action (Code 3)
Section 9 begins on Page 2						

Code 1
FRI - Friable
NF1 - Non-Friable, Cat. 1
NF2 - Non-Friable, Cat. 2

Code 2
DD - Deteriorated or Delaminated
ND - Non-Damaged

Code 3
REM - Removal necessary prior to Demo/Reno
NRN - No removal necessary, label ACM
REP - Repair & Label ACM, removal not necessary

10. I hereby certify that the foregoing statements are true and the information contained in this report is true. This certification is made subject to the penalties set forth in 18 PA. C.S. S4904 relating to unsworn falsification to authorities. Furthermore I certify that the inspection, sampling, and labeling requirements of section X of the Asbestos Control Regulation (ACR) have been met. The building owner has been notified of the ACR requirements and given a copy of this report. If the inspection has revealed ACM which will be disturbed by the proposed work or if it has revealed ACM in bad condition, the building owner has been notified to remove or repair the ACM in accordance with the ACR prior to renovation or demolition activity.

11. Signature of Certified Asbestos Investigator:	Date:	Signature of Building Owner:	Date:
Bernard J Bryson	3/16/2018		

School District of Philadelphia

Asbestos Inspection Report - Section 9

John B. Kelly Elementary School (6470)

5116 Pulaski Avenue, 19144

Prepared by: Bernard J. Bryson

Certification # 0437 Date: 3/16/2018

Mechanical Plant Replacement Project

Survey Type

_____ 6 Month Surveillance

_____ Three- Year Reinspection IX

_____ AIR/EIE

__X__ **Asbestos Abatement Activity**

_____ Bulk Sampling Event

Bid Number: MC-B-004C of 2017/2018, EC-B-024C of 2017/2018, GC-B-003C of 2017/2018

Floor	*Space # (on Floor Plan)*	*Onsite Room Name*	*Material Description*	*Confirmed, Assumed, NAD, Non Suspect ACM*	*Type (Code 1)*	*Amount of Material*	*SF/LF/EA*	*Condition (Code 2)*	*Action (Code 3)*	*Comments/Description/Notes*
CS	C	No Crawlspaces Identified	x	x	x	x	x	x	x	
R	R	Roof	Roof (field and flashing)	Assumed	NF1	Q/U	SF	ND	NRN	
T	TH-OUT	Throughout Building	Interior Caulks and glazings (window, expansion seam, door, etc.)	Assumed	NF2	Q/U	LF	ND	NRN	
T	TH-OUT	Throughout Building	Exterior Caulks and glazings (window, expansion seam, door, etc.)	Assumed	NF2	Q/U	LF	ND	NRN	
T	TH-OUT	Throughout Building	Fire Doors	Assumed	NF2	134	EA	ND	NRN	
T	TH-OUT	Throughout Building	Glue Dots behind Black Boards/Tack Boards (assumed present)	Assumed	NF1	Q/U	SF	ND	NRN	
T	TH-OUT	Throughout Building	Pipe Fitting Insulation	Confirmed in the Basement and 2nd Floor; Assumed on the 1st Floor	FRI	Q/U	EA	ND	**REM**	**Remove all exposed and/or concealed ACPFs associated with the Cold/Hot Water Supply/Return Piping Scheduled for Replacement**
T	TH-OUT	Throughout Building	Floor Tile VAT 12" x 12"	Confirmed	NF1	20 SF at each UV Location	SF	ND	**REM**	**Remove at Unit-Ventilator Locations Indicated on the Mechanical Demolition Drawings and Schedules - Asbestos-Containing Floor Tile must be receive proper disposal (asbestos-containing mastic residue on concrete floor surfaces shall remain)**
T	TH-OUT	Throughout Building	Wire Insulation	Assumed	NF2	5 LF inside each of 16 Panels	x	ND	**REM**	**5 LF of White Woven Wire Insulation assumed within all Wall Mounted Electric Panels - Remove at Locations Indicated on the Mechanical Demolition Drawings and Schedules**
B	001	Electrical Room	Vibration Damper Cloth	Non Suspect ACM	x	5	SF	x	x	Black Vinyl Flexible Duct Connector
B	002	Boiler Room	Pipe Fitting Insulation	Confirmed	FRI	143	EA	ND	NRN	**There is a conglomerate of hard asbestos-containing pipe fitting insulation (ACPFs) and fiberglass pipe fitting insulation throughout the Boiler Room - It is visually impossible to discern between the two types**
B	002	Boiler Room	Pipe Fitting Insulation	Confirmed	FRI	Q/U	EA	ND	**REM**	**Remove any ACPFs associated with the Cold/Hot Water Supply/Return Piping Scheduled for Demolition**
B	002	Boiler Room	Fiberglass Pipe Insulation	Non Suspect ACM	x	350	LF	DD	**REM**	**Remove all Fiberglass Pipe Insulation applied to Cold and Hot Water Supply/Return Piping shown to be demolished on Drawing MD1.4**
B	002	Boiler Room	Fiberglass Pipe Fitting Insulation	Non Suspect ACM	x	60	EA	DD	**REM**	**Remove all Fiberglass Pipe Fitting Insulation applied to Cold and Hot Water Supply/Return Piping shown to be demolished on Drawing MD1.4**
B	002	Boiler Room	Fiberglass Pipe Insulation	Non Suspect ACM	x	350	LF	x	x	All Fiberglass Pipe Insulation applied to anything other than Cold and Hot Water Supply/Return Piping is scheduled to remain
	002	Boiler Room	Sectional Boilers	Assumed	NF2/FRI	2	EA	ND	NRN	2 Sectional Boilers; All internal materials assumed ACM - No impact anticipated by this project
B	002	Boiler Room	Boiler Breeching	Confirmed	FRI	200	SF	ND	NRN	Behind the 2 Sectional Boilers
B	002	Boiler Room	Tank Insulation	Confirmed	FRI	125	SF	ND	NRN	1 Tank
B	003	Building Engineer's Office	Concrete Ceiling	Non Suspect ACM	x	135	SF	x	x	
B	003	Building Engineer's Office	Concrete Wall	Non Suspect ACM	x	190	SF	x	x	
B	003	Building Engineer's Office	Concrete Block Wall	Non Suspect ACM	x	300	SF	x	x	
B	003	Building Engineer's Office	Floor Tile VAT 12" x 12"	Assumed	NF1	135	SF	ND	NRN	
B	003	Building Engineer's Office	Cement Floor	Non Suspect ACM	x	135	SF	x	x	
B	003A	Building Engineer's Office Restroom	Concrete Ceiling	Non Suspect ACM	x	48	SF	x	x	
B	003A	Building Engineer's Office Restroom	Concrete Wall	Non Suspect ACM	x	65	SF	x	x	
B	003A	Building Engineer's Office Restroom	Concrete Block Wall	Non Suspect ACM	x	245	SF	x	x	
B	003A	Building Engineer's Office Restroom	Cement Floor	Non Suspect ACM	x	48	SF	x	x	
B	004	Staff Locker Room	Pipe Fitting Insulation	Confirmed	FRI	3	EA	ND	NRN	
B	004	Staff Locker Room	Fiberglass Pipe Insulation	Non Suspect ACM	x	8	LF	x	x	
B	004	Staff Locker Room	Concrete Ceiling	Non Suspect ACM	x	100	SF	x	x	
B	004	Staff Locker Room	Concrete Wall	Non Suspect ACM	x	135	SF	x	x	
B	004	Staff Locker Room	Concrete Block Wall	Non Suspect ACM	x	310	SF	x	x	
B	004	Staff Locker Room	Floor Tile VAT 12" x 12"	Assumed	NF1	100	SF	ND	NRN	
B	004	Staff Locker Room	Cement Floor	Non Suspect ACM	x	100	SF	x	x	
B	004A	Staff Locker Room Restroom	Pipe Fitting Insulation	Confirmed	FRI	8	EA	ND	NRN	
B	004A	Staff Locker Room Restroom	Fiberglass Pipe Insulation	Non Suspect ACM	x	27	LF	x	x	
B	004A	Staff Locker Room Restroom	Concrete Ceiling	Non Suspect ACM	x	35	SF	x	x	
B	004A	Staff Locker Room Restroom	Concrete Wall	Non Suspect ACM	x	45	SF	x	x	
B	004A	Staff Locker Room Restroom	Concrete Block Wall	Non Suspect ACM	x	220	SF	x	x	
B	004A	Staff Locker Room Restroom	Cement Floor	Non Suspect ACM	x	35	SF	x	x	
B	S01	Stairwell from 1st Floor to Boiler Room	Pipe Fitting Insulation	Confirmed	FRI	4	EA	ND	**REM**	**3 of the 4 ACPFs are packed into the CMU Block Wall**
B	S01	Stairwell from 1st Floor to Boiler Room	Fiberglass Pipe Insulation	Non Suspect ACM	x	30	LF	x	x	
B	S01	Stairwell from 1st Floor to Boiler Room	Concrete Ceiling	Non Suspect ACM	x	155	SF	x	x	
B	S01	Stairwell from 1st Floor to Boiler Room	Concrete Wall	Non Suspect ACM	x	360	SF	x	x	
B	S01	Stairwell from 1st Floor to Boiler Room	Concrete Block Wall	Non Suspect ACM	x	540	SF	x	x	
B	S01	Stairwell from 1st Floor to Boiler Room	Cement Floor	Non Suspect ACM	x	155	SF	x	x	
1	K1	Classroom K-1	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	1155	SF	x	x	
1	K1	Classroom K-1	Concrete Ceiling	Non Suspect ACM	x	1155	SF	x	x	
1	K1	Classroom K-1	Concrete Block Wall	Non Suspect ACM	x	1360	SF	x	x	
1	K1	Classroom K-1	Transite	Confirmed	NF2	26	SF	ND	NRN	Panels around Door to Hallway. Panels face both the classroom and hallway. Quantity is included in the classroom only.
1	K1	Classroom K-1	Floor Tile VAT 12" x 12"	Assumed	NF1	578	SF	ND	NRN	Possible Double Layer
1	K1	Classroom K-1	Floor Tile VAT 12" x 12"	Assumed	NF1	578	SF	ND	NRN	

School District of Philadelphia

Asbestos Inspection Report - Section 9

John B. Kelly Elementary School (6470)

5116 Pulaski Avenue, 19144

Prepared by: Bernard J. Bryson

Certification # 0437 Date: 3/16/2018

Mechanical Plant Replacement Project

Survey Type

_____ 6 Month Surveillance

_____ Three- Year Reinspection IX

_____ AIR/EIE

__X__ **Asbestos Abatement Activity**

_____ Bulk Sampling Event

Bid Number: MC-B-004C of 2017/2018, EC-B-024C of 2017/2018, GC-B-003C of 2017/2018

Floor	*Space # (on Floor Plan)*	*Onsite Room Name*	*Material Description*	*Confirmed, Assumed, NAD, Non Suspect ACM*	*Type (Code 1)*	*Amount of Material*	*SF/LF/EA*	*Condition (Code 2)*	*Action (Code 3)*	*Comments/Description/Notes*
1	K1	Classroom K-1	Cement Floor	Non Suspect ACM	x	1155	SF	x	x	
1	K1	Classroom K-1	Blackboard Glue Dots	Assumed		130	SF	ND	NRN	
1	K1	Classroom K-1	Sink Undercoat Mastic	Assumed	NF2	6	SF	ND	NRN	Black
1	011K	Classroom K-1 Restroom	Fiberglass Pipe Insulation	Confirmed	FRI	10	LF	ND	NRN	Material has Asbestos Textured Paint on the Outside and Must be Treated as ACM
1	011K	Classroom K-1 Restroom	Concrete Ceiling	Non Suspect ACM	x	50	SF	x	x	
1	011K	Classroom K-1 Restroom	Concrete Block Wall	Non Suspect ACM	x	300	SF	x	x	
1	011K	Classroom K-1 Restroom	Transite	Confirmed	NF2	24	SF	ND	NRN	Panels around Door. Damage has been painted over. Panels face both the restroom and classroom. Quantity is included in the restroom only.
1	011K	Classroom K-1 Restroom	Cement Floor	Non Suspect ACM	x	50	SF	x	x	
1	011K	Classroom K-1 Restroom	Textured Ceiling Paint	Confirmed	FRI	125	SF	ND	NRN	Material is also on Fiberglass Pipe Insulation, Metal Duct, and Bare Pipe near the Ceiling
1	025K	Classroom K-1 Closet	Fiberglass Pipe Insulation	Confirmed	FRI	28	LF	ND	NRN	Material has Asbestos Textured Paint on the Outside and Must be Treated as ACM
1	025K	Classroom K-1 Closet	Concrete Ceiling	Non Suspect ACM	x	80	SF	x	x	
1	025K	Classroom K-1 Closet	Concrete Block Wall	Non Suspect ACM	x	435	SF	x	x	
1	025K	Classroom K-1 Closet	Floor Tile VAT 12" x 12"	Assumed	NF1	80	SF	ND	NRN	
1	025K	Classroom K-1 Closet	Cement Floor	Non Suspect ACM	x	80	SF	x	x	
1	025K	Classroom K-1 Closet	Textured Ceiling Paint	Confirmed	FRI	200	SF	ND	NRN	Material is also on Fiberglass Pipe Insulation and Metal Duct near the Ceiling
1	K1A	Vestibule between Classroom K-1 and Exterior Entrance	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	80	SF	x	x	
1	K1A	Vestibule between Classroom K-1 and Exterior Entrance	Concrete Ceiling	Non Suspect ACM	x	80	SF	x	x	
1	K1A	Vestibule between Classroom K-1 and Exterior Entrance	Concrete Block Wall	Non Suspect ACM	x	200	SF	x	x	
1	K1A	Vestibule between Classroom K-1 and Exterior Entrance	Transite	Confirmed	NF2	68	SF	ND	NRN	Panels around Door and above and below Glass Windows. Most of the damage has been painted over. Panels face both the vestibule and classroom. Quantity is included in the vestibule only.
1	K1A	Vestibule between Classroom K-1 and Exterior Entrance	Floor Tile VAT 12" x 12"	Assumed	NF1	80	SF	ND	NRN	
1	K1A	Vestibule between Classroom K-1 and Exterior Entrance	Cement Floor	Non Suspect ACM	x	80	SF	x	x	
1	023K	Closet between Classrooms K-1 & K-2	Concrete Ceiling	Non Suspect ACM	x	176	SF	x	x	
1	023K	Closet between Classrooms K-1 & K-2	Concrete Block Wall	Non Suspect ACM	x	720	SF	x	x	
1	023K	Closet between Classrooms K-1 & K-2	Floor Tile VAT 12" x 12"	Assumed	NF1	176	SF	ND	NRN	
1	023K	Closet between Classrooms K-1 & K-2	Cement Floor	Non Suspect ACM	x	176	SF	x	x	
1	023K	Closet between Classrooms K-1 & K-2	Textured Ceiling Paint	Confirmed	FRI	400	SF	ND	**REM**	**Material is also on Metal Ductwork, Hangers, Saddles, Copper Tubing and Conduit**
1	K2	Classroom K-2	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	1155	SF	x	x	
1	K2	Classroom K-2	Concrete Ceiling	Non Suspect ACM	x	1155	SF	x	x	
1	K2	Classroom K-2	Concrete Block Wall	Non Suspect ACM	x	1360	SF	x	x	
1	K2	Classroom K-2	Transite	Confirmed	NF2	20	SF	ND	NRN	Panel above Door to Hallway. Panels face both the classroom and hallway. Quantity is included in the classroom only.
1	K2	Classroom K-2	Floor Tile VAT 12" x 12"	Assumed	NF1	578	SF	ND	NRN	Newer White Tile. Possible Double Layer
1	K2	Classroom K-2	Floor Tile VAT 12" x 12"	Assumed	NF1	578	SF	ND	NRN	Older White Tile
1	K2	Classroom K-2	Cement Floor	Non Suspect ACM	x	1155	SF	x	x	
1	K2	Classroom K-2	Carpet	Non Suspect ACM	x	100	SF	x	x	
1	K2	Classroom K-2	Blackboard Glue Dots	Assumed		130	SF	ND	NRN	
1	K2	Classroom K-2	Sink Undercoat Mastic	Assumed	NF2	6	SF	ND	NRN	Black
1	012K	Classroom K-2 Restroom	Fiberglass Pipe Insulation	Confirmed	FRI	10	LF	ND	NRN	Material has Asbestos Textured Paint on the Outside and Must be Treated as ACM
1	012K	Classroom K-2 Restroom	Concrete Ceiling	Non Suspect ACM	x	50	SF	x	x	
1	012K	Classroom K-2 Restroom	Concrete Block Wall	Non Suspect ACM	x	300	SF	x	x	
1	012K	Classroom K-2 Restroom	Transite	Confirmed	NF2	24	SF	ND	NRN	Panels around Door. Panels face both the classroom and restroom. Quantity is included in the restroom only.
1	012K	Classroom K-2 Restroom	Cement Floor	Non Suspect ACM	x	50	SF	x	x	
1	012K	Classroom K-2 Restroom	Textured Ceiling Paint	Confirmed	FRI	125	SF	ND	NRN	Material is also on Fiberglass Pipe Insulation, Metal Duct, and Bare Pipe near the Ceiling
1	024K	Classroom K-2 Closet	Fiberglass Pipe Insulation	Confirmed	FRI	28	LF	ND	NRN	Material has Asbestos Textured Paint on the Outside and Must be Treated as ACM
1	024K	Classroom K-2 Closet	Concrete Ceiling	Non Suspect ACM	x	80	SF	x	x	
1	024K	Classroom K-2 Closet	Concrete Block Wall	Non Suspect ACM	x	435	SF	x	x	
1	024K	Classroom K-2 Closet	Floor Tile VAT 12" x 12"	Assumed	NF1	80	SF	ND	NRN	
1	024K	Classroom K-2 Closet	Cement Floor	Non Suspect ACM	x	80	SF	x	x	
1	024K	Classroom K-2 Closet	Textured Ceiling Paint	Confirmed	FRI	260	SF	ND	NRN	Material is also on Fiberglass Pipe Insulation and Metal Duct near the Ceiling
1	K2A	Vestibule between Classroom K-2 and Exterior Entrance	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	80	SF	x	x	
1	K2A	Vestibule between Classroom K-2 and Exterior Entrance	Concrete Ceiling	Non Suspect ACM	x	80	SF	x	x	
1	K2A	Vestibule between Classroom K-2 and Exterior Entrance	Concrete Block Wall	Non Suspect ACM	x	200	SF	x	x	
1	K2A	Vestibule between Classroom K-2 and Exterior Entrance	Transite	Confirmed	NF2	72	SF	ND	NRN	Panels around Door and above and below Glass Windows. Panels face both the vestibule and classroom. Quantity is included in the vestibule only.
1	K2A	Vestibule between Classroom K-2 and Exterior Entrance	Floor Tile VAT 12" x 12"	Assumed	NF1	80	SF	ND	NRN	
1	K2A	Vestibule between Classroom K-2 and Exterior Entrance	Cement Floor	Non Suspect ACM	x	80	SF	x	x	

School District of Philadelphia

Asbestos Inspection Report - Section 9

John B. Kelly Elementary School (6470)

5116 Pulaski Avenue, 19144

Prepared by: Bernard J. Bryson

Certification # 0437 Date: 3/16/2018

Mechanical Plant Replacement Project

Survey Type

_____ 6 Month Surveillance

_____ Three- Year Reinspection IX

_____ AIR/EIE

__X__ **Asbestos Abatement Activity**

_____ Bulk Sampling Event

Bid Number: MC-B-004C of 2017/2018, EC-B-024C of 2017/2018, GC-B-003C of 2017/2018

Floor	Space # (on Floor Plan)	Onsite Room Name	Material Description	Confirmed, Assumed, NAD, Non Suspect ACM	Type (Code 1)	Amount of Material	SF/LF/EA	Condition (Code 2)	Action (Code 3)	Comments/Description/Notes
1	K3	Classroom K-3	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	1155	SF	x	x	
1	K3	Classroom K-3	Concrete Ceiling	Non Suspect ACM	x	1155	SF	x	x	
1	K3	Classroom K-3	Concrete Block Wall	Non Suspect ACM	x	1360	SF	x	x	
1	K3	Classroom K-3	Transite	Confirmed	NF2	20	SF	ND	NRN	Panels around Door to Hallway. Panels face both the classroom and hallway. Quantity is included in the classroom only.
1	K3	Classroom K-3	Floor Tile VAT 12" x 12"	Assumed	NF1	578	SF	ND	NRN	Newer White Tile. Possible Double Layer
1	K3	Classroom K-3	Floor Tile VAT 12" x 12"	Assumed	NF1	578	SF	ND	NRN	Older White Tile
1	K3	Classroom K-3	Cement Floor	Non Suspect ACM	x	1155	SF	x	x	
1	K3	Classroom K-3	Carpet	Non Suspect ACM	x	100	SF	x	x	
1	K3	Classroom K-3	Blackboard Glue Dots	Assumed		130	SF	ND	NRN	
1	K3	Classroom K-3	Sink Undercoat Mastic	Assumed	NF2	6	SF	ND	NRN	Black
1	013K	Classroom K-3 Restroom	Fiberglass Pipe Insulation	Confirmed	FRI	5	LF	ND	NRN	Material has Asbestos Textured Paint on the Outside and Must be Treated as ACM
1	013K	Classroom K-3 Restroom	Concrete Ceiling	Non Suspect ACM	x	50	SF	x	x	
1	013K	Classroom K-3 Restroom	Concrete Block Wall	Non Suspect ACM	x	300	SF	x	x	
1	013K	Classroom K-3 Restroom	Transite	Confirmed	NF2	24	SF	ND	NRN	Panels around Door.
1	013K	Classroom K-3 Restroom	Cement Floor	Non Suspect ACM	x	50	SF	x	x	
1	013K	Classroom K-3 Restroom	Textured Ceiling Paint	Confirmed	FRI	115	SF	ND	NRN	Material is also on Fiberglass Pipe Insulation and Metal Duct near the Ceiling
1	022K	Classroom K-3 Closet	Concrete Ceiling	Non Suspect ACM	x	80	SF	x	x	
1	022K	Classroom K-3 Closet	Concrete Block Wall	Non Suspect ACM	x	435	SF	x	x	
1	022K	Classroom K-3 Closet	Floor Tile VAT 12" x 12"	Assumed	NF1	80	SF	ND	NRN	
1	022K	Classroom K-3 Closet	Cement Floor	Non Suspect ACM	x	80	SF	x	x	
1	022K	Classroom K-3 Closet	Textured Ceiling Paint	Confirmed	FRI	170	SF	ND	NRN	Material is also on Metal Duct near the Ceiling
1	K-3A	Vestibule between Classroom K-3 and Exterior Entrance	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	80	SF	x	x	
1	K-3A	Vestibule between Classroom K-3 and Exterior Entrance	Concrete Ceiling	Non Suspect ACM	x	80	SF	x	x	
1	K-3A	Vestibule between Classroom K-3 and Exterior Entrance	Concrete Block Wall	Non Suspect ACM	x	200	SF	x	x	
1	K-3A	Vestibule between Classroom K-3 and Exterior Entrance	Transite	Confirmed	NF2	72	SF	ND	NRN	Panels around Door and above and below Glass Windows. Panels face both the classroom and vestibule. Quantity is included in the vestibule only.
1	K-3A	Vestibule between Classroom K-3 and Exterior Entrance	Floor Tile VAT 12" x 12"	Assumed	NF1	80	SF	ND	NRN	
1	K-3A	Vestibule between Classroom K-3 and Exterior Entrance	Cement Floor	Non Suspect ACM	x	80	SF	x	x	
1	020K	Closet between Classrooms K-3 & K-4	Fiberglass Pipe Insulation	Confirmed	FRI	80	LF	ND	**REM**	**Material has Asbestos Textured Paint on the Outside and Must be Treated as ACM**
1	020K	Closet between Classrooms K-3 & K-4	Concrete Ceiling	Non Suspect ACM	x	176	SF	x	x	
1	020K	Closet between Classrooms K-3 & K-4	Concrete Block Wall	Non Suspect ACM	x	720	SF	x	x	
1	020K	Closet between Classrooms K-3 & K-4	Floor Tile VAT 12" x 12"	Assumed	NF1	176	SF	ND	NRN	
1	020K	Closet between Classrooms K-3 & K-4	Cement Floor	Non Suspect ACM	x	176	SF	x	x	
1	020K	Closet between Classrooms K-3 & K-4	Textured Ceiling Paint	Confirmed	FRI	400	SF	ND	**REM**	**Material is also on Metal Ductwork, Fiberglass Pipe Insulation, Hangers, Saddles, Copper Tubing and Conduit**
1	K4	Classroom K-4	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	1155	SF	x	x	
1	K4	Classroom K-4	Concrete Ceiling	Non Suspect ACM	x	1155	SF	x	x	
1	K4	Classroom K-4	Concrete Block Wall	Non Suspect ACM	x	1360	SF	x	x	
1	K4	Classroom K-4	Transite	Confirmed	NF2	26	SF	ND	NRN	Panels around Door to Hallway. Panels face both the classroom and hallway. Quantity is included in the classroom only.
1	K4	Classroom K-4	Floor Tile VAT 12" x 12"	Assumed	NF1	578	SF	ND	NRN	Newer White Tile. Possible Double Layer
1	K4	Classroom K-4	Floor Tile VAT 12" x 12"	Assumed	NF1	578	SF	ND	NRN	Older White Tile
1	K4	Classroom K-4	Cement Floor	Non Suspect ACM	x	1155	SF	x	x	
1	K4	Classroom K-4	Carpet	Non Suspect ACM	x	100	SF	x	x	
1	K4	Classroom K-4	Blackboard Glue Dots	Assumed		130	SF	ND	NRN	
1	K4	Classroom K-4	Sink Undercoat Mastic	Assumed	NF2	6	SF	ND	NRN	Black
1	014K	Classroom K-4 Restroom	Fiberglass Pipe Insulation	Confirmed	FRI	5	LF	ND	NRN	Material has Asbestos Textured Paint on the Outside and Must be Treated as ACM
1	014K	Classroom K-4 Restroom	Concrete Ceiling	Non Suspect ACM	x	50	SF	x	x	
1	014K	Classroom K-4 Restroom	Concrete Block Wall	Non Suspect ACM	x	300	SF	x	x	
1	014K	Classroom K-4 Restroom	Transite	Confirmed	NF2	24	SF	ND	NRN	Panels around Door. Panels face both the classroom and restroom. Quantity is included in the restroom only.
1	014K	Classroom K-4 Restroom	Cement Floor	Non Suspect ACM	x	50	SF	x	x	
1	014K	Classroom K-4 Restroom	Textured Ceiling Paint	Confirmed	FRI	115	SF	ND	NRN	Material is also on Fiberglass Pipe Insulation and Metal Duct near the Ceiling
1	021K	Classroom K-4 Closet	Pipe Fitting Insulation	Assumed	FRI	2	LF	ND	NRN	
1	021K	Classroom K-4 Closet	Fiberglass Pipe Insulation	Non Suspect ACM	x	5	SF	x	x	
1	021K	Classroom K-4 Closet	Concrete Ceiling	Non Suspect ACM	x	80	SF	x	x	
1	021K	Classroom K-4 Closet	Concrete Block Wall	Non Suspect ACM	x	435	SF	x	x	
1	021K	Classroom K-4 Closet	Floor Tile VAT 12" x 12"	Assumed	NF1	80	SF	ND	NRN	
1	021K	Classroom K-4 Closet	Cement Floor	Non Suspect ACM	x	80	SF	x	x	
1	021K	Classroom K-4 Closet	Textured Ceiling Paint	Confirmed	FRI	175	SF	ND	NRN	Material is also on Metal Duct near the Ceiling
1	K4A	Vestibule between Classroom K-4 and Exterior Entrance	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	80	SF	x	x	
1	K4A	Vestibule between Classroom K-4 and Exterior Entrance	Concrete Ceiling	Non Suspect ACM	x	80	SF	x	x	
1	K4A	Vestibule between Classroom K-4 and Exterior Entrance	Concrete Block Wall	Non Suspect ACM	x	200	SF	x	x	
1	K4A	Vestibule between Classroom K-4 and Exterior Entrance	Transite	Confirmed	NF2	72	SF	ND	NRN	Panels around Door and above and below Glass Windows. Panels face both the vestibule and classroom. Quantity is included in the vestibule only.

School District of Philadelphia

Asbestos Inspection Report - Section 9

John B. Kelly Elementary School (6470)

5116 Pulaski Avenue, 19144

Prepared by: Bernard J. Bryson

Certification # 0437 Date: 3/16/2018

Mechanical Plant Replacement Project

Survey Type

_____ 6 Month Surveillance

_____ Three- Year Reinspection IX

_____ AIR/EIE

__X__ Asbestos Abatement Activity

_____ Bulk Sampling Event

Bid Number: MC-B-004C of 2017/2018, EC-B-024C of 2017/2018, GC-B-003C of 2017/2018

Floor	Space # (on Floor Plan)	Onsite Room Name	Material Description	Confirmed, Assumed, NAD, Non Suspect ACM	Type (Code 1)	Amount of Material	SF/LF/EA	Condition (Code 2)	Action (Code 3)	Comments/Description/Notes
1	K4A	Vestibule between Classroom K-4 and Exterior Entrance	Floor Tile VAT 12" x 12"	Assumed	NF1	80	SF	ND	NRN	
1	K4A	Vestibule between Classroom K-4 and Exterior Entrance	Cement Floor	Non Suspect ACM	x	80	SF	x	x	
1	K5	Classroom K-5	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	1155	SF	x	x	
1	K5	Classroom K-5	Concrete Ceiling	Non Suspect ACM	x	1155	SF	x	x	
1	K5	Classroom K-5	Concrete Block Wall	Non Suspect ACM	x	1360	SF	x	x	
1	K5	Classroom K-5	Floor Tile VAT 12" x 12"	Assumed	NF1	578	SF	ND	NRN	
1	K5	Classroom K-5	Floor Tile VAT 12" x 12"	Assumed	NF1	578	SF	ND	NRN	
1	K5	Classroom K-5	Cement Floor	Non Suspect ACM	x	1155	SF	x	x	
1	K5	Classroom K-5	Carpet	Non Suspect ACM	x	100	SF	x	x	
1	K5	Classroom K-5	Blackboard Glue Dots	Assumed		130	SF	ND	NRN	
1	K5	Classroom K-5	Sink Undercoat Mastic	Assumed	NF2	6	SF	ND	NRN	Black
1	015K	Classroom K-5 Restroom	Fiberglass Pipe Insulation	Non Suspect ACM	x	5	LF	x	x	
1	015K	Classroom K-5 Restroom	Concrete Ceiling	Non Suspect ACM	x	50	SF	x	x	
1	015K	Classroom K-5 Restroom	Concrete Block Wall	Non Suspect ACM	x	300	SF	x	x	
1	015K	Classroom K-5 Restroom	Transite	Confirmed	NF2	24	SF	ND	NRN	Panels around Door. Panels face both the restroom and classroom. Quantity is included in the restroom only.
1	015K	Classroom K-5 Restroom	Cement Floor	Non Suspect ACM	x	50	SF	x	x	
1	015K	Classroom K-5 Restroom	Textured Ceiling Paint	Confirmed	FRI	115	SF	ND	NRN	
1	019K	Classroom K-5 Closet	Pipe Fitting Insulation	Assumed	FRI	2	EA	ND	NRN	
1	019K	Classroom K-5 Closet	Fiberglass Pipe Insulation	Non Suspect ACM	x	5	LF	x	x	
1	019K	Classroom K-5 Closet	Concrete Ceiling	Non Suspect ACM	x	80	SF	x	x	
1	019K	Classroom K-5 Closet	Concrete Block Wall	Non Suspect ACM	x	435	SF	x	x	
1	019K	Classroom K-5 Closet	Floor Tile VAT 12" x 12"	Assumed	NF1	80	SF	ND	NRN	
1	019K	Classroom K-5 Closet	Cement Floor	Non Suspect ACM	x	80	SF	x	x	
1	019K	Classroom K-5 Closet	Textured Ceiling Paint	Confirmed	FRI	170	SF	ND	NRN	Material is also on Metal Duct near the Ceiling
1	K5A	Vestibule between Classroom K-5 and Exterior Entrance	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	80	SF	x	x	
1	K5A	Vestibule between Classroom K-5 and Exterior Entrance	Concrete Ceiling	Non Suspect ACM	x	80	SF	x	x	
1	K5A	Vestibule between Classroom K-5 and Exterior Entrance	Concrete Block Wall	Non Suspect ACM	x	200	SF	x	x	
1	K5A	Vestibule between Classroom K-5 and Exterior Entrance	Transite	Confirmed	NF2	72	SF	ND	NRN	Panels around Door and above and below Glass Windows. Panels face both the classroom and vestibule. Quantity is included in the vestibule only.
1	K5A	Vestibule between Classroom K-5 and Exterior Entrance	Floor Tile VAT 12" x 12"	Assumed	NF1	80	SF	ND	NRN	
1	K5A	Vestibule between Classroom K-5 and Exterior Entrance	Cement Floor	Non Suspect ACM	x	80	SF	x	x	
1	017K	Closet between Classrooms K-5 & K-6	Concrete Ceiling	Non Suspect ACM	x	176	SF	x	x	
1	017K	Closet between Classrooms K-5 & K-6	Concrete Block Wall	Non Suspect ACM	x	720	SF	x	x	
1	017K	Closet between Classrooms K-5 & K-6	Floor Tile VAT 12" x 12"	Assumed	NF1	176	SF	ND	NRN	
1	017K	Closet between Classrooms K-5 & K-6	Cement Floor	Non Suspect ACM	x	176	SF	x	x	
1	017K	Closet between Classrooms K-5 & K-6	Textured Ceiling Paint	Confirmed	FRI	400	SF	ND	**REM**	**Material is also on Metal Ductwork, Hangers, Saddles, Copper Tubing and Conduit**
1	K6	Classroom K-6	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	1155	SF	x	x	
1	K6	Classroom K-6	Concrete Ceiling	Non Suspect ACM	x	1155	SF	x	x	
1	K6	Classroom K-6	Concrete Block Wall	Non Suspect ACM	x	1360	SF	x	x	
1	K6	Classroom K-6	Floor Tile VAT 12" x 12"	Assumed	NF1	288	SF	ND	NRN	
1	K6	Classroom K-6	Floor Tile VAT 12" x 12"	Assumed	NF1	288	SF	ND	NRN	Newer White Tile
1	K6	Classroom K-6	Floor Tile VAT 12" x 12"	Assumed	NF1	123	SF	ND	NRN	
1	K6	Classroom K-6	Floor Tile VAT 12" x 12"	Assumed	NF1	456	SF	ND	NRN	Older White Tile
1	K6	Classroom K-6	Blackboard Glue Dots	Assumed		100	SF	ND	NRN	
1	K6	Classroom K-6	Sink Undercoat Mastic	Assumed	NF2	6	SF	ND	NRN	Black
1	016K	Classroom K-6 Restroom	Fiberglass Pipe Insulation	Confirmed	FRI	5	LF	ND	NRN	Material has Asbestos Textured Paint on the Outside and Must be Treated as ACM
1	016K	Classroom K-6 Restroom	Concrete Ceiling	Non Suspect ACM	x	50	SF	x	x	
1	016K	Classroom K-6 Restroom	Concrete Block Wall	Non Suspect ACM	x	300	SF	x	x	
1	016K	Classroom K-6 Restroom	Transite	Confirmed	NF2	24	SF	ND	NRN	Panels around Door. Panels face both the classroom and restroom. Quantity is included in the restroom only.
1	016K	Classroom K-6 Restroom	Cement Floor	Non Suspect ACM	x	50	SF	x	x	
1	016K	Classroom K-6 Restroom	Textured Ceiling Paint	Confirmed	FRI	115	SF	ND	NRN	Material is also on Fiberglass Pipe Insulation and Metal Duct near the Ceiling
1	018K	Classroom K-6 Closet	Fiberglass Pipe Insulation	Non Suspect ACM	x	2	LF	x	x	
1	018K	Classroom K-6 Closet	Concrete Ceiling	Non Suspect ACM	x	80	SF	x	x	
1	018K	Classroom K-6 Closet	Concrete Block Wall	Non Suspect ACM	x	435	SF	x	x	Material is also on Fiberglass Pipe Insulation and Metal Duct near the Ceiling
1	018K	Classroom K-6 Closet	Floor Tile VAT 12" x 12"	Assumed	NF1	80	SF	ND	NRN	
1	018K	Classroom K-6 Closet	Cement Floor	Non Suspect ACM	x	80	SF	x	x	
1	018K	Classroom K-6 Closet	Textured Ceiling Paint	Confirmed	FRI	172	SF	ND	NRN	
1	K6A	Vestibule between Classroom K-6 and Exterior Entrance	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	80	SF	x	x	
1	K6A	Vestibule between Classroom K-6 and Exterior Entrance	Concrete Ceiling	Non Suspect ACM	x	80	SF	x	x	
1	K6A	Vestibule between Classroom K-6 and Exterior Entrance	Concrete Block Wall	Non Suspect ACM	x	200	SF	x	x	
1	K6A	Vestibule between Classroom K-6 and Exterior Entrance	Transite	Confirmed	NF2	72	SF	ND	NRN	Panels around Door and above and below Glass Windows. Panels face both the classroom and vestibule. Quantity is included in the vestibule only.
1	K6A	Vestibule between Classroom K-6 and Exterior Entrance	Floor Tile VAT 12" x 12"	Assumed	NF1	80	SF	ND	NRN	
1	K6A	Vestibule between Classroom K-6 and Exterior Entrance	Cement Floor	Non Suspect ACM	x	8/0	SF	x	x	
1	011	Former Boy's Locker Room	Fiberglass Pipe Insulation	Non Suspect ACM	x	80	LF	x	x	Hallway Entrance
1	011	Former Boy's Locker Room	Plaster Ceiling	NAD	x	260	SF	x	x	Hallway Entrance
1	011	Former Boy's Locker Room	Concrete Ceiling	Non Suspect ACM	x	280	SF	x	x	Hallway Entrance
1	011	Former Boy's Locker Room	Concrete Block Wall	Non Suspect ACM	x	840	SF	x	x	Hallway Entrance

School District of Philadelphia

Asbestos Inspection Report - Section 9

John B. Kelly Elementary School (6470)

5116 Pulaski Avenue, 19144

Prepared by: Bernard J. Bryson

Certification # 0437 Date: 3/16/2018

Mechanical Plant Replacement Project

Survey Type

_____ 6 Month Surveillance

_____ Three- Year Reinspection IX

_____ AIR/EIE

__X__ **Asbestos Abatement Activity**

_____ Bulk Sampling Event

Bid Number: MC-B-004C of 2017/2018, EC-B-024C of 2017/2018, GC-B-003C of 2017/2018

Floor	*Space # (on Floor Plan)*	*Onsite Room Name*	*Material Description*	*Confirmed, Assumed, NAD, Non Suspect ACM*	*Type (Code 1)*	*Amount of Material*	*SF/LF/EA*	*Condition (Code 2)*	*Action (Code 3)*	*Comments/Description/Notes*
1	011	Former Boy's Locker Room	Floor Tile VAT 12" x 12"	Assumed	NF1	20	SF	ND	NRN	Hallway Entrance
1	011	Former Boy's Locker Room	Cement Floor	Non Suspect ACM	x	280	SF	x	x	Hallway Entrance
1	012	Women's Restroom adjacent to Boy's Locker Room	Fiberglass Pipe Insulation	Non Suspect ACM	x	50	LF	x	x	
1	012	Women's Restroom adjacent to Boy's Locker Room	Concrete Ceiling	Non Suspect ACM	x	45	SF	x	x	
1	012	Women's Restroom adjacent to Boy's Locker Room	Concrete Block Wall	Non Suspect ACM	x	340	SF	x	x	
1	012	Women's Restroom adjacent to Boy's Locker Room	Cement Floor	Non Suspect ACM	x	45	SF	x	x	
1	012A	Men's Restroom adjacent to Boy's Locker Room	Pipe Fitting Insulation	Assumed	FRI	1	EA	ND	NRN	
1	012A	Men's Restroom adjacent to Boy's Locker Room	Fiberglass Pipe Insulation	Non Suspect ACM	x	100	LF	x	x	
1	012A	Men's Restroom adjacent to Boy's Locker Room	Concrete Ceiling	Non Suspect ACM	x	105	SF	x	x	
1	012A	Men's Restroom adjacent to Boy's Locker Room	Concrete Block Wall	Non Suspect ACM	x	505	SF	x	x	
1	012A	Men's Restroom adjacent to Boy's Locker Room	Cement Floor	Non Suspect ACM	x	105	SF	x	x	
1	013	Storage Room S-7 across from Classroom K-5	Pipe Fitting Insulation	Assumed	FRI	1	EA	ND	NRN	
1	013	Storage Room S-7 across from Classroom K-5	Fiberglass Pipe Insulation	Non Suspect ACM	x	10	LF	x	x	
1	013	Storage Room S-7 across from Classroom K-5	Concrete Ceiling	Non Suspect ACM	x	160	SF	x	x	
1	013	Storage Room S-7 across from Classroom K-5	Concrete Block Wall	Non Suspect ACM	x	620	SF	x	x	
1	013	Storage Room S-7 across from Classroom K-5	Floor Tile VAT 12" x 12"	Assumed	NF1	160	SF	ND	NRN	
1	013	Storage Room S-7 across from Classroom K-5	Cement Floor	Non Suspect ACM	x	160	SF	x	x	
1	006	Former Girl's Locker Room	Plaster Ceiling	NAD	x	280	SF	x	x	
1	006	Former Girl's Locker Room	Concrete Ceiling	Non Suspect ACM	x	300	SF	x	x	
1	006	Former Girl's Locker Room	Concrete Block Wall	Non Suspect ACM	x	840	SF	x	x	
1	006	Former Girl's Locker Room	Floor Tile VAT 12" x 12"	Assumed	NF1	12	SF	ND	NRN	
1	006	Former Girl's Locker Room	Floor Tile VAT 12" x 12"	Assumed	NF1	8	SF	ND	NRN	
1	006	Former Girl's Locker Room	Cement Floor	Non Suspect ACM	x	300	SF	x	x	
1	006A	Former Girl's Locker Room Area outside Restroom and Showers	Plaster Ceiling	NAD	x	130	SF	x	x	
1	006A	Former Girl's Locker Room Area outside Restroom and Showers	Concrete Ceiling	Non Suspect ACM	x	130	SF	x	x	
1	006A	Former Girl's Locker Room Area outside Restroom and Showers	Concrete Block Wall	Non Suspect ACM	x	460	SF	x	x	
1	006A	Former Girl's Locker Room Area outside Restroom and Showers	Cement Floor	Non Suspect ACM	x	130	SF	x	x	
1	013A	Former Girl's Locker Room Restroom	Plaster Ceiling	NAD	x	75	SF	x	x	
1	013A	Former Girl's Locker Room Restroom	Concrete Ceiling	Non Suspect ACM	x	75	SF	x	x	
1	013A	Former Girl's Locker Room Restroom	Concrete Block Wall	Non Suspect ACM	x	340	SF	x	x	
1	013A	Former Girl's Locker Room Restroom	Cement Floor	Non Suspect ACM	x	75	SF	x	x	
1	006B	Former Girl's Locker Room Showers	Plaster Ceiling	NAD	x	130	SF	x	x	
1	006B	Former Girl's Locker Room Showers	Concrete Ceiling	Non Suspect ACM	x	130	SF	x	x	
1	006B	Former Girl's Locker Room Showers	Concrete Block Wall	Non Suspect ACM	x	460	SF	x	x	
1	006B	Former Girl's Locker Room Showers	Cement Floor	Non Suspect ACM	x	130	SF	x	x	
1	005	Mechanical Room adjacent to Stairwell to Boiler Room	Pipe Fitting Insulation	Assumed	FRI	9	EA	ND	**REM**	**Remove All ACPFs**
1	005	Mechanical Room adjacent to Stairwell to Boiler Room	Fiberglass Pipe Insulation	Non Suspect ACM	x	80	LF	x	x	
1	005	Mechanical Room adjacent to Stairwell to Boiler Room	Fiberglass Pipe Fitting Insulation	Non Suspect ACM	x	3	EA	x	x	
1	005	Mechanical Room adjacent to Stairwell to Boiler Room	Neoprene Pipe Insulation	Non Suspect ACM	x	28	LF	x	x	
1	005	Mechanical Room adjacent to Stairwell to Boiler Room	Vibration Damper Cloth	Non Suspect ACM	x	20	SF	x	x	Black Vinyl Flexible Duct Connector
1	009	Gym	Pipe Fitting Insulation	Assumed	FRI	17	EA	ND	NRN	
1	009	Gym	Fiberglass Pipe Insulation	Non Suspect ACM	x	130	LF	x	x	
1	009	Gym	Concrete Ceiling	Non Suspect ACM	x	4800	SF	x	x	
1	009	Gym	Concrete Block Wall	Non Suspect ACM	x	6440	SF	x	x	
1	009	Gym	Transite Sills	Assumed	NF2	2	SF	ND	NRN	Fire Extinguisher Ledges
1	009	Gym	Floor Tile VAT 12" x 12"	Assumed	NF1	4786	SF	ND	NRN	
1	009	Gym	Floor Tile VAT 12" x 12"	Assumed	NF1	14	SF	ND	NRN	
1	009	Gym	Cement Floor	Non Suspect ACM	x	4800	SF	x	x	
1	010	Gym Office	Fiberglass Pipe Insulation	Non Suspect ACM	x	18	LF	x	x	
1	010	Gym Office	Plaster Ceiling	NAD	x	176	SF	x	x	
1	010	Gym Office	Concrete Ceiling	Non Suspect ACM	x	176	SF	x	x	
1	010	Gym Office	Concrete Block Wall	Non Suspect ACM	x	340	SF	x	x	
1	010	Gym Office	Transite	Confirmed	NF2	36	SF	ND	NRN	Panels around Door and Windows. Panels face both the gym and gym office. Quantity is included in the gym office only.
1	010	Gym Office	Floor Tile VAT 12" x 12"	Assumed	NF1	176	SF	ND	NRN	
1	010	Gym Office	Cement Floor	Non Suspect ACM	x	176	SF	x	x	
1	010A	Gym Office Restroom	Plaster Ceiling	NAD	x	40	SF	x	x	
1	010A	Gym Office Restroom	Concrete Ceiling	Non Suspect ACM	x	40	SF	x	x	
1	010A	Gym Office Restroom	Concrete Block Wall	Non Suspect ACM	x	210	SF	x	x	
1	010A	Gym Office Restroom	Cement Floor	Non Suspect ACM	x	40	SF	x	x	
1	008	Gym Equipment Room	Pipe Fitting Insulation	Assumed	FRI	6	EA	ND	**REM**	**Remove All ACPFs**
1	008	Gym Equipment Room	Fiberglass Pipe Insulation	Non Suspect ACM	x	20	LF	x	x	10 LF applied to Heating System Piping; 10 LF applied to Roof Drain Piping
1	008	Gym Equipment Room	Concrete Ceiling	Non Suspect ACM	x	396	SF	x	x	
1	008	Gym Equipment Room	Concrete Block Wall	Non Suspect ACM	x	1170	SF	x	x	
1	008	Gym Equipment Room	Cement Floor	Non Suspect ACM	x	396	SF	x	x	
1	007	Mechanical Room in Hallway to Gym	Pipe Fitting Insulation	Assumed	FRI	9	EA	ND	**REM**	**Remove All ACPFs**
1	007	Mechanical Room in Hallway to Gym	Fiberglass Pipe Insulation	Non Suspect ACM	x	60	LF	x	x	
1	007	Mechanical Room in Hallway to Gym	Brick Incinerator	Assumed	FRI	1	EA	ND	NRN	
	007	Mechanical Room in Hallway to Gym	Incinerator Insulation	Assumed	FRI	200	SF	ND	NRN	
1	011A	Former Boy's Locker Room Entrance From Gym	Plaster Ceiling	NAD	x	130	SF	x	x	
1	011A	Former Boy's Locker Room Entrance From Gym	Concrete Ceiling	Non Suspect ACM	x	130	SF	x	x	

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		Prepared by: Bernard J. Bryson	__X__ Asbestos Abatement Activity							
		Certification # 0437 Date: 3/16/2018	_____ Bulk Sampling Event							
		Mechanical Plant Replacement Project	Bid Number: MC-B-004C of 2017/2018, EC-B-024C of 2017/2018, GC-B-003C of 2017/2018							

Floor	Space # (on Floor Plan)	Onsite Room Name	Material Description	Confirmed, Assumed, NAD, Non Suspect ACM	Type (Code 1)	Amount of Material	SF/LF/EA	Condition (Code 2)	Action (Code 3)	Comments/Description/Notes
1	011A	Former Boy's Locker Room Entrance From Gym	Concrete Block Wall	Non Suspect ACM	x	460	SF	x	x	
1	011A	Former Boy's Locker Room Entrance From Gym	Cement Floor	Non Suspect ACM	x	130	SF	x	x	
1	011B	Former Boy's Locker Room Restroom	Plaster Ceiling	NAD	x	75	SF	x	x	
1	011B	Former Boy's Locker Room Restroom	Concrete Ceiling	Non Suspect ACM	x	75	SF	x	x	
1	011B	Former Boy's Locker Room Restroom	Concrete Block Wall	Non Suspect ACM	x	340	SF	x	x	
1	011B	Former Boy's Locker Room Restroom	Cement Floor	Non Suspect ACM	x	75	SF	x	x	
1	011C	Former Boy's Locker Room Shower	Plaster Ceiling	NAD	x	130	SF	x	x	
1	011C	Former Boy's Locker Room Shower	Concrete Ceiling	Non Suspect ACM	x	130	SF	x	x	
1	011C	Former Boy's Locker Room Shower	Concrete Block Wall	Non Suspect ACM	x	460	SF	x	x	
1	011C	Former Boy's Locker Room Shower	Cement Floor	Non Suspect ACM	x	130	SF	x	x	
1	014	Storage Room behind Teacher's Dining Room	Pipe Fitting Insulation	Assumed	FRI	4	EA	ND	NRN	
1	014	Storage Room behind Teacher's Dining Room	Fiberglass Pipe Insulation	Non Suspect ACM	x	35	LF	x	x	
1	014	Storage Room behind Teacher's Dining Room	Concrete Ceiling	Non Suspect ACM	x	238	SF	x	x	
1	014	Storage Room behind Teacher's Dining Room	Concrete Block Wall	Non Suspect ACM	x	930	SF	x	x	
1	014	Storage Room behind Teacher's Dining Room	Cement Floor	Non Suspect ACM	x	238	SF	x	x	
1	015	Teacher's Dining Room	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	378	SF	x	x	
1	015	Teacher's Dining Room	Concrete Ceiling	Non Suspect ACM	x	378	SF	x	x	
1	015	Teacher's Dining Room	Concrete Block Wall	Non Suspect ACM	x	820	SF	x	x	
1	015	Teacher's Dining Room	Floor Tile VAT 12" x 12"	Assumed	NF1	378	SF	ND	NRN	
1	015	Teacher's Dining Room	Cement Floor	Non Suspect ACM	x	378	SF	x	x	
1	016	Kitchen Dry Storage Room	Pipe Fitting Insulation	Assumed	FRI	20	EA	ND	NRN	
1	016	Kitchen Dry Storage Room	Fiberglass Pipe Insulation	Non Suspect ACM	x	95	LF	x	x	
1	016	Kitchen Dry Storage Room	Concrete Ceiling	Non Suspect ACM	x	140	SF	x	x	
1	016	Kitchen Dry Storage Room	Concrete Block Wall	Non Suspect ACM	x	975	SF	x	x	
1	016	Kitchen Dry Storage Room	Ceramic Tile Floors	Non Suspect ACM	x	140	SF	x	x	
1	016	Kitchen Dry Storage Room	Vibration Damper Cloth	Non Suspect ACM	x	10	SF	x	x	Black Vinyl Flexible Duct Connector
1	016A	Kitchen Office	Pipe Fitting Insulation	Assumed	FRI	9	EA	ND	NRN	
1	016A	Kitchen Office	Fiberglass Pipe Insulation	Non Suspect ACM	x	50	LF	x	x	
1	016A	Kitchen Office	Concrete Ceiling	Non Suspect ACM	x	56	SF	x	x	
1	016A	Kitchen Office	Concrete Block Wall	Non Suspect ACM	x	270	SF	x	x	
1	016A	Kitchen Office	Transite	Confirmed	NF2	24	SF	ND	NRN	
1	016A	Kitchen Office	Ceramic Tile Floors	Non Suspect ACM	x	56	SF	x	x	
1	017	Kitchen	Pipe Fitting Insulation	Assumed	FRI	29	EA	ND	NRN	
1	017	Kitchen	Fiberglass Pipe Insulation	Non Suspect ACM	x	200	LF	x	x	
1	017	Kitchen	Concrete Ceiling	Non Suspect ACM	x	1148	SF	x	x	
1	017	Kitchen	Concrete Block Wall	Non Suspect ACM	x	2600	SF	x	x	
1	017	Kitchen	Ceramic Tile Floors	Non Suspect ACM	x	1148	SF	x	x	
1	017	Kitchen	Vibration Damper Cloth	Non Suspect ACM	x	20	SF	x	x	Black Vinyl Flexible Duct Connector
1	017A	Kitchen Restroom	Pipe Fitting Insulation	Assumed	FRI	9	EA	ND	NRN	
1	017A	Kitchen Restroom	Fiberglass Pipe Insulation	Non Suspect ACM	x	75	LF	x	x	
1	017A	Kitchen Restroom	Concrete Ceiling	Non Suspect ACM	x	72	SF	x	x	
1	017A	Kitchen Restroom	Concrete Block Wall	Non Suspect ACM	x	615	SF	x	x	
1	017A	Kitchen Restroom	Cement Floor	Non Suspect ACM	x	72	SF	x	x	
1	017B	Kitchen Refrigerator Room	Pipe Fitting Insulation	Assumed	FRI	6	EA	ND	NRN	
1	017B	Kitchen Refrigerator Room	Fiberglass Pipe Insulation	Non Suspect ACM	x	70	LF	x	x	
1	017B	Kitchen Refrigerator Room	Concrete Ceiling	Non Suspect ACM	x	312	SF	x	x	
1	017B	Kitchen Refrigerator Room	Concrete Block Wall	Non Suspect ACM	x	1370	SF	x	x	
1	017B	Kitchen Refrigerator Room	Ceramic Tile Floors	Non Suspect ACM	x	312	SF	x	x	
1	017C	Custodial Closet by Kitchen	Pipe Fitting Insulation	Assumed	FRI	6	EA	ND	NRN	
1	017C	Custodial Closet by Kitchen	Pipe Insulation 2-6 inch	Assumed	FRI	10	LF	ND	NRN	
1	017C	Custodial Closet by Kitchen	Fiberglass Pipe Insulation	Non Suspect ACM	x	20	LF	x	x	
1	018	Cafeteria	Plaster Ceiling	NAD	x	4960	SF	x	x	
1	018	Cafeteria	Concrete Block Wall	Non Suspect ACM	x	3125	SF	x	x	
1	018	Cafeteria	Transite Sills	Assumed	NF2	1	SF	ND	NRN	Fire Extinguisher Ledges
1	018	Cafeteria	Floor Tile VAT 12" x 12"	Assumed	NF1	4960	SF	ND	NRN	
1	018	Cafeteria	Cement Floor	Non Suspect ACM	x	4960	SF	x	x	
1	018	Cafeteria	Acoustical Plaster Ceiling	Confirmed	FRI	4960	SF	ND	NRN	Grey Ceiling Material sampled 3/2014 by NH/USA 3% Chrysotile
1	019	Former Music Ensemble Room	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	440	SF	x	x	
1	019	Former Music Ensemble Room	Concrete Ceiling	Non Suspect ACM	x	440	SF	x	x	
1	019	Former Music Ensemble Room	Concrete Block Wall	Non Suspect ACM	x	840	SF	x	x	
1	019	Former Music Ensemble Room	Floor Tile VAT 12" x 12"	Assumed	NF1	440	SF	ND	NRN	
1	019	Former Music Ensemble Room	Cement Floor	Non Suspect ACM	x	440	SF	x	x	
1	019	Former Music Ensemble Room	Blackboard Glue Dots	Assumed	NF1	40	SF	ND	NRN	
1	020	ISS Room	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	820	SF	x	x	Former Music Room
1	020	ISS Room	Concrete Ceiling	Non Suspect ACM	x	820	SF	x	x	Former Music Room
1	020	ISS Room	Concrete Block Wall	Non Suspect ACM	x	1160	SF	x	x	Former Music Room
1	020	ISS Room	Floor Tile VAT 12" x 12"	Assumed	NF1	820	SF	ND	NRN	Former Music Room
1	020	ISS Room	Cement Floor	Non Suspect ACM	x	820	SF	x	x	Former Music Room
1	020	ISS Room	Blackboard Glue Dots	Assumed	NF1	80	SF	ND	NRN	Former Music Room
1	020	ISS Room	Sink Undercoat Mastic	Assumed	NF2	8	SF	ND	NRN	Black - Former Music Room
1	021	Occupational and PT Office	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	64	SF	x	x	Practice A
1	021	Occupational and PT Office	Concrete Ceiling	Non Suspect ACM	x	64	SF	x	x	Practice A
1	021	Occupational and PT Office	Concrete Block Wall	Non Suspect ACM	x	320	SF	x	x	Practice A
1	021	Occupational and PT Office	Floor Tile VAT 12" x 12"	Assumed	NF1	64	SF	ND	NRN	Practice A
1	021	Occupational and PT Office	Cement Floor	Non Suspect ACM	x	64	SF	x	x	Practice A
1	022	Special Education Liaison Office	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	144	SF	x	x	
1	022	Special Education Liaison Office	Concrete Ceiling	Non Suspect ACM	x	144	SF	x	x	
1	022	Special Education Liaison Office	Concrete Block Wall	Non Suspect ACM	x	480	SF	x	x	
1	022	Special Education Liaison Office	Floor Tile VAT 12" x 12"	Assumed	NF1	144	SF	ND	NRN	
1	022	Special Education Liaison Office	Cement Floor	Non Suspect ACM	x	144	SF	x	x	
1	023	Auditorium	Plaster Ceiling	Assumed	FRI	3290	SF	ND	NRN	
1	023	Auditorium	Concrete Ceiling	Non Suspect ACM	x	4340	SF	x	x	
1	023	Auditorium	Concrete Block Wall	Non Suspect ACM	x	3500	SF	x	x	
1	023	Auditorium	Transite Sills	Assumed	NF2	2	SF	ND	NRN	Fire Extinguisher Ledges
1	023	Auditorium	Floor Tile VAT 12" x 12"	Assumed	NF1	2100	SF	ND	NRN	
1	023	Auditorium	Floor Tile VAT 12" x 12"	Assumed	NF1	530	SF	ND	NRN	
1	023	Auditorium	Cement Floor	Non Suspect ACM	x	4340	SF	x	x	

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		Prepared by: Bernard J. Bryson	**__X__ Asbestos Abatement Activity**							
		Certification # 0437 Date: 3/16/2018	_____ Bulk Sampling Event							
		Mechanical Plant Replacement Project	**Bid Number: MC-B-004C of 2017/2018, EC-B-024C of 2017/2018, GC-B-003C of 2017/2018**							
Floor	***Space # (on Floor Plan)***	***Onsite Room Name***	***Material Description***	***Confirmed, Assumed, NAD, Non Suspect ACM***	***Type (Code 1)***	***Amount of Material***	***SF/LF/EA***	***Condition (Code 2)***	***Action (Code 3)***	***Comments/Description/Notes***
1	023	Auditorium	Acoustical Plaster Ceiling	Assumed	FRI	420	SF	ND	NRN	Material appears to be hard and is definitely different than the acoustical plaster ceiling in the cafeteria. Located in 6, 70 SF rectangles.
1	023A	Auditorium Stage	Pipe Fitting Insulation	Assumed	FRI	6	EA	ND	NRN	
1	023A	Auditorium Stage	Fiberglass Pipe Insulation	Non Suspect ACM	x	40	LF	x	x	
1	023A	Auditorium Stage	Plaster Ceiling	Assumed	FRI	912	SF	ND	NRN	
1	023A	Auditorium Stage	Concrete Ceiling	Non Suspect ACM	x	1488	SF	x	x	
1	023A	Auditorium Stage	Concrete Block Wall	Non Suspect ACM	x	1760	SF	x	x	
1	023A	Auditorium Stage	Floor Tile VAT 12" x 12"	Assumed	NF1	135	SF	ND	NRN	
1	023A	Auditorium Stage	Wood Floor	Non Suspect ACM	x	1353	SF	x	x	
1	023A	Auditorium Stage	Cement Floor	Non Suspect ACM	x	135	SF	x	x	
1	023A	Auditorium Stage	Wire Insulation	Assumed	NF2	20	SF	ND	NRN	
1	023I	Auditorium Attic	Metal Catwalk	Non Suspect ACM	x	700	SF	x	x	
1	023I	Auditorium Attic	Plaster Ceiling Below Catwalk	Assumed	FRI	4340	SF	ND	NRN	
1	023I	Auditorium Attic	Concrete Block Wall	Non Suspect ACM	x	12000	SF	x	x	
1	023I	Auditorium Attic	Concrete Ceiling	Non Suspect ACM	x	4340	SF	x	x	
1	023I	Auditorium Attic	Fiberglass Pipe Insulation	Non Suspect ACM	x	150	LF	x	x	
1	023I	Auditorium Attic	Pipe Fitting Insulation	Assumed	FRI	9	EA	ND	NRN	
1	023I	Auditorium Attic	Fiberglass Flex Duct	Non Suspect ACM	x	1000	SF	x	x	
1	023J	Mechanical Room above the Control Room at Rear of Auditorium	Cement Floor	Non Suspect ACM	x	100	SF	x	x	
1	023J	Mechanical Room above the Control Room at Rear of Auditorium	Concrete Block Wall	Non Suspect ACM	x	300	SF	x	x	
1	023J	Mechanical Room above the Control Room at Rear of Auditorium	Concrete Ceiling	Non Suspect ACM	x	100	SF	x	x	
1	023J	Mechanical Room above the Control Room at Rear of Auditorium	Fiberglass Pipe Insulation	Non Suspect ACM	x	25	LF	x	x	
1	023J	Mechanical Room above the Control Room at Rear of Auditorium	Fiberglass Pipe Fitting Insulation	Non Suspect ACM	x	4	EA	x	x	
1	023J	Mechanical Room above the Control Room at Rear of Auditorium	Neoprene Pipe Insulation	Non Suspect ACM	x	10	LF	x	x	
1	023J	Mechanical Room above the Control Room at Rear of Auditorium	Vibration Damper Cloth	Non Suspect ACM	x	35	SF	x	x	Black Vinyl Flexible Duct Connector
1	023B	Storage Room and Entrance Area to Control Room	Pipe Fitting Insulation	Assumed	FRI	2	EA	ND	NRN	
1	023B	Storage Room and Entrance Area to Control Room at Rear of Auditorium	Fiberglass Pipe Insulation	Non Suspect ACM	x	20	LF	x	x	
1	023B	Storage Room and Entrance Area to Control Room at Rear of Auditorium	Concrete Ceiling	Non Suspect ACM	x	30	SF	x	x	
1	023B	Storage Room and Entrance Area to Control Room at Rear of Auditorium	Concrete Block Wall	Non Suspect ACM	x	550	SF	x	x	
1	023B	Storage Room and Entrance Area to Control Room at Rear of Auditorium	Floor Tile VAT 12" x 12"	Assumed	NF1	30	SF	ND	NRN	
1	023B	Storage Room and Entrance Area to Control Room at Rear of Auditorium	Cement Floor	Non Suspect ACM	x	30	SF	x	x	
1	023C	Control Room at Rear of Auditorium	Concrete Ceiling	Non Suspect ACM	x	105	SF	x	x	
1	023C	Control Room at Rear of Auditorium	Concrete Block Wall	Non Suspect ACM	x	370	SF	x	x	
1	023C	Control Room at Rear of Auditorium	Floor Tile VAT 12" x 12"	Assumed	NF1	105	SF	ND	NRN	Below wood floor. Assumed to be 12 x 12 floor tiles but could not determine actual size.
1	023C	Control Room at Rear of Auditorium	Wood Floor	Non Suspect ACM	x	105	SF	x	x	Over Floor Tile
1	023C	Control Room at Rear of Auditorium	Cement Floor	Non Suspect ACM	x	105	SF	x	x	
1	023D	Storage Room to Right of Control Room at Rear of Auditorium	Pipe Fitting Insulation	Assumed	FRI	8	EA	ND	NRN	
1	023D	Storage Room to Right of Control Room at Rear of Auditorium	Fiberglass Pipe Insulation	Non Suspect ACM	x	50	LF	x	x	
1	023D	Storage Room to Right of Control Room at Rear of Auditorium	Concrete Ceiling	Non Suspect ACM	x	30	SF	x	x	
1	023D	Storage Room to Right of Control Room at Rear of Auditorium	Concrete Block Wall	Non Suspect ACM	x	550	SF	x	x	
1	023D	Storage Room to Right of Control Room at Rear of Auditorium	Floor Tile VAT 12" x 12"	Assumed	NF1	30	SF	ND	NRN	
1	023D	Storage Room to Right of Control Room at Rear of Auditorium	Cement Floor	Non Suspect ACM	x	30	SF	x	x	
1	023E	Storage Room to Left of Stage	Concrete Ceiling	Non Suspect ACM	x	100	SF	x	x	Former Control Room
1	023E	Storage Room to Left of Stage	Concrete Block Wall	Non Suspect ACM	x	480	SF	x	x	Former Control Room
1	023E	Storage Room to Left of Stage	Floor Tile VAT 12" x 12"	Assumed	NF1	100	SF	ND	NRN	Former Control Room
1	023E	Storage Room to Left of Stage	Cement Floor	Non Suspect ACM	x	100	SF	x	x	Former Control Room
1	023F	Open Storage Area to Left of Stage outside Dressing A	Pipe Fitting Insulation	Assumed	FRI	1	EA	ND	NRN	
1	023F	Open Storage Area to Left of Stage outside Dressing A	Fiberglass Pipe Insulation	Non Suspect ACM	x	6	LF	x	x	
1	023F	Open Storage Area to Left of Stage outside Dressing A	Concrete Ceiling	Non Suspect ACM	x	260	SF	x	x	
1	023F	Open Storage Area to Left of Stage outside Dressing A	Concrete Block Wall	Non Suspect ACM	x	640	SF	x	x	
1	023F	Open Storage Area to Left of Stage outside Dressing A	Floor Tile VAT 12" x 12"	Assumed	NF1	260	SF	ND	NRN	
1	023F	Open Storage Area to Left of Stage outside Dressing A	Cement Floor	Non Suspect ACM	x	260	SF	x	x	
1	023G	Open Storage Area to Right of Stage outside Dressing D	Pipe Fitting Insulation	Assumed	FRI	4	EA	ND	NRN	
1	023G	Open Storage Area to Right of Stage outside Dressing D	Fiberglass Pipe Insulation	Non Suspect ACM	x	15	LF	x	x	
1	023G	Open Storage Area to Right of Stage outside Dressing D	Concrete Ceiling	Non Suspect ACM	x	260	SF	x	x	
1	023G	Open Storage Area to Right of Stage outside Dressing D	Concrete Block Wall	Non Suspect ACM	x	640	SF	x	x	
1	023G	Open Storage Area to Right of Stage outside Dressing D	Floor Tile VAT 12" x 12"	Assumed	NF1	260	SF	ND	NRN	
1	023G	Open Storage Area to Right of Stage outside Dressing D	Cement Floor	Non Suspect ACM	x	260	SF	x	x	
1	023H	Storage Room to Right of Stage	Concrete Ceiling	Non Suspect ACM	x	100	SF	x	x	
1	023H	Storage Room to Right of Stage	Concrete Block Wall	Non Suspect ACM	x	480	SF	x	x	
1	023H	Storage Room to Right of Stage	Floor Tile VAT 12" x 12"	Assumed	NF1	100	SF	ND	NRN	
1	023H	Storage Room to Right of Stage	Cement Floor	Non Suspect ACM	x	100	SF	x	x	
1	024	Dressing A	Pipe Fitting Insulation	Assumed	FRI	13	EA	ND	NRN	
1	024	Dressing A	Fiberglass Pipe Insulation	Non Suspect ACM	x	150	LF	x	x	
1	024	Dressing A	Concrete Ceiling	Non Suspect ACM	x	225	SF	x	x	

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		Certification # 0437 Date: 3/16/2018	_____ Bulk Sampling Event							
		Mechanical Plant Replacement Project	Bid Number: MC-B-004C of 2017/2018, EC-B-024C of 2017/2018, GC-B-003C of 2017/2018							

Floor	Space # (on Floor Plan)	Onsite Room Name	Material Description	Confirmed, Assumed, NAD, Non Suspect ACM	Type (Code 1)	Amount of Material	SF/LF/EA	Condition (Code 2)	Action (Code 3)	Comments/Description/Notes
1	024	Dressing A	Concrete Block Wall	Non Suspect ACM	x	820	SF	x	x	
1	024	Dressing A	Floor Tile VAT 12" x 12"	Assumed	NF1	225	SF	ND	NRN	
1	024	Dressing A	Cement Floor	Non Suspect ACM	x	225	SF	x	x	
1	025	Dressing B	Pipe Fitting Insulation	Assumed	FRI	5	EA	ND	NRN	
1	025	Dressing B	Fiberglass Pipe Insulation	Non Suspect ACM	x	80	LF	x	x	
1	025	Dressing B	Concrete Ceiling	Non Suspect ACM	x	176	SF	x	x	
1	025	Dressing B	Concrete Block Wall	Non Suspect ACM	x	650	SF	x	x	
1	025	Dressing B	Floor Tile VAT 12" x 12"	Assumed	NF1	176	SF	ND	NRN	
1	025	Dressing B	Cement Floor	Non Suspect ACM	x	176	SF	x	x	
1	026	Dressing B Restroom	Fiberglass Pipe Insulation	Confirmed	FRI	45	LF	ND	**REM**	**Material has Asbestos Textured Paint on the Outside and Must be Treated as ACM**
1	026	Dressing B Restroom	Concrete Ceiling	Non Suspect ACM	x	72	SF	x	x	
1	026	Dressing B Restroom	Concrete Block Wall	Non Suspect ACM	x	410	SF	x	x	
1	026	Dressing B Restroom	Cement Floor	Non Suspect ACM	x	72	SF	x	x	
1	026	Dressing B Restroom	Textured Ceiling Paint	Confirmed	FRI	125	SF	ND	**REM**	**Material is also on Metal Ductwork, Hangers and Small Copper Piping**
1	027	Dressing C Restroom	Fiberglass Pipe Insulation	Confirmed	FRI	60	LF	ND	**REM**	**Material has Asbestos Textured Paint on the Outside and Must be Treated as ACM**
1	027	Dressing C Restroom	Concrete Ceiling	Non Suspect ACM	x	72	SF	x	x	
1	027	Dressing C Restroom	Concrete Block Wall	Non Suspect ACM	x	410	SF	x	x	
1	027	Dressing C Restroom	Cement Floor	Non Suspect ACM	x	72	SF	x	x	
1	027	Dressing C Restroom	Textured Ceiling Paint	Confirmed	FRI	145	SF	ND	**REM**	**Material is also on Metal Ductwork, Hangers and Small Copper Piping**
1	028	Dressing C	Pipe Fitting Insulation	Assumed	FRI	21	EA	ND	NRN	
1	028	Dressing C	Fiberglass Pipe Insulation	Non Suspect ACM	x	120	LF	x	x	
1	028	Dressing C	Concrete Ceiling	Non Suspect ACM	x	176	SF	x	x	
1	028	Dressing C	Concrete Block Wall	Non Suspect ACM	x	650	SF	x	x	
1	028	Dressing C	Floor Tile VAT 12" x 12"	Assumed	NF1	176	SF	ND	NRN	
1	028	Dressing C	Cement Floor	Non Suspect ACM	x	176	SF	x	x	
1	029	Dressing D	Pipe Fitting Insulation	Assumed	FRI	11	EA	ND	NRN	
1	029	Dressing D	Fiberglass Pipe Insulation	Non Suspect ACM	x	105	LF	x	x	
1	029	Dressing D	Concrete Ceiling	Non Suspect ACM	x	225	SF	x	x	
1	029	Dressing D	Concrete Block Wall	Non Suspect ACM	x	820	SF	x	x	
1	029	Dressing D	Floor Tile VAT 12" x 12"	Assumed	NF1	225	SF	ND	NRN	
1	029	Dressing D	Cement Floor	Non Suspect ACM	x	225	SF	x	x	
1	030	Music Room	Fiberglass Pipe Insulation	Non Suspect ACM	x	8	LF	x	x	Former Art Room
1	030	Music Room	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	1300	SF	x	x	Former Art Room
1	030	Music Room	Concrete Ceiling	Non Suspect ACM	x	1300	SF	x	x	Former Art Room
1	030	Music Room	Concrete Block Wall	Non Suspect ACM	x	1340	SF	x	x	Former Art Room
1	030	Music Room	Transite	Confirmed	NF2	4	SF	ND	NRN	Former Art Room - Panel around door at entrance to main hallway. Panels face both the hallway and classroom. Quantity is included in the classroom only.
1	030	Music Room	Floor Tile VAT 12" x 12"	Assumed	NF1	1300	SF	ND	NRN	Former Art Room
1	030	Music Room	Cement Floor	Non Suspect ACM	x	1300	SF	x	x	Former Art Room
1	030	Music Room	Blackboard Glue Dots	Assumed	NF1	65	SF	ND	NRN	Former Art Room
1	030	Music Room	Sink Undercoat Mastic	Assumed	NF2	24	SF	ND	NRN	Black - Former Art Room
1	031	Music Room Closet	Fiberglass Pipe Insulation	Non Suspect ACM	x	30	LF	x	x	Former Art Room
1	031	Music Room Closet	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	250	SF	x	x	Former Art Room
1	031	Music Room Closet	Concrete Ceiling	Non Suspect ACM	x	250	SF	x	x	Former Art Room
1	031	Music Room Closet	Concrete Block Wall	Non Suspect ACM	x	600	SF	x	x	Former Art Room
1	031	Music Room Closet	Floor Tile VAT 12" x 12"	Assumed	NF1	250	SF	ND	NRN	Former Art Room
1	031	Music Room Closet	Cement Floor	Non Suspect ACM	x	250	SF	x	x	Former Art Room
1	032	Science Room	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	1155	SF	x	x	
1	032	Science Room	Concrete Ceiling	Non Suspect ACM	x	1155	SF	x	x	
1	032	Science Room	Concrete Block Wall	Non Suspect ACM	x	1360	SF	x	x	
1	032	Science Room	Floor Tile VAT 12" x 12"	Assumed	NF1	1060	SF	ND	NRN	
1	032	Science Room	Floor Tile VAT 12" x 12"	Assumed	NF1	95	SF	ND	NRN	
1	032	Science Room	Cement Floor	Non Suspect ACM	x	1155	SF	x	x	
1	032A	Science Room Closet at Rear of Room	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	25	SF	x	x	
1	032A	Science Room Closet at Rear of Room	Concrete Ceiling	Non Suspect ACM	x	25	SF	x	x	
1	032A	Science Room Closet at Rear of Room	Concrete Block Wall	Non Suspect ACM	x	175	SF	x	x	
1	032A	Science Room Closet at Rear of Room	Floor Tile VAT 12" x 12"	Assumed	NF1	23	SF	ND	NRN	
1	032A	Science Room Closet at Rear of Room	Floor Tile VAT 12" x 12"	Assumed	NF1	2	SF	ND	NRN	
1	032A	Science Room Closet at Rear of Room	Cement Floor	Non Suspect ACM	x	25	SF	x	x	
1	032B	Science Room Closet at Front of Room	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	21	SF	x	x	
1	032B	Science Room Closet at Front of Room	Concrete Ceiling	Non Suspect ACM	x	21	SF	x	x	
1	032B	Science Room Closet at Front of Room	Concrete Block Wall	Non Suspect ACM	x	175	SF	x	x	
1	032B	Science Room Closet at Front of Room	Floor Tile VAT 12" x 12"	Assumed	NF1	18	SF	ND	NRN	
1	032B	Science Room Closet at Front of Room	Floor Tile VAT 12" x 12"	Assumed	NF1	3	SF	ND	NRN	
1	032B	Science Room Closet at Front of Room	Cement Floor	Non Suspect ACM	x	21	SF	x	x	
1	033	Classroom adjacent to Women's Restroom and Nurse's Office	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	744	SF	x	x	
1	033	Classroom adjacent to Women's Restroom and Nurse's Office	Concrete Ceiling	Non Suspect ACM	x	744	SF	x	x	
1	033	Classroom adjacent to Women's Restroom and Nurse's Office	Concrete Block Wall	Non Suspect ACM	x	1100	SF	x	x	
1	033	Classroom adjacent to Women's Restroom and Nurse's Office	Floor Tile VAT 12" x 12"	Assumed	NF1	744	SF	ND	NRN	
1	033	Classroom adjacent to Women's Restroom and Nurse's Office	Cement Floor	Non Suspect ACM	x	744	SF	x	x	
1	033	Classroom adjacent to Women's Restroom and Nurse's Office	Blackboard Glue Dots	Assumed	NF1	55	SF	ND	NRN	
1	034	Women's Restroom adjacent to Nurse's Office	Fiberglass Pipe Insulation	Confirmed	FRI	20	LF	ND	NRN	Material has Asbestos Textured Paint on the Outside and Must be Treated as ACM
1	034	Women's Restroom adjacent to Nurse's Office	Concrete Ceiling	Non Suspect ACM	x	80	SF	x	x	
1	034	Women's Restroom adjacent to Nurse's Office	Concrete Block Wall	Non Suspect ACM	x	435	SF	x	x	
1	034	Women's Restroom adjacent to Nurse's Office	Cement Floor	Non Suspect ACM	x	80	SF	x	x	
1	034	Women's Restroom adjacent to Nurse's Office	Textured Ceiling Paint	Confirmed	FRI	130	SF	ND	NRN	Material is also on Fiberglass Pipe Insulation and Metal Duct near the Ceiling

School District of Philadelphia

Asbestos Inspection Report - Section 9

John B. Kelly Elementary School (6470)

5116 Pulaski Avenue, 19144

Prepared by: Bernard J. Bryson

Certification # 0437 Date: 3/16/2018

Mechanical Plant Replacement Project

Survey Type

_____ 6 Month Surveillance

_____ Three- Year Reinspection IX

_____ AIR/EIE

__X__ **Asbestos Abatement Activity**

_____ Bulk Sampling Event

Bid Number: MC-B-004C of 2017/2018, EC-B-024C of 2017/2018, GC-B-003C of 2017/2018

Floor	*Space # (on Floor Plan)*	*Onsite Room Name*	*Material Description*	*Confirmed, Assumed, NAD, Non Suspect ACM*	*Type (Code 1)*	*Amount of Material*	*SF/LF/EA*	*Condition (Code 2)*	*Action (Code 3)*	*Comments/Description/Notes*
1	035	Nurse's Office Storage Area across from Restroom	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	42	SF	x	x	
1	035	Nurse's Office Storage Area across from Restroom	Concrete Ceiling	Non Suspect ACM	x	42	SF	x	x	
1	035	Nurse's Office Storage Area across from Restroom	Concrete Block Wall	Non Suspect ACM	x	210	SF	x	x	
1	035	Nurse's Office Storage Area across from Restroom	Floor Tile VAT 12" x 12"	Assumed	NF1	42	SF	ND	NRN	
1	035	Nurse's Office Storage Area across from Restroom	Cement Floor	Non Suspect ACM	x	42	SF	x	x	
1	035A	Nurse's Office Restroom	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	32	SF	x	x	
1	035A	Nurse's Office Restroom	Concrete Ceiling	Non Suspect ACM	x	32	SF	x	x	
1	035A	Nurse's Office Restroom	Concrete Block Wall	Non Suspect ACM	x	170	SF	x	x	
1	035A	Nurse's Office Restroom	Cement Floor	Non Suspect ACM	x	32	SF	x	x	
1	035B	Office inside Nurse's Office	Floor Tile VAT 12" x 12"	Assumed	NF1	56	SF	ND	NRN	
	035B	Office inside Nurse's Office	Concrete Block Wall	Non Suspect ACM	x	168	SF	x	x	
	035B	Office inside Nurse's Office	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	56	SF	x	x	
1	035C	Nurse's Office Exam Room	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	242	SF	x	x	
1	035C	Nurse's Office Exam Room	Concrete Ceiling	Non Suspect ACM	x	242	SF	x	x	
1	035C	Nurse's Office Exam Room	Concrete Block Wall	Non Suspect ACM	x	660	SF	x	x	
1	035C	Nurse's Office Exam Room	Floor Tile VAT 12" x 12"	Assumed	NF1	242	SF	ND	NRN	
1	035C	Nurse's Office Exam Room	Cement Floor	Non Suspect ACM	x	242	SF	x	x	
1	035D	Nurse's Office	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	200	SF	x	x	
1	035D	Nurse's Office	Concrete Ceiling	Non Suspect ACM	x	200	SF	x	x	
1	035D	Nurse's Office	Concrete Block Wall	Non Suspect ACM	x	640	SF	x	x	
1	035D	Nurse's Office	Floor Tile VAT 12" x 12"	Assumed	NF1	200	SF	ND	NRN	
1	035D	Nurse's Office	Cement Floor	Non Suspect ACM	x	200	SF	x	x	
1	036	Men's Restroom by Cafeteria	Fiberglass Pipe Insulation	Non Suspect ACM	x	30	LF	x	x	No Asbestos Textured Paint applied to FGPI associated with the 3 Pipe Risers
	036	Men's Restroom by Cafeteria	Pipe Fitting Insulation	Assumed	FRI	3	EA	ND	**REM**	**associated with the 3 Pipe Risers**
1	036	Men's Restroom by Cafeteria	Concrete Ceiling	Non Suspect ACM	x	100	SF	x	x	
1	036	Men's Restroom by Cafeteria	Concrete Block Wall	Non Suspect ACM	x	400	SF	x	x	
1	036	Men's Restroom by Cafeteria	Cement Floor	Non Suspect ACM	x	100	SF	x	x	
1	036	Men's Restroom by Cafeteria	Textured Ceiling Paint	Confirmed	FRI	170	SF	ND	**REM**	**Material is also on Metal Ductwork, Hangers and Small Copper Piping**
1	036A	Janitor's Closet - Door to Right of Men's Restroom by Cafeteria	Cement Floor	Non Suspect ACM	x	24	SF	x	x	
	036A	Janitor's Closet - Door to Right of Men's Restroom by Cafeteria	Concrete Block Wall	Non Suspect ACM	x	72	SF	x	x	
	036A	Janitor's Closet - Door to Right of Men's Restroom by Cafeteria	Textured Ceiling Paint	Confirmed	FRI	24	SF	ND	NRN	No Existing Pipework Identified
1	037	Conference Room between Nurse's Office and Principal's Office	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	220	SF	x	x	
1	037	Conference Room between Nurse's Office and Principal's Office	Concrete Ceiling	Non Suspect ACM	x	220	SF	x	x	
1	037	Conference Room between Nurse's Office and Principal's Office	Concrete Block Wall	Non Suspect ACM	x	600	SF	x	x	
1	037	Conference Room between Nurse's Office and Principal's Office	Floor Tile VAT 12" x 12"	Assumed	NF1	220	SF	ND	NRN	
1	037	Conference Room between Nurse's Office and Principal's Office	Cement Floor	Non Suspect ACM	x	220	SF	x	x	
1	038	Principal's Office	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	360	SF	x	x	
1	038	Principal's Office	Concrete Ceiling	Non Suspect ACM	x	360	SF	x	x	
1	038	Principal's Office	Concrete Block Wall	Non Suspect ACM	x	930	SF	x	x	
1	038	Principal's Office	Floor Tile VAT 12" x 12"	Assumed	NF1	360	SF	ND	NRN	Possible Double Layer
1	038	Principal's Office	Cement Floor	Non Suspect ACM	x	360	SF	x	x	
1	038A	Principal's Office Restroom	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	25	SF	x	x	
1	038A	Principal's Office Restroom	Concrete Ceiling	Non Suspect ACM	x	25	SF	x	x	
1	038A	Principal's Office Restroom	Concrete Block Wall	Non Suspect ACM	x	215	SF	x	x	
1	038A	Principal's Office Restroom	Cement Floor	Non Suspect ACM	x	25	SF	x	x	
1	039	Administrative Assistant Office	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	160	SF	x	x	
1	039	Administrative Assistant Office	Concrete Ceiling	Non Suspect ACM	x	160	SF	x	x	
1	039	Administrative Assistant Office	Concrete Block Wall	Non Suspect ACM	x	460	SF	x	x	
1	039	Administrative Assistant Office	Transite	Confirmed	NF2	56	SF	ND	NRN	
1	039	Administrative Assistant Office	Floor Tile VAT 12" x 12"	Assumed	NF1	160	SF	ND	NRN	
1	039	Administrative Assistant Office	Cement Floor	Non Suspect ACM	x	160	SF	x	x	
1	039A	Main Office Mechanical Room	Pipe Fitting Insulation	Assumed	FRI	20	EA	ND	**REM**	**Remove All ACPFs**
1	039A	Main Office Mechanical Room	Fiberglass Pipe Insulation	Non Suspect ACM	x	65	LF	x	x	
1	039A	Main Office Mechanical Room	Neoprene Pipe Insulation	Non Suspect ACM	x	22	LF	x	x	
1	039A	Main Office Mechanical Room	Vibration Damper Cloth	Non Suspect ACM	x	20	SF	x	x	Black Vinyl Flexible Duct Connector
1	040	Workroom/Copy Room/Office Supplies	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	160	SF	x	x	
1	040	Workroom/Copy Room/Office Supplies	Concrete Ceiling	Non Suspect ACM	x	160	SF	x	x	
1	040	Workroom/Copy Room/Office Supplies	Concrete Block Wall	Non Suspect ACM	x	460	SF	x	x	
1	040	Workroom/Copy Room/Office Supplies	Floor Tile VAT 12" x 12"	Assumed	NF1	160	SF	ND	NRN	
1	040	Workroom/Copy Room/Office Supplies	Cement Floor	Non Suspect ACM	x	160	SF	x	x	
1	040	Workroom/Copy Room/Office Supplies	Sink Undercoat Mastic	Assumed	NF2	10	SF	ND	NRN	Black
1	041	Main Office	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	560	SF	x	x	
1	041	Main Office	Concrete Ceiling	Non Suspect ACM	x	560	SF	x	x	
1	041	Main Office	Concrete Block Wall	Non Suspect ACM	x	760	SF	x	x	
1	041	Main Office	Floor Tile VAT 12" x 12"	Assumed	NF1	560	SF	ND	NRN	
1	041	Main Office	Cement Floor	Non Suspect ACM	x	560	SF	x	x	
1	041A	Hallway inside Main Office to Principal's Office	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	80	SF	x	x	
1	041A	Hallway inside Main Office to Principal's Office	Concrete Ceiling	Non Suspect ACM	x	80	SF	x	x	
1	041A	Hallway inside Main Office to Principal's Office	Concrete Block Wall	Non Suspect ACM	x	180	SF	x	x	
1	041A	Hallway inside Main Office to Principal's Office	Floor Tile VAT 12" x 12"	Assumed	NF1	48	SF	ND	NRN	
1	041A	Hallway inside Main Office to Principal's Office	Floor Tile VAT 12" x 12"	Assumed	NF1	32	SF	ND	NRN	
1	041A	Hallway inside Main Office to Principal's Office	Cement Floor	Non Suspect ACM	x	80	SF	x	x	
1	042	Telecommunication Equipment Room	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	117	SF	x	x	labeled Counselor's Office closest to Main Office
1	042	Telecommunication Equipment Room	Concrete Ceiling	Non Suspect ACM	x	117	SF	x	x	labeled Counselor's Office closest to Main Office

School District of Philadelphia

Asbestos Inspection Report - Section 9

John B. Kelly Elementary School (6470)

5116 Pulaski Avenue, 19144

Prepared by: Bernard J. Bryson

Certification # 0437 Date: 3/16/2018

Mechanical Plant Replacement Project

Survey Type

_____ 6 Month Surveillance

_____ Three- Year Reinspection IX

_____ AIR/EIE

__X__ **Asbestos Abatement Activity**

_____ Bulk Sampling Event

Bid Number: MC-B-004C of 2017/2018, EC-B-024C of 2017/2018, GC-B-003C of 2017/2018

Floor	Space # (on Floor Plan)	Onsite Room Name	Material Description	Confirmed, Assumed, NAD, Non Suspect ACM	Type (Code 1)	Amount of Material	SF/LF/EA	Condition (Code 2)	Action (Code 3)	Comments/Description/Notes
1	042	Telecommunication Equipment Room	Concrete Block Wall	Non Suspect ACM	x	440	SF	x	x	labeled Counselor's Office closest to Main Office
1	042	Telecommunication Equipment Room	Floor Tile VAT 12" x 12"	Assumed	NF1	117	SF	ND	NRN	labeled Counselor's Office closest to Main Office
1	042	Telecommunication Equipment Room	Cement Floor	Non Suspect ACM	x	117	SF	x	x	labeled Counselor's Office closest to Main Office
1	043	Counselor's Office	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	115	SF	x	x	
1	043	Counselor's Office	Concrete Ceiling	Non Suspect ACM	x	115	SF	x	x	
1	043	Counselor's Office	Concrete Block Wall	Non Suspect ACM	x	355	SF	x	x	
1	043	Counselor's Office	Floor Tile VAT 12" x 12"	Assumed	NF1	115	SF	ND	NRN	
1	043	Counselor's Office	Cement Floor	Non Suspect ACM	x	115	SF	x	x	
1	101	Classroom 101	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	868	SF	x	x	
1	101	Classroom 101	Concrete Ceiling	Non Suspect ACM	x	868	SF	x	x	
1	101	Classroom 101	Sheetrock Wall	NAD	x	85	SF	x	x	
1	101	Classroom 101	Concrete Block Wall	Non Suspect ACM	x	1200	SF	x	x	
1	101	Classroom 101	Floor Tile VAT 12" x 12"	Assumed	NF1	868	SF	ND	NRN	
1	101	Classroom 101	Cement Floor	Non Suspect ACM	x	868	SF	x	x	
1	101	Classroom 101	Blackboard Glue Dots	Assumed	NF1	130	SF	ND	NRN	
1	101A	Classroom 101 Small Restroom	Concrete Ceiling	Non Suspect ACM	x	36	SF	x	x	
1	101A	Classroom 101 Small Restroom	Concrete Block Wall	Non Suspect ACM	x	290	SF	x	x	
1	101A	Classroom 101 Small Restroom	Floor Tile VAT 12" x 12"	Assumed	NF1	36	SF	ND	NRN	Possible Double Layer
1	101A	Classroom 101 Small Restroom	Cement Floor	Non Suspect ACM	x	36	SF	x	x	
1	101B	Classroom 101 Large Restroom	Fiberglass Pipe Insulation	Non Suspect ACM	x	24	LF	x	x	
1	101B	Classroom 101 Large Restroom	Concrete Ceiling	Non Suspect ACM	x	56	SF	x	x	
1	101B	Classroom 101 Large Restroom	Sheetrock Wall	NAD	x	85	SF	x	x	
1	101B	Classroom 101 Large Restroom	Concrete Block Wall	Non Suspect ACM	x	135	SF	x	x	
1	101B	Classroom 101 Large Restroom	Floor Tile VAT 12" x 12"	Assumed	NF1	56	SF	ND	NRN	
1	101B	Classroom 101 Large Restroom	Cement Floor	Non Suspect ACM	x	56	SF	x	x	
1	102	Classroom 102	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	850	SF	x	x	
1	102	Classroom 102	Concrete Ceiling	Non Suspect ACM	x	850	SF	x	x	
1	102	Classroom 102	Concrete Block Wall	Non Suspect ACM	x	1200	SF	x	x	
1	102	Classroom 102	Floor Tile VAT 12" x 12"	Assumed	NF1	850	SF	ND	NRN	
1	102	Classroom 102	Cement Floor	Non Suspect ACM	x	850	SF	x	x	
1	102	Classroom 102	Blackboard Glue Dots	Assumed	NF1	100	SF	ND	NRN	
1	102A	Office 102A	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	380	SF	x	x	Divider Wall Removed with 103A
1	102A	Office 102A	Concrete Ceiling	Non Suspect ACM	x	380	SF	x	x	Divider Wall Removed with 103A
1	102A	Office 102A	Concrete Block Wall	Non Suspect ACM	x	430	SF	x	x	Divider Wall Removed with 103A
1	102A	Office 102A	Floor Tile VAT 12" x 12"	Assumed	NF1	380	SF	ND	NRN	Divider Wall Removed with 103A
1	102A	Office 102A	Cement Floor	Non Suspect ACM	x	380	SF	x	x	Divider Wall Removed with 103A
1	103A	Office 103A	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	380	SF	x	x	Divider Wall Removed with 102A
1	103A	Office 103A	Concrete Ceiling	Non Suspect ACM	x	380	SF	x	x	Divider Wall Removed with 102A
1	103A	Office 103A	Concrete Block Wall	Non Suspect ACM	x	430	SF	x	x	Divider Wall Removed with 102A
1	103A	Office 103A	Floor Tile VAT 12" x 12"	Assumed	NF1	380	SF	ND	NRN	Divider Wall Removed with 102A
1	103A	Office 103A	Cement Floor	Non Suspect ACM	x	380	SF	x	x	Divider Wall Removed with 102A
1	103	Classroom 103	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	850	SF	x	x	
1	103	Classroom 103	Concrete Ceiling	Non Suspect ACM	x	850	SF	x	x	
1	103	Classroom 103	Concrete Block Wall	Non Suspect ACM	x	860	SF	x	x	
1	103	Classroom 103	Sheetrock Wall	NAD	x	340	SF	x	x	
1	103	Classroom 103	Floor Tile VAT 12" x 12"	Assumed	NF1	761	SF	ND	NRN	
1	103	Classroom 103	Floor Tile VAT 12" x 12"	Assumed	NF1	89	SF	ND	NRN	
1	103	Classroom 103	Cement Floor	Non Suspect ACM	x	850	SF	x	x	
1	103	Classroom 103	Blackboard Glue Dots	Assumed	NF1	130	SF	ND	NRN	
1	103	Classroom 103	Sink Undercoat Mastic	Assumed	NF2	6	SF	ND	NRN	Black
1	103	Classroom 103 - Entrance Walls and Ceiling	Transite	Confirmed	NF2	72	SF	ND	NRN	
1	104	Classroom 104	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	850	SF	x	x	
1	104	Classroom 104	Concrete Ceiling	Non Suspect ACM	x	850	SF	x	x	
1	104	Classroom 104	Concrete Block Wall	Non Suspect ACM	x	500	SF	x	x	
1	104	Classroom 104	Sheetrock Wall	NAD	x	700	SF	x	x	
1	104	Classroom 104	Floor Tile VAT 12" x 12"	Assumed	NF1	850	SF	ND	NRN	
1	104	Classroom 104	Cement Floor	Non Suspect ACM	x	850	SF	x	x	
1	104	Classroom 104	Blackboard Glue Dots	Assumed	NF1	115	SF	ND	NRN	
1	104	Classroom 104	Sink Undercoat Mastic	Assumed	NF2	6	SF	ND	NRN	Black
1	105	Classroom 105	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	850	SF	x	x	
1	105	Classroom 105	Concrete Ceiling	Non Suspect ACM	x	850	SF	x	x	
1	105	Classroom 105	Sheetrock Wall	NAD	x	700	SF	x	x	
1	105	Classroom 105	Concrete Block Wall	Non Suspect ACM	x	500	SF	x	x	
1	105	Classroom 105	Floor Tile VAT 12" x 12"	Assumed	NF1	850	SF	ND	NRN	
1	105	Classroom 105	Cement Floor	Non Suspect ACM	x	850	SF	x	x	
1	105	Classroom 105	Blackboard Glue Dots	Assumed	NF1	115	SF	ND	NRN	
1	105	Classroom 105	Sink Undercoat Mastic	Assumed	NF2	6	SF	ND	NRN	Black
1	106	Classroom 106	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	850	SF	x	x	
1	106	Classroom 106	Concrete Ceiling	Non Suspect ACM	x	850	SF	x	x	
1	106	Classroom 106	Sheetrock Wall	NAD	x	340	SF	x	x	
1	106	Classroom 106	Concrete Block Wall	Non Suspect ACM	x	860	SF	x	x	
1	106	Classroom 106	Floor Tile VAT 12" x 12"	Assumed	NF1	850	SF	ND	NRN	
1	106	Classroom 106	Cement Floor	Non Suspect ACM	x	850	SF	x	x	
1	106	Classroom 106	Blackboard Glue Dots	Assumed	NF1	130	SF	ND	NRN	
1	106	Classroom 106	Sink Undercoat Mastic	Assumed	NF2	6	SF	ND	NRN	Black
1	103	Classroom 106 - Entrance Walls and Ceiling	Transite	Confirmed	NF2	72	SF	ND	NRN	
1	107	Classroom 107	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	850	SF	x	x	
1	107	Classroom 107	Concrete Ceiling	Non Suspect ACM	x	850	SF	x	x	
1	107	Classroom 107	Concrete Block Wall	Non Suspect ACM	x	970	SF	x	x	
1	107	Classroom 107	Partition Room Dividers	Non Suspect ACM	x	230	SF	x	x	
1	107	Classroom 107	Floor Tile VAT 12" x 12"	Assumed	NF1	850	SF	ND	NRN	
1	107	Classroom 107	Cement Floor	Non Suspect ACM	x	850	SF	x	x	
1	107	Classroom 107	Blackboard Glue Dots	Assumed	NF1	130	SF	ND	NRN	
1	107	Classroom 107	Sink Undercoat Mastic	Assumed	NF2	6	SF	ND	NRN	Black
1	108	Classroom 108	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	850	SF	x	x	
1	108	Classroom 108	Concrete Ceiling	Non Suspect ACM	x	850	SF	x	x	
1	108	Classroom 108	Concrete Block Wall	Non Suspect ACM	x	970	SF	x	x	
1	108	Classroom 108	Partition Room Dividers	Non Suspect ACM	x	230	SF	x	x	
1	108	Classroom 108	Floor Tile VAT 12" x 12"	Assumed	NF1	425	SF	ND	NRN	
1	108	Classroom 108	Floor Tile VAT 12" x 12"	Assumed	NF1	425	SF	ND	NRN	
1	108	Classroom 108	Cement Floor	Non Suspect ACM	x	850	SF	x	x	
1	108	Classroom 108	Blackboard Glue Dots	Assumed	NF1	130	SF	ND	NRN	
1	108	Classroom 108	Sink Undercoat Mastic	Assumed	NF2	6	SF	ND	NRN	Black
1	109	Classroom 109	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	850	SF	x	x	
1	109	Classroom 109	Concrete Ceiling	Non Suspect ACM	x	850	SF	x	x	

		School District of Philadelphia	Survey Type							
		Asbestos Inspection Report - Section 9	_____ 6 Month Surveillance							
		John B. Kelly Elementary School (6470)	_____ Three- Year Reinspection IX							
		5116 Pulaski Avenue, 19144	_____ AIR/EIE							
		Prepared by: Bernard J. Bryson	__X__ Asbestos Abatement Activity							
		Certification # 0437 Date: 3/16/2018	_____ Bulk Sampling Event							
		Mechanical Plant Replacement Project	Bid Number: MC-B-004C of 2017/2018, EC-B-024C of 2017/2018, GC-B-003C of 2017/2018							
Floor	*Space # (on Floor Plan)*	*Onsite Room Name*	*Material Description*	*Confirmed, Assumed, NAD, Non Suspect ACM*	*Type (Code 1)*	*Amount of Material*	*SF/LF/EA*	*Condition (Code 2)*	*Action (Code 3)*	*Comments/Description/Notes*
1	109	Classroom 109	Concrete Block Wall	Non Suspect ACM	x	970	SF	x	x	
1	109	Classroom 109	Partition Room Dividers	Non Suspect ACM	x	230	SF	x	x	
1	109	Classroom 109	Floor Tile VAT 12" x 12"	Assumed	NF1	770	SF	ND	NRN	
1	109	Classroom 109	Floor Tile VAT 12" x 12"	Assumed	NF1	80	SF	ND	NRN	
1	109	Classroom 109	Cement Floor	Non Suspect ACM	x	850	SF	x	x	
1	109	Classroom 109	Blackboard Glue Dots	Assumed	NF1	130	SF	ND	NRN	
1	109	Classroom 109	Sink Undercoat Mastic	Assumed	NF2	6	SF	ND	NRN	Black
1	108A	Girl's Restroom across from Classroom 108	Fiberglass Pipe Insulation	Confirmed	FRI	31	LF	ND	NRN	Material has Asbestos Textured Paint on the Outside and Must be Treated as ACM
1	108A	Girl's Restroom across from Classroom 108	Concrete Ceiling	Non Suspect ACM	x	54	SF	x	x	
1	108A	Girl's Restroom across from Classroom 108	Concrete Block Wall	Non Suspect ACM	x	360	SF	x	x	
1	108A	Girl's Restroom across from Classroom 108	Cement Floor	Non Suspect ACM	x	54	SF	x	x	
1	108A	Girl's Restroom across from Classroom 108	Textured Ceiling Paint	Confirmed	FRI	100	SF	ND	NRN	Material is also on Fiberglass Pipe Insulation and Metal Duct near the Ceiling
	109B	Custodial Closet across from Classroom 109	Cement Floor	Non Suspect ACM	x	54	SF	x	x	
	109B	Custodial Closet across from Classroom 109	Concrete Block Wall	Non Suspect ACM	x	150	SF	x	x	
1	109B	Custodial Closet across from Classroom 109	Concrete Ceiling	Non Suspect ACM	x	54	SF	x	x	
	109B	Custodial Closet across from Classroom 109	Fiberglass Pipe Insulation	Non Suspect ACM	x	3	LF	x	x	
	109C	Pipe Chase inside Custodial Closet across from Classroom 109	Fiberglass Pipe Insulation	Non Suspect ACM	x	10	LF	x	x	
	109C	Pipe Chase inside Custodial Closet across from Classroom 109	Pipe Fitting Insulation	Assumed	FRI	8	EA	ND	NRN	
1	109A	Boy's Restroom across from Classroom 109	Fiberglass Pipe Insulation	Confirmed	FRI	27	LF	ND	NRN	Material has Asbestos Textured Paint on the Outside and Must be Treated as ACM
1	109A	Boy's Restroom across from Classroom 109	Concrete Ceiling	Non Suspect ACM	x	54	SF	x	x	
1	109A	Boy's Restroom across from Classroom 109	Concrete Block Wall	Non Suspect ACM	x	360	SF	x	x	
1	109A	Boy's Restroom across from Classroom 109	Cement Floor	Non Suspect ACM	x	54	SF	x	x	
1	109A	Boy's Restroom across from Classroom 109	Textured Ceiling Paint	Confirmed	FRI	100	SF	ND	NRN	Material is also on Fiberglass Pipe Insulation and Metal Duct near the Ceiling
1	110	Classroom 110	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	850	SF	x	x	
1	110	Classroom 110	Concrete Ceiling	Non Suspect ACM	x	850	SF	x	x	
1	110	Classroom 110	Concrete Block Wall	Non Suspect ACM	x	970	SF	x	x	
1	110	Classroom 110	Partition Room Dividers	Non Suspect ACM	x	230	SF	x	x	
1	110	Classroom 110	Floor Tile VAT 12" x 12"	Assumed	NF1	850	SF	ND	NRN	
1	110	Classroom 110	Cement Floor	Non Suspect ACM	x	850	SF	x	x	
1	110	Classroom 110	Blackboard Glue Dots	Assumed	NF1	130	SF	ND	NRN	
1	110	Classroom 110	Sink Undercoat Mastic	Assumed	NF2	6	SF	ND	NRN	Black
1	111	Classroom 111	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	850	SF	x	x	
1	111	Classroom 111	Concrete Ceiling	Non Suspect ACM	x	850	SF	x	x	
1	111	Classroom 111	Concrete Block Wall	Non Suspect ACM	x	860	SF	x	x	
1	111	Classroom 111	Sheetrock Wall	NAD	x	340	SF	x	x	
1	111	Classroom 111	Floor Tile VAT 12" x 12"	Assumed	NF1	850	SF	ND	NRN	
1	111	Classroom 111	Cement Floor	Non Suspect ACM	x	850	SF	x	x	
1	111	Classroom 111	Blackboard Glue Dots	Assumed	NF1	130	SF	ND	NRN	
1	111	Classroom 111	Sink Undercoat Mastic	Assumed	NF2	6	SF	ND	NRN	Black
1	103	Classroom 111 - Entrance Walls	Transite	Confirmed	NF2	24	SF	ND	NRN	
1	112	Classroom 112	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	850	SF	x	x	
1	112	Classroom 112	Concrete Ceiling	Non Suspect ACM	x	850	SF	x	x	
1	112	Classroom 112	Sheetrock Wall	NAD	x	700	SF	x	x	
1	112	Classroom 112	Concrete Block Wall	Non Suspect ACM	x	500	SF	x	x	
1	112	Classroom 112	Floor Tile VAT 12" x 12"	Assumed	NF1	850	SF	ND	NRN	
1	112	Classroom 112	Cement Floor	Non Suspect ACM	x	850	SF	x	x	
1	112	Classroom 112	Blackboard Glue Dots	Assumed	NF1	115	SF	ND	NRN	
1	112	Classroom 112	Sink Undercoat Mastic	Assumed	NF2	6	SF	ND	NRN	Black
1	113	Classroom 113	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	850	SF	x	x	
1	113	Classroom 113	Concrete Ceiling	Non Suspect ACM	x	850	SF	x	x	
1	113	Classroom 113	Sheetrock Wall	NAD	x	700	SF	x	x	
1	113	Classroom 113	Concrete Block Wall	Non Suspect ACM	x	500	SF	x	x	
1	113	Classroom 113	Floor Tile VAT 12" x 12"	Assumed	NF1	850	SF	ND	NRN	
1	113	Classroom 113	Cement Floor	Non Suspect ACM	x	850	SF	x	x	
1	113	Classroom 113	Blackboard Glue Dots	Assumed	NF1	115	SF	ND	NRN	
1	113	Classroom 113	Sink Undercoat Mastic	Assumed	NF2	6	SF	ND	NRN	Black
1	114	Classroom 114	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	850	SF	x	x	
1	114	Classroom 114	Concrete Ceiling	Non Suspect ACM	x	850	SF	x	x	
1	114	Classroom 114	Sheetrock Wall	NAD	x	340	SF	x	x	
1	114	Classroom 114	Concrete Block Wall	Non Suspect ACM	x	860	SF	x	x	
1	114	Classroom 114	Floor Tile VAT 12" x 12"	Assumed	NF1	850	SF	ND	NRN	
1	114	Classroom 114	Cement Floor	Non Suspect ACM	x	850	SF	x	x	
1	114	Classroom 114	Blackboard Glue Dots	Assumed	NF1	130	SF	ND	NRN	
1	114	Classroom 114	Sink Undercoat Mastic	Assumed	NF2	6	SF	ND	NRN	Black
1	103	Classroom 114 - Entrance Walls and Ceiling	Transite	Confirmed	NF2	72	SF	ND	NRN	
1	115A	Elevator Mechanical Room adjacent to Elevator	Fiberglass Pipe Insulation	Non Suspect ACM	x	8	LF	x	x	
1	115	Girl's Restroom near Elevator	Concrete Ceiling	Non Suspect ACM	x	209	SF	x	x	
1	115	Girl's Restroom near Elevator	Concrete Block Wall	Non Suspect ACM	x	720	SF	x	x	
1	115	Girl's Restroom near Elevator	Cement Floor	Non Suspect ACM	x	209	SF	x	x	
1	115	Girl's Restroom near Elevator	Textured Ceiling Paint	Confirmed	FRI	325	SF	ND	**REM**	**Material is also on Metal Ductwork, Pipe Hangers and Small Copper Piping**
1	115B	Pipe Chase between Boy's and Girl's Restrooms near Elevator	x	x	x	x	x	x	x	**No Access - No Key**
1	116	Boy's Restroom near Elevator	Concrete Ceiling	Non Suspect ACM	x	209	SF	x	x	
1	116	Boy's Restroom near Elevator	Concrete Block Wall	Non Suspect ACM	x	720	SF	x	x	
1	116	Boy's Restroom near Elevator	Cement Floor	Non Suspect ACM	x	209	SF	x	x	

School District of Philadelphia

Asbestos Inspection Report - Section 9

John B. Kelly Elementary School (6470)

5116 Pulaski Avenue, 19144

Prepared by: Bernard J. Bryson

Certification # 0437 Date: 3/16/2018

Mechanical Plant Replacement Project

Survey Type

_____ 6 Month Surveillance

_____ Three- Year Reinspection IX

_____ AIR/EIE

__X__ **Asbestos Abatement Activity**

_____ Bulk Sampling Event

Bid Number: MC-B-004C of 2017/2018, EC-B-024C of 2017/2018, GC-B-003C of 2017/2018

Floor	*Space # (on Floor Plan)*	*Onsite Room Name*	*Material Description*	*Confirmed, Assumed, NAD, Non Suspect ACM*	*Type (Code 1)*	*Amount of Material*	*SF/LF/EA*	*Condition (Code 2)*	*Action (Code 3)*	*Comments/Description/Notes*
1	116	Boy's Restroom near Elevator	Textured Ceiling Paint	Confirmed	FRI	325	SF	ND	**REM**	**Material is also on Metal Ductwork, Pipe Hangers and Small Copper Piping**
1	116A	Custodial Closet across from Elevator	Fiberglass Pipe Insulation	Confirmed	FRI	8	LF	ND	**REM**	**Material has Asbestos Textured Paint on the Outside and Must be Treated as ACM**
	116A	Custodial Closet across from Elevator	Concrete Block Wall	Non Suspect ACM	x	180	SF	x	x	
1	116A	Custodial Closet across from Elevator	Textured Ceiling Paint	Confirmed	FRI	60	SF	ND	**REM**	**Material is also on Fiberglass Pipe Insulation**
1	116A	Custodial Closet across from Elevator	Cement Floor	Non Suspect ACM	x	40	SF	x	x	
1	117	Women's Restroom near Main Lobby	Concrete Ceiling	Non Suspect ACM	x	125	SF	x	x	
1	117	Women's Restroom near Main Lobby	Concrete Block Wall	Non Suspect ACM	x	555	SF	x	x	
1	117	Women's Restroom near Main Lobby	Floor Tile VAT 12" x 12"	Assumed	NF1	125	SF	ND	NRN	Possible Double Layer
1	117	Women's Restroom near Main Lobby	Cement Floor	Non Suspect ACM	x	125	SF	x	x	
1	117	Women's Restroom near Main Lobby	Textured Ceiling Paint	Confirmed	FRI	255	SF	ND	**REM**	**Material is also on Metal Ductwork, Pipe Hangers and Small Copper Piping**
1	118	Men's Restroom near Main Lobby	Fiberglass Pipe Insulation	Non Suspect ACM	FRI	42	LF	ND	NRN	Material has Asbestos Textured Paint on the Outside and Must be Treated as ACM
1	118	Men's Restroom near Main Lobby	Concrete Ceiling	Non Suspect ACM	x	110	SF	x	x	
1	118	Men's Restroom near Main Lobby	Concrete Block Wall	Non Suspect ACM	x	540	SF	x	x	
1	118	Men's Restroom near Main Lobby	Floor Tile VAT 12" x 12"	Assumed	NF1	110	SF	ND	NRN	
1	118	Men's Restroom near Main Lobby	Cement Floor	Non Suspect ACM	x	110	SF	x	x	
1	118	Men's Restroom near Main Lobby	Textured Ceiling Paint	Confirmed	FRI	170	SF	ND	NRN	Material is also on Fiberglass Pipe Insulation and Metal Duct near the Ceiling
1	118A	Pipe Chase inside Men's Restroom near Main Lobby	Fiberglass Pipe Insulation	Non Suspect ACM	x	40	LF	x	x	
	118A	Pipe Chase inside Men's Restroom near Main Lobby	Pipe Fitting Insulation	Assumed	FRI	16	EA	ND	NRN	
1	119	Storage Room across from Classroom 114	Fiberglass Pipe Insulation	Confirmed	FRI	35	LF	ND	**REM**	**Material has Asbestos Textured Paint on the Outside and Must be Treated as ACM**
	119	Storage Room across from Classroom 114	Fiberglass Pipe Insulation	Non Suspect ACM	x	40	LF	x	x	No Asbestos Textured Paint
1	119	Storage Room across from Classroom 114	Concrete Ceiling	Non Suspect ACM	x	760	SF	x	x	
1	119	Storage Room across from Classroom 114	Concrete Block Wall	Non Suspect ACM	x	1420	SF	x	x	
1	119	Storage Room across from Classroom 114	Floor Tile VAT 12" x 12"	Assumed	NF1	760	SF	ND	NRN	
1	119	Storage Room across from Classroom 114	Cement Floor	Non Suspect ACM	x	760	SF	x	x	
1	119	Storage Room across from Classroom 114	Textured Ceiling Paint	Confirmed	FRI	1510	SF	ND	**REM 80 SF only**	**Material is also on Fiberglass Pipe Insulation and Metal Ductwork**
1	120	Electrical Room by IMC	Fiberglass Pipe Insulation	Non Suspect ACM	x	24	LF	x	x	
1	121	IMC	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	2655	SF	x	x	
1	121	IMC	Concrete Ceiling	Non Suspect ACM	x	2655	SF	x	x	
1	121	IMC	Concrete Block Wall	Non Suspect ACM	x	970	SF	x	x	
1	121	IMC	Floor Tile VAT 12" x 12"	Assumed	NF1	2482	SF	ND	NRN	
1	121	IMC	Floor Tile VAT 12" x 12"	Assumed	NF1	173	SF	ND	NRN	
1	121	IMC	Cement Floor	Non Suspect ACM	x	2655	SF	x	x	
1	121	IMC	Carpet	Non Suspect ACM	x	865	SF	x	x	Floor tile is assumed below carpet but could not be confirmed present
1	121A	Elevated IMC Area facing Main Lobby	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	845	SF	x	x	
1	121A	Elevated IMC Area facing Main Lobby	Concrete Ceiling	Non Suspect ACM	x	845	SF	x	x	
1	121A	Elevated IMC Area facing Main Lobby	Concrete Block Wall	Non Suspect ACM	x	960	SF	x	x	
1	121A	Elevated IMC Area facing Main Lobby	Floor Tile VAT 12" x 12"	Assumed	NF1	785	SF	ND	NRN	
1	121A	Elevated IMC Area facing Main Lobby	Floor Tile VAT 12" x 12"	Assumed	NF1	60	SF	ND	NRN	
1	121A	Elevated IMC Area facing Main Lobby	Cement Floor	Non Suspect ACM	x	845	SF	x	x	
1	121B	Elevated IMC Area facing Classroom 105	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	575	SF	x	x	
1	121B	Elevated IMC Area facing Classroom 105	Concrete Ceiling	Non Suspect ACM	x	575	SF	x	x	
1	121B	Elevated IMC Area facing Classroom 105	Sheetrock Wall	NAD	x	355	SF	x	x	
1	121B	Elevated IMC Area facing Classroom 105	Concrete Block Wall	Non Suspect ACM	x	485	SF	x	x	
1	121B	Elevated IMC Area facing Classroom 105	Floor Tile VAT 12" x 12"	Assumed	NF1	514	SF	ND	NRN	
1	121B	Elevated IMC Area facing Classroom 105	Floor Tile VAT 12" x 12"	Assumed	NF1	61	SF	ND	NRN	
1	121B	Elevated IMC Area facing Classroom 105	Cement Floor	Non Suspect ACM	x	575	SF	x	x	
1	121C	Elevated IMC Area facing Classroom 113	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	575	SF	x	x	
1	121C	Elevated IMC Area facing Classroom 113	Concrete Ceiling	Non Suspect ACM	x	575	SF	x	x	
1	121C	Elevated IMC Area facing Classroom 113	Sheetrock Wall	NAD	x	355	SF	x	x	
1	121C	Elevated IMC Area facing Classroom 113	Concrete Block Wall	Non Suspect ACM	x	485	SF	x	x	
1	121C	Elevated IMC Area facing Classroom 113	Floor Tile VAT 12" x 12"	Assumed	NF1	519	SF	ND	NRN	
1	121C	Elevated IMC Area facing Classroom 113	Floor Tile VAT 12" x 12"	Assumed	NF1	56	SF	ND	NRN	
1	121C	Elevated IMC Area facing Classroom 113	Cement Floor	Non Suspect ACM	x	575	SF	x	x	
1	122	IMC 1 Office	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	399	SF	x	x	
1	122	IMC 1 Office	Concrete Ceiling	Non Suspect ACM	x	399	SF	x	x	
1	122	IMC 1 Office	Concrete Block Wall	Non Suspect ACM	x	880	SF	x	x	
1	122	IMC 1 Office	Floor Tile VAT 12" x 12"	Assumed	NF1	399	SF	ND	NRN	
1	122	IMC 1 Office	Cement Floor	Non Suspect ACM	x	399	SF	x	x	
1	123	IMC 2 Storage	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	399	SF	x	x	
1	123	IMC 2 Storage	Concrete Ceiling	Non Suspect ACM	x	399	SF	x	x	
1	123	IMC 2 Storage	Concrete Block Wall	Non Suspect ACM	x	880	SF	x	x	
1	123	IMC 2 Storage	Floor Tile VAT 12" x 12"	Assumed	NF1	399	SF	ND	NRN	
1	123	IMC 2 Storage	Cement Floor	Non Suspect ACM	x	399	SF	x	x	
1	124A	Copy Room	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	110	SF	x	x	
1	124A	Copy Room	Concrete Ceiling	Non Suspect ACM	x	110	SF	x	x	
1	124A	Copy Room	Concrete Block Wall	Non Suspect ACM	x	325	SF	x	x	
1	124A	Copy Room	Floor Tile VAT 12" x 12"	Assumed	NF1	98	SF	ND	NRN	
1	124A	Copy Room	Floor Tile VAT 12" x 12"	Assumed	NF1	12	SF	ND	NRN	
1	124A	Copy Room	Cement Floor	Non Suspect ACM	x	110	SF	x	x	
1	124	Open Storage Area adjacent to Copy Room	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	110	SF	x	x	
1	124	Open Storage Area adjacent to Copy Room	Concrete Ceiling	Non Suspect ACM	x	110	SF	x	x	
1	124	Open Storage Area adjacent to Copy Room	Concrete Block Wall	Non Suspect ACM	x	325	SF	x	x	
1	124	Open Storage Area adjacent to Copy Room	Floor Tile VAT 12" x 12"	Assumed	NF1	98	SF	ND	NRN	

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Floor	*Space # (on Floor Plan)*	*Onsite Room Name*	*Material Description*	*Confirmed, Assumed, NAD, Non Suspect ACM*	*Type (Code 1)*	*Amount of Material*	*SF/LF/EA*	*Condition (Code 2)*	*Action (Code 3)*	*Comments/Description/Notes*
1	124	Open Storage Area adjacent to Copy Room	Floor Tile VAT 12" x 12"	Assumed	NF1	12	SF	ND	NRN	
1	124	Open Storage Area adjacent to Copy Room	Cement Floor	Non Suspect ACM	x	110	SF	x	x	
1	125	IMC 4 Storage	Pipe Fitting Insulation	Assumed	FRI	10	EA	ND	NRN	
1	125	IMC 4 Storage	Fiberglass Pipe Insulation	Non Suspect ACM	x	40	LF	x	x	
1	125	IMC 4 Storage	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	285	SF	x	x	
1	125	IMC 4 Storage	Concrete Ceiling	Non Suspect ACM	x	285	SF	x	x	
1	125	IMC 4 Storage	Concrete Block Wall	Non Suspect ACM	x	680	SF	x	x	
1	125	IMC 4 Storage	Floor Tile VAT 9" x 9"	Confirmed	NF1	20	SF	ND	NRN	Inside Raised Storage Area
1	125	IMC 4 Storage	Floor Tile VAT 12" x 12"	Assumed	NF1	285	SF	ND	NRN	
1	125	IMC 4 Storage	Cement Floor	Non Suspect ACM	x	285	SF	x	x	
1	126	IMC 5 Office	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	285	SF	x	x	
1	126	IMC 5 Office	Concrete Ceiling	Non Suspect ACM	x	285	SF	x	x	
1	126	IMC 5 Office	Concrete Block Wall	Non Suspect ACM	x	680	SF	x	x	
1	126	IMC 5 Office	Floor Tile VAT 12" x 12"	Assumed	NF1	285	SF	ND	NRN	
1	126	IMC 5 Office	Cement Floor	Non Suspect ACM	x	285	SF	x	x	
1	126	IMC 5 Office	Blackboard Glue Dots	Assumed	NF1	35	SF	ND	NRN	
1	H101	Hallway outside Classrooms K-3 to K-6	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	1800	SF	x	x	
1	H101	Hallway outside Classrooms K-3 to K-6	Concrete Ceiling	Non Suspect ACM	x	1800	SF	x	x	
1	H101	Hallway outside Classrooms K-3 to K-6	Concrete Block Wall	Non Suspect ACM	x	3840	SF	x	x	
1	H101	Hallway outside Classrooms K-3 to K-6	Transite Sills	Assumed	NF2	1	SF	ND	NRN	Fire Extinguisher Ledge
1	H101	Hallway outside Classrooms K-3 to K-6	Floor Tile VAT 12" x 12"	Assumed	NF1	1719	SF	ND	NRN	
1	H101	Hallway outside Classrooms K-3 to K-6	Floor Tile VAT 12" x 12"	Assumed	NF1	81	SF	ND	NRN	
1	H101	Hallway outside Classrooms K-3 to K-6	Cement Floor	Non Suspect ACM	x	1800	SF	x	x	
1	H102	Hallway across from Classroom K-4 to Exterior Entrance	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	305	SF	x	x	
1	H102	Hallway across from Classroom K-4 to Exterior Entrance	Concrete Ceiling	Non Suspect ACM	x	305	SF	x	x	
1	H102	Hallway across from Classroom K-4 to Exterior Entrance	Concrete Block Wall	Non Suspect ACM	x	760	SF	x	x	
1	H102	Hallway across from Classroom K-4 to Exterior Entrance	Floor Tile VAT 12" x 12"	Assumed	NF1	305	SF	ND	NRN	
1	H102	Hallway across from Classroom K-4 to Exterior Entrance	Cement Floor	Non Suspect ACM	x	305	SF	x	x	
1	H103	Hallway to Gym	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	105	SF	x	x	
1	H103	Hallway to Gym	Concrete Ceiling	Non Suspect ACM	x	105	SF	x	x	
1	H103	Hallway to Gym	Concrete Block Wall	Non Suspect ACM	x	300	SF	x	x	
1	H103	Hallway to Gym	Floor Tile VAT 12" x 12"	Assumed	NF1	105	SF	ND	NRN	
1	H103	Hallway to Gym	Cement Floor	Non Suspect ACM	x	105	SF	x	x	
1	S101	Stairwell from Cafeteria to Exterior Entrance	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	105	SF	x	x	
1	S101	Stairwell from Cafeteria to Exterior Entrance	Concrete Ceiling	Non Suspect ACM	x	105	SF	x	x	
1	S101	Stairwell from Cafeteria to Exterior Entrance	Concrete Block Wall	Non Suspect ACM	x	300	SF	x	x	
1	S101	Stairwell from Cafeteria to Exterior Entrance	Floor Tile VAT 12" x 12"	Assumed	NF1	39	SF	ND	NRN	
1	S101	Stairwell from Cafeteria to Exterior Entrance	Floor Tile VAT 12" x 12"	Assumed	NF1	24	SF	ND	NRN	
1	S101	Stairwell from Cafeteria to Exterior Entrance	Floor Tile VAT 12" x 12"	Assumed	NF1	2	SF	ND	NRN	
1	S101	Stairwell from Cafeteria to Exterior Entrance	Cement Floor	Non Suspect ACM	x	105	SF	x	x	
1	H104	Hallway to Left of Stage to Exterior Entrance	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	325	SF	x	x	
1	H104	Hallway to Left of Stage to Exterior Entrance	Concrete Ceiling	Non Suspect ACM	x	325	SF	x	x	
1	H104	Hallway to Left of Stage to Exterior Entrance	Concrete Block Wall	Non Suspect ACM	x	780	SF	x	x	
1	H104	Hallway to Left of Stage to Exterior Entrance	Floor Tile VAT 12" x 12"	Assumed	NF1	244	SF	ND	NRN	
1	H104	Hallway to Left of Stage to Exterior Entrance	Floor Tile VAT 12" x 12"	Assumed	NF1	36	SF	ND	NRN	
1	H104	Hallway to Left of Stage to Exterior Entrance	Cement Floor	Non Suspect ACM	x	325	SF	x	x	
1	H105	Hallway to Right of Stage to Exterior Entrance	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	325	SF	x	x	
1	H105	Hallway to Right of Stage to Exterior Entrance	Concrete Ceiling	Non Suspect ACM	x	325	SF	x	x	
1	H105	Hallway to Right of Stage to Exterior Entrance	Concrete Block Wall	Non Suspect ACM	x	780	SF	x	x	
1	H105	Hallway to Right of Stage to Exterior Entrance	Floor Tile VAT 12" x 12"	Assumed	NF1	268	SF	ND	NRN	
1	H105	Hallway to Right of Stage to Exterior Entrance	Floor Tile VAT 12" x 12"	Assumed	NF1	12	SF	ND	NRN	
1	H105	Hallway to Right of Stage to Exterior Entrance	Cement Floor	Non Suspect ACM	x	325	SF	x	x	
1	H106	Main Lobby	Fiberglass Pipe Insulation	Non Suspect ACM	x	10	LF	x	x	
1	H106	Main Lobby	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	595	SF	x	x	
1	H106	Main Lobby	Concrete Ceiling	Non Suspect ACM	x	595	SF	x	x	
1	H106	Main Lobby	Plaster Ceiling	NAD	x	2925	SF	x	x	
1	H106	Main Lobby	Concrete Block Wall	Non Suspect ACM	x	1700	SF	x	x	
1	H106	Main Lobby	Transite Sills	Assumed	NF2	1	SF	ND	NRN	Fire Extinguisher Ledge
1	H106	Main Lobby	Floor Tile VAT 12" x 12"	Assumed	NF1	3310	SF	ND	NRN	
1	H106	Main Lobby	Floor Tile VAT 12" x 12"	Assumed	NF1	198	SF	ND	NRN	
1	H106	Main Lobby	Floor Tile VAT 12" x 12"	Assumed	NF1	12	SF	ND	NRN	
1	H106	Main Lobby	Acoustical Plaster Ceiling	Confirmed	FRI	2925	SF	ND	NRN	Material appears Homogeneous to the Confirmed Asbestos-Containing Acoustical Plaster Ceiling in the Cafeteria
1	H107	Hallway outside Nurse's Office	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	640	SF	x	x	
1	H107	Hallway outside Nurse's Office	Concrete Ceiling	Non Suspect ACM	x	640	SF	x	x	
1	H107	Hallway outside Nurse's Office	Concrete Block Wall	Non Suspect ACM	x	1600	SF	x	x	
1	H107	Hallway outside Nurse's Office	Floor Tile VAT 12" x 12"	Assumed	NF1	640	SF	ND	NRN	
1	H107	Hallway outside Nurse's Office	Cement Floor	Non Suspect ACM	x	640	SF	x	x	
1	H108	Hallway adjacent to Science Room to Exterior Entrance	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	270	SF	x	x	
1	H108	Hallway adjacent to Science Room to Exterior Entrance	Concrete Ceiling	Non Suspect ACM	x	270	SF	x	x	

School District of Philadelphia

Asbestos Inspection Report - Section 9

John B. Kelly Elementary School (6470)

5116 Pulaski Avenue, 19144

Prepared by: Bernard J. Bryson

Certification # 0437 Date: 3/16/2018

Mechanical Plant Replacement Project

Survey Type

_____ 6 Month Surveillance

_____ Three- Year Reinspection IX

_____ AIR/EIE

__X__ **Asbestos Abatement Activity**

_____ Bulk Sampling Event

Bid Number: MC-B-004C of 2017/2018, EC-B-024C of 2017/2018, GC-B-003C of 2017/2018

Floor	Space # (on Floor Plan)	Onsite Room Name	Material Description	Confirmed, Assumed, NAD, Non Suspect ACM	Type (Code 1)	Amount of Material	SF/LF/EA	Condition (Code 2)	Action (Code 3)	Comments/Description/Notes
1	H108	Hallway adjacent to Science Room to Exterior Entrance	Concrete Block Wall	Non Suspect ACM	x	600	SF	x	x	
1	H108	Hallway adjacent to Science Room to Exterior Entrance	Floor Tile VAT 12" x 12"	Assumed	NF1	202	SF	ND	NRN	
1	H108	Hallway adjacent to Science Room to Exterior Entrance	Floor Tile VAT 12" x 12"	Assumed	NF1	24	SF	ND	NRN	
1	H108	Hallway adjacent to Science Room to Exterior Entrance	Cement Floor	Non Suspect ACM	x	270	SF	x	x	
1	S102	Main Entrance	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	240	SF	x	x	
1	S102	Main Entrance	Concrete Ceiling	Non Suspect ACM	x	240	SF	x	x	
1	S102	Main Entrance	Brick Wall	Non Suspect ACM	x	350	SF	x	x	
1	S102	Main Entrance	Floor Tile VAT 12" x 12"	Assumed	NF1	195	SF	ND	NRN	
1	S102	Main Entrance	Floor Tile VAT 12" x 12"	Assumed	NF1	13	SF	ND	NRN	
1	S102	Main Entrance	Cement Floor	Non Suspect ACM	x	240	SF	x	x	
1	H109	Hallway from Main Lobby to IMC	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	420	SF	x	x	
1	H109	Hallway from Main Lobby to IMC	Concrete Ceiling	Non Suspect ACM	x	420	SF	x	x	
1	H109	Hallway from Main Lobby to IMC	Concrete Block Wall	Non Suspect ACM	x	700	SF	x	x	
1	H109	Hallway from Main Lobby to IMC	Floor Tile VAT 12" x 12"	Assumed	NF1	408	SF	ND	NRN	Older Floor Tile
1	H109	Hallway from Main Lobby to IMC	Floor Tile VAT 12" x 12"	Assumed	NF1	12	SF	ND	NRN	Newer Floor Tile
1	H109	Hallway from Main Lobby to IMC	Cement Floor	Non Suspect ACM	x	420	SF	x	x	
1	H110	Hallway outside Classrooms 102-103	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	370	SF	x	x	
1	H110	Hallway outside Classrooms 102-103	Concrete Ceiling	Non Suspect ACM	x	370	SF	x	x	
1	H110	Hallway outside Classrooms 102-103	Concrete Block Wall	Non Suspect ACM	x	1000	SF	x	x	
1	H110	Hallway outside Classrooms 102-103	Floor Tile VAT 12" x 12"	Assumed	NF1	354	SF	ND	NRN	
1	H110	Hallway outside Classrooms 102-103	Floor Tile VAT 12" x 12"	Assumed	NF1	16	SF	ND	NRN	
1	H110	Hallway outside Classrooms 102-103	Cement Floor	Non Suspect ACM	x	370	SF	x	x	
1	S103	North Stairwell next to Classroom 103	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	240	SF	x	x	
1	S103	North Stairwell next to Classroom 103	Concrete Ceiling	Non Suspect ACM	x	325	SF	x	x	
1	S103	North Stairwell next to Classroom 103	Concrete Block Wall	Non Suspect ACM	x	930	SF	x	x	
1	S103	North Stairwell next to Classroom 103	Floor Tile VAT 12" x 12"	Assumed	NF1	215	SF	ND	NRN	
1	S103	North Stairwell next to Classroom 103	Cement Floor	Non Suspect ACM	x	325	SF	x	x	
1	H111	Hallway outside Classrooms 104-105	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	290	SF	x	x	
1	H111	Hallway outside Classrooms 104-105	Concrete Ceiling	Non Suspect ACM	x	290	SF	x	x	
1	H111	Hallway outside Classrooms 104-105	Sheetrock Wall	NAD	x	720	SF	x	x	
1	H111	Hallway outside Classrooms 104-105	Concrete Block Wall	Non Suspect ACM	x	50	SF	x	x	
1	H111	Hallway outside Classrooms 104-105	Transite Sills	Assumed	NF2	2	SF	ND	NRN	Fire Extinguisher Ledge
1	H111	Hallway outside Classrooms 104-105	Floor Tile VAT 12" x 12"	Assumed	NF1	290	SF	ND	NRN	
1	H111	Hallway outside Classrooms 104-105	Cement Floor	Non Suspect ACM	x	290	SF	x	x	
1	H112	Hallway outside Classrooms 106-107	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	370	SF	x	x	
1	H112	Hallway outside Classrooms 106-107	Concrete Ceiling	Non Suspect ACM	x	370	SF	x	x	
1	H112	Hallway outside Classrooms 106-107	Concrete Block Wall	Non Suspect ACM	x	1000	SF	x	x	
1	H112	Hallway outside Classrooms 106-107	Floor Tile VAT 12" x 12"	Assumed	NF1	349	SF	ND	NRN	
1	H112	Hallway outside Classrooms 106-107	Floor Tile VAT 12" x 12"	Assumed	NF1	21	SF	ND	NRN	
1	H112	Hallway outside Classrooms 106-107	Cement Floor	Non Suspect ACM	x	370	SF	x	x	
1	S104	East Stairwell next to Classroom 107	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	240	SF	x	x	
1	S104	East Stairwell next to Classroom 107	Concrete Ceiling	Non Suspect ACM	x	325	SF	x	x	
1	S104	East Stairwell next to Classroom 107	Concrete Block Wall	Non Suspect ACM	x	930	SF	x	x	
1	S104	East Stairwell next to Classroom 107	Floor Tile VAT 12" x 12"	Assumed	NF1	215	SF	ND	NRN	
1	S104	East Stairwell next to Classroom 107	Cement Floor	Non Suspect ACM	x	325	SF	x	x	
1	H113	Hallway outside Classrooms 108-109	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	290	SF	x	x	
1	H113	Hallway outside Classrooms 108-109	Concrete Ceiling	Non Suspect ACM	x	290	SF	x	x	
1	H113	Hallway outside Classrooms 108-109	Concrete Block Wall	Non Suspect ACM	x	770	SF	x	x	
1	H113	Hallway outside Classrooms 108-109	Transite Sills	Assumed	NF2	2	SF	ND	NRN	Fire Extinguisher Ledge
1	H113	Hallway outside Classrooms 108-109	Floor Tile VAT 12" x 12"	Assumed	NF1	100	SF	ND	NRN	
1	H113	Hallway outside Classrooms 108-109	Floor Tile VAT 12" x 12"	Assumed	NF1	82	SF	ND	NRN	
1	H113	Hallway outside Classrooms 108-109	Floor Tile VAT 12" x 12"	Assumed	NF1	108	SF	ND	NRN	
1	H113	Hallway outside Classrooms 108-109	Cement Floor	Non Suspect ACM	x	290	SF	x	x	
1	H114	Hallway outside Classrooms 110-111	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	370	SF	x	x	
1	H114	Hallway outside Classrooms 110-111	Concrete Ceiling	Non Suspect ACM	x	370	SF	x	x	
1	H114	Hallway outside Classrooms 110-111	Concrete Block Wall	Non Suspect ACM	x	1000	SF	x	x	
1	H114	Hallway outside Classrooms 110-111	Floor Tile VAT 12" x 12"	Assumed	NF1	294	SF	ND	NRN	
1	H114	Hallway outside Classrooms 110-111	Floor Tile VAT 12" x 12"	Assumed	NF1	16	SF	ND	NRN	
1	H114	Hallway outside Classrooms 110-111	Floor Tile VAT 12" x 12"	Assumed	NF1	48	SF	ND	NRN	Older Floor Tile
1	H114	Hallway outside Classrooms 110-111	Floor Tile VAT 12" x 12"	Assumed	NF1	12	SF	ND	NRN	Newer Floor Tile
1	H114	Hallway outside Classrooms 110-111	Cement Floor	Non Suspect ACM	x	370	SF	x	x	
1	S105	South Stairwell next to Classroom 111	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	240	SF	x	x	
1	S105	South Stairwell next to Classroom 111	Concrete Ceiling	Non Suspect ACM	x	325	SF	x	x	
1	S105	South Stairwell next to Classroom 111	Concrete Block Wall	Non Suspect ACM	x	930	SF	x	x	
1	S105	South Stairwell next to Classroom 111	Floor Tile VAT 12" x 12"	Assumed	NF1	215	SF	ND	NRN	
1	S105	South Stairwell next to Classroom 111	Cement Floor	Non Suspect ACM	x	325	SF	x	x	
1	H115	Hallway outside Classrooms 112-113	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	290	SF	x	x	
1	H115	Hallway outside Classrooms 112-113	Concrete Ceiling	Non Suspect ACM	x	290	SF	x	x	
1	H115	Hallway outside Classrooms 112-113	Sheetrock Wall	NAD	x	720	SF	x	x	
1	H115	Hallway outside Classrooms 112-113	Concrete Block Wall	Non Suspect ACM	x	50	SF	x	x	
1	H115	Hallway outside Classrooms 112-113	Transite Sills	Assumed	NF2	2	SF	ND	NRN	Fire Extinguisher Ledge
1	H115	Hallway outside Classrooms 112-113	Floor Tile VAT 12" x 12"	Assumed	NF1	290	SF	ND	NRN	
1	H115	Hallway outside Classrooms 112-113	Cement Floor	Non Suspect ACM	x	290	SF	x	x	
1	H116	Hallway outside Classroom 114	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	450	SF	x	x	
1	H116	Hallway outside Classroom 114	Concrete Ceiling	Non Suspect ACM	x	450	SF	x	x	
1	H116	Hallway outside Classroom 114	Concrete Block Wall	Non Suspect ACM	x	1250	SF	x	x	
1	H116	Hallway outside Classroom 114	Floor Tile VAT 12" x 12"	Assumed	NF1	409	SF	ND	NRN	
1	H116	Hallway outside Classroom 114	Floor Tile VAT 12" x 12"	Assumed	NF1	41	SF	ND	NRN	
1	H116	Hallway outside Classroom 114	Cement Floor	Non Suspect ACM	x	450	SF	x	x	
1	S106	West Stairwell next to Classroom 114	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	240	SF	x	x	
1	S106	West Stairwell next to Classroom 114	Concrete Ceiling	Non Suspect ACM	x	325	SF	x	x	
1	S106	West Stairwell next to Classroom 114	Concrete Block Wall	Non Suspect ACM	x	930	SF	x	x	
1	S106	West Stairwell next to Classroom 114	Floor Tile VAT 12" x 12"	Assumed	NF1	197	SF	ND	NRN	
1	S106	West Stairwell next to Classroom 114	Floor Tile VAT 12" x 12"	Assumed	NF1	43	SF	ND	NRN	
1	S106	West Stairwell next to Classroom 114	Cement Floor	Non Suspect ACM	x	325	SF	x	x	
2	200	Boy's Restroom across from Classroom 216	Concrete Ceiling	Non Suspect ACM	x	80	SF	x	x	
2	200	Boy's Restroom across from Classroom 216	Concrete Block Wall	Non Suspect ACM	x	375	SF	x	x	
2	200	Boy's Restroom across from Classroom 216	Cement Floor	Non Suspect ACM	x	80	SF	x	x	
2	200	Boy's Restroom across from Classroom 216	Textured Ceiling Paint	Confirmed	FRI	150	SF	ND	NRN	Includes quantity in custodial closet; Material is also on Metal Duct near the Ceiling
	200C	Custodial Closet inside Boy's Restroom across from Classroom 216	Textured Ceiling Paint	Confirmed	FRI	40	SF	ND	NRN	

School District of Philadelphia

Asbestos Inspection Report - Section 9

John B. Kelly Elementary School (6470)

5116 Pulaski Avenue, 19144

Prepared by: Bernard J. Bryson

Certification # 0437 Date: 3/16/2018

Mechanical Plant Replacement Project

Survey Type

_____ 6 Month Surveillance

_____ Three- Year Reinspection IX

_____ AIR/EIE

__X__ **Asbestos Abatement Activity**

_____ Bulk Sampling Event

Bid Number: MC-B-004C of 2017/2018, EC-B-024C of 2017/2018, GC-B-003C of 2017/2018

Floor	Space # (on Floor Plan)	Onsite Room Name	Material Description	Confirmed, Assumed, NAD, Non Suspect ACM	Type (Code 1)	Amount of Material	SF/LF/EA	Condition (Code 2)	Action (Code 3)	Comments/Description/Notes
	200C	Custodial Closet inside Boy's Restroom across from Classroom 216	Concrete Block Wall	Non Suspect ACM	x	120	SF	x	x	
2	200A	Girl's Restroom across from Classroom 201	Concrete Ceiling	Non Suspect ACM	x	100	SF	x	x	
2	200A	Girl's Restroom across from Classroom 201	Concrete Block Wall	Non Suspect ACM	x	440	SF	x	x	
2	200A	Girl's Restroom across from Classroom 201	Cement Floor	Non Suspect ACM	x	100	SF	x	x	
2	200A	Girl's Restroom across from Classroom 201	Textured Ceiling Paint	Confirmed	FRI	120	SF	ND	NRN	Material is also on Metal Duct near the Ceiling
	200B	Storage Room E across from Classroom 201	Concrete Ceiling	Non Suspect ACM	x	90	SF	x	x	
	200B	Storage Room E across from Classroom 201	Concrete Block Wall	Non Suspect ACM	x	480	SF	x	x	
	200B	Storage Room E across from Classroom 201	Floor Tile VAT 12" x 12"	Assumed	NF1	90	SF	ND	NRN	
	200B	Storage Room E across from Classroom 201	Cement Floor	Non Suspect ACM	x	90	SF	x	x	
	200B	Storage Room E across from Classroom 201	Textured Ceiling Paint	Confirmed	FRI	110	SF	ND	NRN	Material is also on Metal Duct near the Ceiling
	200D	Storage Room across from Classroom 201 Pipe Chase								No TSI
2	201	Classroom 201	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	850	SF	x	x	
2	201	Classroom 201	Concrete Ceiling	Non Suspect ACM	x	850	SF	x	x	
2	201	Classroom 201	Concrete Block Wall	Non Suspect ACM	x	970	SF	x	x	
2	201	Classroom 201	Partition Room Dividers	Non Suspect ACM	x	230	SF	x	x	
2	201	Classroom 201	Floor Tile VAT 12" x 12"	Assumed	NF1	850	SF	ND	NRN	
2	201	Classroom 201	Cement Floor	Non Suspect ACM	x	850	SF	x	x	
2	201	Classroom 201	Blackboard Glue Dots	Assumed	NF1	115	SF	ND	NRN	
2	201	Classroom 201	Sink Undercoat Mastic	Assumed	NF2	6	SF	ND	NRN	Black
2	202	Classroom 202	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	850	SF	x	x	
2	202	Classroom 202	Concrete Ceiling	Non Suspect ACM	x	850	SF	x	x	
2	202	Classroom 202	Concrete Block Wall	Non Suspect ACM	x	970	SF	x	x	
2	202	Classroom 202	Partition Room Dividers	Non Suspect ACM	x	230	SF	x	x	
2	202	Classroom 202	Floor Tile VAT 12" x 12"	Assumed	NF1	850	SF	ND	NRN	
2	202	Classroom 202	Cement Floor	Non Suspect ACM	x	850	SF	x	x	
2	202	Classroom 202	Blackboard Glue Dots	Assumed	NF1	115	SF	ND	NRN	
2	202	Classroom 202	Sink Undercoat Mastic	Assumed	NF2	6	SF	ND	NRN	Black
2	220	Classroom 202A	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	120	SF	x	x	
2	220	Classroom 202A	Concrete Ceiling	Non Suspect ACM	x	120	SF	x	x	
2	220	Classroom 202A	Concrete Block Wall	Non Suspect ACM	x	440	SF	x	x	
2	220	Classroom 202A	Floor Tile VAT 12" x 12"	Assumed	NF1	120	SF	ND	NRN	
2	220	Classroom 202A	Cement Floor	Non Suspect ACM	x	120	SF	x	x	
2	220	Classroom 202A	Blackboard Glue Dots	Assumed	NF1	30	SF	ND	NRN	
2	219	Classroom 202A Mechanical Room	Cement Floor	Non Suspect ACM	x	100	SF	x	x	
2	219	Classroom 202A Mechanical Room	Concrete Block Wall	Non Suspect ACM	x	300	SF	x	x	
2	219	Classroom 202A Mechanical Room	Concrete Ceiling	Non Suspect ACM	x	100	SF	x	x	
2	219	Classroom 202A Mechanical Room	Fiberglass Pipe Insulation	Non Suspect ACM	x	20	LF	x	x	
2	219	Classroom 202A Mechanical Room	Fiberglass Pipe Fitting Insulation	Non Suspect ACM	x	7	EA	x	x	
2	219	Classroom 202A Mechanical Room	Vibration Damper Cloth	Non Suspect ACM	x	40	SF	x	x	Black Vinyl Flexible Duct Connector
2	203	Classroom 203	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	1020	SF	x	x	
2	203	Classroom 203	Concrete Ceiling	Non Suspect ACM	x	1020	SF	x	x	
2	203	Classroom 203	Sheetrock Wall	NAD	x	340	SF	x	x	
2	203	Classroom 203	Concrete Block Wall	Non Suspect ACM	x	1000	SF	x	x	
2	203	Classroom 203	Transite	Confirmed	NF2	8	SF	ND	NRN	Panel by connecting door to Classroom 202. Panels face both Classrooms 202 and 203. Quantity is included in Classroom 203 only.
2	203	Classroom 203	Floor Tile VAT 12" x 12"	Assumed	NF1	850	SF	ND	NRN	
2	203	Classroom 203	Floor Tile VAT 12" x 12"	Assumed	NF1	170	SF	ND	NRN	
2	203	Classroom 203	Cement Floor	Non Suspect ACM	x	1020	SF	x	x	
2	203	Classroom 203	Blackboard Glue Dots	Assumed	NF1	115	SF	ND	NRN	
2	203	Classroom 203	Sink Undercoat Mastic	Assumed	NF2	6	SF	ND	NRN	Black
2	204	Classroom 204	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	850	SF	x	x	
2	204	Classroom 204	Concrete Ceiling	Non Suspect ACM	x	850	SF	x	x	
2	204	Classroom 204	Sheetrock Wall	NAD	x	700	SF	x	x	
2	204	Classroom 204	Concrete Block Wall	Non Suspect ACM	x	500	SF	x	x	
2	204	Classroom 204	Floor Tile VAT 12" x 12"	Assumed	NF1	425	SF	ND	NRN	
2	204	Classroom 204	Floor Tile VAT 12" x 12"	Assumed	NF1	425	SF	ND	NRN	
2	204	Classroom 204	Cement Floor	Non Suspect ACM	x	850	SF	x	x	
2	204	Classroom 204	Blackboard Glue Dots	Assumed	NF1	115	SF	ND	NRN	
2	204	Classroom 204	Sink Undercoat Mastic	Assumed	NF2	6	SF	ND	NRN	Black
2	204A	Lounge/Copy Room 204A	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	520	SF	x	x	
2	204A	Lounge/Copy Room 204A	Concrete Ceiling	Non Suspect ACM	x	520	SF	x	x	
2	204A	Lounge/Copy Room 204A	Concrete Block Wall	Non Suspect ACM	x	940	SF	x	x	
2	204A	Lounge/Copy Room 204A	Floor Tile VAT 12" x 12"	Assumed	NF1	520	SF	ND	NRN	
2	204A	Lounge/Copy Room 204A	Cement Floor	Non Suspect ACM	x	520	SF	x	x	
2	204A	Lounge/Copy Room 204A	Blackboard Glue Dots	Assumed	NF1	80	SF	ND	NRN	
2	205	Classroom 205	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	850	SF	x	x	
2	205	Classroom 205	Concrete Ceiling	Non Suspect ACM	x	850	SF	x	x	
2	205	Classroom 205	Sheetrock Wall	NAD	x	700	SF	x	x	
2	205	Classroom 205	Concrete Block Wall	Non Suspect ACM	x	500	SF	x	x	
2	205	Classroom 205	Floor Tile VAT 12" x 12"	Assumed	NF1	850	SF	ND	NRN	
2	205	Classroom 205	Cement Floor	Non Suspect ACM	x	850	SF	x	x	
2	205	Classroom 205	Blackboard Glue Dots	Assumed	NF1	115	SF	ND	NRN	
2	205	Classroom 205	Sink Undercoat Mastic	Assumed	NF2	6	SF	ND	NRN	Black
2	205A	Office 205A	Floor Tile VAT 12" x 12"	Assumed	NF1	460	SF	ND	NRN	
	205A	Office 205A	Concrete Block Wall	Non Suspect ACM	x	1380	SF	x	x	
	205A	Office 205A	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	460	SF	x	x	
	205A	Office 205A	Blackboard Glue Dots	Assumed	NF1	115	SF	ND	NRN	
2	206	Classroom 206	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	1020	SF	x	x	
2	206	Classroom 206	Concrete Ceiling	Non Suspect ACM	x	1020	SF	x	x	
2	206	Classroom 206	Sheetrock Wall	NAD	x	340	SF	x	x	
2	206	Classroom 206	Concrete Block Wall	Non Suspect ACM	x	1000	SF	x	x	
2	206	Classroom 206	Transite	Confirmed	NF2	8	SF	ND	NRN	Panel around connecting door to Classroom 207. Panels face both Classrooms 206 and 207. Quantity is included in Classroom 206 only.

		School District of Philadelphia	Survey Type							
		Asbestos Inspection Report - Section 9	_____ 6 Month Surveillance							
		John B. Kelly Elementary School (6470)	_____ Three- Year Reinspection IX							
		5116 Pulaski Avenue, 19144	_____ AIR/EIE							
		Prepared by: Bernard J. Bryson	__X__ Asbestos Abatement Activity							
		Certification # 0437 Date: 3/16/2018	_____ Bulk Sampling Event							
		Mechanical Plant Replacement Project	Bid Number: MC-B-004C of 2017/2018, EC-B-024C of 2017/2018, GC-B-003C of 2017/2018							
Floor	*Space # (on Floor Plan)*	*Onsite Room Name*	*Material Description*	*Confirmed, Assumed, NAD, Non Suspect ACM*	*Type (Code 1)*	*Amount of Material*	*SF/LF/EA*	*Condition (Code 2)*	*Action (Code 3)*	*Comments/Description/Notes*
2	206	Classroom 206	Floor Tile VAT 12" x 12"	Assumed	NF1	884	SF	ND	NRN	
2	206	Classroom 206	Floor Tile VAT 12" x 12"	Assumed	NF1	136	SF	ND	NRN	
2	206	Classroom 206	Cement Floor	Non Suspect ACM	x	1020	SF	x	x	
2	206	Classroom 206	Blackboard Glue Dots	Assumed	NF1	115	SF	ND	NRN	
2	206	Classroom 206	Sink Undercoat Mastic	Assumed	NF2	6	SF	ND	NRN	Black
2	207	Classroom 207	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	850	SF	x	x	
2	207	Classroom 207	Concrete Ceiling	Non Suspect ACM	x	850	SF	x	x	
2	207	Classroom 207	Concrete Block Wall	Non Suspect ACM	x	970	SF	x	x	
2	207	Classroom 207	Partition Room Dividers	Non Suspect ACM	x	230	SF	x	x	
2	207	Classroom 207	Floor Tile VAT 12" x 12"	Assumed	NF1	850	SF	ND	NRN	
2	207	Classroom 207	Cement Floor	Non Suspect ACM	x	850	SF	x	x	
2	207	Classroom 207	Blackboard Glue Dots	Assumed	NF1	115	SF	ND	NRN	
2	207	Classroom 207	Sink Undercoat Mastic	Assumed	NF2	6	SF	ND	NRN	Black
2	207A	Men's Restroom across from Classroom 207	Concrete Ceiling	Non Suspect ACM	x	72	SF	x	x	
2	207A	Men's Restroom across from Classroom 207	Concrete Block Wall	Non Suspect ACM	x	400	SF	x	x	
2	207A	Men's Restroom across from Classroom 207	Cement Floor	Non Suspect ACM	x	72	SF	x	x	
2	207A	Men's Restroom across from Classroom 207	Textured Ceiling Paint	Confirmed	FRI	100	SF	ND	NRN	Material is also on Metal Duct near the Ceiling
2	221	Mechanical Room behind Men's Restroom across from Classroom 207	Cement Floor	Non Suspect ACM	x	100	SF	x	x	
2	221	Mechanical Room behind Men's Restroom across from Classroom 207	Concrete Block Wall	Non Suspect ACM	x	300	SF	x	x	
2	221	Mechanical Room behind Men's Restroom across from Classroom 207	Concrete Ceiling	Non Suspect ACM	x	100	SF	x	x	
2	221	Mechanical Room behind Men's Restroom across from Classroom 207	Fiberglass Pipe Insulation	Non Suspect ACM	x	20	LF	x	x	
2	221	Mechanical Room behind Men's Restroom across from Classroom 207	Fiberglass Pipe Fitting Insulation	Non Suspect ACM	x	2	EA	x	x	
2	221	Mechanical Room behind Men's Restroom across from Classroom 207	Neoprene Pipe Insulation	Non Suspect ACM	x	10	LF	x	x	
2	221	Mechanical Room behind Men's Restroom across from Classroom 207	Vibration Damper Cloth	Non Suspect ACM	x	35	SF	x	x	Black Vinyl Flexible Duct Connector
2	203A	Classroom 203 Closet	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	25	SF	x	x	
2	203A	Classroom 203 Closet	Concrete Ceiling	Non Suspect ACM	x	25	SF	x	x	
2	203A	Classroom 203 Closet	Concrete Block Wall	Non Suspect ACM	x	200	SF	x	x	
2	203A	Classroom 203 Closet	Floor Tile VAT 12" x 12"	Assumed	NF1	25	SF	ND	NRN	
2	203A	Classroom 203 Closet	Cement Floor	Non Suspect ACM	x	25	SF	x	x	
2	206A	Classroom 206 Closet	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	25	SF	x	x	
2	206A	Classroom 206 Closet	Concrete Ceiling	Non Suspect ACM	x	25	SF	x	x	
2	206A	Classroom 206 Closet	Concrete Block Wall	Non Suspect ACM	x	200	SF	x	x	
2	206A	Classroom 206 Closet	Floor Tile VAT 12" x 12"	Assumed	NF1	25	SF	ND	NRN	
2	206A	Classroom 206 Closet	Cement Floor	Non Suspect ACM	x	25	SF	x	x	
2	208A	Boy's Restroom across from Classroom 208	Concrete Ceiling	Non Suspect ACM	x	80	SF	x	x	
2	208A	Boy's Restroom across from Classroom 208	Concrete Block Wall	Non Suspect ACM	x	375	SF	x	x	
2	208A	Boy's Restroom across from Classroom 208	Cement Floor	Non Suspect ACM	x	80	SF	x	x	
2	208A	Boy's Restroom across from Classroom 208	Textured Ceiling Paint	Confirmed	FRI	100	SF	ND	NRN	Material is also on Metal Duct near the Ceiling
	208B	Custodial Closet inside Boy's Restroom across from Classroom 208	Textured Ceiling Paint	Confirmed	FRI	40	SF	ND	NRN	
	208B	Custodial Closet inside Boy's Restroom across from Classroom 208	Concrete Block Wall	Non Suspect ACM	x	120	SF	x	x	
2	209B	Storage D	Concrete Ceiling	Non Suspect ACM	x	90	SF	x	x	
2	209B	Storage D	Concrete Block Wall	Non Suspect ACM	x	480	SF	x	x	
2	209B	Storage D	Floor Tile VAT 12" x 12"	Assumed	NF1	90	SF	ND	NRN	
2	209B	Storage D	Cement Floor	Non Suspect ACM	x	90	SF	x	x	
2	209B	Storage D	Textured Ceiling Paint	Confirmed	FRI	110	SF	ND	NRN	
2	209C	Storage D Pipe Chase	Pipe Fitting Insulation	Confirmed	FRI	16	EA	ND	NRN	
2	209C	Storage D Pipe Chase	Fiberglass Pipe Insulation	Non Suspect ACM	x	30	LF	x	x	
2	209A	Girl's Restroom across from Classroom 209	Concrete Ceiling	Non Suspect ACM	x	72	SF	x	x	
2	209A	Girl's Restroom across from Classroom 209	Concrete Block Wall	Non Suspect ACM	x	400	SF	x	x	
2	209A	Girl's Restroom across from Classroom 209	Cement Floor	Non Suspect ACM	x	72	SF	x	x	
2	209A	Girl's Restroom across from Classroom 209	Textured Ceiling Paint	Confirmed	FRI	100	SF	ND	NRN	Material is also on Metal Duct near the Ceiling
2	208	Classroom 208	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	850	SF	x	x	
2	208	Classroom 208	Concrete Ceiling	Non Suspect ACM	x	850	SF	x	x	
2	208	Classroom 208	Concrete Block Wall	Non Suspect ACM	x	970	SF	x	x	
2	208	Classroom 208	Partition Room Dividers	Non Suspect ACM	x	230	SF	x	x	
2	208	Classroom 208	Floor Tile VAT 12" x 12"	Assumed	NF1	850	SF	ND	NRN	
2	208	Classroom 208	Cement Floor	Non Suspect ACM	x	850	SF	x	x	
2	208	Classroom 208	Blackboard Glue Dots	Assumed	NF1	115	SF	ND	NRN	
2	208	Classroom 208	Sink Undercoat Mastic	Assumed	NF2	6	SF	ND	NRN	
2	209	Classroom 209	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	850	SF	x	x	
2	209	Classroom 209	Concrete Ceiling	Non Suspect ACM	x	850	SF	x	x	
2	209	Classroom 209	Concrete Block Wall	Non Suspect ACM	x	970	SF	x	x	
2	209	Classroom 209	Partition Room Dividers	Non Suspect ACM	x	230	SF	x	x	
2	209	Classroom 209	Floor Tile VAT 12" x 12"	Assumed	NF1	850	SF	ND	NRN	
2	209	Classroom 209	Cement Floor	Non Suspect ACM	x	850	SF	x	x	
2	209	Classroom 209	Blackboard Glue Dots	Assumed	NF1	115	SF	ND	NRN	
2	209	Classroom 209	Sink Undercoat Mastic	Assumed	NF2	6	SF	ND	NRN	Black
2	210A	Office 210A	Floor Tile VAT 12" x 12"	Assumed	NF1	130	SF	ND	NRN	
2	210A	Office 210A	Concrete Block Wall	Non Suspect ACM	x	390	SF	x	x	
2	210A	Office 210A	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	130	SF	x	x	
2	210A	Office 210A	Blackboard Glue Dots	Assumed	NF1	70	SF	ND	NRN	
2	222	Mechanical Room inside Office 210A	Cement Floor	Non Suspect ACM	x	100	SF	x	x	
2	222	Mechanical Room inside Office 210A	Concrete Block Wall	Non Suspect ACM	x	300	SF	x	x	
2	222	Mechanical Room inside Office 210A	Concrete Ceiling	Non Suspect ACM	x	100	SF	x	x	
2	222	Mechanical Room inside Office 210A	Fiberglass Pipe Insulation	Non Suspect ACM	x	40	LF	x	x	
2	222	Mechanical Room inside Office 210A	Fiberglass Pipe Fitting Insulation	Non Suspect ACM	x	12	EA	x	x	
2	222	Mechanical Room inside Office 210A	Vibration Damper Cloth	Non Suspect ACM	x	20	SF	x	x	Black Vinyl Flexible Duct Connector
2	210	Classroom 210	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	850	SF	x	x	

School District of Philadelphia

Asbestos Inspection Report - Section 9

John B. Kelly Elementary School (6470)

5116 Pulaski Avenue, 19144

Prepared by: Bernard J. Bryson

Certification # 0437 Date: 3/16/2018

Mechanical Plant Replacement Project

Survey Type

_____ 6 Month Surveillance

_____ Three- Year Reinspection IX

_____ AIR/EIE

__X__ Asbestos Abatement Activity

_____ Bulk Sampling Event

Bid Number: MC-B-004C of 2017/2018, EC-B-024C of 2017/2018, GC-B-003C of 2017/2018

Floor	*Space # (on Floor Plan)*	*Onsite Room Name*	*Material Description*	*Confirmed, Assumed, NAD, Non Suspect ACM*	*Type (Code 1)*	*Amount of Material*	*SF/LF/EA*	*Condition (Code 2)*	*Action (Code 3)*	*Comments/Description/Notes*
2	210	Classroom 210	Concrete Ceiling	Non Suspect ACM	x	850	SF	x	x	
2	210	Classroom 210	Concrete Block Wall	Non Suspect ACM	x	970	SF	x	x	
2	210	Classroom 210	Partition Room Dividers	Non Suspect ACM	x	230	SF	x	x	
2	210	Classroom 210	Floor Tile VAT 12" x 12"	Assumed	NF1	850	SF	ND	NRN	
2	210	Classroom 210	Cement Floor	Non Suspect ACM	x	850	SF	x	x	
2	210	Classroom 210	Blackboard Glue Dots	Assumed	NF1	115	SF	ND	NRN	
2	210	Classroom 210	Sink Undercoat Mastic	Assumed	NF2	6	SF	ND	NRN	Black
2	211	Classroom 211	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	1020	SF	x	x	
2	211	Classroom 211	Concrete Ceiling	Non Suspect ACM	x	1020	SF	x	x	
2	211	Classroom 211	Sheetrock Wall	NAD	x	340	SF	x	x	
2	211	Classroom 211	Concrete Block Wall	Non Suspect ACM	x	1000	SF	x	x	
2	211	Classroom 211	Transite	Confirmed	NF2	8	SF	ND	NRN	Panel around connecting door to Classroom 210. Panels face both Classrooms 210 and 211. Quantity is included in Classroom 211 only.
2	211	Classroom 211	Floor Tile VAT 12" x 12"	Assumed	NF1	850	SF	ND	NRN	
2	211	Classroom 211	Floor Tile VAT 12" x 12"	Assumed	NF1	170	SF	ND	NRN	
2	211	Classroom 211	Cement Floor	Non Suspect ACM	x	1020	SF	x	x	
2	211	Classroom 211	Blackboard Glue Dots	Assumed	NF1	115	SF	ND	NRN	
2	211	Classroom 211	Sink Undercoat Mastic	Assumed	NF2	6	SF	ND	NRN	Black
2	211A	Classroom 211 Closet	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	25	SF	x	x	
2	211A	Classroom 211 Closet	Concrete Ceiling	Non Suspect ACM	x	25	SF	x	x	
2	211A	Classroom 211 Closet	Concrete Block Wall	Non Suspect ACM	x	200	SF	x	x	
2	211A	Classroom 211 Closet	Floor Tile VAT 12" x 12"	Assumed	NF1	25	SF	ND	NRN	
2	211A	Classroom 211 Closet	Cement Floor	Non Suspect ACM	x	25	SF	x	x	
2	212	Classroom 212	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	850	SF	x	x	
2	212	Classroom 212	Concrete Ceiling	Non Suspect ACM	x	850	SF	x	x	
2	212	Classroom 212	Sheetrock Wall	NAD	x	700	SF	x	x	
2	212	Classroom 212	Concrete Block Wall	Non Suspect ACM	x	500	SF	x	x	
2	212	Classroom 212	Floor Tile VAT 12" x 12"	Assumed	NF1	425	SF	ND	NRN	
2	212	Classroom 212	Floor Tile VAT 12" x 12"	Assumed	NF1	425	SF	ND	NRN	
2	212	Classroom 212	Cement Floor	Non Suspect ACM	x	850	SF	x	x	
2	212	Classroom 212	Blackboard Glue Dots	Assumed	NF1	115	SF	ND	NRN	
2	212	Classroom 212	Sink Undercoat Mastic	Assumed	NF2	6	SF	ND	NRN	Black
2	212A	Office 212A	Floor Tile VAT 12" x 12"	Assumed	NF1	460	SF	ND	NRN	
	212A	Office 212A	Concrete Block Wall	Non Suspect ACM	x	1380	SF	x	x	
	212A	Office 212A	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	460	SF	x	x	
	212A	Office 212A	Blackboard Glue Dots	Assumed	NF1	115	SF	ND	NRN	
2	213	Classroom 213	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	850	SF	x	x	
2	213	Classroom 213	Concrete Ceiling	Non Suspect ACM	x	850	SF	x	x	
2	213	Classroom 213	Sheetrock Wall	NAD	x	700	SF	x	x	
2	213	Classroom 213	Concrete Block Wall	Non Suspect ACM	x	500	SF	x	x	
2	213	Classroom 213	Floor Tile VAT 12" x 12"	Assumed	NF1	850	SF	ND	NRN	
2	213	Classroom 213	Cement Floor	Non Suspect ACM	x	850	SF	x	x	
2	213	Classroom 213	Blackboard Glue Dots	Assumed	NF1	115	SF	ND	NRN	
2	213	Classroom 213	Sink Undercoat Mastic	Assumed	NF2	6	SF	ND	NRN	
2	213A	Office 213A	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	520	SF	x	x	
2	213A	Office 213A	Concrete Ceiling	Non Suspect ACM	x	520	SF	x	x	
2	213A	Office 213A	Concrete Block Wall	Non Suspect ACM	x	940	SF	x	x	
2	213A	Office 213A	Floor Tile VAT 12" x 12"	Assumed	NF1	520	SF	ND	NRN	
2	213A	Office 213A	Cement Floor	Non Suspect ACM	x	520	SF	x	x	
2	213A	Office 213A	Blackboard Glue Dots	Assumed	NF1	80	SF	ND	NRN	
2	214	Classroom 214	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	1020	SF	x	x	
2	214	Classroom 214	Concrete Ceiling	Non Suspect ACM	x	1020	SF	x	x	
2	214	Classroom 214	Sheetrock Wall	NAD	x	340	SF	x	x	
2	214	Classroom 214	Concrete Block Wall	Non Suspect ACM	x	1000	SF	x	x	
2	214	Classroom 214	Transite	Confirmed	NF2	8	SF	ND	NRN	
2	214	Classroom 214	Floor Tile VAT 12" x 12"	Assumed	NF1	850	SF	ND	NRN	
2	214	Classroom 214	Floor Tile VAT 12" x 12"	Assumed	NF1	170	SF	ND	NRN	
2	214	Classroom 214	Cement Floor	Non Suspect ACM	x	1020	SF	x	x	
2	214	Classroom 214	Blackboard Glue Dots	Assumed	NF1	115	SF	ND	NRN	
2	214	Classroom 214	Sink Undercoat Mastic	Assumed	NF2	6	SF	ND	NRN	Black
2	214A	Classroom 214 Closet	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	50	SF	x	x	
2	214A	Classroom 214 Closet	Concrete Ceiling	Non Suspect ACM	x	50	SF	x	x	
2	214A	Classroom 214 Closet	Concrete Block Wall	Non Suspect ACM	x	280	SF	x	x	
2	214A	Classroom 214 Closet	Floor Tile VAT 12" x 12"	Assumed	NF1	50	SF	ND	NRN	
2	214A	Classroom 214 Closet	Cement Floor	Non Suspect ACM	x	50	SF	x	x	
2	215	Classroom 215	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	676	SF	x	x	
2	215	Classroom 215	Concrete Ceiling	Non Suspect ACM	x	676	SF	x	x	
2	215	Classroom 215	Concrete Block Wall	Non Suspect ACM	x	1040	SF	x	x	
2	215	Classroom 215	Floor Tile VAT 12" x 12"	Assumed	NF1	676	SF	ND	NRN	
2	215	Classroom 215	Cement Floor	Non Suspect ACM	x	676	SF	x	x	
2	215	Classroom 215	Blackboard Glue Dots	Assumed	NF1	40	SF	ND	NRN	
2	215A	Storage Room adjacent to Classroom 215	Pipe Fitting Insulation	Confirmed	FRI	1	EA	ND	NRN	
2	215A	Storage Room adjacent to Classroom 215	Fiberglass Pipe Insulation	Non Suspect ACM	x	12	LF	x	x	
2	215A	Storage Room adjacent to Classroom 215	Concrete Ceiling	Non Suspect ACM	x	145	SF	x	x	
2	215A	Storage Room adjacent to Classroom 215	Concrete Block Wall	Non Suspect ACM	x	550	SF	x	x	
2	215A	Storage Room adjacent to Classroom 215	Floor Tile VAT 12" x 12"	Assumed	NF1	145	SF	ND	NRN	
2	215A	Storage Room adjacent to Classroom 215	Cement Floor	Non Suspect ACM	x	145	SF	x	x	
2	215A	Storage Room adjacent to Classroom 215	Textured Ceiling Paint	Confirmed	FRI	185	SF	ND	NRN	
2	217A	Women's Restroom across from Classroom 215	Fiberglass Pipe Insulation	Non Suspect ACM	x	6	LF	x	x	
2	217A	Women's Restroom across from Classroom 215	Concrete Ceiling	Non Suspect ACM	x	66	SF	x	x	
2	217A	Women's Restroom across from Classroom 215	Concrete Block Wall	Non Suspect ACM	x	375	SF	x	x	
2	217A	Women's Restroom across from Classroom 215	Cement Floor	Non Suspect ACM	x	66	SF	x	x	
2	217A	Women's Restroom across from Classroom 215	Textured Ceiling Paint	Confirmed	FRI	100	SF	ND	NRN	Material is also on Metal Duct near the Ceiling
2	218	Mechanical Room behind Women's Restroom across from Classroom 215	Cement Floor	Non Suspect ACM	x	100	SF	x	x	

School District of Philadelphia

Asbestos Inspection Report - Section 9

John B. Kelly Elementary School (6470)

5116 Pulaski Avenue, 19144

Prepared by: Bernard J. Bryson

Certification # 0437 Date: 3/16/2018

Mechanical Plant Replacement Project

Survey Type

_____ 6 Month Surveillance

_____ Three- Year Reinspection IX

_____ AIR/EIE

__X__ Asbestos Abatement Activity

_____ Bulk Sampling Event

Bid Number: MC-B-004C of 2017/2018, EC-B-024C of 2017/2018, GC-B-003C of 2017/2018

Floor	Space # (on Floor Plan)	Onsite Room Name	Material Description	Confirmed, Assumed, NAD, Non Suspect ACM	Type (Code 1)	Amount of Material	SF/LF/EA	Condition (Code 2)	Action (Code 3)	Comments/Description/Notes
2	218	Mechanical Room behind Women's Restroom across from Classroom 215	Concrete Block Wall	Non Suspect ACM	x	300	SF	x	x	
2	218	Mechanical Room behind Women's Restroom across from Classroom 215	Concrete Ceiling	Non Suspect ACM	x	100	SF	x	x	
2	218	Mechanical Room behind Women's Restroom across from Classroom 215	Neoprene Pipe Insulation	Non Suspect ACM	x	20	LF	x	x	
2	218	Mechanical Room behind Women's Restroom across from Classroom 215	Vibration Damper Cloth	Non Suspect ACM	x	25	SF	x	x	Black Vinyl Flexible Duct Connector
2	216	Classroom 216	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	800	SF	x	x	
2	216	Classroom 216	Concrete Ceiling	Non Suspect ACM	x	800	SF	x	x	
2	216	Classroom 216	Concrete Block Wall	Non Suspect ACM	x	1200	SF	x	x	
2	216	Classroom 216	Floor Tile VAT 12" x 12"	Assumed	NF1	800	SF	ND	NRN	
2	216	Classroom 216	Cement Floor	Non Suspect ACM	x	800	SF	x	x	
2	216	Classroom 216	Blackboard Glue Dots	Assumed	NF1	130	SF	ND	NRN	
2	216A	Classroom 216 Restroom	Concrete Ceiling	Non Suspect ACM	x	50	SF	x	x	
2	216A	Classroom 216 Restroom	Concrete Block Wall	Non Suspect ACM	x	280	SF	x	x	
2	216A	Classroom 216 Restroom	Cement Floor	Non Suspect ACM	x	50	SF	x	x	
2	216A	Classroom 216 Restroom	Textured Ceiling Paint	Confirmed	FRI	50	SF	ND	NRN	
2	217D	Classroom 217A	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	1010	SF	x	x	
2	217D	Classroom 217A	Concrete Ceiling	Non Suspect ACM	x	1010	SF	x	x	
2	217D	Classroom 217A	Sheetrock Wall	NAD	x	650	SF	x	x	
2	217D	Classroom 217A	Concrete Block Wall	Non Suspect ACM	x	555	SF	x	x	
2	217D	Classroom 217A	Floor Tile VAT 12" x 12"	Assumed	NF1	1010	SF	ND	NRN	
2	217D	Classroom 217A	Cement Floor	Non Suspect ACM	x	1010	SF	x	x	
2	217D	Classroom 217A	Blackboard Glue Dots	Assumed	NF1	85	SF	ND	NRN	
2	217B	Classroom 217B	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	1010	SF	x	x	
2	217B	Classroom 217B	Concrete Ceiling	Non Suspect ACM	x	1010	SF	x	x	
2	217B	Classroom 217B	Sheetrock Wall	NAD	x	650	SF	x	x	
2	217B	Classroom 217B	Concrete Block Wall	Non Suspect ACM	x	555	SF	x	x	
2	217B	Classroom 217B	Transite Sills	Assumed	NF2	1	SF	ND	NRN	Fire Extinguisher Ledge
2	217B	Classroom 217B	Floor Tile VAT 12" x 12"	Assumed	NF1	1010	SF	ND	NRN	
2	217B	Classroom 217B	Cement Floor	Non Suspect ACM	x	1010	SF	x	x	
2	217B	Classroom 217B	Blackboard Glue Dots	Assumed	NF1	85	SF	ND	NRN	
2	217C	Classroom 217C	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	695	SF	x	x	
2	217C	Classroom 217C	Concrete Ceiling	Non Suspect ACM	x	695	SF	x	x	
2	217C	Classroom 217C	Sheetrock Wall	NAD	x	400	SF	x	x	
2	217C	Classroom 217C	Concrete Block Wall	Non Suspect ACM	x	480	SF	x	x	
2	217C	Classroom 217C	Transite Sills	Assumed	NF2	1	SF	ND	NRN	Fire Extinguisher Ledge
2	217C	Classroom 217C	Floor Tile VAT 12" x 12"	Assumed	NF1	695	SF	ND	NRN	
2	217C	Classroom 217C	Cement Floor	Non Suspect ACM	x	695	SF	x	x	
2	H201	Hallway outside Classrooms 216-201	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	290	SF	x	x	
2	H201	Hallway outside Classrooms 216-201	Concrete Ceiling	Non Suspect ACM	x	290	SF	x	x	
2	H201	Hallway outside Classrooms 216-201	Concrete Block Wall	Non Suspect ACM	x	770	SF	x	x	
2	H201	Hallway outside Classrooms 216-201	Transite Sills	Assumed	NF2	1	SF	ND	NRN	Fire Extinguisher Ledge
2	H201	Hallway outside Classrooms 216-201	Floor Tile VAT 12" x 12"	Assumed	NF1	290	SF	ND	NRN	
2	H201	Hallway outside Classrooms 216-201	Cement Floor	Non Suspect ACM	x	290	SF	x	x	
2	H202	Hallway outside Classrooms 202-203	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	370	SF	x	x	
2	H202	Hallway outside Classrooms 202-203	Concrete Ceiling	Non Suspect ACM	x	370	SF	x	x	
2	H202	Hallway outside Classrooms 202-203	Concrete Block Wall	Non Suspect ACM	x	1000	SF	x	x	
2	H202	Hallway outside Classrooms 202-203	Floor Tile VAT 12" x 12"	Assumed	NF1	354	SF	ND	NRN	
2	H202	Hallway outside Classrooms 202-203	Floor Tile VAT 12" x 12"	Assumed	NF1	16	SF	ND	NRN	
2	H202	Hallway outside Classrooms 202-203	Cement Floor	Non Suspect ACM	x	370	SF	x	x	
2	H203	Hallway across from North Stairwell to Classroom 217C	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	210	SF	x	x	
2	H203	Hallway across from North Stairwell to Classroom 217C	Concrete Ceiling	Non Suspect ACM	x	210	SF	x	x	
2	H203	Hallway across from North Stairwell to Classroom 217C	Concrete Block Wall	Non Suspect ACM	x	450	SF	x	x	
2	H203	Hallway across from North Stairwell to Classroom 217C	Floor Tile VAT 12" x 12"	Assumed	NF1	180	SF	ND	NRN	
2	H203	Hallway across from North Stairwell to Classroom 217C	Cement Floor	Non Suspect ACM	x	210	SF	x	x	
2	S201	North Stairwell next to Classroom 203	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	115	SF	x	x	
2	S201	North Stairwell next to Classroom 203	Concrete Ceiling	Non Suspect ACM	x	115	SF	x	x	
2	S201	North Stairwell next to Classroom 203	Concrete Block Wall	Non Suspect ACM	x	400	SF	x	x	
2	S201	North Stairwell next to Classroom 203	Cement Floor	Non Suspect ACM	x	115	SF	x	x	
2	H204	Hallway outside Classrooms 204-205	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	290	SF	x	x	
2	H204	Hallway outside Classrooms 204-205	Concrete Ceiling	Non Suspect ACM	x	290	SF	x	x	
2	H204	Hallway outside Classrooms 204-205	Sheetrock Wall	NAD	x	720	SF	x	x	
2	H204	Hallway outside Classrooms 204-205	Concrete Block Wall	Non Suspect ACM	x	50	SF	x	x	
2	H204	Hallway outside Classrooms 204-205	Transite Sills	Assumed	NF2	2	SF	ND	NRN	Fire Extinguisher Ledge
2	H204	Hallway outside Classrooms 204-205	Floor Tile VAT 12" x 12"	Assumed	NF1	290	SF	ND	NRN	
2	H204	Hallway outside Classrooms 204-205	Cement Floor	Non Suspect ACM	x	290	SF	x	x	
2	H205	Hallway outside Classrooms 206-207	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	370	SF	x	x	
2	H205	Hallway outside Classrooms 206-207	Concrete Ceiling	Non Suspect ACM	x	370	SF	x	x	
2	H205	Hallway outside Classrooms 206-207	Concrete Block Wall	Non Suspect ACM	x	1000	SF	x	x	
2	H205	Hallway outside Classrooms 206-207	Floor Tile VAT 12" x 12"	Assumed	NF1	370	SF	ND	NRN	
2	H205	Hallway outside Classrooms 206-207	Cement Floor	Non Suspect ACM	x	370	SF	x	x	
2	H206	Hallway across from East Stairwell to Classroom 217A	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	210	SF	x	x	
2	H206	Hallway across from East Stairwell to Classroom 217A	Concrete Ceiling	Non Suspect ACM	x	210	SF	x	x	
2	H206	Hallway across from East Stairwell to Classroom 217A	Concrete Block Wall	Non Suspect ACM	x	450	SF	x	x	
2	H206	Hallway across from East Stairwell to Classroom 217A	Floor Tile VAT 12" x 12"	Assumed	NF1	180	SF	ND	NRN	
2	H206	Hallway across from East Stairwell to Classroom 217A	Cement Floor	Non Suspect ACM	x	210	SF	x	x	
2	S202	East Stairwell next to Classroom 207	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	115	SF	x	x	
2	S202	East Stairwell next to Classroom 207	Concrete Ceiling	Non Suspect ACM	x	115	SF	x	x	
2	S202	East Stairwell next to Classroom 207	Concrete Block Wall	Non Suspect ACM	x	400	SF	x	x	
2	S202	East Stairwell next to Classroom 207	Cement Floor	Non Suspect ACM	x	115	SF	x	x	
2	H207	Hallway outside Classrooms 208-209	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	290	SF	x	x	
2	H207	Hallway outside Classrooms 208-209	Concrete Ceiling	Non Suspect ACM	x	290	SF	x	x	
2	H207	Hallway outside Classrooms 208-209	Concrete Block Wall	Non Suspect ACM	x	770	SF	x	x	
2	H207	Hallway outside Classrooms 208-209	Transite Sills	Assumed	NF2	2	SF	ND	NRN	Fire Extinguisher Ledge
2	H207	Hallway outside Classrooms 208-209	Floor Tile VAT 12" x 12"	Assumed	NF1	290	SF	ND	NRN	
2	H207	Hallway outside Classrooms 208-209	Cement Floor	Non Suspect ACM	x	290	SF	x	x	
2	H208	Hallway outside Classrooms 210-211	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	370	SF	x	x	
2	H208	Hallway outside Classrooms 210-211	Concrete Ceiling	Non Suspect ACM	x	370	SF	x	x	

		School District of Philadelphia	Survey Type							
		Asbestos Inspection Report - Section 9	_____ 6 Month Surveillance							
		John B. Kelly Elementary School (6470)	_____ Three- Year Reinspection IX							
		5116 Pulaski Avenue, 19144	_____ AIR/EIE							
		Prepared by: Bernard J. Bryson	__X__ Asbestos Abatement Activity							
		Certification # 0437 Date: 3/16/2018	_____ Bulk Sampling Event							
		Mechanical Plant Replacement Project	Bid Number: MC-B-004C of 2017/2018, EC-B-024C of 2017/2018, GC-B-003C of 2017/2018							
Floor	*Space # (on Floor Plan)*	*Onsite Room Name*	*Material Description*	*Confirmed, Assumed, NAD, Non Suspect ACM*	*Type (Code 1)*	*Amount of Material*	*SF/LF/EA*	*Condition (Code 2)*	*Action (Code 3)*	*Comments/Description/Notes*
2	H208	Hallway outside Classrooms 210-211	Concrete Block Wall	Non Suspect ACM	x	1000	SF	x	x	
2	H208	Hallway outside Classrooms 210-211	Floor Tile VAT 12" x 12"	Assumed	NF1	350	SF	ND	NRN	
2	H208	Hallway outside Classrooms 210-211	Floor Tile VAT 12" x 12"	Assumed	NF1	20	SF	ND	NRN	
2	H208	Hallway outside Classrooms 210-211	Cement Floor	Non Suspect ACM	x	370	SF	x	x	
2	H209	Hallway across from South Stairwell to Classroom 217B	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	210	SF	x	x	
2	H209	Hallway across from South Stairwell to Classroom 217B	Concrete Ceiling	Non Suspect ACM	x	210	SF	x	x	
2	H209	Hallway across from South Stairwell to Classroom 217B	Concrete Block Wall	Non Suspect ACM	x	450	SF	x	x	
2	H209	Hallway across from South Stairwell to Classroom 217B	Floor Tile VAT 12" x 12"	Assumed	NF1	180	SF	ND	NRN	
2	H209	Hallway across from South Stairwell to Classroom 217B	Cement Floor	Non Suspect ACM	x	210	SF	x	x	
2	S203	South Stairwell next to Classroom 211	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	115	SF	x	x	
2	S203	South Stairwell next to Classroom 211	Concrete Ceiling	Non Suspect ACM	x	115	SF	x	x	
2	S203	South Stairwell next to Classroom 211	Concrete Block Wall	Non Suspect ACM	x	400	SF	x	x	
2	S203	South Stairwell next to Classroom 211	Cement Floor	Non Suspect ACM	x	115	SF	x	x	
2	H210	Hallway outside Classrooms 212-213	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	290	SF	x	x	
2	H210	Hallway outside Classrooms 212-213	Concrete Ceiling	Non Suspect ACM	x	290	SF	x	x	
2	H210	Hallway outside Classrooms 212-213	Sheetrock Wall	NAD	x	360	SF	x	x	
2	H210	Hallway outside Classrooms 212-213	Concrete Block Wall	Non Suspect ACM	x	410	SF	x	x	
2	H210	Hallway outside Classrooms 212-213	Transite Sills	Assumed	NF2	2	SF	ND	NRN	
2	H210	Hallway outside Classrooms 212-213	Floor Tile VAT 12" x 12"	Assumed	NF1	279	SF	ND	NRN	
2	H210	Hallway outside Classrooms 212-213	Floor Tile VAT 12" x 12"	Assumed	NF1	11	SF	ND	NRN	
2	H210	Hallway outside Classrooms 212-213	Cement Floor	Non Suspect ACM	x	290	SF	x	x	
2	H211	Hallway outside Classrooms 214-215	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	370	SF	x	x	
2	H211	Hallway outside Classrooms 214-215	Concrete Ceiling	Non Suspect ACM	x	370	SF	x	x	
2	H211	Hallway outside Classrooms 214-215	Concrete Block Wall	Non Suspect ACM	x	1000	SF	x	x	
2	H211	Hallway outside Classrooms 214-215	Floor Tile VAT 12" x 12"	Assumed	NF1	370	SF	ND	NRN	
2	H211	Hallway outside Classrooms 214-215	Cement Floor	Non Suspect ACM	x	370	SF	x	x	
2	H212	Hallway across from West Stairwell to Classroom 217C	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	210	SF	x	x	
2	H212	Hallway across from West Stairwell to Classroom 217C	Concrete Ceiling	Non Suspect ACM	x	210	SF	x	x	
2	H212	Hallway across from West Stairwell to Classroom 217C	Concrete Block Wall	Non Suspect ACM	x	450	SF	x	x	
2	H212	Hallway across from West Stairwell to Classroom 217C	Floor Tile VAT 12" x 12"	Assumed	NF1	180	SF	ND	NRN	
2	H212	Hallway across from West Stairwell to Classroom 217C	Cement Floor	Non Suspect ACM	x	210	SF	x	x	
2	S204	West Stairwell next to Classroom 214	Fiberglass Ceiling Tile 2' x 4'	Non Suspect ACM	x	115	SF	x	x	
2	S204	West Stairwell next to Classroom 214	Concrete Ceiling	Non Suspect ACM	x	115	SF	x	x	
2	S204	West Stairwell next to Classroom 214	Concrete Block Wall	Non Suspect ACM	x	400	SF	x	x	
2	S204	West Stairwell next to Classroom 214	Cement Floor	Non Suspect ACM	x	115	SF	x	x	

12. List all locations inspected that do **NOT** have asbestos containing material present:

Location	Location
Refer to Section 9	

13. List all materials assumed to be Asbestos Containing Materials that will not be disturbed by the Renovation/Demolition Activity. Note: If assumed materials will be impacted by the work, request a sampling strategy that meets OEMS approval. **(All bulk sampling data was obtained in the J.B. Kelly School's AHERA Management Plan)**

Assumed Material & Location	Assumed Material & Location	Assumed Material & Location	Assumed Material & Location
Acoustical Plaster Ceiling in the Auditorium Visually different than the confirmed asbestos-containing acoustical plaster ceiling in the Cafeteria and Main Lobby - Located in six (6), 70 SF rectangles	Hard Coat Plaster Ceilings - Auditorium and Stage	Pipe Fitting Insulation – throughout 1st floor (confirmed asbestos-containing throughout basement and 2nd Floors)	Vibration damper cloth throughout building
Internal materials associated with Incinerator - Mechanical Room in Hallway to Gym	Fire Doors – throughout building	Glue dot adhesive – Behind blackboards and tack boards throughout building	Sink Undercoat Mastic – throughout building
Transite Fire Extinguisher Ledges throughout building	12" x 12" floor tile & mastic throughout building	Interior/Exterior Caulks (expansion seam, window, door, etc.)	Roof (field and flashing)

Signature of Certified Asbestos Investigator: Date: Signature of Building Owner: Date:

3/16/2018

14. List all homogeneous materials present in this school (Only Positive or Negative Sampled Materials can be listed in box 14 below): (**All bulk sampling data was obtained in the J.B. Kelly School's AHERA Management Plan)**

ASBESTOS CONTAINING MATERIALS	NON-ASBESTOS MATERIALS
Boiler breeching insulation in the boiler room (behind boilers # 1 and # 2)	Fiberglass pipe/pipe fitting insulation throughout building
Tank insulation in the boiler room (existing hot water generator tank)	Concrete floors and ceilings throughout building
Acoustical Plaster Ceiling throughout the Cafeteria	Concrete block and brick walls throughout building
Acoustical Plaster Ceiling throughout the Main Lobby	2' x 4' Fiberglass ceiling tiles throughout building
Textured ceiling paint applied to concrete ceilings in restrooms, closets and storage rooms throughout building (this material is also on fiberglass pipe insulation, upper CMU block walls, concrete beams, metal ductwork, metal hangers, pipe saddles, copper tubing, conduit, and any other components near or attached to the concrete ceilings)	Hard Coat Plaster Walls and Ceilings - throughout building (excluding Auditorium and Stage Plaster Ceilings, which remain assumed)
Transite Wall Panels Surrounding Doorways throughout building	Sheetrock walls throughout building
Pipe Fitting Insulation – throughout Basement and 2nd Floors (assumed on the 1st floor)	Wood floors in the Auditorium and Rear Control Room
9" x 9" floor tile & mastic in the IMC 4 Storage Room	Black Vinyl Vibration Damper Connectors throughout building
	Fiberglass interior duct lining

15. Caution labels affixed to all ACM ? ☐ Yes ☒ No

All contractors' employees involved in the demolition or renovation activity must receive a copy or have access to this Asbestos Inspection Report.

Signature of Certified Asbestos Investigator: Date: Signature of Building Owner: Date:

3/16/2018

SPECIFICATION
for
THE REMOVAL
of
ASBESTOS CONTAINING MATERIALS
throughout the
JOHN B. KELLY ELEMENTARY SCHOOL
5116 Pulaski Avenue
Philadelphia, Pennsylvania 19144

prepared for:

THE SCHOOL DISTRICT OF PHILADELPHIA
OFFICE OF ENVIRONMENTAL MANAGEMENT
440 North Broad Street
3rd Floor, Room 3053
Philadelphia, Pennsylvania 19130

prepared by:

SYNERTECH INCORPORATED
228 Moore Street
Philadelphia, Pennsylvania 19148
Project # 010-4323

March 16, 2018

Bernard J. Bryson
Certified Pennsylvania Asbestos Project Designer
No. 037636

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1.00 INTRODUCTION

.01 This specification outlines the required tasks and procedures involved in the removal of asbestos containing textured (ceiling) paint, asbestos containing pipe fitting insulation, 12" x 12" vinyl asbestos floor tile and electrical wire insulation at the John B. Kelly Elementary school building to allow for the advancement of a Mechanical Plant Replacement Project. Asbestos containing material (ACM) removal and associated decontamination cleaning procedures shall be accomplished under asbestos-abatement conditions.

.02 The Asbestos Abatement Contractor (AAC) must demonstrate they have the necessary personnel, equipment, materials, and experience to complete a project of this nature.

a. The AAC shall submit a work plan to the School District of Philadelphia Office of Environmental Services (OEMS) ten (10) days prior to beginning the project. The work plan shall include a schedule for all work areas listed in *Section 1.11*. The schedule shall be approved by OEMS and the Asbestos Project Designer prior to the commencement of work. The schedule shall include dates and timelines for the completion of all work areas listed in addition to proposed crew sizes. Refer to *Section 20.00 - Work Scope Progress Schedule Template*.

b. The AAC shall be a current pre-qualified contractor by the School District of Philadelphia and must demonstrate they have the necessary personnel, equipment, materials, and experience to complete a project of this nature in the required time period.

.03 All Prime Contractors and Subcontractors shall inform themselves fully of the scope and scale of the asbestos abatement as it relates to this project. At no time shall any Contractor/Subcontractor disturb asbestos-containing ceiling paint, textured plaster, smooth plaster, 12"x12" floor tile, floor tile mastic, cement wall and door transom panels (trade name transite panels), breeching insulation, tank insulation, or any other Asbestos Containing Material listed on the Asbestos Inspection Report. Contractors and Subcontractors shall prove a copy of the Asbestos Inspection Report to all personnel from their Company upon admission to each construction work zone. A mandatory pre-commencement meeting shall be attended by all Prime Contractor(s) to discuss the Asbestos Inspection Report and the School District of Philadelphia's environmental compliance policies for all outside Contractors.

.04 The AAC shall provide appropriate isolation barriers to separate asbestos abatement work areas from adjacent construction work areas and student/teacher occupied areas of the school. Included in the asbestos abatement work areas shall be buffer zones. These buffer zones shall be intended for staging areas for the AAC as well as locations to install three stage decontamination chambers. Buffer zones are also intended to protect all construction personnel and student/teacher occupants from asbestos exposure in the event that "outside the work area" air samples show elevated levels of asbestos fibers and remediation of the area(s) is warranted.

.05 This asbestos abatement project shall include the removal of asbestos-containing textured ceiling paint expected to be impacted by the scope of the Mechanical Plant Replacement Project.

a. The removal of asbestos-containing textured paint applied to concrete ceilings shall also be removed from the following components within the specified work areas, including, but not limited to:

1. upper portions of CMU block walls;
2. fiberglass pipe insulation
(remove and discard fiberglass pipe insulation in its entirety);
3. data cable trays attached to the upper portions of walls and ceilings;
4. metal ductwork along the ceilings;
5. duct and pipe hangers attached to the upper portions of walls and ceilings;
6. pipe saddles attached to the upper portions of walls and ceilings;
7. light fixtures attached to ceilings;
8. copper tubing attached to the upper portions of walls and ceilings;
9. electrical conduit attached to the upper portions of walls and ceilings;
10. any other Architectural/Mechanical/Electrical/Plumbing component along the upper portions of CMU block walls and concrete ceilings with asbestos containing textured ceiling paint applied.

b. Care shall be taken not to damage building materials and associated Architectural, Mechanical, Electrical, Plumbing components during the removal of textured paint.

c. Damage to the walls, ceilings and/or any other Architectural, Mechanical, Electrical, Plumbing component caused by the AAC shall be repaired by the AAC.

.06 All pipe insulation of any kind, including fiberglass pipe insulation (FGPI), neoprene, cork, cellular glass, etc. located throughout the specified work areas shall be removed as part of this project.

a. Once containments and air filtration devices (AFDs) are in place but prior to start of asbestos abatement, all non-asbestos pipe insulation may be removed and disposed of as construction debris, under 'dust control' conditions. Once asbestos abatement commences, all non-asbestos containing materials present in the work area shall be removed and disposed of as asbestos contaminated waste.

.07 The AAC must utilize a licensed electrician to provide a separate temporary electric panel, receptacles, and lights, <u>all with ground fault interruption and current-overload protection</u>.

.08 A representative from the AAC shall attend regularly scheduled construction progress meetings while asbestos abatement is occurring during all phases of the project. The representative of the AAC must have authorization to speak for and make commitments for the AAC. The GC and AAC shall continuously coordinate to fulfill project milestones and phasing requirements. The Owner will not pay remobilization fees, charges and/or change orders issued by the GC and/or AAC.

.09 Regarding partial roof removal and replacement by the General Contractor:

a. Existing roofing materials are presumed asbestos-containing materials (PACMs). The removal of roofing materials are non-regulated projects according to the City of Philadelphia Asbestos Control Regulation (ACR), provided:

1. the methods utilized to remove the roofing do not render the roofing material friable. The use of rotating blade roof cutters or other powered equipment that sand, grind, cut, or abrade the roof material is prohibited. Only methods that slice, shear, or punch using equipment such as axes, hatchets, knives, spud bars, pry bars and shovels shall be permitted.

2. the resulting waste is disposed of at a landfill that accepts non-friable asbestos waste. No recycling of the roofing materials is acceptable without sampling and analysis that would confirm that the roofing materials are non-asbestos.

3. the supervisor of the crew performing the removal of the roofing material has successfully completed asbestos awareness training at a minimum, in accordance with the Pennsylvania Department of Environmental Protection (PADEP).

4. appropriate notification of a non-friable asbestos abatement project is submitted to the EPA, DEP, and Philadelphia Air Management Services.

.10 The Work Scope Summarization (*Section 1.11*) beginning on the following page consists of the following tasks in the On-Site Room Names listed:

a. relocation of movable items;
b. containment preparation;
c. removal of asbestos containing materials under asbestos-abatement conditions and/or the removal of fiberglass pipe insulation under ‘dust control’ conditions;
d. encapsulation of the work area following asbestos abatement;
e. moving of all furniture and educational materials back to their original locations after the receipt of acceptable air sampling results.

		School District of Philadelphia	Survey Type						
		Section 1.11 - Work Scope Summarization	_____ 6 Month Surveillance						
		John B. Kelly Elementary School (6470)	_____ Three- Year Reinspection IX						
		5116 Pulaski Avenue, 19144	_____ AIR/EIE						
		Prepared by: Bernard J. Bryson	__X__ Asbestos Abatement Activity						
		Certification # 0437 Date: 3/16/2018	_____ Bulk Sampling Event						
		Mechanical Plant Replacement Project	**Bid Number: MC-B-004C of 2017/2018, EC-B-024C of 2017/2018, GC-B-003C of 2017/2018**						
Floor	***Space # (on Floor Plan)***	***Onsite Room Name***	***Material Description***	***Confirmed, Assumed, NAD, Non Suspect ACM***	***Type (Code 1)***	***Amount of Material***	***SF/LF/EA***	***Action (Code 3)***	***Comments/Description/Notes***
T	TH-OUT	Throughout Building	Pipe Fitting Insulation	Confirmed in the Basement and 2nd Floor; Assumed on the 1st Floor	FRI	Q/U	EA	**Refer to the Supplemental Bid Form - Request for Unit Pricing**	**Remove all exposed and/or concealed ACPFs associated with the Cold/Hot Water Supply/Return Piping Scheduled for Replacement**
T	TH-OUT	Throughout Building	Floor Tile VAT 12" x 12"	Confirmed	NF1	20 SF at each UV Location	SF	**See Section 1.10**	**Remove at Unit-Ventilator Locations Indicated on the Mechanical Demolition Drawings and Schedules - Asbestos-Containing Floor Tile must be receive proper disposal (asbestos-containing mastic residue on concrete floor surfaces shall remain)**
T	TH-OUT	Throughout Building	Wire Insulation	Assumed	NF2	5 LF inside each of 16 Panels	x	**See Section 1.10**	**5 LF of White Woven Wire Insulation assumed within all Wall Mounted Electric Panels - Remove at Locations Indicated on the Mechanical Demolition Drawings and Schedules**
B	002	Boiler Room	Pipe Fitting Insulation	Confirmed	FRI	Q/U	EA	**See Section 1.10**	**Remove any ACPFs associated with the Cold/Hot Water Supply/Return Piping Scheduled for Demolition**
B	002	Boiler Room	Fiberglass Pipe Insulation	Non Suspect ACM	x	350	LF	**See Section 1.10**	**Remove all Fiberglass Pipe Insulation applied to Cold and Hot Water Supply/Return Piping shown to be demolished on Drawing MD1.4**
B	002	Boiler Room	Fiberglass Pipe Fitting Insulation	Non Suspect ACM	x	60	EA	**See Section 1.10**	**Remove all Fiberglass Pipe Fitting Insulation applied to Cold and Hot Water Supply/Return Piping shown to be demolished on Drawing MD1.4**
B	S01	Stairwell from 1st Floor to Boiler Room	Pipe Fitting Insulation	Confirmed	FRI	4	EA	**See Section 1.10**	**3 of the 4 ACPFs are packed into the CMU Block Wall**
1	023K	Closet between Classrooms K-1 & K-2	Textured Ceiling Paint	Confirmed	FRI	400	SF	**See Section 1.10**	**Material is also on Metal Ductwork, Hangers, Saddles, Copper Tubing and Conduit**
1	020K	Closet between Classrooms K-3 & K-4	Fiberglass Pipe Insulation	Confirmed	FRI	80	LF	**See Section 1.10**	**Material has Asbestos Textured Paint on the Outside and Must be Treated as ACM**
1	020K	Closet between Classrooms K-3 & K-4	Textured Ceiling Paint	Confirmed	FRI	400	SF	**See Section 1.10**	**Material is also on Metal Ductwork, Fiberglass Pipe Insulation, Hangers, Saddles, Copper Tubing and Conduit**
1	017K	Closet between Classrooms K-5 & K-6	Textured Ceiling Paint	Confirmed	FRI	400	SF	**See Section 1.10**	**Material is also on Metal Ductwork, Hangers, Saddles, Copper Tubing and Conduit**
1	005	Mechanical Room adjacent to Stairwell to Boiler Room	Pipe Fitting Insulation	Assumed	FRI	9	EA	**See Section 1.10**	**Remove All ACPFs**
1	008	Gym Equipment Room	Pipe Fitting Insulation	Assumed	FRI	6	EA	**See Section 1.10**	**Remove All ACPFs**
1	007	Mechanical Room in Hallway to Gym	Pipe Fitting Insulation	Assumed	FRI	9	EA	**See Section 1.10**	**Remove All ACPFs**
1	026	Dressing B Restroom	Fiberglass Pipe Insulation	Confirmed	FRI	45	LF	**See Section 1.10**	**Material has Asbestos Textured Paint on the Outside and Must be Treated as ACM**
1	026	Dressing B Restroom	Textured Ceiling Paint	Confirmed	FRI	125	SF	**See Section 1.10**	**Material is also on Metal Ductwork, Hangers and Small Copper Piping**
1	027	Dressing C Restroom	Fiberglass Pipe Insulation	Confirmed	FRI	60	LF	**See Section 1.10**	**Material has Asbestos Textured Paint on the Outside and Must be Treated as ACM**
1	027	Dressing C Restroom	Textured Ceiling Paint	Confirmed	FRI	145	SF	**See Section 1.10**	**Material is also on Metal Ductwork, Hangers and Small Copper Piping**
	036	Men's Restroom by Cafeteria	Pipe Fitting Insulation	Assumed	FRI	3	EA	**See Section 1.10**	**associated with the 3 Pipe Risers**
1	036	Men's Restroom by Cafeteria	Textured Ceiling Paint	Confirmed	FRI	170	SF	**See Section 1.10**	**Material is also on Metal Ductwork, Hangers and Small Copper Piping**
1	039A	Main Office Mechanical Room	Pipe Fitting Insulation	Assumed	FRI	20	EA	**See Section 1.10**	**Remove All ACPFs**
1	115	Girl's Restroom near Elevator	Textured Ceiling Paint	Confirmed	FRI	325	SF	**See Section 1.10**	**Material is also on Metal Ductwork, Pipe Hangers and Small Copper Piping**
1	116	Boy's Restroom near Elevator	Textured Ceiling Paint	Confirmed	FRI	325	SF	**See Section 1.10**	**Material is also on Metal Ductwork, Pipe Hangers and Small Copper Piping**
1	116A	Custodial Closet across from Elevator	Fiberglass Pipe Insulation	Confirmed	FRI	8	LF	**See Section 1.10**	**Material has Asbestos Textured Paint on the Outside and Must be Treated as ACM**
1	116A	Custodial Closet across from Elevator	Textured Ceiling Paint	Confirmed	FRI	60	SF	**See Section 1.10**	**Material is also on Fiberglass Pipe Insulation**
1	117	Women's Restroom near Main Lobby	Textured Ceiling Paint	Confirmed	FRI	255	SF	**See Section 1.10**	**Material is also on Metal Ductwork, Pipe Hangers and Small Copper Piping**
1	119	Storage Room across from Classroom 114	Fiberglass Pipe Insulation	Confirmed	FRI	35	LF	**See Section 1.10**	**Material has Asbestos Textured Paint on the Outside and Must be Treated as ACM**
1	119	Storage Room across from Classroom 114	Textured Ceiling Paint	Confirmed	FRI	1510	SF	**See Section 1.10; Remove 80 SF**	**Material is also on Fiberglass Pipe Insulation and Metal Ductwork**

.12 Stated quantities are approximate. By submitting a bid, the AAC signifies they have visited the site, examined conditions that may affect the work, verified quantities of materials, and is informed as to the extent and character of the project. Any discrepancies from stated footages **shall not** be cause for a contract cost adjustment.

.13 The AAC shall furnish all labor, materials, employee training, services, permits, fees, insurance and equipment necessary to carry out the asbestos removal, decontamination operations and disposal in accordance with EPA, OSHA, and all other applicable Federal, State, and local government regulations, and this Specification.

2.00 GENERAL ABATEMENT PROJECT CONDITIONS

.01 The asbestos abatement work areas listed in *Section 1.11* are Major, Minor, Small and Non-Friable Projects, as defined by the Philadelphia Asbestos Control Regulation (ACR) and shall comply with all requirements therein.

a. The AAC shall have a PA licensed Supervisor on site at all times during asbestos abatement activities. The AAC shall not perform any abatement activities, including prep, bag-out, and teardown unless a City of Philadelphia certified API is on site.

b. The AAC shall provide a schedule for all work areas listed. The schedule shall be approved by the Owner and API prior to the commencement of work. The schedule shall include dates and timelines for the completion of all work areas listed in addition to proposed crew sizes. Refer to *Section 20.00 - Work Scope Progress Schedule Template*.

.02 If the AAC seeks a change in the procedures and/or methods for accomplishing a certain asbestos abatement task, the AAC may submit a written request to the Asbestos Project Designer for an alternative method, identifying the procedure for which an alternative is being sought, and the reason for seeking a change. The Asbestos Project Designer shall review the request along with the Owner and render a decision within twenty-four (24) hours of receipt of the written request.

.03 The Owner, API, and AAC shall conduct an inspection for existing damages prior to the commencement of work. All parties shall agree in writing on building conditions and list all damaged materials, furnishings, etc.

.04 AAC access shall be confined to the work areas indicated in this Contract. The Contract may be proceeding concurrently with others in the building. The AAC shall cooperate fully with the other Contractors in expediting the work of all trades and avoid damage to the work of the other Contractors.

.05 The AAC shall be served with a Stop Work Order by the Project Designer and/or API when they are in non-compliance with this Contract Specification and/or other pertinent regulations (Refer to *Section 3.01.a-p*).

a. The project shall remain halted until all matters identified in the Stop Work Order are corrected.

.06 If it is determined that airborne asbestos contamination has occurred "outside the work area" adjacent to an active asbestos abatement work area, the AAC shall contain and clean the affected premises under the direction of the API at no additional cost to the Owner. Causes for "outside the work area" airborne asbestos contamination include, but are not limited to:

- **a.** The loss of a negative pressure differential inside any active asbestos abatement work area;
- **b.** A breech of containment into any active asbestos abatement work area;
- **c.** Improper maintenance of AFDs/HEPA vacuums (Refer to *Section 14.07.a-c.1-2*)
- **d.** Improper worker decontamination procedures;
- **e.** Negligence of the AAC;
- **f.** Any other poor work practices of the AAC.

.07 The Owner reserves the right to require asbestos abatement and associated work is performed at times when the building is unoccupied.

3.00 QUALITY ASSURANCE

.01 All work and disposal shall be performed in compliance with all applicable Federal, State, and local regulations including, but not limited to:

- **a.** 29 CFR 1926.1101 (OSHA);
- **b.** 29 CFR 1926.501 (OSHA);
- **c.** 40 CFR Part 61 (NESHAP);
- **d.** 40 CFR Part 763 (AHERA);
- **e.** 40 CFR 761 **(**PCB Regulations);
- **f.** Resource Conservation and Recovery Act (RCRA);
- **g.** 40 CFR 300-399, EPA Comprehensive Environmental Response Compensation & Liability Act
- **h.** 40 CFR 745, EPA Toxic Substances Control Act; LBP Poisoning Prevention
- **i.** EPA Renovation, Repair, and Painting (RRP) rule under the Toxic Substances Control Act
- **j.** 49 CFR 171-180, DOT Hazardous Material Regulations
- **k.** 42 CFR Part 84 & 30 CFR Part 11 (NIOSH/DHHS respirator standards);
- **l.** the Asbestos Control Regulation (Philadelphia Department of Public Health);
- **m.** Act 194 & Act 161 (Pennsylvania Department of Labor and Industry);
- **n.** Section F-315.8 (R) of the Philadelphia Fire Prevention Code;
- **o.** NADCA ACR 2006 (HVAC System cleaning standards);
- **p.** this Specification.

.02 The AAC has the responsibility of informing themselves fully of the requirements of these agencies and shall satisfy completely this Specification and all referenced regulations. All other applicable federal state and local regulations are incorporated by reference.

.03 The AAC must be a City of Philadelphia Licensed Asbestos Abatement Contractor as well as a Pennsylvania Licensed Asbestos Contractor and employ asbestos workers certified to work in the state of Pennsylvania.

.04 The Philadelphia Federation of Teacher's (PFT) Environmental Consultant shall have the option to conduct side by side final clearance air samples within 24 hours of notice of work area completion with the API. Samples will be collected, analyzed, and addressed, in accordance with all applicable, Federal, State, and local regulations.

- **a.** For Major Projects, samples shall be collected and analyzed via TEM. Results shall be evaluated in accordance with the ACR and AHERA.
- **b.** Acceptable airborne fiber concentrations for individual "outside the work area" air samples shall be < 0.010 f/cc for PCM and < 0.010 s/cc for TEM.

4.00 NOTIFICATIONS

.01 The AAC shall notify all applicable agencies including the EPA, DEP, and Philadelphia Air Management Services, using the appropriate form(s), ten (10) days prior to the commencement of asbestos abatement projects.

.02 The AAC shall submit written notification of the asbestos abatement project schedule to the local police and fire departments ten (10) days prior to beginning the project.

.03 The Owner shall provide a minimum of ten (10) calendar days advance notification of intended asbestos abatement to all occupants. This notice shall conform to the Philadelphia ACR, *Section VI.B.2* and shall remain posted until the re-occupancy standard is met.

5.00 MANDATORY MEETINGS/SUBMITTALS

.01 **Pre-construction meeting** - The AAC shall attend a pre-construction meeting scheduled by the Owner. The AAC shall submit to the Owner the following, if not already submitted:

a. Copies of required notifications, insurance, and bonds.

b. Progress schedule

1. The AAC shall provide a schedule for all work areas listed. The schedule shall be approved by the Owner and API prior to the commencement of work. The schedule shall include the number of active abatement work areas at any given time, proposed crew sizes, and waiting periods following the delivery of the work area to the API for final visual inspections and clearance testing.

c. Work plan delineating phasing and preparation of the work site, including intended locations of water and electrical sources, and the intended storage locations for furniture and educational materials. Description of decontamination sequence, removal methods to be used and waste handling.

d. Supervisor credentials and delineation of responsibility for work site supervision, including name, telephone number and pager number for both the project manager and the on-site supervisor.

e. Worker qualifications, current licenses, fit tests, and medicals. These may be submitted as the crew is selected or changed, however, no workers will be permitted to remain on site without submission and approval of qualifications.

f. Material Safety Data Sheets (MSDS) for the materials to be used on the job:

1. Asbestos abatement encapsulant (only encapsulants approved by the Department of Public Health may be used);

2. Heavy-duty polyethylene tape used for sealing fixed objects, the construction of critical barriers, decontamination chambers and floor/wall containments;

3. Paintable caulk and expansion foam intended to be used between building materials that butt against the existing concrete ceiling;

g. Name of Waste Hauler(s) and disposal site with EPA/DEP identification numbers;

h. Name of the firm or competent person performing the AACs OSHA required personnel monitoring and the laboratories PAT Certification and Philadelphia Laboratory Certification;

i. A detailed *written* description of emergency procedures to be followed in the event of injury or fire. This submittal must include execution procedures, source of emergency assistance (including telephone numbers), and access procedures to be used by emergency personnel.

.02 **Progress meetings** - Meetings shall be held at the job site at the discretion of the Owner/API to discuss the progress of the work, phasing and other Contractor coordination, work schedule, and any conflicts or problems. The representative of the AAC must have authorization to speak for and make commitments for the AAC.

6.00 OWNER'S RESPONSIBILITIES

.01 The Owner shall employ the services of an Independent Asbestos Project Inspector (API) who is licensed by the City of Philadelphia to perform asbestos project inspection as defined by the Asbestos Control Regulation (ACR).

.02 The Owner shall ensure the work areas will be unoccupied prior to abatement activity commencing.

.03 The Owner shall make water and electricity available at the site at no cost to the AAC. The Owner shall notify the AAC of scheduled system shut downs to ensure no interruptions to the project's engineering controls.

.04 The Owner shall be responsible to remove all computers, monitors, printers, all other computer related components and/or items deemed too valuable or sensitive to be handled by the AAC in all scheduled abatement work areas listed.

7.00 ASBESTOS ABATEMENT CONTRACTOR'S (AAC) RESPONSIBILITIES

.01 The AAC is responsible for visiting the site and verifying quantities of asbestos containing textured ceiling paint, repainting, locations of utilities, and waste out routes *prior to* submitting a bid.

a. No work shall be performed if the AAC believes the work to be performed is a change and/or addition to the work scope outlined in these construction documents without first obtaining a Notice To Proceed (NTP) from the Owner.

1. The Owner shall not be responsible for compensating the AAC for work performed that is considered a change and/or addition to the construction documents without the issuance of a NTP and/or a written work directive.

.02 The AAC shall provide a schedule for all work areas listed with all abatement and repainting work completed within the required eight (8) week time period. Project phasing, start and completion dates are subject to change at the discretion of the Owner.

.03 The AAC shall provide all labor, tools, materials and scaffold necessary to complete the project safely, in a timely fashion, and in accordance with the specification and all applicable regulations.

a. All tools, ladders, equipment, etc. shall arrive at the project site in good condition and free of any visual residual asbestos contamination.

.04 The AAC shall be responsible for the removal of all furniture and educational materials in all scheduled abatement work areas listed.

a. All movable items remaining in the scheduled work areas at the time of the mobilization shall be removed by the AAC. All furniture and educational materials shall be labeled with the Room Numbers or Areas in which they originated from prior to relocation.

1. The AAC shall coordinate with the Owner to establish temporary storage locations for movable items removed from the abatement work areas.

2. The Owner shall be responsible to remove all computers, monitors, printers, all other computer related components and/or items deemed too valuable or sensitive to be handled by the AAC.

b. Returning items back to the work area rooms shall be the responsibility of the AAC.

.05 The AAC shall supply, at their own expense, all construction materials, supplies, and all electrical, water, and waste connections, tie-ins, or extensions. Temporary service lines shall be installed to prevent tripping, slipping or falling. The AAC must utilize a licensed electrician to provide a separate temporary electric panel, receptacles, and lights, <u>all with ground fault interruption and current-overload protection</u>. All temporary electrical set-ups shall be in accordance with OSHA regulation and NEMA standards.

a. The AAC shall utilize the licensed electrician to perform the connection of the AACs temporary electrical supply panel to the building Owners' electrical supply source.

1. The temporary electrical panel and the building's electrical supply source shall be enclosed, concealing all potential contact points in order to avoid electrocution hazard and potential arcing to nearby or passing conductor materials.

2. Installation of the temporary electric panel shall occur within the ten (10) day waiting period prior to the start of this asbestos abatement project, after submission of the Asbestos Abatement Notification to the EPA, DEP, and Philadelphia Air Management Services.

b. All water connections utilized throughout the performance of this asbestos abatement project shall be disconnected at the source before leaving the site AFTER ALL shifts, and all hoses shall be drained to prevent unexpected water leaks after the AAC and API are offsite.

c. When temporary service lines are no longer required, they shall be removed by the AACs licensed electrician.

d. Any parts of the permanent service lines, grounds and buildings, disturbed or damaged by the installation and/or removal of the temporary service lines, shall be restored to their original condition by the AAC as approved by the Owner.

.06 The AAC shall maintain current copies of certifications for workers on-site and shall keep copies of all pertinent specifications and regulations on-site. The API retains the right to prohibit work by employees without current certifications.

.07 The AAC shall maintain a detailed sign-in/sign-out log, which must be filled out by every person entering the work area. All entries shall be complete and legible.

.08 The AAC shall be responsible for security of the work site, fire/smoke detection, and maintenance of existing utility systems as it relates to the performance of this project.

.09 The AAC shall provide fire protection in accordance with all State and Local codes. This includes, but is not limited to:

a. Providing a written fire prevention and emergency action plan.

b. Providing multi-purpose ABC rated fire extinguishers, insuring that on-site personnel are aware of the location and proper use of all fire extinguishers and other safety equipment.

c. Performing a fire watch of the overall work area.

d. Designating a safety coordinator to implement the above actions. The AACs safety coordinator shall be responsible for:

1. Fire/life safety entries shall be entered into the AACs log daily and shall be submitted with the AAC's final report.

2. Daily entries shall include names, dates, duration, problems & corrective actions taken by the fire watch - must be signed by the safety coordinator.

.10 The AAC shall submit to the API the number of AFDs projected to obtain a negative pressure differential sufficient to provide a minimum of four (4) air changes of the work area per hour for all Major Projects along with the calculations used to determine this. The AAC shall install a manometer to confirm the differential, which should read minimum of -0.02 inches of water column.

a. Manometer(s) shall be installed by the AAC around the work area before the start of the performance of asbestos abatement activities until the receipt of acceptable clearance air sample results to record and verify adequate negative pressure differential is maintained throughout the project.

.11 Assure protection of AFD exhaust ducts from damage during asbestos abatement activities.

.12 The AAC Supervisor and API shall perform a visual inspection of the entire floor immediately below all active abatement work areas at the end of each 8-hour shift to verify that no water leaks, fallen material, or any other type of damage has occurred.

a. If water leaks, fallen material, or any other type of damage has occurred:
- **1.** all asbestos abatement work shall be halted;
- **2.** the API shall immediately notify the Project Manager and Owner for direction and input;
- **3.** the source of the leak or damage shall be determined;
- **4.** the containment breech issue shall be rectified before any asbestos abatement work will be permitted to continue.

.13 As required by the Asbestos Control Regulation, the AAC shall provide a minimum 18" square transparent viewing window consisting of shatterproof material greater than or equal to 1/8" in thickness located at a height appropriate for accessible viewing and in such a manner as to maximize visibility of the abatement work area.

8.00 ASBESTOS PROJECT INSPECTOR'S (API) RESPONSIBILITIES

.01 The API shall act as the Owner's representative on the work site.

.02 The API shall be responsible to see that required information and notifications are posted and are accessible for review by all concerned parties.

.03 The API shall keep a daily log documenting the progress and performance of the AAC over the course of the project.

.04 The API shall perform continuous inspections to monitor the performance of the AAC and to assure and document compliance with this Specification and applicable regulations. Inspections shall be performed during all phases of the project including verifying compliance with standard operating procedures, checking engineering controls, personal protection and decontamination systems, and handling and disposition of the resulting asbestos waste materials.

.05 The API shall be responsible for performing all project sampling and analysis required by the Philadelphia ACR and AHERA.

a. The API shall also perform representative personal air sampling on themselves during the project as defined within OSHA 1926.1101 and 1910.1001. Personal air samples shall be collected to establish a time weighted average (TWA) and a short-term excursion limit (STEL). Such air samples shall be collected within the breathing zone and used to:

1. initially determine the level of respiratory protection;
2. subsequently to assure that such protections remain adequate throughout the project.

.06 The API shall routinely perform smoke testing at all critical barriers throughout the performance of asbestos abatement activities until the receipt of acceptable clearance air sample results to verify the integrity of critical barriers and presence of an adequate negative pressure differential.

.07 In addition to manometers required by the AAC, manometer(s) may be installed by the API around the work area before the start of the performance of asbestos abatement activities until the receipt of acceptable clearance air sample results to record and verify adequate negative pressure differential is maintained throughout the project.

.08 The API shall notify the Owner and Air Management Services of the City of Philadelphia if the AAC is found to be in non-compliance with the technical specifications or those Municipal, State or Federal regulations applicable to this project.

a. The API shall serve written notice to the AAC for all AAC non-compliance actions.

.09 The AAC Supervisor and API shall perform a visual inspection of the entire floor immediately below all active abatement work areas at the end of each 8-hour shift to verify that no water leaks, fallen material, or any other type of damage has occurred.

a. If water leaks, fallen material, or any other type of damage has occurred:

1. all asbestos abatement work shall be halted;

2. the API shall immediately notify the Project Manager and Owner for direction and input;

3. the source of the leak or damage shall be determined;

4. the containment breech issue shall be rectified before any asbestos abatement work will be permitted to continue.

9.00 AIR MONITORING BY THE OWNER

.01 The Owner shall employ the services of an API who is in licensed by the City of Philadelphia to perform air monitoring and quality assurance of the AACs work practices.

.02 The API shall collect pre-test and project air samples in accordance with the Philadelphia Asbestos Control Regulations and AHERA. Project air monitoring during abatement activities shall include samples inside and outside the work area to ensure airborne fiber concentrations remain at acceptable levels. Acceptable airborne fiber concentrations outside the work area shall be < 0.010 f/cc for PCM and < 0.010 s/cc for TEM. The API may also perform discretionary random personnel monitoring. Pre-test and project samples shall be analyzed via Phase Contrast Microscopy (PCM), NIOSH Method 7400.

a. Transmission Electron Microscopy (TEM) sampling may be performed in locations outside the containment work areas at the owner/consultant's discretion throughout the abatement project. Results shall be evaluated in accordance with AHERA and/or the ACR.

.03 The API shall provide clearance air sampling:

a. For Major Projects, five (5) clearance samples shall be collected and analyzed via TEM. Results shall be evaluated in accordance with the ACR.

b. For Minor Projects, five (5) clearance samples shall be collected and analyzed via Phase Contrast Microscopy (PCM). Results shall be evaluated in accordance with the ACR.

c. For Non-Friable Category II Projects, no clearance sampling shall be required following the completion of non-friable work provided that the adjacent clean area samples collected during the non-friable abatement < 0.010 f/cc via PCM. If clean area samples exceeded 0.010 f/cc during the non-friable abatement tasks, five (5) clearance samples shall be collected and analyzed via PCM.

d. Clearance air sampling shall be performed using aggressive techniques. Sampling procedures and clearance criteria shall follow all requirements of the Philadelphia ACR and AHERA.

.04 The Owner shall be responsible for costs incurred for the initial required laboratory work. Any subsequent testing required due to limits exceeded during abatement or any clearance sampling shall be paid by the AAC. These costs include both labor and analysis.

a. The API shall invoice the Owner, on a separate invoice, for all costs relating to labor and analyses resulting from additional testing required due to limits exceeded during abatement or failure of first round clearance sampling.

b. The AACs contract amount shall be reduced by an amount equal to the costs for labor and analyses resulting from additional testing required due to limits exceeded during abatement or failure of first round clearance sampling.

c. The Owner shall retain possession and ownership of all air sampling data and documentation.

10.00 AIR MONITORING BY THE ASBESTOS ABATEMENT CONTRACTOR (AAC)

.01 The AAC shall perform representative personal air sampling as defined within OSHA 1926.1101 and 1910.1001. Personal air samples shall be collected to establish a time weighted average (TWA) and a short-term excursion limit (STEL). Such air samples shall be collected within the breathing zone and used to:

a. initially determine the level of respiratory protection;
b. subsequently to assure that such protections remain adequate throughout the project.

.02 Sampling strategy and protocols shall be determined by a competent sampling professional according to NIOSH 7400 method. The AAC shall have a competent person collect personal air samples.

.03 Personal air sample results must be posted within 24 hours of sample collection.

.04 AAC personnel shall comply with the personal air sampling of the competent person and shall not interfere with or alter sampling protocol.

11.00 SCAFFOLDING/WALKWAYS/HOISTS/LADDERS

.01 The AAC shall use appropriate ladders, scaffolds, lifts, and/or hoists to provide safe access for the removal of asbestos containing materials. Personnel safety lines and harnesses are required where appropriate.

a. Fall protection equipment and guidelines shall comply with OSHA Regulation Standards *29 CFR 1926.501*.

.02 All scaffolding shall be of sound condition and assembled per OSHA requirements on a level, secure base. Scaffolding shall not be overloaded. The scaffolding shall be secured or tied into the building whenever possible. Guardrails consisting of top and mid-rails and toe boards shall always be installed. A post set-up inspection and daily inspections shall be conducted. Scaffold work platforms shall comply with OSHA Regulation Standards *29 CFR 1926.451*.

.03 All stairs, platforms, catwalks and walking surfaces shall be kept, as is practical, free from obstructions, accumulation of water, and tripping hazards, and where elevated, be protected by OSHA specified top-rails, mid-rails, and toe boards.

.04 Ladders of sufficient quantity and of suitable length or height shall be provided. Only electrically non-conductive materials, such as wood or fiberglass, shall be used. Ladders shall be kept in good repair and inspected regularly. Personnel shall be instructed in the proper use of ladders. No structural alterations shall be made to any ladder.

.05 All ladders, scaffolds, lifts, and/or hoists shall arrive at the project site in good condition and free of any visual residual asbestos contamination.

12.00 RESPIRATORY AND PERSONAL PROTECTIVE EQUIPMENT

.01 The AAC shall provide approved respirators and protective clothing to all workers. Authorized representatives of the Owner, State or other Government entity who arrive to inspect the work site shall be permitted access to the work area provided the visitor arrives with their own approved respirator. Protective clothing shall be provided to these visitors by the AAC.

a. The AAC shall provide approved respirators to all visitors that can provide proof that a Pulmonary Function Test, Medical exam and chest x-ray has been performed on the visitor, **and** that a doctor has performed a pulmonary evaluation of the visitor indicating that the visitor has been deemed able to safely wear a respirator.

.02 The AAC shall require that each person entering the work area shall wear an approved respirator and protective clothing. There shall be no exceptions to this rule.

.03 Respiratory protection shall be in compliance with:

a. OSHA regulations 29 CFR 1910.1001, 1926.1101, and 1910.134;
b. ANSI Z88.2-1980;
c. NIOSH 30 CFR Part 11 for type B and C respiratory protection;
d. NIOSH and DHHS 42 CFR Part 84 for non-powered, air-purifying particulate-filter respirators.

.04 At a minimum, the respiratory protection at the start of the project shall be Type B (PAPR). After the initial exposure assessment establishes the expected airborne asbestos concentrations during removal, the respiratory protection shall be:

a. .01-1.0 f/cc - Dual Cartridge, Air Purifying respirator, Type A.
b. 1.0-2.5 f/cc - Powered Air Purifying Respirators - Type B (PAPR).
c. >2.5 f/cc- - Supplied Air with Constant Flow - Type C.

.05 All persons performing asbestos abatement work requiring respiratory protection (including Type B) shall be clean shaven and have an unobstructed face mask seal. Only mustaches that do not exceed the corners of the upper lip and sideburns that do not extend below the earlobes are permitted.

.06 For containments with an attached three (3) stage decontamination unit, asbestos workers shall wear a single disposable suit including hood and footwear. Before exiting the work area, the workers shall remove their respirator filters and disposable suit in the shower after appropriate wetting. These shall be disposed of as asbestos waste.

.07 For containments utilizing a remote decontamination unit, asbestos workers shall wear two (2) disposable Tyvec-type suits. Before exiting the work area, the worker shall remove both suits and change into a clean disposable suit in the one-stage chamber. The worker shall immediately proceed to the remote centralized, decontamination chamber, equipped with a shower and clean room. Dispose of clean suit and respirator cartridges in the centralized decontamination chamber.

a. The use of a remote decontamination FOR MAJOR PROJECTS requires the submission of an Alternative Method Request to the City of Philadelphia's Air Management Services, Asbestos Division, and receipt of approval by that office.

13.00 DECONTAMINATION FACILITIES

.01 For Major Projects described in this Specification, the AAC shall construct and place a three-stage decontamination unit at the entrance to the work area. For Minor Projects, a one-stage decontamination unit shall be constructed and placed at the entrance to the work area, with a two-stage centralized decontamination unit/shower constructed prior to work in any Minor Project areas. Decontamination units shall have a sturdy frame comprised of studs or equivalent.

.02 Decontamination units shall be constructed as described below:

a. Three-stage unit (clean room, shower room, equipment room):

1. Interior of the chamber shall be covered with two layers of six (6) mil polyethylene with triple flap airlocks installed between each chamber;
2. Shall have a sturdy frame comprised of studs and ⅜ "plywood.
3. Entrance shall be equipped with a secure, lockable plywood door with louver system;
4. Shall have danger signs posted at the entrance;
5. Shall be provided with hot and cold water for use in the shower room;
6. Shower water shall be added to waste materials or pumped through a five (5) micron filter element prior to discharging it to the sanitary sewer or floor drains.

b. One-stage unit:

1. Interior of the chamber shall be covered with two layers of six (6) mil polyethylene and triple flap airlocks shall be placed at entrance and exit;
2. Shall have a sturdy frame comprised of studs or an approved equivalent.
3. Shall have danger signs posted at the entrance;
4. Workers shall wear double suits while in the work area. Prior to exiting a contaminated work area, the worker shall change into a clean Tyvek suit prior to proceeding to the centralized, two stage, decontamination chamber, equipped with a shower, provided with hot and cold water, and a clean room. Dispose of suit and respirator cartridges in the centralized decontamination chamber.
5. Shall be accompanied with a two-stage remote decontamination unit that provides hot and cold water for use in the shower room;
6. Shower water shall be added to waste materials or pumped through a five (5) micron filter element prior to discharging it to the sanitary sewer or floor drains.

c. The AAC shall provide one decontamination chamber for every eight (8) workers.

.03 The use of a remote decontamination unit for MAJOR PROJECTS requires the submission of an Alternative Method Request to the City of Philadelphia's Air Management Services, Asbestos Division, and receipt of approval by that office.

.04 Asbestos abatement shall not commence until the AAC can demonstrate to the API that the shower unit is fully operational.

14.00 GENERAL PREPARATION FOR ALL ASBESTOS ABATEMENT ACTIVITIES

.01 The AAC shall confine their apparatus, the storage of materials, tools, supplies and the activities of their workman to the limits established by the Owner and local ordinances.

.02 The AAC shall assure that building exits are not obstructed and that appropriate safety barriers are established to prevent access by unauthorized persons. The works areas are to be kept neat, clean and safe.

.03 The AAC shall post OSHA specified, asbestos specific danger signs at the entrance to each work area. Such signs shall also be posted when applicable to decontamination chambers, bagout chambers, critical and separation barriers, and waste storage containers.

.04 All building occupants shall be removed from the work area floors during this project.

.05 All necessary building occupants remaining in the building during the asbestos abatement project shall be denied access to the asbestos abatement work area(s) by isolation barriers and/or locked doors.

.06 All moveable objects shall be removed from the work area. Movable objects shall be wet wiped & HEPA vacuumed prior to their relocation to a clean area.

.07 AFDs and HEPA vacuums require different maintenance schedules and attention depending on the model. Check the user's manual to determine and comply with the maintenance, filer replacement, and cleaning requirements of each AFD and HEPA vacuum being used.

- **a.** At no time shall an AFD be dismantled and the inner HEPA filter replaced while onsite at the John B. Kelly Elementary School. Removal and replacement of HEPA filters shall be performed offsite.
- **b.** At no time shall a HEPA vacuum be opened for cleaning/emptying outside an active asbestos abatement work area of the John B. Kelly Elementary School.
- **c.** Cleaning/emptying a HEPA vacuum shall be performed INSIDE an active asbestos abatement work area with a minimum negative pressure differential of -0.02 inches of water column.
  - **1.** Cleaning/emptying of HEPA vacuums shall be performed directly beside an operating AFD exhausting to the exterior.
  - **2.** HEPA vacuums shall be cleaned/emptied only during gross removal of asbestos and/or equipment demolition. No HEPA vacuums shall be cleaned/emptied, or opened for any other reason, during final cleaning and/or encapsulation.

.08 Assure HVAC systems associated with, or that pass through any abatement work areas are shut down. Provide appropriate lock and tag out devices at the shut off point of the fan.

.09 De-energize the work areas and all conduit running through the work areas.

a. Appropriate lock and tag out devices shall be installed at the breakers.

b. The AAC shall provide a temporary electric panel with ground fault interruption.

c. The AAC shall supply sufficient temporary lighting to illuminate the work areas during asbestos abatement. All active work areas shall be lighted to not less than the minimum illumination intensities listed in OSHA Regulation 29 CFR 1926.56(a), Table D-3 for Indoors: warehouses, corridors, hallways, and exit ways (e.g. - 5-foot candles).

.10 Only approved noncombustible or flame-resistant materials shall be used for work area preparation. Polyethylene sheeting shall be certified to conform to NFPA 701.

.11 The dropping, lowering, transporting or otherwise moving any open or packaged waste through any shaft during this project is strictly prohibited. When the asbestos abatement work area IS a shaft, asbestos waste must be packaged and lowered in a controlled fashion to the base of the shaft. No dropping of waste in any shaft shall be permitted at any time.

15.00 PREPARATION & ABATEMENT – REMOVAL OF ASBESTOS CONTAINING TEXTURED PAINT

.01 This section is intended to specify the acceptable methods for the removal of asbestos containing textured paint as listed in the table in *Section 1.11*.

a. The removal of asbestos-containing textured paint applied to concrete ceilings shall also be removed from the following components within the specified work areas, including, but not limited to:

1. upper portions of CMU block walls;
2. fiberglass pipe insulation
(remove and discard fiberglass pipe insulation in its entirety);
3. data cable trays attached to the upper portions of walls and ceilings;
4. metal ductwork along the ceilings;
5. duct and pipe hangers attached to the upper portions of walls and ceilings;
6. pipe saddles attached to the upper portions of walls and ceilings;
7. light fixtures attached to ceilings;
8. copper tubing attached to the upper portions of walls and ceilings;
9. electrical conduit attached to the upper portions of walls and ceilings;
10. any other Architectural/Mechanical/Electrical/Plumbing component along the upper portions of CMU block walls and concrete ceilings with asbestos containing textured ceiling paint applied.

b. Care shall be taken not to damage building materials and associated Architectural, Mechanical, Electrical, Plumbing components during the removal of textured paint.

c. Damage to the walls, ceilings and/or any other Architectural, Mechanical, Electrical, Plumbing component caused by the AAC shall be repaired by the AAC.

.02 All pipe insulation of any kind, including fiberglass pipe insulation (FGPI), neoprene, cork, cellular glass, etc. located throughout the specified work areas shall be removed as part of this project.

a. Once containments and air filtration devices (AFDs) are in place but prior to start of asbestos abatement, all non-asbestos pipe insulation may be removed and disposed of as construction debris, under 'dust control' conditions. Once asbestos abatement commences, all non-asbestos containing materials present in the work area shall be removed and disposed of as asbestos contaminated waste.

.03 The AAC shall assure that the tasks specified in *Sections 14.01 – 14.11* have been completed and/or are being implemented. The exits from the building shall not obstructed. The work areas are to be kept neat, clean, and safe.

.04 Only approved noncombustible or flame-resistant materials shall be used in the construction of temporary enclosures. Polyethylene sheeting shall be certified to conform to NFPA 701.

.05 Post OSHA specified, asbestos specific danger signs at the entrance to the work area. Such signs shall also be posted when applicable to decons, bagout chambers, critical and separation barriers, and waste storage containers.

.06 Construct isolation barriers with lockable doors to completely isolate the abatement work areas from other areas of the building.

a. Isolation barriers shall be eight (8) feet high and shall be constructed of minimum ⅜" fire-rated plywood supported by 2'x'3' stud framing, or equivalent, placed on sixteen-inch (16") centerlines. Appropriate footings and bracings shall be installed to provide proper support.

.07 Unit-ventilators and/or HVAC systems shall be shut down and de-energized.

.08 The AACs licensed electrician shall de-energize the work area and all conduit running through the work area. The AACs licensed electrician shall de-energize all light fixtures throughout the work area.

a. Appropriate lock and tag out devices shall be installed at the circuit breakers.

.09 The AAC shall provide a temporary electric panel with ground fault interruption outside the work area containments. All electrical power shall be brought into the work areas via ground fault interrupters (GFIs).

a. The AAC shall utilize a licensed electrician to perform the connection of the AACs temporary electrical supply panel to the building Owners' electrical supply source.
1. The temporary electrical panel and the building's electrical supply source shall be enclosed, concealing all potential contact points in order to avoid electrocution hazard and potential arcing to nearby or passing conductor materials.
2. Installation of the temporary electric panel shall occur within the ten (10) day waiting period prior to the start of this asbestos abatement project, after submission of the Asbestos Abatement Notification to the EPA, DEP, and Philadelphia Air Management Services.

.10 The AAC shall supply sufficient temporary lighting to illuminate the work area during asbestos abatement.

a. All active work areas shall be lighted to not less than the minimum illumination intensities listed in OSHA Regulation 29 CFR 1926.56(a), Table D-3 for Indoors: warehouses, corridors, hallways, and exit ways (e.g. - 5-foot candles).

.11 Using wet-wipe and HEPA-vacuum techniques, pre-clean all movable objects and relocate to a site outside the work area. All fixed, unmovable objects shall be pre-cleaned and sealed with one (1) layer of six-mil polyethylene sheeting.

a. Remove all items (furniture, tools, supplies, equipment, etc,) after properly pre-cleaning these items.
b. All furniture and educational materials shall be labeled with the Room Numbers or Areas in which they originated from prior to relocation.
1. The AAC shall coordinate with the Owner to establish temporary storage locations for movable items removed from the abatement work areas.

.12 Install critical barriers consisting of two (2) separate independent layers of six-(6) mil polyethylene over all windows, louvers, doors, and other critical openings inside the work area. Small cracks, penetrations, gaps, etc. shall be sealed with expansion foam.

a. Critical 'containment' barriers shall be erected to cover perimeter work area openings, greater than six (6) feet in width, utilizing two (2) separate identifiable layers of six-mil polyethylene. These areas shall include the opening extending from the top of the eight (8) foot high isolation barrier to the ceiling deck. This wall sheeting shall be supported by studs or equivalent. Note: these are considered critical barriers, and application of two additional layers of wall coverings shall be required.

b. Areas where critical barriers are to be installed shall first be pre-cleaned via wet wipe and HEPA vacuum techniques.

.13 Construct a three-stage decontamination unit at the work area entrance. Exact decontamination unit placements shall be at the discretion of the AAC with approval from the on-site API. Refer to *Section 13.00 - Decontamination Facilities*.

.14 A two-stage bagout chamber shall also be constructed, if practical. This chamber shall be of similar construction to decontamination unit. The chamber shall be sealed when not in active use. The decontamination chamber shall be sealed when the bagout chamber is in use.

.15 Install floor and wall coverings utilizing two (2) separate independent layers of six (6) mil polyethylene sheeting throughout the work area containment.

a. Polyethylene wall and floor sheeting shall be installed in such a manner as to cause minimal damage to underlying surfaces. The AAC shall ensure proper adhesion of the sheeting to problem areas, such as walls with peeling paint.

b. Wall coverings shall extend from the ceiling deck to floor level and overlap the floor sheeting (floor coverings shall extend twelve inches (12") up behind the wall coverings). All seams shall be staggered as to overlap a minimum of twelve inches and be sealed with polyethylene tape.

.16 Approved high quality HEPA equipped air filtration devices (AFDs) shall be placed so as to develop and hold a negative differential air pressure. Each AFD shall be equipped with a magnehelic gauge or manometer to measure pressure drop across the filters, indicating overload and a need to change filters. An automatic shutdown system shall be provided in the event of an improper filter fit, a rupture in the HEPA filter, or a blocked air discharge. AFD exhaust shall be vented outside of the building.

a. The negative differential air pressure shall be sufficient to provide a minimum of four (4) air changes of the work area per hour. The AAC shall submit to the API the number of AFDs projected to obtain this differential and the calculations used to determine this. The AAC shall install a manometer to confirm the differential, which should read minimum of -0.02 inches of water column. Due to the large size of the Pod Classroom combined work areas, more than one manometer may be required.

b. Negative differential air pressure shall be continuously maintained, 24 hours a day, in all enclosed work areas from the time the isolation barrier is first established until final clearance air sampling is completed, and the AAC is released by the API.

.17 Upon completion of work area preparation and approval by the on-site API, commence removal of the asbestos containing textured ceiling paint.

a. Removal of the asbestos containing textured ceiling paint shall be initiated only after the material has been treated with a solution of water and wetting agent. This wetting shall be repeated at such intervals as to prevent the asbestos from drying out. Removal shall be performed in a manner, which minimizes the release of asbestos fibers.

1. No standing water shall be tolerated inside of the work area. Standing water would have the potential of leaking to spaces below the work area. The AAC shall designate a worker to constantly monitor the work area and vacuum or mop up any standing water resulting from the pre-wetting or air misting procedures.

2. All wastewater generated in the decontamination chamber shower shall be retrieved and added to packaged asbestos waste materials or pumped through a five (5) micron filter element prior to discharging it to the sanitary sewer or floor drains.

3. All wastewater generated in the abatement work area shall be retrieved and added to packaged asbestos waste materials and/or placed in plastic lined leak-tight drums for disposal in accordance with VI.C.7 of the Asbestos Control Regulation.

b. The removal of the asbestos containing textured ceiling paint will require scraping the material down to the concrete deck. Care must be taken to thoroughly remove all asbestos containing material, as well as to preserve the integrity of the non-asbestos concrete substrate.

c. Asbestos-containing textured ceiling paint applied to the upper portions of walls, pipework, ductwork, metal conduit, fiberglass pipe insulation, and any other component shall be removed during the removal of asbestos-containing textured ceiling paint. Fiberglass with textured paint applied shall be removed in its entirety.

.18 All asbestos containing textured paint shall be bagged as removal occurs. No accumulations of asbestos containing material shall be permitted to remain in the work area. Asbestos containing textured paint removed at a height greater than ten (10) feet shall be bagged at that time or lowered to the ground in a controlled manner and then bagged. No dropping of the asbestos containing textured ceiling paint at a height greater than ten (10) feet shall be permitted.

.19 Upon completing removal of all asbestos containing textured paint, perform final cleaning of all surfaces and the work area. Any residues shall be removed using a stiff nylon brush or scraper. Surfaces shall then be HEPA vacuumed and/or wet wiped to remove any visible debris.

.20 Remove the top layer of polyethylene sheeting and dispose as asbestos waste.

.21 The AAC shall again, clean all surfaces in the work area, including polyethylene sheeting, via wet-wipe and HEPA-vacuum techniques.

.22 Upon completion of cleaning activities, the API shall conduct a detailed visual inspection prior to the performance of caulking, encapsulation and repainting. The API shall approve the area for caulking, encapsulation and repainting when no visible dust or debris is evident on any surfaces.

.23 Utilize paintable caulk or expansion foam between the following building materials that butt against the existing concrete ceiling. The sealant(s) are intended to completely encapsulate any remaining asbestos containing textured paint that could not be accessed for removal.

a. Seal between electrical conduit lengths that butt against the concrete ceilings;
b. Seal all seams between the concrete ceilings and sheetrock walls, sheetrock soffits, concrete block walls, metal walls, window valances, wall cabinets, etc. that have been installed prior to and subsequent to the application of the asbestos-containing textured ceiling paint.

.24 Upon approval by the on-site API, encapsulate all surfaces in the work area and the polyethylene sheeting used in work area preparation. The sealant/encapsulant shall be tinted to provide a visual confirmation of uniformity and completeness of application.

a. The AAC must deliver the encapsulant in the manufacturer's original sealed and labeled containers and store encapsulant in compliance with manufacturer's printed instructions. A copy of manufacturer's printed instructions shall be available on site at all times.
b. The AAC shall encapsulate the work area with an encapsulant whose manufacturer's instructions indicate that the encapsulant is approved for use on the intended surfaces following asbestos abatement tasks.
c. Encapsulation shall not be performed with any packaged ACM or objectionable equipment remaining in the work area.

.25 The API shall inspect the sealant/encapsulant to confirm adequate and proper application. After the encapsulant has dried, the AAC shall remove the last layer of polyethylene floor and wall sheeting, leaving only the critical and containment barriers.

.26 The API shall conduct a detailed final inspection to ensure that no visible dust or debris remains on any surfaces. If any suspect or objectionable material is evident, the AAC shall clean the material and sufficient surrounding area to the satisfaction of the API, via wet-wipe and HEPA-vacuum techniques.

.27 Following an acceptable final inspection, the API shall perform clearance air sampling. Refer to *Section 9.00 - Air Monitoring by the Owner*.

a. The AAC shall include in his progress schedule a 24-hour waiting period, following the delivery of the work area to the API for clearance testing. The waiting period shall be allotted to provide an opportunity for the Philadelphia Federation of Teacher's (PFT) environmental representative to schedule and conduct side by side final clearance testing with the API.

1. Samples shall be collected and analyzed via TEM. Results shall be evaluated in accordance with the ACR and AHERA.

2. Acceptable airborne fiber concentrations for individual "outside the work area" air samples shall be < 0.010 f/cc for PCM and < 0.010 s/cc for TEM.

b. Asbestos abatement and/or construction activities will not be permitted beside or near another containment receiving final clearance air sampling. All Contractors shall perform construction-related activities in separate sections of the building during the collection of final clearance air samples.

.28 If the results of clearance samples are unacceptable according to Philadelphia ACR and AHERA requirements, the AAC shall re-clean the work area via wet-wipe and HEPA-vacuum techniques. Following an acceptable inspection, the API shall again perform clearance sampling. This sequence shall be repeated until receipt of acceptable air sample results according to Philadelphia ACR and AHERA requirements.

.29 Upon receipt of acceptable final visual inspections and acceptable air sample clearance results, carefully dismantle materials used in the work area containment.

a. All removed ACM and all other materials used in the work area containment shall be disposed of as asbestos waste in accordance with *Section 19.03 - ACM Waste Disposal*.

16.00 – PREPARATION & ABATEMENT - PIPE FITTING INSULATION - GLOVE-BAG METHOD

.01 This section is intended to specify the acceptable friable methods for the removal of pipe/pipe fitting insulation as listed in *Section 1.11*.

a. A minimum of two (2) workers are required to perform pipe/pipe fitting insulation removal using glove-bag procedures.

b. pipe/pipe fitting insulation present inside wall and/or floor/ceiling pipe penetrations within any given work area shall be removed as part of this project.

.02 All building occupants shall be removed from the work area floors during the performance of the removal project, unless access to the work area is restricted by an isolation barrier or lockable doors.

a. If required, wooden isolation barriers shall be erected to completely isolate the work area from any occupied areas of the building.

1. Isolation barriers shall be eight (8) feet high and shall be constructed of minimum ⅜" fire-rated plywood supported by 2'x'3' stud framing, or equivalent, placed on sixteen-inch (16") centerlines. Appropriate footings and bracings shall be installed to provide proper support.

.03 Approved high quality HEPA equipped air filtration devices (AFDs) shall be placed so as to develop and hold a negative differential air pressure. Each AFD shall be equipped with a magnehelic gauge or manometer to measure pressure drop across the filters, indicating overload and a need to change filters. An automatic shutdown system shall be provided in the event of improper filter fit, a rupture in the HEPA filter, or a blocked air discharge.

.04 For Major Project work areas, construct a three-stage decontamination unit at the work area entrance. For Minor Project work areas, construct and attach a one-stage decontamination unit at the work area entrance. A remote two-stage decontamination unit shall also be constructed at an appropriate location. Exact decontamination unit placements shall be at the discretion of the AAC with approval from the on-site API.

a. The use of a remote decontamination unit for Major Projects requires the submission of an Alternative Method Request to the City of Philadelphia's Air Management Services, Asbestos Division, and receipt of approval by that office.

.05 Pre-clean the floor and horizontal surfaces via wet wipe and HEPA vacuum techniques.

a. All fixed objects shall be wet wiped and sealed with one (1) layer of six (6) mil polyethylene.

.06 Install critical barriers consisting of one (1) layer of six-mil polyethylene over all windows, doors, openings between walls and ceilings, and any other critical openings inside the work area such that the work area is isolated from the rest of the building.

a. Ensure all electrical panels, control panels, and control boxes are protected with watertight critical barriers consisting of one (1) layer of six-mil polyethylene.

b. Areas where critical barriers are to be installed shall first be pre-cleaned via wet wipe and HEPA vacuum techniques.

.07 Should the AAC chose to limit the size of each work area to the immediate spaces adjacent to the pipe/pipe fitting insulation to be removed, the AAC may construct a tent containment as specified below. If the AAC chooses not to utilize tent containments to limit the size of the work areas, the entire room/area containing the pipe/pipe fitting insulation to be removed must be considered part of the work area, and is subject to pre-cleaning, polyethylene protective sheeting for all non-movable items, decontamination, and final clearance testing as specified in other paragraphs in this Section.

- **a.** Erect wall coverings, completely enclosing and isolating the pipe/pipe fitting insulation removal locations using one (1) layer of six (6) mil polyethylene sheeting.
- **b.** Tape one (1) layer of six (6) mil polyethylene sheeting to the floors, extending at least five (5) feet from the pipe/pipe fitting insulation to be removed.
- **c.** All fixed, unmovable objects to be enclosed in the tent containment shall be pre-cleaned and sealed with one (1) layer of six (6) mil polyethylene sheeting.
- **d.** Polyethylene sheeting shall be installed in such a manner as to cause minimal damage to underlying surfaces. The AAC shall ensure proper adhesion of the sheeting to problem areas, such as walls with peeling paint.
- **e.** Approved high quality HEPA equipped air filtration devices (AFDs) shall be placed so as to develop and hold a negative differential air pressure.
  - **1.** The AFD exhaust shall be vented outside of the building, or tent containment.
  - **2.** A HEPA vacuum may be used to provide the required negative pressure.

.08 The AAC shall construct a one-stage or three stage decontamination chamber, as appropriate at the intended location at each work area and a remote two-stage decontamination chamber complete with a shower at a designated location when utilizing a one stage decontamination chamber. Refer to *Section 13.00 - Decontamination Facilities*. Exact placement shall be at the discretion of the AAC, with approval from the on-site API.

.09 Upon completion of the work area preparation, and approval by the on-site API, install containment bags (glove bags) around the pipe/pipe fitting insulation to be removed, in accordance with the ACR Section VI.C.3.e.2-5. The containment bag, once attached, shall be smoke tested using a smoke tube and aspirator bulb. The containment bags shall be utilized in order to further contain any airborne asbestos fibers released during the removal tasks and simplify the subsequent final cleaning tasks.

- **a.** Pipe insulation covered with metal jacketing shall first require the removal of the metal jacket using appropriate tin snips.
- **b.** The pipe insulation diameter worked shall not exceed one-half of the bag working length above the attached gloves.
- **c.** These bags are for single use and shall not be repositioned.
- **d.** Polyethylene sheeting shall be applied to the work area floors beneath the pipe/pipe fitting insulation to be removed, extending a minimum of five (5) feet in all directions or to the full extent of the floor space included in the tent containment, whichever is larger.

.10 Removal of pipe/pipe fitting insulation shall be initiated only after the material has been treated with a solution of water and wetting agent. At the start of each work day, the material to be removed shall be wetted. This wetting shall be repeated at such intervals as to prevent the insulation from drying out.

.11 Perform removal of the pipe/pipe fitting insulation using the containment-bag technique. Containment bag removal practices shall conform to the ACR Section VI.C.3.e.7-20.

.12 Prior to removing the glove bag, any residue shall be removed using a stiff nylon brush or a scraper. The pipe surfaces shall then be wet wiped to remove any visible debris. The API shall conduct a visual inspection and approve encapsulation when no visible dust or debris is evident on pipe surfaces.

.13 Upon approval by the API, encapsulate the pipe surfaces prior to removing the containment bag. The API shall inspect the sealant/encapsulant to confirm adequate and proper application and approve subsequent removal of the glove bag(s). When acceptable, the API shall approve the removal of the glove-bag.

a. A HEPA vacuum shall be used to collapse the glove-bag prior to removal.

.14 The AAC shall clean all surfaces in the work area using wet-wipe and HEPA-vacuum techniques.

.15 Upon completion of cleaning activities, the API shall inspect the sealant/encapsulant to confirm adequate and proper application.

.16 The API shall conduct a detailed final inspection to ensure that no visible dust or debris remains on any surfaces. If any suspect or objectionable material is evident, the AAC shall clean the material and sufficient surrounding areas to the satisfaction of the API, via wet-wipe and HEPA-vacuum techniques.

.17 Following an acceptable final inspection, the API shall perform clearance air sampling. Refer to *Section 9.00 - Air Monitoring by the Owner*.

a. The AAC shall include in his progress schedule a 24-hour waiting period, following the delivery of the work area to the API for clearance testing. The waiting period shall be allotted to provide an opportunity for the Philadelphia Federation of Teacher's (PFT) environmental representative to schedule and conduct side by side final clearance testing with the API.

1. Samples shall be collected and analyzed via TEM. Results shall be evaluated in accordance with the ACR and AHERA.

2. Acceptable airborne fiber concentrations for individual "outside the work area" air samples shall be < 0.010 f/cc for PCM and < 0.010 s/cc for TEM.

b. Asbestos abatement and/or construction activities will not be permitted beside or near another containment receiving final clearance air sampling. All Contractors shall perform construction-related activities in separate sections of the building during the collection of final clearance air samples.

.18 If the results of clearance samples are unacceptable according to Philadelphia ACR and AHERA requirements, the AAC shall re-clean the work area via wet-wipe and HEPA-vacuum techniques. Following an acceptable inspection, the API shall again perform clearance sampling. This sequence shall be repeated until receipt of acceptable air sample results according to Philadelphia ACR and AHERA requirements.

.19 Upon receipt of acceptable final visual inspections and acceptable air sample clearance results, carefully dismantle materials used in the work area containment.

b. All glove-bags containing pipe/pipe fitting insulation and all other materials used in the work area containment shall be disposed of as asbestos waste in accordance with *Section 19.03 - ACM Waste Disposal*.

17.00 - PREPARATION & ABATEMENT – REMOVAL OF 12" X 12" VINYL ASBESTOS FLOOR TILE AT UNIT-VENT REPLACEMENT LOCATIONS – NON-FRIABLE PROJECTS

.01 This section is intended to specify the acceptable non-friable methods for the removal of 12" x 12" vinyl asbestos floor tile as listed in *Section 1.11*.

a. The AAC shall be responsible for the removal of thirty twenty feet (20 SF) of 12"x12" vinyl asbestos floor tile throughout all unit-ventilator replacement locations to accommodate removal and replacement of unit ventilators. Ventilators scheduled to be replaced are identified in the Mechanical Drawings and Schedules.

1. **Any mastic residue present on concrete floor surfaces shall remain.**

2. Removal of vinyl floor tile shall be performed using infra-red heat machines or dry-ice along with a chemical solvent for mastic removal.

3. If it is apparent the AAC cannot remove the floor tile and/or mastic in a non-friable manner, the API will stop work and all requirements of a friable project will be implemented at no additional cost to the Owner.

.02 The AAC shall assure that exits from the building are not obstructed and that appropriate safety barriers are established to prevent access to the work area by unauthorized persons. The work areas are to be kept neat, clean, and safe.

.03 Only approved noncombustible or flame-resistant materials shall be used in the construction of temporary enclosures. Polyethylene sheeting to be used shall be certified to conform to NFPA 701.

.04 Post OSHA specified, asbestos specific danger signs at the entrance to the work area. Such signs shall also be posted when applicable to decontamination chambers, bag-out chambers, critical and separation barriers, and waste storage containers.

.05 The AAC shall confine their equipment, the storage of materials, tools, supplies, and the activities of their workmen to the limits established by the Owner and local ordinances.

.06 Assure any HVAC systems associated with or which course through any work area are sealed, shut down and locked out.

.07 The AAC shall de-energize the work area and all conduit running through the work area, if possible.

a. Appropriate lock and tag out devices shall be installed at the circuit breakers.

b. All conduit that cannot be de-energized shall be wrapped with a minimum of one (1) layer of six (6) mil polyethylene sheeting.

1. Suspend OSHA approved, electrical - voltage and shock hazard warning tags from the energized conduit traveling through the work area every six feet. The warning tags shall remain in place for the duration of the abatement project.

c. The AAC shall provide a temporary electrical panel board with ground fault interruption. All electrical power shall be brought into the work area via ground fault interrupters (GFIs).

d. The AAC shall supply sufficient temporary lighting to illuminate the work area during abatement.

.08 Install an approved high quality HEPA equipped air filtration devices (AFDs) so as to develop and hold a negative differential air pressure. The AFD exhaust shall be vented outside of the building.

.09 Construct a one-stage decontamination unit at the work area entrance. Workers shall wear two disposable Tyvek-type suits and a Type A respirator in the work area. Shower facilities with soap and hot and cold water shall be available.

.10 Install critical barriers consisting of one (1) layer of six-mil polyethylene over all windows, doors, HVAC ducts and any other critical openings inside the work area such that the work area is isolated from the rest of the building. Areas where critical barriers are to be installed shall first be pre-cleaned via wet wipe and HEPA vacuum techniques.

.11 Upon completion of preparation of the work area and approval by the API, perform removal of the floor tile, using the appropriate non-friable method to facilitate non-friable removal. Tiles shall be removed and placed into waste containers in as complete sections as possible to minimize the release of asbestos fibers and dust.

a. Remove all binding strips or other restrictive moldings holding floor tile at locations such as doorways, walls, thresholds, etc...
b. Using the appropriate non-friable method to loosen the tile's adhesion to the substrate, wedge a scraper beneath the edge of the floor tile and lift the tile intact to minimize the release of asbestos fibers and dust.
c. Crews shall be structured such that tiles are packaged as they are removed. Removed floor tile shall not be permitted to accumulate in the work area and shall be completely contained in proper asbestos waste containers, without further breakage, ready for disposal, before the end of each shift.
d. All floor tile shall be disposed of as asbestos waste in accordance with *Section 19.03 - ACM Waste Disposal*.

.12 If it is apparent the AAC cannot remove the tiles in a non-friable manner without breakage, work will be stopped by the API and all requirements of a friable project will be implemented, as per ACR Section V1.

.13 Any mastic residue present on concrete floor surfaces shall remain.

.14 Upon completion of all floor tile and mastic, perform final cleaning of the work area. Final cleaning shall be performed via HEPA vacuum and wet wiping techniques. AFDs shall remain in operation during this procedure.

.15 The API shall conduct a detailed final inspection to ensure that no visible dust or ACM debris (tile chips, dust) remains on any surfaces.

.16 The floor surface need not be encapsulated, as some replacement tile/mastic system manufacturers instructions preclude the use of an encapsulant in order to ensure proper adhesive performance.

.17 No clearance sampling shall be required following the completion of non-friable work provided that the adjacent clean area samples collected during the non-friable abatement <0.010 f/cc. If clean area samples exceeded 0.010 f/cc during the non-friable abatement tasks, five (5) clearance samples shall be collected and analyzed via PCM.

.18 Upon acceptable final visual inspections and clearance air sample results, all materials used in the work area containment shall be carefully dismantled and disposed in sealable plastic bags as asbestos contaminated waste.

18.00 - PREPARATION & ABATEMENT – WIRE INSULATION - NON-FRIABLE PROJECTS

.01 This section is intended to specify the acceptable methods for non-friable removal of woven wire insulation as listed in *Section 1.11*.

a. Woven wire insulation is classified as a non-friable Category II material. The removal of this material shall be performed as non-regulated non-friable projects. Only methods that remove the material intact are permitted. The use of any equipment that may sand, grind, saw, or abrade the material is prohibited.

.02 Delineate and restrict the work area(s) using asbestos specific barrier tape and asbestos specific danger signs. The AAC shall assure that appropriate safety barriers are established to prevent access to the work area by unauthorized persons. The work areas are to be kept neat, clean, and safe.

.03 Install floor coverings consisting of one (1) layer of six (6) mil polyethylene beneath the panels to be removed, extending at least five (5) feet in all directions.

.04 Remove electrical wire insulation wrap using non-friable methods.

a. Unfasten the wires from the electrical panel and dispose of the wires along with the intact insulation as asbestos contaminated waste.

1. If necessary, wiring may be cut into manageable sections using wire-cutters, which shear through the outer cloth wrap and interior cable. The cloth wrap shall be sprayed with amended water at cut points before and during removal activities, to wet the material and enhance dust control.

.05 After removal of the woven wire insulation, clean all residue from surfaces using HEPA-vacuum and wet-wipe techniques, as well as any debris fallen onto the polyethylene sheeting below.

.06 Carefully roll up the polyethylene sheeting. Place the rolled polyethylene sheeting into appropriate asbestos waste containers. All woven wire insulation and polyethylene sheeting shall be disposed of as asbestos waste in accordance with *Section 19.03 - ACM Waste Disposal*.

.07 Upon conclusion of removal and cleaning, a visual inspection shall be made by the API to ensure completeness of the removal.

.08 No clearance sampling shall be required following the completion of non-friable work provided that the adjacent clean area samples collected during the non-friable abatement $\leq$ 0.010 f/cc. If clean area samples exceeded 0.010 f/cc during the non-friable abatement tasks, five (5) clearance samples shall be collected and analyzed via PCM.

19.00 ACM WASTE DISPOSAL

.01 **The dropping, lowering, transporting or otherwise moving any open or packaged waste through any shaft during this project is strictly prohibited!** When the asbestos abatement work area IS a shaft, asbestos waste must be packaged and lowered in a controlled fashion to the base of the shaft. No dropping of waste in any shaft shall be permitted at any time.

.02 Approval must be obtained from the API prior for temporary storage of any asbestos waste containers or construction debris on site, prior to being loaded into appropriate dumpsters. The waste shall be appropriately packaged according to the type of waste. A polyethylene drop cloth and covering shall be provided and the storage areas restricted by barrier tape and appropriate signage. Asbestos waste containers must be distinctly stored separately from other waste. No long-term storage may occur in these areas.

.03 The loading, transportation, and disposal of asbestos waste at the landfill shall occur in accordance with regulatory requirements of NESHAPS and applicable state and local guidelines and regulations.

.04 Waste disposal containers shall conform to one of the following. Waste with sharp edges shall not be disposed of solely in polyethylene bags. **All six-mil polyethylene bags shall be transparent so that when filled, the contents of the bag are readily visible.**

a. Two (2) six-mil polyethylene bags, one placed inside the other, separately sealed. The bags shall be carefully closed to minimize dead air space and taped shut.

1. Six-mil polyethylene disposal bags containing asbestos and asbestos contaminated materials shall be placed into a second six-mil polyethylene bag inside an approved bag-out chamber or decontamination chamber while being removed from the work area. **The second bag shall not be applied inside the work area.**

b. Material first shall be placed into burlap bags or equivalent to prevent edges/corners from tearing or penetrating polyethylene waste bags. The encased material may then be placed in two (2) six mil polyethylene bags, as per *Subsection a* above.

c. One (1) six mil polyethylene sealed bag inside an air and water tight drum.

.05 The AAC shall label asbestos waste with the name of the generator and the location from which the waste was generated.

.06 The container used for transporting and disposing of ACM waste shall be clearly and properly labeled as specified in EPA and DOT regulations. In addition to generator labels, containers must carry the following labels:

DANGER
CONTAINS ASBESTOS FIBERS
AVOID CREATING DUST
CANCER AND LUNG DISEASE HAZARD

-and-

DOT labels requirement: (Easily readable in sharp relief)

CAUTION
Contains Asbestos Fibers
Avoid Opening or Breaking Container
Breathing Asbestos is Hazardous
to your Health
RQ ASBESTOS
9,NA2212,PG III
(ASBESTOS)

.07 During waste load out, post asbestos specific danger signs along the waste disposal route, and on and around the vehicle or dumpster being used to transport the waste off site.

a. Polyethylene drop cloths shall be utilized along routes in which bagged ACM waste is passed through the building. Proposed waste removal route shall be presented to the API and Project Manager/Designer for approval prior to performing delivery of asbestos waste material to the intended waste container. The API must document the proposed route and the APIs subsequent approval in an activity log.

.08 Waste routes must be approved by the Owner and on-site API prior to the commencement of work. All waste being transported through the building must be placed in covered/enclosed containers bearing proper warning signs. The waste route must be kept clean.

a. The rolling of waste drums or the dropping of waste bags down stairs is strictly prohibited!

b. After transport of waste through the building is completed, the AAC shall wet mop the waste removal route to assure continued cleanliness and removal of any debris associated with the waste transport tasks.

.09 All documentation of transportation and disposal transactions such as dump receipts, trip tickets and waste manifests shall be completed and delivered to the Owner for their records.

.10 Should the Owner not receive a receipt of the waste shipment record within 35 days, the Owner shall contact the AAC to determine the status/disposition of the waste.

.11 Should the Owner not receive a receipt of the waste shipment record within 45 days, the Owner shall notify the EPA.

20.00 WORK SCOPE PROGRESS SCHEDULE TEMPLATE

The AAC shall complete and submit an Asbestos Abatement Schedule to the School District of Philadelphia Office of Environmental Services (SDP OEMS) for review and approval. The schedule shall include the parameters of the template illustrated below:

Asbestos Abatement Schedule Template				
	To Be Completed by the Asbestos Abatement Contractor			
Abatement Location	Begin Prep Date	Begin Abatement Date	Complete Abatement/ Test Date	Turnover to GC/MC/EC Date
1st Floor Wing A				
1st Floor Wing B				
1st Floor Wing C				
2nd Floor Wing A				
Boiler Room				
Removal of 12” x 12” VAT at unit-vent replacement locations	to be	coordinated	during the	project
Removal of wire insulation from wall-mounted electric panels	to be	coordinated	during the	project

21.00 PROJECT CLOSEOUT

.01 After achieving acceptable air sample clearance and dismantling the work area, the AAC shall be released after the following items are completed:

a. Removal of all temporary signs, labels, tape and glue/tape adhesive residue.
b. Removal of all temporary devices, facilities, and equipment.
c. Cleaning the project site and storage areas of trash, etc.
d. Replacement/repair of any damage.
e. SDP deems the repair work is acceptable.
f. Moving of all furniture and educational materials back to their original locations.
g. Removal of all waste containers (asbestos, scrap, and construction debris) from site and proper disposal of waste.

.02 Upon completion of the project, the AAC shall submit final documentation to the Owner, including but not limited to, all waste handling/shipping documentation/manifests.

END OF SPECIFICATION

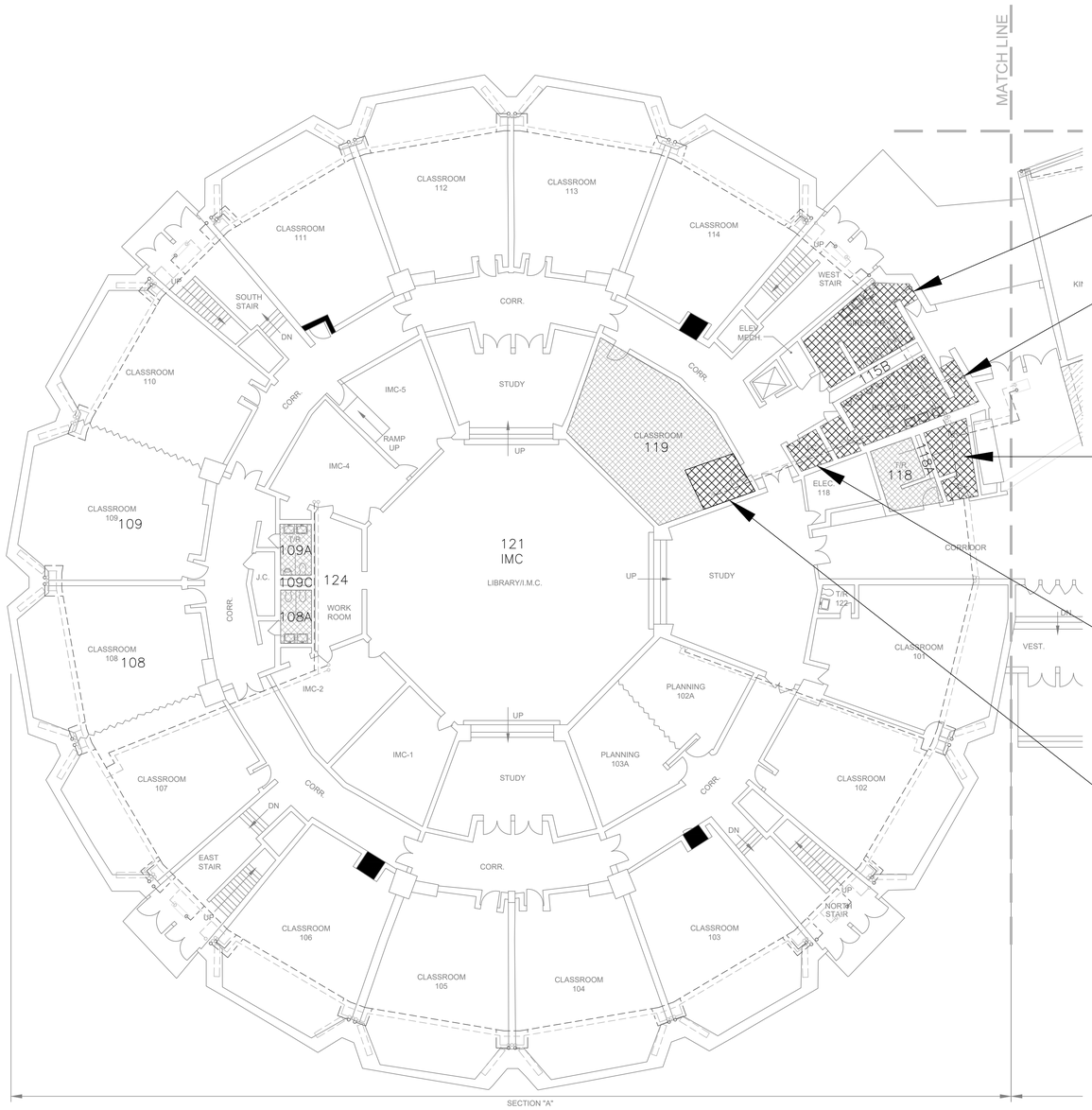
Attachment 1

Floor Plan Drawings ASB-1, ASB-2 & ASB-3

DRAWING NUMBER	DRAWING TITLE
ASB-1	FIRST FLOOR - ASBESTOS CONTAINING MATERIALS PLAN - SECTION A
ASB-2	FIRST FLOOR - ASBESTOS CONTAINING MATERIALS PLAN - SECTION B
ASB-3	FIRST FLOOR - ASBESTOS CONTAINING MATERIALS PLAN - SECTION C

LEGEND:

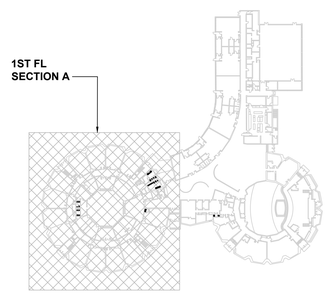
- ASBESTOS–CONTAINING TEXTURED CEILING PAINT TO BE REMOVED
- ASBESTOS–CONTAINING TEXTURED ACOUSTICAL PLASTER CEILING SCHEDULED TO REMAIN
- ASBESTOS–CONTAINING SMOOTH PLASTER CEILING SCHEDULED TO REMAIN
- ASBESTOS–CONTAINING TEXTURED CEILING PAINT SCHEDULED TO REMAIN
- ASBESTOS–CONTAINING CEMENT WALL AND CEILING PANELS SCHEDULED TO REMAIN



NOTES:

1. REMOVE ASBESTOS–CONTAINING TEXTURED PAINT FROM ALL COMPONENTS, INCLUDING BUT NOT LIMITED TO, UPPER WALLS, CONCRETE CEILINGS, CONCRETE BEAMS, UPPER PORTIONS OF CMU BLOCK WALLS (OVER–SPRAY, IF PRESENT) FIBERGLASS PIPE INSULATION, METAL DUCT AND PIPE HANGERS, METAL PIPE SADDLES, METAL DUCTWORK, SMALL COPPER TUBING, RACEWAYS, LIGHT FIXTURES, CONDUIT, ETC. LOWER ALL SURFACE–MOUNT LIGHT FIXTURES, PENDANT–MOUNT LIGHT CANOPY COVERS AND ELECTRICAL CONDUIT TO REMOVE THE ASBESTOS–CONTAINING TEXTURED PAINT FROM ABOVE.
2. REFER TO THE ASBESTOS ABATEMENT DESIGN DATA COLLECTION (DDC) FOR ADDITIONAL INFORMATION AND INSTRUCTIONS.

FIRST FLOOR PLAN - SECTION A
NTS
1



KEYPLAN

Working Harder for Children and Families

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SCHOOL & LOCATION
JOHN B. KELLY ELEMENTARY SCHOOL
5116 PULASKI AVENUE, PHILADELPHIA, PA 19144

PROJECT TITLE
ASBESTOS TEXTURED PAINT REMOVAL

DRAWING TITLE
FIRST FLOOR - ASBESTOS CONTAINING MATERIALS PLAN – SECTION A

APPROVED BY:

SCHOOL DISTRICT OF PHILADELPHIA
THE SCHOOL REFORM COMMISSION

DEPARTMENT OF DESIGN AND CONSTRUCTION SERVICES
440 NORTH BROAD STREET
PHILADELPHIA, PA 19130-4015
215.400.4750 FAX 215.400.4751
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CONTRACTOR TO VERIFY ALL CONDITIONS AND DIMENSIONS AT SITE

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SPEC NO.	DATE 02/14/2018
SCALE NO SCALE	LOCATION NO. 4470
DRAWN BY BJB	TYPE NO. -
CHECKED BY BJB	FILE NO. -

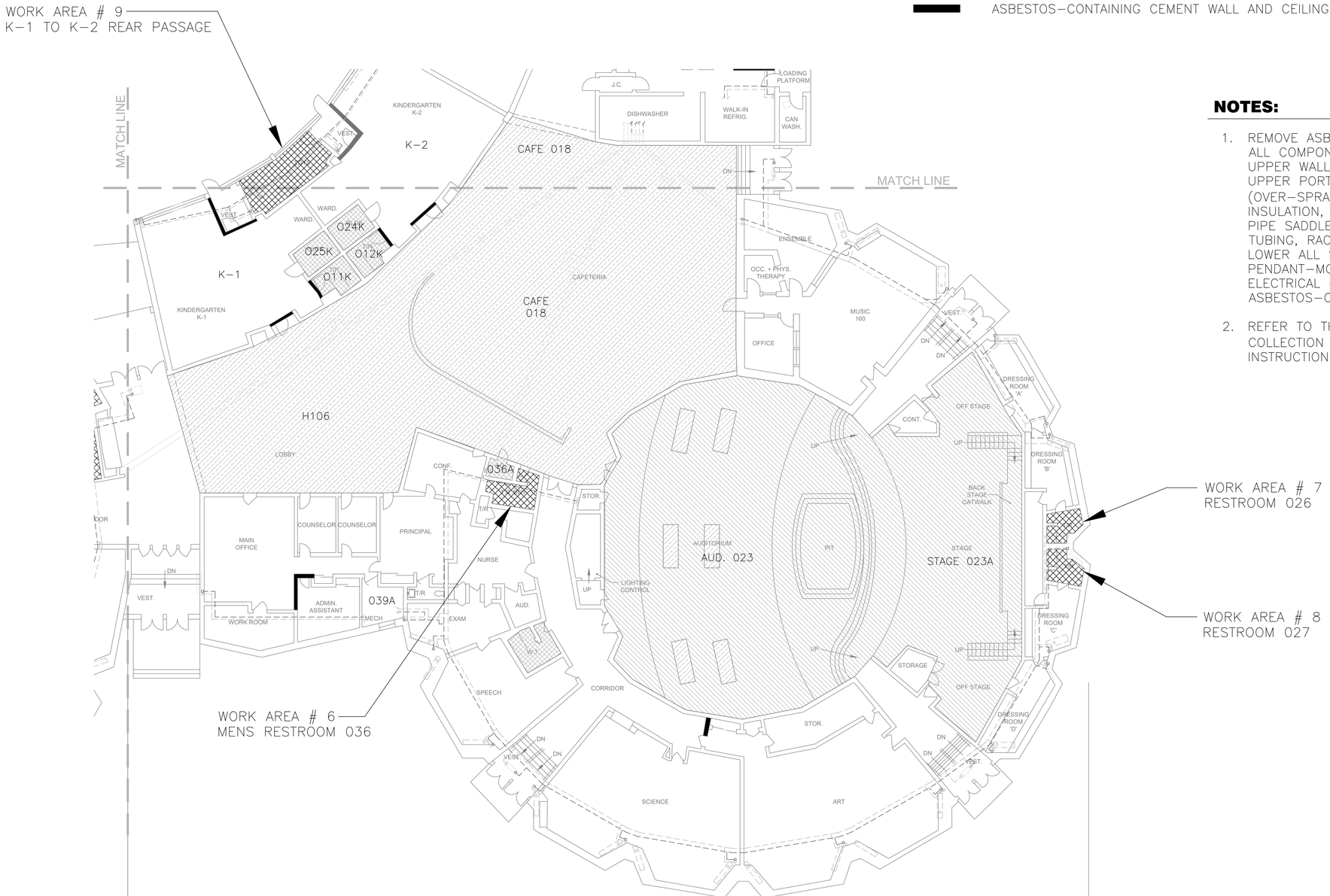
DRAWING NO.
ASB-1

SHEET 1 OF 3

DRAWING NUMBER	DRAWING TITLE
ASB-1	FIRST FLOOR - ASBESTOS CONTAINING MATERIALS PLAN - SECTION A
ASB-2	FIRST FLOOR - ASBESTOS CONTAINING MATERIALS PLAN - SECTION B
ASB-3	FIRST FLOOR - ASBESTOS CONTAINING MATERIALS PLAN - SECTION C

LEGEND:

- ASBESTOS–CONTAINING TEXTURED CEILING PAINT TO BE REMOVED
- ASBESTOS–CONTAINING TEXTURED ACOUSTICAL PLASTER CEILING SCHEDULED TO REMAIN
- ASBESTOS–CONTAINING SMOOTH PLASTER CEILING SCHEDULED TO REMAIN
- ASBESTOS–CONTAINING TEXTURED CEILING PAINT SCHEDULED TO REMAIN
- ASBESTOS–CONTAINING CEMENT WALL AND CEILING PANELS SCHEDULED TO REMAIN



FIRST FLOOR PLAN - SECTION B
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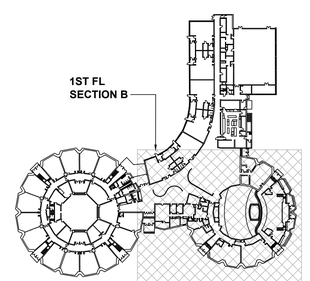
NOTES:

1. REMOVE ASBESTOS–CONTAINING TEXTURED PAINT FROM ALL COMPONENTS, INCLUDING BUT NOT LIMITED TO, UPPER WALLS, CONCRETE CEILINGS, CONCRETE BEAMS, UPPER PORTIONS OF CMU BLOCK WALLS (OVER–SPRAY, IF PRESENT) FIBERGLASS PIPE INSULATION, METAL DUCT AND PIPE HANGERS, METAL PIPE SADDLES, METAL DUCTWORK, SMALL COPPER TUBING, RACEWAYS, LIGHT FIXTURES, CONDUIT, ETC. LOWER ALL SURFACE–MOUNT LIGHT FIXTURES, PENDANT–MOUNT LIGHT CANOPY COVERS AND ELECTRICAL CONDUIT TO REMOVE THE ASBESTOS–CONTAINING TEXTURED PAINT FROM ABOVE.
2. REFER TO THE ASBESTOS ABATEMENT DESIGN DATA COLLECTION (DDC) FOR ADDITIONAL INFORMATION AND INSTRUCTIONS.



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DRAWN BY BJB	TYPE NO. –
CHECKED BY BJB	FILE NO. –

DRAWING NO.
ASB–2

OF
SHEET 2 OF 3

DRAWING NUMBER	DRAWING TITLE
ASB-1	FIRST FLOOR - ASBESTOS CONTAINING MATERIALS PLAN - SECTION A
ASB-2	FIRST FLOOR - ASBESTOS CONTAINING MATERIALS PLAN - SECTION B
ASB-3	FIRST FLOOR - ASBESTOS CONTAINING MATERIALS PLAN - SECTION C

LEGEND:

- ASBESTOS–CONTAINING TEXTURED CEILING PAINT TO BE REMOVED
- ASBESTOS–CONTAINING TEXTURED ACOUSTICAL PLASTER CEILING SCHEDULED TO REMAIN
- ASBESTOS–CONTAINING SMOOTH PLASTER CEILING SCHEDULED TO REMAIN
- ASBESTOS–CONTAINING TEXTURED CEILING PAINT SCHEDULED TO REMAIN
- ASBESTOS–CONTAINING CEMENT WALL AND CEILING PANELS SCHEDULED TO REMAIN

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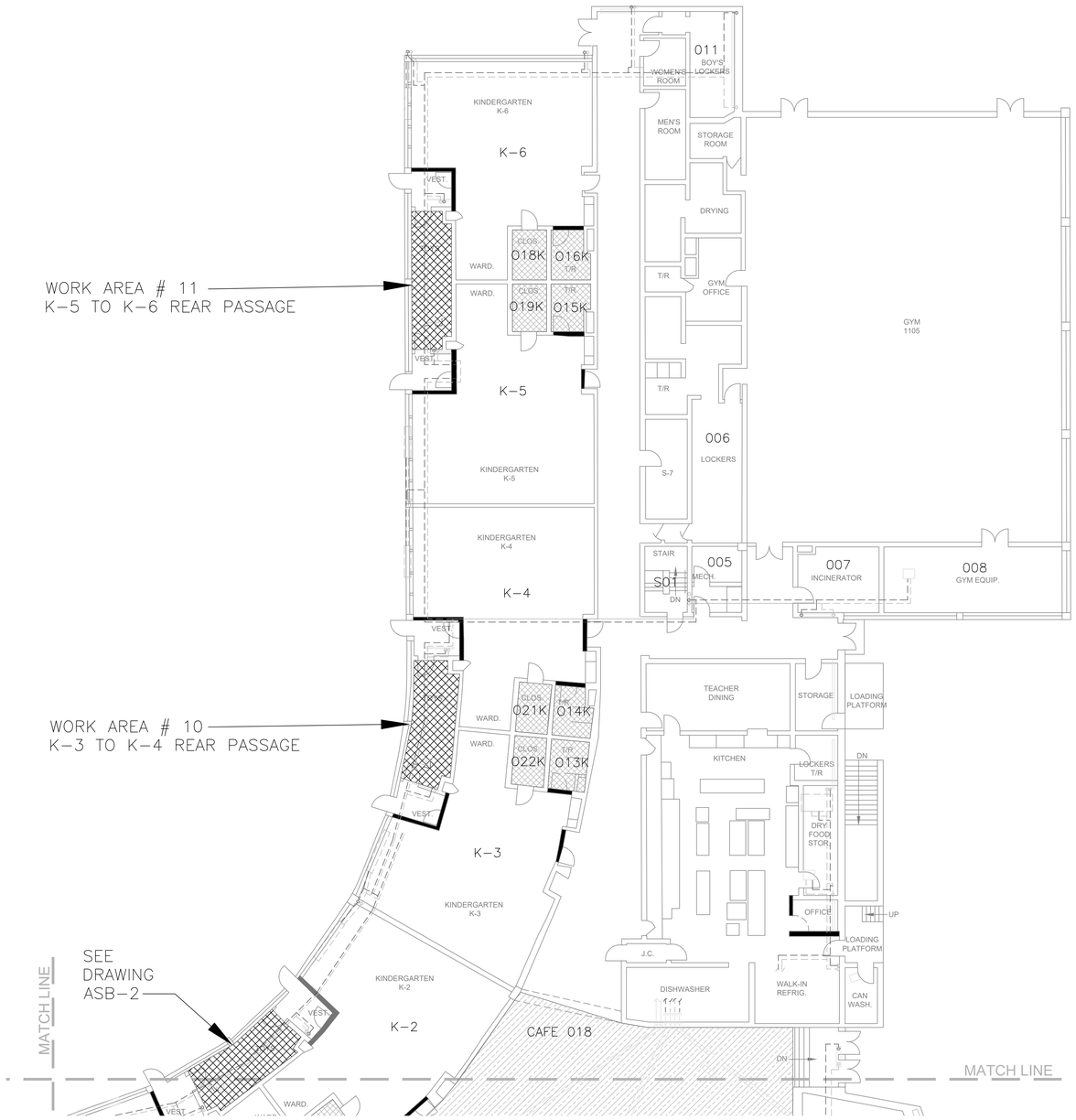

FIRST FLOOR PLAN - SECTION C
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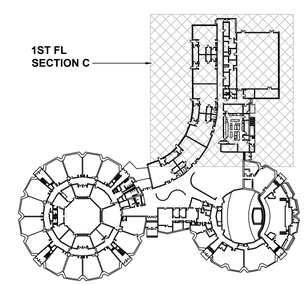

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DRAWING TITLE
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ASB–3

SHEET 3 OF 3