Attachment D-

MLK Asbestos Roof Survey Report

Asbestos Survey Report

MLK Recreation Center Roof
2101 Cecil B Moore Ave
Philadelphia PA 19121

Prepared For:

George Buckmann, RA, LEED AP
Converse Winkler Architecture LLC
331 Montgomery Ave.
Bala Cynwyd, PA 19004

Prepared by:

BATTA Environmental Associates, Inc
6 Garfield Way
Newark, DE. 19713

September 10, 2020
BEA #991120

Prepared by: [Stephen Woronicak / Operations Manager]

Reviewed By: [Neeraj Batta /Vice President]

George Buckmann, RA, LEED AP
Converse Winkler Architecture LLC
331 Montgomery Ave.
Bala Cynwyd, PA 19004

September 10, 2020

RE: BEA#991120 /Asbestos Roof Survey at MLK Recreation Center, 2101 Cecil B Moore Ave. Philadelphia PA 19121

Mr. Buckman:

Batta Environmental Associates, Inc. (BEA) performed an asbestos survey of multiple roof sections (Roof-1 Gym, Roof-2 Connector, Roof 3-Rec Center, Roof 4&5-Kitchen Entrance and Roof 6-Shelter) at the MLK Recreation Center located at 2101 Cecil B. Moore Avenue in Philadelphia, Pennsylvania. The survey was conducted on August 26, 2020, by Nick Mariconda (AIC18-000005) of Batta Environmental Associates, Inc. (BEA), an EPA Certified Building Inspector and Philadelphia licensed Asbestos Investigator.

The purpose of this asbestos survey was to identify the presence, and extent of asbestos-containing materials (ACM) on the roof sections. ACM is defined by the Occupational Safety & Health Administration (OSHA) as materials containing greater than 1% asbestos by composition.

The inspection was performed by a certified asbestos building inspector, experienced in identifying and sampling suspect ACM. All the exterior areas of the roof were analyzed. All observed suspect materials were sampled to determine asbestos content. No materials were assumed to contain asbestos.

A total of sixteen (16) samples were collected as a part of this survey. All samples collected were analyzed at Batta Laboratories, LLC using Polarized Light Microscopy (PLM) methods. PLM samples were analyzed utilizing the Environmental Protection Agency's test method: "Methods for the determination of Asbestos in Bulk Building Materials" (EPA 600/R-93/116, July 1993) and the McCrone Research Institute's "The Asbestos Particle Atlas" as the principal analytical references.

Samples were analyzed using an A,B,C… positive stop protocol for each set of homogenous materials (*materials with similar characteristics)*. If a sample in the homogenous set tested **positive** for **asbestos** (***greater than 1% by composition****)* then the other samples in that set were not analyzed. If asbestos was not detected in a sample then all samples from that homogenous set were analyzed for asbestos until one tested positive.

The following table summarizes the samples collected and identifies and quantifies materials that contain asbestos in amounts greater than 1 % (NAD = No Asbestos Detected, RACM = regulated Asbestos Containing Material, CAT NF = Category I Non-friable ACM, and CAT II NF = Category II Non-friable ACM).

MLK Recreation Center, 2101 Cecil B Moore Ave. Philadelphia PA					
Material	**Location**	**% ACM**	**Category**	**Condition**	**Quantity**
Roof Cores	Roofs 1,2,3	NAD	NA	NA	NA
Curb/Edge Flashing	**Roofs 1,2,3**	**20% Chrysotile**	**CAT I NF**	**Good**	**750 LF**
Roof cores	Roof 1 Edge Roof/Roof 2 Lower	NAD	NA	NA	NA
Soffit (Transite)	**Roof 3 Soffit**	**30% Chrysotile**	**CAT II NF**	**Good**	**900 S.F.**
Roof Cores	Roofs 4,5,6	NAD	NA	NA	NA
Edge Flashing	Roofs 4,5,6	NAD	NA	NA	NA

Curb/Edge flashing is a Category I Non-friable ACM and is not regulated in the City of Philadelphia as long as the material is not rendered friable through mechanical means such as sawing, sanding, or, grinding. A licensed asbestos contractor is not required as long as the material is not rendered friable, and conventional demolition methods do not render this material friable.

Transite (soffit) is a Category II Non-friable ACM and is regulated in the City of Philadelphia. A licensed asbestos contractor is required when impacting this material during demolition or renovation.

A City of Philadelphia Asbestos Inspection Report (AIR), laboratory certificates of analysis, chain of custody, and other field paperwork pertaining to the asbestos survey at MLK Recreation Center, in Philadelphia, Pennsylvania are attached. If you should shave any questions or concerns, please feel free to contact me at (302) 737-3376, extension 106.

Sincerely,

Stephen C. Woronicak
Operations Manager

Attached: *City of Philadelphia Asbestos Inspection Report*
Laboratory Certificates of Analysis for PLM Samples
Survey Field Paperwork
Licenses & Certifications

Ph: 855.862.2882
Fx: 302.737.5764

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Battaenv.com

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EPA Lab ID #DE004

NVLAP Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0
Batch#: N/A
COC#: N/A

CERTIFICATE OF PLM ANALYSIS

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 09/11/20

Sampling Data

Date Sampled: 08/26/20
BLI Project #: L167320
Sampled By: N.MARICON
Project Name: 991120 MLK - RECREATION CENTER
Date Analyzed: 09/02/20

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
1153337	08.26 01A	Roofs 1-2-3	Roof Cores	No	Granular Soft Heterogeneous	Black	10% Cellulose 5% Fiber Glass 85% Non-fibrous Material	No Asbestos Found
1155623	08.26 01A (Layer 1)	Roofs 1-2-3	Roofing Material - Tar	n/a	Soft Homogeneous	Black	100% Non-fibrous Material	No Asbestos Found
1155624	08.26 01A (Layer 2)	Roofs 1-2-3	Roofing Insulation	n/a	Fibrous Homogeneous	Tan	40% Cellulose 60% Non-fibrous Material	No Asbestos Found
1155625	08.26 01A (Layer 3)	Roofs 1-2-3	Roofing	n/a	Soft Homogeneous	Black	15% Cellulose 5% Fiber Glass 80% Non-fibrous Material	No Asbestos Found
1155626	08.26 01A (Layer 4)	Roofs 1-2-3	Roofing - Tar Paper	n/a	Fibrous Soft Homogeneous	Black	30% Cellulose 40% Fiber Glass 30% Non-fibrous Material	No Asbestos Found

Note 1 *Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.*

Note 2 Unless otherwise specified, Tr=Trace and correlates to <0.25% (based on a 400-point EPA point count).

Note 3 Materials containing vermiculite are not good candidates for analysis using standard EPA 600 PLM protocol. Results may be low-biased due to inherent limitations caused by the material. The EPA recommends that vermiculite attic insulation (VAI) be prepped and analyzed using EPA 600/R-04/004, known as "The Cincinnati Method".

ANALYST: PMG

REVIEWED BY: _____

QA/QC Officer/Signatory

*Organically-bound, nonfriable material may interfere with the accurate and reproducible quantification of asbestos. In these cases, the EPA recommends further analysis by a matrix-reduction method. Batta recommends the NY ELAP Item 198.6/198.4 over the Chatfield method. When point count techniques are utilized on organically-bound, nonfriable materials without the EPA-recommended matrix reduction steps, Batta Laboratories assumes no responsibility regarding the accuracy or precision associated with these results. In these cases, Batta employs a modified version of the EPA point count method.

*WRTA refers to a group of fibrous Amphiboles typically associated with 'Libby Amphibole'. Within this classification are: winchite, richterite, tremolite, and actinolite.

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NVLAP Lab Code: 101032-0

Dept. Code: PLM

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Batch#: N/A
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Date Sampled: 08/26/20
Sampled By: N.MARICON
Date Analyzed: 09/02/20

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
1155627	08.26 01A (Layer 5)	Roofs 1-2-3	Roofing Foa	n/a	Soft Homogeneous	Orange	1% Cellulose 2% Synthetic Fiber 97% Non-fibrous Material	No Asbestos Found
1153338	08.26 01B	Roofs 1-2-3	Roof Cores	No	Soft Homogeneous	Black	100% Non-fibrous Material	No Asbestos Found
1155628	08.26 01B (Layer 1)	Roofs 1-2-3	Roofing Material	n/a	Soft Homogeneous	Black	100% Non-fibrous Material	No Asbestos Found
1155629	08.26 01B (Layer 2)	Roofs 1-2-3	Roofing - Tar Paper	n/a	Paper-like Homogeneous	Black	20% Cellulose 30% Fiber Glass 50% Non-fibrous Material	No Asbestos Found
1155630	08.26 01B (Layer 3)	Roofs 1-2-3	Roofing - Foam	n/a	Soft Homogeneous	Orange	1% Cellulose 1% Synthetic Fiber 98% Non-fibrous Material	No Asbestos Found

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Note 2 Unless otherwise specified, Tr=Trace and correlates to <0.25% (based on a 400-point EPA point count).

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Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
1155631	08.26 01B (Layer 4)	Roofs 1-2-3	Roofing-Insulation	n/a	Fibrous Homogeneous	Gray	65% Cellulose 35% Non-fibrous Material	No Asbestos Found
1155632	08.26 01B (Layer 5)	Roofs 1-2-3	Plaster	n/a	Granular Heterogeneous	Gray	100% Non-fibrous Material	No Asbestos Found
1153339	08.26 01C	Roofs 1-2-3	Roof Cores	No	Soft Homogeneous	Black	100% Non-fibrous Material	No Asbestos Found
1155633	08.26 01C (Layer 1)	Roofs 1-2-3	Roofing Insulation	n/a	Fibrous Homogeneous	Gray	70% Cellulose 30% Non-fibrous Material	No Asbestos Found
1155634	08.26 01C (Layer 2)	Roofs 1-2-3	Roofing Material	n/a	Soft Homogeneous	Black	5% Cellulose 95% Non-fibrous Material	No Asbestos Found

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Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
1153340	08.26 01D	Roofs 1-2-3	Roof Cores	No	Soft Homogeneous	Black	3% Cellulose 97% Non-fibrous Material	No Asbestos Found
1155635	08.26 01D (Layer 1)	Roofs 1-2-3	Roofing Insulation	n/a	Fibrous Heterogeneous	Gray	65% Cellulose 35% Non-fibrous Material	No Asbestos Found
1155636	08.26 01D (Layer 2)	Roofs 1-2-3	Roofing Membrane	n/a	Soft Homogeneous	Black	2% Cellulose 98% Non-fibrous Material	No Asbestos Found
1155637	08.26 01D (Layer 3)	Roofs 1-2-3	Roofing Tar Paper	n/a	Soft Fibrous Homogeneous	Black	60% Cellulose 40% Non-fibrous Material	No Asbestos Found
1155638	08.26 01D (Layer 4)	Roofs 1-2-3	Roofing Foam	n/a	Soft Homogeneous	Orange	100% Non-fibrous Material	No Asbestos Found

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Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
1153341	08.26 01E	Roofs 1-2-3	Roof Cores	No	Soft Homogeneous	Black	2% Cellulose 1% Synthetic Fiber 97% Non-fibrous Material	No Asbestos Found
1155639	08.26 01E (Layer 1)	Roofs 1-2-3	Roofing Membrane	n/a	Soft Homogeneous	Black	30% Cellulose 70% Non-fibrous Material	No Asbestos Found
1155640	08.26 01E (Layer 2)	Roofs 1-2-3	Roofing Tar Paper	n/a	Soft Paper-like Homogeneous	Black	60% Cellulose 40% Non-fibrous Material	No Asbestos Found
1155641	08.26 01E (Layer 3)	Roofs 1-2-3	Roofing Insulation	n/a	Fibrous Heterogeneous	Gray	60% Cellulose 40% Non-fibrous Material	No Asbestos Found
1155642	08.26 01E (Layer 4)	Roofs 1-2-3	Roofing Foam	n/a	Soft Homogeneous	Orange	2% Cellulose 98% Non-fibrous Material	No Asbestos Found

Note 1 *Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.*

Note 2 Unless otherwise specified, Tr=Trace and correlates to <0.25% (based on a 400-point EPA point count).

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Sample ID			Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#		Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
1153342	08.26 02A		Roofs 1-2-3	Curb-Edge - Flashing	No	Soft Homogeneous	Black	5% Synthetic Fiber 92% Non-fibrous Material	3% Chrysotile Total Asbestos = 3%
1153343	08.26 02B	**	Roofs 1-2-3	Curb-Edge - Flashing	No				Sample Not Analyzed (positive stop rules)
1153344	08.26 02C	**	Roofs 1-2-3	Curb-Edge - Flashing	No				Sample Not Analyzed (positive stop rules)
1153345	08.26 02D	**	Roofs 1-2-3	Curb-Edge - Flashing	No				Sample Not Analyzed (positive stop rules)
1153346	08.26 03A		Roof 1 Edge Roof - Roof 2 Lower	Roof Cores	No	Granular Soft Heterogeneous	Black	100% Non-fibrous Material	No Asbestos Found

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Document Security Note: *Due to the unsecure nature of electronic files, it is the responsibility of the client (herein defined as the recipients of this or these electronic files) to verify the authenticity and accuracy of data included in the attached electronic file(s). Batta Laboratories, LLC is not liable for any discrepancies, alternations, reproduction (including copying and pasting), redistribution or any other actions that may alter or change the accuracy or the nature of the originally transmitted files. It is recommended that the recipient of these documents verify the data in electronic format with the corresponding hard copy data report.*

** This sample was not analyzed for reasons noted in the far right column. Batta Labs, LLC will not charge clients for samples not analyzed. Please contact Batta if charged in error.

*This report does not constitute endorsement by NVLAP and/or any other US government agencies.

*The test data pertain only to the items tested. No assumptions or conclusions should be made to materials or samples not analyzed. Furthermore, Batta Laboratories, LLC assumes no responsibility for the accuracy of results influenced by the use of improper collection techniques or equipment.

*Organically-bound, nonfriable material may interfere with the accurate and reproducible quantification of asbestos. In these cases, the EPA recommends further analysis by a matrix-reduction method. Batta recommends the NY ELAP Item 198.6/198.4 over the Chatfield method. When point count techniques are utilized on organically-bound, nonfriable materials without the EPA-recommended matrix reduction steps, Batta Laboratories assumes no responsibility regarding the accuracy or precision associated with these results. In these cases, Batta employs a modified version of the EPA point count method.

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1155643	08.26 03A (Layer 1)	Roof 1 Edge Roof - Roof 2 Lower	Roofing Insulation	n/a	Fibrous Homogeneous	Gray	60% Cellulose 40% Non-fibrous Material	No Asbestos Found
1153347	08.26 03B	Roof 1 Edge Roof - Roof 2 Lower	Roof Cores	No	Fibrous Soft Heterogeneous	Black	30% Cellulose 70% Non-fibrous Material	No Asbestos Found
1155644	08.26 03B (Layer 1)	Roof 1 Edge Roof - Roof 2 Lower	Roofing Insulation	n/a	Fibrous Homogeneous	Gray	60% Cellulose 40% Non-fibrous Material	No Asbestos Found
1155645	08.26 03B (Layer 2)	Roof 1 Edge Roof - Roof 2 Lower	Roofing Tar Paper	n/a	Soft Paper-like Heterogeneous	Black	25% Cellulose 20% Fiber Glass 55% Non-fibrous Material	No Asbestos Found
1155646	08.26 03B (Layer 3)	Roof 1 Edge Roof - Roof 2 Lower	Roofing Foam	n/a	Soft Homogeneous	Orange	2% Cellulose 1% Synthetic Fiber 97% Non-fibrous Material	No Asbestos Found

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Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
1153348	08.26 04A	Roof 3 sophet	Sophet (Transite)	No	Firm Heterogeneous	Gray	70% Non-fibrous Material	30% Chrysotile Total Asbestos = 30%
1153349	08.26 05A	Roofs 4-5-6	Roof Cores	No	Soft Homogeneous	Black	2% Cellulose 1% Synthetic Fiber 97% Non-fibrous Material	No Asbestos Found
1155647	08.26 05A (Layer 1)	Roofs 4-5-6	Roofing Tar Paper	n/a	Paper-like Heterogeneous	Black	60% Cellulose 40% Non-fibrous Material	No Asbestos Found
1155648	08.26 05A (Layer 2)	Roofs 4-5-6	Roofing Membrane	n/a	Soft Homogeneous	Black	1% Cellulose 99% Non-fibrous Material	No Asbestos Found
1155649	08.26 05A (Layer 3)	Roofs 4-5-6	Roofing Insulation	n/a	Fibrous Heterogeneous	Gray	60% Cellulose 40% Non-fibrous Material	No Asbestos Found

Note 1 *Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.*

Note 2 Unless otherwise specified, Tr=Trace and correlates to <0.25% (based on a 400-point EPA point count).

Note 3 Materials containing vermiculite are not good candidates for analysis using standard EPA 600 PLM protocol. Results may be low-biased due to inherent limitations caused by the material. The EPA recommends that vermiculite attic insulation (VAI) be prepped and analyzed using EPA 600/R-04/004, known as "The Cincinnati Method".

ANALYST: PMG

REVIEWED BY: _____

QA/QC Officer/Signatory

Dedicated to a Cleaner Environment Since 1982

NY ELAP LAB# 11993 for PCM, PLM, TEM & Lead

batta LABORATORIES

BATTA LABORATORIES, LLC

A Certified MBE Company

Delaware Industrial Park, 6 Garfield Way
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Web: http://www.battaenv.com E-mail: battaenv@battaenv.com

EPA Lab ID #DE004

NVLAP Lab Code: 101032-0

Dept. Code: PLM

Rev. #: 0
Batch#: N/A
COC#: N/A

CERTIFICATE OF PLM ANALYSIS

Test Method: EPA/600/R-93/116 in conjunction with Batta SOP

Report Date: 09/11/20

Sampling Data

Date Sampled: 08/26/20
BLI Project #: L167320
Sampled By: N.MARICON
Project Name: 991120 MLK - RECREATION CENTER
Date Analyzed: 09/02/20

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
1153350	08.26 05B	Roofs 4-5-6	Roof Cores	No	Soft Homogeneous	Black	2% Cellulose 98% Non-fibrous Material	No Asbestos Found
1155650	08.26 05B (Layer 1)	Roofs 4-5-6	Roofing Foam	n/a	Soft Homogeneous	Orange	2% Cellulose 98% Non-fibrous Material	No Asbestos Found
1155651	08.26 05B (Layer 2)	Roofs 4-5-6	Roofing Membrane	n/a	Soft Homogeneous	Black	5% Synthetic Fiber 95% Non-fibrous Material	No Asbestos Found
1153351	08.26 05C	Roofs 4-5-6	Roof Cores	No	Soft Homogeneous	Black	1% Cellulose 99% Non-fibrous Material	No Asbestos Found
1155652	08.26 05C (Layer 1)	Roofs 4-5-6	Roofing Membrane	n/a	Soft Homogeneous	Black	3% Cellulose 97% Non-fibrous Material	No Asbestos Found

Note 1 *Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.*

Note 2 Unless otherwise specified, Tr=Trace and correlates to <0.25% (based on a 400-point EPA point count).

Note 3 Materials containing vermiculite are not good candidates for analysis using standard EPA 600 PLM protocol. Results may be low-biased due to inherent limitations caused by the material. The EPA recommends that vermiculite attic insulation (VAI) be prepped and analyzed using EPA 600/R-04/004, known as "The Cincinnati Method".

ANALYST: PMG

REVIEWED BY: _____

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BLI Project #: L167320
Sampled By: N.MARICON
Project Name: 991120 MLK - RECREATION CENTER
Date Analyzed: 09/02/20

Sample ID		Client-supplied Data			Analytical Data		Reported Results	
Lab Sample#	Client Sample#	Sample Description	Material Type	Friable?	Texture/ Gross	Color	Non-asbestiform Components	Asbestiform Components
1155653	08.26 05C (Layer 2)	Roofs 4-5-6	Roofing Foam	n/a	Soft Homogeneous	Orange	1% Cellulose 1% Synthetic Fiber 98% Non-fibrous Material	No Asbestos Found
1155654	08.26 05C (Layer 3)	Roofs 4-5-6	Roofing Tar Paper	n/a	Paper-like Heterogeneous	Black	40% Cellulose 10% Synthetic Fiber 50% Non-fibrous Material	No Asbestos Found
1155655	08.26 05C (Layer 4)	Roofs 4-5-6	Roofing Insulation	n/a	Fibrous Heterogeneous	Gray	60% Cellulose 40% Non-fibrous Material	No Asbestos Found
1153352	08.26 06A	Roofs 4-5-6	Edge Flashing	No	Soft Homogeneous	Black	20% Cellulose 80% Non-fibrous Material	No Asbestos Found
1153353	08.26 06B	Roofs 4-5-6	Edge Flashing	No	Soft Homogeneous	Black	25% Cellulose 75% Non-fibrous Material	No Asbestos Found

Note 1 *Due to limitations of the EPA PLM method, floor tiles may yield false negative (<1%) results by this method. As such, the EPA recommends further analysis by electron microscopy. Batta recommends the NY 198.4 over the Chatfield method.*

Note 2 Unless otherwise specified, Tr=Trace and correlates to <0.25% (based on a 400-point EPA point count).

Note 3 Materials containing vermiculite are not good candidates for analysis using standard EPA 600 PLM protocol. Results may be low-biased due to inherent limitations caused by the material. The EPA recommends that vermiculite attic insulation (VAI) be prepped and analyzed using EPA 600/R-04/004, known as "The Cincinnati Method".

ANALYST: PMG

REVIEWED BY: _____

QA/QC Officer/Signatory

*Organically-bound, nonfriable material may interfere with the accurate and reproducible quantification of asbestos. In these cases, the EPA recommends further analysis by a matrix-reduction method. Batta recommends the NY ELAP Item 198.6/198.4 over the Chatfield method. When point count techniques are utilized on organically-bound, nonfriable materials without the EPA-recommended matrix reduction steps, Batta Laboratories assumes no responsibility regarding the accuracy or precision associated with these results. In these cases, Batta employs a modified version of the EPA point count method.

*WRTA refers to a group of fibrous Amphiboles typically associated with 'Libby Amphibole'. Within this classification are: winchite, richterite, tremolite, and actinolite.

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BULK SAMPLING RECORD / CHAIN OF CUSTODY

Project Name: MLK - Rec Center BEA#: 991120
2101 Cecil B. Moore Ave Phila PA

Site Inspected: MLK Rec Center

Building Inspector: Nick Macconda BI#: _____ Date: 8 / 26 / 20

Building Inspector: _____ BI#: _____ MO TU (WE) TH FR SA SU (circle one)

Project Manager: Steve Woroniak / Neeraj Batta

FIELD DATA:

Included	Not Applicable		
☐	☑	1. Job safety Analysis	16 Total # of Samples Submitted
☑	☐	2. Bulk Sample Data Sheet / Log	
☑	☐	3. Floor Plan Sketch with Location Diagram	
☑	☐	4. Materials Inventory Work Sheet	
☑	☐	5. Events Log	Site Arrival Time: 0830 hrs
☑	☑	6. Asbestos Survey Data Checklist	Site Departure Time: 1230 hrs

POST ANALYSIS DATA REVIEW / QAQC:

Project Manager: _____ Date Reviewed: _____

BATTA Environmental

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BULK L167320

NOTE TO ANALYST – Positive Stop Unless Otherwise Noted on this COC

BULK SAMPLE DATA SHEET

PLM ☐EPA ☐POINT COUNT ☐NOB TEM ☐YES/NO ☐NOB ☐EPA

Date/Time Results Required: 9 / 2 / 20 1400 HRS
Date/Time Cert of Analysis Req: / / HRS
Results to: ☐Inspector ☐Manager: NM/SW/NB
☐Client: ☐Phone: ☐Fax:
☐E-mail: NM/SW/NB

Project Name: MLK - Recreation Center BEA# 991120
Site Inspected / Address: MLK Recreation Center
Inspector(s): NM
B.I. #:
Date Inspected 8 / 26 / 20

Page ___ of ___

SAMPLE NUMBER FIELD	SAMPLE NUMBER LAB / 153	MATERIAL SAMPLED Note 2	AHERA CLASS	Note 1 CONDITION G / D / S / D		ALL LOCATIONS, Name & Circle Sample Locations (E.1, E.2, 0.1, 1.1, 1.3, 2.2, ...)	MATERIAL QUANTITY	Note 3 SAMPLE COMPOSITION	SAMPLE COLOR	RESULTS %	RESULTS TYPE
08/26/20--	337/338/339										
01 (A)(B)(C)(D)(E)	340/341	Roof Cores	M	G	N F	Roofs 1, 2, 3		~~H~~ L	Black	NAD	—
02 (A)(B)(C) (D)	342/343 344/345	Curb / Edge Flashing	M	G	N F	Roofs 1, 2, 3		H	Black	2a 3%	Chry
03 (A)(B)(C)	346 347	Roof cores	M	G	N F	Roof 1 edge Roof / Roof 2 Lower		~~H~~ L	Black	NAD	—
04 (A) B, C	348	Sophet (transite)	M	G	N F	Roof 3 sophet		H	Grey	30%	Chry
05 (A)(B)(C)	349 350/351	Roof Cores	M	G	N F	Roofs 4, 5, 6		~~H~~ L	Black	NAD	—
06 (A)(B) C	352 353	Edge flashing	M	G	N F	Roofs 4, 5, 6		H	Black grey	NAD	—
A, B, C					N F						
A, B, C					N F						
A, B, C					N F						
A, B, C					N F						
A, B, C					N F						
A, B, C					N F						
A, B, C					N F						
A, B, C					N F						
A, B, C					N F						

Notes: 1 AHERA Classification: T=Thermal Insulation, S=Surfacing, M=Miscellaneous 2 Material Sampled: Pipe Covering, Boiler Breeching, Ceiling Tile, Floor Tiles, Sheet Flooring, etc. 3 Sample Composition: Homogeneous, Mixed, Layered

Relinquished By: _____ Date: 8 / 26 / 20 Time: _____ Received By: JAA Date: 8 / 27 / 20 Time: 8:30
Delivered By: _____ Date: / / Time: _____ Received By: _____ Date: / / Time: _____
Delivered By: _____ Date: / / Time: _____ Received By: _____ Date: / / Time: _____
Delivered By: _____ Date: / / Time: _____ Received By: _____ Date: / / Time: _____

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EVENTS LOG

Project Name: MLK Rec Center
Site Inspected: MLK Rec Center
Building Inspector (s): N. Marconda

BEA#: 991120
Date: 8 / 26 / 20
Events Log Sheet 1 of 1

Time(24hr)	Event
0820	Arrive onsite meet w/ clients.
0840	Sample roof
1130	
1300	off site

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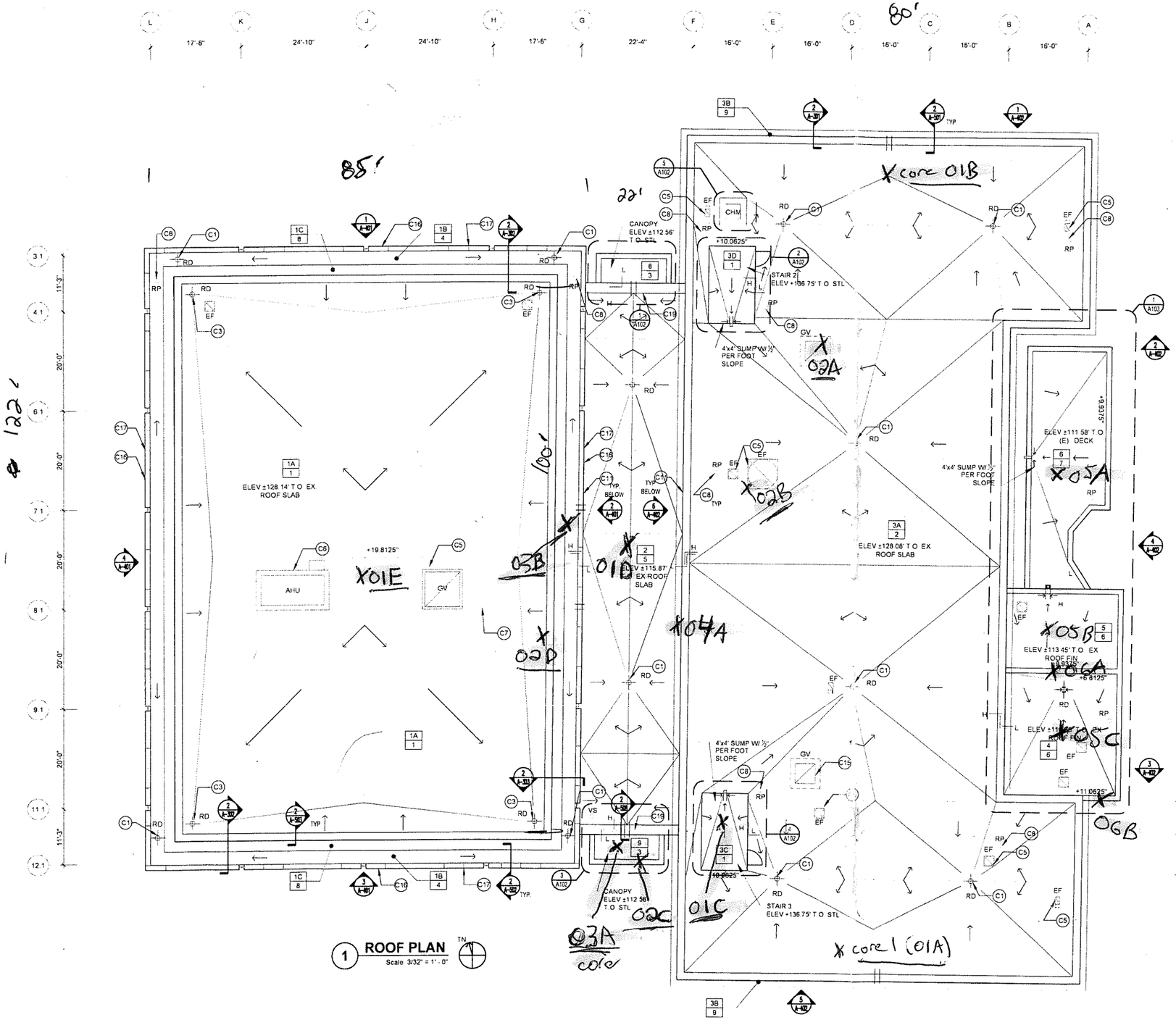
MATERIALS INVENTORY WORK SHEET

Project Name: MLK Rec Center
Site Inspected: " " " Roof
Building Inspector (s): Nick Mordcondy
BEA#: 991120
Date: 8 / 26 / 20
Work Sheet 1 of 1

Sample #	Locations (1.1, 1.2, 3.5,etc.)	Dimensions	Total	units
01	Roof (1,2,3")	Roof 1 = 85' x 122' Roof 3= Roof 2 = 22' x 100' 80' x 150'		
02	Roof (1,2,3)	" " "		
03	Edge foot around roof 1 Small Lower Roof 2	—		
04	Roof 3 Edge (split)	—		
05	Roofs (4,5,6)	—		
06	Roofs (4,5,6)	—		

Roof Plan- MLK Rec Center
2101 Cecile B Moore Avenue, Phila PA 19121

TR- 03/13/2019



1 **ROOF PLAN**
Scale 3/32" = 1'-0"

KEY

X
X — ROOF AREA; ASSEMBLY TYPE

CONSTRUCTION GENERAL NOTES

1. REFER TO ROOF LEGEND ON SHEET G-001 FOR IDENTIFICATION OF EXISTING AND NEW ROOF EQUIPMENT AND FOR REFERENCE KEY TO RELATED ROOFING DETAILS
2. SEE A-001 FOR ROOF ASSEMBLY TYPES
3. SEE D-101 FOR ROOF DEMO PLAN
4. SEE A-201 FOR DRAINAGE, INSULATION LAYOUTS
5. ALL NOTES REFER TO NEW WORK UNLESS DESIGNATED (E) EXISTING
6. REFER TO DRAWING G-001 FOR EXISTING SURFACE PREPARATION NOTES

CONSTRUCTION KEY NOTES

- C1 REPLACE DRAIN DOME, CLAMP RING, EXTENSION ADAPTER, AND DRAIN BOLTS. CLEAN DRAIN BOWL. SEE DWG 3/A500.3 AND MEP DRAWINGS
- C2 REPLACE ROOF DRAIN ASSEMBLY. PROVIDE NEW SCUPPER, CONDUCTOR HEAD, DOWNSPOUT WITH CONCRETE SPLASH BLOCK. SEE DTL
- C3 ROOF DRAIN/OVERFLOW COMBINATION. PROVIDE NEW DRAIN BOWL AND LEADER/ LEADER EXTENSION. SEE DWG 2/A500.3 AND MEP DRAWINGS.
- C4 REPLACE ROOF DRAIN ASSEMBLY. PROVIDE NEW SCUPPER, CONDUCTOR HEAD. LEADER TO REMAIN. SEE DTL
- C5 RAISE EXHAUST FAN/ MECH UNIT AND EXTEND UNIT CURB HEIGHT. PROVIDE NEW FLASHINGS. SEE DWG 5/A500.2
- C6 PROVIDE NEW CURB FLASHINGS AT EXISTING AHU/ MECH UNIT. SEE DWG 2/A500.2
- C7 RAISE ELECTRICAL EQUIPMENT TO ACCOMMODATE ROOF INSTALLATION. COORDINATE TEMPORARY REMOVAL/REINSTALLATION AND DISTRUPTIONS TO TENANT WITH DOA. SEE AE DWGS FOR ADDITIONAL INFORMATION.
- C8 PROVIDE NEW FLASHINGS AT ROOF PENETRATION (RP)/ VENT STACK (VS) PENETRATIONS, TYP. SEE DETAIL 1/A500.2
- C9 PROVIDE NEWS FLASHINGS AT EXHAUST FAN/ GOOSE VENT PENETRATION, TYP. SEE DETAIL 3/A500.2
- C10 PROVIDE PITCH POCKET. SEE DETAIL 2/A500.2
- C11 PROVIDE NEW RAISED THRU WALL FLASHING @ RISING WALL.
- C12 PROVIDE NEW FLASHINGS @ RISING WALL
- C13 RAISE DOOR SILL & PROVIDE NEW FLASHINGS. SEE DETAIL @ A505
- C14 ROOF HATCH AND CURB ASSEMBLY. PROVIDE MANUFACTURER STANDARD FALL PROTECTION AND GATE AROUND OPENING. REINSTALL HANDRAIL BRACKET FASTENERS TO ROOF CURB.
- C15 REPLACE DAMAGED GRAVITY VENT WITH NEW GRAVITY VENT, EQUIPMENT CURB & ASSOCIATED FLASHINGS
- C16 CLEAN LIMESTONE COPING, TYP
- C17 PROVIDE NEW BACKER ROD, SEALANT & LEAD COVER @ COPING JOINT , TYP
- C18 REPLACE EXISTING LIMESTONE COPING WITH NEW MTL COPING CAP ASSEMBLY , TYP
- C19 RAISE PARAPET FOR NEW FLASHING. CLEAN & REINSTALL EXISTING LIMESTONE COPING. PROVIDE NEW BACKER, ROD, SEALANT & LEAD JNT COVERS , TYP
- C20 PROVIDE NEW EDGE MTL FASCIA
- C21 100% RAKE OUT & REPOINT MASONRY WALL, TYP ALL SIDES
- C22 100% RAKE OUT & PROVIDE NEW BACKER ROD & SEALANT @ LIMESTONE COPING, TYP
- C23 PROVIDE NEW DOOR & DOOR HARDWARE. SEE DWG A505

APPROVED:

ARCHITECT/ENGINEER OF RECORD — DATE 11/30/18

APPROVED FOR BID:

ENGINEERING MANAGER — DATE

CONVERSE WINKLER ARCHITECTURE

REVISION	DESCRIPTION	DATE
	BID SET	11/30/18

MLK RECREATION CENTER ROOF-REPLACEMENT

ROOF PLAN

CONVERSE WINKLER ARCHITECTURE

Drawn By: DG
Checked By: AB
CWA-1909.09
Drawing No: A-101
Sheet No: of 65

Z:\CWA Projects\CW_1909 Rebuild Philocrans On Call\1909.02 MLK Recreation Center Roof\04 drawings\A-tecCurVA-01.dwg 07/26/2020

ASBESTOS LABORATORY LICENSE
CITY OF PHILADELPHIA
Department of Public Health
Air Management Services

Batta Laboratories, Inc
6 Garfield Way
Newark, DE 19713-5817

Certification #: ALL-112
Issue Date: 05/08/2020
Expiration Date: 04/30/2021

DISPLAY PROMINENTLY

Asbestos Investigator

Certified by AMS

Nicholas Mariconda

Certificate #: AIC18-000005
Issue Date: 03/29/2019
Expiration: 03/31/2020

City of Philadelphia
Dept. of Public Health
Air Management
Services