

3-YEAR ASBESTOS RE-INSPECTION REPORT

.....

NEIL ARMSTRONG ELEMENTARY SCHOOL SCRANTON, PA

prepared for:

**SCRANTON SCHOOL DISTRICT
425 North Washington Avenue
Scranton, Pa. 18505**

CONSULTANTS:

Guzek Associates, Inc.
401 Davis Street
Clarks Summit, PA 18411

PROJECT: #SSD.19_751

Updated:

November 2019

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ASBESTOS INSPECTION

For the property known as:

NEIL ARMSTRONG ELEMENTARY SCHOOL

SECTION 1 EXECUTIVE SUMMARY

An Asbestos Materials Re-inspection Survey was conducted on November 5 and December 12, 2019 at the above-listed location. The purpose of the survey was to visually locate, identify, and assess asbestos-containing building materials. The survey was conducted by Certified Asbestos Inspectors, Chris Notari (DLI Asbestos Inspector Certification #027028), and Brent Tripp (DLI Asbestos Inspector Certification #053975).

All accessible rooms and areas of the building were entered for inspection of suspected asbestos materials. Suspected asbestos materials not previously sampled (if applicable) were sampled and sent to a laboratory for analyses to confirm or negate the suspicion of asbestos content. Other suspect materials were assumed to contain asbestos.

The results are summarized as follows:

A. Asbestos-containing Materials

1. All confirmed or assumed (roofing materials, chalkboard mastic, etc.) asbestos-containing materials are listed in Appendix A. Materials that were tested and found not to contain asbestos are also listed in Section 6.
2. Recommendations

Recommendations are given in relation to renovation maintenance and demolition activities for the school building in Section 7.

SECTION 2 INTRODUCTION

An Asbestos Materials Inspection of the Neil Armstrong Elementary School was performed at the request Scranton School District, Scranton, PA. The purpose of the inspection was to determine the types, quantities, and conditions of confirmed or assumed asbestos-containing materials, if not previously tested.

Once suspected asbestos materials were identified, they were sampled to verify or negate the suspicion of asbestos content (roofs were not tested and were assumed to contain asbestos). All materials sampled were analyzed via EPA Method 600/R-93/116 utilizing Polarized Light Microscopy by *EMSL Analytical, Inc., a NVLAP- accredited laboratory*.

The friability of these materials was also determined. Friable materials, such as cementitious pipe insulation, are those that can be crumbled, pulverized, or reduced to powder by hand or finger pressure. Non-friable materials, such as floor tiles in good condition, are those that cannot be crumbled, pulverized, or reduced to powder by hand or finger pressure. It is possible for normally non-friable materials to be considered as friable if they are in poor or damaged condition or will be rendered friable by construction or other activities, such as drilling, sanding, crushing by heavy equipment, etc.

The Initial Asbestos Hazard Emergency Response Act (AHERA) Building Inspection Report and Management Plan which was prepared and filed in accordance with the United States Environmental Protection Agency's (EPA) Regulation 40 CFR Part 763, Subpart E – Asbestos-Containing Materials in Schools is on file and available for review at the Scranton School District Administration Offices and the Neil Armstrong Administration Office.

SECTION 3 BUILDING DISCRIPTION

Neil Armstrong Elementary School, located at North Lincoln Avenue & Clearview Street, Scranton, PA is a concrete and masonry building constructed in 1969. The building consists of a ground floor and a first floor, and contains approximately 63,885 square feet of floor area.

SECTION 4 METHODS

Prior to re-inspection the following documents were reviewed by Guzek Associates, Inc.

1. Original inspection report
2. 2016 3-Year Re-inspection Report
3. AHERA 6-month Periodic Surveillance Inspection Reports

Upon completion of reviewing the above referenced documentation, Guzek Associates, Inc. conducted a room-by-room and area-by-area inspection of the building to verify the locations of Asbestos Containing Materials listed in the above documents and to determined the conditions (Good, Damaged, or Significantly Damaged) of these materials. In addition, suspect materials not listed in the above documents were identified and either assumed to contain asbestos or collected and analyzed to determined asbestos content.

The asbestos inspection survey was conducted by inspectors qualified by experience, education, and training in the recognition of suspected asbestos-containing materials. Sampling was limited to only areas that were easily accessible (above ceiling tiles, operable hatches, and open areas.) No walls, chases or ceilings, etc. were penetrated during this inspection.

For those materials analyzed for asbestos content during this inspection, representative samples of "suspected" asbestos-containing materials were collected utilizing approved federal and state methods.

All Samples collected were analyzed by EMSL Analytical, Inc., Cinnaminson, NJ. Using EPA 600/R-93/116 Method using Polarized Light Microscopy

SECTION 5 REINSPECTION FINDINGS

The attached inspection forms in Appendix A indicate both the locations and assessed conditions of confirmed or assumed asbestos containing materials as identified in the building by the 2019 Re-inspection conducted by Guzek Associates, Inc.

The Scranton School District intends to continue implementation of the Operations & Maintenance Program recommendations as contained in the original AHERA Management Plan and to maintain its stringent occupational and environmental protection standards for the on-going control of the identified ACBM's within the building.

SECTION 6 INSPECTION RESULTS

A. Asbestos-containing Materials

Appendix A contains a list and drawings of all confirmed and assumed asbestos-containing materials identified in the 3-year re-inspection report for Neil Armstrong Elementary School conducted by Guzek Associates, Inc.. This table also includes locations and condition assessments (Good, Damaged, or Significantly Damaged).

Finally all Chain of Custody and Analytical Laboratory Reports for the 2016 and 2019 3-Year Re-inspection Report are included in Appendix B.

Note: In addition to those materials listed in the Homogeneous Sampling Chart in Appendix A, the following suspected asbestos-containing materials may be present:

1. Pipe and/or pipe fitting insulation (friable materials) in wall cavities in the vicinities of bathroom and shower fixtures, sinks, and drinking water fountains – no access at time of inspection.
2. Glue pucks behind chalkboards (Category 1 non-friable material) – no access at time of inspection.
3. Fire Doors
4. Roofing Materials (including Flashing and Tar)
5. Electrical wiring insulation maybe present
6. Cementitious Panels may exist on exterior soffits

Materials That Were Tested and Found Not to Contain Asbestos

- All layers of hard wall and ceiling plasters
- All sheetrock and joint compound
- All ceiling tile (Previously tested by others)
- Fiberboard behind bathroom walls
- Boiler Room Ceiling
- Floor leveler
- Exterior Soffit Plaster
- Exterior Metal panel caulk associated with brick
- Light Grey 18"x18" Floor Tile and Mastic
- Blue 12"x12" Floor Tile and Mastic
- Grey/Purple 18"x18" Floor Tile and Mastic
- Dark Grey 18"x18" Floor Tile and Mastic

SECTION 7 RECOMMENDATIONS

- A. Any Materials listed as Presumed Asbestos Containing Materials (PACM) in Appendix A shall either be assumed to contain asbestos or should be analyzed prior to disturbance to determine asbestos content at time of disturbance
- B. All Asbestos Containing Materials in the building that are to remain in place shall be treated according to Operation and Maintenance (O&M) procedures for each specific material and as listed in the O&M plan for the Neil Armstrong Elementary School.
- C. All Presumed or Confirmed Asbestos Containing Materials that will be potentially damaged by any activity (renovation, demolition, maintenance, etc.) shall be:
 - 1. Removed by a Pennsylvania Department of Labor and Industry (PaDLI) Certified asbestos abatement contractor prior to renovation. Final clearance air monitoring should be performed by an independent third party contracted to the school district.

Or

- 2. The Activity that will potentially disturb Asbestos Containing Materials shall be designed to avoid said disturbance.

SECTION 8 ASBESTOS INSPECTOR ACCREDITATION

Certified PA Asbestos Inspectors, Chris Notari (DLI Asbestos Inspector Certification #027028) and Brent Tripp (DLI Asbestos Inspector Certification #053975). Copies of their certificates are included in this report on the following pages.

Certificate of Completion

awarded to

Chris Notari

for successfully completing the prescribed course of study in

Pennsylvania Asbestos Building Inspector Refresher Course

under TSCA Title II

presented by

ACCESS TRAINING SERVICES, INC.

7921 River Road, Pennsauken, NJ 08110

(856) 665-3449

7/11/19

Course Date

N/A

Exam Date

7/11/20

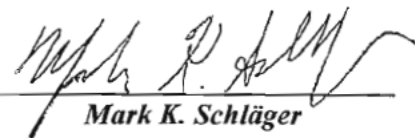
Expiration Date

Not Provided

Social Security Number

ACC-0719-6-005

Certificate Number



Mark K. Schläger
Training Director

Certificate of Completion

awarded to

Brent M. Tripp

for successfully completing the prescribed course of study in

Pennsylvania Asbestos Building Inspector Refresher Course

under TSCA Title II

presented by

ACCESS TRAINING SERVICES, INC.

7921 River Road, Pennsauken, NJ 08110

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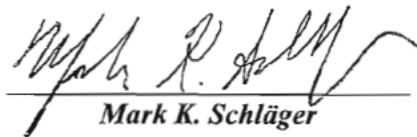
Expiration Date

Not Provided

Social Security Number

ACC-0719-6-006

Certificate Number



Mark K. Schlager
Training Director

APPENDIX A

REINSPECTION FINDINGS:

HOMOGENEOUS SAMPLING CHART

RESPONSE ACTION BASED ON HAZARD RANK

ASBESTOS CONTAINING BUILDING MATERIAL (ACBM) LOCATION DRAWINGS

HOMOGENEOUS SAMPLING CHART

Scranton School District

Building: Neil Armstrong Elementary School

Dates of Original AHERA Inspection: July, 1988

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HOMOGENEOUS SAMPLING MATERIAL		MATERIAL CATEGORY	ASBESTOS CONTENT	FRIABILITY	AHERA ASSESSMENT	AHERA HAZARD	AHERA REMOVAL PRIORITY	NOTES
MATERIAL LOCATION	MATERIAL DESCRIPTION							
Main Level, Room 102 and Closet	9"x9" Floor Tile & Mastic (Approx. 689 SQ FT)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	- 9"x9" Floor Tile and Mastic under 18" x 18" Floor Tile - Mastic Assumed
	Cementitious Coating over Fiberglass insulation and/or Cementitious Fittings (Indeterminate)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
Main Level, Room 104 Closet, Restroom	9"x9" Floor Tile & Mastic (Approx. 1,400 SQ FT)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	- 9"x9" Floor Tile and Mastic under 18" x 18" Floor Tile - Mastic Assumed
	Cementitious Coating over Fiberglass insulation and/or Cementitious Fittings (Approx. 2 - 4 Fittings)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
Main Level, Room 106, Closet, and short hallway to main hallway	9"x9" Floor Tile & Mastic (Approx. 40 SQ FT)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	- 9"x9" Floor Tile and Mastic under 18" x 18" Floor Tile - Mastic Assumed
	Cementitious Coating over Fiberglass insulation and/or Cementitious Fittings (Indeterminate)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
Main Level, Room 129	12"x12" Floor Tile & Mastic (Approx. 50 SQ FT)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	Mastic Assumed
	Cementitious Coating over Fiberglass insulation and/or Cementitious Fittings (Approx. 2 - 4 Fittings)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
Main Level, Commons Area	Cementitious Coating over Fiberglass insulation and/or Cementitious Fittings (Approx. 15 - 20 Fittings)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	5	3	5 - 6 damaged fitting
Main Level, Room 101, 107, 108, 109, 114, and 115	Cementitious Coating over Fiberglass insulation and/or Cementitious Fittings (Indeterminate)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	Room 101 - 1 damaged fitting Room 107 - 1 damaged fitting
Main Level, Boy's Restroom #1 and Girl's Restroom #1	Cementitious Coating over Fiberglass insulation and/or Cementitious Fittings (Approx. 4 - 6 Fittings)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
Main Level, Janitor's closet and chase	Cementitious Coating over Fiberglass insulation and/or Cementitious Fittings (Approx. 10 - 12 Fittings)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	

Information abstracted by: C. Notari & B. Tripp in November, 2019

Building Inspector's Certification No.: 027028-PA & 053975-PA

Friability: F = Friable, NF-1 = Non-Friable, NF-2 = Non-Friable

Assessment: G = Good, D = Damaged, SD = Significantly Damaged

AHERA Assessment / Hazard Rank / Removal Priority = See Attached Document, "RESPONSE ACTIONS BASED ON HAZARD RANKING"

HOMOGENEOUS SAMPLING CHART

Scranton School District

Building: Neil Armstrong Elementary School

Dates of Original AHERA Inspection: July, 1988

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HOMOGENEOUS SAMPLING MATERIAL		MATERIAL CATEGORY	ASBESTOS CONTENT	FRIABILITY	AHERA ASSESSMENT	AHERA HAZARD	AHERA REMOVAL PRIORITY	NOTES
MATERIAL LOCATION	MATERIAL DESCRIPTION							
Main Level, Main Hallway No.1 (Front of building)	Cementitious Coating over Fiberglass insulation and/or Cementitious Fittings (Approx. 35 - 45 Fittings)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
Main Level, Main Entrance	Cementitious Coating over Fiberglass insulation and/or Cementitious Fittings (Approx. 30 - 40 Fittings)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
Main Level, Main Office, Speech, and Conference Rooms	Cementitious Coating over Fiberglass insulation and/or Cementitious Fittings (Approx. 15 - 20 Fittings)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
Main Level, Principal's Office Closet	12"x12" Floor Tile & Mastic (Approx. 100 SQ FT)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	Mastic Assumed
Main Level, Medical Room 1 & 2, Storage, Restroom, and Copy Room	Cementitious Coating over Fiberglass insulation and/or Cementitious Fittings (Approx. 4 - 5 Fittings)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
Main Level, Seminar Room	Cementitious Coating over Fiberglass insulation and/or Cementitious Fittings (Approx. 1 - 2 Fittings)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
Main Level, Men's Restroom (Middel hallway near library)	Cementitious Coating over Fiberglass insulation and/or Cementitious Fittings (Approx. 2 - 4 Fittings)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
Main Level, Teachers Room	Cementitious Coating over Fiberglass insulation and/or Cementitious Fittings (Approx. 6 - 8 Fittings)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
Main Level, Internal structural support and Storage No.2	Cementitious Coating over Fiberglass insulation and/or Cementitious Fittings (Approx. 8 - 10 Fittings)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
Main Level, Hallway outside restrooms and Teachers Room	Cementitious Coating over Fiberglass insulation and/or Cementitious Fittings (Approx. 3 - 5 Fittings)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
Main Level, Library	Cementitious Coating over Fiberglass insulation and/or Cementitious Fittings (Approx. 8 - 10 Fittings)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
Main Level, Middle Hallway	Cementitious Coating over Fiberglass insulation and/or Cementitious Fittings (Approx. 50 - 60 Fittings)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	

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HOMOGENEOUS SAMPLING CHART

Scranton School District

Building: Neil Armstrong Elementary School

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HOMOGENEOUS SAMPLING MATERIAL		MATERIAL CATEGORY	ASBESTOS CONTENT	FRIABILITY	AHERA ASSESSMENT	AHERA HAZARD	AHERA REMOVAL PRIORITY	NOTES
MATERIAL LOCATION	MATERIAL DESCRIPTION							
Main Level, Rear Main Hallway No. 3 and Hallway outside Planetarium	Cementitious Coating over Fiberglass insulation and/or Cementitious Fittings (Approx. 55 - 65 Fittings)	TSI	Assumed	F	G	4	4	- 10 - 12 fittings that are wrapped in duct tape or damaged are to be removed. - 6 - 8 fittings water damaged next to janitor closet are to be removed - 1 fitting at top of steps to Maintenance office and 1 damaged fittings at exit sign in rear hallway are to be removed
		SURFACE	or	NF-1	D			
		Misc.	Analyzed	NF-2	SD			
Bathroom Chase / Janitors Closet	Cementitious Coating over Fiberglass insulation and/or Cementitious Fittings (Approx. 8 - 10 Fittings)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
Planetarium	Cementitious Coating over Fiberglass insulation and/or Cementitious Fittings (Approx. 8 - 10 Fittings)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
Main Level, Art Room No. 306	Cementitious Coating over Fiberglass insulation and/or Cementitious Fittings (Approx. 5 - 8 Fittings)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
	Lab Table Tops Kiln - Wiring and insulation associated with Kiln assumed	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
Main Level, Room 117	Lab Table Tops	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
Main Level, Room 117 & 119	9"x9" Floor Tile & Mastic (Approx. 2,044 SQ FT)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
Main Level, Rooms 116, 119, 120, 121, 127, 128	Cementitious Coating over Fiberglass insulation and/or Cementitious Fittings (Approx. 15 - 20 Fittings)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
Lower Level, Boiler Room	Flue Mud (Approx. 5 - 10 SQ FT)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
	Mastic Over Fiberglass Ends	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	

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HOMOGENEOUS SAMPLING CHART

Scranton School District

Building: Neil Armstrong Elementary School

Dates of Original AHERA Inspection: July, 1988

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HOMOGENEOUS SAMPLING MATERIAL		MATERIAL CATEGORY	ASBESTOS CONTENT	FRIABILITY	AHERA ASSESSMENT	AHERA HAZARD	AHERA REMOVAL PRIORITY	NOTES
MATERIAL LOCATION	MATERIAL DESCRIPTION							
Lower Level, Boiler Room	Boiler Gaskets (Indeterminate)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
Lower Level, Maintenance Office, Restroom, and Storage Room	12"x12" Floor Tile & Mastic (Approx. 300 SQ FT)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	- Remove / Replace missing or broken floor tile - Mastic Assumed
	Cementitious Coating over Fiberglass insulation and/or Cementitious Fittings (Approx. 5 - 8 Fittings)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
Lower Level, Cafeteria	Cementitious Coating over Fiberglass insulation and/or Cementitious Fittings (Approx. 7 - 10 Fittings)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
Lower Level, Cafeteria Restrooms	Cementitious Coating over Fiberglass insulation and/or Cementitious Fittings (Approx. 4 - 6 Fittings)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
Lower Level, Storage - 1A	Cementitious Coating over Fiberglass insulation and/or Cementitious Fittings (Approx. 8 - 10 Fittings)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	5	3	
Lower Level, Stage	Cementitious Coating over Fiberglass insulation and/or Cementitious Fittings (Approx. 15 - 20 Fittings)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	5	3	
Lower Level, Gym Office, PTA Supply, and PTA Hallway Office	Cementitious Coating over Fiberglass insulation and/or Cementitious Fittings (Approx. 6 - 8 Fittings)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	5	3	
Lower Level, Hallway "B"	Cementitious Coating over Fiberglass insulation and/or Cementitious Fittings (Approx. 20 - 25 Fittings)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	5	3	- Remove fittings wrapped in duct tape
Gymnasium	Cementitious Coating over Fiberglass insulation and/or Cementitious Fittings (Approx. 6 - 8 Fittings)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
Lower Level, Music Room (Former Gym Office) and Restrooms	12"x12" Floor Tile & Mastic (Approx. 390 - 400 SQ FT)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
	Cementitious Coating over Fiberglass insulation and/or Cementitious Fittings (Approx. 8 - 10 Fittings)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	

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HOMOGENEOUS SAMPLING CHART

Scranton School District

Building: Neil Armstrong Elementary School

Dates of Original AHERA Inspection: July, 1988

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HOMOGENEOUS SAMPLING MATERIAL		MATERIAL CATEGORY	ASBESTOS CONTENT	FRIABILITY	AHERA ASSESSMENT	AHERA HAZARD	AHERA REMOVAL PRIORITY	NOTES
MATERIAL LOCATION	MATERIAL DESCRIPTION							
Throughout Building	Mastic Behind Chalkboards, wallboards, etc.	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
	Sink Coating on Exterior Base of Sinks	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
	Ductwork Flex Connections (Indeterminate)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
	Exterior Window Glazing (Indeterminate)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	1	7	
	Exterior Door Caulking (Indeterminate)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
	Exterior Expansion Joint Caulk (Indeterminate)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
	Vapor Barriers (Indeterminate)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
	Gaskets on Boilers (Indeterminate)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
	Electrical wiring insulation (Indeterminate)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	N/A	N/A	- No access at time of inspection
	Pipe and/or pipe fitting insulation in wall cavities (Indeterminate)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	N/A	N/A	- No access at time of inspection
Outside of Building	Exterior Cementitious Wall Panels (Indeterminate)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	

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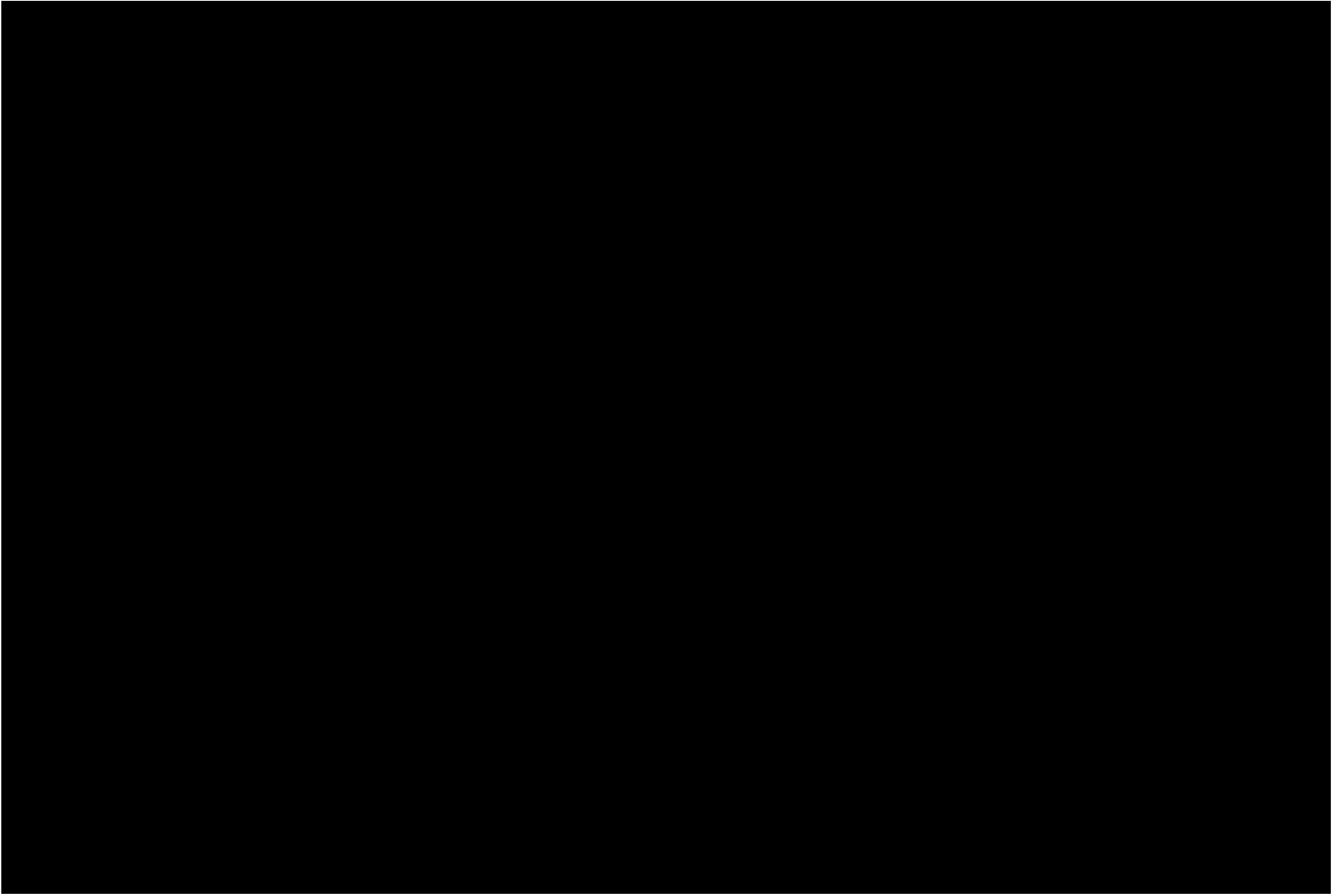
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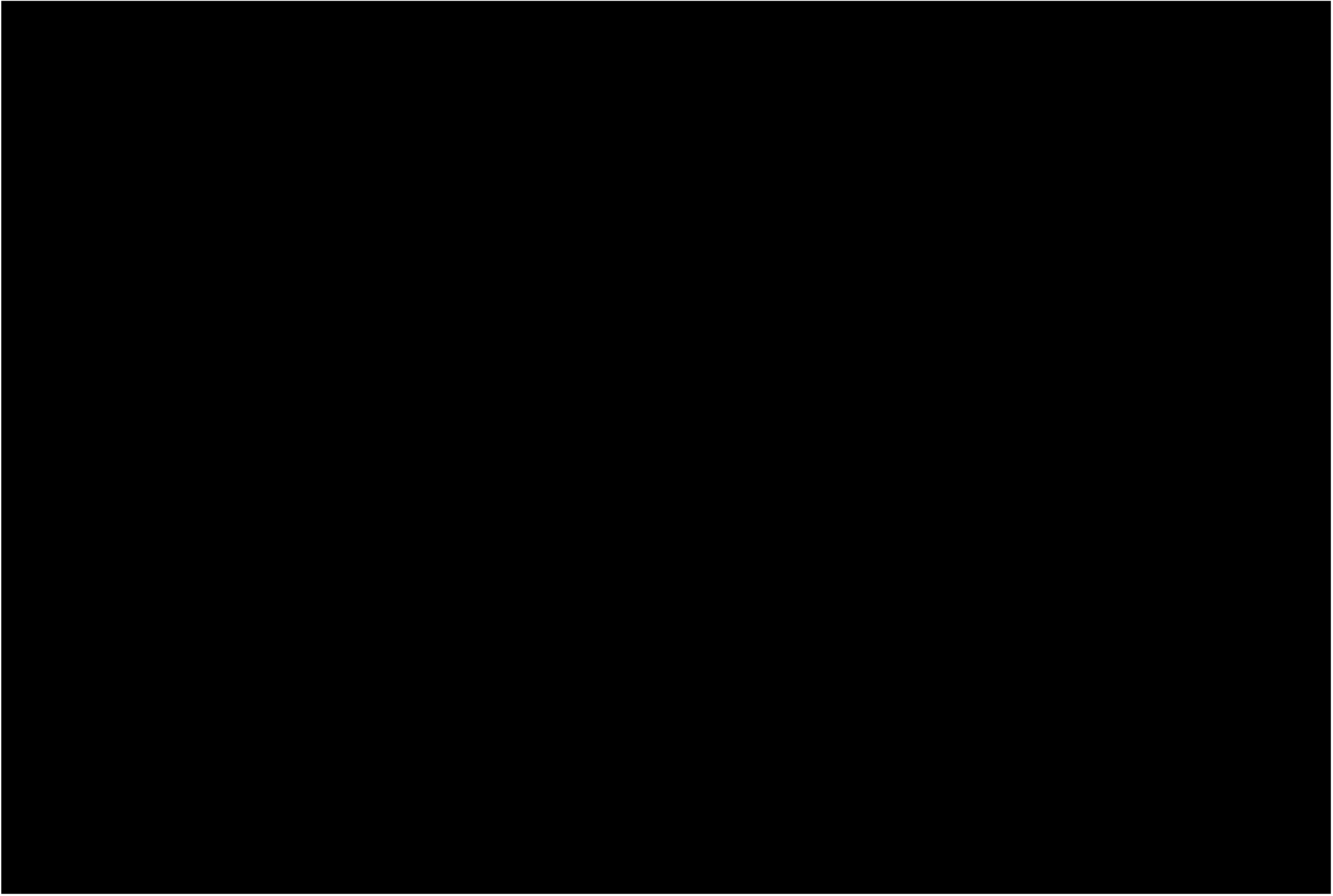
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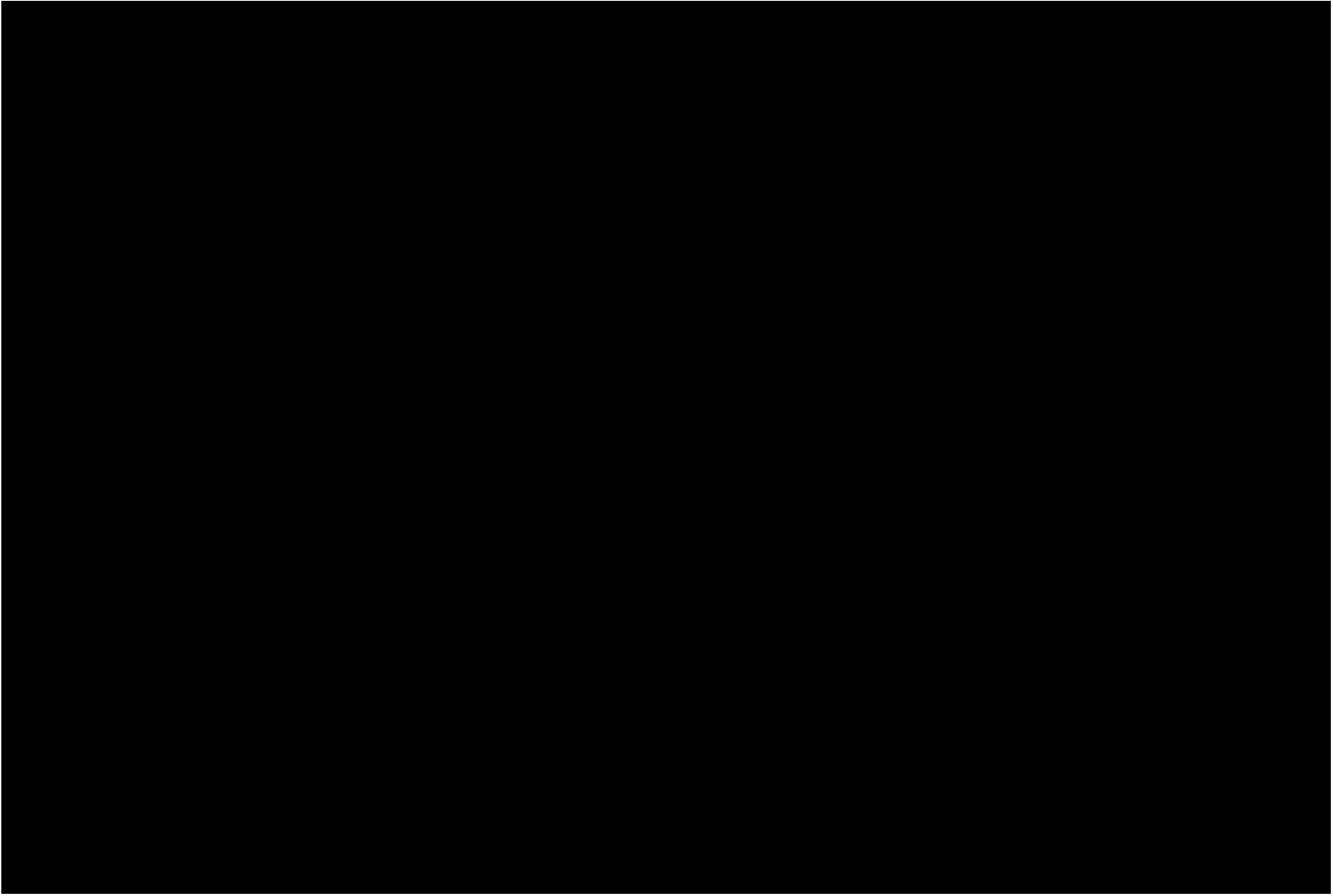
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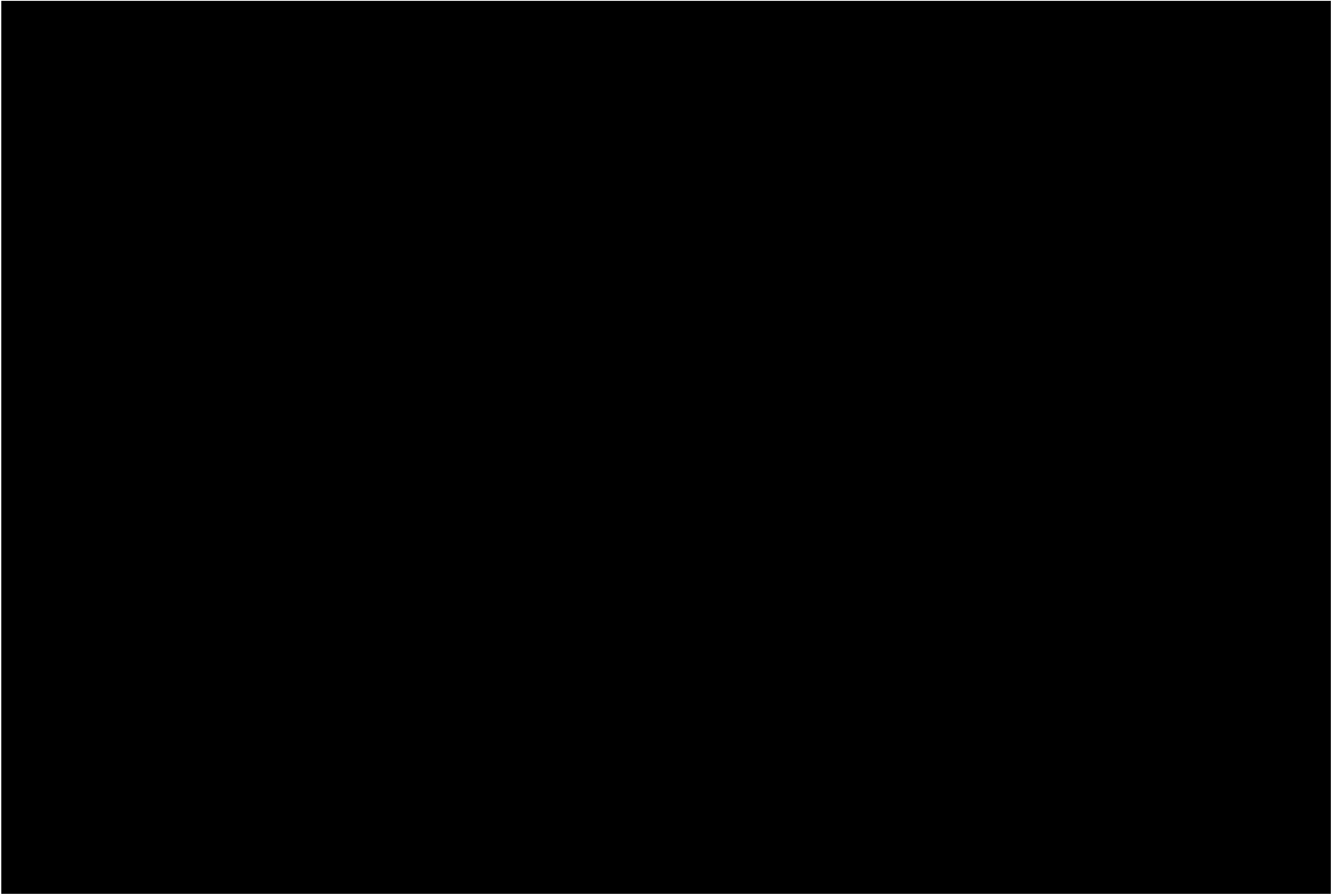
RESPONSE ACTIONS BASED ON HAZARD RANK

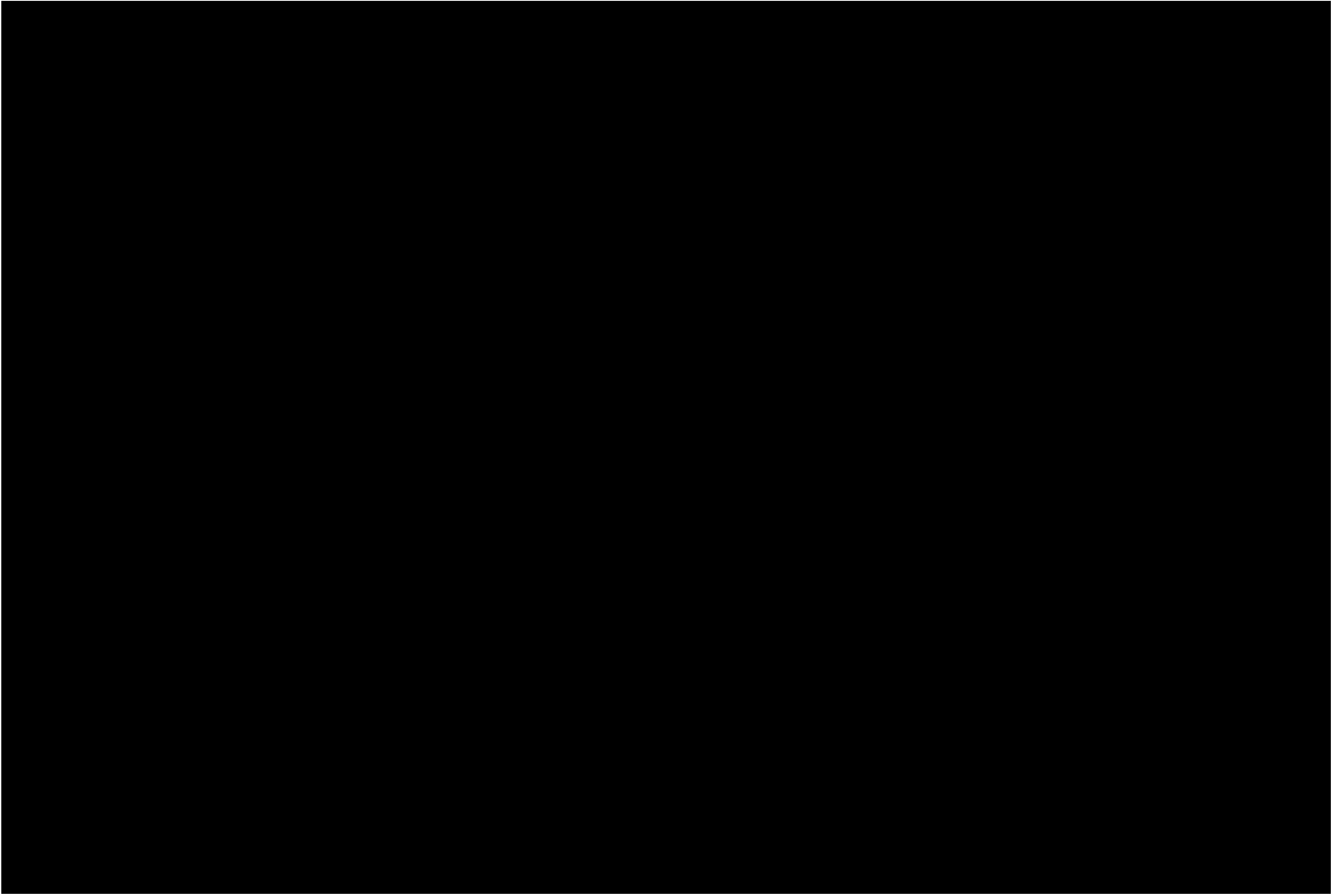
HAZARD RANK	REMOVAL PRIORITY	AHERA CATEGORIES	RESPONSE ACTIONS REQUIRED BY AHERA
7	1	Significantly Damaged	Evacuate or restrict the area if needed. Remove the ACBM (or enclose or encapsulate it if sufficient to contain fibers). Repair of T.S.I. allowed if feasible and safe. O&M required for all ACBM.
6	2	Damaged with Potential for Significant Damaged	Evacuate or restrict the area if needed. Remove, enclose, encapsulate, or repair to correct damage. Take steps to reduce potential for disturbance. O&M required for all ACBM.
5	3	Damaged with Potential for Damage	Remove, enclose, encapsulate, or repair to correct damage. O&M required for all ACBM.
4	4	Damaged with Low Potential for Damage	Remove, enclose, encapsulate, or repair to correct damage. O&M required for all ACBM.
3	5	Good with Potential for Significant Damage	Evacuate or restrict the area if needed. Take steps to reduce potential for disturbance. O&M required for all ACBM.
2	6	Good with Potential For Damage	O&M required for all ACBM. Take steps to reduce potential for damage.
1	7	Good with Low Potential for Disturbance	O&M required for all ACBM

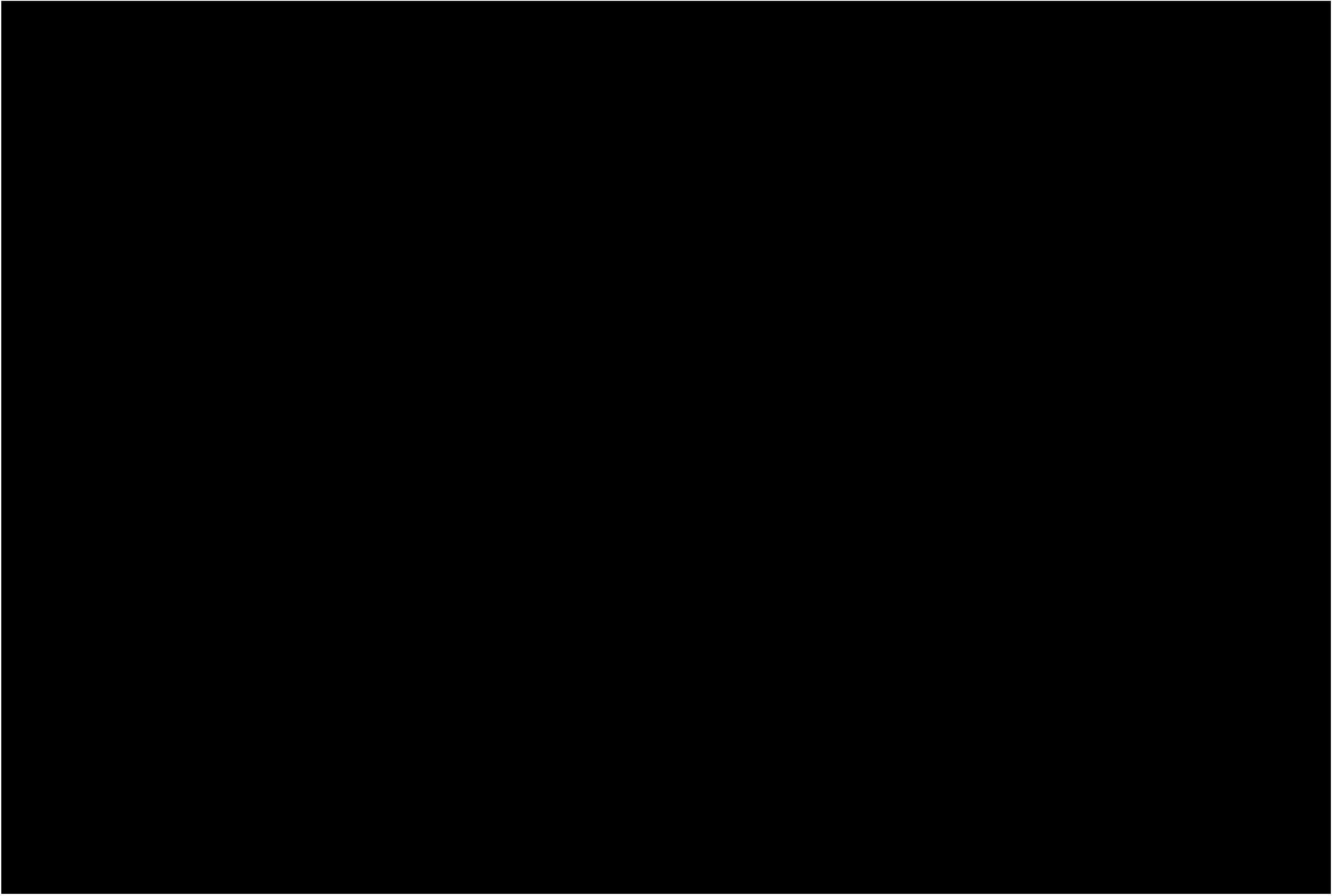












APPENDIX B

TEST RESULTS FOR SUSPECTED ASBESTOS-CONTAINING MATERIALS:

2016 LABORATORY REPORT

2016 CHAIN OF CUSTODY

2019 LABORATORY REPORT

2019 CHAIN OF CUSTODY



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Tel/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com> / cinnaslab@EMSL.com

EMSL Order: 041624251

Customer ID: CLAG50

Customer PO: 082916

Project ID:

Attention: Joseph Guzek

Guzek Associates, Inc.

401 Davis Street

Clarks Summit, PA 18411

Phone: (570) 586-9700

Fax: (570) 586-6728

Received Date: 08/30/2016 10:15 AM

Analysis Date: 09/07/2016

Collected Date: 08/25/2016

Project: Armstrong

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
01W 041624251-0001	Room 102 - Plaster White Layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
02B 041624251-0002	Room 102 - Plaster Base Layer	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
03 041624251-0003	Room 129 - Coating over FG Fittings	Brown/White Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (Other)	None Detected
04 041624251-0004	Room 130 - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
05 041624251-0005	Room 130 - Sheetrock	Brown/White Fibrous Homogeneous	20% Cellulose 5% Glass	75% Non-fibrous (Other)	None Detected
06 041624251-0006	Commons Area - Coating over FG Fittings	White Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
07 041624251-0007	Room 105 Exterior - Window Glaze	Gray Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
08W 041624251-0008	Room 107 - Plaster White Layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
09B 041624251-0009	Room 107 - Plaster Base Layer	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
10 041624251-0010	Room 107 - Coating over FG Fitting	White/Yellow Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
11 041624251-0011	Room 129 - Sheetrock	White Fibrous Homogeneous	10% Cellulose 5% Glass	85% Non-fibrous (Other)	None Detected
12 041624251-0012	Room 129 - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
13 041624251-0013	Room 108 - Sheetrock under Plaster	Brown/White Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
14W 041624251-0014	Room 108 - Plaster White Layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
15B 041624251-0015	Room 108 - Plaster Base Layer	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
16 041624251-0016	Janitor's Closet - Sheetrock	Brown/White Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected

Initial report from: 09/07/2016 10:17:01



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Tel/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com> / cinnasblab@EMSL.com

EMSL Order: 041624251

Customer ID: CLAG50

Customer PO: 082916

Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
17W 041624251-0017	Janitor's Closet - Plaster White Layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
18B 041624251-0018	Janitor's Closet - Plaster Base Layer	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
19 041624251-0019	Mail Hallway #1 - Coating over FG Fitting	White Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
20 041624251-0020	Med #1 Exterior - Window Glaze	Gray Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
21W 041624251-0021	Library - Plaste White Layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
22B 041624251-0022	Library - Plaste Base Layer	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
23 041624251-0023	Room 117 - Floor Leveler	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
24 041624251-0024	Room 119 - Sheetrock	Brown/Gray Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
25W 041624251-0025	Room 119 - Plaster White Layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
26B 041624251-0026	Room 119 - Plaster Base Layer	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
27 041624251-0027	Room 119 - Floor Leveler	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
28W 041624251-0028	Room 128 - Plaster White Layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
29B 041624251-0029	Room 128 - Plaster Base Layer	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
30 041624251-0030	Plantearium - Floor Leveler	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
31 041624251-0031	Boiler Room - Mastic over FG Ends	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
32 041624251-0032	Boiler Room - Plaster Ceiling	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
33 041624251-0033	Boiler Room - Plaster Ceiling	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
34 041624251-0034	Boiler Room - Flue Mud	White Fibrous Homogeneous		80% Non-fibrous (Other)	20% Chrysotile
35 041624251-0035	Cafeteria - Mastic over FG Fitting	White Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile

Initial report from: 09/07/2016 10:17:01



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Tel/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com> / cinnasblab@EMSL.com

EMSL Order: 041624251

Customer ID: CLAG50

Customer PO: 082916

Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
36W 041624251-0036	Cafeteria - Plaster White Layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
37B 041624251-0037	Cafeteria - Plaster Base Layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
38 041624251-0038	Gym Office - Floor Leveler	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
39W 041624251-0039	Exterior- Boiler Room - Plaster Ceiling White Layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
40B 041624251-0040	Exterior- Boiler Room - Plaster Ceiling Base Layer	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
41 041624251-0041	Exterior- Boiler Room - Door Caulking	White Fibrous Homogeneous		92% Non-fibrous (Other)	8% Chrysotile
42 041624251-0042	Exterior- Open Area Under School - Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
43W 041624251-0043	Exterior- Open Area Under School - Plaster White Layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
44B 041624251-0044	Exterior- Open Area Under School - Plaster Base Layer	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
45 041624251-0045	Exterior - Window Glaze (soft brown)	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
46 041624251-0046	Exterior - Window Caulking (soft brown)	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
47 041624251-0047	Exterior - Window Caulking	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48 041624251-0048	Exterior - Caulk on Metal Panels	Silver Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
49 041624251-0049	Exterior - Ceiling on Arches	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
50 041624251-0050	Exterior- Rear of Building - Expansion Joint Caulk	White Non-Fibrous Homogeneous		93% Non-fibrous (Other)	7% Chrysotile
51 041624251-0051	Exterior - Door Caulk	Gray/White Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
52 041624251-0052	Exterior - Expansion Joint Caulk (brick)	Brown/Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 09/07/2016 10:17:01



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Tel/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com> / cinnasblab@EMSL.com

EMSL Order: 041624251

Customer ID: CLAG50

Customer PO: 082916

Project ID:

Analyst(s)

Alexis Kum (47)

Juli Patel (5)

Benjamin Ellis, Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, A HA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from: 09/07/2016 10:17:01

EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only)

Cinnaminson, NJ 08077

1-800-220-3675

(856) 786-5974

041624251

Company Name : Guzek Associates, Inc.		EMSL Customer ID:	
Street: 401 Davis Street		City: Clarks Summit	State/Province: PA
Zip/Postal Code: 18411	Country: US	Telephone #: 570-586-9700	Fax #: 570-586-6728
Report To (Name): Joseph Guzekl		Please Provide Results: ☐ Fax ☒ Email	
Email Address: guzekassoc@aol.com		Purchase Order: 082916	
Project Name/Number: Armstrong		EMSL Project ID (Internal Use Only):	
U.S. State Samples Taken: PA		CT Samples: ☐ Commercial/Taxable ☐ Residential/Tax Exempt	
EMSL-Bill to: ☐ Same ☒ Different - If Bill to is Different note instructions in Comments** Third Party Billing requires written authorization from third party			
Turnaround Time (TAT) Options* - Please Check			
☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☒ 1 Week ☐ 2 Week			
*For TEM Air 3 hr through 6 hr, please call ahead to schedule *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.			
PCM - Air ☐ Check if samples are from NY ☐ NIOSH 7400 ☐ w/ OSHA 8hr TWA PLM - Bulk (reporting limit) ☒ PLM EPA 600/R-93/116 (<1%) ☐ PLM EPA NOB (<1%) Point Count ☐ 400 (<0.25%) ☐ 1000 (<0.1%) Point Count w/Gravimetric ☐ 400 (<0.25%) ☐ 1000 (<0.1%) ☐ NYS 198.1 (friable in NY) ☐ NYS 198.6 NOB (non-friable-NY) ☐ NYS 198.8 SOF-V ☐ NIOSH 9002 (<1%)		TEM - Air ☐ 4-4.5hr TAT (AHERA only) ☐ AHERA 40 CFR, Part 763 ☐ NIOSH 7402 ☐ EPA Level II ☐ ISO 10312 TEM - Bulk ☐ TEM EPA NOB ☐ NYS NOB 198.4 (non-friable-NY) ☐ Chatfield SOP ☐ TEM Mass Analysis-EPA 600 sec. 2.5 TEM - Water: EPA 100.2 Fibers >10µm ☐ Waste ☐ Drinking All Fiber Sizes ☐ Waste ☐ Drinking	
TEM - Dust ☐ Microvac - ASTM D 5755 ☐ Wipe - ASTM D6480 ☐ Carpet Sonication (EPA 600/J-93/167)		Soil/Rock/Vermiculite ☐ PLM EPA 600/R-93/116 with milling prep (<1%) ☐ PLM EPA 600/R-93/116 with milling prep (<0.25%) ☐ TEM EPA 600/R-93/116 with milling prep (<0.1%) ☐ TEM Qualitative via Filtration Prep ☐ TEM Qualitative via Drop Mount Prep ☐ Cincinnati Method EPA 600/R-04/04 - TEM/TEM (BC only) Other:	
☐ Check For Positive Stop - Clearly Identify Homogenous Group		Filter Pore Size (Air Samples): ☐ 0.8µm ☐ 0.45µm	
Samplers Name: Chris Notari, Gary Marshall, Brent Tripp		Samplers Signature:	
Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
01W	Rm 102 Plaster white layer	Bulk	8/25/16
02B	Rm 102 Plaster base layer		
03	Rm 129 Coating Over FG fittings		
04	Rm 130 joint compound		
05	Rm 130 sheetrock		
Client Sample # (s): 01 - 52		Total # of Samples: 52	
Relinquished (Client): <i>Chris Notari</i>		Date: 8/29/16 Time: <i>10:15</i>	
Received (Lab): <i>Bob. enal R</i>		Date: 8/30/16 Time: <i>10:15</i>	
Comments/Special Instructions:			



EMSL ANALYTICAL, INC.
ENVIRONMENTAL & INDUSTRIAL
LABORATORY - PRODUCT TESTING

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

041624251

Cinnaminson, NJ 08077

1-800-220-3675
(856) 786-5974

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
06	Commons Area - Coating over FG fittings	Bulk	8/28/16
07	Rm 105 Exterior Window glaze		
08W	Rm 107 Plaster white layer		
09B	Rm 107 Plaster base layer		
10	Rm 107 Coating over FG fitting		
11	Rm 129 sheetrock		
12	Rm 129 joint compound		
13	Rm 108 sheetrock under plaster		
14W	Rm 108 Plaster white layer		
15B	Rm 108 Plaster base layer		
16	Janitors Closet sheetrock		
17W	Janitors Closet Plaster white layer		
18B	Janitors Closet Plaster base layer		
19	Mail Hallway #1 Coating over FG fitting		
20	Med #1 exterior window glaze		
21W	Library Plaster white layer		
22B	Library Plaster base layer		
23	Rm 117 Floor leveler		
24	Rm 119 Sheetrock		
25W	Rm 119 Plaster white layer		
26B	Rm 119 Plaster base layer		
27	Rm 119 Floor leveler		
28W	Rm 128 Plaster white layer		

16 AUG 30 AM 11:07
CINNAMINSON, NJ

*Comments/Special Instructions:



EMSL ANALYTICAL, INC
ENVIRONMENTAL LABORATORY PRODUCTS - TRAINING

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

041624251

Cinnaminson, NJ 08077

1-800-220-3675

(856) 786-5974

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
29B	Rm 128 Plaster base layer	Bulk	8/25/16
30	Planetarium floor leveler		
31	Boiler Rm Mastic over FG ends		
32	Boiler Rm Plaster ceiling		
33	Boiler Rm Plaster ceiling		
34	Boiler Rm Flue Mud		
35	Cafeteria Mastic over FG fitting		8/29/16
36W	Cafeteria Plaster white layer		
37B	Cafeteria Plaster base layer		
38	Gym Office Floor leveler		
39W	Exterior - Boiler Rm Plaster ceiling white layer		
40B	Exterior - Boiler Rm Plaster ceiling base layer		
41	Exterior Boiler Rm Door caulking		
42	Ext. Open Area Under School - plaster		
43W	Ext. Open Area Under School - plaster white layer		
44B	Ext. Open Area Under School - plaster base layer		
45	Ext. Window glazing (soft brown)		
46	Ext. Window caulking (soft brown)		
47	Ext. Window caulking		
48	Ext. Caulk on metal panels		
49	Ext. Ceiling on Arches		
50	Ext. Rear of Building Expansion Joint caulk		
51	Ext. Door caulk		
Comments/Special Instructions: 52 Ext. Expansion joint caulk (Brick)			

16 AUG 30 AM 11:07
CINNAMINSON, NJ
EMSL



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Tel/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com> / cinnasblab@EMSL.com

EMSL Order: 041935659

Customer ID: CLAG50

Customer PO:

Project ID:

Attention: Chris Notari

Guzek Associates, Inc.

401 Davis Street

Clarks Summit, PA 18411

Phone: (570) 586-9700

Fax: (570) 586-6728

Received Date: 12/14/2019 10:30 AM

Analysis Date: 12/19/2019

Collected Date: 12/12/2019

Project: SSD 19_751 Neil Armstrong

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
01T 041935659-0001	Room 114 - Light Grey 18"x18" Floor Tile	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
02M 041935659-0002	Room 114 - Mastic	Yellow/Green Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
03T 041935659-0003	Room 110 - Blue 12"x12" Floor Tile	Blue Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04M 041935659-0004	Room 110 - Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
05T 041935659-0005	Room 103 - Grey Purple 18"x18" Floor Tile	Gray/Purple Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
06M 041935659-0006	Room 103 - Mastic	Yellow/Green Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
07T 041935659-0007	Room 116 - Dark Grey 18"x18" Floor Tile	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
08M 041935659-0008	Room 116 - Mastic	Yellow/Green Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
09T 041935659-0009	Room 125 - Dark Grey 18"x18" Floor Tile	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
10M 041935659-0010	Room 125 - Mastic	Yellow/Green Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
11T 041935659-0011	Teachers Lounge - Grey Purple 18"x18" Floor Tile	Gray/Purple Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
12M 041935659-0012	Teachers Lounge - Mastic	Yellow/Green Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
13T 041935659-0013	Room 113 - Blue 12" 12" Floor Tile	Blue Non Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
14M 041935659-0014	Room 113 - Mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
15T 041935659-0015	Room 114 - Light Grey 18"x18" Floor Tile	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
16M 041935659-0016	Room 114 - Mastic	Yellow/Green Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 12/19/2019 12:03:29



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

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<http://www.EMSL.com> / cinnasblab@EMSL.com

EMSL Order: 041935659

Customer ID: CLAG50

Customer PO:

Project ID:

Analyst(s)

Erica Valent (16)

Samantha Rundstrom, Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method"), but augmented with procedures outlined in the 1993 ("final") version of the method. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. All samples received in acceptable condition unless otherwise noted. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. EMSL recommends gravimetric reduction for all non-friable organically bound materials prior to analysis. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, A HA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367, LA #04127

Initial report from: 12/19/2019 12:03:29

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (Lab Use Only):

041935659

 EMSL ANALYTICAL, INC.
 200 ROUTE 130 NORTH
 CINNAMINSON, NJ 08077
 PHONE: (800) 220-3675
 FAX: (856) 786-5974

Company: Guzek Associates, Inc.		EMSL-Bill to: ☒ Same ☐ Different If Bill to is Different note instructions in Comments**	
Street: 401 Davis Street		Third Party Billing requires written authorization from third party	
City: Clarks Summit	State/Province: PA	Zip/Postal Code: 18411	Country: USA
Report To (Name): Chris Notari		Telephone #: 570-586-9700	
Email Address: guzekassoc@aol.com		Fax #:	Purchase Order:
Project Name/Number: SSD 19_751 Neil Armstrong		Please Provide Results: ☐ Fax ☒ Email	
U.S. State Samples Taken: PA		CT Samples: ☐ Commercial/Taxable ☐ Residential/Tax Exempt	
Turnaround Time (TAT) Options* – Please Check			
☐ 3 Hour	☐ 6 Hour	☐ 24 Hour	☐ 48 Hour
☐ 72 Hour	☒ 96 Hour	☐ 1 Week	☐ 2 Week
*For TEM Air 3 hr through 6 hr, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.			
PLM - Bulk (reporting limit)		TEM - Bulk	
☒ PLM EPA 600/R-93/116 (<1%)		☐ TEM EPA NOB – EPA 600/R-93/116 Section 2.5.5	
☐ PLM EPA NOB (<1%)		☐ NY ELAP Method 198.4 (TEM)	
Point Count ☐ 400 (<0.25%) ☐ 1000 (<0.1%)		☐ Chatfield Protocol (semi-quantitative)	
Point Count w/Gravimetric ☐ 400 (<0.25%) ☐ 1000 (<0.1%)		☐ TEM % by Mass – EPA 600/R-93/116 Section 2.5.5.2	
☐ NIOSH 9002 (<1%)		☐ TEM Qualitative via Filtration Prep Technique	
☐ NY ELAP Method 198.1 (friable in NY)		☐ TEM Qualitative via Drop Mount Prep Technique	
☐ NY ELAP Method 198.6 NOB (non-friable-NY)		Other	
☐ OSHA ID-191 Modified		☐	
☐ Standard Addition Method			
☐ Check For Positive Stop – Clearly Identify Homogenous Group		Date Sampled: 12/12/2019	
Samplers Name: Brent Tripp / Chris Notari		Samplers Signature: <i>Brent Tripp</i>	
Sample #	HA #	Sample Location	Material Description
01T		Room 114	Light Grey 18" x 18" floor tile
02M		Room 114	Mastic
03T		Room 110	Blue 12" x 12" floor tile
04M		Room 110	Mastic
05T		Room 103	Grey Purple 18" x 18" floor tile
06M		Room 103	Mastic
07T		Room 116	Dark Grey 18" x 18" floor tile
08M		Room 116	Mastic
09T		Room 125	Dark Grey 18" x 18" floor tile
10M		Room 125	Mastic
Client Sample # (s): 1 thru 16		Total # of Samples: 16	
Relinquished (Client): <i>Brent Tripp</i>		Date: 12/12/2019	Time: 3:00 pm
Received (Lab): <i>DRB-EX</i>		Date: 12-14-19	Time: 1030A
Comments/Special Instructions:			

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