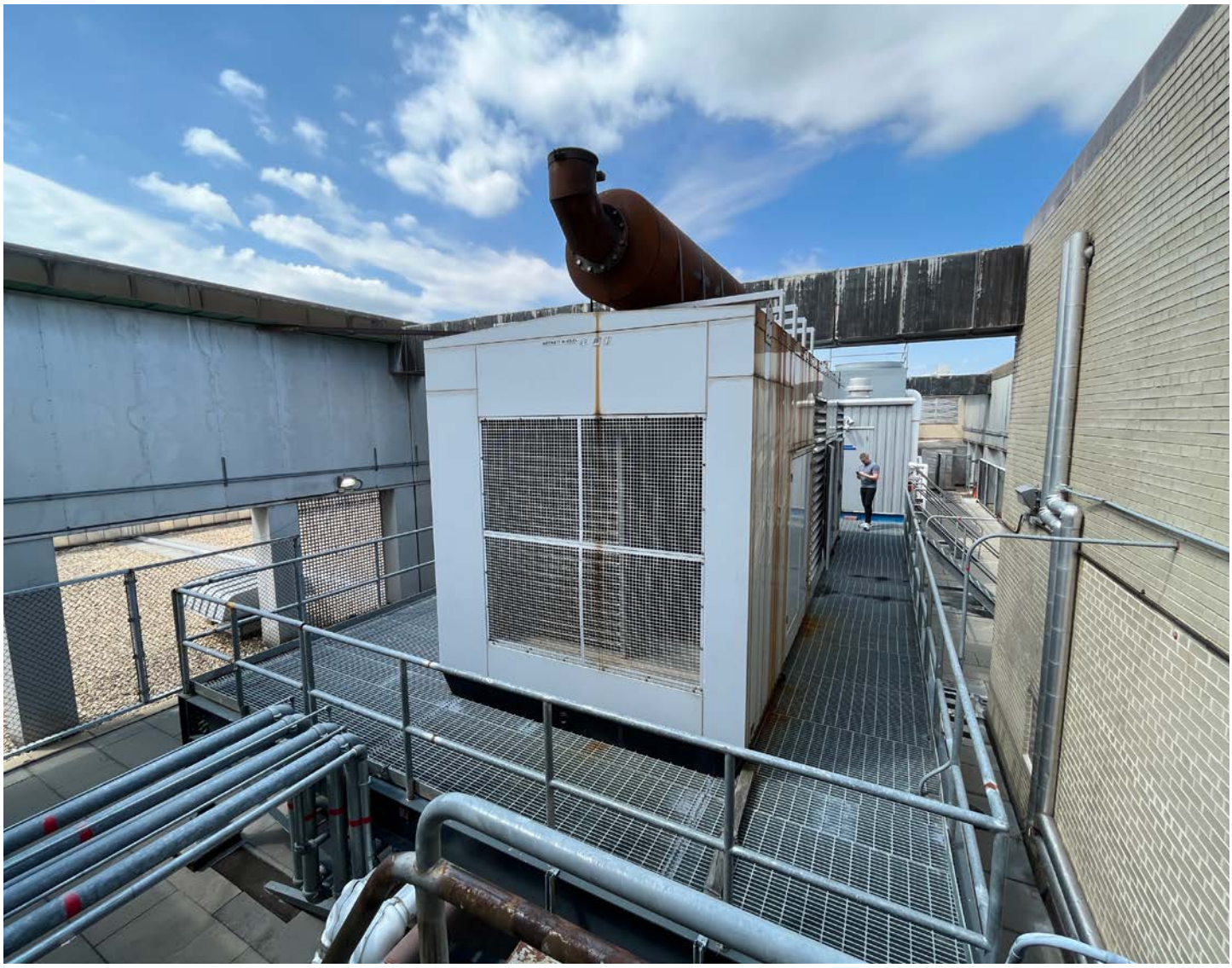
Smithsonian Institution
National Museum of American History

Project #1803117
Install Emergency Generator

100% CONSTRUCTION DOCUMENTS SPECIFICATIONS
APPENDIX A - HAZMAT REPORTS DEC 1, 2025



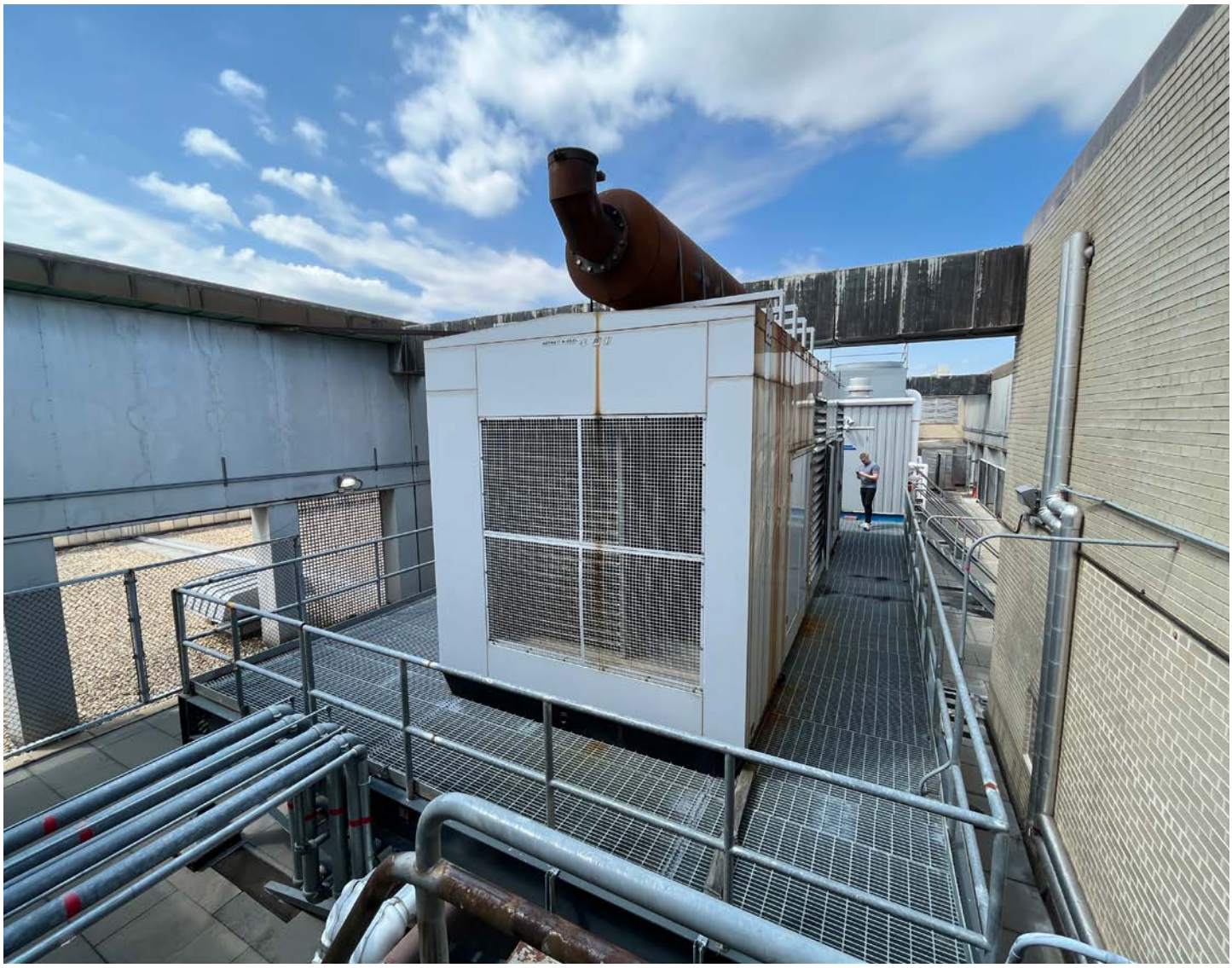
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Smithsonian Institution
National Museum of American History

Project #1803117
Install Emergency Generator

100% CONSTRUCTION DOCUMENTS AM&A BULK SAMPLING AND PLM REPORT (DATED JUNE 16, 2009) DEC 1, 2025



Smithsonian Institution

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Aerosol Monitoring & Analysis, Inc.

Environmental Consultants

June 16, 2009

Mr. Jesse Cox, Jr., Branch Chief
OFEO-OFMR Life Safety
National Museum of Natural History
Smithsonian Institution-MRC-132
10th Street & Constitution Avenue, NW, RM #EG-7
Washington, D.C. 20004

Re: Bulk sampling and polarized light microscopy (PLM) analysis of suspect asbestos containing materials (client selected) at the Smithsonian Institution National Museum of American History, 14th Street and Constitution Avenue, NW, Washington, D.C.

Bldg: **National Museum of American History (Bldg #031)**

AMA Job #: 08375-7

Dear Mr. Cox,

Between May 12th and June 8th, 2009, Aerosol Monitoring & Analysis, Inc. (AMA), conducted bulk sampling of suspect asbestos materials at the request of the Smithsonian Institution. Mrs. Brooke Wilt and Mr. Korey Rubeling conducted the sampling in order to determine the asbestos content of materials not previously sampled or materials needing confirmation regarding asbestos content. Mrs. Wilt and Mr. Rubeling are Environmental Protection Agency (EPA) accredited Asbestos Inspectors.

While on-site, AMA collected a total of sixty-one (61) bulk samples. Mrs. Wilt and Mr. Rubeling collected bulk samples of: ***Drywall joint compound, Cementitious duct mastic, Cementitious material on beam bottoms (rough and smooth), Residual mudded fitting material, White pipe seam sealant on paper, white pipe seam sealant on canvas, White duct seam sealant on foil duct, White duct seam sealant on paper, White duct seam sealant on canvas, Red duct seam sealant on metal, Brown duct seam sealant on metal, Grey duct seam sealant on metal, Green duct seam sealant on metal, Black duct seam sealant on foil, Green pin mastic, brown baseboard mastic, and black mixing chamber mastic.*** No other materials were included in the sampling conducted by AMA.

The samples were collected with a core borer, metal spatula, or χ-acto knife, which was driven through the suspect material to the substrate so as to obtain a sample containing all discrete layers. Each sample location was encapsulated with fiberlock fiber spray and duct tape. The samples were then placed in "whirl-pak" bags and assigned unique identifiers that were recorded on the bag and the bulk survey sampling sheets.

Samples were submitted to AMA Analytical Services, Inc. in Lanham, Maryland. Samples of bulk material were analyzed using PLM following the EPA Method 600/R-93/116. PLM is an optical microscopic technique used to distinguish the different types of asbestos fibers by their shape and unique optical properties. The technique is based on observing the refraction of light from the various crystalline asbestos structures and identifying the corresponding color changes through the microscope. Analytical results of greater than 1% asbestos classify a material as asbestos containing according to the EPA.

AMA Analytical Services, Inc. is a participant in the U.S. Department of Commerce, National Institute of Standards and Technology through the National Voluntary Laboratory Accreditation Program (NVLAP) for Bulk Asbestos Analysis, NVLAP No. 101143 and accreditation by the American Industrial Hygiene Association (#8863).

Based on the laboratory results, three (3) of the sixty-one (61) samples collected contained >1% asbestos. The following materials were then identified as ACMs: Drywall joint compound on exterior of loading dock office, black duct seam sealant on foil, and residual mudded fitting material*. All other samples were observed to have no asbestos detected (NAD).

*This sample was collected per the request of Smithsonian Personnel as a confirmation sample after concern over debris found in 4604.

Enclosed, please find copies of the, bulk sampling sheets with locations, laboratory certificate of analysis, and the chain of custody. If you should have any questions regarding this report, please contact our office at (410) 684-3327.

Sincerely,

Gary L. Urban, CHMM
Vice President, Consulting Services

National Museum of American History
Smithsonian Institution Building 031
Bulk Sample Table
May 12th Through June 8, 2009

Sample Number	Material	Location	Result (%)
May 12, 2009			
08375-7 0512 01	Drywall joint compound	Area 1051, 1st Floor	No Asbestos Detected
08375-7 0512 02	Drywall joint compound	Area 1051, 1st Floor	No Asbestos Detected
08375-7 0512 03	Drywall joint compound	Area 1051, 1st Floor	No Asbestos Detected
08375-7 0512 04	Drywall joint compound	Area 1051, 1st Floor	No Asbestos Detected
May 13, 2009			
08375-7 0513 01	Brown duct seam sealant on metal	Area AB038, Basement	No Asbestos Detected
08375-7 0513 02	Green duct seam sealant on metal	Area AB038, Basement	No Asbestos Detected
08375-7 0513 03	White duct seam sealant on canvas	Area AB038, Basement	No Asbestos Detected
08375-7 0513 04	White pipe seam sealant on paper	Area AB038, Basement	No Asbestos Detected
08375-7 0513 05	White pipe seam sealant on canvas	Area AB038, Basement	No Asbestos Detected
08375-7 0513 06	**Drywall joint compound**	**Basement, loading dock, exterior office**	**2% Chrysotile**
08375-7 0513 07	Drywall joint compound	Area B20, Basement	No Asbestos Detected
08375-7 0513 08	Drywall joint compound	Area CB060B, Basement	No Asbestos Detected
08375-7 0513 09	Grey duct seam sealant on metal	Area B000M8, Basement	No Asbestos Detected
08375-7 0513 10	White duct seam sealant on paper	Area B000M8, Basement	No Asbestos Detected
08375-7 0513 11	Black mixing chamber batting mastic	Area B000M8, Basement	No Asbestos Detected
08375-7 0513 12	Brown baseboard mastic	Area B000M8, Basement	No Asbestos Detected
08375-7 0513 13	Drywall joint compound	Gallery 1041, 1st Floor	No Asbestos Detected

National Museum of American History
Smithsonian Institution Building 031
Bulk Sample Table
May 12th Through June 8, 2009

Sample Number	Material	Location	Result (%)
08375-7 0513 14	Drywall joint compound	Area 1015B, 1st Floor, above ceiling tile	No Asbestos Detected
08375-7 0513 15	Red duct seam sealant on metal	Area 1015B, 1st Floor, above ceiling tile	No Asbestos Detected
08375-7 0513 16	**Black duct seam sealant on foil**	**Area 1051, 1st Floor**	**3% Chrysotile**
08375-7 0513 17	Drywall joint compound	Area 2000, 2nd Floor	No Asbestos Detected
08375-7 0513 18	Drywall joint compound	Area 3009, 3rd Floor	No Asbestos Detected
08375-7 0513 19	White pipe seam sealant on paper	Area 4000M2, 4th Floor	No Asbestos Detected
08375-7 0513 20	Brown duct seam sealant on metal	Area 4000M2, 4th Floor	No Asbestos Detected
08375-7 0513 21	Grey duct seam sealant on metal	Area 4000M2, 4th Floor	No Asbestos Detected
08375-7 0513 22	Black mixing chamber batting mastic	Area 4000M2, 4th Floor	No Asbestos Detected
08375-7 0513 23	White pipe seam sealant on paper	Area 4000M3, 4th Floor	No Asbestos Detected
08375-7 0513 24	Green pin mastic on foil duct	Area 4000M3, 4th Floor	No Asbestos Detected
May 14, 2009			
08375-7 0513 25	Green duct seam sealant on metal	Mechanical room M1, 4th Floor	No Asbestos Detected
08375-7 0513 26	White pipe seam sealant on canvas	Mechanical room M1, 4th Floor	No Asbestos Detected
08375-7 0513 27	Red duct seam sealant on metal	Mechanical room M4, 4th Floor	No Asbestos Detected
08375-7 0513 28	Brown duct seam sealant on metal	Mechanical room M4, 4th Floor	No Asbestos Detected
08375-7 0513 29	White duct seam sealant on canvas	Mechanical room M4, 4th Floor	No Asbestos Detected
08375-7 0513 30	White pipe seam sealant on canvas	Mechanical room M4, 4th Floor	No Asbestos Detected
08375-7 0513 31	Cementitious duct insulation	Area 5057, 5th Floor	No Asbestos Detected
08375-7 0513 32	Cementitious duct insulation	Area 5601, 5th Floor	No Asbestos Detected

National Museum of American History
Smithsonian Institution Building 031
Bulk Sample Table
May 12th Through June 8, 2009

Sample Number	Material	Location	Result (%)
08375-7 0513 33	Cementitious duct insulation	Area MBB060, Basement	No Asbestos Detected
08375-7 0513 34	Brown baseboard mastic	Area MB0003, Basement	No Asbestos Detected
08375-7 0513 35	White duct seam sealant on foil	Area CB060B, Basement above ceiling deck	No Asbestos Detected
08375-7 0513 36	White duct seam sealant on foil	Area CB000C4, Basement above ceiling deck	No Asbestos Detected
08375-7 0513 37	Red duct seam sealant on metal	Penthouse PH1602, 5th Floor	No Asbestos Detected
08375-7 0513 38	Tan duct seam sealant on white painted metal	Penthouse PH1602, 5th Floor	No Asbestos Detected
08375-7 0513 39	Tan duct seam sealant on white painted metal	Penthouse PH1602, 5th Floor	No Asbestos Detected
08375-7 0513 40	White duct seam sealant on paper	Penthouse PH1602, 5th Floor	No Asbestos Detected
08375-7 0513 41	Drywall joint compound	Area 2001, 2nd Floor	No Asbestos Detected
08375-7 0513 42	Drywall joint compound	Storage outside First Ladies exhibit (2003), 2nd floor	No Asbestos Detected
08375-7 0513 43	Drywall joint compound	Area 3009, 3rd Floor	No Asbestos Detected
08375-7 0513 44	White duct seam sealant on canvas	Mechanical room B000M8, Basement	No Asbestos Detected
08375-7 0513 45	White duct seam sealant on paper	Mechanical room B000M8, Basement	No Asbestos Detected
08375-7 0513 46	Brown baseboard mastic	Area CB053, Basement	No Asbestos Detected
May 18, 2009			
08375-7 0518 01	Cementituous duct on beam bottoms (rough)	Area 1051, 1st Floor	No Asbestos Detected
08375-7 0518 02	Cementituous duct on beam bottoms (rough)	Area 1051, 1st Floor	No Asbestos Detected
08375-7 0518 03	Cementituous duct on beam bottoms (smooth)	Area 5062, 5th Floor	No Asbestos Detected
08375-7 0518 04	Cementituous duct on beam bottoms (smooth)	Area 5062, 5th Floor	No Asbestos Detected
08375-7 0518 05	Cementituous duct on beam bottoms (smooth)	Loading dock, Basement	No Asbestos Detected

National Museum of American History
Smithsonian Institution Building 031
Bulk Sample Table
May 12th Through June 8, 2009

Sample Number	Material	Location	Result (%)
08375-7 0518 06	Cementituous duct on beam bottoms (smooth)	Loading dock, Basement	No Asbestos Detected
May 22, 2009			
08375-7 0522 01	Drywall joint compound	Area 2303, 2nd Floor	No Asbestos Detected
08375-7 0522 02	Drywall joint compound	Area 2303, 2nd Floor	No Asbestos Detected
08375-7 0522 03	Drywall joint compound	Area 2303, 2nd Floor	No Asbestos Detected
08375-7 0522 04	Drywall joint compound	Area 2303, 2nd Floor	No Asbestos Detected
June 8, 2009			
08375-7 0608 01	**Residual mudded fitting material**	**Area 4604, 4th Floor**	**20% Amosite**

Aerosol Monitoring & Analysis, Inc.

Bulk Sampling Survey Sheet

Date Collected 5-12-09 **Address:** 1331 Ashton Rd **Company:** AMA

Job Number: 08375-7 Hanover **Telephone Number:** (410) 684 - 3327

Job Site NMAH **Contact Person:** Gary Urban **Samples Taken By:** B. Witt / K Rubelin

Chain of Custody #:

Sample Number	Type of Material Sampled	Sample Location	Friable	Condition of the Material	Accessibility	Photo	Comments
08375-7 0512 01	(Brick wall) Joint Compound	1051, 1st floor, East Partion wall 12' W of E wall 30' S of N wall, 4' up	☐ Yes ☒ No ☐ Potentially	☐ Good ☐ Fair ☒ Poor	☐ Low ☒ Medium ☐ High	☐ Yes ☒ No #	Samples Taken at damaged areas
02		1051, 1st floor 50' S of N wall, 40' E of W wall, 2.5' up	☐ Yes ☒ No ☐ Potentially	☐ Good ☐ Fair ☒ Poor	☐ Low ☒ Medium ☐ High	☐ Yes ☒ No #	
03		1051, 1st floor, 30' from N wall, 60' E of W wall 5' up	☐ Yes ☒ No ☐ Potentially	☐ Good ☐ Fair ☒ Poor	☐ Low ☒ Medium ☐ High	☐ Yes ☒ No #	
04		1051, 1st floor, on ~~South~~ East Wall 1'N of display door, 35' from N wall, 5' W of E wall @ ground level.	☐ Yes ☒ No ☐ Potentially	☐ Good ☐ Fair ☒ Poor	☐ Low ☒ Medium ☐ High	☐ Yes ☒ No #	
			☐ Yes ☐ No ☐ Potentially	☐ Good ☐ Fair ☐ Poor	☐ Low ☐ Medium ☐ High	☐ Yes ☐ No #	

(Revised 01/04)

AMA Analytical Services, Inc.
Focused on Results
AIHA (#100470) NVLAP (#101143-0) NY ELAP (10920)
4475 Forbes Blvd. • Lanham, MD 20706
(301) 459-2640 • (800) 346-0961 • Fax (301) 459-2643
www.amalab.com

CHAIN OF CUSTODY

(Please Refer To This Number For Inquires) 190147

Mailing/Billing Information:

1. Client Name: AMA
2. Address 1: 1231 Ashton Road
3. Address 2: Hanover MD 21076
4. Address 3:
5. Phone #: 410 684 5512 Fax #: 410 684 5387

Submittal Information:

1. Job Name: NMAH
2. Job Location: Washington D.C.
3. Job #: 0633J-052 P.O. #:
4. Contact Person: Gary Uhlan @ phone # 410 684 5512
5. Submitted by: Brooke Uhl Signature:

Reporting Information (Results will be provided as soon as technically feasible):

AFTER HOURS (must be pre-scheduled)
❑ Immediate Date Due:
❑ 24 Hours Time Due:
Comments:

NORMAL BUSINESS HOURS
❑ Immediate ❑ 3 Day
☒ Next Day ❑ 5 Day +
❑ 2 Day Date Due: 5/13/09 noon
❑ Results Required By Noon (EveryAttempt Will Be Made to Accomodate)

REPORT TO:
☒ Include COC/Field Data Sheets with Report
☒ Email: Gary.u @amaconsultly.com
❑ Fax:
☒ Verbals:

Asbestos Analysis

PCM Air – Please Indicate Filter Type:
PC MCE Porosity in a 25mm 37mm
❑ NIOSH 7400 (QTY)
❑ Fiberglass (QTY)

TEM Air – Please Indicate Filter Type:
PC MCE Porosity in a 25mm 37mm
❑ AHERA (QTY)
❑ NIOSH 7402 (QTY)
❑ Other (specify) (QTY)

PLM Bulk
☒ EPA 600 – Visual Estimate 4 (QTY)
❑ EPA Point Count (QTY)
❑ NY State Friable 198.1 (QTY)
❑ Grav. Reduction ELAP 198.6 (QTY)
❑ Other (specify) (QTY)

TEM Bulk
❑ ELAP 198.4/Chatfield (QTY)
❑ NY State PLM/TEM (QTY)
❑ Residual Ash (QTY)

TEM Dust
❑ Qual. (pres/abs) Vacuum/Dust (QTY)
❑ Quan. (s/area) Vacuum D5755-95 (QTY)
❑ Quan. (s/area)Dust D6480-99 (QTY)

TEM Water
❑ Qual. (pres/abs) (QTY)
❑ ELAP 198.2/EPA 100.2 (QTY)
❑ EPA 100.1 (QTY)

❑ All samples received in good condition unless otherwise noted.
(TEM Water samples °C)

Lead Analysis
❑ Paint Chip (QTY)
❑ Dust Wipe (wipe type) (QTY)
❑ Air (QTY)
❑ Soil/Solid (QTY)
❑ TCLP (QTY)
❑ Drinking Water (QTY)
❑ Waste Water (QTY)
❑ Dust Wipe Furnace (wipe type) (QTY)

Mold - Direct Microscopic Analysis
❑ Collection Apparatus for Spore Traps:
❑ Spore-Trap (QTY) ❑ Bulk (QTY)
❑ Surface Swab (QTY) ❑ Surface Vacuum Dust (QTY)
❑ Surface Tape (QTY) ❑ Other (Specify) (QTY)

SAMPLE INFORMATION					ANALYSIS					MATRIX							CLIENT CONTACT
CLIENT ID NUMBER	SAMPLE LOCATION/ IDENTIFICATION	DATE	VOLUME (LITERS)	WIPE AREA	TEM	PCM	PLM	LEAD	MOLD	AIR	BULK	DUST	WATER AND OTHER	SPORE TRAP	TAPE	SWAB	(LABORATORY STAFF ONLY)
0633J-052-01		5/12															Date/Time: Contact: By:
0633J-052-04																	
																	Date/Time: Contact: By:
																	Date/Time: Contact: By:

LABORATORY STAFF ONLY: (CUSTODY)

1. Date/Time RCVD: 5 / 12 / 09 @ 1505 Via: DO By (Print): Suraj Mitra Sign:
2. Date/Time Analyzed: / / @ By (Print): Sign:
3. Results Reported To: Via: Date: / / Time: Initials:
4. Comments:

AMA Analytical Services, Inc.

A Specialized Environmental Laboratory

CERTIFICATE OF ANALYSIS

NVLAP 101143-0

Client:	Aerosol Monitoring & Analysis, Inc	**Job Name:**	N MAH	**Chain Of Custody:**	190147
Address:	PO Box 646, 1331 Ashton Road	**Job Location:**	Washington D.C.	**Date Analyzed:**	5/12/2009
	Hanover, Maryland 21076	**Job Number:**	08375-7	**Person Submitting:**	Brooke Wilt
		P.O. Number:	Not Provided		
Attention:	Gary Urban				

Summary of Polarized Light Microscopy

AMA Sample Number	Client Sample #	Total Asbestos	Chrysotile Percent	Amosite Percent	Crocidolite Percent	Other Asbestos Percent	Mineral Wool Percent	Fiberglass Percent	Organic Percent	Synthetic Percent	Other Percent	Particulate Percent	Sample Color	Homogeneity	Analyst ID	Comments
0941778	08375 0512 01	NAD	--	--	--	--	--	--	--	--	--	100	White	Homogeneous	LBP	
0941779	08375 0512 02	NAD	--	--	--	--	--	--	--	--	--	100	White	Homogeneous	LBP	
0941780	08375 0512 03	NAD	--	--	--	--	--	--	--	--	--	100	White	Homogeneous	LBP	
0941781	08375 0512 04	NAD	--	--	--	--	--	TR	TR	--	--	100	White	Homogeneous	LBP	

The following footnotes only apply to those samples which the total asbestos result is flagged with a note number.

1 TEM RECOMMENDATION - Please note, due to resolution limitations with optical microscopy and/or interference from matrix components of this sample, results which are reported via PLM as negative or trace (<1%) for asbestos may contain a significant quantity of asbestos. It is recommended that the additional analytical technique of TEM be used to check for asbestos fibers below the resolution limits of optical microscopy.

2 MATRIX REDUCTION RECOMMENDATION - Please note, due to interference from the matrix components of this sample, results which are reported via PLM as negative or trace (<1%) for asbestos may contain a significant quantity of asbestos which is obscured from view. It is recommended that the additional preparation technique of gravimetric reduction be performed on this sample to minimize the obscuring effects of matrix components, followed by reanalysis by PLM and/or TEM.

Analysis Method - EPA/600/R-93/116 dated July 1993

NAD = "No Asbestos Detected" TR = "Trace equals less than 1% of this component"

Uncertainty: For samples containing asbestos in range of 1-10% the CV is 0.43, 11-35% CV=0.55, >35 CV=0.23

Lom Butruk

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. NVLAP accreditation applies only to polarized light microscopy of bulk samples and transmission electron microscopy of AHERA air samples. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.

PAGE1

05-12-2009 16:18 AMA ANALYTICAL SERVICES 3014592643

Received Time May. 12. 4:14PM

Aerosol Monitoring & Analysis, Inc.

Bulk Sampling Survey Sheet

Date Collected 5-13-09 **Address:** 1331 ASHTON RD. **Company:** AMA

Job Number: 08375-7 HANOVER, MD 21076 **Telephone Number:** (410) 684-3327

Job Site NMAH **Contact Person:** GARY URBAN **Samples Taken By:** B. WILT / K. RUEBLING

Chain of Custody #: 184417

Sample Number	Type of Material Sampled	Sample Location	Friable	Condition of the Material	Accessibility	Photo	Comments
08375 0513 01	Brown Duct seam Sealant	Attu 9, Along E ~~wall~~ side 4' high, 30' S of N wall Basement ABO38	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☐ Low ☒ Medium ☐ High	☐ Yes ☒ No #	on bare metal
02	Green duct seam Sealant	35' S of N Wall 50' W of E wall, 7' high Basement ABO38	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☐ Low ☒ Medium ☐ High	☐ Yes ☒ No #	↓
03	White duct seam Sealant	VV2) N side of unit 6' high, 40' S of N wall 15' W of E wall Basement ABO38	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☐ Low ☒ Medium ☐ High	☐ Yes ☒ No #	On canvas Duct
04	white pipe seam sealant	pipe ~~off~~ of AC/C, on E side of unit, 12' S of N wall 4' high, Basement ABO38	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☐ Low ☒ Medium ☐ High	☐ Yes ☒ No #	On paper
05	↓	pipe off of ACU11, 3' W of ACU11, 30' S of N wall Basement ABO38	☐ Yes ☒ No ☐ Potentially	☐ Good ☒ Fair ☐ Poor	☐ Low ☒ Medium ☐ High	☐ Yes ☒ No #	On canvas

(Revised 8/01)

Aerosol Monitoring & Analysis, Inc.

Bulk Sampling Survey Sheet

Date Collected: 5-13-09 **Address:** 1331 Ashton Rd. **Company:** AMA

Job Number: 08375-7 Hanover, MD 21076 **Telephone Number:** (410)684-3327

Job Site: MAH **Contact Person:** Gary Urban **Samples Taken By:** B. Wilt / K. Rubeling

Chain of Custody #:

Sample Number	Type of Material Sampled	Sample Location	Friable	Condition of the Material	Accessibility	Photo	Comments
08375-7 0513 06	Drywall joint compound	Basement loading dock, exterior office, NW corner, 4.5' up at damage	☐ Yes ☒ No ☐ Potentially	☐ Good ☒ Fair ☐ Poor	☐ Low ☒ Medium ☐ High	☐ Yes ☒ No #	Partition
07	↓	Basement B20, E wall, 20' from N wall, 2' up at damage	☐ Yes ☒ No ☐ Potentially	☐ Good ☒ Fair ☐ Poor	☐ Low ☒ Medium ☐ High	☐ Yes ☒ No #	Partition
08	Drywall Joint Compound	CB060B Basement, N wall, 2' from E wall, 3' up at damage	☐ Yes ☒ No ☐ Potentially	☐ Good ☒ Fair ☐ Poor	☐ Low ☒ Medium ☐ High	☐ Yes ☒ No #	Partition
09	Grey duct seam sealant	Room B 1' above fan E11 10' W of E wall, on duct	☐ Yes ☒ No ☐ Potentially	☐ Good ☐ Fair ☒ Poor	☐ Low ☒ Medium ☐ High	☐ Yes ☒ No #	On bare duct
10	White duct seam sealant	Room B, 1' above fan RU-13 20' W of E wall on duct	☐ Yes ☒ No ☐ Potentially	☐ Good ☒ Fair ☐ Poor	☐ Low ☒ Medium ☐ High	☐ Yes ☒ No #	On paper

(Revised 8/01)

Aerosol Monitoring & Analysis, Inc.

Bulk Sampling Survey Sheet

Date Collected: 5-13-09 **Address:** 1331 ASHTON RD. **Company:** AMA

Job Number: 08525-7 HANOVER, MD 21076 **Telephone Number:** (410)684-3327

Job Site NMAH **Contact Person:** GARY URBAN **Samples Taken By:** B. WILT / K. RUBELING

Chain of Custody #:

Sample Number	Type of Material Sampled	Sample Location	Friable	Condition of the Material	Accessibility	Photo	Comments
08525-7 0513 11	Black Mixing chamber batt mastic	Inside AC unit 17 S side interior, 1' from W side, 3' up BOOOM8	☐ Yes ☒ No ☐ Potentially	☐ Good ☒ Fair ☐ Poor	☒ Low ☐ Medium ☐ High	☐ Yes ☒ No #	
12	Brown Baseboard mastic	South wall, 20' from E wall 2" up BOOOM8	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☒ Low ☐ Medium ☐ High	☐ Yes ☒ No #	
13	Drywall joint compound	Gallery 1041, Tray W wall 50' W of E wall, 5' high at damage, communications display	☐ Yes ☒ No ☐ Potentially	☐ Good ☒ Fair ☐ Poor	☒ Low ☐ Medium ☐ High	☐ Yes ☒ No #	perimeter
14	↓	1st floor outside 1015B above ceiling deck by fire exit	☐ Yes ☐ No ☐ Potentially	☐ Good ☐ Fair ☐ Poor	☐ Low ☐ Medium ☐ High	☐ Yes ☒ No #	
15	Red duct seam sealant	1st floor 1015B Above ceiling deck by fire exit	☐ Yes ☐ No ☐ Potentially	☐ Good ☐ Fair ☐ Poor	☐ Low ☐ Medium ☐ High	☐ Yes ☒ No #	on bare duct

(Revised 8/01)

Aerosol Monitoring & Analysis, Inc.

Bulk Sampling Survey Sheet

Date Collected: 5-13-09 Address: 1331 ASHTON RD. Company: AMA

Job Number: 08375-7 HANOVER, MD 21076 Telephone Number: (410) 684-3327

Job Site: NMAH Contact Person: GARY URBAN Samples Taken By: B. WILT / K. RUBELING

Chain of Custody #:

Sample Number	Type of Material Sampled	Sample Location	Friable	Condition of the Material	Accessibility	Photo	Comments
08375-7 0513 16	Black sealant on foil	Area 1051 20' from N wall 10' from W wall	☐ Yes ☐ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☐ Low ☒ Medium ☐ High	☐ Yes ☒ No #	
17	Drywall joint compound	Area 3000 (BW) Along N wall, 8' E of W wall, 4.5' high	☐ Yes ☒ No ☐ Potentially	☐ Good ☒ Fair ☐ Poor	☐ Low ☒ Medium ☐ High	☐ Yes ☒ No #	
18	↓	Area 3000 Along E wall 5' from W wall, 5' up	☐ Yes ☒ No ☐ Potentially	☐ Good ☒ Fair ☐ Poor	☐ Low ☒ Medium ☐ High	☐ Yes ☒ No #	
19	White pipe seam sealant	Area 4000ft² 1' N of AC U3, 2' up	☐ Yes ☒ No ☐ Potentially	☐ Good ☐ Fair ☐ Poor	☐ Low ☐ Medium ☐ High	☐ Yes ☒ No #	On paper
20	Brown duct seam Sealant	Area 4000ft² Along N wall, on fan unit by exit door	☐ Yes ☐ No ☐ Potentially	☐ Good ☐ Fair ☐ Poor	☐ Low ☐ Medium ☐ High	☐ Yes ☒ No #	on metal

(Revised 8/01)

Aerosol Monitoring & Analysis, Inc.

Bulk Sampling Survey Sheet

Date Collected 5-13-09 **Address:** 1331 ASHTON RD. **Company:** AMA

Job Number: 08375-7 HANOVER, MD 21076 **Telephone Number:** (410) 684-3327

Job Site N/A **Contact Person:** GARY URBAN **Samples Taken By:** B. WILT / K. RUBELING

Chain of Custody #:

Sample Number	Type of Material Sampled	Sample Location	Friable	Condition of the Material	Accessibility	Photo	Comments
08375-7 0513 21	Grey duct seam sealant	Area 4000 m2, Appr. 5' W of E wall, 15' S of N wall, 5' up	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☐ Low ☒ Medium ☐ High	☐ Yes ☒ No #	On metal
22	Black mixing chamber on batt mastic	Area 4000 m2 Along N wall, inside fan unit by exit door	☐ Yes ☒ No ☐ Potentially	☐ Good ☒ Fair ☐ Poor	☐ Low ☒ Medium ☐ High	☐ Yes ☒ No #	
23	white pipe seam sealant	Area 4000 m3, 15' from N wall 25' from E wall, 5' up	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☐ Low ☒ Medium ☐ High	☐ Yes ☒ No #	On paper
24	Green pin mastic	Area 4000 m3, 20' from N wall, 30' from E wall	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☐ Low ☒ Medium ☐ High	☐ Yes ☒ No #	On foil duct
			☐ Yes ☐ No ☐ Potentially	☐ Good ☐ Fair ☐ Poor	☐ Low ☐ Medium ☐ High	☐ Yes ☒ No #	

(Revised 8/01)

AMA Analytical Services, Inc.
Focused on Results
AIHA (#100470) NVLAP (#101143-0) NY ELAP (10920)
4475 Forbes Blvd. • Lanham, MD 20706
(301) 459-2640 • (800) 346-0961 • Fax (301) 459-2643
www.amalab.com

CHAIN OF CUSTODY

(Please Refer To This Number For Inquires) 184417

Mailing/Billing Information:

1. Client Name: AMA
2. Address 1: 5301 Auton & Road
3. Address 2: Apt 202 MD 21076
4. Address 3: _____
5. Phone #: 410 - 99 - 525 Fax #: Call First

Submittal Information:

1. Job Name: _____
2. Job Location: Lanham DC
3. Job #: _____ P.O. #: _____
4. Contact Person: _____ @ phone # _____
5. Submitted by: _____ Signature: _____

Reporting Information (Results will be provided as soon as technically feasible):

AFTER HOURS (must be pre-scheduled)	NORMAL BUSINESS HOURS	REPORT TO:
❑ Immediate Date Due: _____	❑ Immediate ❑ 3 Day	☑ Include COC/Field Data Sheets with Report
❑ 24 Hours Time Due: _____	☑ Next Day ❑ 5 Day +	❑ Email: _____ @ _____
Comments: _____	❑ 2 Day Date Due: _____	❑ Fax: _____
	❑ Results Required By Noon (EveryAttempt Will Be Made to Accomodate)	☑ Verbals: _____

Asbestos Analysis

PCM Air – Please Indicate Filter Type:
PC MCE Porosity_____ in a 25mm 37mm
❑ NIOSH 7400_____(QTY)
❑ Fiberglass_____(QTY)

TEM Air – Please Indicate Filter Type:
PC MCE Porosity_____ in a 25mm 37mm
❑ AHERA_____(QTY)
❑ NIOSH 7402_____(QTY)
❑ Other (specify_____)_____(QTY)

PLM Bulk
❑ EPA 600 – Visual Estimate 24 (QTY)
❑ EPA Point Count_____(QTY)
❑ NY State Friable 198.1_____(QTY)
❑ Grav. Reduction ELAP 198.6_____(QTY)
❑ Other (specify_____)_____(QTY)

TEM Bulk
❑ ELAP 198.4/Chatfield_____(QTY)
❑ NY State PLM/TEM_____(QTY)
❑ Residual Ash_____(QTY)

TEM Dust
❑ Qual. (pres/abs) Vacuum/Dust_____(QTY)
❑ Quan. (s/area) Vacuum D5755-95_____(QTY)
❑ Quan. (s/area)Dust D6480-99_____(QTY)

TEM Water
❑ Qual. (pres/abs)_____(QTY)
❑ ELAP 198.2/EPA 100.2_____(QTY)
❑ EPA 100.1_____(QTY)

❑ All samples received in good condition unless otherwise noted.
(TEM Water samples _____°C)

Lead Analysis
❑ Paint Chip_____(QTY)
❑ Dust Wipe (wipe type_____)_____(QTY)
❑ Air_____(QTY)
❑ Soil/Solid_____(QTY)
❑ TCLP_____(QTY)
❑ Drinking Water_____(QTY)
❑ Waste Water_____(QTY)
❑ Dust Wipe Furnace (wipe type_____)_____(QTY)

Mold - Direct Microscopic Analysis
❑ Collection Apparatus for Spore Traps: _____
❑ Spore-Trap_____(QTY) ❑ Bulk_____(QTY)
❑ Surface Swab_____(QTY) ❑ Surface Vacuum Dust_____(QTY)
❑ Surface Tape_____(QTY) ❑ Other (Specify_____)_____(QTY)

SAMPLE INFORMATION					ANALYSIS					MATRIX						CLIENT CONTACT
CLIENT ID NUMBER	SAMPLE LOCATION/ IDENTIFICATION	DATE	VOLUME (LITERS)	WIPE AREA	TEM	PCM	PLM	LEAD	MOLD	AIR	BULK	DUST	WATER AND OTHER	SPORE TRAP	TAPE	SWAB	(LABORATORY STAFF ONLY)
08275-7 05180		5/13					↓				↓						Date/Time: Contact: By:
↓		↓															
08275-7 075 24		↓					↓				↓						
																	Date/Time: Contact: By:
																	Date/Time: Contact: By:

LABORATORY STAFF ONLY: (CUSTODY)

1. Date/Time RCVD: 5 / 12 / 09 @ 9:45 Via: DC By (Print): Surat Watson Sign: _____
2. Date/Time Analyzed: ____ / ____ / ____ @ ____ By (Print): _____ Sign: _____
3. Results Reported To: _____ Via: _____ Date: ____ / ____ / ____ Time: _____ Initials: _____
4. Comments: _____

AMA Analytical Services, Inc.

A Specialized Environmental Laboratory

CERTIFICATE OF ANALYSIS

NVLAP 101143-0

No. 3255 P. 8

Client:	Aerosol Monitoring & Analysis, Inc	**Job Name:**	NMAH	**Chain Of Custody:**	184417
Address:	PO Box 646, 1331 Ashton Road	**Job Location:**	Washington DC	**Date Analyzed:**	5/14/2009
	Hanover, Maryland 21076	**Job Number:**	08375-7	**Person Submitting:**	Brooke Wilt
		P.O. Number:	Not Provided		

Attention: Gary Urban

Summary of Polarized Light Microscopy

AMA Sample Number	Client Sample #	Total Asbestos	Chrysotile Percent	Amosite Percent	Crocidolite Percent	Other Asbestos Percent	Mineral Wool Percent	Fiberglass Percent	Organic Percent	Synthetic Percent	Other Percent	Particulate Percent	Sample Color	Homogeneity	Analyst ID	Comments
0941962	08375-7 0513 01	NAD	--	--	--	--	--	--	--	--	5	95	Brown	Homogeneous	PC	
0941963	08375-7 0513 02	NAD	--	--	--	--	--	--	--	--	--	100	Green	Homogeneous	PC	
0941964	08375-7 0513 03	NAD	--	--	--	--	--	--	TR	--	2	98	White	Homogeneous	PC	
0941965	08375-7 0513 04	NAD	--	--	--	--	--	2	2	--	2	94	White	Homogeneous	PC	
0941966	08375-7 0513 05	NAD	--	--	--	--	--	--	15	--	2	83	White	Homogeneous	PC	
0941967	08375-7 0513 06	2	2	--	--	--	--	--	--	--	--	98	Beige	Homogeneous	PC	
0941968	08375-7 0513 07	NAD	--	--	--	--	--	--	--	--	--	100	White	Homogeneous	PC	
0941969	08375-7 0513 08	NAD	--	--	--	--	--	--	--	--	--	100	White	Homogeneous	PC	
0941970	08375-7 0513 09	NAD	--	--	--	--	--	--	TR	--	--	100	Gray	Homogeneous	PC	
0941971	08375-7 0513 10	NAD	--	--	--	--	--	2	10	--	2	86	White	Homogeneous	PC	

May. 14. 2009 1:21PM

Received Time May. 14. 1:42PM

his report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is lbmitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, cations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of is information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. NVLAP accreditation applies only to polarized light microscopy of bulk samples and ansmission electron microscopy of AHERA air samples. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. All rights reserved. MA Analytical Services, Inc.

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A Specialized Environmental Laboratory

CERTIFICATE OF ANALYSIS

NVLAP® 101143-0

No. 3255 P. 9

Client:	Aerosol Monitoring & Analysis, Inc	**Job Name:**	NMAH	**Chain Of Custody:**	184417
Address:	PO Box 646, 1331 Ashton Road	**Job Location:**	Washington DC	**Date Analyzed:**	5/14/2009
	Hanover, Maryland 21076	**Job Number:**	08375-7	**Person Submitting:**	Brooke Wilt
		P.O. Number:	Not Provided		

Attention: Gary Urban

Summary of Polarized Light Microscopy

AMA Sample Number	Client Sample #	Total Asbestos	Chrysotile Percent	Amosite Percent	Crocidolite Percent	Other Asbestos Percent	Mineral Wool Percent	Fiberglass Percent	Organic Percent	Synthetic Percent	Other Percent	Particulate Percent	Sample Color	Homogeneity	Analyst ID	Comments
0941972	08375-7 0513 11	NAD	--	--	--	--	5	--	--	--	--	95	Black	Homogeneous	PC	
0941973	08375-7 0513 12	NAD	--	--	--	--	--	--	--	--	2	98	Brown	Homogeneous	PC	
0941974	08375-7 0513 13	NAD	--	--	--	--	--	--	--	--	--	100	White	Homogeneous	PC	
0941975	08375-7 0513 14	NAD	--	--	--	--	--	--	--	--	--	100	White	Homogeneous	PC	
0941976	08375-7 0513 15	NAD	--	--	--	--	--	--	--	--	5	95	Red	Homogeneous	PC	
0941977	08375-7 0513 16	3	3	--	--	--	--	TR	TR	--	--	97	Black	Homogeneous	PC	
0941978	08375-7 0513 17	NAD	--	--	--	--	--	--	--	--	--	100	White	Homogeneous	PC	
0941979	08375-7 0513 18	NAD	--	--	--	--	--	--	--	--	--	100	White	Homogeneous	PC	
0941980	08375-7 0513 19	NAD	--	--	--	--	5	--	--	--	2	93	White	Homogeneous	PC	
0941981	08375-7 0513 20	NAD	--	--	--	--	--	--	--	--	--	100	Brown	Homogeneous	PC	

Received Time May. 14. 1:42PM

May. 14. 2009 1:21PM

his report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is bmitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, cations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of is information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. NVLAP accreditation applies only to polarized light microscopy of bulk samples and ansmission electron microscopy of AHERA air samples. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. All rights reserved. MA Analytical Services, Inc.

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A Specialized Environmental Laboratory

CERTIFICATE OF ANALYSIS

NVLAP 101143-0

No.3255 P. 10

Client:	Aerosol Monitoring & Analysis, Inc	**Job Name:**	NMAH	**Chain Of Custody:**	184417
Address:	PO Box 646, 1331 Ashton Road	**Job Location:**	Washington DC	**Date Analyzed:**	5/14/2009
	Hanover, Maryland 21076	**Job Number:**	08375-7	**Person Submitting:**	Brooke Wilt
		P.O. Number:	Not Provided		

Attention: Gary Urban

Summary of Polarized Light Microscopy

AMA Sample Number	Client Sample #	Total Asbestos	Chrysotile Percent	Amosite Percent	Crocidolite Percent	Other Asbestos Percent	Mineral Wool Percent	Fiberglass Percent	Organic Percent	Synthetic Percent	Other Percent	Particulate Percent	Sample Color	Homogeneity	Analyst ID	Comments
0941982	08375-7 0513 21	NAD	–	–	–	–	–	–	–	–	–	100	Gray	Homogeneous	PC	
0941983	08375-7 0513 22	NAD	–	–	–	–	40	–	TR	–	–	60	Black	Homogeneous	PC	
0941984	08375-7 0513 23	NAD	–	–	–	–	8	–	–	–	2	90	White	Homogeneous	PC	
0941985	08375-7 0513 24	NAD	–	–	–	–	–	–	–	–	–	100	Green	Homogeneous	PC	

The following footnotes only apply to those samples which the total asbestos result is flagged with a note number

1 TEM RECOMMENDATION - Please note, due to resolution limitations with optical microscopy and/or interference from matrix components of this sample, results which are reported via PLM as negative or trace (<1%) for asbestos may contain a significant quantity of asbestos It is recommended that the additional analytical technique of TEM be used to check for asbestos fibers below the resolution limits of optical microscopy

2 MATRIX REDUCTION RECOMMENDATION - Please note, due to interference from the matrix components of this sample, results which are reported via PLM as negative or trace (<1%) for asbestos may contain a significant quantity of asbestos which is obscured from view. It is recommended that the additional preparation technique of gravimetric reduction be performed on this sample to minimize the obscuring effects of matrix components, followed by reanalysis by PLM and/or TEM.

Analysis Method - EPA/600/R-93/116 dated July 1993

NAD = "No Asbestos Detected" TR = "Trace equals less than 1% of this component"

Uncertainty: For samples containing asbestos in range of 1-10% the CV is 0.43, 11-35% CV=0 55, >35 CV=0.23

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This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is limited and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. NVLAP accreditation applies only to polarized light microscopy of bulk samples and transmission electron microscopy of AHERA air samples. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.

Aerosol Monitoring & Analysis, Inc.

Bulk Sampling Survey Sheet

Date Collected: 5-14-08 | Address: 1331 ASHTON RD. HANOVER, MD 21076 | Company: AMA

Job Number: 08375-7 | Telephone Number: (410) 684-3327

Job Site: NMAH | Contact Person: GARY URBAN | Samples Taken By: B. WILT / K. RUBELING

Chain of Custody #: 18418

Sample Number	Type of Material Sampled	Sample Location	Friable	Condition of the Material	Accessibility	Photo	Comments
08375-7 6514 25	Green duct seam sealant	mech room M1 (4th), 25' from N wall, 20' from E wall, 6' up	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☐ Low ☒ Medium ☐ High	☐ Yes ☒ No #	on metal
26	white pipe seam sealant on canvas	mech room M1 (4th), 15' from N wall, 15' from W wall 4' up	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☐ Low ☒ Medium ☐ High	☐ Yes ☒ No #	
27	Red duct seam Sealant	mech room M4, 4th floor, 20' from S wall, 15' from E wall, 3' up	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☐ Low ☒ Medium ☐ High	☐ Yes ☒ No #	on metal
28	Brown duct seam Sealant	mech room M1, 4th floor 5' from W wall, 15' from S wall, 5' up	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☐ Low ☒ Medium ☐ High	☐ Yes ☒ No #	on metal
29	white duct seam Sealant	mech room M4, 4th floor 10' from W wall, 20' from S wall, 3' up	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☐ Low ☒ Medium ☐ High	☐ Yes ☒ No #	on canvas

(Revised 8/01)

Aerosol Monitoring & Analysis, Inc.

Bulk Sampling Survey Sheet

Date Collected: 5-14-04 | Address: 1331 ASHTON RD. HANOVER, MD 21076 | Company: AMA

Job Number: 08325-7 | Telephone Number: (410)684-3327

Job Site: NMAH | Contact Person: GARY URBAN | Samples Taken By: B. WILT / K. RUBELING

Chain of Custody #:

Sample Number	Type of Material Sampled	Sample Location	Friable	Condition of the Material	Accessibility	Photo	Comments
08325-7 0514 30	white PAC seam Sealant	mech room M4, 15' S of W wall, 10' W of E wall, 4' ↑	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☐ Low ☒ Medium ☐ High	☐ Yes ☒ No #	on can-ag
31	cement/clay duct insulation	5057, on large duct 1' left of hatch @ damage	☒ Yes ☐ No ☐ Potentially	☒ Good ☒ Fair ☐ Poor	☐ Low ☒ Medium ☐ High	☐ Yes ☒ No #	
32	↓	Janitors closet in stairwell 5601 on large duct, 1' right of hatch at damage	☒ Yes ☐ No ☐ Potentially	☐ Good ☒ Fair ☐ Poor	☐ Low ☐ Medium ☐ High	☐ Yes ☒ No #	
33	↓	MB3960 ~7' ↑ flat on duct ~4' E of W wall ~4' N of S wall	☒ Yes ☐ No ☐ Potentially	☐ Good ☒ Fair ☐ Poor	☐ Low ☐ Medium ☐ High	☐ Yes ☒ No #	
↓ 34	Brown baseboard mastic	MB0003 Along E wall 8' N of S wall 2" up	☐ Yes ☒ No ☐ Potentially	☐ Good ☒ Fair ☐ Poor	☒ Low ☐ Medium ☐ High	☐ Yes ☒ No #	

(Revised 8/01)

Aerosol Monitoring & Analysis, Inc.

Bulk Sampling Survey Sheet

Date Collected: 5-14-09 **Address:** 1331 Ashton Rd. Hanover, MD 21076 **Company:** AMA

Job Number: 08325-7 **Telephone Number:** (410) 684-3327

Job Site: NMAH **Contact Person:** Gary Urban **Samples Taken By:** B. Wilt / K. Rubeling

Chain of Custody #:

Sample Number	Type of Material Sampled	Sample Location	Friable	Condition of the Material	Accessibility	Photo	Comments
08325-7 001 35	white duct seam sealant	CB0608, Above ceiling deck 5' from N wall, 5' from E wall 7' up	☐ Yes ☒ No ☐ Potentially	☐ Good ☒ Fair ☐ Poor	☐ Low ☒ Medium ☐ High	☐ Yes ☒ No #	on foil
36	↓	CB0604, Above ceiling 2' from S wall, 5' from E wall, 7' up	☐ Yes ☒ No ☐ Potentially	☐ Good ☒ Fair ☐ Poor	☐ Low ☒ Medium ☐ High	☐ Yes ☒ No #	↓
37	~~white~~ (Bw) Red duct Seam Sealant	5th floor Penthouse PH1602, 5' from S wall 5' from W wall, 3' up	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☐ Low ☒ Medium ☐ High	☐ Yes ☒ No #	On ~~Sealant~~ (Bw) metal
38	~~Tan~~ (Bw) duct seam sealant	5th floor penthouse PH1602 5' from S wall 7' from W wall, 25' up	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☐ Low ☒ Medium ☐ High	☐ Yes ☒ No #	white on metal
39	↓	5th floor penthouse PH1602 15' from W wall 15' from S wall, 10' up	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☐ Low ☒ Medium ☐ High	☐ Yes ☒ No #	↓

(Revised 8/01)

Aerosol Monitoring & Analysis, Inc.

Bulk Sampling Survey Sheet

Date Collected 5-14-09 **Address:** 1331 ASHTON RD. **Company:** AMA

Job Number: 08375-7 HANOVER, MD 21076 **Telephone Number:** (410)684-3327

Job Site NMAH **Contact Person:** GARY URBAN **Samples Taken By:** B. WILT / K. RUBELING

Chain of Custody #:

Sample Number	Type of Material Sampled	Sample Location	Friable	Condition of the Material	Accessibility	Photo	Comments
08375-7 0513 40	white duct seam sealant	5th Fl penthouse PH602 3' from N wall, 20' from W wall, 4' up	☐ Yes ☒ No ☐ Potentially	☐ Good ☑ Fair ☐ Poor	☐ Low ☑ Medium ☐ High	☐ Yes ☒ No #	on paper
41	drywall joint compound	Area 2nd floor, W wall (2nd) 10' from S wall 5' up, at damage	☐ Yes ☒ No ☐ Potentially	☐ Good ☑ Fair ☐ Poor	☐ Low ☑ Medium ☐ High	☐ Yes ☒ No #	
42	↓	Storage outside Ladies (2nd) ~~Sampled~~ Area, N/W wall, 8' from S wall 4' up, at damage	☐ Yes ☒ No ☐ Potentially	☐ Good ☑ Fair ☐ Poor	☐ Low ☐ Medium ☐ High	☐ Yes ☒ No #	
43	↓	Area 300a, exterior of lead soldering hose exhibit left corner, 3' up	☐ Yes ☒ No ☐ Potentially	☐ Good ☐ Fair ☐ Poor	☐ Low ☒ Medium ☐ High	☐ Yes ☒ No #	
44	white duct seam sealant	Area 1 on unit D230 Basement mech room 0018 4' up	☐ Yes ☐ No ☐ Potentially	☐ Good ☐ Fair ☐ Poor	☐ Low ☐ Medium ☐ High	☐ Yes ☒ No #	on canvas

(Revised 8/01)

Aerosol Monitoring & Analysis, Inc.

Bulk Sampling Survey Sheet

Date Collected: 5-14-09 Address: 1331 ASHTON RD. Company: AMA

Job Number: 08335-7 HANOVER, MD 21076 Telephone Number: (410)684-3327

Job Site: NMAH Contact Person: GARY URBAN Samples Taken By: B. WILT / K. RUBELING

Chain of Custody #:

Sample Number	Type of Material Sampled	Sample Location	Friable	Condition of the Material	Accessibility	Photo	Comments
08335-7 0513 45	white duct seam sealant	Basement mech room on Duct BOOM8, across from unit D230 4'up	☐ Yes ☒ No ☐ Potentially	☐ Good ☒ Fair ☐ Poor	☐ Low ☒ Medium ☐ High	☐ Yes ☒ No #	on paper
↓ 46	Brown baseboard mastic	CB053, N wall, 3' W of E wall @ floor	☐ Yes ☒ No ☐ Potentially	☐ Good ☒ Fair ☐ Poor	☐ Low ☒ Medium ☐ High	☐ Yes ☒ No #	
			☐ Yes ☐ No ☐ Potentially	☐ Good ☐ Fair ☐ Poor	☐ Low ☐ Medium ☐ High	☐ Yes ☒ No #	
			☐ Yes ☐ No ☐ Potentially	☐ Good ☐ Fair ☐ Poor	☐ Low ☐ Medium ☐ High	☐ Yes ☒ No #	
			☐ Yes ☐ No ☐ Potentially	☐ Good ☐ Fair ☐ Poor	☐ Low ☐ Medium ☐ High	☐ Yes ☒ No #	

(Revised 8/01)

AMA Analytical Services, Inc.
Focused on Results
AIHA (#100470) NVLAP (#101143-0) NY ELAP (10920)
4475 Forbes Blvd. • Lanham, MD 20706
(301) 459-2640 • (800) 346-0961 • Fax (301) 459-2643
www.amalab.com

CHAIN OF CUSTODY

(Please Refer To This Number For Inquires) 184418

Mailing/Billing Information:

1. Client Name: AMA
2. Address 1: 1381 Ashton Rd
3. Address 2: Hanover MD 21076
4. Address 3:
5. Phone #: 410 684 3327 Fax #: 684 3384

Submittal Information:

1. Job Name: NMAH
2. Job Location: Washington DC
3. Job #: 08535-7 P.O. #:
4. Contact Person: Gary Upton @ phone # 410 684 3327
5. Submitted by: Brooke Smith Signature: Brooke Smith

Reporting Information (Results will be provided as soon as technically feasible):

AFTER HOURS (must be pre-scheduled)	NORMAL BUSINESS HOURS	REPORT TO:
❑ Immediate Date Due:	❑ Immediate ❑ 3 Day	☑ Include COC/Field Data Sheets with Report
❑ 24 Hours Time Due:	☑ Next Day ❑ 5 Day +	☑ Email: Gary.U @ ama-consulting.com
Comments:	❑ 2 Day Date Due: 5-15-08	❑ Fax:
	❑ Results Required By Noon (EveryAttempt Will Be Made to Accomodate)	☑ Verbals:

Asbestos Analysis

PCM Air – Please Indicate Filter Type:
PC MCE Porosity____ in a 25mm 37mm
❑ NIOSH 7400____(QTY)
❑ Fiberglass____(QTY)

TEM Air – Please Indicate Filter Type:
PC MCE Porosity____ in a 25mm 37mm
❑ AHERA____(QTY)
❑ NIOSH 7402____(QTY)
❑ Other (specify____)____(QTY)

PLM Bulk
☑ EPA 600 – Visual Estimate 3 (QTY)
❑ EPA Point Count____(QTY)
❑ NY State Friable 198.1____(QTY)
❑ Grav. Reduction ELAP 198.6____(QTY)
❑ Other (specify____)____(QTY)

TEM Bulk
❑ ELAP 198.4/Chatfield____(QTY)
❑ NY State PLM/TEM____(QTY)
❑ Residual Ash____(QTY)

TEM Dust
❑ Qual. (pres/abs) Vacuum/Dust____(QTY)
❑ Quan. (s/area) Vacuum D5755-95____(QTY)
❑ Quan. (s/area)Dust D6480-99____(QTY)

TEM Water
❑ Qual. (pres/abs)____(QTY)
❑ ELAP 198.2/EPA 100.2____(QTY)
❑ EPA 100.1____(QTY)

❑ All samples received in good condition unless otherwise noted.
(TEM Water samples ____°C)

Lead Analysis
❑ Paint Chip____(QTY)
❑ Dust Wipe (wipe type____)____(QTY)
❑ Air____(QTY)
❑ Soil/Solid____(QTY)
❑ TCLP____(QTY)
❑ Drinking Water____(QTY)
❑ Waste Water____(QTY)
❑ Dust Wipe Furnace (wipe type____)____(QTY)

Mold - Direct Microscopic Analysis
❑ Collection Apparatus for Spore Traps:____
❑ Spore-Trap____(QTY) ❑ Bulk____(QTY)
❑ Surface Swab____(QTY) ❑ Surface Vacuum Dust____(QTY)
❑ Surface Tape____(QTY) ❑ Other (Specify____)____(QTY)

SAMPLE INFORMATION					ANALYSIS					MATRIX							CLIENT CONTACT (LABORATORY STAFF ONLY)
CLIENT ID NUMBER	SAMPLE LOCATION/ IDENTIFICATION	DATE	VOLUME (LITERS)	WIPE AREA	TEM	PCM	PLM	LEAD	MOLD	AIR	BULK	DUST	WATER AND OTHER	SPORE TRAP	TAPE	SWAB	
08535-7 005-25		5/14															Date/Time: Contact: By:
↓		↓															
08535-7 015-46																	
		↓					↓				↓						Date/Time: Contact: By:
																	Date/Time: Contact: By:

LABORATORY STAFF ONLY: (CUSTODY)

1. Date/Time RCVD: 5 / 14 / 08 @ 1515 Via: DO By (Print): Susan Watson Sign:
2. Date/Time Analyzed: ____ / ____ / ____ @ ____ By (Print): ____ Sign: ____
3. Results Reported To: ____ Via: ____ Date: ____ / ____ / ____ Time: ____ Initials: ____
4. Comments: ____

AMA Analytical Services, Inc.

A Specialized Environmental Laboratory

CERTIFICATE OF ANALYSIS

NVLAP 101143-0

May-15-2009 11:03AM P. 1 No.3268

Client:	Aerosol Monitoring & Analysis, Inc	**Job Name:**	NMAH	**Chain Of Custody:**	184418
Address:	PO Box 646, 1331 Ashton Road	**Job Location:**	Washington DC	**Date Analyzed:**	5/15/2009
	Hanover, Maryland 21076	**Job Number:**	08575-7	**Person Submitting:**	Brooke Wilt
		P.O. Number:	Not Provided		

Attention: Gary Urban

Summary of Polarized Light Microscopy

AMA Sample Number	Client Sample #	Total Asbestos	Chrysotile Percent	Amosite Percent	Crocidolite Percent	Other Asbestos Percent	Mineral Wool Percent	Fiberglass Percent	Organic Percent	Synthetic Percent	Other Percent	Particulate Percent	Sample Color	Homogeneity	Analyst ID	Comments
0942240	08375-705B-25	NAD	--	--	--	--	--	--	--	--	--	100	Green	Homogeneous	PC	
0942241	08375-705B-26	NAD	--	--	--	--	2	--	--	--	2	96	White	Homogeneous	PC	
0942242	08375-705B-27	NAD	--	--	--	--	--	--	--	--	4	96	Red	Homogeneous	PC	
0942243	08375-705B-28	NAD	--	--	--	--	3	--	--	--	3	94	Brown	Homogeneous	PC	
0942244	08375-705B-29	NAD	--	--	--	--	--	--	5	--	--	95	White	Homogeneous	PC	
0942245	08375-705B-30	NAD	--	--	--	--	2	--	--	--	2	96	White	Homogeneous	PC	
0942246	08375-705B-31	NAD	--	--	--	--	--	--	--	--	--	100	White	Homogeneous	PC	
0942247	08375-705B-32	NAD	--	--	--	--	--	--	--	--	--	100	White	Homogeneous	PC	
0942248	08375-705B-33	NAD	--	--	--	--	--	--	--	--	--	100	White	Homogeneous	PC	
0942249	08375-705B-34	NAD	--	--	--	--	--	--	--	--	2	98	Brown	Homogeneous	PC	
0942250	08375-705B-35	NAD	--	--	--	--	TR	TR	--	--	2	98	White	Homogeneous	PC	
0942251	08375-705B-36	NAD	--	--	--	--	--	--	--	--	5	95	White	Homogeneous	PC	
0942252	08375-705B-37	NAD	--	--	--	--	--	--	--	--	5	95	Red	Homogeneous	PC	
0942253	08375-705B-38	NAD	--	--	--	--	--	--	--	--	4	96	Tan	Homogeneous	PC	
0942254	08375-705B-39	NAD	--	--	--	--	--	--	--	--	4	96	Tan	Homogeneous	PC	

Received Time May. 15. 11:25AM

is report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is mitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, ations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. NVLAP accreditation applies only to polarized light microscopy of bulk samples and ansmission electron microscopy of AHERA air samples. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. All rights reserved. IA Analytical Services, Inc.

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A Specialized Environmental Laboratory

CERTIFICATE OF ANALYSIS

NVLAP® 101143-0

Client:	Aerosol Monitoring & Analysis, Inc	**Job Name:**	NMAH	**Chain Of Custody:**	184418
Address:	PO Box 646, 1331 Ashton Road	**Job Location:**	Washington DC	**Date Analyzed:**	5/15/2009
	Hanover, Maryland 21076	**Job Number:**	08575-7	**Person Submitting:**	Brooke Wilt
		P.O. Number:	Not Provided		

Attention: Gary Urban

Summary of Polarized Light Microscopy

AMA Sample Number	Client Sample #	Total Asbestos	Chrysotile Percent	Amosite Percent	Crocidolite Percent	Other Asbestos Percent	Mineral Wool Percent	Fiberglass Percent	Organic Percent	Synthetic Percent	Other Percent	Particulate Percent	Sample Color	Homogeneity	Analyst ID	Comments
0942255	08375-705B-40	NAD	--	--	--	--	--	--	--	--	--	100	White	Homogeneous	PC	
0942256	08375-705B-41	NAD	--	--	--	--	--	--	--	--	--	100	White	Homogeneous	PC	
0942257	08375-705B-42	NAD	--	--	--	--	--	--	--	--	--	100	White	Homogeneous	PC	
0942258	08375-705B-43	NAD	--	--	--	--	--	--	--	--	--	100	White	Homogeneous	PC	
0942259	08375-705B-44	NAD	--	--	--	--	TR	--	TR	--	2	98	White	Homogeneous	PC	
0942260	08375-705B-45	NAD	--	--	--	--	TR	--	2	--	2	96	White	Homogeneous	PC	
0942261	08375-705B-46	NAD	--	--	--	--	TR	--	TR	--	--	100	Brown	Homogeneous	PC	

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May-15-2009 11:03AM

Received Time May. 15. 11:25AM

AMA Analytical Services, Inc.

A Specialized Environmental Laboratory

CERTIFICATE OF ANALYSIS

NVLAP 101143-0

No. 3268 P. 3

Client:	Aerosol Monitoring & Analysis, Inc	**Job Name:**	NMAH	**Chain Of Custody:**	184418
Address:	PO Box 646, 1331 Ashton Road	**Job Location:**	Washington DC	**Date Analyzed:**	5/15/2009
	Hanover, Maryland 21076	**Job Number:**	08575-7	**Person Submitting:**	Brooke Wilt
		P.O. Number:	Not Provided		
Attention:	Gary Urban				

Summary of Polarized Light Microscopy

AMA Sample Number	Client Sample #	Total Asbestos	Chrysotile Percent	Amosite Percent	Crocidolite Percent	Other Asbestos Percent	Mineral Wool Percent	Fiberglass Percent	Organic Percent	Synthetic Percent	Other Percent	Particulate Percent	Sample Color	Homogeneity	Analyst ID	Comments

The following footnotes only apply to those samples which the total asbestos result is flagged with a note number.

1 TEM RECOMMENDATION - Please note, due to resolution limitations with optical microscopy and/or interference from matrix components of this sample, results which are reported via PLM as negative or trace (<1%) for asbestos may contain a significant quantity of asbestos. It is recommended that the additional analytical technique of TEM be used to check for asbestos fibers below the resolution limits of optical microscopy.

2 MATRIX REDUCTION RECOMMENDATION - Please note, due to interference from the matrix components of this sample, results which are reported via PLM as negative or trace (<1%) for asbestos may contain a significant quantity of asbestos which is obscured from view. It is recommended that the additional preparation technique of gravimetric reduction be performed on this sample to minimize the obscuring effects of matrix components, followed by reanalysis by PLM and/or TEM.

Analysis Method - EPA/600/R-93/116 dated July 1993

NAD = "No Asbestos Detected" TR = "Trace equals less than 1% of this component"

Uncertainty: For samples containing asbestos in range of 1-10% the CV is 0.43, 11-35% CV=0.55, >35 CV=0.23

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May. 15. 2009 11:03AM

Received Time May. 15. 11:25AM

is report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is mitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, ations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of s information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. NVLAP accreditation applies only to polarized light microscopy of bulk samples and nsmission electron microscopy of AHERA air samples. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. All rights reserved. 1A Analytical Services, Inc.

Aerosol Monitoring & Analysis, Inc.

Bulk Sampling Survey Sheet

Date Collected 5/18/09 **Address:** 1331 ASHTON BD. **Company:** AMA

Job Number: 08375-7 HANOVER, MD 21076 **Telephone Number:** (410)684-3327

Job Site NMAH **Contact Person:** GARY URBAN **Samples Taken By:** B. WILT / K. RUBELING

Chain of Custody #:

Sample Number	Type of Material Sampled	Sample Location	Friable	Condition of the Material	Accessibility	Photo	Comments
08375-7 0578 01	Cementitious material on Beam bottoms (rough coat)	Area 1051, 1st floor 25' from N wall 50' from E wall, Appr 15' high at damage	[X] Yes [ ] No [ ] Potentially	[ ] Good [X] Fair [ ] Poor	[X] Low [ ] Medium [ ] High	[ ] Yes [X] No #	
02	↓	Area 1051, 1st floor 10' from S wall 10' from W wall 15' up	[X] Yes [ ] No [ ] Potentially	[ ] Good [X] Fair [ ] Poor	[X] Low [ ] Medium [ ] High	[ ] Yes [X] No #	
03	Cementitious material on Beam Bottoms (smooth)	Area 5062, 5th floor 10' from W wall, 20' from S wall, 9' up	[X] Yes [ ] No [ ] Potentially	[ ] Good [X] Fair [ ] Poor	[X] Low [ ] Medium [ ] High	[ ] Yes [X] No #	
04	↓	Area 5062, 5th Floor 5' from E wall, 15' from N wall, 8' up	[X] Yes [ ] No [ ] Potentially	[ ] Good [X] Fair [ ] Poor	[X] Low [ ] Medium [ ] High	[ ] Yes [X] No #	
↓ 05	Cementitious material on Beam bottoms (smooth)	Loading dock basement along N wall, 20' from E wall, 12' high	[X] Yes [ ] No [ ] Potentially	[ ] Good [X] Fair [ ] Poor	[X] Low [ ] Medium [ ] High	[ ] Yes [X] No #	

(Revised 8/01)

Aerosol Monitoring & Analysis, Inc.

Bulk Sampling Survey Sheet

Date Collected 5/18/09 **Address:** 1331 Ashton Rd **Company:** AMA

Job Number: 08375-7 Hanover MD 21076 **Telephone Number:** (410) 684-8327

Job Site NMAH **Contact Person:** Gary Urban **Samples Taken By:** B. Wilt / K. Dempsey

Chain of Custody #:

Sample Number	Type of Material Sampled	Sample Location	Friable	Condition of the Material	Accessibility	Photo	Comments
08375-7 0518 06	cementitious material on steam bottoms (smooth)	loading dock, basement 20' from N wall, 10' from E wall, 12' high	☒ Yes ☐ No ☐ Potentially	☐ Good ☒ Fair ☐ Poor	☒ Low ☐ Medium ☐ High	☐ Yes ☒ No #	
			☐ Yes ☐ No ☐ Potentially	☐ Good ☐ Fair ☐ Poor	☐ Low ☐ Medium ☐ High	☐ Yes ☐ No #	
			☐ Yes ☐ No ☐ Potentially	☐ Good ☐ Fair ☐ Poor	☐ Low ☐ Medium ☐ High	☐ Yes ☐ No #	
			☐ Yes ☐ No ☐ Potentially	☐ Good ☐ Fair ☐ Poor	☐ Low ☐ Medium ☐ High	☐ Yes ☐ No #	
			☐ Yes ☐ No ☐ Potentially	☐ Good ☐ Fair ☐ Poor	☐ Low ☐ Medium ☐ High	☐ Yes ☐ No #	

(Revised 01/04)

AMA Analytical Services, Inc.
Focused on Results
AIHA (#100470) NVLAP (#101143-0) NY ELAP (10920)
4475 Forbes Blvd. • Lanham, MD 20706
(301) 459-2640 • (800) 346-0961 • Fax (301) 459-2643
www.amalab.com

CHAIN OF CUSTODY

(Please Refer To This Number For Inquires) 184888

Mailing/Billing Information:

1. Client Name: _____
2. Address 1: _____
3. Address 2: _____
4. Address 3: _____
5. Phone #: _____ Fax #: _____

Submittal Information:

1. Job Name: _____
2. Job Location: _____
3. Job #: _____ P.O. #: _____
4. Contact Person: _____ @ phone # _____
5. Submitted by: _____ Signature: _____

Reporting Information (Results will be provided as soon as technically feasible):

AFTER HOURS (must be pre-scheduled)	NORMAL BUSINESS HOURS	REPORT TO:
❑ Immediate Date Due: _____ ❑ 24 Hours Time Due: _____ Comments: _____	❑ Immediate ❑ 3 Day ❑ Next Day ❑ 5 Day + ❑ 2 Day Date Due: 5/18/07 ❑ Results Required By Noon (EveryAttempt Will Be Made to Accomodate)	❑ Include COC/Field Data Sheets with Report ❑ Email: _____ @ _____ ❑ Fax: _____ ❑ Verbals: _____

Asbestos Analysis

PCM Air – Please Indicate Filter Type:
PC MCE Porosity____ in a 25mm 37mm
❑ NIOSH 7400_____(QTY)
❑ Fiberglass _____(QTY)

TEM Air – Please Indicate Filter Type:
PC MCE Porosity____ in a 25mm 37mm
❑ AHERA _____(QTY)
❑ NIOSH 7402 _____(QTY)
❑ Other (specify_____)_____(QTY)

PLM Bulk
❑ EPA 600 – Visual Estimate_____(QTY)
❑ EPA Point Count_____(QTY)
❑ NY State Friable 198.1_____(QTY)
❑ Grav. Reduction ELAP 198.6_____(QTY)
❑ Other (specify_____)_____(QTY)

TEM Bulk
❑ ELAP 198.4/Chatfield_____(QTY)
❑ NY State PLM/TEM_____(QTY)
❑ Residual Ash_____(QTY)

TEM Dust
❑ Qual. (pres/abs) Vacuum/Dust_____(QTY)
❑ Quan. (s/area) Vacuum D5755-95_____(QTY)
❑ Quan. (s/area)Dust D6480-99_____(QTY)

TEM Water
❑ Qual. (pres/abs)_____(QTY)
❑ ELAP 198.2/EPA 100.2_____(QTY)
❑ EPA 100.1_____(QTY)

❑ All samples received in good condition unless otherwise noted.
(TEM Water samples _____°C)

Lead Analysis
❑ Paint Chip_____(QTY)
❑ Dust Wipe (wipe type_____)_____(QTY)
❑ Air_____(QTY)
❑ Soil/Solid_____(QTY)
❑ TCLP_____(QTY)
❑ Drinking Water_____(QTY)
❑ Waste Water_____(QTY)
❑ Dust Wipe Furnace (wipe type_____)_____(QTY)

Mold - Direct Microscopic Analysis
❑ Collection Apparatus for Spore Traps: _____
❑ Spore-Trap _____(QTY) ❑ Bulk _____(QTY)
❑ Surface Swab _____(QTY) ❑ Surface Vacuum Dust _____(QTY)
❑ Surface Tape _____(QTY) ❑ Other (Specify_____)_____(QTY)

SAMPLE INFORMATION / **ANALYSIS** / **MATRIX**

CLIENT ID NUMBER	SAMPLE LOCATION/ IDENTIFICATION	DATE	VOLUME (LITERS)	WIPE AREA	TEM	PCM	PLM	LEAD	MOLD	AIR	BULK	DUST	WATER AND OTHER	SPORE TRAP	TAPE	SWAB	CLIENT CONTACT (LABORATORY STAFF ONLY)
[illegible]		5/18															Date/Time: Contact: By:
[illegible]																	
																	Date/Time: Contact: By:
																	Date/Time: Contact: By:

LABORATORY STAFF ONLY: (CUSTODY)

1. Date/Time RCVD: 5 / 18 / 07 @ 15:00 Via: DC By (Print): Sunil Watson Sign: [signature]
2. Date/Time Analyzed: ____ / ____ / ____ @ ____ By (Print): _____ Sign: _____
3. Results Reported To: _____ Via: _____ Date: ____ / ____ / ____ Time: _____ Initials: _____
4. Comments: _____

AMA Analytical Services, Inc.

A Specialized Environmental Laboratory

CERTIFICATE OF ANALYSIS

NVLAP® 101143-0

Client:	Aerosol Monitoring & Analysis, Inc	**Job Name:**	NMAH	**Chain Of Custody:**	184888
Address:	PO Box 646, 1331 Ashton Road	**Job Location:**	Washington DC	**Date Analyzed:**	5/19/2009
	Hanover, Maryland 21076	**Job Number:**	08375-7	**Person Submitting:**	Brook Wait
		P.O. Number:	Not Provided		

Attention: Gary Urban

Summary of Polarized Light Microscopy

AMA Sample Number	Client Sample #	Total Asbestos	Chrysotile Percent	Amosite Percent	Crocidolite Percent	Other Asbestos Percent	Mineral Wool Percent	Fiberglass Percent	Organic Percent	Synthetic Percent	Other Percent	Particulate Percent	Sample Color	Homogeneity	Analyst ID	Comments
0942588	08375-7 0518 01	NAD	--	--	--	--	--	--	--	--	--	100	Gray	Homogeneous	LBP	
0942589	08375-7 0518 02	NAD	--	--	--	--	--	--	--	--	--	100	Gray	Homogeneous	LBP	
0942590	08375-7 0518 03	NAD	--	--	--	--	--	--	--	--	--	100	Gray	Homogeneous	LBP	
0942591	08375-7 0518 04	NAD	--	--	--	--	--	--	--	--	--	100	Gray	Homogeneous	LBP	
0942592	08375-7 0518 05	NAD	--	--	--	--	--	--	--	--	--	100	Gray	Homogeneous	LBP	
0942593	08375-7 0518 06	NAD	--	--	--	--	--	--	--	--	--	100	Gray	Homogeneous	LBP	

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AMA Analytical Services, Inc.

A Specialized Environmental Laboratory

CERTIFICATE OF ANALYSIS

NVLAP® 101143-0

Client:	Aerosol Monitoring & Analysis, Inc	**Job Name:**	NMAH	**Chain Of Custody:**	184888
Address:	PO Box 646, 1331 Ashton Road	**Job Location:**	Washington DC	**Date Analyzed:**	5/19/2009
	Hanover, Maryland 21076	**Job Number:**	08375-7	**Person Submitting:**	Brook Walt
		P.O. Number:	Not Provided		

Attention: Gary Urban

Summary of Polarized Light Microscopy

AMA Sample Number	Client Sample #	Total Asbestos	Chrysotile Percent	Amosite Percent	Crocidolite Percent	Other Asbestos Percent	Mineral Wool Percent	Fiberglass Percent	Organic Percent	Synthetic Percent	Other Percent	Particulate Percent	Sample Color	Homogeneity	Analyst ID	Comments

The following footnotes only apply to those samples which the total asbestos result is flagged with a note number.

1 TEM RECOMMENDATION - Please note, due to resolution limitations with optical microscopy and/or interference from matrix components of this sample, results which are reported via PLM as negative or trace (<1%) for asbestos may contain a significant quantity of asbestos. It is recommended that the additional analytical technique of TEM be used to check for asbestos fibers below the resolution limits of optical microscopy.

2 MATRIX REDUCTION RECOMMENDATION - Please note, due to interference from the matrix components of this sample, results which are reported via PLM as negative or trace (<1%) for asbestos may contain a significant quantity of asbestos which is obscured from view. It is recommended that the additional preparation technique of gravimetric reduction be performed on this sample to minimize the obscuring effects of matrix components, followed by reanalysis by PLM and/or TEM.

Analysis Method - EPA/600/R-93/116 dated July 1993

NAD = "No Asbestos Detected" TR = "Trace equals less than 1% of this component"

Uncertainty: For samples containing asbestos in range of 1-10% the CV is 0.43, 11-35% CV=0.55, >35 CV=0.23

Lom Butruk

Lom Butruk

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Aerosol Monitoring & Analysis, Inc.

Bulk Sampling Survey Sheet

Date Collected: 5-22-09 | Address: 1331 Ashton Rd | Company: AMA

Job Number: 08375-7 | Hanover MD | Telephone Number: (410) 684 - 3327

Job Site: NMAH | Contact Person: Gary Urban | Samples Taken By: B. Wilt/R. Stallard

Chain of Custody #: 104889

Sample Number	Type of Material Sampled	Sample Location	Friable	Condition of the Material	Accessibility	Photo	Comments
08375-7 0522 01	Drywall joint compound	Area 2303, 2nd Floor 20' E of W wall 15' S of N wall, 2" up	☐ Yes ☒ No ☐ Potentially	☐ Good ☒ Fair ☐ Poor	☐ Low ☒ Medium ☐ High	☐ Yes ☒ No #	
02		Area 2303, 2nd Floor 35' S of N wall, 10 E of W wall, 1' up	☐ Yes ☒ No ☐ Potentially	☐ Good ☒ Fair ☐ Poor	☐ Low ☒ Medium ☐ High	☐ Yes ☒ No #	
03		Area 2303, 2nd Floor 10' N of S wall 40' E of W wall, 1' up	☐ Yes ☒ No ☐ Potentially	☐ Good ☐ Fair ☒ Poor	☐ Low ☒ Medium ☐ High	☐ Yes ☒ No #	
04		Area 2303, 2nd Floor 10' N of S wall, 4 W of E wall, 2" up	☐ Yes ☒ No ☐ Potentially	☐ Good ☒ Fair ☐ Poor	☐ Low ☒ Medium ☐ High	☐ Yes ☒ No #	NE corner exterior of former house Exhibit
			☐ Yes ☐ No ☐ Potentially	☐ Good ☐ Fair ☐ Poor	☐ Low ☐ Medium ☐ High	☐ Yes ☒ No #	

AMA Analytical Services, Inc.
Focused on Results
AIHA (#100470) NVLAP (#101143-0) NY ELAP (10920)
4475 Forbes Blvd. • Lanham, MD 20706
(301) 459-2640 • (800) 346-0961 • Fax (301) 459-2643
www.amalab.com

CHAIN OF CUSTODY

(Please Refer To This Number For Inquires) 184889

Mailing/Billing Information:

1. Client Name: [illegible]
2. Address 1: [illegible]
3. Address 2: [illegible]
4. Address 3:
5. Phone #: [illegible] Fax #: [illegible]

Submittal Information:

1. Job Name: [illegible]
2. Job Location: [illegible]
3. Job #: [illegible] P.O. #:
4. Contact Person: [illegible] @ phone # [illegible]
5. Submitted by: [illegible] Signature: [illegible]

Reporting Information (Results will be provided as soon as technically feasible):

AFTER HOURS (must be pre-scheduled)	NORMAL BUSINESS HOURS	REPORT TO:
❑ Immediate Date Due:	❑ Immediate ❑ 3 Day	❑ Include COC/Field Data Sheets with Report
❑ 24 Hours Time Due:	❑ Next Day ❑ 5 Day +	❑ Email: @
Comments:	☑ 2 Day Date Due: 5/27/09	❑ Fax:
	❑ Results Required By Noon (Every Attempt Will Be Made to Accomodate)	❑ Verbals:

Asbestos Analysis

PCM Air – Please Indicate Filter Type:
PC MCE Porosity____ in a 25mm 37mm
❑ NIOSH 7400____(QTY)
❑ Fiberglass____(QTY)

TEM Air – Please Indicate Filter Type:
PC MCE Porosity____ in a 25mm 37mm
❑ AHERA____(QTY)
❑ NIOSH 7402____(QTY)
❑ Other (specify____)____(QTY)

PLM Bulk
☑ EPA 600 – Visual Estimate 4 (QTY)
❑ EPA Point Count____(QTY)
❑ NY State Friable 198.1____(QTY)
❑ Grav. Reduction ELAP 198.6____(QTY)
❑ Other (specify____)____(QTY)

TEM Bulk
❑ ELAP 198.4/Chatfield____(QTY)
❑ NY State PLM/TEM____(QTY)
❑ Residual Ash____(QTY)

TEM Dust
❑ Qual. (pres/abs) Vacuum/Dust____(QTY)
❑ Quan. (s/area) Vacuum D5755-95____(QTY)
❑ Quan. (s/area)Dust D6480-99____(QTY)

TEM Water
❑ Qual. (pres/abs)____(QTY)
❑ ELAP 198.2/EPA 100.2____(QTY)
❑ EPA 100.1____(QTY)

❑ All samples received in good condition unless otherwise noted.
(TEM Water samples ____ °C)

Lead Analysis
❑ Paint Chip____(QTY)
❑ Dust Wipe (wipe type____)____(QTY)
❑ Air____(QTY)
❑ Soil/Solid____(QTY)
❑ TCLP____(QTY)
❑ Drinking Water____(QTY)
❑ Waste Water____(QTY)
❑ Dust Wipe Furnace (wipe type____)____(QTY)

Mold - Direct Microscopic Analysis
❑ Collection Apparatus for Spore Traps:
❑ Spore-Trap____(QTY) ❑ Bulk____(QTY)
❑ Surface Swab____(QTY) ❑ Surface Vacuum Dust____(QTY)
❑ Surface Tape____(QTY) ❑ Other (Specify____)____(QTY)

SAMPLE INFORMATION					ANALYSIS							MATRIX					CLIENT CONTACT (LABORATORY STAFF ONLY)
CLIENT ID NUMBER	SAMPLE LOCATION/ IDENTIFICATION	DATE	VOLUME (LITERS)	WIPE AREA	TEM	PCM	PLM	LEAD	MOLD	AIR	BULK	DUST	WATER AND OTHER	SPORE TRAP	TAPE	SWAB	
08525-7 0558 01		05/22					↓				↓						Date/Time: Contact: By:
↓		↓															
08525-7 0558 04		↓					↓				↓						
																	Date/Time: Contact: By:
																	Date/Time: Contact: By:

LABORATORY STAFF ONLY: (CUSTODY)

1. Date/Time RCVD: 5 / 22 / 09 @ 1620 Via: [illegible] By (Print): [illegible] Sign: [illegible]
2. Date/Time Analyzed: ____ / ____ / ____ @ ____ By (Print): ____ Sign: ____
3. Results Reported To: ____ Via: ____ Date: ____ / ____ / ____ Time: ____ Initials: ____
4. Comments: ____

AMA Analytical Services, Inc.

A Specialized Environmental Laboratory

CERTIFICATE OF ANALYSIS

NVLAP 101143-0

Client:	Aerosol Monitoring & Analysis, Inc	**Job Name:**	NMAH	**Chain Of Custody:**	184889
Address:	PO Box 646, 1331 Ashton Road	**Job Location:**	Washington DC	**Date Analyzed:**	5/27/2009
	Hanover, Maryland 21076	**Job Number:**	08375-7	**Person Submitting:**	Brooke Wilt
		P.O. Number:	Not Provided		

Attention: Gary Urban

Summary of Polarized Light Microscopy

AMA Sample Number	Client Sample #	Total Asbestos	Chrysotile Percent	Amosite Percent	Crocidolite Percent	Other Asbestos Percent	Mineral Wool Percent	Fiberglass Percent	Organic Percent	Synthetic Percent	Other Percent	Particulate Percent	Sample Color	Homogeneity	Analyst ID	Comments
0943818	08375-7 0522 01	NAD	–	–	–	–	–	–	–	–	–	100	White	Homogeneous	PC	
0943819	08375-7 0522 02	NAD	–	–	–	–	–	–	–	–	–	100	White	Homogeneous	PC	
0943820	08375-7 0522 03	NAD	–	–	–	–	–	–	–	–	–	100	White	Homogeneous	PC	
0943821	08375-7 0522 04	NAD	–	–	–	–	–	–	–	–	–	100	White	Homogeneous	PC	

The following footnotes only apply to those samples which the total asbestos result is flagged with a note number.

1 TEM RECOMMENDATION - Please note, due to resolution limitations with optical microscopy and/or interference from matrix components of this sample, results which are reported via PLM as negative or trace (<1%) for asbestos may contain a significant quantity of asbestos. It is recommended that the additional analytical technique of TEM be used to check for asbestos fibers below the resolution limits of optical microscopy

2 MATRIX REDUCTION RECOMMENDATION - Please note, due to interference from the matrix components of this sample, results which are reported via PLM as negative or trace (<1%) for asbestos may contain a significant quantity of asbestos which is obscured from view. It is recommended that the additional preparation technique of gravimetric reduction be performed on this sample to minimize the obscuring effects of matrix components, followed by reanalysis by PLM and/or TEM.

Analysis Method - EPA/600/R-93/116 dated July 1993

NAD = "No Asbestos Detected" TR = "Trace equals less than 1% of this component"

Uncertainty: For samples containing asbestos in range of 1-10% the CV is 0.43, 11-35% CV=0.55, >35 CV=0.23

P.Chain

Peerawut Chaikeeree

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is bonified and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. NVLAP accreditation applies only to polarized light microscopy of bulk samples and transmission electron microscopy of AHERA air samples. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. All rights reserved. © AMA Analytical Services, Inc.

No. 3351 P. 1

May. 27. 2009 9:39AM

Received Time May. 27. 10:01AM

Aerosol Monitoring & Analysis, Inc.

Bulk Sampling Survey Sheet

Date Collected: 6-8-06 | Address: 1331 Ashton Rd, Hanover MD 21076 | Company: AMA

Job Number: 08315-1 | Telephone Number: (410) 684-3327

Job Site: NMAH | Contact Person: Gary Urban | Samples Taken By: B. Wilt

Chain of Custody #: 190649

Sample Number	Type of Material Sampled	Sample Location	Friable	Condition of the Material	Accessibility	Photo	Comments
08315-1 0608 01	Residual mudded fitting material	Area 4604, inside wall hatch on E wall, 3' up	[X] Yes [ ] No [ ] Potentially	[ ] Good [ ] Fair [X] Poor	[ ] Low [X] Medium [ ] High	[ ] Yes [X] No # 1	on non-asbestos Fiberglass line
			[ ] Yes [ ] No [ ] Potentially	[ ] Good [ ] Fair [ ] Poor	[ ] Low [ ] Medium [ ] High	[ ] Yes [ ] No #	
			[ ] Yes [ ] No [ ] Potentially	[ ] Good [ ] Fair [ ] Poor	[ ] Low [ ] Medium [ ] High	[ ] Yes [ ] No #	
			[ ] Yes [ ] No [ ] Potentially	[ ] Good [ ] Fair [ ] Poor	[ ] Low [ ] Medium [ ] High	[ ] Yes [ ] No #	
			[ ] Yes [ ] No [ ] Potentially	[ ] Good [ ] Fair [ ] Poor	[ ] Low [ ] Medium [ ] High	[ ] Yes [ ] No #	

(Revised 01/04)

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www.amalab.com

CHAIN OF CUSTODY

(Please Refer To This Number For Inquires) 190649

Mailing/Billing Information:

1. Client Name: AMA - CONSULTING
2. Address 1: 1331 ACTION RD
3. Address 2: HANOVER, MD 21076
4. Address 3:
5. Phone #: 410 684 3327 Fax #: 410 684 3284

Submittal Information:

1. Job Name: ST #
2. Job Location: NMAH
3. Job #: 08375-7 P.O. #:
4. Contact Person: GARY MAGAN @ phone # 410.684.3327
5. Submitted by: KOREY PARENTI Signature:

Reporting Information (Results will be provided as soon as technically feasible):

AFTER HOURS (must be pre-scheduled)	NORMAL BUSINESS HOURS	REPORT TO:
❑ Immediate Date Due:	❑ Immediate ❑ 3 Day	☒ Include COC/Field Data Sheets with Report
❑ 24 Hours Time Due:	☒ Next Day ❑ 5 Day +	☒ Email: GARY@ @ AMACONSULTING.COM
Comments:	❑ 2 Day Date Due: 6.9.09 @ 2:00pm	☒ Fax: 410.684.3284
	❑ Results Required By Noon (EveryAttempt Will Be Made to Accomodate)	❑ Verbals:

Asbestos Analysis

PCM Air – Please Indicate Filter Type:
PC MCE Porosity_____ in a 25mm 37mm
❑ NIOSH 7400_____(QTY)
❑ Fiberglass_____(QTY)

TEM Air – Please Indicate Filter Type:
PC MCE Porosity_____ in a 25mm 37mm
❑ AHERA_____(QTY)
❑ NIOSH 7402_____(QTY)
❑ Other (specify_____)_____(QTY)

PLM Bulk
☒ EPA 600 – Visual Estimate 1 (QTY)
❑ EPA Point Count_____(QTY)
❑ NY State Friable 198.1_____(QTY)
❑ Grav. Reduction ELAP 198.6_____(QTY)
❑ Other (specify_____)_____(QTY)

TEM Bulk
❑ ELAP 198.4/Chatfield_____(QTY)
❑ NY State PLM/TEM_____(QTY)
❑ Residual Ash_____(QTY)

TEM Dust
❑ Qual. (pres/abs) Vacuum/Dust_____(QTY)
❑ Quan. (s/area) Vacuum D5755-95_____(QTY)
❑ Quan. (s/area)Dust D6480-99_____(QTY)

TEM Water
❑ Qual. (pres/abs)_____(QTY)
❑ ELAP 198.2/EPA 100.2_____(QTY)
❑ EPA 100.1_____(QTY)

☒ All samples received in good condition unless otherwise noted.
(TEM Water samples _____°C)

Lead Analysis
❑ Paint Chip_____(QTY)
❑ Dust Wipe (wipe type_____)_____(QTY)
❑ Air_____(QTY)
❑ Soil/Solid_____(QTY)
❑ TCLP_____(QTY)
❑ Drinking Water_____(QTY)
❑ Waste Water_____(QTY)
❑ Dust Wipe Furnace (wipe type_____)_____(QTY)

Mold - Direct Microscopic Analysis
❑ Collection Apparatus for Spore Traps:_____
❑ Spore-Trap_____(QTY) ❑ Bulk_____(QTY)
❑ Surface Swab_____(QTY) ❑ Surface Vacuum Dust_____(QTY)
❑ Surface Tape_____(QTY) ❑ Other (Specify_____)_____(QTY)

SAMPLE INFORMATION					ANALYSIS						MATRIX							CLIENT CONTACT (LABORATORY STAFF ONLY)
CLIENT ID NUMBER	SAMPLE LOCATION/ IDENTIFICATION	DATE	VOLUME (LITERS)	WIPE AREA	TEM	PCM	PLM	LEAD	MOLD	AIR	BULK	DUST	WATER AND OTHER	SPORE TRAP	TAPE	SWAB	
08375-706080A	NMAH	6.8.09					10				10						Date/Time: Contact: By:
																	Date/Time: Contact: By:
																	Date/Time: Contact: By:

LABORATORY STAFF ONLY: (CUSTODY)

1. Date/Time RCVD: 6 / 8 / 09 @ 15:30 Via: DO By (Print): Surat Watson Sign:
2. Date/Time Analyzed: ____ / ____ / ____ @ ____ By (Print): ____ Sign: ____
3. Results Reported To: ____ Via: ____ Date: ____ / ____ / ____ Time: ____ Initials: ____
4. Comments: ____

AMA Analytical Services, Inc.

A Specialized Environmental Laboratory

CERTIFICATE OF ANALYSIS

NVLAP 101143-0

No.3460 P. 1

Client:	Aerosol Monitoring & Analysis, Inc	**Job Name:**	SI	**Chain Of Custody:**	190649
Address:	PO Box 646, 1331 Ashton Road	**Job Location:**	NMAH	**Date Analyzed:**	6/9/2009
	Hanover, Maryland 21076	**Job Number:**	08375-7	**Person Submitting:**	Korey Pubelino
		P.O. Number:	Not Provided		

Attention: Gary Urban

Summary of Polarized Light Microscopy

AMA Sample Number	Client Sample #	Total Asbestos	Chrysotile Percent	Amosite Percent	Crocidolite Percent	Other Asbestos Percent	Mineral Wool Percent	Fiberglass Percent	Organic Percent	Synthetic Percent	Other Percent	Particulate Percent	Sample Color	Homogeneity	Analyst ID	Comments
0946445	08375-70608 01	20	–	20	–	–	–	–	–	–	–	80	Off-White	Homogeneous	LBP	

The following footnotes only apply to those samples which the total asbestos result is flagged with a note number.

1 TEM RECOMMENDATION - Please note, due to resolution limitations with optical microscopy and/or interference from matrix components of this sample, results which are reported via PLM as negative or trace (<1%) for asbestos may contain a significant quantity of asbestos. It is recommended that the additional analytical technique of TEM be used to check for asbestos fibers below the resolution limits of optical microscopy

2 MATRIX REDUCTION RECOMMENDATION - Please note, due to interference from the matrix components of this sample, results which are reported via PLM as negative or trace (<1%) for asbestos may contain a significant quantity of asbestos which is obscured from view It is recommended that the additional preparation technique of gravimetric reduction be performed on this sample to minimize the obscuring effects of matrix components, followed by reanalysis by PLM and/or TEM.

Analysis Method - EPA/600/R-93/116 dated July 1993

NAD = "No Asbestos Detected" TR = "Trace equals less than 1% of this component"

Uncertainty- For samples containing asbestos in range of 1-10% the CV is 0.43, 11-35% CV=0.55, >35 CV=0.23

Lom Butruk

Lom Butruk

Jun. 9. 2009 9:08AM

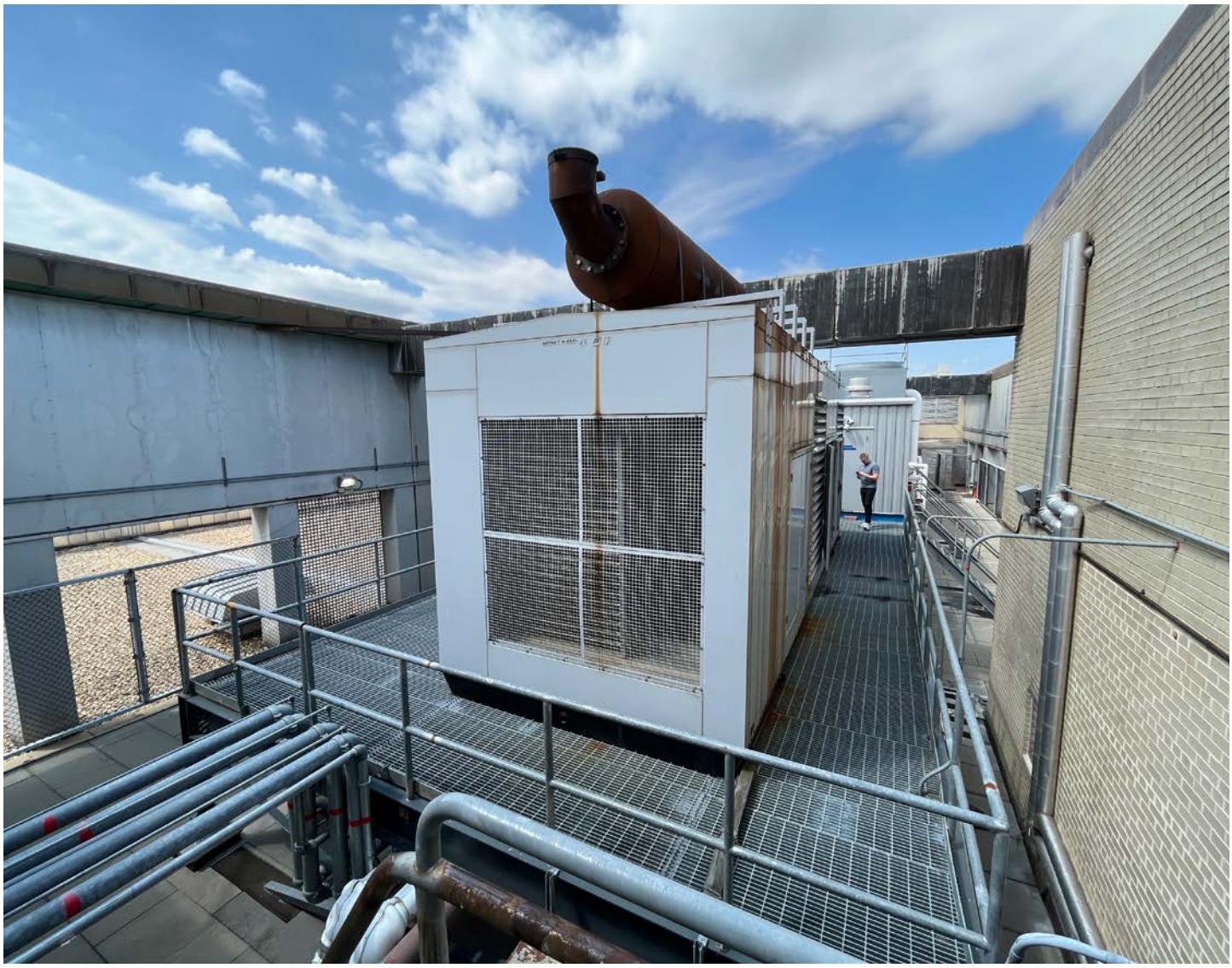
Received Time Jun. 9. 9:31AM

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. NVLAP accreditation applies only to polarized light microscopy of bulk samples and transmission electron microscopy of AHERA air samples. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.

Smithsonian Institution
National Museum of American History

Project #1803117
Install Emergency Generator

100% CONSTRUCTION DOCUMENTS AM&A ASSESSMENT OF ASBESTOS (DATED AUGUST 13, 2009) DEC 1, 2025



Smithsonian Institution

annum

Aerosol Monitoring & Analysis, Inc.

Environmental Consultants

August 13, 2009

Mr. Michael Frazier, Building Envelope Construction Representative
Contract and Assessment Branch
National Museum of Natural History
Smithsonian Institution-MRC-132
10th Street & Constitution Avenue, NW, RM #EG-15
Washington, D.C. 20004

RE: (FINAL) Smithsonian Institution Contract No. F08CC10441-Assessment of Asbestos Containing Materials in Smithsonian Buildings/Facilities/Museums

Bldg: **National Museum of American History (Bldg #031)**

AMA Project #: 08375-7

Mr. Frazier:

Between May 4th and June 8th, 2009 Aerosol Monitoring & Analysis, Inc. (AMA) representatives, Mr. Gary Urban, Mrs. Brooke Wilt, Mr. Korey Rubeling, Mr. Ron Stallard and Mr. Keith Dempsey, conducted an on site inspection of the above referenced building for the purpose of verifying the existing Client provided information regarding asbestos containing materials (ACM) within the building. The work was performed in accordance with the contract requirements, whereas, AMA was to:

1. Compile and Reconcile data and information in the Existing Asbestos Survey Reports and all abatement records, building by building and place into an electronic database;
2. Correlate all existing ACM into a geospatial database that interfaces with SI Facility Center, version 8i;
3. Perform and document a one-time ACM inspection for affected buildings, prioritizing inspected areas requiring abatement and post applicable ACM warning signs;
4. Perform assessments for any suspect ACM not identified under the existing reports or identified as previously abated.

Background Information

National Museum of American History – 031
14th Street and Constitution Avenue, NW
Washington, D.C.

Original Construction Date – **1961**

774,300 square feet

Below Grade – Lower level, Lower level mezzanine, Parking garage, and Loading dock

Above Grade – Smithsonian Early Enrichment Center, 1st Floor, 1st Floor mezzanine, 2nd Floor, 3rd Floor, 3rd Floor mezzanine, 4th Floor, 5th Floor, Lower penthouse, Upper penthouse

Existing Asbestos Documentation – **Hygienetics 1989, Goel 2009**

Pages of Documentation Copied/Scanned – **88 Hygienetics (Scanned by AMA)**
10 Goel (Scanned by AMA)
152 Hygienetics
(Scanned by Smithsonian Institution)

EPA Inspector(s) – **Gary Urban (I/MP 98674, exp. 10/21/09)**
Brooke Wilt (I/MP 102213, exp. 4/29/10)
Korey Rubeling (I/MP 95282, exp. 5/29/10)
Ron Stallard (I/MP 102204, exp. 4/29/10)
Keith Dempsey (I/MP 98616, exp. 10/09/09)

Summary

The initial data provided (Hygienetics 1989, Goel 2009) indicated that asbestos containing materials were limited to the original building in the form of:

Hygienetics:

Calciform and air cell pipe insulation (Removed)
Cementitious pipefitting and hanger insulations (Partial Removal)
Cementitious duct insulation (Partial Removal)
Cementitious air handler insulation (Removed)
Cementitious tank insulation (Removed)
Duct joiner material (Partial Removal)
Sprayed on duct insulation (Removed)
Tar like ceiling (Vapor barrier)*
Vinyl sheet flooring (Removed)
Vinyl floor tile and mastic (Partial Removal)
Brown tar on HVAC (Removed)
Brown sealant on radiators (Removed)
Brown Sealant on fiberglass ducts (Removed)
Acoustical ceiling plaster (Partial Removal)

Sprayed on ceiling material (Removed)
Parapet roofing (Weather proofing ACM backing)
Black cement sink top
White duct seam sealant (Removed)
Cementitious asbestos debris (Removed)
Pipe Insulation (Cardboard -- part of exhibit, not structural)

*AMA believes the material referred to as a tar like ceiling is a vapor barrier adhered to exterior walls for the purpose of moisture control. This material was observed in area 3109 on an exposed structural beam. AMA assumes all exterior walls contain the vapor barrier.

Goel:

Black duct mastic*
White insulation
Mudded elbows
Joint compound (Shipping and Receiving Office)
12" x 12" Floor tile

Note:
The provided Goel documentation was insufficient to determine type and location of each material.

*The black duct mastic was sampled by both Goel and AMA and was determined to be asbestos containing. This material is located on all floors above fixed/drop ceilings or at ceiling level. The mastic is a seam sealant on foil wrapped fiberglass insulation. AMA observed this material throughout the hallways on the 4th and 5th floors and in various accessible areas throughout the museum. It should be noted that the return/supply ductwork may not contain black duct mastic in all locations.

AMA observed that the documented vinyl flooring in some areas had been removed and replaced by 12" x 12" floor tile and in other areas the 12" x 12" covers asbestos containing vinyl floor tile.

AMA was unable to assess areas above ceilings in occupied office areas or curatorial spaces due to possible object disturbance and logistical issues with museum staff. Therefore, black duct mastic, brown duct pin mastic, and asbestos containing pipe and pipe fitting insulation may exist in these locations. Any areas scheduled to be renovated should have a full inspection performed by an accredited inspector prior to any material disturbance.

Smithsonian Institution personnel verbally informed AMA that brown duct pin mastic has been treated as an asbestos containing material. There is no available documentation on this material. It is located throughout the museum on metal ducts associated with paper wrapped and foil wrapped fiberglass insulation. AMA observed brown pin mastic when accessible (fiberglass duct insulation had been partially removed). Green pin mastic was also observed, tested, and found not to contain asbestos. Green pin mastic is located throughout the museum on metal ducts associated with paper wrapped and foil wrapped fiberglass insulation. Due to the application of these mastics under fiberglass insulation, AMA was unable to determine the systemic application of either mastic. Therefore, the geospatial database spreadsheets only contain information regarding observable brown duct pin mastic.

Based on the inspection by AMA and information garnered from Smithsonian Institution personnel, it was determined that a building-core renovation project had occurred between 2006-2008. During that time period, all accessible ACMs were reportedly removed. Additionally, in the late 1990's and early 2000's the mechanical rooms were reportedly abated. These removed materials included **calciform and air cell pipe insulation, cementitious pipefitting and hanger insulations, cementitious duct insulation, cementitious air handler insulation, cementitious tank insulation, brown tar on HVAC, brown sealant on radiators, brown Sealant on fiberglass ducts, acoustical ceiling plaster, sprayed on ceiling material, sprayed on duct insulation, tar like ceiling, vinyl sheet flooring, and vinyl floor tile and mastic.**

AMA also observed the following presumed asbestos-containing materials (PACM) during the inspection:

Fire doors (assumed PACM)
Brown duct pin mastic (PACM)
Elevator cab walls (assumed present)
Elevator brake pads (assumed present)
Elevator door insulation (assumed present)

AMA suggests the addition of PACM to the list of materials at the building for the **fire doors, brown duct pin mastic, elevator cab walls, elevator brake pads, and elevator door insulation.** Throughout the building, fire doors were absent in the initial report, but observed present during the field inspection. Original elevators are assumed to have asbestos containing brake pads and cab wall and door insulation.

The following is a list of ACM and PACM remaining in the building:

<u>Asbestos Containing Materials</u>

Cementitious pipefitting and hanger insulations
Cementitious duct insulation
Vinyl floor tile and mastic
Acoustical ceiling plaster
Parapet roofing (Weather proofing ACM backing)
Black cement sink top
Pipe Insulation (Cardboard)
Black duct mastic
Joint compound (Shipping and Receiving Office)
Tar like ceiling (vapor barrier)

<u>Presumed Asbestos Containing Materials</u>

Brown duct pin mastic
Elevator cab walls (assumed present)
Elevator brake pads (assumed present)
Elevator door insulation (assumed present)

Based on a request by the Smithsonian Institution, AMA collected a total of sixty-one (61) bulk samples. Mrs. Wilt and Mr. Rubeling collected bulk samples of: ***drywall joint compound, cementitious duct mastic, cementitious material on bottom of beams, residual mudded fitting material, white pipe seam sealant on paper, white pipe seam sealant on canvas, white duct seam sealant on foil duct, white duct seam sealant on paper, white duct seam sealant on canvas, red duct seam sealant on metal, brown duct seam sealant on metal, gray duct seam sealant on metal, green duct seam sealant on metal, black duct seam sealant on foil, green pin mastic, brown baseboard mastic, and black mixing chamber mastic.***

Based on the laboratory results, three (3) of the sixty-one (61) samples collected contained >1% asbestos. The three sampled materials identified as asbestos containing are: **drywall joint compound from exterior of loading dock office, black duct mastic on foil wrap and residual cementitious pipe fitting material.**

AMA conducted supplemental drywall joint compound sampling in various locations throughout the building, totaling 18 samples. One sample (located on the exterior of the loading dock office) was determined to contain greater than 1% asbestos, which confirmed existing data. The remaining 17 sample locations were determined not to contain asbestos (Areas: 1051, CB060B, 1041, 1015B, 2000, 3009, 2001, 2003, 3009, 2303). However, it is recommended that joint compound be tested in each area prior to any renovation or demolition activity. AMA was not able to adequately distinguish between the asbestos containing joint compound and the non-asbestos containing joint compound; therefore any un-sampled pre-1980 joint compound located within the building should be treated as an asbestos containing material. AMA included all areas where drywall joint compound was observed in the geo-spatial database (including the core and other recently renovated areas) as "to be determined."

In several areas, the documented flooring had been removed and replaced by 12" x 12" floor tile, which was presumed ACM, as no data was available to determine asbestos content, or replacement dates.

Areas 4403, AB051D, AB024, CB055, CB049, CB050, 1030B, 1030C, and AB043E, were inaccessible at the time of the investigation. AMA representatives were informed security personnel did not have keys to these areas; and are restricted access.

Structures constructed and materials installed after the Hygenetics 1989 Inspection are not included in AMA's assessment per AMA's scope of work (e.g. flooring, ductwork, Early Enrichment Center).

It should be noted that ACM in the form of thermal system insulation (duct mastic and pipe insulation) is likely present within enclosed wall chases serving domestic water lines, and forced air systems throughout the building. These materials, although currently inaccessible, may be impacted if renovations occur that would open wall chase areas.

When available, AMA will affix Warning Signs (labels) to the entrances of routine maintenance areas where ACM or PACM is documented in accordance with the Occupational Safety and Health Administration (OSHA) 29 CFR 1910.1001-Asbestos in General Industry Standard, and the contract requirements.

Damaged Materials

During the inspection, damaged materials were observed in the building in the form of:

Drywall joint compound (Area BB013 / Hygienetics Area Loading Dock, Area 2303A / Hygienetics Area 18th Century America, Area 2200 / Hygienetics Area N/A, Area 1040B / Hygienetics Area Rec Room, Area AB051C / Hygienetics Area AB051, Area B000C1 / Hygienetics Area N/A, Area CB060 / Hygienetics Area CB058, Area BB052A / Hygienetics Area Audio Visual)

The following areas were observed to contain damaged joint compound, however testing revealed no asbestos detected: Area 1041 / Hygienetics Area Dibner Library, Area CB060B / Hygienetics Area Color Lab, Area 1051 / Hygienetics Area Light Machinery, Area 2000 / Hygienetics Area Storage, Area 2003 / Hygienetics Area Storage, Area 2001 / Hygienetics Area Storage, Area 2303 / Hygienetics Area Life in America, Area 3009 / Hygienetics Area Printing.

Vinyl floor tile (Area AB070 / Hygienetics Area Plastic Shop, Area AB068 / Hygienetics Area Materials Testing, Area BB011 / Hygienetics Area Objects Processing, Area CB09 / Hygienetics Area Exhibit Production,, Area AB072 / Hygienetics Area Plastic Shop, Area CB039 / Hygienetics Area Photographic Services)

Cementitious pipe fitting (Areas 1060C/D/E / Hygienetics Area N/A, Area 1045 / Hygienetics Area N/A, Area 4604 / Hygienetics Area 4604)

Cementitious duct insulation (Area 1145F / Hygienetics Area Carmicheal Auditorium Projection Area)

These materials and quantities damaged are noted in the database spreadsheet as indicated by the scope of work.

If you have any questions regarding this summary or the attached data spreadsheet, please contact me at our office.

Sincerely,

Gary L. Urban, CHMM
Vice President-Consulting Services

Attachments:
ACM Data Spreadsheet
Building Drawings

AM&A Report Dated Aug 13 2009 Excel Supplement

BUILDING CODE	LEVEL	ROOM ID	ROOM DESCRIPTION	FULLLOCPATH	ACM / PACM?	MATERIAL TYPE	MATERIAL LOCATION	CONDITION	REFERENCE ID	REFERENCE SOURCE	NEW SAMPLE RESULTS	NOTES
031-001	1	AB000C1		\Locations\NMAH\National Museum of American History\Lower Level\AB000C1	ACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (120 SF)	Good	Plastic Shop	Hygienetics 1989		Green with white specks
031-001	1	AB000C1		\Locations\NMAH\National Museum of American History\Lower Level\AB000C1	ACM	Drywall joint compound	Throughout (400 SF)	Good	Plastic Shop	AMA 2009	To Be Determined	
031-001	1	AB000C2		\Locations\NMAH\National Museum of American History\Lower Level\AB000C2								
031-001	1	AB000V3		\Locations\NMAH\National Museum of American History\Lower Level\AB000V3	ACM	Drywall joint compound	Throughout (720 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	1	AB024	SEWAGE EJECTOR	\Locations\NMAH\National Museum of American History\Lower Level\AB024								
031-001	1	AB025		\Locations\NMAH\National Museum of American History\Lower Level\AB025	ACM	Drywall joint compound	North and West walls (140 SF)	Good	Kitchen	AMA 2009	To Be Determined	
031-001	1	AB025A		\Locations\NMAH\National Museum of American History\Lower Level\AB025A								
031-001	1	AB025B		\Locations\NMAH\National Museum of American History\Lower Level\AB025B								
031-001	1	AB025C		\Locations\NMAH\National Museum of American History\Lower Level\AB025C								
031-001	1	AB025D		\Locations\NMAH\National Museum of American History\Lower Level\AB025D	ACM	Drywall joint compound	Throughout (720 SF)	Good	Kitchen	AMA 2009	To Be Determined	
031-001	1	AB025E		\Locations\NMAH\National Museum of American History\Lower Level\AB025E								
031-001	1	AB025F	COMPRESSOR	\Locations\NMAH\National Museum of American History\Lower Level\AB025F								
031-001	1	AB025G		\Locations\NMAH\National Museum of American History\Lower Level\AB025G	ACM	Black duct seam sealant on foil	Throughout above drop ceiling (1,000 SF)	Good	Kitchen	AMA 2009	3% Chrysotile	
031-001	1	AB025H		\Locations\NMAH\National Museum of American History\Lower Level\AB025H								
031-001	1	AB025J		\Locations\NMAH\National Museum of American History\Lower Level\AB025J								
031-001	1	AB025K	DRY STORAGE	\Locations\NMAH\National Museum of American History\Lower Level\AB025K				0				
031-001	1	AB025L		\Locations\NMAH\National Museum of American History\Lower Level\AB025L								
031-001	1	AB025M		\Locations\NMAH\National Museum of American History\Lower Level\AB025M	ACM	Drywall joint compound	East wall (100 SF)	Good	Kitchen	AMA 2009	To Be Determined	
031-001	1	AB025M		\Locations\NMAH\National Museum of American History\Lower Level\AB025M	PACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (300 SF)	Good	Kitchen	AMA 2009		White with black specks (new)
031-001	1	AB025N		\Locations\NMAH\National Museum of American History\Lower Level\AB025N	ACM	Drywall joint compound	North and East wall (380 SF)	Good	Kitchen	AMA 2009	To Be Determined	
031-001	1	AB025P		\Locations\NMAH\National Museum of American History\Lower Level\AB025P	PACM	Drywall joint compound	East wall (80 SF)	Good	Kitchen	AMA 2009	To Be Determined	
031-001	1	AB025P		\Locations\NMAH\National Museum of American History\Lower Level\AB025P	ACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (224 SF)	Good	Kitchen	AMA 2009		White with black specks (new)
031-001	1	AB025Q	DRY STORAGE	\Locations\NMAH\National Museum of American History\Lower Level\AB025Q	ACM	Drywall joint compound	Throughout (560 SF)	Good	Kitchen	AMA 2009	To Be Determined	
031-001	1	AB026	PUBLIC DINING	\Locations\NMAH\National Museum of American History\Lower Level\AB026	ACM	Drywall joint compound	Throughout (6,500 SF)	Good	Kitchen	AMA 2009	To Be Determined	
031-001	1	AB026A		\Locations\NMAH\National Museum of American History\Lower Level\AB026A	ACM	Drywall joint compound	North and West wall (480 SF)	Good	Kitchen	AMA 2009	To Be Determined	
031-001	1	AB026AA		\Locations\NMAH\National Museum of American History\Lower Level\AB026AA	ACM	Drywall joint compound	South and West wall (400 SF)	Good	Kitchen	AMA 2009	To Be Determined	
031-001	1	AB026B	STAFF DINING	\Locations\NMAH\National Museum of American History\Lower Level\AB026B	ACM	Drywall joint compound	Throughout (1,120 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	1	AB026C1		\Locations\NMAH\National Museum of American History\Lower Level\AB026C1	ACM	Drywall joint compound	Throughout (800 SF)	Good	Kitchen	AMA 2009	To Be Determined	
031-001	1	AB026E		\Locations\NMAH\National Museum of American History\Lower Level\AB026E	ACM	Drywall joint compound	Throughout (1,800 SF)	Good	Kitchen	AMA 2009	To Be Determined	
031-001	1	AB027		\Locations\NMAH\National Museum of American History\Lower Level\AB027	ACM	Drywall joint compound	West wall (108 SF)	Good	Kitchen	AMA 2009	To Be Determined	
031-001	1	AB027A		\Locations\NMAH\National Museum of American History\Lower Level\AB027A								
031-001	1	AB038	WEST MECHANICAL EQUIPMENT	\Locations\NMAH\National Museum of American History\Lower Level\AB038	ACM	Duct joiner material	ACU 9 (1 @ 4' x 4')	Good	AB038	Hygienetics 1989		
031-001	1	AB039		\Locations\NMAH\National Museum of American History\Lower Level\AB039	ACM	Black cement sink top	South and West walls (120 SF)	Good	AB039	Hygienetics 1989		
031-001	1	AB039		\Locations\NMAH\National Museum of American History\Lower Level\AB039	ACM	Drywall joint compound	Throughout (2,880 SF)	Good	AB039	AMA 2009	To Be Determined	
031-001	1	AB039		\Locations\NMAH\National Museum of American History\Lower Level\AB039	PACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (2,760 SF)	Good	AB039	AMA 2009		New
031-001	1	AB039A		\Locations\NMAH\National Museum of American History\Lower Level\AB039A	ACM	Drywall joint compound	Throughout (196 SF)	Good	AB039	AMA 2009	To Be Determined	
031-001	1	AB039B		\Locations\NMAH\National Museum of American History\Lower Level\AB039B								
031-001	1	AB039C		\Locations\NMAH\National Museum of American History\Lower Level\AB039C								
031-001	1	AB039D		\Locations\NMAH\National Museum of American History\Lower Level\AB039D								
031-001	1	AB039E		\Locations\NMAH\National Museum of American History\Lower Level\AB039E								
031-001	1	AB039F		\Locations\NMAH\National Museum of American History\Lower Level\AB039F								
031-001	1	AB039G		\Locations\NMAH\National Museum of American History\Lower Level\AB039G								
031-001	1	AB039H		\Locations\NMAH\National Museum of American History\Lower Level\AB039H								
031-001	1	AB041		\Locations\NMAH\National Museum of American History\Lower Level\AB041								
031-001	1	AB041A		\Locations\NMAH\National Museum of American History\Lower Level\AB041A								
031-001	1	AB050	SECURITY OFFICE	\Locations\NMAH\National Museum of American History\Lower Level\AB050	ACM	Drywall joint compound	Throughout (680 SF)	Good	Security	AMA 2009	To Be Determined	
031-001	1	AB050A		\Locations\NMAH\National Museum of American History\Lower Level\AB050A	ACM	Drywall joint compound	Throughout (280 SF)	Good	Security	AMA 2009	To Be Determined	
031-001	1	AB050A		\Locations\NMAH\National Museum of American History\Lower Level\AB050A	ACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (80 SF)	Good	Security	Hygienetics 1989		Under carpet
031-001	1	AB050B		\Locations\NMAH\National Museum of American History\Lower Level\AB050B	ACM	Drywall joint compound	Throughout (280 SF)	Good	Security	AMA 2009	To Be Determined	
031-001	1	AB050C		\Locations\NMAH\National Museum of American History\Lower Level\AB050C	ACM	Drywall joint compound	Throughout (550 SF)	Good	Security	AMA 2009	To Be Determined	
031-001	1	AB050D		\Locations\NMAH\National Museum of American History\Lower Level\AB050D	ACM	Drywall joint compound	Throughout (800 SF)	Good	Security	AMA 2009	To Be Determined	
031-001	1	AB050E		\Locations\NMAH\National Museum of American History\Lower Level\AB050E	ACM	Drywall joint compound	Throughout (500 SF)	Good	Security	AMA 2009	To Be Determined	
031-001	1	AB050F		\Locations\NMAH\National Museum of American History\Lower Level\AB050F	ACM	Drywall joint compound	Throughout (400 SF)	Good	Security	AMA 2009	To Be Determined	
031-001	1	AB050G		\Locations\NMAH\National Museum of American History\Lower Level\AB050G	ACM	Drywall joint compound	Throughout (400 SF)	Good	Security	AMA 2009	To Be Determined	
031-001	1	AB051		\Locations\NMAH\National Museum of American History\Lower Level\AB051	ACM	Drywall joint compound	Throughout (5,600 SF)	Good	AB051	AMA 2009	To Be Determined	
031-001	1	AB051A		\Locations\NMAH\National Museum of American History\Lower Level\AB051A	ACM	Drywall joint compound	Throughout (1,200 SF)	Good	AB051	AMA 2009	To Be Determined	
031-001	1	AB051B		\Locations\NMAH\National Museum of American History\Lower Level\AB051B	ACM	Drywall joint compound	North, South, West walls (750 SF)	Good	AB051	AMA 2009	To Be Determined	
031-001	1	AB051C		\Locations\NMAH\National Museum of American History\Lower Level\AB051C	PACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (160 SF)	Good	AB051	AMA 2009	To Be Determined	Tan mottle
031-001	1	AB051C		\Locations\NMAH\National Museum of American History\Lower Level\AB051C	ACM	Drywall joint compound	North and East walls (300 SF)	Damaged	AB051	AMA 2009	To Be Determined	1 SF Damaged
031-001	1	AB051D		\Locations\NMAH\National Museum of American History\Lower Level\AB051D								
031-001	1	AB052	OUTGOING LOAN OFFICE	\Locations\NMAH\National Museum of American History\Lower Level\AB052	ACM	Drywall joint compound	Throughout (1,080 SF)	Good	AB052	AMA 2009	To Be Determined	
031-001	1	AB053	SECURITY MANAGER	\Locations\NMAH\National Museum of American History\Lower Level\AB053	ACM	Drywall joint compound	Throughout (600 SF)	Good	AB053	AMA 2009	To Be Determined	
031-001	1	AB053A		\Locations\NMAH\National Museum of American History\Lower Level\AB053A	ACM	Drywall joint compound	Throughout (800 SF)	Good	AB053	AMA 2009	To Be Determined	
031-001	1	AB053B		\Locations\NMAH\National Museum of American History\Lower Level\AB053B	ACM	Drywall joint compound	Throughout (760 SF)	Good	AB053	AMA 2009	To Be Determined	
031-001	1	AB056		\Locations\NMAH\National Museum of American History\Lower Level\AB056								
031-001	1	AB057		\Locations\NMAH\National Museum of American History\Lower Level\AB057								
031-001	1	AB058	MACHINE SHOP	\Locations\NMAH\National Museum of American History\Lower Level\AB058								
031-001	1	AB059	PHOTO PRESERVATION AREA	\Locations\NMAH\National Museum of American History\Lower Level\AB059	ACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (416 SF)	Good	Conservation Lab	Hygienetics 1989		White mottle
031-001	1	AB060	FINE MECHANISM	\Locations\NMAH\National Museum of American History\Lower Level\AB060	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (416 SF)	Good	Conservation Lab	Hygienetics 1989		Tan with brown streaks
031-001	1	AB061	WOOD CONSERVATION SHOP	\Locations\NMAH\National Museum of American History\Lower Level\AB061								
031-001	1	AB062	MACHINE SHOP	\Locations\NMAH\National Museum of American History\Lower Level\AB062	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (416 SF)	Good	Conservation Lab	Hygienetics 1989		
031-001	1	AB062	MACHINE SHOP	\Locations\NMAH\National Museum of American History\Lower Level\AB062	PACM	Fire door	North wall to AB000C2 (4 @ 3' x 7') and West wall to AB068 (2 @3' x 7')	Good	Conservation Lab	AMA 2009		
031-001	1	AB066		\Locations\NMAH\National Museum of American History\Lower Level\AB066	ACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (600 SF)	Good	Materials Testing	Hygienetics 1989		White mottle
031-001	1	AB068		\Locations\NMAH\National Museum of American History\Lower Level\AB068	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (576 SF)	Damaged	Materials Testing	Hygienetics 1989		White with brown streaks (2 SF Damaged)
031-001	1	AB068		\Locations\NMAH\National Museum of American History\Lower Level\AB068	ACM	Drywall joint compound	North and West walls (440 SF)	Good	Materials Testing	AMA 2009	To Be Determined	
031-001	1	AB068		\Locations\NMAH\National Museum of American History\Lower Level\AB068	ACM	Black cement sink top	West wall (20 SF)	Good	Materials Testing	AMA 2009		Table top
031-001	1	AB068A		\Locations\NMAH\National Museum of American History\Lower Level\AB068A	ACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (56 SF)	Good	Plastic Shop	Hygienetics 1989		Green with white specks
031-001	1	AB068A		\Locations\NMAH\National Museum of American History\Lower Level\AB068A	ACM	Drywall joint compound	North, East and West walls (220 SF)	Good	Plastic Shop	AMA 2009	To Be Determined	
031-001	1	AB068B		\Locations\NMAH\National Museum of American History\Lower Level\AB068B	ACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (56 SF)	Good	Plastic Shop	Hygienetics 1989		Green with white specks
031-001	1	AB068B		\Locations\NMAH\National Museum of American History\Lower Level\AB068B	ACM	Drywall joint compound	North, East and West walls (220 SF)	Good	Plastic Shop	AMA 2009	To Be Determined	
031-001	1	AB070	HISTORIC RESTORATION SVC.	\Locations\NMAH\National Museum of American History\Lower Level\AB070	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (1,756 SF)	Damaged	Plastic Shop	Hygienetics 1989		White, tan & brown (30 SF Damaged)
031-001	1	AB070	HISTORIC RESTORATION SVC.	\Locations\NMAH\National Museum of American History\Lower Level\AB070	ACM	Drywall joint compound	East and West walls (640 SF)	Good	Plastic Shop	AMA 2009	To Be Determined	
031-001	1	AB070A		\Locations\NMAH\National Museum of American History\Lower Level\AB070A	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (196 SF)	Good	Plastic Shop	Hygienetics 1989		Under carpet
031-001	1	AB070A		\Locations\NMAH\National Museum of American History\Lower Level\AB070A	ACM	Drywall joint compound	Throughout (640 SF)	Good	Plastic Shop	AMA 2009	To Be Determined	
031-001	1	AB070B		\Locations\NMAH\National Museum of American History\Lower Level\AB070B	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (126 SF)	Good	Plastic Shop	Hygienetics 1989		Under carpet
031-001	1	AB070B		\Locations\NMAH\National Museum of American History\Lower Level\AB070B	ACM	Drywall joint compound	Throughout (460 SF)	Good	Plastic Shop	AMA 2009	To Be Determined	
031-001	1	AB071		\Locations\NMAH\National Museum of American History\Lower Level\AB071								
031-001	1	AB071A		\Locations\NMAH\National Museum of American History\Lower Level\AB071A								
031-001	1	AB071B		\Locations\NMAH\National Museum of American History\Lower Level\AB071B	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (150 SF)	Good	Wood Shop	Hygienetics 1989		Tan with brown streaks
031-001	1	AB071C		\Locations\NMAH\National Museum of American History\Lower Level\AB071C	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (150 SF)	Good	Wood Shop	Hygienetics 1989		Tan with brown streaks
031-001	1	AB071D		\Locations\NMAH\National Museum of American History\Lower Level\AB071D								
031-001	1	AB071E		\Locations\NMAH\National Museum of American History\Lower Level\AB071E								
031-001	1	AB072		\Locations\NMAH\National Museum of American History\Lower Level\AB072	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (1,810 SF)	Damaged	Plastic Shop	Hygienetics 1989		White with brown streaks (40 SF Damaged)
031-001	1	AB072		\Locations\NMAH\National Museum of American History\Lower Level\AB072	ACM	Drywall joint compound	Throughout (1,560 SF)	Good	Plastic Shop	AMA 2009	To Be Determined	
031-001	1	AB073		\Locations\NMAH\National Museum of American History\Lower Level\AB073								
031-001	1	AB073A		\Locations\NMAH\National Museum of American History\Lower Level\AB073A	PACM	Fire door	West wall to AB073 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	1	AB073B		\Locations\NMAH\National Museum of American History\Lower Level\AB073B								
031-001	1	B000C1		\Locations\NMAH\National Museum of American History\Lower Level\B000C1	ACM	Drywall joint compound	Throughout (650 SF)	Damaged	N/A	AMA 2009	To Be Determined	1 SF Damaged
031-001	1	B000C1A		\Locations\NMAH\National Museum of American History\Lower Level\B000C1A	ACM	Drywall joint compound	Throughout (3,000 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	1	B000C10		\Locations\NMAH\National Museum of American History\Lower Level\B000C10								
031-001	1	B000C2		\Locations\NMAH\National Museum of American History\Lower Level\B000C2								
031-001	1	B000C3		\Locations\NMAH\National Museum of American History\Lower Level\B000C3	ACM	Cementitious pipe fittings	Throughout (15 Fittings)	Good	N/A	Hygienetics 1989		
031-001	1	B000C3		\Locations\NMAH\National Museum of American History\Lower Level\B000C3	ACM	Brown duct pin mastic	Throughout (720 SF)	Good	N/A	N/A		
031-001	1	B000C4		\Locations\NMAH\National Museum of American History\Lower Level\B000C4	ACM	Cementitious pipe fittings	Throughout (8 Fittings)	Good	N/A	Hygienetics 1989		
031-001	1	B000C5		\Locations\NMAH\National Museum of American History\Lower Level\B000C5	ACM	Brown duct pin mastic	Throughout (600 SF)	Good	N/A	N/A		
031-001	1	B000C6		\Locations\NMAH\National Museum of American History\Lower Level\B000C6	ACM	Brown duct pin mastic	Throughout (3,456 SF)	Good	N/A	N/A		
031-001	1	B000C7		\Locations\NMAH\National Museum of American History\Lower Level\B000C7	ACM	Brown duct pin mastic	Throughout (2,288 SF)	Good	N/A	N/A		
031-001	1	B000C8		\Locations\NMAH\National Museum of American History\Lower Level\B000C8	PACM	Fire door	South wall to Lobby (2 @ 3' x 8')	Good	N/A	AMA 2009		
031-001	1	B000C9		\Locations\NMAH\National Museum of American History\Lower Level\B000C9	PACM	Fire door	East wall to B000C8 (2 @ 3' x 7') and South wall to B000M2 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	1	B000E1		\Locations\NMAH\National Museum of American History\Lower Level\B000E1								
031-001	1	B000E2		\Locations\NMAH\National Museum of American History\Lower Level\B000E2								
031-001	1	B000E3		\Locations\NMAH\National Museum of American History\Lower Level\B000E3	PACM	Elevator door insulation	North wall (48 SF)	Good	N/A	AMA 2009		Assumed present
031-001	1	B000E3		\Locations\NMAH\National Museum of American History\Lower Level\B000E3	PACM	Elevator cab wall insulation	South, East and West walls (180 SF)	Good	N/A	AMA 2009		Assumed present
031-001	1	B000E3		\Locations\NMAH\National Museum of American History\Lower Level\B000E3	PACM	Elevator brake pads	Throughout (4 Brake pads)	Good	N/A	AMA 2009		Assumed present
031-001	1	B000E4		\Locations\NMAH\National Museum of American History\Lower Level\B000E4								
031-001	1	B000E5		\Locations\NMAH\National Museum of American History\Lower Level\B000E5								
031-001	1	B000E6		\Locations\NMAH\National Museum of American History\Lower Level\B000E6	PACM	Elevator door insulation	North wall (48 SF)	Good	N/A	AMA 2009		Assumed present
031-001	1	B000E6		\Locations\NMAH\National Museum of American History\Lower Level\B000E6	PACM	Elevator cab wall insulation	South, East and West walls (180 SF)	Good	N/A	AMA 2009		Assumed present
031-001	1	B000E6		\Locations\NMAH\National Museum of American History\Lower Level\B000E6	PACM	Elevator brake pads	Throughout (4 Brake pads)	Good	N/A	AMA 2009		Assumed present
031-001	1	B000E7		\Locations\NMAH\National Museum of American History\Lower Level\B000E7	PACM	Elevator brake pads	Throughout (4 Brake pads)	Good	N/A	AMA 2009		Assumed present
031-001	1	B000E7		\Locations\NMAH\National Museum of American History\Lower Level\B000E7	PACM	Elevator cab wall insulation	North, East and West walls (945 SF)	Good	N/A	AMA 2009		Assumed present
031-001	1	B000E8		\Locations\NMAH\National Museum of American History\Lower Level\B000E8	PACM	Elevator brake pads	Throughout (4 Brake pads)	Good	N/A	AMA 2009		Assumed present
031-001	1	B000E8		\Locations\NMAH\National Museum of American History\Lower Level\B000E8	PACM	Elevator cab wall insulation	North, East and West walls (945 SF)	Good	N/A	AMA 2009		Assumed present
031-001	1	B000E9		\Locations\NMAH\National Museum of American History\Lower Level\B000E9	ACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (30 SF)	Good	N/A	Hygienetics 1989		Brown with white streaks
031-001	1	B000E9		\Locations\NMAH\National Museum of American History\Lower Level\B000E9	PACM	Elevator brake pads	Throughout (4 Brake pads)	Good	N/A	AMA 2009		Assumed present

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031-001	1	B000E9		\Locations\NMAH\National Museum of American History\Lower Level\B000E9	PACM	Elevator cab wall insulation	North, South and West walls (128 SF)	Good	N/A	AMA 2009		Assumed present
031-001	1	B000E9		\Locations\NMAH\National Museum of American History\Lower Level\B000E9	PACM	Elevator door insulation	East wall (42 SF)	Good	N/A	AMA 2009		Assumed present
031-001	1	B000ES5		\Locations\NMAH\National Museum of American History\Lower Level\B000ES5								
031-001	1	B000ES6		\Locations\NMAH\National Museum of American History\Lower Level\B000ES6								
031-001	1	B000L1		\Locations\NMAH\National Museum of American History\Lower Level\B000L1								
031-001	1	B000L2		\Locations\NMAH\National Museum of American History\Lower Level\B000L2								
031-001	1	B000L3		\Locations\NMAH\National Museum of American History\Lower Level\B000L3								
031-001	1	B000L4		\Locations\NMAH\National Museum of American History\Lower Level\B000L4								
031-001	1	B000L5		\Locations\NMAH\National Museum of American History\Lower Level\B000L5								
031-001	1	B000L6		\Locations\NMAH\National Museum of American History\Lower Level\B000L6								
031-001	1	B000M10		\Locations\NMAH\National Museum of American History\Lower Level\B000M10								
031-001	1	B000M2	TRANSFORMER VAULT	\Locations\NMAH\National Museum of American History\Lower Level\B000M2	PACM	Fire door	North wall to B000C9 (2 @ 3' x 7'); East wall to B000C8 (2 @ 3' x 7')	Good	AB045	AMA 2009		
031-001	1	B000M3		\Locations\NMAH\National Museum of American History\Lower Level\B000M3	ACM	Cementitious pipe fittings	Throughout (16 Fittings)	Good	Gear Room	Hygienetics 1989		
031-001	1	B000M4	STORM WATER EJECTOR	\Locations\NMAH\National Museum of American History\Lower Level\B000M4								
031-001	1	B000M5	PUMP ROOM	\Locations\NMAH\National Museum of American History\Lower Level\B000M5								
031-001	1	B000M6		\Locations\NMAH\National Museum of American History\Lower Level\B000M6								
031-001	1	B000M7		\Locations\NMAH\National Museum of American History\Lower Level\B000M7								
031-001	1	B000M8		\Locations\NMAH\National Museum of American History\Lower Level\B000M8	PACM	Fire door	East wall to CB067 (2 @ 3' x 7')	Good	CB067	AMA 2009		
031-001	1	B000M9		\Locations\NMAH\National Museum of American History\Lower Level\B000M9								
031-001	1	B000S1		\Locations\NMAH\National Museum of American History\Lower Level\B000S1								
031-001	1	B000S4		\Locations\NMAH\National Museum of American History\Lower Level\B000S4								
031-001	1	B000S5-		\Locations\NMAH\National Museum of American History\Lower Level\B000S5-								
031-001	1	B000S6-		\Locations\NMAH\National Museum of American History\Lower Level\B000S6-								
031-001	1	B000S7		\Locations\NMAH\National Museum of American History\Lower Level\B000S7								
031-001	1	B000S8		\Locations\NMAH\National Museum of American History\Lower Level\B000S8								
031-001	1	B000T1		\Locations\NMAH\National Museum of American History\Lower Level\B000T1								
031-001	1	B000T2		\Locations\NMAH\National Museum of American History\Lower Level\B000T2								
031-001	1	BB000C1		\Locations\NMAH\National Museum of American History\Lower Level\BB000C1	ACM	Drywall joint compound	Throughout (1,000 SF)	Good	Audio Visual	AMA 2009	To Be Determined	
031-001	1	BB000C2		\Locations\NMAH\National Museum of American History\Lower Level\BB000C2	ACM	Drywall joint compound	Throughout (440 SF)	Good	Audio Visual	AMA 2009	To Be Determined	
031-001	1	BB000C3		\Locations\NMAH\National Museum of American History\Lower Level\BB000C3	ACM	Drywall joint compound	Throughout (600 SF)	Good	Audio Visual	AMA 2009	To Be Determined	
031-001	1	BB000C4		\Locations\NMAH\National Museum of American History\Lower Level\BB000C4	ACM	Drywall joint compound	Throughout (1,000 SF)	Good	Audio Visual	AMA 2009	To Be Determined	
031-001	1	BB000C4		\Locations\NMAH\National Museum of American History\Lower Level\BB000C4	ACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (480 SF)	Good	Audio Visual	Hygienetics 1989		
031-001	1	BB000C5		\Locations\NMAH\National Museum of American History\Lower Level\BB000C5	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (250 SF)	Good	Audio Visual	Hygienetics 1989		
031-001	1	BB000C5		\Locations\NMAH\National Museum of American History\Lower Level\BB000C5	ACM	Drywall joint compound	North and East walls (220 SF)	Good	Audio Visual	AMA 2009	To Be Determined	
031-001	1	BB000C6		\Locations\NMAH\National Museum of American History\Lower Level\BB000C6	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (20 SF)	Good	Mezzanine	Hygienetics 1989		
031-001	1	BB000C6		\Locations\NMAH\National Museum of American History\Lower Level\BB000C6	ACM	Drywall joint compound	Throughout walls (90 SF)	Good	Mezzanine	AMA 2009	To Be Determined	
031-001	1	BB000E10		\Locations\NMAH\National Museum of American History\Lower Level\BB000E10	PACM	Elevator door insulation	East wall (48 SF)	Good	N/A	AMA 2009		Assumed present
031-001	1	BB000E10		\Locations\NMAH\National Museum of American History\Lower Level\BB000E10	PACM	Elevator cab wall insulation	South, North and West walls (180 SF)	Good	N/A	AMA 2009		Assumed present
031-001	1	BB000E10		\Locations\NMAH\National Museum of American History\Lower Level\BB000E10	PACM	Elevator brake pads	Throughout (4 Brake pads)	Good	N/A	AMA 2009		Assumed present
031-001	1	BB000S1		\Locations\NMAH\National Museum of American History\Lower Level\BB000S1								
031-001	1	BB000S2		\Locations\NMAH\National Museum of American History\Lower Level\BB000S2	ACM	Drywall joint compound	Throughout (230 SF)	Good	Audio Visual	AMA 2009	To Be Determined	
031-001	1	BB011	OBJECTS PROCESSING FAC.	\Locations\NMAH\National Museum of American History\Lower Level\BB011	ACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (988 SF)	Damaged	Objects Processing	Hygienetics 1989		Brown (2 SF Damaged)
031-001	1	BB011A	VOLUNTEER/INTERN	\Locations\NMAH\National Museum of American History\Lower Level\BB011A								
031-001	1	BB011B		\Locations\NMAH\National Museum of American History\Lower Level\BB011B								
031-001	1	BB011C		\Locations\NMAH\National Museum of American History\Lower Level\BB011C								
031-001	1	BB011D		\Locations\NMAH\National Museum of American History\Lower Level\BB011D	ACM	Drywall joint compound	North and West walls (240 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	1	BB011E		\Locations\NMAH\National Museum of American History\Lower Level\BB011E								
031-001	1	BB011F		\Locations\NMAH\National Museum of American History\Lower Level\BB011F	ACM	Drywall joint compound	Throughout (660 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	1	BB011G		\Locations\NMAH\National Museum of American History\Lower Level\BB011G								
031-001	1	BB012	SHIPPING & RECEIVING OFF.	\Locations\NMAH\National Museum of American History\Lower Level\BB012	ACM	Drywall joint compound	Throughout (540 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	1	BB012A	SHIPPING & RECEIVING OFF.	\Locations\NMAH\National Museum of American History\Lower Level\BB012A	ACM	Drywall joint compound	Throughout (520 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	1	BB013	TRUCK DELIVERY	\Locations\NMAH\National Museum of American History\Lower Level\BB013	ACM	Drywall joint compound	Northwest corner shipping and receiving office (250 SF)	Damaged	Loading Dock	AMA 2009	2% Chrysotile	1 SF Damaged
031-001	1	BB013A	LOADING DOCK SECURITY OFF.	\Locations\NMAH\National Museum of American History\Lower Level\BB013A								
031-001	1	BB013B		\Locations\NMAH\National Museum of American History\Lower Level\BB013B								
031-001	1	BB015	MACHINERY ROOM	\Locations\NMAH\National Museum of American History\Lower Level\BB015	PACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (56 SF)	Good	BB015	AMA 2009		White with brown streaks
031-001	1	BB015A	ENGINEERS CONTROL ROOM	\Locations\NMAH\National Museum of American History\Lower Level\BB015A	ACM	Drywall joint compound	North, South and West walls (330 SF)	Good	BB015	AMA 2009	To Be Determined	
031-001	1	BB015A	ENGINEERS CONTROL ROOM	\Locations\NMAH\National Museum of American History\Lower Level\BB015A	ACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (272 SF)	Good	BB015	Goel 2009	2% Chrysotile	White with gray specks
031-001	1	BB017	OFFSITE STORAGE SERVICES	\Locations\NMAH\National Museum of American History\Lower Level\BB017								
031-001	1	BB017A	MUSEUM SHOP STORAGE	\Locations\NMAH\National Museum of American History\Lower Level\BB017A								
031-001	1	BB017B	OPERATION ENGINEERS	\Locations\NMAH\National Museum of American History\Lower Level\BB017B	PACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (200 SF)	Good	BB017B	AMA 2009		
031-001	1	BB017C	MUSEUM SHOP STORAGE	\Locations\NMAH\National Museum of American History\Lower Level\BB017C								
031-001	1	BB017D		\Locations\NMAH\National Museum of American History\Lower Level\BB017D								
031-001	1	BB017E		\Locations\NMAH\National Museum of American History\Lower Level\BB017E								
031-001	1	BB017F		\Locations\NMAH\National Museum of American History\Lower Level\BB017F								
031-001	1	BB017G		\Locations\NMAH\National Museum of American History\Lower Level\BB017G								
031-001	1	BB017H		\Locations\NMAH\National Museum of American History\Lower Level\BB017H								
031-001	1	BB018	COLD ROOM STORAGE	\Locations\NMAH\National Museum of American History\Lower Level\BB018								
031-001	1	BB023		\Locations\NMAH\National Museum of American History\Lower Level\BB023	ACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (835 SF)	Good	BB023	Hygienetics 1989		Brown mottle / Orange
031-001	1	BB023A		\Locations\NMAH\National Museum of American History\Lower Level\BB023A	ACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (396 SF)	Good	BB023	Hygienetics 1989		Under new linoleum
031-001	1	BB023B		\Locations\NMAH\National Museum of American History\Lower Level\BB023B								
031-001	1	BB023C		\Locations\NMAH\National Museum of American History\Lower Level\BB023C								
031-001	1	BB023D		\Locations\NMAH\National Museum of American History\Lower Level\BB023D								
031-001	1	BB023F		\Locations\NMAH\National Museum of American History\Lower Level\BB023F	ACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (72 SF)	Good	BB023	Hygienetics 1989		Brown
031-001	1	BB023G		\Locations\NMAH\National Museum of American History\Lower Level\BB023G	ACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (144 SF)	Good	BB023	Hygienetics 1989		Under carpet / Brown
031-001	1	BB025	AUDIO VISUAL BRANCH	\Locations\NMAH\National Museum of American History\Lower Level\BB025	ACM	Drywall joint compound	North and south walls (440 SF)	Good	BB025	AMA 2009	To Be Determined	
031-001	1	BB025A		\Locations\NMAH\National Museum of American History\Lower Level\BB025A	ACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (120 SF)	Good	BB025	Hygienetics 1989		Under carpet
031-001	1	BB025A		\Locations\NMAH\National Museum of American History\Lower Level\BB025A	ACM	Drywall joint compound	North wall (120 SF)	Good	BB025	AMA 2009	To Be Determined	
031-001	1	BB025B		\Locations\NMAH\National Museum of American History\Lower Level\BB025B								
031-001	1	BB025D	AUDIO VISUAL BRANCH	\Locations\NMAH\National Museum of American History\Lower Level\BB025D	ACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (260 SF)	Good	BB023	Hygienetics 1989		
031-001	1	BB025D	AUDIO VISUAL BRANCH	\Locations\NMAH\National Museum of American History\Lower Level\BB025D	ACM	Drywall joint compound	North wall (260 SF)	Good	BB023	AMA 2009	To Be Determined	
031-001	1	BB025E		\Locations\NMAH\National Museum of American History\Lower Level\BB025E	ACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (60 SF)	Good	BB023	Hygienetics 1989		Off-white with gray streaks
031-001	1	BB025E		\Locations\NMAH\National Museum of American History\Lower Level\BB025E	PACM	Fire door	West wall to B000C4 (1 @ 3' x 7')	Good	BB023	AMA 2009		
031-001	1	BB028	CUSTODIANS OFFICE	\Locations\NMAH\National Museum of American History\Lower Level\BB028								
031-001	1	BB029		\Locations\NMAH\National Museum of American History\Lower Level\BB029	ACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (854 SF)	Good	N/A	Hygienetics 1989		
031-001	1	BB029A		\Locations\NMAH\National Museum of American History\Lower Level\BB029A	ACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (250 SF)	Good	N/A	Hygienetics 1989		
031-001	1	BB029A		\Locations\NMAH\National Museum of American History\Lower Level\BB029A	ACM	Drywall joint compound	South wall (250 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	1	BB030	TRANSFORMER VAULT	\Locations\NMAH\National Museum of American History\Lower Level\BB030								
031-001	1	BB031	LABOR FOREMAN	\Locations\NMAH\National Museum of American History\Lower Level\BB031	ACM	Drywall joint compound	Throughout (440 SF)	Good	BB031	AMA 2009	To Be Determined	
031-001	1	BB031A	GENERAL FOREMAN	\Locations\NMAH\National Museum of American History\Lower Level\BB031A								
031-001	1	BB032	MAINTENANCE SHOP OFFICE	\Locations\NMAH\National Museum of American History\Lower Level\BB032								
031-001	1	BB032A	MAINTENANCE SHOP	\Locations\NMAH\National Museum of American History\Lower Level\BB032A								
031-001	1	BB033	DOCUMENTATION/PAPER	\Locations\NMAH\National Museum of American History\Lower Level\BB033	ACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (1,144 SF)	Good	BB033	Hygienetics 1989		White with brown specks
031-001	1	BB035	WEST MALL ZONE	\Locations\NMAH\National Museum of American History\Lower Level\BB035	ACM	Drywall joint compound	Throughout (960 SF)	Good	BB036	AMA 2009	To Be Determined	
031-001	1	BB035A		\Locations\NMAH\National Museum of American History\Lower Level\BB035A	ACM	Drywall joint compound	Throughout (480 SF)	Good	BB036	AMA 2009	To Be Determined	
031-001	1	BB035B		\Locations\NMAH\National Museum of American History\Lower Level\BB035B	ACM	Drywall joint compound	Throughout (480 SF)	Good	BB036	AMA 2009	To Be Determined	
031-001	1	BB035C		\Locations\NMAH\National Museum of American History\Lower Level\BB035C								Included in BB035
031-001	1	BB035CA		\Locations\NMAH\National Museum of American History\Lower Level\BB035CA	ACM	Drywall joint compound	Throughout (480 SF)	Good	BB034	AMA 2009	To Be Determined	
031-001	1	BB035CB		\Locations\NMAH\National Museum of American History\Lower Level\BB035CB	ACM	Drywall joint compound	Throughout (600 SF)	Good	BB034	AMA 2009	To Be Determined	
031-001	1	BB035CC		\Locations\NMAH\National Museum of American History\Lower Level\BB035CC	ACM	Drywall joint compound	Throughout (500 SF)	Good	BB034	AMA 2009	To Be Determined	
031-001	1	BB036		\Locations\NMAH\National Museum of American History\Lower Level\BB036								
031-001	1	BB039		\Locations\NMAH\National Museum of American History\Lower Level\BB039	ACM	Drywall joint compound	Throughout (200 SF)	Good	Audio Visual	AMA 2009	To Be Determined	
031-001	1	BB040		\Locations\NMAH\National Museum of American History\Lower Level\BB040	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (150 SF)	Good	N/A	Hygienetics 1989		Tan
031-001	1	BB040		\Locations\NMAH\National Museum of American History\Lower Level\BB040	ACM	Drywall joint compound	North and West walls (140 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	1	BB040A		\Locations\NMAH\National Museum of American History\Lower Level\BB040A								
031-001	1	BB041		\Locations\NMAH\National Museum of American History\Lower Level\BB041	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (140 SF)	Good	Audio Visual	Hygienetics 1989		Under carpet
031-001	1	BB041		\Locations\NMAH\National Museum of American History\Lower Level\BB041	ACM	Drywall joint compound	East and West walls (200 SF)	Good	Audio Visual	AMA 2009	To Be Determined	
031-001	1	BB041A		\Locations\NMAH\National Museum of American History\Lower Level\BB041A								
031-001	1	BB042		\Locations\NMAH\National Museum of American History\Lower Level\BB042	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (80 SF)	Good	Audio Visual	Hygienetics 1989		Under carpet
031-001	1	BB042		\Locations\NMAH\National Museum of American History\Lower Level\BB042	ACM	Drywall joint compound	South, East and West walls (260 SF)	Good	Audio Visual	AMA 2009	To Be Determined	
031-001	1	BB043		\Locations\NMAH\National Museum of American History\Lower Level\BB043	ACM	Drywall joint compound	Throughout (400 SF)	Good	Audio Visual	AMA 2009	To Be Determined	
031-001	1	BB044		\Locations\NMAH\National Museum of American History\Lower Level\BB044	ACM	Drywall joint compound	Throughout (400 SF)	Good	Audio Visual	AMA 2009	To Be Determined	
031-001	1	BB045		\Locations\NMAH\National Museum of American History\Lower Level\BB045	ACM	Drywall joint compound	Throughout (820 SF)	Good	Audio Visual	AMA 2009	To Be Determined	
031-001	1	BB046		\Locations\NMAH\National Museum of American History\Lower Level\BB046	ACM	Drywall joint compound	Throughout (400 SF)	Good	Audio Visual	AMA 2009	To Be Determined	
031-001	1	BB047		\Locations\NMAH\National Museum of American History\Lower Level\BB047	ACM	Drywall joint compound	Throughout (400 SF)	Good	Audio Visual	AMA 2009	To Be Determined	
031-001	1	BB048		\Locations\NMAH\National Museum of American History\Lower Level\BB048	ACM	Drywall joint compound	Throughout (400 SF)	Good	Audio Visual	AMA 2009	To Be Determined	
031-001	1	BB049		\Locations\NMAH\National Museum of American History\Lower Level\BB049	ACM	Drywall joint compound	Throughout (400 SF)	Good	Audio Visual	AMA 2009	To Be Determined	
031-001	1	BB050		\Locations\NMAH\National Museum of American History\Lower Level\BB050	ACM	Drywall joint compound	Throughout (400 SF)	Good	Audio Visual	AMA 2009	To Be Determined	
031-001	1	BB051		\Locations\NMAH\National Museum of American History\Lower Level\BB051	ACM	Drywall joint compound	Throughout (400 SF)	Good	Audio Visual	AMA 2009	To Be Determined	

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BUILDING CODE	LEVEL	ROOM ID	ROOM DESCRIPTION	FULLLOCPATH	ACM / PACM?	MATERIAL TYPE	MATERIAL LOCATION	CONDITION	REFERENCE ID	REFERENCE SOURCE	NEW SAMPLE RESULTS	NOTES
031-001	1	BB052		\Locations\NMAH\National Museum of American History\Lower Level\BB052	ACM	Drywall joint compound	Throughout (490 SF)	Good	Audio Visual	AMA 2009	To Be Determined	
031-001	1	BB052A		\Locations\NMAH\National Museum of American History\Lower Level\BB052A	ACM	Drywall joint compound	Throughout (900 SF)	Damaged	Audio Visual	AMA 2009	To Be Determined	1 SF Damaged
031-001	1	BB052A A		\Locations\NMAH\National Museum of American History\Lower Level\BB052AA								
031-001	1	BB053		\Locations\NMAH\National Museum of American History\Lower Level\BB053	ACM	Drywall joint compound	Throughout (400 SF)	Good	Audio Visual	AMA 2009	To Be Determined	
031-001	1	BB054		\Locations\NMAH\National Museum of American History\Lower Level\BB054	ACM	Drywall joint compound	Throughout (400 SF)	Good	Audio Visual	AMA 2009	To Be Determined	
031-001	1	BB055		\Locations\NMAH\National Museum of American History\Lower Level\BB055	ACM	Drywall joint compound	Throughout (400 SF)	Good	Audio Visual	AMA 2009	To Be Determined	
031-001	1	BB056		\Locations\NMAH\National Museum of American History\Lower Level\BB056								
031-001	1	BB057		\Locations\NMAH\National Museum of American History\Lower Level\BB057	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (504 SF)	Good	N/A	Hygienetics 1989		Tan
031-001	1	BB057		\Locations\NMAH\National Museum of American History\Lower Level\BB057	ACM	Drywall joint compound	East wall (160 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	1	BB058		\Locations\NMAH\National Museum of American History\Lower Level\BB058	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (280 SF)	Good	N/A	Hygienetics 1989		Tan
031-001	1	BB058A		\Locations\NMAH\National Museum of American History\Lower Level\BB058A	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (80 SF)	Good	N/A	Hygienetics 1989		Tan
031-001	1	BB059		\Locations\NMAH\National Museum of American History\Lower Level\BB059	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (36 SF)	Good	N/A	Hygienetics 1989		Tan
031-001	1	BB059		\Locations\NMAH\National Museum of American History\Lower Level\BB059	ACM	Drywall joint compound	North and West walls (140 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	1	BB060		\Locations\NMAH\National Museum of American History\Lower Level\BB060	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (540 SF)	Good	N/A	Hygienetics 1989		Tan
031-001	1	BB08	EXHIBITS SERVICE GROUP	\Locations\NMAH\National Museum of American History\Lower Level\BB08								
031-001	1	CB000C 1		\Locations\NMAH\National Museum of American History\Lower Level\CB000C1	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout (96 SF)	Good	Photographic services	Hygienetics 1989		Tan with brown streaks
031-001	1	CB000C 2		\Locations\NMAH\National Museum of American History\Lower Level\CB000C2	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (100 SF)	Good	Photographic services	Hygienetics 1989		Under carpet / Tan with brown streaks
031-001	1	CB000C 3		\Locations\NMAH\National Museum of American History\Lower Level\CB000C3	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (132 SF)	Good	N/A	Hygienetics 1989		White with black streaks
031-001	1	CB000C 4		\Locations\NMAH\National Museum of American History\Lower Level\CB000C4	ACM	Drywall joint compound	Throughout (680 SF)	Good	CB058	AMA 2009	To Be Determined	
031-001	1	CB000C 5		\Locations\NMAH\National Museum of American History\Lower Level\CB000C5	ACM	Drywall joint compound	Throughout (400 SF)	Good	CB058	AMA 2009	To Be Determined	
031-001	1	CB000C 6		\Locations\NMAH\National Museum of American History\Lower Level\CB000C6	ACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (75 SF)	Good	CB029	Hygienetics 1989		Off-white with brown specks
031-001	1	CB013		\Locations\NMAH\National Museum of American History\Lower Level\CB013	ACM	Drywall joint compound	South and East walls (256 SF)	Good	CB013	AMA 2009	To Be Determined	
031-001	1	CB013		\Locations\NMAH\National Museum of American History\Lower Level\CB013	ACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (252 SF)	Good	CB013	Hygienetics 1989		Green with white streaks
031-001	1	CB013		\Locations\NMAH\National Museum of American History\Lower Level\CB013	PACM	Fire door	North wall to B000C3 (1 @ 3' x 7')	Good	CB013	AMA 2009		
031-001	1	CB013A		\Locations\NMAH\National Museum of American History\Lower Level\CB013A	ACM	Drywall joint compound	South and West walls (320 SF)	Good	CB013	AMA 2009	To Be Determined	
031-001	1	CB013A		\Locations\NMAH\National Museum of American History\Lower Level\CB013A	ACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (256 SF)	Good	CB013	Hygienetics 1989		Green with white streaks
031-001	1	CB013B		\Locations\NMAH\National Museum of American History\Lower Level\CB013B	ACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (36 SF)	Good	CB013	Hygienetics 1989		Green with white streaks
031-001	1	CB013B		\Locations\NMAH\National Museum of American History\Lower Level\CB013B	PACM	Fire door	North wall to B000C3 (1 @ 3' x 7')	Good	CB013	AMA 2009		
031-001	1	CB014		\Locations\NMAH\National Museum of American History\Lower Level\CB014								
031-001	1	CB014A		\Locations\NMAH\National Museum of American History\Lower Level\CB014A								
031-001	1	CB014B		\Locations\NMAH\National Museum of American History\Lower Level\CB014B	ACM	Drywall joint compound	South and West walls (920 SF)	Good	CB014B	AMA 2009	To Be Determined	
031-001	1	CB014B		\Locations\NMAH\National Museum of American History\Lower Level\CB014B	ACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (340 SF)	Good	CB014B	Hygienetics 1989		White with blue specks
031-001	1	CB015		\Locations\NMAH\National Museum of American History\Lower Level\CB015	ACM	Drywall joint compound	East wall (1,030 SF)	Good	CB015	AMA 2009	To Be Determined	
031-001	1	CB015A		\Locations\NMAH\National Museum of American History\Lower Level\CB015A								
031-001	1	CB015B	LABOR RIGGING OFFICE	\Locations\NMAH\National Museum of American History\Lower Level\CB015B								
031-001	1	CB015C	EXHIBITS A/V & SERVICES	\Locations\NMAH\National Museum of American History\Lower Level\CB015C								
031-001	1	CB015D	FPM STORAGE	\Locations\NMAH\National Museum of American History\Lower Level\CB015D								
031-001	1	CB015E		\Locations\NMAH\National Museum of American History\Lower Level\CB015E	PACM	Fire door	North wall to B000C3 (1 @ 3' x 7')	Good	Lamp Cage	AMA 2009		
031-001	1	CB015E		\Locations\NMAH\National Museum of American History\Lower Level\CB015E	ACM	Drywall joint compound	South and West wall (360 SF)	Good	Lamp Cage	AMA 2009	To Be Determined	
031-001	1	CB016	TRANSFORMER VAULT	\Locations\NMAH\National Museum of American History\Lower Level\CB016	PACM	Fire door	South wall to B000C3 (2 @ 3' x 7')	Good	CB016	AMA 2009		
031-001	1	CB016	TRANSFORMER VAULT	\Locations\NMAH\National Museum of American History\Lower Level\CB016	ACM	Brown duct pin mastic	Throughout (400 SF)	Good	CB016	N/A		
031-001	1	CB017		\Locations\NMAH\National Museum of American History\Lower Level\CB017								
031-001	1	CB020		\Locations\NMAH\National Museum of American History\Lower Level\CB020								
031-001	1	CB021		\Locations\NMAH\National Museum of American History\Lower Level\CB021								
031-001	1	CB023	ARCHIVES COLLECTION	\Locations\NMAH\National Museum of American History\Lower Level\CB023	PACM	Fire door	West and East wall to B000C7 (4 @ 2' x 7')	Good	CB032	AMA 2009		
031-001	1	CB024	DOMESTIC LIFE & COSTUMES	\Locations\NMAH\National Museum of American History\Lower Level\CB024								
031-001	1	CB025	CABLE ROOM	\Locations\NMAH\National Museum of American History\Lower Level\CB025								
031-001	1	CB027		\Locations\NMAH\National Museum of American History\Lower Level\CB027								
031-001	1	CB028		\Locations\NMAH\National Museum of American History\Lower Level\CB028	ACM	Black duct seam sealant on foil	Throughout (630 SF)	Good	CB028	AMA 2009	3% Chrysotile	
031-001	1	CB029		\Locations\NMAH\National Museum of American History\Lower Level\CB029	ACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (425 SF)	Good	CB029	Hygienetics 1989		Off-white with brown streaks
031-001	1	CB029A	WOMEN'S LOUNGE	\Locations\NMAH\National Museum of American History\Lower Level\CB029A	ACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (308 SF)	Good	CB029	Hygienetics 1989		Off-white with brown streaks
031-001	1	CB030	WIRE CLOSET	\Locations\NMAH\National Museum of American History\Lower Level\CB030	ACM	Cementitious pipe fittings	Throughout (10 Fittings)	Good	CB030	Hygienetics 1989		
031-001	1	CB030A		\Locations\NMAH\National Museum of American History\Lower Level\CB030A								
031-001	1	CB032	SMALL MECH. EQUIP.	\Locations\NMAH\National Museum of American History\Lower Level\CB032	PACM	Fire door	South wall to B000C7 (2 @ 3' x 7')	Good	CB032	AMA 2009		
031-001	1	CB032A	PLUMBING SHOP	\Locations\NMAH\National Museum of American History\Lower Level\CB032A								
031-001	1	CB033	REPRO. CAMERAS	\Locations\NMAH\National Museum of American History\Lower Level\CB033	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (360 SF)	Good	Photographic services	Hygienetics 1989		Tan with brown streaks
031-001	1	CB033A	FILM STORAGE	\Locations\NMAH\National Museum of American History\Lower Level\CB033A	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (330 SF)	Good	Photographic services	Hygienetics 1989		Tan with brown streaks
031-001	1	CB033B		\Locations\NMAH\National Museum of American History\Lower Level\CB033B								
031-001	1	CB033C 1		\Locations\NMAH\National Museum of American History\Lower Level\CB033C1	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (200 SF)	Good	Photographic services	Hygienetics 1989		Tan with brown streaks
031-001	1	CB038		\Locations\NMAH\National Museum of American History\Lower Level\CB038	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (200 SF)	Good	Photographic services	Hygienetics 1989		Under raised floor / Tan with brown streaks
031-001	1	CB039		\Locations\NMAH\National Museum of American History\Lower Level\CB039	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (200 SF)	Damaged	Photographic services	Hygienetics 1989		Tan with brown streaks (1 SF Damaged)
031-001	1	CB040	SERVICES BRANCH	\Locations\NMAH\National Museum of American History\Lower Level\CB040	ACM	Drywall joint compound	West wall (200 SF)	Good	Photographic services	AMA 2009	To Be Determined	
031-001	1	CB040	SERVICES BRANCH	\Locations\NMAH\National Museum of American History\Lower Level\CB040	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (600 SF)	Good	Photographic services	Hygienetics 1989		Tan with brown streaks
031-001	1	CB042	PHOTO CHIEF	\Locations\NMAH\National Museum of American History\Lower Level\CB042	ACM	Drywall joint compound	West wall (100 SF)	Good	Photographic services	AMA 2009	To Be Determined	
031-001	1	CB043	PHOTO STUDIO OFFICE	\Locations\NMAH\National Museum of American History\Lower Level\CB043	ACM	Drywall joint compound	East wall (160 SF)	Good	Photographic services	AMA 2009	To Be Determined	
031-001	1	CB043	PHOTO STUDIO OFFICE	\Locations\NMAH\National Museum of American History\Lower Level\CB043	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (300 SF)	Good	Photographic services	Hygienetics 1989		Tan with brown streaks
031-001	1	CB043A	PHOTOGRAPHS	\Locations\NMAH\National Museum of American History\Lower Level\CB043A	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (300 SF)	Good	Photographic services	Hygienetics 1989		Under carpet / Tan with brown streaks
031-001	1	CB043B		\Locations\NMAH\National Museum of American History\Lower Level\CB043B	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (150 SF)	Good	Photographic services	Hygienetics 1989		Under carpet / Tan with brown streaks
031-001	1	CB044	IMAGING & PHOTO. SERVICES	\Locations\NMAH\National Museum of American History\Lower Level\CB044	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (2,100 SF)	Good	Photographic services	Hygienetics 1989		Tan with brown streaks
031-001	1	CB045		\Locations\NMAH\National Museum of American History\Lower Level\CB045	ACM	Drywall joint compound	Throughout (480 SF)	Good	Photographic services	AMA 2009	To Be Determined	
031-001	1	CB046	DEPUTY DIRECTOR	\Locations\NMAH\National Museum of American History\Lower Level\CB046								
031-001	1	CB047	PRODUCTION CONTROL	\Locations\NMAH\National Museum of American History\Lower Level\CB047	ACM	Drywall joint compound	South wall (100 SF)	Good	Photographic services	AMA 2009	To Be Determined	
031-001	1	CB048	FINISHING ROOM	\Locations\NMAH\National Museum of American History\Lower Level\CB048	ACM	Drywall joint compound	North wall (80 SF)	Good	Photographic Services	AMA 2009	To Be Determined	
031-001	1	CB048A	LAN ROOM	\Locations\NMAH\National Museum of American History\Lower Level\CB048A								
031-001	1	CB049		\Locations\NMAH\National Museum of American History\Lower Level\CB049								
031-001	1	CB050		\Locations\NMAH\National Museum of American History\Lower Level\CB050								
031-001	1	CB053		\Locations\NMAH\National Museum of American History\Lower Level\CB053	ACM	Drywall joint compound	Throughout (560 SF)	Good	Photographic services	AMA 2009	To Be Determined	
031-001	1	CB054		\Locations\NMAH\National Museum of American History\Lower Level\CB054	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (200 SF)	Good	Photographic services	Hygienetics 1989		Tan with brown streaks
031-001	1	CB055		\Locations\NMAH\National Museum of American History\Lower Level\CB055								
031-001	1	CB056		\Locations\NMAH\National Museum of American History\Lower Level\CB056								
031-001	1	CB057		\Locations\NMAH\National Museum of American History\Lower Level\CB057								
031-001	1	CB059		\Locations\NMAH\National Museum of American History\Lower Level\CB059	ACM	Pipe insulation (Cardboard)	Throughout (200 LF)	Good	Maritime Exhibit	Hygienetics 1989		Part of exhibit
031-001	1	CB059		\Locations\NMAH\National Museum of American History\Lower Level\CB059	ACM	Cementitious pipe fittings	Throughout (30 Fittings)	Good	Maritime Exhibit	Hygienetics 1989		
031-001	1	CB059		\Locations\NMAH\National Museum of American History\Lower Level\CB059	ACM	Cementitious tank insulation	East wall (1 Tank)	Good	Maritime Exhibit	Hygienetics 1989		4' Diameter x 6' Height
031-001	1	CB060		\Locations\NMAH\National Museum of American History\Lower Level\CB060	ACM	Drywall joint compound	Throughout (1,040 SF)	Damaged	CB058	AMA 2009	To Be Determined	1 SF Damaged
031-001	1	CB060A		\Locations\NMAH\National Museum of American History\Lower Level\CB060A	ACM	Drywall joint compound	Throughout (500 SF)	Good	CB058	AMA 2009	To Be Determined	
031-001	1	CB060B		\Locations\NMAH\National Museum of American History\Lower Level\CB060B	ACM	Drywall joint compound	Throughout (550 SF)	N/A	CB058	AMA 2009	No Asbestos Detected	
031-001	1	CB060C		\Locations\NMAH\National Museum of American History\Lower Level\CB060C	ACM	Drywall joint compound	Throughout (400 SF)	Damaged	CB058	AMA 2009	To Be Determined	<1 SF Damaged
031-001	1	CB060D		\Locations\NMAH\National Museum of American History\Lower Level\CB060D	ACM	Drywall joint compound	Throughout (480 SF)	Good	CB058	AMA 2009	To Be Determined	
031-001	1	CB060E		\Locations\NMAH\National Museum of American History\Lower Level\CB060E	ACM	Drywall joint compound	Throughout (480 SF)	Good	CB058	AMA 2009	To Be Determined	
031-001	1	CB060F		\Locations\NMAH\National Museum of American History\Lower Level\CB060F	ACM	Drywall joint compound	Throughout (400 SF)	Good	CB058	AMA 2009	To Be Determined	
031-001	1	CB060G		\Locations\NMAH\National Museum of American History\Lower Level\CB060G	ACM	Drywall joint compound	Throughout (400 SF)	Good	CB058	AMA 2009	To Be Determined	
031-001	1	CB060H		\Locations\NMAH\National Museum of American History\Lower Level\CB060H								
031-001	1	CB060J		\Locations\NMAH\National Museum of American History\Lower Level\CB060J	ACM	Drywall joint compound	Throughout (600 SF)	Good	CB058	AMA 2009	To Be Determined	
031-001	1	CB060K		\Locations\NMAH\National Museum of American History\Lower Level\CB060K	ACM	Drywall joint compound	Throughout (640 SF)	Good	CB058	AMA 2009	To Be Determined	
031-001	1	CB060L		\Locations\NMAH\National Museum of American History\Lower Level\CB060L	ACM	Drywall joint compound	Throughout (640 SF)	Good	CB058	AMA 2009	To Be Determined	
031-001	1	CB060M		\Locations\NMAH\National Museum of American History\Lower Level\CB060M	ACM	Drywall joint compound	Throughout (600 SF)	Good	CB058	AMA 2009	To Be Determined	
031-001	1	CB060N		\Locations\NMAH\National Museum of American History\Lower Level\CB060N	ACM	Drywall joint compound	Throughout (700 SF)	Good	CB058	AMA 2009	To Be Determined	
031-001	1	CB064	CERAMICS & GLASS	\Locations\NMAH\National Museum of American History\Lower Level\CB064								
031-001	1	CB066	MAIN SWITCHGEAR & METER R	\Locations\NMAH\National Museum of American History\Lower Level\CB066	ACM	Cementitious pipe fittings	Throughout (6 Fittings)	Good	CB066	Hygienetics 1989		
031-001	1	CB067	EMERGENCY GENERATOR	\Locations\NMAH\National Museum of American History\Lower Level\CB067	ACM	Duct joiner material	Throughout (1 @ 5' x 5')	Good	CB067	Hygienetics 1989		
031-001	1	CB068		\Locations\NMAH\National Museum of American History\Lower Level\CB068								
031-001	1	CB069	REFERENCE COLLECTION	\Locations\NMAH\National Museum of American History\Lower Level\CB069								
031-001	1	CB09	PROGRAM PRODUCTION	\Locations\NMAH\National Museum of American History\Lower Level\CB09	ACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (1,568 SF)	Damaged	Exhibit Production	Hygienetics 1989		Green with white streaks (2 SF Damaged)
031-001	1	CB09	PROGRAM PRODUCTION	\Locations\NMAH\National Museum of American History\Lower Level\CB09	ACM	Drywall joint compound	Throughout (1,800 SF)	Good	Exhibit Production	AMA 2009	To Be Determined	
031-001	1	CB09A		\Locations\NMAH\National Museum of American History\Lower Level\CB09A	ACM	Drywall joint compound	South and West walls (210 SF)	Good	Exhibit Production	AMA 2009	To Be Determined	
031-001	1	CB09AA		\Locations\NMAH\National Museum of American History\Lower Level\CB09AA	ACM	Drywall joint compound	North and East walls (210 SF)	Good	Exhibit Production	AMA 2009	To Be Determined	
031-001	1	CB09B		\Locations\NMAH\National Museum of American History\Lower Level\CB09B	ACM	Cementitious pipe fittings	Throughout (10 Fittings)	Good	Exhibit Production	Hygienetics 1989		
031-001	1	CB09C		\Locations\NMAH\National Museum of American History\Lower Level\CB09C	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (110 SF)	Good	Exhibit Production	Hygienetics 1989		Tan
031-001	1	CB09C		\Locations\NMAH\National Museum of American History\Lower Level\CB09C	ACM	Drywall joint compound	All walls (248 SF)	Good	Exhibit Production	AMA 2009	To Be Determined	
031-001	1	CB09D		\Locations\NMAH\National Museum of American History\Lower Level\CB09D	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (251 SF)	Good	Exhibit Production	Hygienetics 1989		Tan
031-001	1	CB09D		\Locations\NMAH\National Museum of American History\Lower Level\CB09D	ACM	Drywall joint compound	South, East and West walls (472 SF)	Good	Exhibit Production	AMA 2009	To Be Determined	
031-001	1	CB09E		\Locations\NMAH\National Museum of American History\Lower Level\CB09E	ACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (120 SF)	Good	N/A	Hygienetics 1989		Green with white streaks
031-001	1	CB09E		\Locations\NMAH\National Museum of American History\Lower Level\CB09E	ACM	Drywall joint compound	East and West walls (460 SF)	Good	N/A	AMA 2009	To Be Determined	

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BUILDING CODE	LEVEL	ROOM ID	ROOM DESCRIPTION	FULLLOCPATH	ACM / PACM?	MATERIAL TYPE	MATERIAL LOCATION	CONDITION	REFERENCE ID	REFERENCE SOURCE	NEW SAMPLE RESULTS	NOTES
031-001	1	CB09F		\Locations\NMAH\National Museum of American History\Lower Level\CB09F	ACM	Drywall joint compound	All walls (160 SF)	Good	Exhibit Production	AMA 2009	To Be Determined	
031-001	1	CB09G		\Locations\NMAH\National Museum of American History\Lower Level\CB09G	ACM	Drywall joint compound	North, South and West walls (400 SF)	Good	Exhibit Production	AMA 2009	To Be Determined	
031-001	1	CB09G		\Locations\NMAH\National Museum of American History\Lower Level\CB09G	ACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (128 SF)	Good	Exhibit Production	Hygienetics 1989		Green with white streaks
031-001	1	CB09H		\Locations\NMAH\National Museum of American History\Lower Level\CB09H	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (320 SF)	Good	Exhibit Production	Hygienetics 1989		Rose with pink streaks
031-001	1	CB09H		\Locations\NMAH\National Museum of American History\Lower Level\CB09H	ACM	Drywall joint compound	North wall (150 SF)	Good	Exhibit Production	AMA 2009	To Be Determined	
031-001	1	CB09J		\Locations\NMAH\National Museum of American History\Lower Level\CB09J	ACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (120 SF)	Good	Exhibit Production	Hygienetics 1989		Green with white streaks
031-001	1	CB09K		\Locations\NMAH\National Museum of American History\Lower Level\CB09K	ACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (72 SF)	Good	Exhibit Production	Hygienetics 1989		Green with white streaks
031-001	1	CB09L	PROGRAM PRODUCTION	\Locations\NMAH\National Museum of American History\Lower Level\CB09L	ACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (1,188 SF)	Good	CB013	Hygienetics 1989		Green with white streaks
031-001	1	CB09L	PROGRAM PRODUCTION	\Locations\NMAH\National Museum of American History\Lower Level\CB09L	ACM	Drywall joint compound	Throughout (400 SF)	Good	CB013	AMA 2009	To Be Determined	
031-001	2	AB043E		\Locations\NMAH\National Museum of American History\Lower Level Mezzanine\AB043E								
031-001	2	BB037M		\Locations\NMAH\National Museum of American History\Lower Level Mezzanine\BB037M								
031-001	2	CB009		\Locations\NMAH\National Museum of American History\Lower Level Mezzanine\CB009								
031-001	2	CB009A		\Locations\NMAH\National Museum of American History\Lower Level Mezzanine\CB009A	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (64 SF)	Good	Mezzanine	Hygienetics 1989		Off-white with gray streaks
031-001	2	CB010		\Locations\NMAH\National Museum of American History\Lower Level Mezzanine\CB010	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (100 SF)	Good	Mezzanine	Hygienetics 1989		Off-white with gray streaks
031-001	2	CB010		\Locations\NMAH\National Museum of American History\Lower Level Mezzanine\CB010	ACM	Cementitious pipe fittings	Northwest corner above drop ceiling (1 Fitting)	Good	Mezzanine	Hygienetics 1989		
031-001	2	CB011		\Locations\NMAH\National Museum of American History\Lower Level Mezzanine\CB011	ACM	Drywall joint compound	North, East and West walls (320 SF)	Good	Mezzanine	AMA 2009	To Be Determined	
031-001	2	CB011		\Locations\NMAH\National Museum of American History\Lower Level Mezzanine\CB011	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (64 SF)	Good	Mezzanine	Hygienetics 1989		Off-white with gray streaks
031-001	2	CB012		\Locations\NMAH\National Museum of American History\Lower Level Mezzanine\CB012	ACM	Drywall joint compound	Throughout (220 SF)	Good	Mezzanine	AMA 2009	To Be Determined	
031-001	2	CB012		\Locations\NMAH\National Museum of American History\Lower Level Mezzanine\CB012	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor 120 SF)	Good	Mezzanine	Hygienetics 1989		Off-white with gray streaks
031-001	2	MB000C3		\Locations\NMAH\National Museum of American History\Lower Level Mezzanine\MB000C3								
031-001	2	MB000M1		\Locations\NMAH\National Museum of American History\Lower Level Mezzanine\MB000M1								
031-001	2	MB000S1		\Locations\NMAH\National Museum of American History\Lower Level Mezzanine\MB000S1	ACM	Drywall joint compound	Throughout (900 SF)	Good	Mezzanine	AMA 2009	To Be Determined	
031-001	2	MB000S5		\Locations\NMAH\National Museum of American History\Lower Level Mezzanine\MB000S5								
031-001	2	MB066		\Locations\NMAH\National Museum of American History\Lower Level Mezzanine\MB066	ACM	Drywall joint compound	Throughout (2,800 SF)	Good	Mezzanine	AMA 2009	To Be Determined	
031-001	2	MB066A		\Locations\NMAH\National Museum of American History\Lower Level Mezzanine\MB066A	ACM	Drywall joint compound	Throughout (920 SF)	Good	Mezzanine	AMA 2009	To Be Determined	
031-001	2	MB066AA		\Locations\NMAH\National Museum of American History\Lower Level Mezzanine\MB066AA	ACM	Drywall joint compound	Throughout (360 SF)	Good	Mezzanine	AMA 2009	To Be Determined	
031-001	2	MB066AB		\Locations\NMAH\National Museum of American History\Lower Level Mezzanine\MB066AB	ACM	Drywall joint compound	Throughout (720 SF)	Good	Mezzanine	AMA 2009	To Be Determined	
031-001	2	MB066AC		\Locations\NMAH\National Museum of American History\Lower Level Mezzanine\MB066AC	ACM	Drywall joint compound	Throughout (400 SF)	Good	Mezzanine	AMA 2009	To Be Determined	
031-001	2	MB066AD		\Locations\NMAH\National Museum of American History\Lower Level Mezzanine\MB066AD	ACM	Drywall joint compound	Throughout (420 SF)	Good	Mezzanine	AMA 2009	To Be Determined	
031-001	2	MB066B		\Locations\NMAH\National Museum of American History\Lower Level Mezzanine\MB066B	ACM	Drywall joint compound	Throughout (400 SF)	Good	Mezzanine	AMA 2009	To Be Determined	
031-001	2	MB066C		\Locations\NMAH\National Museum of American History\Lower Level Mezzanine\MB066C	ACM	Drywall joint compound	Throughout (400 SF)	Good	Mezzanine	AMA 2009	To Be Determined	
031-001	2	MB066D		\Locations\NMAH\National Museum of American History\Lower Level Mezzanine\MB066D	ACM	Drywall joint compound	Throughout (440 SF)	Good	Mezzanine	AMA 2009	To Be Determined	
031-001	2	MB066E		\Locations\NMAH\National Museum of American History\Lower Level Mezzanine\MB066E	ACM	Drywall joint compound	North, East and West walls (360 SF)	Good	Mezzanine	AMA 2009	To Be Determined	
031-001	2	MBB060		\Locations\NMAH\National Museum of American History\Lower Level Mezzanine\MBB060	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (104 SF)	Good	Mezzanine	Hygienetics 1989		Off-white with gray streaks
031-001	2	MBB061		\Locations\NMAH\National Museum of American History\Lower Level Mezzanine\MBB061	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (150 SF)	Good	Mezzanine	Hygienetics 1989		Off-white with gray streaks
031-001	2	MBB062		\Locations\NMAH\National Museum of American History\Lower Level Mezzanine\MBB062	ACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (104 SF)	Good	Mezzanine	AMA 2009		Brown mottle
031-001	2	MBB062		\Locations\NMAH\National Museum of American History\Lower Level Mezzanine\MBB062	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor under 12" x 12" floor tile (104 SF)	Good	Mezzanine	Hygienetics 1989		Off-white with gray streaks
031-001	2	MBB062		\Locations\NMAH\National Museum of American History\Lower Level Mezzanine\MBB062	ACM	Drywall joint compound	Throughout (440 SF)	Good	Mezzanine	AMA 2009	To Be Determined	
031-001	2	MBB064		\Locations\NMAH\National Museum of American History\Lower Level Mezzanine\MBB064	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor under 12" x 12" floor tile (256 SF)	Good	Mezzanine	Hygienetics 1989		Off-white with gray streaks
031-001	3	1000C10		\Locations\NMAH\National Museum of American History\First Floor\1000C10								
031-001	3	1000C11		\Locations\NMAH\National Museum of American History\First Floor\1000C11								
031-001	3	1000C12		\Locations\NMAH\National Museum of American History\First Floor\1000C12								
031-001	3	1000C13		\Locations\NMAH\National Museum of American History\First Floor\1000C13	ACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (120 SF)	Good	Mezzanine	AMA 2009		Gray mottle (new)
031-001	3	1000C13		\Locations\NMAH\National Museum of American History\First Floor\1000C13	ACM	Drywall joint compound	Throughout (500 SF)	Good	Mezzanine	AMA 2009	To Be Determined	
031-001	3	1000C17		\Locations\NMAH\National Museum of American History\First Floor\1000C17								
031-001	3	1000C18		\Locations\NMAH\National Museum of American History\First Floor\1000C18								
031-001	3	1000C19		\Locations\NMAH\National Museum of American History\First Floor\1000C19								
031-001	3	1000C2		\Locations\NMAH\National Museum of American History\First Floor\1000C2								
031-001	3	1000C20		\Locations\NMAH\National Museum of American History\First Floor\1000C20								
031-001	3	1000C3		\Locations\NMAH\National Museum of American History\First Floor\1000C3								
031-001	3	1000C4		\Locations\NMAH\National Museum of American History\First Floor\1000C4	ACM	Drywall joint compound	Throughout (1,260 SF)	Good	Library Storage	AMA 2009	To Be Determined	
031-001	3	1000C5		\Locations\NMAH\National Museum of American History\First Floor\1000C5								
031-001	3	1000C7		\Locations\NMAH\National Museum of American History\First Floor\1000C7								
031-001	3	1000C8		\Locations\NMAH\National Museum of American History\First Floor\1000C8								
031-001	3	1000C9		\Locations\NMAH\National Museum of American History\First Floor\1000C9	ACM	Drywall joint compound	South wall (440 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	3	1000C9		\Locations\NMAH\National Museum of American History\First Floor\1000C9	ACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (168 SF)	Good	N/A	Hygienetics 1989		Gray mottle
031-001	3	1000C		\Locations\NMAH\National Museum of American History\First Floor\1000C	ACM	Drywall joint compound	South wall (560 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	3	1000E1		\Locations\NMAH\National Museum of American History\First Floor\1000E1								
031-001	3	1000E10		\Locations\NMAH\National Museum of American History\First Floor\1000E10	ACM	Drywall joint compound	Throughout (600 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	3	########		\Locations\NMAH\National Museum of American History\First Floor\1000E116	ACM	Drywall joint compound	East and South walls (300 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	3	1000E2		\Locations\NMAH\National Museum of American History\First Floor\1000E2								
031-001	3	1000E3		\Locations\NMAH\National Museum of American History\First Floor\1000E3	PACM	Elevator door insulation	North wall (48 SF)	Good	N/A	AMA 2009		Assumed present
031-001	3	1000E4		\Locations\NMAH\National Museum of American History\First Floor\1000E4								
031-001	3	1000E5		\Locations\NMAH\National Museum of American History\First Floor\1000E5								
031-001	3	1000E6		\Locations\NMAH\National Museum of American History\First Floor\1000E6	PACM	Elevator door insulation	North wall (48 SF)	Good	N/A	AMA 2009		Assumed present
031-001	3	1000E7		\Locations\NMAH\National Museum of American History\First Floor\1000E7	PACM	Elevator door insulation	South wall (48 SF)	Good	N/A	AMA 2009		Assumed present
031-001	3	1000E8		\Locations\NMAH\National Museum of American History\First Floor\1000E8	PACM	Elevator door insulation	South wall (48 SF)	Good	N/A	AMA 2009		Assumed present
031-001	3	1000E9		\Locations\NMAH\National Museum of American History\First Floor\1000E9	PACM	Elevator door insulation	East wall (42 SF)	Good	N/A	AMA 2009		Assumed present
031-001	3	1000EL4		\Locations\NMAH\National Museum of American History\First Floor\1000EL4	ACM	Drywall joint compound	Throughout (480 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	3	1000ES1		\Locations\NMAH\National Museum of American History\First Floor\1000ES1								
031-001	3	1000ES2		\Locations\NMAH\National Museum of American History\First Floor\1000ES2								
031-001	3	1000ES5		\Locations\NMAH\National Museum of American History\First Floor\1000ES5								
031-001	3	1000ES6		\Locations\NMAH\National Museum of American History\First Floor\1000ES6								
031-001	3	1000ES7		\Locations\NMAH\National Museum of American History\First Floor\1000ES7								
031-001	3	1000ES8		\Locations\NMAH\National Museum of American History\First Floor\1000ES8								
031-001	3	1000L2		\Locations\NMAH\National Museum of American History\First Floor\1000L2	ACM	Drywall joint compound	South wall (560 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	3	1000L3		\Locations\NMAH\National Museum of American History\First Floor\1000L3	ACM	Drywall joint compound	South wall (1,700 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	3	1000L4		\Locations\NMAH\National Museum of American History\First Floor\1000L4	ACM	Drywall joint compound	South wall (760 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	3	1000L5		\Locations\NMAH\National Museum of American History\First Floor\1000L5								
031-001	3	1000L6		\Locations\NMAH\National Museum of American History\First Floor\1000L6	ACM	Drywall joint compound	South wall (600 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	3	1000L7		\Locations\NMAH\National Museum of American History\First Floor\1000L7	ACM	Drywall joint compound	Throughout (60 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	3	1000L8		\Locations\NMAH\National Museum of American History\First Floor\1000L8								
031-001	3	1000M1		\Locations\NMAH\National Museum of American History\First Floor\1000M1								
031-001	3	1000M10		\Locations\NMAH\National Museum of American History\First Floor\1000M10								
031-001	3	1000M11		\Locations\NMAH\National Museum of American History\First Floor\1000M11								
031-001	3	1000M11A		\Locations\NMAH\National Museum of American History\First Floor\1000M11A	ACM	Drywall joint compound	South and West walls (120 SF)	Good	Library Storage	AMA 2009	To Be Determined	
031-001	3	1000M12		\Locations\NMAH\National Museum of American History\First Floor\1000M12								
031-001	3	1000M13		\Locations\NMAH\National Museum of American History\First Floor\1000M13								
031-001	3	1000M14		\Locations\NMAH\National Museum of American History\First Floor\1000M14								
031-001	3	1000M15		\Locations\NMAH\National Museum of American History\First Floor\1000M15	ACM	Drywall joint compound	Throughout (498 SF)	Good	Library Storage	AMA 2009	To Be Determined	
031-001	3	1000M16		\Locations\NMAH\National Museum of American History\First Floor\1000M16								
031-001	3	1000M2		\Locations\NMAH\National Museum of American History\First Floor\1000M2	PACM	Fire door	South wall to 1000M1 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	3	1000M3		\Locations\NMAH\National Museum of American History\First Floor\1000M3	ACM	Drywall joint compound	West wall (50 SF)	Good	Education	AMA 2009	To Be Determined	
031-001	3	1000M4		\Locations\NMAH\National Museum of American History\First Floor\1000M4								
031-001	3	1000M5		\Locations\NMAH\National Museum of American History\First Floor\1000M5								
031-001	3	1000M7		\Locations\NMAH\National Museum of American History\First Floor\1000M7								
031-001	3	1000M8		\Locations\NMAH\National Museum of American History\First Floor\1000M8	ACM	Cementitious pipe fittings	Throughout (4 Fittings)	Good	Coaches and Autos	Hygienetics 1989		
031-001	3	1000M9		\Locations\NMAH\National Museum of American History\First Floor\1000M9								
031-001	3	1000S10		\Locations\NMAH\National Museum of American History\First Floor\1000S10								
031-001	3	1000S11		\Locations\NMAH\National Museum of American History\First Floor\1000S11								
031-001	3	1000S3		\Locations\NMAH\National Museum of American History\First Floor\1000S3								
031-001	3	1000S4		\Locations\NMAH\National Museum of American History\First Floor\1000S4								
031-001	3	1000S5		\Locations\NMAH\National Museum of American History\First Floor\1000S5								
031-001	3	1000S9		\Locations\NMAH\National Museum of American History\First Floor\1000S9								
031-001	3	1000T1		\Locations\NMAH\National Museum of American History\First Floor\1000T1								
031-001	3	1000T2		\Locations\NMAH\National Museum of American History\First Floor\1000T2								
031-001	3	1000V2		\Locations\NMAH\National Museum of American History\First Floor\1000V2	ACM	Drywall joint compound	Throughout (460 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	3	1000V3		\Locations\NMAH\National Museum of American History\First Floor\1000V3	ACM	Drywall joint compound	Throughout (800 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	3	1000V4		\Locations\NMAH\National Museum of American History\First Floor\1000V4	ACM	Drywall joint compound	Throughout (500 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	3	1010		\Locations\NMAH\National Museum of American History\First Floor\1010	ACM	Drywall joint compound	Throughout (1,020 SF)	Good	Library Storage	AMA 2009	To Be Determined	
031-001	3	1010A		\Locations\NMAH\National Museum of American History\First Floor\1010A	ACM	Drywall joint compound	Throughout (660 SF)	Good	Library Storage	AMA 2009	To Be Determined	
031-001	3	1010B		\Locations\NMAH\National Museum of American History\First Floor\1010B	ACM	Drywall joint compound	Throughout (660 SF)	Good	Library Storage	AMA 2009	To Be Determined	
031-001	3	1010C		\Locations\NMAH\National Museum of American History\First Floor\1010C	ACM	Drywall joint compound	Throughout (200 SF)	Good	Library Storage	AMA 2009	To Be Determined	
031-001	3	1012	C.M.S. REG. SVCS.	\Locations\NMAH\National Museum of American History\First Floor\1012	ACM	Drywall joint compound	Throughout (1,380 SF)	Good	Library Storage	AMA 2009	To Be Determined	
031-001	3	1012A		\Locations\NMAH\National Museum of American History\First Floor\1012A	ACM	Drywall joint compound	Throughout (600 SF)	Good	Library Storage	AMA 2009	To Be Determined	
031-001	3	1012B	COLL. RECORDS ROOM	\Locations\NMAH\National Museum of American History\First Floor\1012B	ACM	Drywall joint compound	Throughout (1,500 SF)	Good	Library Storage	AMA 2009	To Be Determined	
031-001	3	1015		\Locations\NMAH\National Museum of American History\First Floor\1015	ACM	Drywall joint compound	Throughout (1,300 SF)	Good	Library Storage	AMA 2009	To Be Determined	
031-001	3	1015A		\Locations\NMAH\National Museum of American History\First Floor\1015A	ACM	Drywall joint compound	Throughout (660 SF)	Good	Library Storage	AMA 2009	To Be Determined	
031-001	3	1015B		\Locations\NMAH\National Museum of American History\First Floor\1015B	ACM	Drywall joint compound	Throughout (660 SF)	N/A	Library Storage	AMA 2009	No Asbestos Detected	
031-001	3	1015C		\Locations\NMAH\National Museum of American History\First Floor\1015C	ACM	Drywall joint compound	Throughout (720 SF)	Good	Library Storage	AMA 2009	To Be Determined	
031-001	3	1015D		\Locations\NMAH\National Museum of American History\First Floor\1015D	ACM	Drywall joint compound	Throughout (660 SF)	Good	Library Storage	AMA 2009	To Be Determined	
031-001	3	1016		\Locations\NMAH\National Museum of American History\First Floor\1016								
031-001	3	1016A		\Locations\NMAH\National Museum of American History\First Floor\1016A								
031-001	3	1016B		\Locations\NMAH\National Museum of American History\First Floor\1016B								
031-001	3	1016C	LEMELSON CENTER	\Locations\NMAH\National Museum of American History\First Floor\1016C								
031-001	3	1016D		\Locations\NMAH\National Museum of American History\First Floor\1016D								
031-001	3	1016DA		\Locations\NMAH\National Museum of American History\First Floor\1016DA								
031-001	3	1016E		\Locations\NMAH\National Museum of American History\First Floor\1016E								
031-001	3	1016F		\Locations\NMAH\National Museum of American History\First Floor\1017	ACM	Drywall joint compound	West wall (150 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	3	1017		\Locations\NMAH\National Museum of American History\First Floor\1016F								
031-001	3	1025		\Locations\NMAH\National Museum of American History\First Floor\1025	ACM	Drywall joint compound	Throughout (2,820 SF)	Good	Library Storage	AMA 2009	To Be Determined	
031-001	3	1025A	COMPUTER SERVICES INVENTO	\Locations\NMAH\National Museum of American History\First Floor\1025A								
031-001	3	1026		\Locations\NMAH\National Museum of American History\First Floor\1026	ACM	Drywall joint compound	Throughout (920 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	3	1026A		\Locations\NMAH\National Museum of American History\First Floor\1026A	ACM	Drywall joint compound	Throughout (660 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	3	1026B		\Locations\NMAH\National Museum of American History\First Floor\1026B								

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BUILDING CODE	LEVEL	ROOM ID	ROOM DESCRIPTION	FULLLOCPATH	ACM / PACM?	MATERIAL TYPE	MATERIAL LOCATION	CONDITION	REFERENCE ID	REFERENCE SOURCE	NEW SAMPLE RESULTS	NOTES
031-001	3	1026C		\Locations\NMAH\National Museum of American History\First Floor\1026C								
031-001	3	1026D		\Locations\NMAH\National Museum of American History\First Floor\1026D								
031-001	3	1026E		\Locations\NMAH\National Museum of American History\First Floor\1026E								
031-001	3	1026F		\Locations\NMAH\National Museum of American History\First Floor\1026F								
031-001	3	1026G		\Locations\NMAH\National Museum of American History\First Floor\1026G								
031-001	3	1026H		\Locations\NMAH\National Museum of American History\First Floor\1026H								
031-001	3	1026J		\Locations\NMAH\National Museum of American History\First Floor\1026J								
031-001	3	1027		\Locations\NMAH\National Museum of American History\First Floor\1027	ACM	Drywall joint compound	Throughout (2,800 SF)	Good	Atomic Exhibit	AMA 2009	To Be Determined	
031-001	3	1027		\Locations\NMAH\National Museum of American History\First Floor\1027	ACM	Brown duct pin mastic	Throughout (1,200 SF)	Good	Atomic Exhibit	N/A		
031-001	3	1028	FRANK TAYLOR GALLERY	\Locations\NMAH\National Museum of American History\First Floor\1028	ACM	Drywall joint compound	Throughout (2,000 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	3	1029	COAT CHECKROOM	\Locations\NMAH\National Museum of American History\First Floor\1029								
031-001	3	1030	COMPUTER SERVICES CENTER	\Locations\NMAH\National Museum of American History\First Floor\1030	ACM	Drywall joint compound	Throughout (3,600 SF)	Good	Computing	AMA 2009	To Be Determined	
031-001	3	1030A		\Locations\NMAH\National Museum of American History\First Floor\1030A	ACM	Drywall joint compound	Throughout (600 SF)	Good	Library Storage	AMA 2009	To Be Determined	
031-001	3	1030B		\Locations\NMAH\National Museum of American History\First Floor\1030B								
031-001	3	1030C		\Locations\NMAH\National Museum of American History\First Floor\1030C								
031-001	3	1030D		\Locations\NMAH\National Museum of American History\First Floor\1030D	ACM	Drywall joint compound	Throughout (4,200 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	3	1030E		\Locations\NMAH\National Museum of American History\First Floor\1030E	ACM	Drywall joint compound	Throughout (660 SF)	Good	Library Storage	AMA 2009	To Be Determined	
031-001	3	1031	INFORMATION AGE	\Locations\NMAH\National Museum of American History\First Floor\1031	ACM	Drywall joint compound	Throughout (22,900 SF)	Good	Library Storage	AMA 2009	To Be Determined	
031-001	3	1031	INFORMATION AGE	\Locations\NMAH\National Museum of American History\First Floor\1031	PACM	12" x 12" Vinyl floor tile and associated mastic	Throughout (1,080 SF)	Good	Library Storage	AMA 2009		Black and green checkered floor tile (new)
031-001	3	1031	INFORMATION AGE	\Locations\NMAH\National Museum of American History\First Floor\1031	ACM	Cementitious pipe fittings	Throughout (4 Fittings visible)	Good	N/A	Hygienetics 1989		
031-001	3	1032	AUDITORIUM	\Locations\NMAH\National Museum of American History\First Floor\1032	ACM	Drywall joint compound	Throughout (1,650 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	3	1032	AUDITORIUM	\Locations\NMAH\National Museum of American History\First Floor\1032	PACM	Fire door	North wall to1031 (2 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	3	1033	WEST SIDE GALLERY	\Locations\NMAH\National Museum of American History\First Floor\1033	ACM	Drywall joint compound	Throughout (2,700 SF)	Good	Computing	AMA 2009	To Be Determined	
031-001	3	1033A		\Locations\NMAH\National Museum of American History\First Floor\1033A	ACM	Drywall joint compound	Throughout (500 SF)	Good	Computing	AMA 2009	To Be Determined	
031-001	3	1040	INTERNSHIP & FELLOWSHIP	\Locations\NMAH\National Museum of American History\First Floor\1040	ACM	Drywall joint compound	Throughout (2,400 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	3	1040A		\Locations\NMAH\National Museum of American History\First Floor\1040A								
031-001	3	1040B		\Locations\NMAH\National Museum of American History\First Floor\1040B	ACM	Drywall joint compound	Throughout (520 SF)	Damaged	Rec Room	AMA 2009	To Be Determined	5 SF Damage
031-001	3	1040C		\Locations\NMAH\National Museum of American History\First Floor\1040C								
031-001	3	1040D		\Locations\NMAH\National Museum of American History\First Floor\1040D	ACM	Drywall joint compound	Throughout (5,700 SF)	Good	Small Gallery	AMA 2009	To Be Determined	
031-001	3	1040E		\Locations\NMAH\National Museum of American History\First Floor\1040E	ACM	Drywall joint compound	Throughout (120 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	3	1041		\Locations\NMAH\National Museum of American History\First Floor\1041	ACM	Drywall joint compound	Throughout (170 SF)	Good	Dibner Library	AMA 2009	To Be Determined	
031-001	3	1041A		\Locations\NMAH\National Museum of American History\First Floor\1041A	ACM	Drywall joint compound	Throughout (2,700 SF)	Good	Dibner Library	AMA 2009	To Be Determined	
031-001	3	1041AA		\Locations\NMAH\National Museum of American History\First Floor\1041AA	ACM	Drywall joint compound	Throughout (225 SF)	Good	Dibner Library	AMA 2009	To Be Determined	
031-001	3	1041B		\Locations\NMAH\National Museum of American History\First Floor\1041B	ACM	Drywall joint compound	Throughout (1,200 SF)	Good	Dibner Library	AMA 2009	To Be Determined	
031-001	3	1041C		\Locations\NMAH\National Museum of American History\First Floor\1041C	PACM	12" x 12" Vinyl floor tile and associated mastic	Throughout (1,550 SF)	Good	Dibner Library	AMA 2009		Grey mottle (new)
031-001	3	1041C		\Locations\NMAH\National Museum of American History\First Floor\1041C								
031-001	3	1041D	DIBNER LIBRARY	\Locations\NMAH\National Museum of American History\First Floor\1041D	ACM	Drywall joint compound	Throughout (100 SF)	Good	Dibner Library	AMA 2009	To Be Determined	
031-001	3	1041E		\Locations\NMAH\National Museum of American History\First Floor\1041E	ACM	Drywall joint compound	Throughout (640 SF)	Good	Dibner Library	AMA 2009	To Be Determined	
031-001	3	1042	PRESIDENTIAL RECEPTION	\Locations\NMAH\National Museum of American History\First Floor\1042								
031-001	3	1042A		\Locations\NMAH\National Museum of American History\First Floor\1042A								
031-001	3	1042B	PRES. RECEP. VESTIBULE	\Locations\NMAH\National Museum of American History\First Floor\1042B								
031-001	3	1043		\Locations\NMAH\National Museum of American History\First Floor\1043								
031-001	3	1043A		\Locations\NMAH\National Museum of American History\First Floor\1043A								
031-001	3	1043B		\Locations\NMAH\National Museum of American History\First Floor\1043B								
031-001	3	1043C		\Locations\NMAH\National Museum of American History\First Floor\1043C								
031-001	3	1043D		\Locations\NMAH\National Museum of American History\First Floor\1043D								
031-001	3	1044	SUBWAY	\Locations\NMAH\National Museum of American History\First Floor\1044	ACM	Drywall joint compound	Throughout (10,050 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	3	1044B		\Locations\NMAH\National Museum of American History\First Floor\1044B								
031-001	3	1044C		\Locations\NMAH\National Museum of American History\First Floor\1044C								
031-001	3	1044D		\Locations\NMAH\National Museum of American History\First Floor\1044D								
031-001	3	1045		\Locations\NMAH\National Museum of American History\First Floor\1045	ACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (320 SF)	Good	Mezzanine	AMA 2009		Gray mottle (new)
031-001	3	1045		\Locations\NMAH\National Museum of American History\First Floor\1045	ACM	Cementitious pipe fittings	Throughout (6 Fittings)	Damaged	N/A	Hygienetics 1989		1 Damaged
031-001	3	1045		\Locations\NMAH\National Museum of American History\First Floor\1045	ACM	Drywall joint compound	East, South and West walls (320 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	3	1045A		\Locations\NMAH\National Museum of American History\First Floor\1045A								
031-001	3	1046		\Locations\NMAH\National Museum of American History\First Floor\1046	PACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (72 SF)	Good	Mezzanine	AMA 2009		Gray mottle (new)
031-001	3	1046		\Locations\NMAH\National Museum of American History\First Floor\1046	ACM	Drywall joint compound	Throughout (540 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	3	1047		\Locations\NMAH\National Museum of American History\First Floor\1047	PACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (216 SF)	Good	Mezzanine	AMA 2009		Gray mottle (new)
031-001	3	1047		\Locations\NMAH\National Museum of American History\First Floor\1047	ACM	Drywall joint compound	East, South and West (940 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	3	1048	EXHIBITION GALLERY	\Locations\NMAH\National Museum of American History\First Floor\1048	ACM	Drywall joint compound	Throughout (1,750 SF)	Good	Small Gallery	AMA 2009	To Be Determined	
031-001	3	1049	ICE CREAM PARLOR	\Locations\NMAH\National Museum of American History\First Floor\1049								
031-001	3	1049A		\Locations\NMAH\National Museum of American History\First Floor\1049A								
031-001	3	1049B		\Locations\NMAH\National Museum of American History\First Floor\1049B								
031-001	3	1050	ON TIME	\Locations\NMAH\National Museum of American History\First Floor\1050	ACM	Drywall joint compound	Throughout walls (600 SF)	Good	N/A	AMA 2009	To Be Determined	
031-002	3	1050A		\Locations\NMAH\National Museum of American History\First Floor\1050A	ACM	Drywall joint compound	Throughout walls (400 SF)	Good	N/A	AMA 2009	To Be Determined	
031-003	3	1050B		\Locations\NMAH\National Museum of American History\First Floor\1050B	ACM	Drywall joint compound	Throughout walls (440 SF)	Good	N/A	AMA 2009	To Be Determined	
031-004	3	1050C		\Locations\NMAH\National Museum of American History\First Floor\1050C	ACM	Drywall joint compound	Throughout walls (440 SF)	Good	N/A	AMA 2009	To Be Determined	
031-005	3	1050D		\Locations\NMAH\National Museum of American History\First Floor\1050D	ACM	Drywall joint compound	Throughout walls (440 SF)	Good	N/A	AMA 2009	To Be Determined	
031-006	3	1050E		\Locations\NMAH\National Museum of American History\First Floor\1050E	ACM	Drywall joint compound	Throughout walls (440 SF)	Good	N/A	AMA 2009	To Be Determined	
031-007	3	1050F		\Locations\NMAH\National Museum of American History\First Floor\1050F	ACM	Drywall joint compound	Throughout walls (340 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	3	1051	ENGINES OF CHANGE	\Locations\NMAH\National Museum of American History\First Floor\1051	ACM	Brown duct pin mastic	Throughout (880 SF)	Good	N/A	N/A		Assumed present under foil wrapped duct
031-001	3	1051	ENGINES OF CHANGE	\Locations\NMAH\National Museum of American History\First Floor\1051	ACM	Drywall joint compound	Throughout (9,750 SF)	N/A	N/A	AMA 2009	No Asbestos Detected	
031-001	3	1052	AOTM SHOP	\Locations\NMAH\National Museum of American History\First Floor\1052	ACM	Drywall joint compound	South and East walls (320 SF)	Good	Heavy Machinery	AMA 2009	To Be Determined	
031-001	3	1053	POWER MACHINERY	\Locations\NMAH\National Museum of American History\First Floor\1053	ACM	Drywall joint compound	Throughout (4,380 SF)	Good	Heavy Machinery	AMA 2009	To Be Determined	
031-001	3	1053	POWER MACHINERY	\Locations\NMAH\National Museum of American History\First Floor\1053	ACM	Brown duct pin mastic				N/A		
031-001	3	1054		\Locations\NMAH\National Museum of American History\First Floor\1054	ACM	Drywall joint compound	Throughout (4,600 SF)	Good	Electricity	AMA 2009	To Be Determined	
031-001	3	1054		\Locations\NMAH\National Museum of American History\First Floor\1054	ACM	Brown duct pin mastic				N/A		
031-001	3	1055	AMERICA ON THE MOVE	\Locations\NMAH\National Museum of American History\First Floor\1055								
031-001	3	1055A		\Locations\NMAH\National Museum of American History\First Floor\1055A								
031-001	3	1057G		\Locations\NMAH\National Museum of American History\First Floor\1057G	ACM	Drywall joint compound	Throughout walls (340 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	3	1060	HEALTH UNIT	\Locations\NMAH\National Museum of American History\First Floor\1060	ACM	Cementitious pipe fittings	Throughout (1 Fitting)	Good	N/A	Hygienetics 1989		
031-001	3	1060	HEALTH UNIT	\Locations\NMAH\National Museum of American History\First Floor\1060	ACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (240 SF)	Good	N/A	Hygienetics 1989		Gray mottle
031-001	3	1060	HEALTH UNIT	\Locations\NMAH\National Museum of American History\First Floor\1060	ACM	Drywall joint compound	Throughout (400 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	3	1060A		\Locations\NMAH\National Museum of American History\First Floor\1060A	ACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (358 SF)	Good	N/A	Hygienetics 1989		Gray mottle (under carpet)
031-001	3	1060A		\Locations\NMAH\National Museum of American History\First Floor\1060A	ACM	Drywall joint compound	Throughout (500 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	3	1060B		\Locations\NMAH\National Museum of American History\First Floor\1060B	ACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (100 SF)	Good	N/A	Hygienetics 1989		Off-white with gray specks
031-001	3	1060B		\Locations\NMAH\National Museum of American History\First Floor\1060B	ACM	Drywall joint compound	Throughout (400 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	3	1060C		\Locations\NMAH\National Museum of American History\First Floor\1060C	ACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (184 SF)	Good	N/A	Hygienetics 1989		Brown (160 SF) and Blue mottle (24 SF) quantities for 1060 C,D, and E
031-001	3	1060C		\Locations\NMAH\National Museum of American History\First Floor\1060C	ACM	Drywall joint compound	Throughout (560 SF)	Good	N/A	AMA 2009	To Be Determined	Quantities for 1060 C,D, and E
031-001	3	1060C		\Locations\NMAH\National Museum of American History\First Floor\1060C	ACM	Cementitious pipe fittings	East wall hatch (8 Fittings)	Damaged	N/A	Hygienetics 1989		2 Damaged on ground
031-001	3	1060D		\Locations\NMAH\National Museum of American History\First Floor\1060D	ACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (184 SF)	Good	N/A	Hygienetics 1989		Brown (160 SF) and Blue mottle (24 SF) quantities for 1060 C,D, and E
031-001	3	1060D		\Locations\NMAH\National Museum of American History\First Floor\1060D	ACM	Drywall joint compound	Throughout (560 SF)	Good	N/A	AMA 2009	To Be Determined	Quantities for 1060 C,D, and E
031-001	3	1060E		\Locations\NMAH\National Museum of American History\First Floor\1060E	ACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (184 SF)	Good	N/A	Hygienetics 1989		Brown (160 SF) and Blue mottle (24 SF) quantities for 1060 C,D, and E
031-001	3	1060E		\Locations\NMAH\National Museum of American History\First Floor\1060E	ACM	Drywall joint compound	Throughout (560 SF)	Good	N/A	AMA 2009	To Be Determined	Quantities for 1060 C,D, and E
031-001	3	1060F		\Locations\NMAH\National Museum of American History\First Floor\1060F	ACM	Drywall joint compound	Throughout (260 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	3	1060G		\Locations\NMAH\National Museum of American History\First Floor\1060G	ACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (96 SF)	Good	N/A	Hygienetics 1989		Light blue mottle
031-001	3	1060G		\Locations\NMAH\National Museum of American History\First Floor\1060G	ACM	Drywall joint compound	Throughout (400 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	3	1060H		\Locations\NMAH\National Museum of American History\First Floor\1060H	ACM	Drywall joint compound	Throughout (460 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	3	1061		\Locations\NMAH\National Museum of American History\First Floor\1061								
031-001	3	1067		\Locations\NMAH\National Museum of American History\First Floor\1067	ACM	Drywall joint compound	Throughout (270 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	3	1070		\Locations\NMAH\National Museum of American History\First Floor\1070								
031-001	3	1100	ARCHIVE CENTER EXHIBIT	\Locations\NMAH\National Museum of American History\First Floor\1100	ACM	Drywall joint compound	Throughout (1,600 SF)	Good	Computing	AMA 2009	To Be Determined	
031-001	3	1100A	Closet	\Locations\NMAH\National Museum of American History\First Floor\1100A								
031-001	3	1101		\Locations\NMAH\National Museum of American History\First Floor\1101								
031-001	3	1102		\Locations\NMAH\National Museum of American History\First Floor\1102								
031-001	3	1103		\Locations\NMAH\National Museum of American History\First Floor\1103								
031-001	3	1104		\Locations\NMAH\National Museum of American History\First Floor\1104								
031-001	3	1105		\Locations\NMAH\National Museum of American History\First Floor\1105								
031-001	3	1106		\Locations\NMAH\National Museum of American History\First Floor\1106								
031-001	3	1107		\Locations\NMAH\National Museum of American History\First Floor\1107								
031-001	3	1108		\Locations\NMAH\National Museum of American History\First Floor\1108								
031-001	3	1109		\Locations\NMAH\National Museum of American History\First Floor\1109								
031-001	3	1110		\Locations\NMAH\National Museum of American History\First Floor\1110								
031-001	3	1111		\Locations\NMAH\National Museum of American History\First Floor\1111								
031-001	3	1112		\Locations\NMAH\National Museum of American History\First Floor\1112	ACM	Cementitious pipe fittings	Throughout (6 Fittings)	Good	N/A	Hygienetics 1989		Visible from 1919
031-001	3	1113		\Locations\NMAH\National Museum of American History\First Floor\1113	ACM	Cementitious pipe fittings	Throughout (4 Fittings)	Good	N/A	Hygienetics 1989		
031-001	3	1114		\Locations\NMAH\National Museum of American History\First Floor\1114								
031-001	3	1115		\Locations\NMAH\National Museum of American History\First Floor\1115								
031-001	3	1116		\Locations\NMAH\National Museum of American History\First Floor\1116								
031-001	3	1117		\Locations\NMAH\National Museum of American History\First Floor\1117								
031-001	3	1118		\Locations\NMAH\National Museum of American History\First Floor\1118								
031-001	3	1119		\Locations\NMAH\National Museum of American History\First Floor\1119	ACM	Cementitious pipe fittings	Throughout (5 Fittings)	Good	N/A	Hygienetics 1989		
031-001	3	1120	SCIENCE IN AMERICAN LIFE	\Locations\NMAH\National Museum of American History\First Floor\1120	ACM	Drywall joint compound	Throughout (10,000 SF)	Good	Medical Science	AMA 2009	2% Chrysotile	
031-001	3	1120	SCIENCE IN AMERICAN LIFE	\Locations\NMAH\National Museum of American History\First Floor\1120	ACM	Cementitious pipe fittings	Throughout (6 Fittings visible)	Good	Medical Science	Hygienetics 1989		
031-001	3	1120	SCIENCE IN AMERICAN LIFE	\Locations\NMAH\National Museum of American History\First Floor\1120	PACM	12" x 12" Vinyl floor tile and associated mastic	1950's Exhibit (350 SF)	Good	Medical Science	AMA 2009		Off-white with gray streaks (new)
031-001	3	1120	SCIENCE IN AMERICAN LIFE	\Locations\NMAH\National Museum of American History\First Floor\1120	ACM	Brown duct pin mastic	Throughout (450 SF)	Good	Medical Science	N/A		
031-001	3	1120A	HANDS ON SCIENCE CENTER	\Locations\NMAH\National Museum of American History\First Floor\1120A	ACM	Brown duct pin mastic	Throughout (800 SF)	Good	Medical Science	N/A		
031-001	3	1120A	HANDS ON SCIENCE CENTER	\Locations\NMAH\National Museum of American History\First Floor\1120A	ACM	Drywall joint compound	Throughout (3,500 SF)	Good	Medical Science	AMA 2009	To Be Determined	
031-001	3	1120B		\Locations\NMAH\National Museum of American History\First Floor\1120B	ACM	Drywall joint compound	Throughout walls and ceiling (8,000 SF)	Good	Computing	AMA 2009	To Be Determined	
031-001	3	1120B		\Locations\NMAH\National Museum of American History\First Floor\1120B	ACM	Brown duct pin mastic	Throughout (1,600 SF)	Good	Computing	N/A		
031-001	3	1121		\Locations\NMAH\National Museum of American History\First Floor\1121								
031-001	3	1124		\Locations\NMAH\National Museum of American History\First Floor\1124								
031-001	3	1124A		\Locations\NMAH\National Museum of American History\First Floor\1124A								
031-001	3	1152		\Locations\NMAH\National Museum of American History\First Floor\1152								
031-001	3	1153	OLD U.S. POST OFFICE	\Locations\NMAH\National Museum of American History\First Floor\1153								
031-001	3	1153A		\Locations\NMAH\National Museum of American History\First Floor\1153A								
031-001	3	1154	CARMICHAEL AUDITORIUM	\Locations\NMAH\National Museum of American History\First Floor\1154								

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BUILDING CODE	LEVEL	ROOM ID	ROOM DESCRIPTION	FULLLOCPATH	ACM / PACM?	MATERIAL TYPE	MATERIAL LOCATION	CONDITION	REFERENCE ID	REFERENCE SOURCE	NEW SAMPLE RESULTS	NOTES
031-001	3	1154A	STAGE	\Locations\NMAH\National Museum of American History\First Floor\1154A								
031-001	3	1154B	Stage Storage	\Locations\NMAH\National Museum of American History\First Floor\1154B	ACM	Drywall joint compound	Throughout (1,500 SF)	Good	Carmichael Auditorium	AMA 2009	To Be Determined	
031-001	3	1154B	Stage Storage	\Locations\NMAH\National Museum of American History\First Floor\1154B	ACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (500)	Good	Carmichael Auditorium	Hygienetics 1989		
031-001	3	1154C		\Locations\NMAH\National Museum of American History\First Floor\1154C								
031-001	3	1154D		\Locations\NMAH\National Museum of American History\First Floor\1154D								
031-001	3	1154E		\Locations\NMAH\National Museum of American History\First Floor\1154E								
031-001	3	1154F		\Locations\NMAH\National Museum of American History\First Floor\1154F	ACM	Drywall joint compound	Throughout (300 SF)	Good	Carmichael Auditorium	AMA 2009	To Be Determined	
031-001	3	1155	AGRICULTURE	\Locations\NMAH\National Museum of American History\First Floor\1155	ACM	Drywall joint compound	East wall (750 SF)	Damaged	Farm Machinery	AMA 2009	To Be Determined	3 SF Damaged
031-001	3	1155	AGRICULTURE	\Locations\NMAH\National Museum of American History\First Floor\1155	ACM	Cementitious pipe fittings	North wall hatch (2 Fittings)	Good	Farm Machinery	Hygienetics 1989		
031-001	3	1156	MARITIME ENTERPRISE	\Locations\NMAH\National Museum of American History\First Floor\1156								
031-001	3	1158		\Locations\NMAH\National Museum of American History\First Floor\1158								
031-001	3	1158A		\Locations\NMAH\National Museum of American History\First Floor\1158A								
031-001	3			\Locations\NMAH\National Museum of American History\First Floor\1000C1								
031-001	4	1040F		\Locations\NMAH\National Museum of American History\First Floor Mezzanine\1040F	ACM	Drywall joint compound	Throughout (2,500 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	4	1145B		\Locations\NMAH\National Museum of American History\First Floor Mezzanine\1145B	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (72 SF)	Good	Carmichael Auditorium	Hygienetics 1989		Tan with brown streaks
031-001	4	1145C		\Locations\NMAH\National Museum of American History\First Floor Mezzanine\1145C	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (20 SF)	Good	Carmichael Auditorium Projection Area	Hygienetics 1989		Grey with white streaks
031-001	4	1145D		\Locations\NMAH\National Museum of American History\First Floor Mezzanine\1145D	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (20 SF)	Good	Carmichael Auditorium Projection Area	Hygienetics 1989		Grey with white streaks
031-001	4	1145E		\Locations\NMAH\National Museum of American History\First Floor Mezzanine\1145E	ACM	Black duct seam sealant on foil	Near ceiling (80 SF)	Good	Carmichael Auditorium Projection Area	AMA 2009	3% Chrysotile	
031-001	4	1145F		\Locations\NMAH\National Museum of American History\First Floor Mezzanine\1145F	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (300 SF)	Good	Carmichael Auditorium Projection Area	Hygienetics 1989		Grey with white streaks
031-001	4	1145F		\Locations\NMAH\National Museum of American History\First Floor Mezzanine\1145F	ACM	Cementitious duct insulation	Near ceiling (80 SF)	Damaged	Carmichael Auditorium Projection Area	Hygienetics 1989		1'x1' duct (<1 SF Damaged)
031-001	4	1145G		\Locations\NMAH\National Museum of American History\First Floor Mezzanine\1145G								
031-001	5	2000	FROM FIELD TO FACTORY	\Locations\NMAH\National Museum of American History\Second Floor\2000	ACM	Drywall joint compound	Throughout (1,080 SF)	N/A	Storage	AMA 2009	No Asbestos Detected	
031-001	5	2000	FROM FIELD TO FACTORY	\Locations\NMAH\National Museum of American History\Second Floor\2000	ACM	Black duct seam sealant on foil	Throughout (320 SF)	Good	Storage	AMA 2010	3% Chrysotile	2'x2' Duct
031-001	5	2000C1	MALL LOBBY	\Locations\NMAH\National Museum of American History\Second Floor\2000C1								
031-001	5	2000C10		\Locations\NMAH\National Museum of American History\Second Floor\2000C10								
031-001	5	2000C11	CEREMONIAL COURT	\Locations\NMAH\National Museum of American History\Second Floor\2000C11	ACM	Drywall joint compound	North and South walls (920 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	5	2000C12		\Locations\NMAH\National Museum of American History\Second Floor\2000C12	ACM	Drywall joint compound	Throughout (3,500 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	5	2000C13		\Locations\NMAH\National Museum of American History\Second Floor\2000C13	ACM	Drywall joint compound	North and South walls (1,420 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	5	2000C2		\Locations\NMAH\National Museum of American History\Second Floor\2000C2								
031-001	5	2000C3	FLAG HALL	\Locations\NMAH\National Museum of American History\Second Floor\2000C3								
031-001	5	2000C4		\Locations\NMAH\National Museum of American History\Second Floor\2000C4								
031-001	5	2000C5	STAR SPANGLED BANNER	\Locations\NMAH\National Museum of American History\Second Floor\2000C5	ACM	Drywall joint compound	Throughout (2,700 SF)	Good	Flag Area	AMA 2009	To Be Determined	
031-001	5	2000C6	Lab, Textile/costume	\Locations\NMAH\National Museum of American History\Second Floor\2000C6								
031-001	5	2000C7		\Locations\NMAH\National Museum of American History\Second Floor\2000C7	ACM	Drywall joint compound	Throughout (800 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	5	2000C8		\Locations\NMAH\National Museum of American History\Second Floor\2000C8	ACM	Drywall joint compound	Throughout (4,000 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	5	2000C9		\Locations\NMAH\National Museum of American History\Second Floor\2000C9	ACM	Drywall joint compound	Throughout (280 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	5	2000E1		\Locations\NMAH\National Museum of American History\Second Floor\2000E1								
031-001	5	2000E2		\Locations\NMAH\National Museum of American History\Second Floor\2000E2								
031-001	5	2000E3		\Locations\NMAH\National Museum of American History\Second Floor\2000E3	PACM	Elevator door insulation	North wall (48 SF)	Good	N/A	AMA 2009		Assumed present
031-001	5	2000E4		\Locations\NMAH\National Museum of American History\Second Floor\2000E4								
031-001	5	2000E5		\Locations\NMAH\National Museum of American History\Second Floor\2000E5								
031-001	5	2000E6		\Locations\NMAH\National Museum of American History\Second Floor\2000E6	PACM	Elevator door insulation	North wall (48 SF)	Good	N/A	AMA 2009		Assumed present
031-001	5	2000E7		\Locations\NMAH\National Museum of American History\Second Floor\2000E7	PACM	Elevator door insulation	South wall (48 SF)	Good	N/A	AMA 2009		Assumed present
031-001	5	2000E8		\Locations\NMAH\National Museum of American History\Second Floor\2000E8	PACM	Elevator door insulation	South wall (48 SF)	Good	N/A	AMA 2009		Assumed present
031-001	5	2000ES2		\Locations\NMAH\National Museum of American History\Second Floor\2000E11	ACM	Drywall joint compound	Throughout (480 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	5	2000ES1		\Locations\NMAH\National Museum of American History\Second Floor\2000ES1								
031-001	5	2000ES10		\Locations\NMAH\National Museum of American History\Second Floor\2000ES10								
031-001	5	2000ES2		\Locations\NMAH\National Museum of American History\Second Floor\2000ES2								
031-001	5	2000ES3		\Locations\NMAH\National Museum of American History\Second Floor\2000ES3								
031-001	5	2000ES4		\Locations\NMAH\National Museum of American History\Second Floor\2000ES4								
031-001	5	2000ES7		\Locations\NMAH\National Museum of American History\Second Floor\2000ES7								
031-001	5	2000ES8		\Locations\NMAH\National Museum of American History\Second Floor\2000ES8								
031-001	5	2000ES9		\Locations\NMAH\National Museum of American History\Second Floor\2000ES9								
031-001	5	2000EL2		\Locations\NMAH\National Museum of American History\Second Floor\2000EL2	ACM	Drywall joint compound	Throughout (660 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	5	2000EL3		\Locations\NMAH\National Museum of American History\Second Floor\2000EL3	ACM	Drywall joint compound	North, East and South walls (420 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	5	2000IT1		\Locations\NMAH\National Museum of American History\Second Floor\2000IT1	ACM	Drywall joint compound	Throughout (560 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	5	2000IT2		\Locations\NMAH\National Museum of American History\Second Floor\2000IT2	ACM	Drywall joint compound	Throughout (630 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	5	2000L1		\Locations\NMAH\National Museum of American History\Second Floor\2000L1	ACM	Drywall joint compound	Throughout (550 SF)	Good	18th Century America	AMA 2009	To Be Determined	
031-001	5	2000L1		\Locations\NMAH\National Museum of American History\Second Floor\2000L2	PACM	12" x 12" Vinyl floor tile and associated mastic	Throughout (150 SF)	Good	18th Century America	AMA 2009		Off-white with gray streaks (new)
031-001	5	2000L2		\Locations\NMAH\National Museum of American History\Second Floor\2000L2	ACM	Drywall joint compound	Throughout (560 SF)	Good	18th Century America	AMA 2009	To Be Determined	
031-001	5	2000L3		\Locations\NMAH\National Museum of American History\Second Floor\2000L3								
031-001	5	2000L4		\Locations\NMAH\National Museum of American History\Second Floor\2000L4	ACM	Drywall joint compound	Throughout (600 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	5	2000L6A		\Locations\NMAH\National Museum of American History\Second Floor\2000L6A	ACM	Drywall joint compound	Throughout (360 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	5	2000M1		\Locations\NMAH\National Museum of American History\Second Floor\2000M1								
031-001	5	2000M10		\Locations\NMAH\National Museum of American History\Second Floor\2000M10								
031-001	5	2000M11		\Locations\NMAH\National Museum of American History\Second Floor\2000M11								
031-001	5	2000M12		\Locations\NMAH\National Museum of American History\Second Floor\2000M12								
031-001	5	2000M13		\Locations\NMAH\National Museum of American History\Second Floor\2000M13								
031-001	5	2000M14		\Locations\NMAH\National Museum of American History\Second Floor\2000M14								
031-001	5	2000M15		\Locations\NMAH\National Museum of American History\Second Floor\2000M15								
031-001	5	2000M16		\Locations\NMAH\National Museum of American History\Second Floor\2000M16								
031-001	5	2000M17		\Locations\NMAH\National Museum of American History\Second Floor\2000M17								
031-001	5	2000M18		\Locations\NMAH\National Museum of American History\Second Floor\2000M18								
031-001	5	2000M19		\Locations\NMAH\National Museum of American History\Second Floor\2000M19								
031-001	5	2000M2		\Locations\NMAH\National Museum of American History\Second Floor\2000M2								
031-001	5	2000M20	LIGHTING STORAGE	\Locations\NMAH\National Museum of American History\Second Floor\2000M20								
031-001	5	2000M21		\Locations\NMAH\National Museum of American History\Second Floor\2000M21								
031-001	5	2000M22		\Locations\NMAH\National Museum of American History\Second Floor\2000M22								
031-001	5	2000M23		\Locations\NMAH\National Museum of American History\Second Floor\2000M23								
031-001	5	2000M24		\Locations\NMAH\National Museum of American History\Second Floor\2000M24								
031-001	5	2000M25		\Locations\NMAH\National Museum of American History\Second Floor\2000M25								
031-001	5	2000M26		\Locations\NMAH\National Museum of American History\Second Floor\2000M26								
031-001	5	2000M3		\Locations\NMAH\National Museum of American History\Second Floor\2000M3	ACM	Cementitious pipe fittings	West wall (1 Fitting)	Good	N/A	Hygienetics 1989		
031-001	5	2000M4		\Locations\NMAH\National Museum of American History\Second Floor\2000M4	ACM	Drywall joint compound	Throughout (260 SF)	Good	18th Century America	AMA 2009	To Be Determined	
031-001	5	2000M5		\Locations\NMAH\National Museum of American History\Second Floor\2000M5								
031-001	5	2000M6		\Locations\NMAH\National Museum of American History\Second Floor\2000M6								
031-001	5	2000M7		\Locations\NMAH\National Museum of American History\Second Floor\2000M7								
031-001	5	2000M8		\Locations\NMAH\National Museum of American History\Second Floor\2000M8	ACM	Cementitious pipe fittings	East wall (1 Fitting)	Good	N/A	Hygienetics 1989		
031-001	5	2000M9		\Locations\NMAH\National Museum of American History\Second Floor\2000M9								
031-001	5	2000S1		\Locations\NMAH\National Museum of American History\Second Floor\2000S1								
031-001	5	2000S2		\Locations\NMAH\National Museum of American History\Second Floor\2000S2								
031-001	5	2000S4		\Locations\NMAH\National Museum of American History\Second Floor\2000S4								
031-001	5	2000S5		\Locations\NMAH\National Museum of American History\Second Floor\2000S5								
031-001	5	2000S7		\Locations\NMAH\National Museum of American History\Second Floor\2000S7								
031-001	5	2000S8		\Locations\NMAH\National Museum of American History\Second Floor\2000S8								
031-001	5	2000V1		\Locations\NMAH\National Museum of American History\Second Floor\2000V1	ACM	Drywall joint compound	Throughout (480 SF)	Damaged	Storage	AMA 2009	To Be Determined	
031-001	5	2000V2		\Locations\NMAH\National Museum of American History\Second Floor\2000V2	ACM	Drywall joint compound	Throughout (700 SF)	Damaged	N/A	AMA 2009	To Be Determined	
031-001	5	2000V4		\Locations\NMAH\National Museum of American History\Second Floor\2000V4	ACM	Drywall joint compound	Throughout (400 SF)	Damaged	N/A	AMA 2009	To Be Determined	
031-001	5	2000V4A		\Locations\NMAH\National Museum of American History\Second Floor\2000V4A	ACM	Drywall joint compound	Throughout (6,400 SF)	Damaged	N/A	AMA 2009	To Be Determined	
031-001	5	2000V5		\Locations\NMAH\National Museum of American History\Second Floor\2000V5	ACM	Drywall joint compound	Throughout (800 SF)	Damaged	N/A	AMA 2009	To Be Determined	
031-001	5	2001	FLAG CONSERVATION	\Locations\NMAH\National Museum of American History\Second Floor\2001	ACM	Drywall joint compound	Throughout (4,000 SF)	N/A	Storage	AMA 2009	No Asbestos Detected	
031-001	5	2001	FLAG CONSERVATION	\Locations\NMAH\National Museum of American History\Second Floor\2001	ACM	Black duct seam sealant on foil	Throughout (800 SF)	Good	Storage	AMA 2009	3% Chrysotile	2'x2' Duct
031-001	5	2002		\Locations\NMAH\National Museum of American History\Second Floor\2002								
031-001	5	2003	SSB STORAGE	\Locations\NMAH\National Museum of American History\Second Floor\2003	ACM	Drywall joint compound	Throughout (960 SF)	N/A	N/A	AMA 2009	No Asbestos Detected	
031-001	5	2005		\Locations\NMAH\National Museum of American History\Second Floor\2005								
031-001	5	2006	MUSIC SHOP	\Locations\NMAH\National Museum of American History\Second Floor\2006	ACM	Drywall joint compound	Throughout (1,800 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	5	2006A		\Locations\NMAH\National Museum of American History\Second Floor\2006A								
031-001	5	2007	MUSEUM SHOP	\Locations\NMAH\National Museum of American History\Second Floor\2007	ACM	Drywall joint compound	Throughout (400 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	5	2007A	MUSEUM SHOP	\Locations\NMAH\National Museum of American History\Second Floor\2007A	ACM	Drywall joint compound	Throughout (120 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	5	2007B	MUSEUM SHOP	\Locations\NMAH\National Museum of American History\Second Floor\2007B	ACM	Drywall joint compound	Throughout (320 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	5	2007D	MUSEUM SHOP	\Locations\NMAH\National Museum of American History\Second Floor\2007D	ACM	Drywall joint compound	Throughout (120 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	5	2008		\Locations\NMAH\National Museum of American History\Second Floor\2008								
031-001	5	2009		\Locations\NMAH\National Museum of American History\Second Floor\2009								
031-001	5	2100	CHANGING NATION	\Locations\NMAH\National Museum of American History\Second Floor\2100	ACM	Drywall joint compound	Throughout (7,000 SF)	Good	Nation of Nations	AMA 2009	To Be Determined	
031-001	5	2100A		\Locations\NMAH\National Museum of American History\Second Floor\2100A	ACM	Drywall joint compound	Throughout (840 SF)	Good	Nation of Nations	AMA 2009	To Be Determined	
031-001	5	2100B		\Locations\NMAH\National Museum of American History\Second Floor\2100B	ACM	Drywall joint compound	West wall (440 SF)	Good	Nation of Nations	AMA 2009	To Be Determined	
031-001	5	2100C		\Locations\NMAH\National Museum of American History\Second Floor\2100C	ACM	Drywall joint compound	West wall (480 SF)	Good	Nation of Nations	AMA 2009	To Be Determined	
031-001	5	2101A	CHANGING EXHIBITION	\Locations\NMAH\National Museum of American History\Second Floor\2101A	ACM	Drywall joint compound	Throughout (4,000 SF)	Good	Nation of Nations	AMA 2009	To Be Determined	
031-001	5	2102	DAY CARE CENTER	\Locations\NMAH\National Museum of American History\Second Floor\2102	ACM	Drywall joint compound	Throughout (2,400 SF)	Good	18th Century America	AMA 2009	To Be Determined	
031-001	5	2102A	DAY CARE	\Locations\NMAH\National Museum of American History\Second Floor\2102A	PACM	12" x 12" Vinyl floor tile and associated mastic	Throughout (160 SF)	Good	19th Century America	AMA 2009		Off-white with blue spots (new)
031-001	5	2102A	DAY CARE	\Locations\NMAH\National Museum of American History\Second Floor\2102A	ACM	Drywall joint compound	Throughout (700 SF)	Good	18th Century America	AMA 2009	To Be Determined	
031-001	5	2102B		\Locations\NMAH\National Museum of American History\Second Floor\2102B	ACM	Drywall joint compound	Throughout (520 SF)	Good	18th Century America	AMA 2009	To Be Determined	
031-001	5	2102C		\Locations\NMAH\National Museum of American History\Second Floor\2102C								
031-001	5	2102D		\Locations\NMAH\National Museum of American History\Second Floor\2102D								
031-001	5	2103		\Locations\NMAH\National Museum of American History\Second Floor\2103								
031-001	5	2104	DOCENT STORAGE	\Locations\NMAH\National Museum of American History\Second Floor\2104	PACM	Fire door	East wall to 2000C7 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	5	2104	DOCENT STORAGE	\Locations\NMAH\National Museum of American History\Second Floor\2104	ACM	Drywall joint compound	Throughout (400 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	5	2105	FPM STORAGE	\Locations\NMAH\National Museum of American History\Second Floor\2105	ACM	Drywall joint compound	Throughout (480 SF)	Good	Nation of nations	AMA 2009	To Be Determined	
031-001	5	2106		\Locations\NMAH\National Museum of American History\Second Floor\2106	ACM	Drywall joint compound	Throughout (480 SF)	Good	Nation of nations	AMA 2009	To Be Determined	
031-001	5	2107	DOCENT LOUNGE	\Locations\NMAH\National Museum of American History\Second Floor\2107	ACM	Drywall joint compound	Throughout (540 SF)	Good	Nation of nations	AMA 2009	To Be Determined	
031-001	5	2108	WITHIN THESE WALLS	\Locations\NMAH\National Museum of American History\Second Floor\2108	ACM	Drywall joint compound	Throughout (2,500 SF)	Good	Hart House	AMA 2009	To Be Determined	

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BUILDING CODE	LEVEL	ROOM ID	ROOM DESCRIPTION	FULLLOCPATH	ACM / PACM?	MATERIAL TYPE	MATERIAL LOCATION	CONDITION	REFERENCE ID	REFERENCE SOURCE	NEW SAMPLE RESULTS	NOTES
031-001	5	2108A	WITHIN THESE WALLS	\Locations\NMAH\National Museum of American History\Second Floor\2108A	ACM	Drywall joint compound	Throughout (400 SF)	Good	Life in 18th Century	AMA 2009	To Be Determined	
031-001	5	2109	EXHIBIT STORAGE	\Locations\NMAH\National Museum of American History\Second Floor\2109	ACM	Drywall joint compound	Throughout (1,100 SF)	Good	Storage	AMA 2009	To Be Determined	
031-001	5	2109A		\Locations\NMAH\National Museum of American History\Second Floor\2109A	ACM	Drywall joint compound	North, East and West walls (920 SF)	Good	Storage	AMA 2009	To Be Determined	
031-001	5	2110	AMERICAN ENCOUNTERS	\Locations\NMAH\National Museum of American History\Second Floor\2110	ACM	Drywall joint compound	Throughout (400 SF)	Good	Life in 18th Century	AMA 2009	To Be Determined	
031-001	5	2110B	AMERICAN ENCOUNTERS	\Locations\NMAH\National Museum of American History\Second Floor\2110B	ACM	Drywall joint compound	Throughout (400 SF)	Good	Life in 18th Century	AMA 2009	To Be Determined	
031-001	5	2110A	AMERICAN ENCOUNTERS	\Locations\NMAH\National Museum of American History\Second Floor\2110A	ACM	Drywall joint compound	North wall (1,300 SF)	Good	Life in 18th Century	AMA 2009	To Be Determined	
031-001	5	2110C	AMERICAN ENCOUNTERS	\Locations\NMAH\National Museum of American History\Second Floor\2110C	ACM	Drywall joint compound	West wall (1,200 SF)	Good	Life in 18th Century	AMA 2009	To Be Determined	
031-001	5	2110F	AMERICAN ENCOUNTERS	\Locations\NMAH\National Museum of American History\Second Floor\2110F	ACM	Drywall joint compound	West wall (1,200 SF)	Good	Life in 18th Century	AMA 2009	To Be Determined	
031-001	5	2110G	AMERICAN ENCOUNTERS	\Locations\NMAH\National Museum of American History\Second Floor\2110G	ACM	Drywall joint compound	West wall (1,200 SF)	Good	Life in 18th Century	AMA 2009	To Be Determined	
031-001	5	2111	STAR SPANGLED BANNER	\Locations\NMAH\National Museum of American History\Second Floor\2111								
031-001	5	2200	FIRST LADIES	\Locations\NMAH\National Museum of American History\Second Floor\2200	ACM	Drywall joint compound	Throughout (5,000 SF)	Damaged	N/A	AMA 2009	To Be Determined	5 SF Damaged
031-001	5	2200	FIRST LADIES	\Locations\NMAH\National Museum of American History\Second Floor\2200	PACM	Fire door	North wall to 2000C11 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	5	2201		\Locations\NMAH\National Museum of American History\Second Floor\2201								
031-001	5	2202	WHITE HOUSE ELEVATOR	\Locations\NMAH\National Museum of American History\Second Floor\2202	ACM	Drywall joint compound	Throughout (1,170 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	5	2203		\Locations\NMAH\National Museum of American History\Second Floor\2203								
031-001	5	2300	HANDS ON HISTORY	\Locations\NMAH\National Museum of American History\Second Floor\2300								
031-001	5	2300A		\Locations\NMAH\National Museum of American History\Second Floor\2300A	ACM	Drywall joint compound	North, East and South walls (1,000 SF)	Good	18th Century America	AMA 2009	To Be Determined	
031-001	5	2301	SEPTEMBER II	\Locations\NMAH\National Museum of American History\Second Floor\2301	ACM	Drywall joint compound	North, East and South walls (5,000 SF)	Good	18th Century America	AMA 2009	To Be Determined	
031-001	5	2301	SEPTEMBER II	\Locations\NMAH\National Museum of American History\Second Floor\2301	ACM	Brown duct pin mastic	Throughout (400 SF)	Good	18th Century America	N/A		
031-001	5	2302	SPRINGER FAMILY HOUSE	\Locations\NMAH\National Museum of American History\Second Floor\2302								
031-001	5	2303		\Locations\NMAH\National Museum of American History\Second Floor\2303	ACM	Drywall joint compound	Throughout (6,800 SF)	N/A	18th Century America	AMA 2009	No Asbestos Detected	
031-001	5	2303		\Locations\NMAH\National Museum of American History\Second Floor\2303	ACM	Brown duct pin mastic	Throughout (4,000 SF)	Good	18th Century America	N/A		
031-001	5	2303A		\Locations\NMAH\National Museum of American History\Second Floor\2303A	ACM	Drywall joint compound	Throughout (660 SF)	Damaged	18th Century America	AMA 2009	To Be Determined	5 SF Damaged
031-001	5	2304		\Locations\NMAH\National Museum of American History\Second Floor\2304	ACM	Drywall joint compound	Throughout (600 SF)	Good	18th Century America	AMA 2009	To Be Determined	
031-001	5	2305		\Locations\NMAH\National Museum of American History\Second Floor\2305	ACM	Drywall joint compound	Throughout (1,500 SF)	Good	18th Century America	AMA 2009	To Be Determined	
031-001	5	2306	PARLOR TO POLITICS	\Locations\NMAH\National Museum of American History\Second Floor\2306								
031-001	5	2306A		\Locations\NMAH\National Museum of American History\Second Floor\2306A	ACM	Drywall joint compound	Throughout (1,500 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	5	2307		\Locations\NMAH\National Museum of American History\Second Floor\2307	ACM	Drywall joint compound	Throughout (2,000 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	5	2308		\Locations\NMAH\National Museum of American History\Second Floor\2308								
031-001	6	3000C1		\Locations\NMAH\National Museum of American History\Third Floor\3000C1	ACM	Drywall joint compound	Throughout (1,100 SF)	Good	Philately	AMA 2009	To Be Determined	
031-001	6	3000C2		\Locations\NMAH\National Museum of American History\Third Floor\3000C2								
031-001	6	3000C2A		\Locations\NMAH\National Museum of American History\Third Floor\3000C2A	ACM	Drywall joint compound	Throughout (3,000 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	6	3000C3	TEXTILES	\Locations\NMAH\National Museum of American History\Third Floor\3000C3								
031-001	6	3000C4		\Locations\NMAH\National Museum of American History\Third Floor\3000C4								
031-001	6	3000C5		\Locations\NMAH\National Museum of American History\Third Floor\3000C5								
031-001	6	3000C6		\Locations\NMAH\National Museum of American History\Third Floor\3000C6								
031-001	6	3000E1		\Locations\NMAH\National Museum of American History\Third Floor\3000E1								
031-001	6	3000E2		\Locations\NMAH\National Museum of American History\Third Floor\3000E2								
031-001	6	3000E3		\Locations\NMAH\National Museum of American History\Third Floor\3000E3	PACM	Elevator door insulation	North wall (48 SF)	Good	N/A	AMA 2009		Assumed present
031-001	6	3000E4		\Locations\NMAH\National Museum of American History\Third Floor\3000E4								
031-001	6	3000E5		\Locations\NMAH\National Museum of American History\Third Floor\3000E5								
031-001	6	3000E6		\Locations\NMAH\National Museum of American History\Third Floor\3000E6	PACM	Elevator door insulation	North wall (48 SF)	Good	N/A	AMA 2009		Assumed present
031-001	6	3000E7		\Locations\NMAH\National Museum of American History\Third Floor\3000E7	PACM	Elevator door insulation	South wall (48 SF)	Good	N/A	AMA 2009		Assumed present
031-001	6	3000E8		\Locations\NMAH\National Museum of American History\Third Floor\3000E8	PACM	Elevator cab wall insulation	North, East and West walls (945 SF)	Good	N/A	AMA 2009		Assumed present
031-001	6	3000E8		\Locations\NMAH\National Museum of American History\Third Floor\3000E8	PACM	Elevator brake pads	Throughout (4 Brake pads)	Good	N/A	AMA 2009		
031-001	6	3000E8		\Locations\NMAH\National Museum of American History\Third Floor\3000E8	PACM	Elevator door insulation	South wall (48 SF)	Good	N/A	AMA 2009		Assumed present
031-001	6	3000ES10		\Locations\NMAH\National Museum of American History\Third Floor\3000ES10								
031-001	6	3000ES3		\Locations\NMAH\National Museum of American History\Third Floor\3000ES3								
031-001	6	3000ES4		\Locations\NMAH\National Museum of American History\Third Floor\3000ES4								
031-001	6	3000ES9		\Locations\NMAH\National Museum of American History\Third Floor\3000ES9								
031-001	6	3000EL4		\Locations\NMAH\National Museum of American History\Third Floor\3000EL4	ACM	Drywall joint compound	Throughout (600 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	6	3000IT1		\Locations\NMAH\National Museum of American History\Third Floor\3000IT1	ACM	Drywall joint compound	Throughout (720 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	6	3000L1		\Locations\NMAH\National Museum of American History\Third Floor\3000L1								
031-001	6	3000L2		\Locations\NMAH\National Museum of American History\Third Floor\3000L2								
031-001	6	3000L2A		\Locations\NMAH\National Museum of American History\Third Floor\3000L2A	ACM	Drywall joint compound	Throughout (500 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	6	3000L3		\Locations\NMAH\National Museum of American History\Third Floor\3000L3								
031-001	6	3000L4		\Locations\NMAH\National Museum of American History\Third Floor\3000L4								
031-001	6	3000L5		\Locations\NMAH\National Museum of American History\Third Floor\3000L5								
031-001	6	3000L6		\Locations\NMAH\National Museum of American History\Third Floor\3000L6								
031-001	6	3000M1		\Locations\NMAH\National Museum of American History\Third Floor\3000M1	PACM	Fire door	North wall to 3006 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	6	3000M2		\Locations\NMAH\National Museum of American History\Third Floor\3000M2	ACM	Drywall joint compound	Throughout (500 SF)	Good	Philately	AMA 2009	To Be Determined	
031-001	6	3000M3		\Locations\NMAH\National Museum of American History\Third Floor\3000M3	PACM	Fire door	North wall to 3113 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	6	3000M4		\Locations\NMAH\National Museum of American History\Third Floor\3000M4								
031-001	6	3000M6		\Locations\NMAH\National Museum of American History\Third Floor\3000M6								
031-001	6	3000M7		\Locations\NMAH\National Museum of American History\Third Floor\3000M7	ACM	Drywall joint compound	West wall (220 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	6	3000M8		\Locations\NMAH\National Museum of American History\Third Floor\3000M8								
031-001	6	3000S1		\Locations\NMAH\National Museum of American History\Third Floor\3000S1								
031-001	6	3000S2		\Locations\NMAH\National Museum of American History\Third Floor\3000S2								
031-001	6	3000S4		\Locations\NMAH\National Museum of American History\Third Floor\3000S4								
031-001	6	3000S5		\Locations\NMAH\National Museum of American History\Third Floor\3000S5								
031-001	6	3000S7		\Locations\NMAH\National Museum of American History\Third Floor\3000S7								
031-001	6	3000S8		\Locations\NMAH\National Museum of American History\Third Floor\3000S8								
031-001	6	3001		\Locations\NMAH\National Museum of American History\Third Floor\3001	ACM	Drywall joint compound	Throughout (3,500 SF)	Good	Printing	AMA 2009	To Be Determined	
031-001	6	3002		\Locations\NMAH\National Museum of American History\Third Floor\3002	ACM	Drywall joint compound	Throughout (1,000 SF)	Good	Philately	AMA 2009	To Be Determined	
031-001	6	3003		\Locations\NMAH\National Museum of American History\Third Floor\3003	ACM	Drywall joint compound	Throughout (1,500 SF)	Good	Philately	AMA 2009	To Be Determined	
031-001	6	3004		\Locations\NMAH\National Museum of American History\Third Floor\3004	ACM	Drywall joint compound	Throughout (3,500 SF)	Good	Philately	AMA 2009	To Be Determined	
031-001	6	3004A		\Locations\NMAH\National Museum of American History\Third Floor\3004A	ACM	Drywall joint compound	Throughout (640 SF)	Good	Philately	AMA 2009	To Be Determined	
031-001	6	3005		\Locations\NMAH\National Museum of American History\Third Floor\3005	ACM	Drywall joint compound	Throughout (520 SF)	Good	Philately	AMA 2009	To Be Determined	
031-001	6	3006	MUSICAL INSTRUMENTS	\Locations\NMAH\National Museum of American History\Third Floor\3006								
031-001	6	3007		\Locations\NMAH\National Museum of American History\Third Floor\3007	ACM	Drywall joint compound	Throughout (440 SF)	Good	Philately	AMA 2009	To Be Determined	
031-001	6	3008	PRINT SHOP & POST OFFICE	\Locations\NMAH\National Museum of American History\Third Floor\3008	ACM	Drywall joint compound	Throughout (300 SF)	Good	Printing	AMA 2009	To Be Determined	
031-001	6	3008	PRINT SHOP & POST OFFICE	\Locations\NMAH\National Museum of American History\Third Floor\3008	ACM	Brown duct pin mastic	Throughout (160 SF)	Good	Printing	N/A		
031-001	6	3009	CHANGING EXHIBITION	\Locations\NMAH\National Museum of American History\Third Floor\3009	ACM	Drywall joint compound	Throughout (2,600 SF)	N/A	Printing	AMA 2009	No Asbestos Detected	
031-001	6	3009	CHANGING EXHIBITION	\Locations\NMAH\National Museum of American History\Third Floor\3009	ACM	Brown duct pin mastic	Throughout (560 SF)	Good	Printing	N/A		
031-001	6	3009A		\Locations\NMAH\National Museum of American History\Third Floor\3009A								
031-001	6	3009B		\Locations\NMAH\National Museum of American History\Third Floor\3009B	ACM	Drywall joint compound	Throughout (300 SF)	Good	Printing	AMA 2009	To Be Determined	
031-001	6	3009B		\Locations\NMAH\National Museum of American History\Third Floor\3009B	ACM	Brown duct pin mastic	Throughout (160 SF)	Good	Printing	N/A		
031-001	6	3009C		\Locations\NMAH\National Museum of American History\Third Floor\3009C								
031-001	6	3100	MUSIC AUDITORIUM	\Locations\NMAH\National Museum of American History\Third Floor\3100								
031-001	6	3101	MUSICAL INSTRUMENTS	\Locations\NMAH\National Museum of American History\Third Floor\3101								
031-001	6	3102		\Locations\NMAH\National Museum of American History\Third Floor\3102								
031-001	6	3103		\Locations\NMAH\National Museum of American History\Third Floor\3103								
031-001	6	3104	CERAMICS	\Locations\NMAH\National Museum of American History\Third Floor\3104	ACM	Drywall joint compound	Throughout (1,740 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	6	3104	CERAMICS	\Locations\NMAH\National Museum of American History\Third Floor\3104	ACM	Black duct seam sealant on foil	Above plaster ceiling (800 SF)	Good	N/A	AMA 2009		
031-001	6	3104	CERAMICS	\Locations\NMAH\National Museum of American History\Third Floor\3104	ACM	Cementitious pipe fittings	Ceiling (1 Fitting visible)	Good	N/A	Hygienetics 1989		
031-001	6	3104A		\Locations\NMAH\National Museum of American History\Third Floor\3104A	ACM	Drywall joint compound	Throughout (420 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	6	3104A		\Locations\NMAH\National Museum of American History\Third Floor\3104A	PACM	Fire door	East wall to 3000C2A (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	6	3105	ELLA FITZGERALD	\Locations\NMAH\National Museum of American History\Third Floor\3105								
031-001	6	3106		\Locations\NMAH\National Museum of American History\Third Floor\3106	ACM	Drywall joint compound	Throughout (1,440 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	6	3106A		\Locations\NMAH\National Museum of American History\Third Floor\3106A	ACM	Drywall joint compound	Throughout (1,440 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	6	3107		\Locations\NMAH\National Museum of American History\Third Floor\3107	ACM	Drywall joint compound	Throughout (795 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	6	3108		\Locations\NMAH\National Museum of American History\Third Floor\3108	ACM	Drywall joint compound	Throughout (500 SF)	Good	Ceramics	AMA 2009	To Be Determined	
031-001	6	3109		\Locations\NMAH\National Museum of American History\Third Floor\3109								
031-001	6	3110	CHANGING GALLERY	\Locations\NMAH\National Museum of American History\Third Floor\3110	ACM	Drywall joint compound	Throughout (660 SF)	Good	Glass	AMA 2009	To Be Determined	
031-001	6	3111	OBJECT STORAGE	\Locations\NMAH\National Museum of American History\Third Floor\3111								
031-001	6	3113		\Locations\NMAH\National Museum of American History\Third Floor\3113								
031-001	6	3200	THE AMERICAN PRESIDENCY	\Locations\NMAH\National Museum of American History\Third Floor\3200	ACM	Drywall joint compound	Throughout (1,650 SF)	Good	Nuministics	AMA 2009	To Be Determined	
031-001	6	3200	THE AMERICAN PRESIDENCY	\Locations\NMAH\National Museum of American History\Third Floor\3200	ACM	Brown duct pin mastic	Throughout (500 SF)	Good	Nuministics	N/A		
031-001	6	3200A		\Locations\NMAH\National Museum of American History\Third Floor\3200A	ACM	Drywall joint compound	Throughout (4,000 SF)	Good	Nuministics	AMA 2009	To Be Determined	
031-001	6	3201		\Locations\NMAH\National Museum of American History\Third Floor\3201	ACM	Drywall joint compound	Throughout (2,600 SF)	Good	Nuministics	AMA 2009	To Be Determined	
031-001	6	3202	MUSEUM SHOP	\Locations\NMAH\National Museum of American History\Third Floor\3202								
031-001	6	3203		\Locations\NMAH\National Museum of American History\Third Floor\3203								
031-001	6	3204	THE GUNBOAT PHILADELPHIA	\Locations\NMAH\National Museum of American History\Third Floor\3204	ACM	Drywall joint compound	Throughout (4,000 SF)	Good	Heart House	AMA 2009	To Be Determined	
031-001	6	3205	A MORE PERFECT UNION	\Locations\NMAH\National Museum of American History\Third Floor\3205	PACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (936 SF)	Good	AB039	AMA 2009		New
031-001	6	3205	A MORE PERFECT UNION	\Locations\NMAH\National Museum of American History\Third Floor\3205	ACM	Drywall joint compound	Throughout (1,120 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	6	3205A		\Locations\NMAH\National Museum of American History\Third Floor\3205A	ACM	Drywall joint compound	Throughout (800 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	6	3205A		\Locations\NMAH\National Museum of American History\Third Floor\3205A	PACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (780 SF)	Good	AB039	AMA 2009		New
031-001	6	3205B		\Locations\NMAH\National Museum of American History\Third Floor\3205B								
031-001	6	3206		\Locations\NMAH\National Museum of American History\Third Floor\3206	ACM	Drywall joint compound	West wall (390 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	6	3206A		\Locations\NMAH\National Museum of American History\Third Floor\3206A	ACM	Drywall joint compound	Throughout (360 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	6	3206B		\Locations\NMAH\National Museum of American History\Third Floor\3206B	ACM	Drywall joint compound	East and South (700 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	6	3208	Price of Freedom Store	\Locations\NMAH\National Museum of American History\Third Floor\3208	ACM	Drywall joint compound	Throughout (1,200 SF)	Good	Heart House	AMA 2009	To Be Determined	
031-001	6	3300	MONEY & MEDALS	\Locations\NMAH\National Museum of American History\Third Floor\3300								
031-001	6	3301	PRICE OF FREEDOM	\Locations\NMAH\National Museum of American History\Third Floor\3301	ACM	Drywall joint compound	Throughout (1,500 SF)	Good	Armed Forces	AMA 2009	To Be Determined	
031-001	6	3301	PRICE OF FREEDOM	\Locations\NMAH\National Museum of American History\Third Floor\3301	ACM	Brown duct pin mastic	Throughout (1,500 SF)	Good	Armed Forces	N/A		
031-001	6	3301A	SECURITY CLOSET	\Locations\NMAH\National Museum of American History\Third Floor\3301A	ACM	Black duct seam sealant on foil	Throughout (240 SF)	Good	N/A	AMA 2009	3% Chrysotile	2'x2' Duct
031-001	6	3303		\Locations\NMAH\National Museum of American History\Third Floor\3303	ACM	Cementitious pipe fittings	Throughout (4 Fittings)	Good	N/A	Hygienetics 1989		Visible
031-001	7	3M205A		\Locations\NMAH\National Museum of American History\Third Floor Mezzanine\3M205A	ACM	Drywall joint compound	Throughout (2,600 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	8	4000		\Locations\NMAH\National Museum of American History\Fourth Floor\4000	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (112 SF)	Good	4000	Hygienetics 1989		
031-001	8	4000		\Locations\NMAH\National Museum of American History\Fourth Floor\4000	PACM	Fire door	South wall to 4000C1 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	8	4000C1		\Locations\NMAH\National Museum of American History\Fourth Floor\4000C1	ACM	Drywall joint compound	Throughout (220 SF)	Good	N/A	AMA 2009	To Be Determined	Above drop around ducts
031-001	8	4000C1		\Locations\NMAH\National Museum of American History\Fourth Floor\4000C1	ACM	Black duct seam sealant on foil	Throughout above drop ceiling	N/A	N/A	AMA 2009	3% Chrysotile	Assumed present based on observations (Quantity unknown)

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BUILDING CODE	LEVEL	ROOM ID	ROOM DESCRIPTION	FULLLOCPATH	ACM / PACM?	MATERIAL TYPE	MATERIAL LOCATION	CONDITION	REFERENCE ID	REFERENCE SOURCE	NEW SAMPLE RESULTS	NOTES
031-001	8	4000C10		\Locations\NMAH\National Museum of American History\Fourth Floor\4000C10	ACM	Black duct seam sealant on foil	Throughout above drop ceiling	N/A	N/A	AMA 2009	3% Chrysotile	Assumed present based on observations (Quantity unknown)
031-001	8	4000C11		\Locations\NMAH\National Museum of American History\Fourth Floor\4000C11								
031-001	8	4000C12		\Locations\NMAH\National Museum of American History\Fourth Floor\4000C12								
031-001	8	4000C13	FLAG HALL CATWALK	\Locations\NMAH\National Museum of American History\Fourth Floor\4000C13								
031-001	8	4000C2		\Locations\NMAH\National Museum of American History\Fourth Floor\4000C2	ACM	Black duct seam sealant on foil	Throughout above drop ceiling	N/A	N/A	AMA 2009	3% Chrysotile	Assumed present based on observations (Quantity unknown)
031-001	8	4000C3		\Locations\NMAH\National Museum of American History\Fourth Floor\4000C3	ACM	Black duct seam sealant on foil	Throughout above drop ceiling	N/A	N/A	AMA 2009	3% Chrysotile	Assumed present based on observations (Quantity unknown)
031-001	8	4000C4		\Locations\NMAH\National Museum of American History\Fourth Floor\4000C4	ACM	Black duct seam sealant on foil	Throughout above drop ceiling	N/A	N/A	AMA 2009	3% Chrysotile	Assumed present based on observations (Quantity unknown)
031-001	8	4000C5		\Locations\NMAH\National Museum of American History\Fourth Floor\4000C5	ACM	Black duct seam sealant on foil	Throughout above drop ceiling	N/A	N/A	AMA 2009	3% Chrysotile	Assumed present based on observations (Quantity unknown)
031-001	8	4000C6		\Locations\NMAH\National Museum of American History\Fourth Floor\4000C6	ACM	Black duct seam sealant on foil	Throughout above drop ceiling	N/A	N/A	AMA 2009	3% Chrysotile	Assumed present based on observations (Quantity unknown)
031-001	8	4000C7		\Locations\NMAH\National Museum of American History\Fourth Floor\4000C7	ACM	Black duct seam sealant on foil	Throughout above drop ceiling	N/A	N/A	AMA 2009	3% Chrysotile	Assumed present based on observations (Quantity unknown)
031-001	8	4000C8		\Locations\NMAH\National Museum of American History\Fourth Floor\4000C8	ACM	Black duct seam sealant on foil	Throughout above drop ceiling	N/A	N/A	AMA 2009	3% Chrysotile	Assumed present based on observations (Quantity unknown)
031-001	8	4000C9		\Locations\NMAH\National Museum of American History\Fourth Floor\4000C9	ACM	Drywall joint compound	East wall (350 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	8	4000C9		\Locations\NMAH\National Museum of American History\Fourth Floor\4000C9	ACM	Black duct seam sealant on foil	Throughout above drop ceiling	N/A	N/A	AMA 2009	3% Chrysotile	Assumed present based on observations (Quantity unknown)
031-001	8	4000C11		\Locations\NMAH\National Museum of American History\Fourth Floor\4000C11	ACM	Drywall joint compound	East wall (320 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	8	4000C11		\Locations\NMAH\National Museum of American History\Fourth Floor\4000C11	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (48 SF)	Good	4505A	Hygienetics 1989		White with black streaks
031-001	8	4000E1		\Locations\NMAH\National Museum of American History\Fourth Floor\4000E1								
031-001	8	4000E2		\Locations\NMAH\National Museum of American History\Fourth Floor\4000E2								
031-001	8	4000E3		\Locations\NMAH\National Museum of American History\Fourth Floor\4000E3	PACM	Elevator door insulation	North wall (48 SF)	Good	N/A	AMA 2009		Assumed present
031-001	8	4000E4		\Locations\NMAH\National Museum of American History\Fourth Floor\4000E4								
031-001	8	4000E5		\Locations\NMAH\National Museum of American History\Fourth Floor\4000E5								
031-001	8	4000E6		\Locations\NMAH\National Museum of American History\Fourth Floor\4000E6	PACM	Elevator door insulation	North wall (48 SF)	Good	N/A	AMA 2009		Assumed present
031-001	8	4000E7		\Locations\NMAH\National Museum of American History\Fourth Floor\4000E7	PACM	Elevator door insulation	South wall (48 SF)	Good	N/A	AMA 2009		Assumed present
031-001	8	4000E8		\Locations\NMAH\National Museum of American History\Fourth Floor\4000E8	PACM	Elevator door insulation	South wall (48 SF)	Good	N/A	AMA 2009		Assumed present
031-001	8	4000M1		\Locations\NMAH\National Museum of American History\Fourth Floor\4000M1	ACM	Drywall joint compound	East wall (900 SF)	Good	Mech 4	AMA 2009	To Be Determined	
031-001	8	4000M10		\Locations\NMAH\National Museum of American History\Fourth Floor\4000M10	PACM	Fire door	West wall to 4303A (1 @ 3' x 7')	Good	4000M7	AMA 2009		
031-001	8	4000M11		\Locations\NMAH\National Museum of American History\Fourth Floor\4000M11	PACM	Fire door	South wall to 4404B (1 @ 3' x 7')	Good	4400A	AMA 2009		
031-001	8	4000M11		\Locations\NMAH\National Museum of American History\Fourth Floor\4000M11	ACM	Drywall joint compound	North and South wall (180 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	8	4000M2		\Locations\NMAH\National Museum of American History\Fourth Floor\4000M2								
031-001	8	4000M3		\Locations\NMAH\National Museum of American History\Fourth Floor\4000M3	ACM	Drywall joint compound	West wall (780 SF)	Good	Mech 4	AMA 2009	To Be Determined	
031-001	8	4000M4		\Locations\NMAH\National Museum of American History\Fourth Floor\4000M4								
031-001	8	4000M5		\Locations\NMAH\National Museum of American History\Fourth Floor\4000M5								
031-001	8	4000M6		\Locations\NMAH\National Museum of American History\Fourth Floor\4000M6	PACM	Fire door	South wall to 4000C2 (1 @ 3' x 7')	Good	4000	AMA 2009		
031-001	8	4000M7		\Locations\NMAH\National Museum of American History\Fourth Floor\4000M7	PACM	Fire door	East wall to 4000C8 (2 @ 3' x 7')	Good	4000M7	AMA 2009		
031-001	8	4000M8		\Locations\NMAH\National Museum of American History\Fourth Floor\4000M8	PACM	Fire door	East wall to 4406 (1 @ 3' x 7')	Good	4000M8	AMA 2009		
031-001	8	4000M9		\Locations\NMAH\National Museum of American History\Fourth Floor\4000M9								
031-001	8	4000S1		\Locations\NMAH\National Museum of American History\Fourth Floor\4000S1	PACM	Fire door	East wall to 4000C1 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	8	4000S2		\Locations\NMAH\National Museum of American History\Fourth Floor\4000S2	PACM	Fire door	East wall to 4000C1 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	8	4000S3		\Locations\NMAH\National Museum of American History\Fourth Floor\4000S3	PACM	Fire door	East wall to 4000C8 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	8	4000S4		\Locations\NMAH\National Museum of American History\Fourth Floor\4000S4	PACM	Fire door	West wall to 4000C9 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	8	4000S5		\Locations\NMAH\National Museum of American History\Fourth Floor\4000S5	PACM	Fire door	West wall to 4000C4 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	8	4000S6		\Locations\NMAH\National Museum of American History\Fourth Floor\4000S6	PACM	Fire door	West wall to 4000C4 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	8	4000T1		\Locations\NMAH\National Museum of American History\Fourth Floor\4000T1								
031-001	8	4000T2		\Locations\NMAH\National Museum of American History\Fourth Floor\4000T2	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (44 SF)	Good	4505A	Hygienetics 1989		White with black streaks
031-001	8	4000T2		\Locations\NMAH\National Museum of American History\Fourth Floor\4000T2								
031-001	8	4000V1		\Locations\NMAH\National Museum of American History\Fourth Floor\4000V1	ACM	Drywall joint compound	West wall (530 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	8	4001		\Locations\NMAH\National Museum of American History\Fourth Floor\4001	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (180 SF)	Good	4000	Hygienetics 1989		Under carpet
031-001	8	4001A		\Locations\NMAH\National Museum of American History\Fourth Floor\4001A	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (120 SF)	Good	4000	Hygienetics 1989		Under carpet
031-001	8	4001A		\Locations\NMAH\National Museum of American History\Fourth Floor\4001A	PACM	Fire door	North wall to 4001 (1 @ 3' x 7')	Good	4000	AMA 2009		
031-001	8	4001AA		\Locations\NMAH\National Museum of American History\Fourth Floor\4001AA	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (60 SF)	Good	4000	Hygienetics 1989		
031-001	8	4001AA		\Locations\NMAH\National Museum of American History\Fourth Floor\4001AA	ACM	Black cement sink top	Throughout (20 SF)	Good	4000	Hygienetics 1989		
031-001	8	4001AA		\Locations\NMAH\National Museum of American History\Fourth Floor\4001AA	PACM	Fire door	North wall to 4001A (1 @ 3' x 7')	Good	4000	AMA 2009		
031-001	8	4001B		\Locations\NMAH\National Museum of American History\Fourth Floor\4001B	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (224 SF)	Good	4000	Hygienetics 1989		Under carpet
031-001	8	4001B		\Locations\NMAH\National Museum of American History\Fourth Floor\4001B	PACM	Fire door	East wall to 4001 (1 @ 3' x 7')	Good	4000	AMA 2009		
031-001	8	4001C		\Locations\NMAH\National Museum of American History\Fourth Floor\4001C	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (300 SF)	Good	4000	Hygienetics 1989		Under carpet
031-001	8	4001C		\Locations\NMAH\National Museum of American History\Fourth Floor\4001C	PACM	Fire door	South wall to 4001 (1 @ 3' x 7')	Good	4000	AMA 2009		
031-001	8	4001D		\Locations\NMAH\National Museum of American History\Fourth Floor\4001D								
031-001	8	4001E		\Locations\NMAH\National Museum of American History\Fourth Floor\4001E	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (280 SF)	Good	4000	Hygienetics 1989		Under carpet
031-001	8	4001E		\Locations\NMAH\National Museum of American History\Fourth Floor\4001E	PACM	Fire door	South wall to 4001 (1 @ 3' x 7') and East wall to 4001F (1 @ 3' x 7')	Good	4000	AMA 2009		
031-001	8	4001EA		\Locations\NMAH\National Museum of American History\Fourth Floor\4001EA	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (180 SF)	Good	4000	Hygienetics 1989		Under carpet
031-001	8	4001EA		\Locations\NMAH\National Museum of American History\Fourth Floor\4001EA	PACM	Fire door	West wall to 4001E (1 @ 3' x 7')	Good	4000	AMA 2009		
031-001	8	4001EB		\Locations\NMAH\National Museum of American History\Fourth Floor\4001EB	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (180 SF)	Good	4000	Hygienetics 1989		Under carpet
031-001	8	4001EB		\Locations\NMAH\National Museum of American History\Fourth Floor\4001EB	PACM	Fire door	East wall to 4001EA (1 @ 3' x 7')	Good	4000	AMA 2009		
031-001	8	4001F	NUMISMATICS	\Locations\NMAH\National Museum of American History\Fourth Floor\4001F	ACM	Black cement sink top	Throughout (60 SF)	Good	4000	Hygienetics 1989		
031-001	8	4001F	NUMISMATICS	\Locations\NMAH\National Museum of American History\Fourth Floor\4001F	PACM	Fire door	East wall to 4001FB (1 @ 3' x 7')	Good	4000	AMA 2009		
031-001	8	4001FA		\Locations\NMAH\National Museum of American History\Fourth Floor\4001FA								
031-001	8	4001FB		\Locations\NMAH\National Museum of American History\Fourth Floor\4001FB	PACM	Fire door	East wall to 4001FC (1 @ 3' x 7') and South wall to 4001FA (1 @ 3' x 7')	Good	4000	AMA 2009		
031-001	8	4001FC		\Locations\NMAH\National Museum of American History\Fourth Floor\4001FC	PACM	Fire door	North wall to 4000C3 (1 @ 3' x 7')	Good	4000	AMA 2009		
031-001	8	4003		\Locations\NMAH\National Museum of American History\Fourth Floor\4003	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (190 SF)	Good	4003	Hygienetics 1989		
031-001	8	4003		\Locations\NMAH\National Museum of American History\Fourth Floor\4003	PACM	Fire door	South wall to 4000C3 (1 @ 3' x 7') and East wall to 4004 (1 @ 3' x 7')	Good	4003	AMA 2009		
031-001	8	4004		\Locations\NMAH\National Museum of American History\Fourth Floor\4004	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (190 SF)	Good	4004	Hygienetics 1989		
031-001	8	4004		\Locations\NMAH\National Museum of American History\Fourth Floor\4004	PACM	Fire door	South wall to 4000C3 (1 @ 3' x 7') and East wall to 4004A (1 @ 3' x 7')	Good	4004	AMA 2009		
031-001	8	4004A		\Locations\NMAH\National Museum of American History\Fourth Floor\4004A	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (190 SF)	Good	4004A	Hygienetics 1989		
031-001	8	4004A		\Locations\NMAH\National Museum of American History\Fourth Floor\4004A	PACM	Fire door	South wall to 4000C3 (1 @ 3' x 7') and East wall to 4006 (1 @ 3' x 7')	Good	4004A	AMA 2009		
031-001	8	4005	BIO. COLL. STORAGE	\Locations\NMAH\National Museum of American History\Fourth Floor\4005	PACM	Fire door	North wall to 4000C3 (1 @ 3' x 7')	Good	4005	AMA 2009		
031-001	8	4005A	ARMED FORCES	\Locations\NMAH\National Museum of American History\Fourth Floor\4005A	PACM	Fire door	North wall to 4000C3 (1 @ 3' x 7')	Good	4005	AMA 2009		
031-001	8	4006		\Locations\NMAH\National Museum of American History\Fourth Floor\4006	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (190 SF)	Good	4006	Hygienetics 1989		
031-001	8	4006		\Locations\NMAH\National Museum of American History\Fourth Floor\4006	PACM	Fire door	South wall to 4000C3 (1 @ 3' x 7') and East wall to 4006A (1 @ 3' x 7')	Good	4006	AMA 2009		
031-001	8	4006A		\Locations\NMAH\National Museum of American History\Fourth Floor\4006A	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (190 SF)	Good	4006A	Hygienetics 1989		
031-001	8	4006A		\Locations\NMAH\National Museum of American History\Fourth Floor\4006A	PACM	Fire door	South wall to 4000C3 (1 @ 3' x 7')	Good	4006A	AMA 2009		
031-001	8	4007	ARMED FORCES	\Locations\NMAH\National Museum of American History\Fourth Floor\4007	PACM	Fire door	North wall to 4000C3 (1 @ 3' x 7')	Good	4007	AMA 2009		
031-001	8	4008	OFFICE OF DESIGN	\Locations\NMAH\National Museum of American History\Fourth Floor\4008	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (270 SF)	Good	4008	Hygienetics 1989		
031-001	8	4008	OFFICE OF DESIGN	\Locations\NMAH\National Museum of American History\Fourth Floor\4008	PACM	Fire door	South wall to 4000C3 (1 @ 3' x 7')	Good	4008	AMA 2009		
031-001	8	4009		\Locations\NMAH\National Museum of American History\Fourth Floor\4009	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (190 SF)	Good	4009	Hygienetics 1989		
031-001	8	4009		\Locations\NMAH\National Museum of American History\Fourth Floor\4009	PACM	Fire door	South wall to 4000C3 (1 @ 3' x 7') and East wall to 4011 (1 @ 3' x 7')	Good	4009	AMA 2009		
031-001	8	4010	TELECOMMUNICATION SERVICE	\Locations\NMAH\National Museum of American History\Fourth Floor\4010	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (352 SF)	Good	Telephone	Hygienetics 1989		
031-001	8	4010	TELECOMMUNICATION SERVICE	\Locations\NMAH\National Museum of American History\Fourth Floor\4010	PACM	Fire door	North wall to 4010 (1 @ 3' x 7'), East wall to 4010B (1 @ 3' x 7'), and West wall to 4010A (1 @ 3' x 7')	Good	Telephone	AMA 2009		
031-001	8	4010	TELECOMMUNICATION SERVICE	\Locations\NMAH\National Museum of American History\Fourth Floor\4010	ACM	Drywall joint compound	West wall (160 SF)	Good	Telephone	AMA 2009	To Be Determined	
031-001	8	4010A		\Locations\NMAH\National Museum of American History\Fourth Floor\4010A	ACM	Drywall joint compound	East wall (160 SF)	Good	Telephone	AMA 2009	To Be Determined	
031-001	8	4010AA		\Locations\NMAH\National Museum of American History\Fourth Floor\4010AA								
031-001	8	4010B		\Locations\NMAH\National Museum of American History\Fourth Floor\4010B	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (100 SF)	Good	Telephone	Hygienetics 1989		
031-001	8	4010BA		\Locations\NMAH\National Museum of American History\Fourth Floor\4010BA	PACM	Fire door	North wall to 4010B (1 @ 3' x 7')	Good	Telephone	AMA 2009		
031-001	8	4011		\Locations\NMAH\National Museum of American History\Fourth Floor\4011	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (190 SF)	Good	4011	Hygienetics 1989		
031-001	8	4011		\Locations\NMAH\National Museum of American History\Fourth Floor\4011	PACM	Fire door	South wall to 4000C3 (1 @ 3' x 7') and East wall to 4012 (1 @ 3' x 7')	Good	4011	AMA 2009		
031-001	8	4012		\Locations\NMAH\National Museum of American History\Fourth Floor\4012	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (270 SF)	Good	4012	Hygienetics 1989		Under carpet
031-001	8	4012		\Locations\NMAH\National Museum of American History\Fourth Floor\4012	PACM	Fire door	South wall to 4000C3 (2 @ 3' x 7') and East wall to 4013 (1 @ 3' x 7')	Good	4012	AMA 2009		
031-001	8	4013		\Locations\NMAH\National Museum of American History\Fourth Floor\4013	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (190 SF)	Good	4013	Hygienetics 1989		Under carpet
031-001	8	4013		\Locations\NMAH\National Museum of American History\Fourth Floor\4013	PACM	Fire door	South wall to 4000C3 (1 @ 3' x 7') and East wall to 4014 (1 @ 3' x 7')	Good	4013	AMA 2009		
031-001	8	4014		\Locations\NMAH\National Museum of American History\Fourth Floor\4014	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (190 SF)	Good	4014	Hygienetics 1989		Under carpet
031-001	8	4014		\Locations\NMAH\National Museum of American History\Fourth Floor\4014	PACM	Fire door	South wall to 4000C3 (1 @ 3' x 7') and East wall to 4015 (1 @ 3' x 7')	Good	4014	AMA 2009		

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BUILDING CODE	LEVEL	ROOM ID	ROOM DESCRIPTION	FULLLOCPATH	ACM / PACM?	MATERIAL TYPE	MATERIAL LOCATION	CONDITION	REFERENCE ID	REFERENCE SOURCE	NEW SAMPLE RESULTS	NOTES
031-001	8	4015		\Locations\NMAH\National Museum of American History\Fourth Floor\4015	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (270 SF)	Good	4015	Hygienetics 1989		Under carpet
031-001	8	4015		\Locations\NMAH\National Museum of American History\Fourth Floor\4015	PACM	Fire door	South wall to 4000C3 (2 @ 3' x 7') and East wall to 4016 (1 @ 3' x 7')	Good	4015	AMA 2009		
031-001	8	4016		\Locations\NMAH\National Museum of American History\Fourth Floor\4016	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (190 SF)	Good	4016	Hygienetics 1989		
031-001	8	4016		\Locations\NMAH\National Museum of American History\Fourth Floor\4016	PACM	Fire door	South wall to 400C3 (1 @ 3' x 7') and East wall to 4018 (1 @ 3' x 7')	Good	4016	AMA 2009		
031-001	8	4017	ARMED FORCES	\Locations\NMAH\National Museum of American History\Fourth Floor\4017	PACM	Fire door	North wall to 4000C3 (2 @ 3' x 7')	Good	4017	AMA 2009		
031-001	8	4018		\Locations\NMAH\National Museum of American History\Fourth Floor\4018	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (190 SF)	Good	4018	Hygienetics 1989		
031-001	8	4018		\Locations\NMAH\National Museum of American History\Fourth Floor\4018	PACM	Fire door	South wall to 4000C3 (1 @ 3' x 7') and East wall to 4019 (1 @ 3' x 7')	Good	4018	AMA 2009		
031-001	8	4019		\Locations\NMAH\National Museum of American History\Fourth Floor\4019	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (160 SF)	Good	4019	Hygienetics 1989		
031-001	8	4019		\Locations\NMAH\National Museum of American History\Fourth Floor\4019	PACM	Fire door	South wall to 4000C3 (1 @ 3' x 7')	Good	4019	AMA 2009		
031-001	8	4019A		\Locations\NMAH\National Museum of American History\Fourth Floor\4019A	ACM	Drywall joint compound	West wall (100 SF)	Good	4019	AMA 2009	To Be Determined	
031-001	8	4019A		\Locations\NMAH\National Museum of American History\Fourth Floor\4019A	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (160 SF)	Good	4019	Hygienetics 1989		
031-001	8	4019A		\Locations\NMAH\National Museum of American History\Fourth Floor\4019A	PACM	Fire door	South wall to 4000C3 (2 @ 3' x 7') and East wall to 4020 (1 @ 3' x 7')	Good	4019	AMA 2009		
031-001	8	4020		\Locations\NMAH\National Museum of American History\Fourth Floor\4020	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (190 SF)	Good	4020	Hygienetics 1989		
031-001	8	4020		\Locations\NMAH\National Museum of American History\Fourth Floor\4020	PACM	Fire door	South wall to 4000C3 (1 @ 3' x 7') and East wall to 4021 (1 @ 3' x 7')	Good	4020	AMA 2009		
031-001	8	4021		\Locations\NMAH\National Museum of American History\Fourth Floor\4021	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (190 SF)	Good	4021	Hygienetics 1989		
031-001	8	4021		\Locations\NMAH\National Museum of American History\Fourth Floor\4021	PACM	Fire door	South wall to 4000C3 (1 @ 3' x 7') and East wall to 4022 (1 @ 3' x 7')	Good	4021	AMA 2009		
031-001	8	4022		\Locations\NMAH\National Museum of American History\Fourth Floor\4022	ACM	Drywall joint compound	East wall (100 SF)	Good	4022	AMA 2009	To Be Determined	
031-001	8	4022		\Locations\NMAH\National Museum of American History\Fourth Floor\4022	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (160 SF)	Good	4022	Hygienetics 1989		
031-001	8	4022		\Locations\NMAH\National Museum of American History\Fourth Floor\4022	PACM	Fire door	South wall to 4000C3 (1 @ 3' x 7')	Good	4022	AMA 2009		
031-001	8	4023		\Locations\NMAH\National Museum of American History\Fourth Floor\4023	PACM	Fire door	East wall to 4000C4 (2 @ 3' x 7') and North wall to 4000C3 (1 @ 3' x 7')	Good	4023	AMA 2009		
031-001	8	4024		\Locations\NMAH\National Museum of American History\Fourth Floor\4024	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (190 SF)	Good	4024	Hygienetics 1989		
031-001	8	4024		\Locations\NMAH\National Museum of American History\Fourth Floor\4024	PACM	Fire door	South wall to 4000C3 (1 @ 3' x 7') and East wall to 4025 (1 @ 3' x 7')	Good	4024	AMA 2009		
031-001	8	4024A		\Locations\NMAH\National Museum of American History\Fourth Floor\4024A	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (120 SF)	Good	4022	Hygienetics 1989		
031-001	8	4024A		\Locations\NMAH\National Museum of American History\Fourth Floor\4024A	PACM	Fire door	East wall to 4024 (1 @ 3' x 7')	Good	4022	AMA 2009		
031-001	8	4025		\Locations\NMAH\National Museum of American History\Fourth Floor\4025	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (190 SF)	Good	4025	Hygienetics 1989		
031-001	8	4025		\Locations\NMAH\National Museum of American History\Fourth Floor\4025	PACM	Fire door	South wall to 4000C3 (1 @ 3' x 7') and East wall to 4026 (1 @ 3' x 7')	Good	4025	AMA 2009		
031-001	8	4026		\Locations\NMAH\National Museum of American History\Fourth Floor\4026	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (270 SF)	Good	4026	Hygienetics 1989		
031-001	8	4026		\Locations\NMAH\National Museum of American History\Fourth Floor\4026	PACM	Fire door	South wall to 4000C3 (2 @ 3' x 7')	Good	4026	AMA 2009		
031-001	8	4027		\Locations\NMAH\National Museum of American History\Fourth Floor\4027	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (216 SF)	Good	4027	Hygienetics 1989		
031-001	8	4027		\Locations\NMAH\National Museum of American History\Fourth Floor\4027	PACM	Fire door	South wall to 4000C3 (1 @ 3' x 7') and East wall to 4027A (1 @ 3' x 7')	Good	4027	AMA 2009		
031-001	8	4027A		\Locations\NMAH\National Museum of American History\Fourth Floor\4027A	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (220 SF)	Good	4027	Hygienetics 1989		
031-001	8	4027A		\Locations\NMAH\National Museum of American History\Fourth Floor\4027A	PACM	Fire door	South wall to 4601 (1 @ 3' x 7')	Good	4027	AMA 2009		
031-001	8	4100		\Locations\NMAH\National Museum of American History\Fourth Floor\4100	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (216 SF)	Good	4100	Hygienetics 1989		Under carpet
031-001	8	4100		\Locations\NMAH\National Museum of American History\Fourth Floor\4100	PACM	Fire door	North wall to 4000C6 (1 @ 3' x 7') and West wall to 4100A (1 @ 3' x 7')	Good	4100	AMA 2009		
031-001	8	4100A		\Locations\NMAH\National Museum of American History\Fourth Floor\4100A	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (300 SF)	Good	4112A	Hygienetics 1989		Under carpet
031-001	8	4100A		\Locations\NMAH\National Museum of American History\Fourth Floor\4100A	PACM	Fire door	North wall to 4213 (1 @ 3' x 7')	Good	4112A	AMA 2009		
031-001	8	4100B		\Locations\NMAH\National Museum of American History\Fourth Floor\4100B	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (150 SF)	Good	4101	Hygienetics 1989		Under carpet
031-001	8	4101		\Locations\NMAH\National Museum of American History\Fourth Floor\4101	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (165 SF)	Good	4101A	Hygienetics 1989		Under carpet
031-001	8	4101		\Locations\NMAH\National Museum of American History\Fourth Floor\4101	PACM	Fire door	North wall to 4000C6 (2 @ 3' x 7')	Good	4101A	AMA 2009		
031-001	8	4102		\Locations\NMAH\National Museum of American History\Fourth Floor\4102	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (190 SF)	Good	4102	Hygienetics 1989		Under carpet
031-001	8	4102		\Locations\NMAH\National Museum of American History\Fourth Floor\4102	PACM	Fire door	North wall to 4000C6 (1 @ 3' x 7') and West wall to 4101 (1 @ 3' x 7')	Good	4102	AMA 2009		
031-001	8	4103		\Locations\NMAH\National Museum of American History\Fourth Floor\4103	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (190 SF)	Good	4103	Hygienetics 1989		Under carpet
031-001	8	4103		\Locations\NMAH\National Museum of American History\Fourth Floor\4103	PACM	Fire door	North wall to 4000C6 (1 @ 3' x 7') and West wall to 4102 (1 @ 3' x 7')	Good	4103	AMA 2009		
031-001	8	4104		\Locations\NMAH\National Museum of American History\Fourth Floor\4104	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (270 SF)	Good	4104	Hygienetics 1989		Under carpet
031-001	8	4104		\Locations\NMAH\National Museum of American History\Fourth Floor\4104	PACM	Fire door	North wall to 4000C6 (2 @ 3' x 7') and West wall to 4103 (1 @ 3' x 7')	Good	4104	AMA 2009		
031-001	8	4105		\Locations\NMAH\National Museum of American History\Fourth Floor\4105	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (190 SF)	Good	4105	Hygienetics 1989		Under carpet
031-001	8	4105		\Locations\NMAH\National Museum of American History\Fourth Floor\4105	PACM	Fire door	North wall to 4000C6 (1 @ 3' x 7') and West wall to 4104 (1 @ 3' x 7')	Good	4105	AMA 2009		
031-001	8	4106		\Locations\NMAH\National Museum of American History\Fourth Floor\4106	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (190 SF)	Good	4106	Hygienetics 1989		Under carpet
031-001	8	4106		\Locations\NMAH\National Museum of American History\Fourth Floor\4106	PACM	Fire door	West wall to 4105 (1 @ 3' x 7')	Good	4106	AMA 2009		
031-001	8	4107	POLITICAL LIFE	\Locations\NMAH\National Museum of American History\Fourth Floor\4107	PACM	Fire door	South wall to 4000C6 (2 @ 3' x 7') and West wall to 4000C7 (2 @ 3' x 7')	Good	4107	AMA 2009		
031-001	8	4107	POLITICAL LIFE	\Locations\NMAH\National Museum of American History\Fourth Floor\4107	ACM	Drywall joint compound	North wall (1,000 SF)	Good	4107	AMA 2009	To Be Determined	
031-001	8	4107A	POLITICAL LIFE	\Locations\NMAH\National Museum of American History\Fourth Floor\4107A	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (400 SF)	Good	4107	Hygienetics 1989		Under 12'x12'
031-001	8	4107A	POLITICAL LIFE	\Locations\NMAH\National Museum of American History\Fourth Floor\4107A	ACM	Drywall joint compound	North wall (500 SF)	Good	4107	AMA 2009	To Be Determined	
031-001	8	4108		\Locations\NMAH\National Museum of American History\Fourth Floor\4108	ACM	Drywall joint compound	West wall (110 SF)	Good	4108C	AMA 2009	To Be Determined	
031-001	8	4108		\Locations\NMAH\National Museum of American History\Fourth Floor\4108	PACM	Fire door	North wall to 4000C6 (2 @ 3' x 7') and West wall to 4108A (1 @ 3' x 7')	Good	4108C	AMA 2009		
031-001	8	4108A		\Locations\NMAH\National Museum of American History\Fourth Floor\4108A	ACM	Drywall joint compound	East wall (110 SF)	Good	4108	AMA 2009	To Be Determined	
031-001	8	4108A		\Locations\NMAH\National Museum of American History\Fourth Floor\4108A	PACM	Fire door	West wall to 4106 (1 @ 3 ' x 7')	Good	4108	AMA 2009		
031-001	8	4109		\Locations\NMAH\National Museum of American History\Fourth Floor\4109	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (190 SF)	Good	4109	Hygienetics 1989		Under carpet
031-001	8	4109		\Locations\NMAH\National Museum of American History\Fourth Floor\4109	PACM	Fire door	North wall to 4000C5 (1 @ 3' x 7') and West wall to 4108 (1 @ 3' x 7')	Good	4109	AMA 2009		
031-001	8	4110	DOMESTIC LIFE	\Locations\NMAH\National Museum of American History\Fourth Floor\4110	PACM	Fire door	South wall to 4000C6 (2 @ 3' x 7')	Good	4110	AMA 2009		
031-001	8	4110	DOMESTIC LIFE	\Locations\NMAH\National Museum of American History\Fourth Floor\4110	ACM	Drywall joint compound	North wall (200 SF)	Good	4115	AMA 2009	To Be Determined	
031-001	8	4110	DOMESTIC LIFE	\Locations\NMAH\National Museum of American History\Fourth Floor\4110	ACM	Brown duct pin mastic	Throughout (80 SF)	Good	4115	N/A		
031-001	8	4111		\Locations\NMAH\National Museum of American History\Fourth Floor\4111	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (190 SF)	Good	4111	Hygienetics 1989		Under carpet
031-001	8	4111		\Locations\NMAH\National Museum of American History\Fourth Floor\4111	PACM	Fire door	North wall to 4000C5 (1 @ 3' x 7') and West wall to 4009 (1 @ 3' x 7')	Good	4111	AMA 2009		
031-001	8	4112		\Locations\NMAH\National Museum of American History\Fourth Floor\4112	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (270 SF)	Good	4112	Hygienetics 1989		Under carpet
031-001	8	4112		\Locations\NMAH\National Museum of American History\Fourth Floor\4112	PACM	Fire door	North wall to 4000C5 (1 @ 3' x 7')	Good	4112	AMA 2009		
031-001	8	4113		\Locations\NMAH\National Museum of American History\Fourth Floor\4113	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (190 SF)	Good	4113	Hygienetics 1989		Under carpet
031-001	8	4113		\Locations\NMAH\National Museum of American History\Fourth Floor\4113	PACM	Fire door	North wall to 4000C5 (1 @ 3' x 7') and West wall to 4112 (1 @ 3' x 7')	Good	4113	AMA 2009		
031-001	8	4114		\Locations\NMAH\National Museum of American History\Fourth Floor\4114	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (190 SF)	Good	4114	Hygienetics 1989		Under carpet
031-001	8	4114		\Locations\NMAH\National Museum of American History\Fourth Floor\4114	PACM	Fire door	North wall to 4000C5 (1 @ 3' x 7') and West wall to 4113 (1 @ 3' x 7')	Good	4114	AMA 2009		
031-001	8	4115	DOMESTIC LIFE	\Locations\NMAH\National Museum of American History\Fourth Floor\4115	ACM	Drywall joint compound	North wall (1550 SF)	Good	4115	AMA 2009	To Be Determined	
031-001	8	4115	DOMESTIC LIFE	\Locations\NMAH\National Museum of American History\Fourth Floor\4115	PACM	Fire door	South wall to 4000C6 (1 @ 3' x 7'), West wall to 4000C8 (3 @ 3' x 7') and East wall to 4000C9 (3 @ 3' x 7')	Good	4115	AMA 2009		
031-001	8	4116		\Locations\NMAH\National Museum of American History\Fourth Floor\4116	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (360 SF)	Good	4116	Hygienetics 1989		Under carpet
031-001	8	4116		\Locations\NMAH\National Museum of American History\Fourth Floor\4116	PACM	Fire door	North wall to 4000C5 (2 @ 3' x 7') and West wall to 4114 (1 @ 3' x 7')	Good	4116	AMA 2009		
031-001	8	4117		\Locations\NMAH\National Museum of American History\Fourth Floor\4117	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (190 SF)	Good	4117	Hygienetics 1989		Under carpet
031-001	8	4117		\Locations\NMAH\National Museum of American History\Fourth Floor\4117	PACM	Fire door	North wall to 4000C5 (1 @ 3' x 7') and West wall to 4116 (1 @ 3' x 7')	Good	4117	AMA 2009		
031-001	8	4118		\Locations\NMAH\National Museum of American History\Fourth Floor\4118	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (190 SF)	Good	4118	Hygienetics 1989		Under carpet
031-001	8	4118		\Locations\NMAH\National Museum of American History\Fourth Floor\4118	PACM	Fire door	North wall to 4000C5 (1 @ 3' x 7') and West wall to 4117 (1 @ 3' x 7')	Good	4118	AMA 2009		
031-001	8	4119	MUSIC INSTRUMENTS HISTORY	\Locations\NMAH\National Museum of American History\Fourth Floor\4119	PACM	Fire door	South wall to 4000C5 (4 @ 3' x 7')	Good	4119	AMA 2009		
031-001	8	4119	MUSIC INSTRUMENTS HISTORY	\Locations\NMAH\National Museum of American History\Fourth Floor\4119	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (2520 SF)	Good	4119	Hygienetics 1989		White with black streaks
031-001	8	4119	MUSIC INSTRUMENTS HISTORY	\Locations\NMAH\National Museum of American History\Fourth Floor\4119	ACM	Drywall joint compound	North wall (240 SF)	Good	4119	AMA 2009	To Be Determined	
031-001	8	4120A		\Locations\NMAH\National Museum of American History\Fourth Floor\4120A	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (150 SF)	Good	4120	Hygienetics 1989		Under carpet
031-001	8	4120A		\Locations\NMAH\National Museum of American History\Fourth Floor\4120A	PACM	Fire door	North wall to 4000C5 (1 @ 3' x 7') and West wall to 4118 (1 @ 3' x 7')	Good	4120	AMA 2009		

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BUILDING CODE	LEVEL	ROOM ID	ROOM DESCRIPTION	FULLLOCPATH	ACM / PACM?	MATERIAL TYPE	MATERIAL LOCATION	CONDITION	REFERENCE ID	REFERENCE SOURCE	NEW SAMPLE RESULTS	NOTES
031-001	8	4120B		\Locations\NMAH\National Museum of American History\Fourth Floor\4120B	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (150 SF)	Good	4120A	Hygienetics 1989		Under carpet
031-001	8	4120B		\Locations\NMAH\National Museum of American History\Fourth Floor\4120B	PACM	Fire door	North wall to 4000C5 (1 @ 3' x 7') and West wall to 4120A (1 @ 3' x 7')	Good	4120A	AMA 2009		
031-001	8	4121		\Locations\NMAH\National Museum of American History\Fourth Floor\4121	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (190 SF)	Good	4121	Hygienetics 1989		Under carpet
031-001	8	4121		\Locations\NMAH\National Museum of American History\Fourth Floor\4121	PACM	Fire door	North wall to 4000C5 (1 @ 3' x 7') and West wall to 4120B (1 @ 3' x 7')	Good	4121	AMA 2009		
031-001	8	4122		\Locations\NMAH\National Museum of American History\Fourth Floor\4122	PACM	Fire door	North wall to 4000C5 (1 @ 3' x 7') and West wall to 4121 (1 @ 3' x 7')	Good	4122	AMA 2009		
031-001	8	4123		\Locations\NMAH\National Museum of American History\Fourth Floor\4123	ACM	Drywall joint compound	East wall (100 SF)	Good	4123	AMA 2009	To Be Determined	
031-001	8	4123		\Locations\NMAH\National Museum of American History\Fourth Floor\4123	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (240 SF)	Good	4123	Hygienetics 1989		Under carpet
031-001	8	4123		\Locations\NMAH\National Museum of American History\Fourth Floor\4123	PACM	Fire door	North wall to 4000C5 (2 @ 3' x 7')	Good	4123	AMA 2009		
031-001	8	4123A		\Locations\NMAH\National Museum of American History\Fourth Floor\4123A	ACM	Drywall joint compound	West wall (100 SF)	Good	4123A	AMA 2009	To Be Determined	
031-001	8	4123A		\Locations\NMAH\National Museum of American History\Fourth Floor\4123A	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (130 SF)	Good	4123A	Hygienetics 1989		Under carpet
031-001	8	4123A		\Locations\NMAH\National Museum of American History\Fourth Floor\4123A	PACM	Fire door	West wall to 4123 (1 @ 3' x 7')	Good	4123A	AMA 2009		
031-001	8	4124		\Locations\NMAH\National Museum of American History\Fourth Floor\4124	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (190 SF)	Good	4124	Hygienetics 1989		Under carpet
031-001	8	4124		\Locations\NMAH\National Museum of American History\Fourth Floor\4124	PACM	Fire door	North wall to 4000C5 (1 @ 3' x 7')	Good	4124	AMA 2009		
031-001	8	4125		\Locations\NMAH\National Museum of American History\Fourth Floor\4125	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (190 SF)	Good	4125	Hygienetics 1989		Under carpet
031-001	8	4125		\Locations\NMAH\National Museum of American History\Fourth Floor\4125	PACM	Fire door	North wall to 4000C5 (1 @ 3' x 7')	Good	4125	AMA 2009		
031-001	8	4126		\Locations\NMAH\National Museum of American History\Fourth Floor\4126	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (130 SF)	Good	4126	Hygienetics 1989		Under carpet
031-001	8	4126		\Locations\NMAH\National Museum of American History\Fourth Floor\4126	PACM	Fire door	North wall to 4000C5 (1 @ 3' x 7') and West wall to 4125 (1 @ 3' x 7')	Good	4126	AMA 2009		
031-001	8	4126A		\Locations\NMAH\National Museum of American History\Fourth Floor\4126A	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (130 SF)	Good	4126A	Hygienetics 1989		Under carpet
031-001	8	4126A		\Locations\NMAH\National Museum of American History\Fourth Floor\4126A	PACM	Fire door	North wall to 4000C5 (1 @ 3' x 7')	Good	4126A	AMA 2009		
031-001	8	4127	DOMESTIC LIFE	\Locations\NMAH\National Museum of American History\Fourth Floor\4127	PACM	Fire door	South wall to 4000C5 (2 @ 3' x 7') and East wall to 4608 (1 @ 3' x 7')	Good	4127	AMA 2009		
031-001	8	4127M		\Locations\NMAH\National Museum of American History\Fourth Floor\4127M								
031-001	8	4128		\Locations\NMAH\National Museum of American History\Fourth Floor\4128	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (190 SF)	Good	4128	Hygienetics 1989		Under carpet
031-001	8	4128		\Locations\NMAH\National Museum of American History\Fourth Floor\4128	PACM	Fire door	North wall to 4000C5 (1 @ 3' x 7')	Good	4128	AMA 2009		
031-001	8	4129		\Locations\NMAH\National Museum of American History\Fourth Floor\4129	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (190 SF)	Good	4129	Hygienetics 1989		Under carpet
031-001	8	4129		\Locations\NMAH\National Museum of American History\Fourth Floor\4129	PACM	Fire door	North wall to 4000C5 (1 @ 3' x 7') and West wall to 4128 (1 @ 3' x 7')	Good	4129	AMA 2009		
031-001	8	4130	TEXTILE COLLECTION	\Locations\NMAH\National Museum of American History\Fourth Floor\4130	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (260 SF)	Good	4130	Hygienetics 1989		Under carpet
031-001	8	4130	TEXTILE COLLECTION	\Locations\NMAH\National Museum of American History\Fourth Floor\4130	PACM	Fire door	North wall to 4000C5 (1 @ 3' x 7') and West wall to 4129 (1 @ 3' x 7')	Good	4130	Hygienetics 1989		
031-001	8	4131		\Locations\NMAH\National Museum of American History\Fourth Floor\4131	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (44 SF)	Good	4131	Hygienetics 1989		Under carpet
031-001	8	4131		\Locations\NMAH\National Museum of American History\Fourth Floor\4131	ACM	Drywall joint compound	South wall (88 SF)	Good	4131	AMA 2009	To Be Determined	
031-001	8	4131		\Locations\NMAH\National Museum of American History\Fourth Floor\4131	PACM	Fire door	North wall to 4000C5 (1 @ 3' x 7') and West wall to 4130 (1 @ 3' x 7')	Good	4131	AMA 2009		
031-001	8	4131A		\Locations\NMAH\National Museum of American History\Fourth Floor\4131A	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (100 SF)	Good	4131A	Hygienetics 1989		
031-001	8	4131A		\Locations\NMAH\National Museum of American History\Fourth Floor\4131A	ACM	Drywall joint compound	North wall (88 SF)	Good	4131A	AMA 2009	To Be Determined	
031-001	8	4131A		\Locations\NMAH\National Museum of American History\Fourth Floor\4131A	PACM	Fire door	North wall to 4131 (1 @ 3' x 7')	Good	4131	AMA 2009		
031-001	8	4132		\Locations\NMAH\National Museum of American History\Fourth Floor\4132	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (230 SF)	Good	4132	Hygienetics 1989		
031-001	8	4132		\Locations\NMAH\National Museum of American History\Fourth Floor\4132	PACM	Fire door	West wall to 4131 (1 @ 3' x 7')	Good	4132	AMA 2009		
031-001	8	4133		\Locations\NMAH\National Museum of American History\Fourth Floor\4133	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (100 SF)	Good	4131B	Hygienetics 1989		
031-001	8	4133		\Locations\NMAH\National Museum of American History\Fourth Floor\4133	PACM	Fire door	West wall to 4131A (1 @ 3' x 7')	Good	4131B	AMA 2009		
031-001	8	4200		\Locations\NMAH\National Museum of American History\Fourth Floor\4200	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (288 SF)	Good	4200	Hygienetics 1989		Under carpet
031-001	8	4200		\Locations\NMAH\National Museum of American History\Fourth Floor\4200	PACM	Fire door	East wall to 4000C1 (1 @ 3' x 7')	Good	4201	AMA 2009		
031-001	8	4201	COSTUMES	\Locations\NMAH\National Museum of American History\Fourth Floor\4201	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (336 SF)	Good	4201	Hygienetics 1989		
031-001	8	4201A		\Locations\NMAH\National Museum of American History\Fourth Floor\4201A	PACM	Fire door	East wall to 4000C1 (1 @ 3' x 7')	Good	4210A / 4210B	AMA 2009		
031-001	8	4201B		\Locations\NMAH\National Museum of American History\Fourth Floor\4201B								
031-001	8	4201M		\Locations\NMAH\National Museum of American History\Fourth Floor\4201M								
031-001	8	4202		\Locations\NMAH\National Museum of American History\Fourth Floor\4202	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (312 SF)	Good	4202	Hygienetics 1989		Under carpet
031-001	8	4202		\Locations\NMAH\National Museum of American History\Fourth Floor\4202	PACM	Fire door	East wall to 4000C1 (1 @ 3' x 7') and North wall to 4200 (1 @ 3' x 7')	Good	4202	AMA 2009		
031-001	8	4204		\Locations\NMAH\National Museum of American History\Fourth Floor\4204	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (312 SF)	Good	4204	Hygienetics 1989		Under carpet
031-001	8	4204		\Locations\NMAH\National Museum of American History\Fourth Floor\4204	PACM	Fire door	East wall to 4000C1 (1 @ 3' x 7') and North wall to 4202 (1 @ 3' x 7')	Good	4204	AMA 2009		
031-001	8	4204M		\Locations\NMAH\National Museum of American History\Fourth Floor\4204M								
031-001	8	4206A	WEST CONFERENCE ROOM	\Locations\NMAH\National Museum of American History\Fourth Floor\4206A	ACM	Drywall joint compound	Throughout (330 SF)	Good	West Conference	AMA 2009	To Be Determined	New
031-001	8	4206A	WEST CONFERENCE ROOM	\Locations\NMAH\National Museum of American History\Fourth Floor\4206A	PACM	Fire door	East wall to 4000C1 (1 @ 3' x 7')	Good	West Conference	AMA 2009		
031-001	8	4206B	WEST CONFERENCE ROOM	\Locations\NMAH\National Museum of American History\Fourth Floor\4206B	ACM	Drywall joint compound	Throughout (330 SF)	Good	West Conference	AMA 2009	To Be Determined	New
031-001	8	4206B	WEST CONFERENCE ROOM	\Locations\NMAH\National Museum of American History\Fourth Floor\4206B	PACM	Fire door	East wall to 4000C1 (1 @ 3' x 7')	Good	West Conference	AMA 2009		
031-001	8	4207	COSTUME COLLECTION	\Locations\NMAH\National Museum of American History\Fourth Floor\4207	PACM	Fire door	East wall to 4000C7 (2 @ 3' x 7') and West wall to 4000C1 (1 @ 3' x 7')	Good	4308	AMA 2009		
031-001	8	4207	COSTUME COLLECTION	\Locations\NMAH\National Museum of American History\Fourth Floor\4207	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (2208 SF)	Good	4119	Hygienetics 1989		White with black streaks
031-001	8	4207	COSTUME COLLECTION	\Locations\NMAH\National Museum of American History\Fourth Floor\4207	ACM	Drywall joint compound	East wall (900 SF)	Good	4210	AMA 2009	To Be Determined	
031-001	8	4207M		\Locations\NMAH\National Museum of American History\Fourth Floor\4207M								
031-001	8	4208		\Locations\NMAH\National Museum of American History\Fourth Floor\4208	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (312 SF)	Good	4208	Hygienetics 1989		Under carpet
031-001	8	4208		\Locations\NMAH\National Museum of American History\Fourth Floor\4208	PACM	Fire door	East wall to 4000C1 (1 @ 3' x 7') and South wall to 4210 (1 @ 3' x 7')	Good	4208	AMA 2009		
031-001	8	4210		\Locations\NMAH\National Museum of American History\Fourth Floor\4210	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (160 SF)	Good	4200	Hygienetics 1989		Under carpet
031-001	8	4210		\Locations\NMAH\National Museum of American History\Fourth Floor\4210	ACM	Drywall joint compound	West wall (160 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	8	4210A		\Locations\NMAH\National Museum of American History\Fourth Floor\4210A	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (180 SF)	Good	4210A	Hygienetics 1989		Under carpet
031-001	8	4210B		\Locations\NMAH\National Museum of American History\Fourth Floor\4210B	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (256 SF)	Good	4200	Hygienetics 1989		Under carpet
031-001	8	4210B		\Locations\NMAH\National Museum of American History\Fourth Floor\4210B	ACM	Drywall joint compound	East wall (160 SF)	Good	4210	AMA 2009	To Be Determined	
031-001	8	4210B		\Locations\NMAH\National Museum of American History\Fourth Floor\4210B	PACM	Fire door	East wall to 4210 (1 @ 3' x 7')	Good	4210A / 4210B	AMA 2009		
031-001	8	4211		\Locations\NMAH\National Museum of American History\Fourth Floor\4211	ACM	Drywall joint compound	North and West walls (500 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	8	4211		\Locations\NMAH\National Museum of American History\Fourth Floor\4211	ACM	Brown duct pin mastic	Throughout (160 SF)	Good	N/A	N/A		
031-001	8	4211		\Locations\NMAH\National Museum of American History\Fourth Floor\4211	PACM	Fire door	West wall to 4000C1 (2 @ 3' x 7') and East wall to 4207 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	8	4211A		\Locations\NMAH\National Museum of American History\Fourth Floor\4211A								
031-001	8	4212		\Locations\NMAH\National Museum of American History\Fourth Floor\4212	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (400 SF)	Good	4200	Hygienetics 1989		Under carpet
031-001	8	4212		\Locations\NMAH\National Museum of American History\Fourth Floor\4212	ACM	Drywall joint compound	East wall (300 SF)	Good	4210	AMA 2009	To Be Determined	
031-001	8	4212		\Locations\NMAH\National Museum of American History\Fourth Floor\4212	PACM	Fire door	East wall to 4000C1 (1 @ 3' x 7')	Good	4210	AMA 2009		
031-001	8	4213		\Locations\NMAH\National Museum of American History\Fourth Floor\4213	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (400 SF)	Good	4212B	Hygienetics 1989		Under carpet
031-001	8	4213		\Locations\NMAH\National Museum of American History\Fourth Floor\4213	ACM	Drywall joint compound	East wall (300 SF)	Good	4212B	AMA 2009	To Be Determined	
031-001	8	4213		\Locations\NMAH\National Museum of American History\Fourth Floor\4213	PACM	Fire door	East wall to 4212 (1 @ 3' x 7')	Good	4212B	AMA 2009		
031-001	8	4300		\Locations\NMAH\National Museum of American History\Fourth Floor\4300								
031-001	8	4301		\Locations\NMAH\National Museum of American History\Fourth Floor\4301								
031-001	8	4301A		\Locations\NMAH\National Museum of American History\Fourth Floor\4301A	PACM	Fire door	West wall to 4000C7 (1 @ 3' x 7')	Good	4002	AMA 2009		
031-001	8	4301A		\Locations\NMAH\National Museum of American History\Fourth Floor\4301A	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (148 SF)	Good	4212B	Hygienetics 1989		
031-001	8	4301A		\Locations\NMAH\National Museum of American History\Fourth Floor\4301A	ACM	Drywall joint compound	East wall (120 SF)	Good	4212B	AMA 2009	To Be Determined	
031-001	8	4302		\Locations\NMAH\National Museum of American History\Fourth Floor\4302	PACM	Fire door	West wall to 4000C7 (1 @ 3' x 7')	Good	4002	AMA 2009		
031-001	8	4302		\Locations\NMAH\National Museum of American History\Fourth Floor\4302	ACM	Drywall joint compound	Throughout (360 SF)	Good	4002	AMA 2009	To Be Determined	
031-001	8	4302A		\Locations\NMAH\National Museum of American History\Fourth Floor\4302A	ACM	Drywall joint compound	Throughout (440 SF)	Good	4002	AMA 2009	To Be Determined	
031-001	8	4302B		\Locations\NMAH\National Museum of American History\Fourth Floor\4302B	ACM	Drywall joint compound	Throughout (400 SF)	Good	4002	AMA 2009	To Be Determined	
031-001	8	4303		\Locations\NMAH\National Museum of American History\Fourth Floor\4303	ACM	Drywall joint compound	South Wall (160 SF)	Good	4008	AMA 2009	To Be Determined	
031-001	8	4303		\Locations\NMAH\National Museum of American History\Fourth Floor\4303	ACM	Cementitious pipe hanger	Throughout above ceiling (10 Hangers)	Good	4008	Hygienetics 1989		
031-001	8	4303A		\Locations\NMAH\National Museum of American History\Fourth Floor\4303A								
031-001	8	4303B	CULTURAL HISTORY	\Locations\NMAH\National Museum of American History\Fourth Floor\4303B								
031-001	8	4307		\Locations\NMAH\National Museum of American History\Fourth Floor\4307	PACM	Fire door	West wall to 4000C7 (1 @ 3' x 7')	Good	4002	AMA 2009		
031-001	8	4400		\Locations\NMAH\National Museum of American History\Fourth Floor\4400	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (480 SF)	Good	4200	Hygienetics 1989		White with black streaks
031-001	8	4400		\Locations\NMAH\National Museum of American History\Fourth Floor\4400	PACM	Fire door	East wall to 4000C9 (1 @ 3' x 7') and North wall to 4010 (1 @ 3' x 7')	Good	Mech Room	AMA 2009		
031-001	8	4401	ARMED FORCES	\Locations\NMAH\National Museum of American History\Fourth Floor\4401	PACM	Fire door	West wall to 4000C9 (2 @ 3' x 7')	Good	4401	AMA 2009		
031-001	8	4402		\Locations\NMAH\National Museum of American History\Fourth Floor\4402								
031-001	8	4403		\Locations\NMAH\National Museum of American History\Fourth Floor\4403								Inaccessible
031-001	8	4404B		\Locations\NMAH\National Museum of American History\Fourth Floor\4404B	ACM	Drywall joint compound	North and South wall (180 SF)	Good	4404B	AMA 2009	To Be Determined	
031-001	8	4405		\Locations\NMAH\National Museum of American History\Fourth Floor\4405								
031-001	8	4406		\Locations\NMAH\National Museum of American History\Fourth Floor\4406								
031-001	8	4412		\Locations\NMAH\National Museum of American History\Fourth Floor\4412	ACM	Drywall joint compound	West and South wall (220 SF)	Good	4412	AMA 2009	To Be Determined	

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BUILDING CODE	LEVEL	ROOM ID	ROOM DESCRIPTION	FULLLOCPATH	ACM / PACM?	MATERIAL TYPE	MATERIAL LOCATION	CONDITION	REFERENCE ID	REFERENCE SOURCE	NEW SAMPLE RESULTS	NOTES
031-001	8	4413A		\Locations\NMAH\National Museum of American History\Fourth Floor\4413A								
031-001	8	4500	ARMED FORCES	\Locations\NMAH\National Museum of American History\Fourth Floor\4500	PACM	Fire door	East wall to 4000C10 (2 @ 3' x 7')	Good	4500	AMA 2009		
031-001	8	4501		\Locations\NMAH\National Museum of American History\Fourth Floor\4501	PACM	Fire door	West wall to 4000C10 (2 @ 3' x 7')	Good	4501	AMA 2009		
031-001	8	4501		\Locations\NMAH\National Museum of American History\Fourth Floor\4501	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (900 SF)	Good	N/A	Hygienetics 1989		White with black streaks
031-001	8	4501M		\Locations\NMAH\National Museum of American History\Fourth Floor\4501M								
031-001	8	4502	ARMED FORCES	\Locations\NMAH\National Museum of American History\Fourth Floor\4502								
031-001	8	4503	ARMED FORCES FLAG STORAGE	\Locations\NMAH\National Museum of American History\Fourth Floor\4503								
031-001	8	4504		\Locations\NMAH\National Museum of American History\Fourth Floor\4504								
031-001	8	4505		\Locations\NMAH\National Museum of American History\Fourth Floor\4505	PACM	Fire door	South wall to 4000M9 (1 @ 3' x 7')	Good	J	AMA 2009		
031-001	8	4505		\Locations\NMAH\National Museum of American History\Fourth Floor\4505	ACM	Cementitious pipe fittings	Throughout ceiling (6 Fittings visible)	Good	J	Hygienetics 1989		
031-001	8	4506	MUSICAL HISTORY	\Locations\NMAH\National Museum of American History\Fourth Floor\4506								
031-001	8	4508	TEXTILE COLLECTION	\Locations\NMAH\National Museum of American History\Fourth Floor\4508	PACM	Fire door	East wall to 4000C10 (2 @ 3' x 7')	Good	4508	AMA 2009		
031-001	8	4508A		\Locations\NMAH\National Museum of American History\Fourth Floor\4508A	ACM	Drywall joint compound	East Wall (100 SF)	Good	4601	AMA 2009	To Be Determined	
031-001	8	4510		\Locations\NMAH\National Museum of American History\Fourth Floor\4510	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (224 SF)	Good	4505	Hygienetics 1989		9"x9" White with black streaks
031-001	8	4510		\Locations\NMAH\National Museum of American History\Fourth Floor\4510	ACM	Drywall joint compound	North Wall (120 SF)	Good	4505	AMA 2009	To Be Determined	
031-001	8	4510		\Locations\NMAH\National Museum of American History\Fourth Floor\4510	PACM	Fire door	East wall to 4000C10 (2 @ 3' x 7')	Good	4505			
031-001	8	4601		\Locations\NMAH\National Museum of American History\Fourth Floor\4601	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (224 SF)	Good	4601	Hygienetics 1989		
031-001	8	4601		\Locations\NMAH\National Museum of American History\Fourth Floor\4601	ACM	Drywall joint compound	East Wall (200 SF)	Good	4601	AMA 2009	To Be Determined	
031-001	8	4601		\Locations\NMAH\National Museum of American History\Fourth Floor\4601	PACM	Fire door	West wall to 4000C4 (2 @ 3' x 7')	Good	4601	AMA 2009		
031-001	8	4601A		\Locations\NMAH\National Museum of American History\Fourth Floor\4601A	PACM	Fire door	West wall to 4000C4 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	8	4601B		\Locations\NMAH\National Museum of American History\Fourth Floor\4601B	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (168 SF)	Good	4601B	Hygienetics 1989		
031-001	8	4601B		\Locations\NMAH\National Museum of American History\Fourth Floor\4601B	ACM	Drywall joint compound	West Wall (168 SF)	Good	4601B	AMA 2009	To Be Determined	
031-001	8	4601B		\Locations\NMAH\National Museum of American History\Fourth Floor\4601B	PACM	Fire door	West wall to 4601 (1 @ 3' x 7')	Good	4601B	AMA 2009		
031-001	8	4602	CERAMICS & GLASS	\Locations\NMAH\National Museum of American History\Fourth Floor\4602								
031-001	8	4603		\Locations\NMAH\National Museum of American History\Fourth Floor\4603	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (252 SF)	Good	4603	Hygienetics 1989		
031-001	8	4603		\Locations\NMAH\National Museum of American History\Fourth Floor\4603	ACM	Drywall joint compound	North and South wall (250 SF)	Good	4603	AMA 2009	To Be Determined	
031-001	8	4603		\Locations\NMAH\National Museum of American History\Fourth Floor\4603	PACM	Fire door	West wall to 4000C4 (1 @ 3' x 7') and South wall to 4603A (1 @ 3' x 7')	Good	4603	AMA 2009		
031-001	8	4603A		\Locations\NMAH\National Museum of American History\Fourth Floor\4603A	PACM	Fire door	West wall to 40064 (1 @ 3' x 7')	Good	4603	AMA 2009		
031-001	8	4603A		\Locations\NMAH\National Museum of American History\Fourth Floor\4603A	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (312 SF)	Good	4603	Hygienetics 1989		
031-001	8	4603A		\Locations\NMAH\National Museum of American History\Fourth Floor\4603A	ACM	Drywall joint compound	North wall (250 SF)	Good	4603	AMA 2009	To Be Determined	
031-001	8	4604	CERAMICS & GLASS	\Locations\NMAH\National Museum of American History\Fourth Floor\4604	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout East portion of floor (360 SF)	Good	4604	Hygienetics 1989		
031-001	8	4604	CERAMICS & GLASS	\Locations\NMAH\National Museum of American History\Fourth Floor\4604	ACM	Cementitous pipe fittings	Northeast wall hatch (1 Fitting visible)	Significantly damaged	4604	Hygienetics 1989	20% Amosite	Residual fitting
031-001	8	4604M		\Locations\NMAH\National Museum of American History\Fourth Floor\4604M								
031-001	8	4605		\Locations\NMAH\National Museum of American History\Fourth Floor\4605	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (312 SF)	Good	4605	Hygienetics 1989		
031-001	8	4605		\Locations\NMAH\National Museum of American History\Fourth Floor\4605	PACM	Fire door	West wall to 4000C4 (1 @ 3' x 7') and North wall to 4603A (1 @ 3' x 7')	Good	4605	AMA 2009		
031-001	8	4606	CERAMICS & GLASS	\Locations\NMAH\National Museum of American History\Fourth Floor\4606	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout East portion of floor (240 SF)	Good	4505	Hygienetics 1989		9"x9" White with black streaks
031-001	8	4608	TEXTILE COLLECTION	\Locations\NMAH\National Museum of American History\Fourth Floor\4608	PACM	Fire door	East wall to 4000C4 (2 @ 3' x 7')	Good	4608	AMA 2009		
031-001	8	4609	EAST CONFERENCE ROOM	\Locations\NMAH\National Museum of American History\Fourth Floor\4609	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (576 SF)	Good	4609	Hygienetics 1989		
031-001	8	4609	EAST CONFERENCE ROOM	\Locations\NMAH\National Museum of American History\Fourth Floor\4609	PACM	Fire door	West wall to 4000C4 (2 @ 3' x 7')	Good	4609	AMA 2009		
031-001	8	4611		\Locations\NMAH\National Museum of American History\Fourth Floor\4611	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (160 SF)	Good	4611	Hygienetics 1989		
031-001	8	4611		\Locations\NMAH\National Museum of American History\Fourth Floor\4611	ACM	Drywall joint compound	East wall (100 SF)	Good	4611	AMA 2009	To Be Determined	
031-001	8	4611		\Locations\NMAH\National Museum of American History\Fourth Floor\4611	PACM	Fire door	West wall to 4000C4 (1 @ 3' x 7') and South wall to 4613 (1 @ 3' x 7')	Good	4611	AMA 2009		
031-001	8	4611A		\Locations\NMAH\National Museum of American History\Fourth Floor\4611A	ACM	Drywall joint compound	West wall (100 SF)	Good	4611	AMA 2009	To Be Determined	
031-001	8	4611A		\Locations\NMAH\National Museum of American History\Fourth Floor\4611A	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (100 SF)	Good	4611	Hygienetics 1989		
031-001	8	4611A		\Locations\NMAH\National Museum of American History\Fourth Floor\4611A	PACM	Fire door	West wall to 4611 (1 @ 3' x 7')	Good	4611	AMA 2009		
031-001	8	4613		\Locations\NMAH\National Museum of American History\Fourth Floor\4613	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (160 SF)	Good	4613	Hygienetics 1989		
031-001	8	4613		\Locations\NMAH\National Museum of American History\Fourth Floor\4613	ACM	Drywall joint compound	East wall (100 SF)	Good	4613	AMA 2009	To Be Determined	
031-001	8	4613		\Locations\NMAH\National Museum of American History\Fourth Floor\4613	PACM	Fire door	West wall to 4000C3 (1 @ 3' x 7') and South wall to 4615 (1 @ 3' x 7')	Good	4613	AMA 2009		
031-001	8	4613A		\Locations\NMAH\National Museum of American History\Fourth Floor\4613A	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (100 SF)	Good	4613	Hygienetics 1989		
031-001	8	4613A		\Locations\NMAH\National Museum of American History\Fourth Floor\4613A	ACM	Drywall joint compound	East wall (100 SF)	Good	4613	AMA 2009	To Be Determined	
031-001	8	4615		\Locations\NMAH\National Museum of American History\Fourth Floor\4615	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (270 SF)	Good	4615	Hygienetics 1989		
031-001	8	4615		\Locations\NMAH\National Museum of American History\Fourth Floor\4615	PACM	Fire door	West wall to 4000C4 (1 @ 3' x 7')	Good	4615	AMA 2009		
031-001	8	4615A		\Locations\NMAH\National Museum of American History\Fourth Floor\4615A	PACM	Fire door	West wall to 4000C4 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	8	4617		\Locations\NMAH\National Museum of American History\Fourth Floor\4617	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (500 SF)	Good	4617	Hygienetics 1989		
031-001	8	4617		\Locations\NMAH\National Museum of American History\Fourth Floor\4617	ACM	Black cement sink top	North wall (70 SF)	Good	4617	Hygienetics 1989		
031-001	8	4617		\Locations\NMAH\National Museum of American History\Fourth Floor\4617	PACM	Fire door	West wall to 4000C5/4000C4 (2 @ 3' x 7')	Good	4617	AMA 2009		
031-001	8	4617		\Locations\NMAH\National Museum of American History\Fourth Floor\4617	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (540 SF)	Good	4617	Hygienetics 1989		9"x9" White with black streaks
031-001	9	5000		\Locations\NMAH\National Museum of American History\Fifth Floor\5000	PACM	Fire door	East wall to 5002A (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5000C1		\Locations\NMAH\National Museum of American History\Fifth Floor\5000C1								
031-001	9	5000C2		\Locations\NMAH\National Museum of American History\Fifth Floor\5000C2								
031-001	9	5000C3		\Locations\NMAH\National Museum of American History\Fifth Floor\5000C3								
031-001	9	5000C4		\Locations\NMAH\National Museum of American History\Fifth Floor\5000C4								
031-001	9	5000C5		\Locations\NMAH\National Museum of American History\Fifth Floor\5000C5								
031-001	9	5000C6		\Locations\NMAH\National Museum of American History\Fifth Floor\5000C6								
031-001	9	5000C7		\Locations\NMAH\National Museum of American History\Fifth Floor\5000C7								
031-001	9	5000C8		\Locations\NMAH\National Museum of American History\Fifth Floor\5000C8	ACM	Drywall joint compound	East wall (80 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	9	5000E2		\Locations\NMAH\National Museum of American History\Fifth Floor\5000E2								
031-001	9	5000E3		\Locations\NMAH\National Museum of American History\Fifth Floor\5000E3								
031-001	9	5000E5		\Locations\NMAH\National Museum of American History\Fifth Floor\5000E5								
031-001	9	5000E6		\Locations\NMAH\National Museum of American History\Fifth Floor\5000E6								
031-001	9	5000E7		\Locations\NMAH\National Museum of American History\Fifth Floor\5000E7								
031-001	9	5000E8		\Locations\NMAH\National Museum of American History\Fifth Floor\5000E8								
031-001	9	5000S1		\Locations\NMAH\National Museum of American History\Fifth Floor\5000S1								
031-001	9	5000S10		\Locations\NMAH\National Museum of American History\Fifth Floor\5000S10								
031-001	9	5000S11		\Locations\NMAH\National Museum of American History\Fifth Floor\5000S11								
031-001	9	5000S12		\Locations\NMAH\National Museum of American History\Fifth Floor\5000S12								
031-001	9	5000S2		\Locations\NMAH\National Museum of American History\Fifth Floor\5000S2								
031-001	9	5000S3		\Locations\NMAH\National Museum of American History\Fifth Floor\5000S3								
031-001	9	5000S4		\Locations\NMAH\National Museum of American History\Fifth Floor\5000S4	PACM	Fire door	West wall to 5000C3 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5000S5		\Locations\NMAH\National Museum of American History\Fifth Floor\5000S5	PACM	Fire door	East wall to 5000C1 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5000S6		\Locations\NMAH\National Museum of American History\Fifth Floor\5000S6								
031-001	9	5000S7		\Locations\NMAH\National Museum of American History\Fifth Floor\5000S7								
031-001	9	5000S8		\Locations\NMAH\National Museum of American History\Fifth Floor\5000S8								
031-001	9	5000S9		\Locations\NMAH\National Museum of American History\Fifth Floor\5000S9								
031-001	9	5001	TRANSPORTATION	\Locations\NMAH\National Museum of American History\Fifth Floor\5001	PACM	Fire door	North wall to 5000C2 (2 @ 3' x 7') and East wall to 5000C5 (2 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5001M		\Locations\NMAH\National Museum of American History\Fifth Floor\5001M								
031-001	9	5002		\Locations\NMAH\National Museum of American History\Fifth Floor\5002	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (254 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5002		\Locations\NMAH\National Museum of American History\Fifth Floor\5002	PACM	Fire door	South wall to 5000C2 (1 @ 3' x 7') and East wall to 5003 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5002A		\Locations\NMAH\National Museum of American History\Fifth Floor\5002A	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (288 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5002A		\Locations\NMAH\National Museum of American History\Fifth Floor\5002A	PACM	Fire door	South wall to 5000C2 (1 @ 3' x 7') and East wall to 5002 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5003		\Locations\NMAH\National Museum of American History\Fifth Floor\5003	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (254 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5003		\Locations\NMAH\National Museum of American History\Fifth Floor\5003	PACM	Fire door	South wall to 5000C2 (1 @ 3' x 7') and East wall to 5004 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5004		\Locations\NMAH\National Museum of American History\Fifth Floor\5004	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (340 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5004		\Locations\NMAH\National Museum of American History\Fifth Floor\5004	PACM	Fire door	South wall to 5000C2 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5005		\Locations\NMAH\National Museum of American History\Fifth Floor\5005	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (124 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5005		\Locations\NMAH\National Museum of American History\Fifth Floor\5005	PACM	Fire door	South wall to 5000C2 (2 @ 3' x 7') and East wall to 5007 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5005A		\Locations\NMAH\National Museum of American History\Fifth Floor\5005A	PACM	Fire door	East wall to 5005 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5006	TRANSPORTATION	\Locations\NMAH\National Museum of American History\Fifth Floor\5006	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (288 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5006	TRANSPORTATION	\Locations\NMAH\National Museum of American History\Fifth Floor\5006	PACM	Fire door	North wall to 5000C2 (1 @ 3' x 7'), East wall to 5400 (2 @ 3' x 7'), and West wall to 5000C5 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5006M		\Locations\NMAH\National Museum of American History\Fifth Floor\5006M								
031-001	9	5007		\Locations\NMAH\National Museum of American History\Fifth Floor\5007	PACM	Fire door	South wall to 5000C2 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5008		\Locations\NMAH\National Museum of American History\Fifth Floor\5008	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (180 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5008		\Locations\NMAH\National Museum of American History\Fifth Floor\5008	PACM	Fire door	South wall to 5000C2 (1 @ 3' x 7') and East wall to 5010 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5009	ENGINEERING & INDUSTRY	\Locations\NMAH\National Museum of American History\Fifth Floor\5009	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (254 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5009	ENGINEERING & INDUSTRY	\Locations\NMAH\National Museum of American History\Fifth Floor\5009	PACM	Fire door	North wall to 5000C2 (2 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5009A	ENGINEERING & INDUSTRY	\Locations\NMAH\National Museum of American History\Fifth Floor\5009A	PACM	Fire door	East wall to 5009 (2 @ 3' x 7') and South wall to 5400 (2 @ 3' x 7')	Good	N/A	AMA 2009		

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BUILDING CODE	LEVEL	ROOM ID	ROOM DESCRIPTION	FULLLOCPATH	ACM / PACM?	MATERIAL TYPE	MATERIAL LOCATION	CONDITION	REFERENCE ID	REFERENCE SOURCE	NEW SAMPLE RESULTS	NOTES
031-001	9	5009B		\Locations\NMAH\National Museum of American History\Fifth Floor\5009B								
031-001	9	5009C		\Locations\NMAH\National Museum of American History\Fifth Floor\5009C								
031-001	9	5010		\Locations\NMAH\National Museum of American History\Fifth Floor\5010	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (180 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5010		\Locations\NMAH\National Museum of American History\Fifth Floor\5010	PACM	Fire door	South wall to 5000C2 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5010A		\Locations\NMAH\National Museum of American History\Fifth Floor\5010A	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (180 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5010A		\Locations\NMAH\National Museum of American History\Fifth Floor\5010A	ACM	Drywall joint compound	East wall (180 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	9	5011		\Locations\NMAH\National Museum of American History\Fifth Floor\5011	ACM	Drywall joint compound	West wall (180 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	9	5011		\Locations\NMAH\National Museum of American History\Fifth Floor\5011	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (180 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5011		\Locations\NMAH\National Museum of American History\Fifth Floor\5011	PACM	Fire door	South wall to 5000C2 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5012	ENGINEERING & INDUSTRY	\Locations\NMAH\National Museum of American History\Fifth Floor\5012	PACM	Fire door	North wall to 5000C2 (1 @ 3' x 7'), East wall to 5400 (2 @ 3' x 7'), and West wall to 5000C5 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5013		\Locations\NMAH\National Museum of American History\Fifth Floor\5013	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (180 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5013		\Locations\NMAH\National Museum of American History\Fifth Floor\5013	PACM	Fire door	South wall to 5000C2 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5014		\Locations\NMAH\National Museum of American History\Fifth Floor\5014	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (180 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5014		\Locations\NMAH\National Museum of American History\Fifth Floor\5014	PACM	Fire door	South wall to 5000C2 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5015		\Locations\NMAH\National Museum of American History\Fifth Floor\5015	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (180 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5015		\Locations\NMAH\National Museum of American History\Fifth Floor\5015	PACM	Fire door	South wall to 5000C2 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5016		\Locations\NMAH\National Museum of American History\Fifth Floor\5016	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (3348 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5016		\Locations\NMAH\National Museum of American History\Fifth Floor\5016	ACM	Drywall joint compound	Throughout (620 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	9	5016		\Locations\NMAH\National Museum of American History\Fifth Floor\5016	PACM	Fire door	North wall to 5000C2 (2 @ 3' x 7') and West wall to 5000C6 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5017		\Locations\NMAH\National Museum of American History\Fifth Floor\5017	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (576 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5017		\Locations\NMAH\National Museum of American History\Fifth Floor\5017	PACM	Fire door	South to 5000C2 (2 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5018		\Locations\NMAH\National Museum of American History\Fifth Floor\5018	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (280 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5018		\Locations\NMAH\National Museum of American History\Fifth Floor\5018	PACM	Fire door	North wall to 5000C2 (1 @ 3' x 7') and West wall to 5016 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5019		\Locations\NMAH\National Museum of American History\Fifth Floor\5019	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (252 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5019		\Locations\NMAH\National Museum of American History\Fifth Floor\5019	PACM	Fire door	South wall to 5000C2 (1 @ 3' x 7') and East wall to 5020 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5020		\Locations\NMAH\National Museum of American History\Fifth Floor\5020	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (216 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5020		\Locations\NMAH\National Museum of American History\Fifth Floor\5020	PACM	Fire door	South wall to 5000C2 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5021		\Locations\NMAH\National Museum of American History\Fifth Floor\5021								
031-001	9	5022		\Locations\NMAH\National Museum of American History\Fifth Floor\5022	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (216 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5022		\Locations\NMAH\National Museum of American History\Fifth Floor\5022	PACM	Fire door	South wall to 5000C2 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5023		\Locations\NMAH\National Museum of American History\Fifth Floor\5023								
031-001	9	5024		\Locations\NMAH\National Museum of American History\Fifth Floor\5024	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (324 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5024		\Locations\NMAH\National Museum of American History\Fifth Floor\5024	PACM	Fire door	South wall to 5000C2 (1 @ 3' x 7') and East wall to 5025 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5025		\Locations\NMAH\National Museum of American History\Fifth Floor\5025	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (200 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5025		\Locations\NMAH\National Museum of American History\Fifth Floor\5025	PACM	Fire door	South wall to 5000C2 (1 @ 3' x 7') and East wall to 5027 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5026	MODERN PHYSICS	\Locations\NMAH\National Museum of American History\Fifth Floor\5026	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (216 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5026	MODERN PHYSICS	\Locations\NMAH\National Museum of American History\Fifth Floor\5026	PACM	Fire door	North wall to 5000C2 (2 @ 3' x 7') and West wall to 5502V (2 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5027		\Locations\NMAH\National Museum of American History\Fifth Floor\5027	PACM	Fire door	South wall to 5000C2 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5028	AGRICULTURE	\Locations\NMAH\National Museum of American History\Fifth Floor\5028	PACM	Fire door	North wall to 5000C2 (2 @ 3' x 7') and East wall to 5000C8 (2 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5028M		\Locations\NMAH\National Museum of American History\Fifth Floor\5028M								
031-001	9	5029		\Locations\NMAH\National Museum of American History\Fifth Floor\5029	PACM	Fire door	South wall to 5000C2 (2 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5029A	EXIT TO ROOF	\Locations\NMAH\National Museum of American History\Fifth Floor\5029A	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (108 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5029A	EXIT TO ROOF	\Locations\NMAH\National Museum of American History\Fifth Floor\5029A	ACM	Drywall joint compound	South wall (52 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	9	5029A	EXIT TO ROOF	\Locations\NMAH\National Museum of American History\Fifth Floor\5029A	PACM	Fire door	South wall to 5000C2 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5030		\Locations\NMAH\National Museum of American History\Fifth Floor\5030	ACM	Black cement sink top	Throughout (35 SF)	Good	N/A	Hygienetics 1989		
031-001	9	5030		\Locations\NMAH\National Museum of American History\Fifth Floor\5030	ACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (216 SF)	Good	N/A	Hygienetics 1989		Black
031-001	9	5030		\Locations\NMAH\National Museum of American History\Fifth Floor\5030	PACM	Fire door	South wall to 5000C2 (1 @ 3' x 7') and East wall to 5031 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5031		\Locations\NMAH\National Museum of American History\Fifth Floor\5031	ACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (216 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5031		\Locations\NMAH\National Museum of American History\Fifth Floor\5031	PACM	Fire door	South wall to 5000C2 (1 @ 3' x 7') and East wall to 5032 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5032		\Locations\NMAH\National Museum of American History\Fifth Floor\5032	ACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (224 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5032		\Locations\NMAH\National Museum of American History\Fifth Floor\5032	PACM	Fire door	South wall to 5000C2 (1 @ 3' x 7') and East wall to 5034 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5034		\Locations\NMAH\National Museum of American History\Fifth Floor\5034	ACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (224 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5034		\Locations\NMAH\National Museum of American History\Fifth Floor\5034	PACM	Fire door	South wall to 5000C2 (1 @ 3' x 7') and East wall to 5035 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5035		\Locations\NMAH\National Museum of American History\Fifth Floor\5035	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (252 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5035		\Locations\NMAH\National Museum of American History\Fifth Floor\5035	PACM	Fire door	South wall to 5000C2 (1 @ 3' x 7') and East wall to 5035A (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5035A		\Locations\NMAH\National Museum of American History\Fifth Floor\5035A	ACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (324 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5100		\Locations\NMAH\National Museum of American History\Fifth Floor\5100	PACM	Fire door	North wall to 5000C4 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5100A		\Locations\NMAH\National Museum of American History\Fifth Floor\5100A	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (140 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5101		\Locations\NMAH\National Museum of American History\Fifth Floor\5101	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (254 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5101		\Locations\NMAH\National Museum of American History\Fifth Floor\5101	PACM	Fire door	North wall to 5000C4 (1 @ 3' x 7') and West wall to 5100 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5102		\Locations\NMAH\National Museum of American History\Fifth Floor\5102	ACM	Drywall joint compound	Throughout (200 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	9	5103		\Locations\NMAH\National Museum of American History\Fifth Floor\5103	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (180 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5103		\Locations\NMAH\National Museum of American History\Fifth Floor\5103	PACM	Fire door	North wall to 5000C4 (1 @ 3' x 7') and West wall to 5101 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5104		\Locations\NMAH\National Museum of American History\Fifth Floor\5104	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (288 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5104		\Locations\NMAH\National Museum of American History\Fifth Floor\5104	PACM	Fire door	North wall to5000C4 (1 @ 3' x 7') and West wall to 5103 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5105		\Locations\NMAH\National Museum of American History\Fifth Floor\5105	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (288 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5105		\Locations\NMAH\National Museum of American History\Fifth Floor\5105	PACM	Fire door	North wall to 5000C4 (1 @ 3' x 7') and West wall to 5104 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5106		\Locations\NMAH\National Museum of American History\Fifth Floor\5106	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (180 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5106		\Locations\NMAH\National Museum of American History\Fifth Floor\5106	PACM	Fire door	North wall to 5000C4 (1 @ 3' x 7') and West wall to 5105 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5107		\Locations\NMAH\National Museum of American History\Fifth Floor\5107	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (254 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5107		\Locations\NMAH\National Museum of American History\Fifth Floor\5107	PACM	Fire door	North wall to 5000C4 (1 @ 3' x 7') and West wall to 5106 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5108		\Locations\NMAH\National Museum of American History\Fifth Floor\5108	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (124 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5108		\Locations\NMAH\National Museum of American History\Fifth Floor\5108	ACM	Drywall joint compound	West wall (180 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	9	5108		\Locations\NMAH\National Museum of American History\Fifth Floor\5108	PACM	Fire door	North wall to 5000C4 (1 @ 3' x 7') and West wall to 5108A (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5108A	EXIT TO ROOF	\Locations\NMAH\National Museum of American History\Fifth Floor\5108A	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (180 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5108A	EXIT TO ROOF	\Locations\NMAH\National Museum of American History\Fifth Floor\5108A	PACM	Fire door	North wall to 5000C4 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5109		\Locations\NMAH\National Museum of American History\Fifth Floor\5109	ACM	Drywall joint compound	West wall (720 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	9	5109		\Locations\NMAH\National Museum of American History\Fifth Floor\5109	PACM	Fire door	South wall to 5000C4 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5109B		\Locations\NMAH\National Museum of American History\Fifth Floor\5109B	ACM	Drywall joint compound	West wall (520 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	9	5109B		\Locations\NMAH\National Museum of American History\Fifth Floor\5109B	PACM	Fire door	East wall to 5109 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5110		\Locations\NMAH\National Museum of American History\Fifth Floor\5110	ACM	9" x 9" Vinyl floor tile and assocaited mastic	Throughout floor (324 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5110		\Locations\NMAH\National Museum of American History\Fifth Floor\5110	PACM	Fire door	North wall to 5000C4 (1 @ 3' x 7') and West wall to 5108 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5111		\Locations\NMAH\National Museum of American History\Fifth Floor\5111	PACM	Fire door	North wall to 5000C4 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5112		\Locations\NMAH\National Museum of American History\Fifth Floor\5112								
031-001	9	5112A		\Locations\NMAH\National Museum of American History\Fifth Floor\5112A								
031-001	9	5112B		\Locations\NMAH\National Museum of American History\Fifth Floor\5112B								
031-001	9	5112C		\Locations\NMAH\National Museum of American History\Fifth Floor\5112C								
031-001	9	5112D		\Locations\NMAH\National Museum of American History\Fifth Floor\5112D								
031-001	9	5112E		\Locations\NMAH\National Museum of American History\Fifth Floor\5112E								
031-001	9	5112F		\Locations\NMAH\National Museum of American History\Fifth Floor\5112F								
031-001	9	5112FA		\Locations\NMAH\National Museum of American History\Fifth Floor\5112FA								
031-001	9	5112G		\Locations\NMAH\National Museum of American History\Fifth Floor\5112G	ACM	Drywall joint compound	Throughout (225 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	9	5112GA		\Locations\NMAH\National Museum of American History\Fifth Floor\5112GA								
031-001	9	5112H		\Locations\NMAH\National Museum of American History\Fifth Floor\5112H								

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BUILDING CODE	LEVEL	ROOM ID	ROOM DESCRIPTION	FULLLOCPATH	ACM / PACM?	MATERIAL TYPE	MATERIAL LOCATION	CONDITION	REFERENCE ID	REFERENCE SOURCE	NEW SAMPLE RESULTS	NOTES
031-001	9	5112J		\Locations\NMAH\National Museum of American History\Fifth Floor\5112J	ACM	Drywall joint compound	Throughout (50 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	9	5112K		\Locations\NMAH\National Museum of American History\Fifth Floor\5112K	ACM	Drywall joint compound	Throughout (145 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	9	5113		\Locations\NMAH\National Museum of American History\Fifth Floor\5113	PACM	Fire door	East wall to 5000C4 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5114V		\Locations\NMAH\National Museum of American History\Fifth Floor\5114V	ACM	Drywall joint compound	Throughout (340 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	9	5115		\Locations\NMAH\National Museum of American History\Fifth Floor\5115								
031-001	9	5116		\Locations\NMAH\National Museum of American History\Fifth Floor\5116								
031-001	9	5117		\Locations\NMAH\National Museum of American History\Fifth Floor\5117	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (140 SF)	Good	N/A	Hygienetics 1989		
031-001	9	5117		\Locations\NMAH\National Museum of American History\Fifth Floor\5117	ACM	Brown duct pin mastic	Throughout floor (80 SF)	Good	N/A	N/A		
031-001	9	5117		\Locations\NMAH\National Museum of American History\Fifth Floor\5117	PACM	Fire door	South wall to 5000C4 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5117A		\Locations\NMAH\National Museum of American History\Fifth Floor\5117A	ACM	12" x 12" Vinyl floor tile and associated mastic	Throughout floor (276 SF)	Good	N/A	Hygienetics 1989		Pink and blue/Brown mottle
031-001	9	5117A		\Locations\NMAH\National Museum of American History\Fifth Floor\5117A	ACM	Drywall joint compound	West wall (52 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	9	5117A		\Locations\NMAH\National Museum of American History\Fifth Floor\5117A	PACM	Fire door	East wall to 5115 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5117B		\Locations\NMAH\National Museum of American History\Fifth Floor\5117B	PACM	Fire door	West wall to 5000C7 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5118	STAFF DINING ROOM	\Locations\NMAH\National Museum of American History\Fifth Floor\5118	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (600 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5118	STAFF DINING ROOM	\Locations\NMAH\National Museum of American History\Fifth Floor\5118	ACM	Acoustical ceiling plaster	Throughout floor (1,000 SF)	Good	N/A	Hygienetics 1989		
031-001	9	5118	STAFF DINING ROOM	\Locations\NMAH\National Museum of American History\Fifth Floor\5118	PACM	Fire door	North wall to 5000C4 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5119		\Locations\NMAH\National Museum of American History\Fifth Floor\5119	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (324 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5119		\Locations\NMAH\National Museum of American History\Fifth Floor\5119	PACM	Fire door	North wall to 5000C4 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5120	MODERN PHYSICS	\Locations\NMAH\National Museum of American History\Fifth Floor\5120	PACM	Fire door	West wall to 5000C7 (2 @ 3' x 7') and South wall to 5000C4 (2 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5121		\Locations\NMAH\National Museum of American History\Fifth Floor\5121	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (288 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5121		\Locations\NMAH\National Museum of American History\Fifth Floor\5121	PACM	Fire door	North wall to 5000C4 (1 @ 3' x 7') and West wall (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5122		\Locations\NMAH\National Museum of American History\Fifth Floor\5122	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (288 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5122		\Locations\NMAH\National Museum of American History\Fifth Floor\5122	PACM	Fire door	North wall to 5000C4 (1 @ 3' x 7') and West wall to 5121 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5123		\Locations\NMAH\National Museum of American History\Fifth Floor\5123	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (180 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5123		\Locations\NMAH\National Museum of American History\Fifth Floor\5123	PACM	Fire door	North wall to 5000C4 (1 @ 3' x 7') and West wall to 5122 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5124		\Locations\NMAH\National Museum of American History\Fifth Floor\5124	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (216 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5124		\Locations\NMAH\National Museum of American History\Fifth Floor\5124	PACM	Fire door	North wall to 5000C4 (1 @ 3' x 7') and West wall to 5123 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5125		\Locations\NMAH\National Museum of American History\Fifth Floor\5125	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (216 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5125		\Locations\NMAH\National Museum of American History\Fifth Floor\5125	PACM	Fire door	North wall to 5000C4 (1 @ 3' x 7') and West wall to 5124 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5126		\Locations\NMAH\National Museum of American History\Fifth Floor\5126	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (360 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5126		\Locations\NMAH\National Museum of American History\Fifth Floor\5126	ACM	Black cement sink top	East wall (48 SF)	Good	N/A	Hygienetics 1989		
031-001	9	5126		\Locations\NMAH\National Museum of American History\Fifth Floor\5126	PACM	Fire door	North wall to 5000C4 (2 @ 3' x 7') and West wall to 5125 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5127		\Locations\NMAH\National Museum of American History\Fifth Floor\5127								
031-001	9	5128		\Locations\NMAH\National Museum of American History\Fifth Floor\5128	PACM	Fire door	North wall to 5000C4 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5128		\Locations\NMAH\National Museum of American History\Fifth Floor\5128	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (254 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5128A		\Locations\NMAH\National Museum of American History\Fifth Floor\5128A	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (124 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5128A		\Locations\NMAH\National Museum of American History\Fifth Floor\5128A	ACM	Drywall joint compound	South wall (160 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	9	5128A		\Locations\NMAH\National Museum of American History\Fifth Floor\5128A	PACM	Fire door	West wall to 5000C3 (1 @ 3' x 7') and South wall to 5128B (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5128B		\Locations\NMAH\National Museum of American History\Fifth Floor\5128B	PACM	Fire door	West wall to 5128 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5128B		\Locations\NMAH\National Museum of American History\Fifth Floor\5128B	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (160 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5128B		\Locations\NMAH\National Museum of American History\Fifth Floor\5128B	ACM	Drywall joint compound	North wall (160 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	9	5200		\Locations\NMAH\National Museum of American History\Fifth Floor\5200	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (180 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5200		\Locations\NMAH\National Museum of American History\Fifth Floor\5200	PACM	Fire door	East wall to 5000C1 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5202		\Locations\NMAH\National Museum of American History\Fifth Floor\5202	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (254 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5202		\Locations\NMAH\National Museum of American History\Fifth Floor\5202	PACM	Fire door	East wall to 5000C1 (1 @ 3' x 7') and North wall to 5200 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5204		\Locations\NMAH\National Museum of American History\Fifth Floor\5204	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (160 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5204		\Locations\NMAH\National Museum of American History\Fifth Floor\5204	PACM	Fire door	East wall to 5000C1 (1 @ 3' x 7') and North wall to 5202 (1 @ 2' x 7')	Good	N/A	AMA 2009		
031-001	9	5206		\Locations\NMAH\National Museum of American History\Fifth Floor\5206	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (254 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5206		\Locations\NMAH\National Museum of American History\Fifth Floor\5206	PACM	Fire door	East wall to 5000C1 (1 @ 3' x 7') and North wall to 5204 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5210		\Locations\NMAH\National Museum of American History\Fifth Floor\5210	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (190 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5210		\Locations\NMAH\National Museum of American History\Fifth Floor\5210	PACM	Fire door	East wall to 5000C1 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5210A		\Locations\NMAH\National Museum of American History\Fifth Floor\5210A	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (190 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5210A		\Locations\NMAH\National Museum of American History\Fifth Floor\5210A	PACM	Fire door	East wall to 5000C1 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5212		\Locations\NMAH\National Museum of American History\Fifth Floor\5212	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (288 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5212		\Locations\NMAH\National Museum of American History\Fifth Floor\5212	PACM	Fire door	East wall to 5000C1 (1 @ 3' x 7') and North wall to 5210A (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5214		\Locations\NMAH\National Museum of American History\Fifth Floor\5214	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (254 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5214		\Locations\NMAH\National Museum of American History\Fifth Floor\5214	PACM	Fire door	East wall to 5000C1 (1 @ 3' x 7') and North wall to 5212 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5214A		\Locations\NMAH\National Museum of American History\Fifth Floor\5214A	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (288 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5214A		\Locations\NMAH\National Museum of American History\Fifth Floor\5214A	PACM	Fire door	East wall to 5000C1 (1 @ 3' x 7') and North wall to 5214 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5300	TRC NAVAL STORAGE	\Locations\NMAH\National Museum of American History\Fifth Floor\5300	PACM	Fire door	East wall to 5000C5 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5300A		\Locations\NMAH\National Museum of American History\Fifth Floor\5300A								
031-001	9	5301	TRC MERCHANT SHIP PLANS	\Locations\NMAH\National Museum of American History\Fifth Floor\5301	PACM	Fire door	West wall to 5000C5 (2 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5302		\Locations\NMAH\National Museum of American History\Fifth Floor\5302	PACM	Fire door	East wall to 5000C5 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5303		\Locations\NMAH\National Museum of American History\Fifth Floor\5303	ACM	Drywall joint compound	Throughout (840 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	9	5303		\Locations\NMAH\National Museum of American History\Fifth Floor\5303	PACM	Fire door	West wall to 5000C5 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5303A		\Locations\NMAH\National Museum of American History\Fifth Floor\5303A	ACM	Drywall joint compound	Throughout (260 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	9	5303A		\Locations\NMAH\National Museum of American History\Fifth Floor\5303A	PACM	Fire door	South wall to 5303 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5303B		\Locations\NMAH\National Museum of American History\Fifth Floor\5303B	ACM	Drywall joint compound	Throughout (420 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	9	5303B		\Locations\NMAH\National Museum of American History\Fifth Floor\5303B	PACM	Fire door	South wall to 5303 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5303C		\Locations\NMAH\National Museum of American History\Fifth Floor\5303C	ACM	Drywall joint compound	Throughout (560 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	9	5303C		\Locations\NMAH\National Museum of American History\Fifth Floor\5303C	PACM	Fire door	West wall to 5303E (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5303D		\Locations\NMAH\National Museum of American History\Fifth Floor\5303D	ACM	Drywall joint compound	Throughout (520 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	9	5303D		\Locations\NMAH\National Museum of American History\Fifth Floor\5303D	PACM	Fire door	West wall to 5303E (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5303E		\Locations\NMAH\National Museum of American History\Fifth Floor\5303E	ACM	Drywall joint compound	Throughout (460 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	9	5303M		\Locations\NMAH\National Museum of American History\Fifth Floor\5303M	PACM	Fire door	South wall to 5000C4 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5303M		\Locations\NMAH\National Museum of American History\Fifth Floor\5303M	ACM	Cementitious duct insulation	Near ceiling (80 SF)	Good	N/A	Hygienetics 1989		
031-001	9	5304		\Locations\NMAH\National Museum of American History\Fifth Floor\5304	PACM	Fire door	East wall to 5000C5 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5308		\Locations\NMAH\National Museum of American History\Fifth Floor\5308	ACM	Drywall joint compound	East wall (60 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	9	5400	ENGINEERING & INDUSTRY	\Locations\NMAH\National Museum of American History\Fifth Floor\5400	PACM	Fire door	North wall to 5009 (1 @ 3' x 7') and East wall to 5000C6 (2 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5401		\Locations\NMAH\National Museum of American History\Fifth Floor\5401	PACM	Fire door	East wall to 5000C6 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5401		\Locations\NMAH\National Museum of American History\Fifth Floor\5401	ACM	Drywall joint compound	Throughout (780 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	9	5401		\Locations\NMAH\National Museum of American History\Fifth Floor\5401	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (660 SF)	Good	N/A	Hygienetics 1989		
031-001	9	5402		\Locations\NMAH\National Museum of American History\Fifth Floor\5402	ACM	Drywall joint compound	East wall (90 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	9	5501		\Locations\NMAH\National Museum of American History\Fifth Floor\5501	PACM	Fire door	West wall to 5000C7 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5503V		\Locations\NMAH\National Museum of American History\Fifth Floor\5503V	ACM	Drywall joint compound	South wall (60 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	9	5503V		\Locations\NMAH\National Museum of American History\Fifth Floor\5503V	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (550 SF)	Good	N/A	Hygienetics 1989		
031-001	9	5507		\Locations\NMAH\National Museum of American History\Fifth Floor\5507	PACM	Fire door	East wall to 5000C7 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5508		\Locations\NMAH\National Museum of American History\Fifth Floor\5508	ACM	Drywall joint compound	West wall (4 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	9	5508		\Locations\NMAH\National Museum of American History\Fifth Floor\5508	PACM	Fire door	West wall to 5508 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5509		\Locations\NMAH\National Museum of American History\Fifth Floor\5509								
031-001	9	5601		\Locations\NMAH\National Museum of American History\Fifth Floor\5601	PACM	Fire door	West wall to 5000C8 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5602	MATHEMATICS	\Locations\NMAH\National Museum of American History\Fifth Floor\5602	PACM	Fire door	East wall to 5000C8 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5603		\Locations\NMAH\National Museum of American History\Fifth Floor\5603	PACM	Fire door	West wall to 5000C8 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5604		\Locations\NMAH\National Museum of American History\Fifth Floor\5604								
031-001	9	5604A		\Locations\NMAH\National Museum of American History\Fifth Floor\5604A	ACM	Drywall joint compound	West wall (80 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	9	5604M		\Locations\NMAH\National Museum of American History\Fifth Floor\5604M								
031-001	9	5607		\Locations\NMAH\National Museum of American History\Fifth Floor\5607								
031-001	9	5700	GRAPHIC ARTS	\Locations\NMAH\National Museum of American History\Fifth Floor\5700	PACM	Fire door	East wall to 5000C3 (3 @ 3' x 7') and North wall to 5000C2 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5700M		\Locations\NMAH\National Museum of American History\Fifth Floor\5700M								

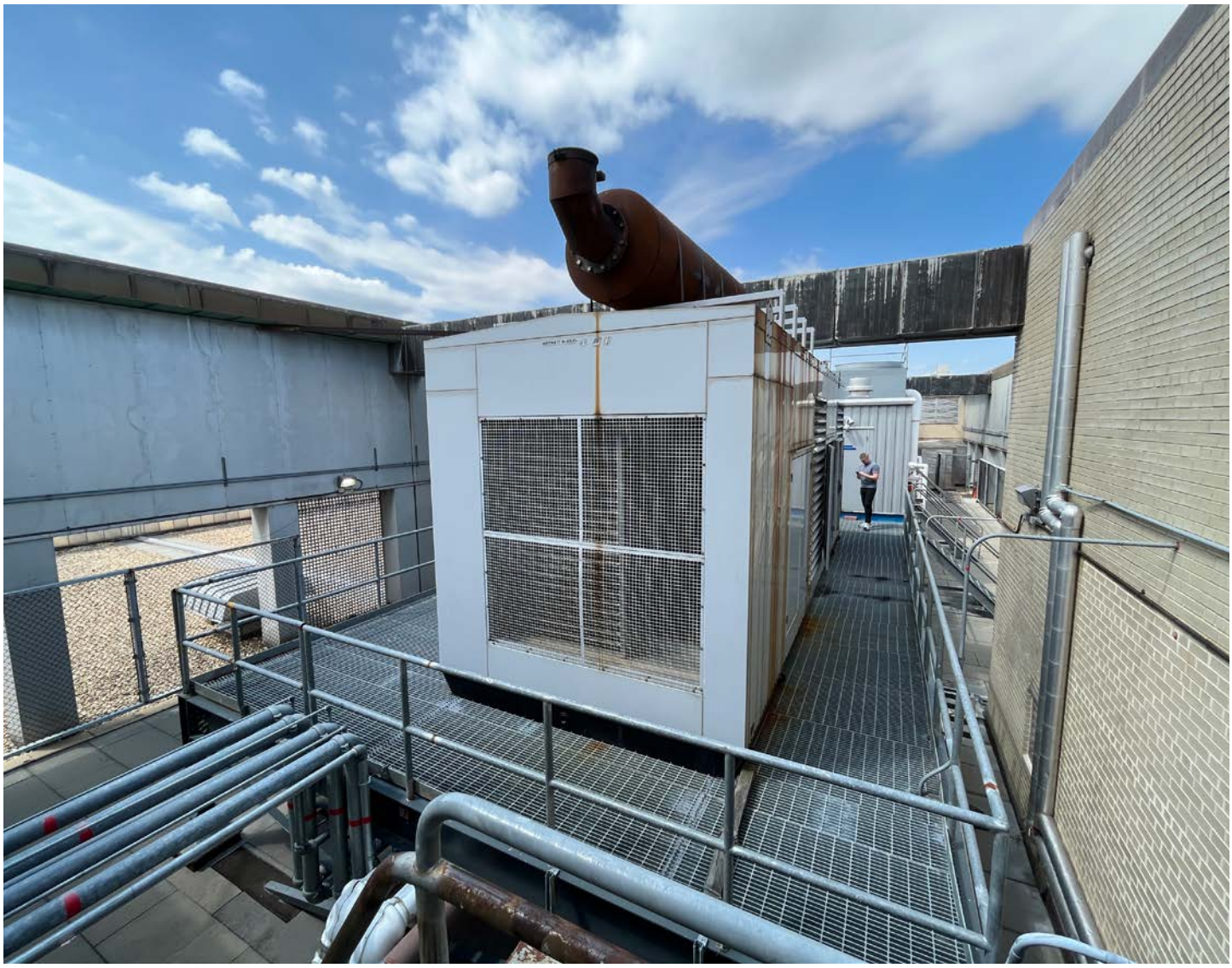
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BUILDING CODE	LEVEL	ROOM ID	ROOM DESCRIPTION	FULLLOCPATH	ACM / PACM?	MATERIAL TYPE	MATERIAL LOCATION	CONDITION	REFERENCE ID	REFERENCE SOURCE	NEW SAMPLE RESULTS	NOTES
031-001	9	5701		\Locations\NMAH\National Museum of American History\Fifth Floor\5701	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (160 SF)	Good	N/A	Hygienetics 1989		
031-001	9	5701		\Locations\NMAH\National Museum of American History\Fifth Floor\5701	PACM	Fire door	West wall to 5000C3 (1 @ 3'x 7') and South wall to 5703 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5703		\Locations\NMAH\National Museum of American History\Fifth Floor\5703	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (160 SF)	Good	N/A	Hygienetics 1989		
031-001	9	5703		\Locations\NMAH\National Museum of American History\Fifth Floor\5703	PACM	Fire door	South wall to 5705 (1 @ 3' x 7') and West wall to 5000C3 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5704	PHOTOGRAPHIC HISTORY	\Locations\NMAH\National Museum of American History\Fifth Floor\5704	PACM	Fire door	North wall to 5700 (1 @ 3' x 7'), East wall to 5000C3 (2 @ 3' x 7') and West wall to 5000C8 (2 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5705		\Locations\NMAH\National Museum of American History\Fifth Floor\5705	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (320 SF)	Good	N/A	Hygienetics 1989		
031-001	9	5705		\Locations\NMAH\National Museum of American History\Fifth Floor\5705	PACM	Fire door	West wall to 5000C3 (1 @ 3' x 7') and South wall to 5707 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5707		\Locations\NMAH\National Museum of American History\Fifth Floor\5707	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (160 SF)	Good	N/A	Hygienetics 1989		
031-001	9	5707		\Locations\NMAH\National Museum of American History\Fifth Floor\5707	PACM	Fire door	West wall to 5000C3 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5709		\Locations\NMAH\National Museum of American History\Fifth Floor\5709	ACM	Drywall joint compound	West wall (20 SF)	Good	N/A	AMA 2009	To Be Determined	
031-001	9	5709		\Locations\NMAH\National Museum of American History\Fifth Floor\5709	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (96 SF)	Good	N/A	Hygienetics 1989		Under carpet
031-001	9	5709		\Locations\NMAH\National Museum of American History\Fifth Floor\5709	PACM	Fire door	West wall to 5000C3 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5711		\Locations\NMAH\National Museum of American History\Fifth Floor\5711	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (160 SF)	Good	N/A	Hygienetics 1989		
031-001	9	5711		\Locations\NMAH\National Museum of American History\Fifth Floor\5711	PACM	Fire door	West wall to 5000C3 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5713		\Locations\NMAH\National Museum of American History\Fifth Floor\5713	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (160 SF)	Good	N/A	Hygienetics 1989		
031-001	9	5713		\Locations\NMAH\National Museum of American History\Fifth Floor\5713	PACM	Fire door	West wall to 5000C3 (1 @ 3' x 7') and South wall to 5715 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5715		\Locations\NMAH\National Museum of American History\Fifth Floor\5715	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (352 SF)	Good	N/A	Hygienetics 1989		
031-001	9	5715		\Locations\NMAH\National Museum of American History\Fifth Floor\5715	PACM	Fire door	West wall to 5000C3 (2 @ 3' x 7') and South wall to 5717 (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	9	5717		\Locations\NMAH\National Museum of American History\Fifth Floor\5717	ACM	9" x 9" Vinyl floor tile and associated mastic	Throughout floor (160 SF)	Good	N/A	Hygienetics 1989		
031-001	9	5717		\Locations\NMAH\National Museum of American History\Fifth Floor\5717	PACM	Fire door	West wall to 5000C3 (1 @ 3' x 7') and South wall to 5128A (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	10	PH1602		\Locations\NMAH\National Museum of American History\Lower Penthouse\PH1602	PACM	Fire door	East wall (1 @ 3' x 7')	Good	N/A	AMA 2009		
031-001	10	PH1VP13		\Locations\NMAH\National Museum of American History\Lower Penthouse\PH1VP13	PACM	Elevator brake pads	Elevator 6 throughout (2 Brake pads)	Good	N/A	AMA 2009		
031-001	10	PH1VP15		\Locations\NMAH\National Museum of American History\Lower Penthouse\PH1VP15	PACM	Elevator brake pads	Elevator 8 throughout (2 Brake pads)	Good	N/A	AMA 2009		
031-001	10	PH1VP1		\Locations\NMAH\National Museum of American History\Lower Penthouse\PH1VP1	PACM	Elevator brake pads	Elevator 5 throughout (2 Brake pads)	Good	N/A	AMA 2009		
031-001	10	PH1VP3		\Locations\NMAH\National Museum of American History\Lower Penthouse\PH1VP3	PACM	Elevator brake pads	Elevator 7 throughout (4 Brake pads)	Good	N/A	AMA 2009		
031-001	10	PH1000M1		\Locations\NMAH\National Museum of American History\Lower Penthouse\PH1000M1								
031-001	10	PH1000M2		\Locations\NMAH\National Museum of American History\Lower Penthouse\PH1000M2								
031-001	10	PH1000M3		\Locations\NMAH\National Museum of American History\Lower Penthouse\PH1000M3								
031-001	10	PH1000S1		\Locations\NMAH\National Museum of American History\Lower Penthouse\PH1000S1								
031-001	10	PH1000S2		\Locations\NMAH\National Museum of American History\Lower Penthouse\PH1000S2								
031-001	10	PH1602		\Locations\NMAH\National Museum of American History\Lower Penthouse\PH1602								
031-001	10	PH1603		\Locations\NMAH\National Museum of American History\Lower Penthouse\PH1603								
031-001	11	PH2000S1		\Locations\NMAH\National Museum of American History\Upper Penthouse\PH2000S1								
031-001	11	PH2000S2		\Locations\NMAH\National Museum of American History\Upper Penthouse\PH2000S2								
031-001	11	PH2605		\Locations\NMAH\National Museum of American History\Upper Penthouse\PH2605								
031-001	11	PH2606		\Locations\NMAH\National Museum of American History\Upper Penthouse\PH2606								
031-001	11	PH2607		\Locations\NMAH\National Museum of American History\Upper Penthouse\PH2607								
031-001	11	PH2608		\Locations\NMAH\National Museum of American History\Upper Penthouse\PH2608								
031-001	12	101		\Locations\NMAH\National Museum of American History\Roof\101								
031-005	2	101		\Locations\NMAH\Smithsonian Early Enrichment Center\Roof\101								
031-005		100		\Locations\NMAH\Smithsonian Early Enrichment Center\Ground Floor\100								
031-005		101		\Locations\NMAH\Smithsonian Early Enrichment Center\Ground Floor\101								
031-005		102		\Locations\NMAH\Smithsonian Early Enrichment Center\Ground Floor\102								
031-005		103		\Locations\NMAH\Smithsonian Early Enrichment Center\Ground Floor\103								
031-005		104		\Locations\NMAH\Smithsonian Early Enrichment Center\Ground Floor\104								
031-005		105		\Locations\NMAH\Smithsonian Early Enrichment Center\Ground Floor\105								
031-005		105A		\Locations\NMAH\Smithsonian Early Enrichment Center\Ground Floor\105A								
031-005		106		\Locations\NMAH\Smithsonian Early Enrichment Center\Ground Floor\106								
031-005		107		\Locations\NMAH\Smithsonian Early Enrichment Center\Ground Floor\107								
031-005		108		\Locations\NMAH\Smithsonian Early Enrichment Center\Ground Floor\108								
031-005		109		\Locations\NMAH\Smithsonian Early Enrichment Center\Ground Floor\109								
031-005		110		\Locations\NMAH\Smithsonian Early Enrichment Center\Ground Floor\110								
031-005		110A		\Locations\NMAH\Smithsonian Early Enrichment Center\Ground Floor\110A								
031-005		110B		\Locations\NMAH\Smithsonian Early Enrichment Center\Ground Floor\110B								
031-005		111		\Locations\NMAH\Smithsonian Early Enrichment Center\Ground Floor\111								
031-005		111A		\Locations\NMAH\Smithsonian Early Enrichment Center\Ground Floor\111A								
031-005		112		\Locations\NMAH\Smithsonian Early Enrichment Center\Ground Floor\112								
031-005		112A		\Locations\NMAH\Smithsonian Early Enrichment Center\Ground Floor\112A								
031-005		112B		\Locations\NMAH\Smithsonian Early Enrichment Center\Ground Floor\112B								
031-005		113		\Locations\NMAH\Smithsonian Early Enrichment Center\Ground Floor\113								
031-005		113A		\Locations\NMAH\Smithsonian Early Enrichment Center\Ground Floor\113A								
031-005		114		\Locations\NMAH\Smithsonian Early Enrichment Center\Ground Floor\114								

Smithsonian Institution
National Museum of American History

Project #1803117
Install Emergency Generator

100% CONSTRUCTION DOCUMENTS ECS ASBESTOS CONTAINING MATERIALS SURVEY (DATED APRIL 18, 2025) DEC 1, 2025



Smithsonian Institution

annum

ASBESTOS-CONTAINING MATERIALS SURVEY



NATIONAL MUSEUM OF AMERICAN HISTORY (NMAH)

1300 CONSTITUTION AVE. NW
WASHINGTON, DISTRICT OF COLUMBIA 20560

ECS PROJECT NO. 47:12287-A

FOR: ANNUM ARCHITECTS, INC.

APRIL 18, 2025

April 18, 2025

Mr. Ed Rice
Annum Architects, Inc.
40 Broad Street
Suite 102
Boston, Massachusetts 02109

ECS Project No. 47:12287-A

Reference: Asbestos-Containing Materials Survey, National Museum of American History (NMAH), 1300 Constitution Ave. NW, Washington, District of Columbia

Dear Mr. Rice:

ECS Mid-Atlantic, LLC (ECS) is pleased to provide Annum Architects, Inc. with the results of the above referenced Asbestos-Containing Materials Survey performed at National Museum of American History (NMAH) located at 1300 Constitution Ave. NW in Washington, District of Columbia. This report summarizes our observations, analytical results, findings, and recommendations related to the work performed. The work described in this report was performed by ECS in general accordance with the Scope of Services described in AIA Document C401® – 2017 and the terms and conditions of the agreement authorizing those services.

ECS appreciates this opportunity to provide Annum Architects, Inc. with our services. If we can be of further assistance to you, please do not hesitate to contact us.

Sincerely,

ECS Mid-Atlantic, LLC





Adam Truax
Environmental Senior Project Manager
atruax@ecslimited.com
540-667-3750

Nathan Edwards, CIH
Environmental Principal
nedward@ecslimited.com
703-471-8400

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1.0 SITE DESCRIPTION

The subject property is improved with the National Museum of American History located at 1300 Constitution Avenue SW in Washington, DC. The scope of work was limited to select areas identified by Annum Architects, Inc.. These areas included the following rooms: 4606 Collections Storage, BB015, Loading Dock, CB067, B00M7, 2000M9, 4000C10, 5502V Vestibule, 30B067, and 1000M9 Electric Room. No other materials or areas were included in the scope of work.

The building's interior finishes generally consist of concrete masonry unit (CMU) walls in mechanical areas, gypsum wallboard, and plaster walls in corridors; flooring materials include ceramic floor tiles and unfinished concrete areas, corrugated metal ceilings in mechanical areas, and drop-down ceiling tiles in corridors.

ECS previously completed a hazardous-materials survey (ECS Project #47:12287, dated February 2, 2022) that was limited to the east and west mechanical penthouses, special collection rooms 5400, 5006, 5120, and 5604 located on the 5th floor, east and west exterior and central mechanical rooms on the 4th floor, and corridors 4303A, 4000C7, 4000C10, and 4508A. This survey identified asbestos-containing Tan/Gray Joint Compound associated with drywall in corridor 4000C7, asbestos-containing Black Seam Mastic on HVAC Ductwork in mechanical area 4000M12, and White Residual Insulation on HVAC Ductwork in mechanical area 4000M12. This report can be provided upon request.

2.0 PURPOSE

The purpose of the survey was to identify asbestos-containing materials (ACMs) that require special handling and/or disposal if disturbed during construction activities. The identification of ACMs requires trained labor, regulated work practices, and special disposal.

3.0 METHODOLOGY

ECS performed the authorized Scope of Services in general accordance with our proposal, standard industry practice(s) and methods specified by regulation(s) for the identification of ACMs.

3.1 Asbestos-Containing Materials

The non-destructive asbestos survey was performed by asbestos inspectors who have received EPA-accredited training. Samples of suspect ACMs were collected utilizing hand tools and placed into individual, labeled plastic bags. Unique bulk suspect ACM samples were submitted to Scientific Analytical Institute, Inc., SAIin Greensboro, North Carolina for analysis via Polarized Light Microscopy (PLM) in accordance with current EPA-600 methodology. Materials consisting of additional layers were analyzed separately. Scientific Analytical Institute, Inc. is listed as an accredited laboratory by the National Voluntary Laboratory Accreditation Plan (NVLAP) managed by the National Institute of Standards and Technology (NIST) for bulk sample analysis by currently approved EPA methodology by PLM.

During the survey, ECS attempted to identify suspect ACMs in readily accessible areas. However, due to the destructive means required to identify some materials, certain areas were deemed inaccessible (i.e. behind walls or sub grade materials) and were not surveyed for suspect ACMs. The

survey was limited to the following rooms: 4606 Collections Storage, BB015, Loading Dock, CB067, B00M7, 2000M9, 4000C10, 5502V Vestibule, 30B067, and 1000M9 Electric Room. Unidentified suspect ACMs may be located in areas outside of these areas and/or other inaccessible areas.

Samples were collected in general accordance with EPA Standard 40 CFR 763 Subpart E, Asbestos Hazard Emergency Response Act (AHERA) and OSHA Standard 29 CFR 1926.1101 Inspection Protocol. Multiple samples of each unique material were submitted. Samples were analyzed using "Positive Stop" methodology. If one sample of a homogeneous material is reported to contain asbestos, the remaining samples of that material are not analyzed. EPA regulations stipulate that if one sample contains asbestos the entire quantity of that material contains asbestos, regardless of additional analysis.

4.0 RESULTS

The following is a summary of laboratory results, findings and observations.

4.1 Asbestos Sampling

In total, 34 bulk samples from 12 homogeneous areas were submitted to the laboratory, of which 37 layers were analyzed.

An ACM is defined as any material containing more than one percent (>1%) asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763, Section 1, PLM. The U.S. EPA categorizes ACM as follows:

- Friable ACMs are defined as any ACM that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure. Non-friable ACMs are defined as any ACM that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure.
- Category I non-friable ACM include packings, gaskets, resilient floor coverings, and asphalt roofing products containing more than one percent (>1%) asbestos.
- Category II non-friable ACM are listed as any material, excluding Category I non-friable ACM, containing more than one percent (>1%) asbestos.

Regulated Asbestos Containing Materials (RACM) are friable ACM or non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading or has crumbled, been pulverized, or reduced to powder in the course of renovation and/or demolition operations.

SAI submitted a signed final laboratory report to ECS on February 28, 2025. None of the bulk samples submitted for analysis were reported to contain asbestos in detectable concentrations. A complete list of the sampled materials submitted for analysis and sample locations is appended to this report. Photographs of representative building materials/locations are appended to this report.

4.2 Suspect or Assumed Asbestos-Containing Materials

Due to the inaccessibility or the destructive means that asbestos sampling requires, additional suspect ACMs may remain within the building hidden behind inaccessible areas that include but are not limited to, sub-grade walls, structural members, topping slabs, sub-grade sealants, flooring located below underlayments, areas behind exterior walls, pipe trenches, and subsurface utilities, etc. These areas were deemed inaccessible and were not assessed.

If these materials are discovered during construction activities, they should be presumed to contain asbestos and be treated as ACMs or sampled immediately upon discovery and prior to disturbance for asbestos content by a certified asbestos inspector in accordance with 29 CFR 1926.1101.

Based upon our experience in the identification of ACMs in similarly constructed buildings, the following additional suspect ACMs may also be located in inaccessible areas of the structure:

- **Pipe Flange Gaskets** in heating and plumbing systems
- **Waterproofing Membrane/Mastics/Vapor Barriers** within exterior wall cavities, exterior veneer and/or subgrade walls
- **Thermal System Insulation** behind walls, above ceilings, or below grade
- **Subgrade Cementitious Duct Banks and Pipes**
- **Mastics** associated with mirrors/boards
- **Vermiculite Insulation**
- **Electrical Panels Asbestos Cement Components** in electrical systems
- **Fire Doors and Casings**
- **Suspect Materials** outside of the scope of this survey
- **Roofing and Exterior Materials**

5.0 RECOMMENDATIONS AND REGULATORY REQUIREMENTS

Based on our understanding of the purpose of the Asbestos-Containing Materials Survey, the results of laboratory analysis, and our findings and observations, ECS presents the following recommendations.

5.1 Asbestos-Containing Materials

None of the bulk samples submitted to Scientific Analytical Institute, Inc. were reported to contain detectable concentrations of asbestos. If additional suspect asbestos-containing materials are uncovered which were not accessible during this sampling event, it is recommended that these materials be sampled or tested immediately upon discovery for asbestos content by an asbestos inspector in accordance with 29 CFR 1926.1101.

6.0 LIMITATIONS

The conclusions and recommendations presented within this report are based upon a reasonable level of assessment within normal bounds and standards of professional practice for a site in this particular geographic setting. ECS is not responsible or liable for the discovery and elimination of hazards that may potentially cause damage, accidents, or injuries.

The observations, conclusions, and recommendations pertaining to environmental conditions at the subject site are necessarily limited to conditions observed, and/or materials reviewed at the time this study was undertaken. No warranty, expressed or implied, is made with regard to the conclusions and recommendations presented within this report. This report is provided for the exclusive use of the client. This report is not intended to be used or relied upon in connection with other projects or by other unidentified third parties without the written consent of ECS and the client.

During this study, samples were submitted for analysis at an accredited laboratory via polarized light microscopy. As with any similar survey of this nature, actual conditions exist only at the precise locations from which samples were collected. Certain inferences are based on the results of this sampling and related testing to form a professional opinion of conditions in areas beyond those from which the samples were collected. No warranty, expressed or implied, is made.

Our recommendations are in part based on federal, state, and local regulations and guidelines. ECS does not assume the responsibility of the person(s) in charge of the site, or otherwise undertake responsibility for reporting to any local, state, or federal public agencies, any conditions at the site that may present a potential danger to public health, safety, or the environment. Under this scope of services, ECS assumes no responsibility regarding any response actions initiated as a result of these findings. General compliance with regulations and response actions are the sole responsibility of the Client and should be conducted in accordance with local, state, and/or federal requirements.

Appendix I: Figures

ASBESTOS PLM
SAMPLE LOCATION
FIGURE

NATIONAL MUSEUM OF
ART AND HISTORY

1300 CONSTITUTION AVE NW,
WASHINGTON, DC 20560

ECS

DATE: 4-18-2025

1 / G-1

UTILITY CLOSET
C0032

FIRE PUMP ROOM
C0033

ARCHIVES
C0045

Samples 16, 17, 18, and 32

STORAGE
C0007

GENERAL / MIXED USE
C0030

ELEV 8
C0058

ELECTRICAL
C0015

CORRIDOR
C0002

CORRIDOR
C0002

Samples 12, 13, 14, 15, and 31

EMERGENCY GENERATOR RM
C0057

MECHANICAL
C0003

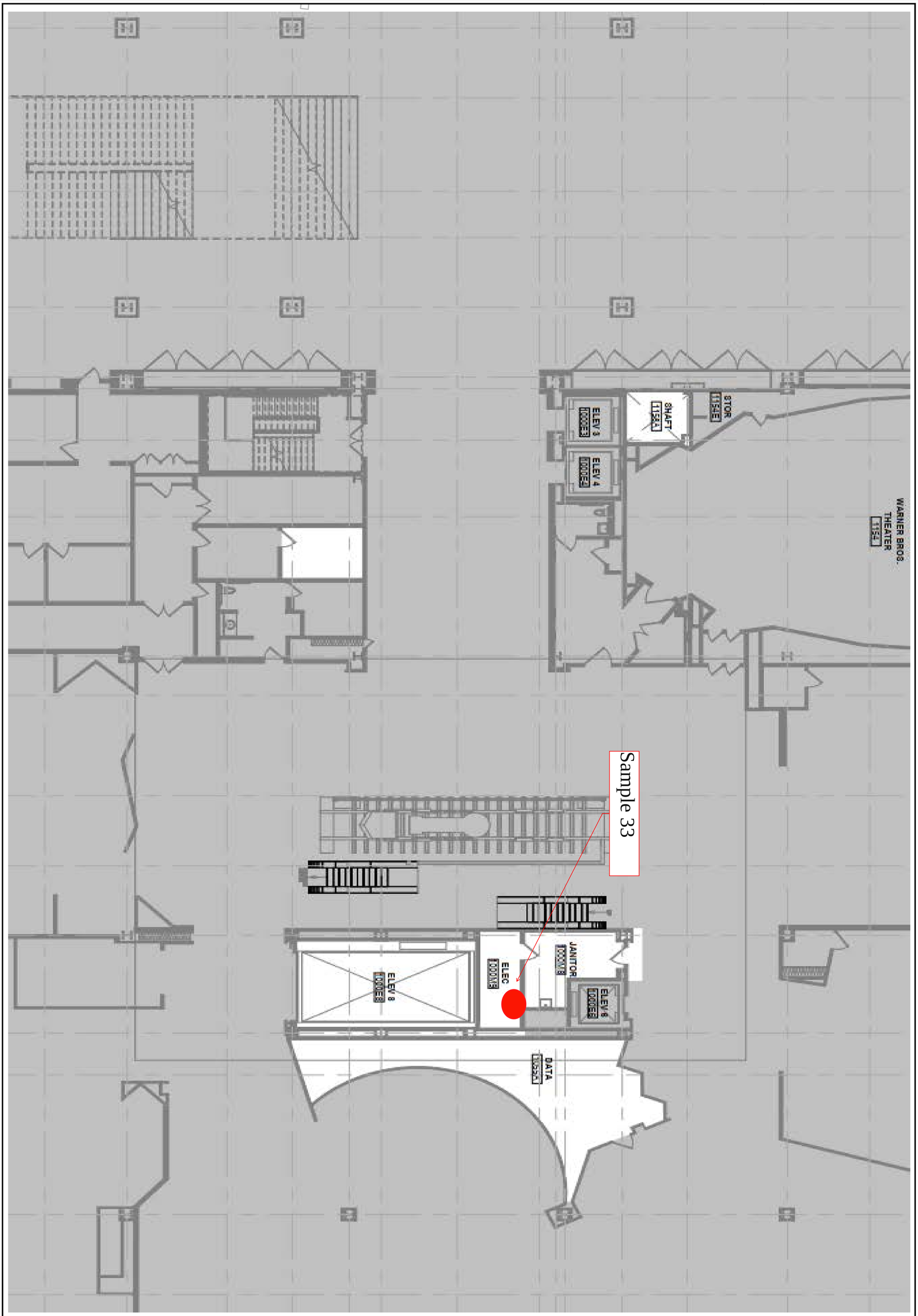
ASBESTOS PLM
SAMPLE LOCATION
FIGURE

NATIONAL MUSEUM OF
ART AND HISTORY

1300 CONSTITUTION AVE NW,
WASHINGTON, DC 20560

ECS

DATE: 4-18-2025



DATE 4-18-2025

NATIONAL MUSEUM OF ART AND HISTORY

1300 CONSTITUTION AVE NW, WASHINGTON, DC 20560

ASBESTOS PLM SAMPLE LOCATION FIGURE

ASBESTOS PLM
SAMPLE LOCATION
FIGURE

NATIONAL MUSEUM OF
ART AND HISTORY
1300 CONSTITUTION AVE NW,
WASHINGTON, DC 20560

DATE: 4-18-2025

STORAGE
4405

4000V2

MECHANICAL RM.
4000M3

RESTROOM
4000T2

ELEVATOR
4000E5

4505

4000M5

MECHANICAL RM
4000M4

4000E3

Samples 22, 23, 24, and 25

4000C8

4505A

4000C10

Samples 01, 02, 03, 04, 05, 06, and 28

CORRIDOR
4000C9

(SUB STATION 8)

COLLECTION STORAGE
4505

4000C6

4000C6

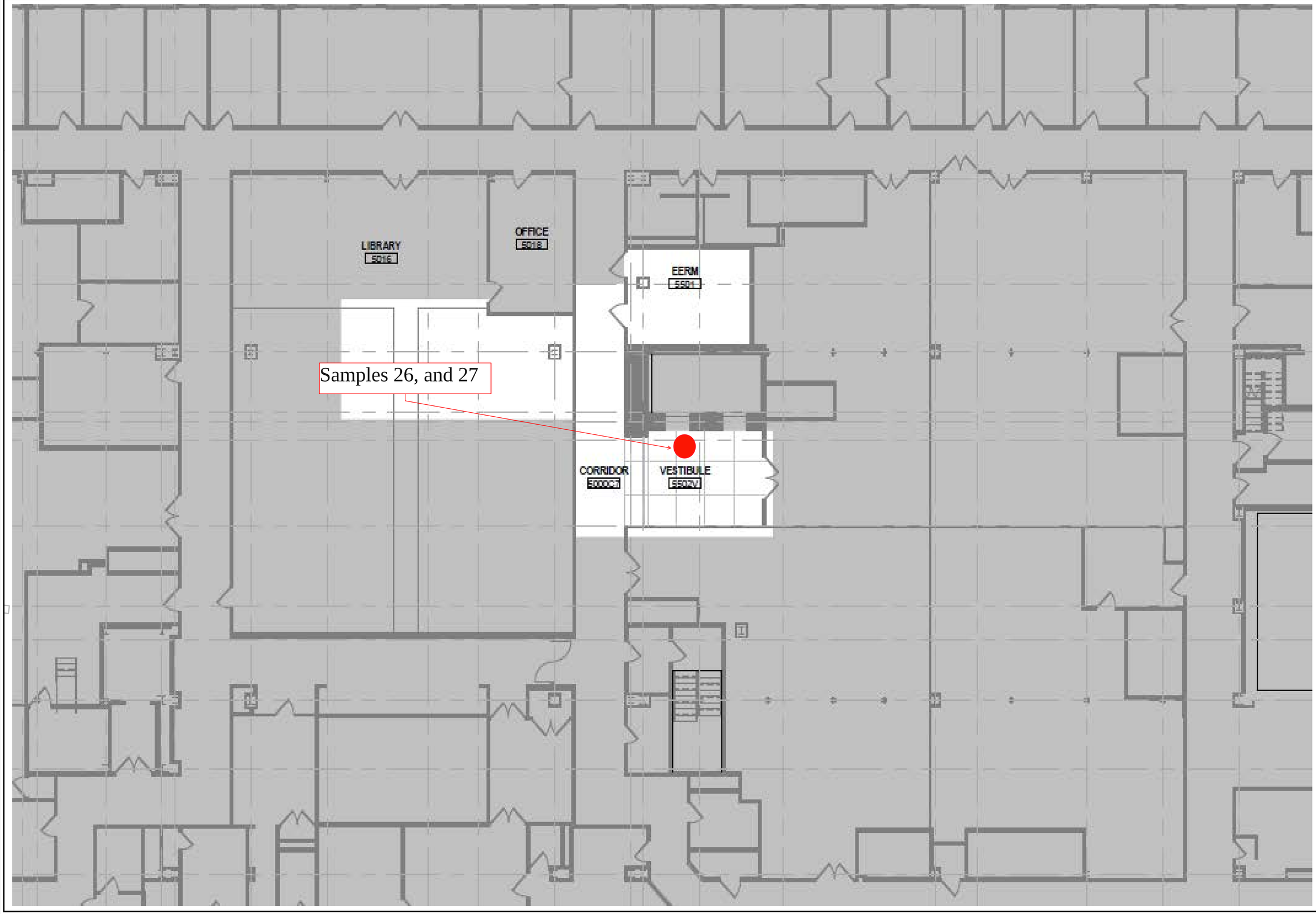
ASBESTOS PLM
SAMPLE LOCATION
FIGURE

NATIONAL MUSEUM OF
ART AND HISTORY

1300 CONSTITUTION AVE NW,
WASHINGTON, DC 20560

ECS

DATE: 4-18-2025



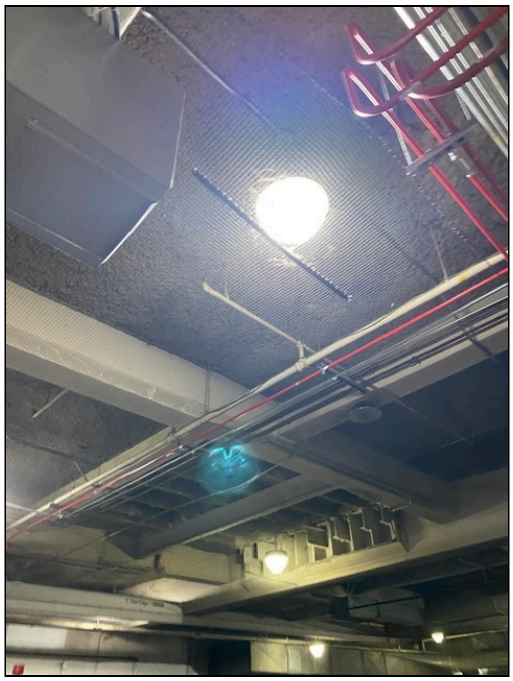
ASBESTOS PLM
SAMPLE LOCATION
FIGURE

NATIONAL MUSEUM OF
ART AND HISTORY
1300 CONSTITUTION AVE NW,
WASHINGTON, DC 20560

ECS

DATE: 4-18-2025

Appendix II: Site Photographs



1 - View of Loading Dock



2 - View of 4606 Collections Storage



3 - View of B000M7

Appendix III: Asbestos Bulk Sample Results

SUSPECT ASBESTOS-CONTAINING MATERIALS BULK SAMPLING RESULTS

Sample #	Sampling Location	Material/Description	Layer Analyzed	Analytical Results
01 - A	4606 Collections Storage	Plaster Ceiling with Skim Coat	Finish	None Detected
01 - B	4606 Collections Storage	Plaster Ceiling with Skim Coat	Base	None Detected
02 - A	4606 Collections Storage	Plaster Ceiling with Skim Coat	Finish	None Detected
02 - B	4606 Collections Storage	Plaster Ceiling with Skim Coat	Base	None Detected
03 - A	4606 Collections Storage	Plaster Ceiling with Skim Coat	Finish	None Detected
03 - B	4606 Collections Storage	Plaster Ceiling with Skim Coat	Base	None Detected
4	4606 Collections Storage	White Spray-Applied Fireproofing	Fireproofing	None Detected
5	4606 Collections Storage	White Spray-Applied Fireproofing	Fireproofing	None Detected
6	4606 Collections Storage	White Spray-Applied Fireproofing	Fireproofing	None Detected
7	Room BB015	Red Penetration Sealant	Sealant	None Detected
8	Room BB015	Red Penetration Sealant	Sealant	None Detected
9	Room BB015	Grey Spray-Applied Fireproofing	Fireproofing	None Detected
10	Room BB015	Grey Spray-Applied Fireproofing	Fireproofing	None Detected
11	Loading Dock Area	Grey Spray-Applied Fireproofing	Fireproofing	None Detected
12	Room CB067	White Duct Insulation Cloth Wrap	Wrap	None Detected
13	Room CB067	White Duct Insulation Cloth Wrap	Wrap	None Detected
14	Room CB067	White Pipe Insulation Wrap	Wrap	None Detected
15	Room CB067	White Pipe Insulation Wrap	Wrap	None Detected
16	Room B00M7	White Cementous Wall Cover	Wall Cover	None Detected
17	Room B00M7	White Cementous Wall Cover	Wall Cover	None Detected
18	Room B00M7	White Cementous Wall Cover	Wall Cover	None Detected
19	Room 2000M9	Gray Cementous Spray-Applied Fireproofing	Fireproofing	None Detected
20	Room 2000M9	Gray Cementous Spray-Applied Fireproofing	Fireproofing	None Detected
21	Room 2000M9	Gray Cementous Spray-Applied Fireproofing	Fireproofing	None Detected
22	Room 4000C10	2' x 4' White Ceiling Tile with Pinholes and Small Fissures	Ceiling Tile	None Detected
23	Room 4000C10	2' x 4' White Ceiling Tile with Pinholes and Small Fissures	Ceiling Tile	None Detected
24	Room 4000C10	2' x 4' White Ceiling Tile with Pinholes and Large Fissures	Ceiling Tile	None Detected
25	Room 4000C10	2' x 4' White Ceiling Tile with Pinholes and Large Fissures	Ceiling Tile	None Detected
26	5502V Vestibule	Tan Terrazzo Flooring	Flooring	None Detected
27	5502V Vestibule	Tan Terrazzo Flooring	Flooring	None Detected
28	4606 Collections Storage	CMU Wall Surfacing	Surfacing	None Detected

Table Notes:
Bold = Asbestos-Containing Materials
N/A = Not Analyzed
None Detected = No Asbestos Detected

SUSPECT ASBESTOS-CONTAINING MATERIALS BULK SAMPLING RESULTS

Sample #	Sampling Location	Material/Description	Layer Analyzed	Analytical Results
29	Room BB015	CMU Wall Surfacing	Surfacing	None Detected
30	Room BB015	CMU Wall Surfacing	Surfacing	None Detected
31	Room 30B067	CMU Wall Surfacing	Surfacing	None Detected
32	Room B00M7	CMU Wall Surfacing	Surfacing	None Detected
33	1000M9 Electric	CMU Wall Surfacing	Surfacing	None Detected
34	Room 2000M9	CMU Wall Surfacing	Surfacing	None Detected

Table Notes:
Bold = Asbestos-Containing Materials
N/A = Not Analyzed
None Detected = No Asbestos Detected

Appendix IV: Laboratory Report

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and
40 CFR, Part 763, Subpart E, App.E

NVLAP LAB CODE 200664-0

Customer: ECS Mid-Atlantic, LLC
14026 Thunderbolt Place
Chantilly, VA 20151

Attn: Zach Harrell

Project: 47:12287-A NMHA Renovations

Lab Order ID: **10075939**
Analysis: PLM
Date Received: 02/21/2025
Date Reported: 02/28/2025

Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
01 - A	Plaster Ceiling	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10075939_0001	*finish*				Dissolved
01 - B	Plaster Ceiling	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10075939_0035	*base*				Dissolved, Crushed
02 - A	Plaster Ceiling	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10075939_0002	*finish*				Dissolved
02 - B	Plaster Ceiling	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10075939_0036	*base*				Crushed, Dissolved
03 - A	Plaster Ceiling	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10075939_0003	*finish*				Crushed
03 - B	Plaster Ceiling	**None Detected**		**100% Quartz**	Gray Non-Fibrous Homogeneous
10075939_0037	*base*				Crushed, Dissolved
04	White Spray-Applied Fireproofing	**None Detected**	**30% Cellulose**	**70% Other**	White Non-Fibrous Homogeneous
10075939_0004					Ashed
05	White Spray-Applied Fireproofing	**None Detected**	**30% Cellulose**	**70% Other**	White Non-Fibrous Homogeneous
10075939_0005					Ashed

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Jalen Moore (37)
Analyst

Approved Signatory

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and
40 CFR, Part 763, Subpart E, App.E

NVLAP LAB CODE 200664-0

Customer: ECS Mid-Atlantic, LLC
14026 Thunderbolt Place
Chantilly, VA 20151

Attn: Zach Harrell

Project: 47:12287-A NMHA Renovations

Lab Order ID: **10075939**
Analysis: PLM
Date Received: 02/21/2025
Date Reported: 02/28/2025

Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
06	White Spray-Applied Fireproofing	**None Detected**	**30% Cellulose**	**70% Other**	White Non-Fibrous Homogeneous
10075939_0006					Ashed
07	Red Penetration Sealant	**None Detected**		**100% Other**	Red Non-Fibrous Homogeneous
10075939_0007					Ashed
08	Red Penetration Sealant	**None Detected**		**100% Other**	Red Non-Fibrous Homogeneous
10075939_0008					Ashed
09	Grey Spray-Applied Fireproofing	**None Detected**	**98% Mineral Wool**	**2% Other**	Gray Fibrous Homogeneous
10075939_0009					Teased
10	Grey Spray-Applied Fireproofing	**None Detected**	**98% Mineral Wool**	**2% Other**	Gray Fibrous Homogeneous
10075939_0010					Teased
11	Grey Spray-Applied Fireproofing	**None Detected**	**98% Mineral Wool**	**2% Other**	Gray Fibrous Homogeneous
10075939_0011					Teased
12	White Duct Insulation Cloth Wrap	**None Detected**	**90% Cellulose**	**10% Other**	White Fibrous Homogeneous
10075939_0012					Ashed
13	White Duct Insulation Cloth Wrap	**None Detected**	**90% Cellulose**	**10% Other**	White Fibrous Homogeneous
10075939_0013					Ashed

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Jalen Moore (37)
Analyst

Approved Signatory

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and
40 CFR, Part 763, Subpart E, App.E

NVLAP LAB CODE 200664-0

Customer: ECS Mid-Atlantic, LLC
14026 Thunderbolt Place
Chantilly, VA 20151

Attn: Zach Harrell

Project: 47:12287-A NMHA Renovations

Lab Order ID: **10075939**
Analysis: PLM
Date Received: 02/21/2025
Date Reported: 02/28/2025

Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
14	White Pipe Insulation Wrap	**None Detected**	**30% Cellulose** **30% Fiber Glass**	**40% Other**	Beige Fibrous Homogeneous
10075939_0014					Ashed
15	White Pipe Insulation Wrap	**None Detected**	**30% Fiber Glass** **30% Cellulose**	**40% Other**	Beige Fibrous Homogeneous
10075939_0015					Ashed
16	White Cementous Wall Cover	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10075939_0016					Crushed, Dissolved
17	White Cementous Wall Cover	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10075939_0017					Dissolved, Crushed
18	White Cementous Wall Cover	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10075939_0018					Dissolved, Crushed
19	Gray Cementous Spray-Applied Fireproofing	**None Detected**	**30% Cellulose**	**70% Other**	Gray Non-Fibrous Homogeneous
10075939_0019					Dissolved
20	Gray Cementous Spray-Applied Fireproofing	**None Detected**	**30% Cellulose**	**70% Other**	Gray Non-Fibrous Homogeneous
10075939_0020					Dissolved
21	Gray Cementous Spray-Applied Fireproofing	**None Detected**	**30% Cellulose**	**70% Other**	Gray Non-Fibrous Homogeneous
10075939_0021					Dissolved

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Jalen Moore (37)
Analyst

Approved Signatory

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and
40 CFR, Part 763, Subpart E, App.E

NVLAP LAB CODE 200664-0

Customer: ECS Mid-Atlantic, LLC
14026 Thunderbolt Place
Chantilly, VA 20151

Attn: Zach Harrell

Project: 47:12287-A NMHA Renovations

Lab Order ID: **10075939**
Analysis: PLM
Date Received: 02/21/2025
Date Reported: 02/28/2025

Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
22	2' x 4' White Ceiling Tile with Pinholes and Small Fissures	**None Detected**	**60% Cellulose** **20% Fiber Glass**	**10% Other** **10% Perlite**	Gray Fibrous Homogeneous
10075939_0022					Ashed
23	2' x 4' White Ceiling Tile with Pinholes and Small Fissures	**None Detected**	**60% Cellulose** **20% Fiber Glass**	**10% Other** **10% Perlite**	Gray Fibrous Homogeneous
10075939_0023					Ashed
24	2' x 4' White Ceiling Tile with Pinholes and Large Fissures	**None Detected**	**60% Cellulose** **20% Fiber Glass**	**10% Perlite** **10% Other**	Gray Fibrous Homogeneous
10075939_0024					Ashed
25	2' x 4' White Ceiling Tile with Pinholes and Large Fissures	**None Detected**	**60% Cellulose** **20% Fiber Glass**	**10% Perlite** **10% Other**	Gray Fibrous Homogeneous
10075939_0025					Ashed
26	Tan Terrazzo Flooring	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10075939_0026					Crushed, Dissolved
27	Tan Terrazzo Flooring	**None Detected**		**100% Other**	White Non-Fibrous Homogeneous
10075939_0027					Crushed, Dissolved
28	CMU Wall Surfacing	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10075939_0028					Dissolved, Crushed
29	CMU Wall Surfacing	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10075939_0029					Dissolved, Crushed

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Jalen Moore (37)
Analyst

Approved Signatory

Scientific Analytical Institute, Inc. 4604 Dundas Dr. Greensboro, NC 27407 (336) 292-3888

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and
40 CFR, Part 763, Subpart E, App.E

NVLAP LAB CODE 200664-0

Customer: ECS Mid-Atlantic, LLC
14026 Thunderbolt Place
Chantilly, VA 20151

Attn: Zach Harrell

Project: 47:12287-A NMHA Renovations

Lab Order ID: **10075939**
Analysis: PLM
Date Received: 02/21/2025
Date Reported: 02/28/2025

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
30	CMU Wall Surfacing	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10075939_0030					Dissolved, Crushed
31	CMU Wall Surfacing	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10075939_0031					Crushed, Dissolved
32	CMU Wall Surfacing	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10075939_0032					Crushed, Dissolved
33	CMU Wall Surfacing	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10075939_0033					Dissolved
34	CMU Wall Surfacing	**None Detected**		**100% Other**	Gray Non-Fibrous Homogeneous
10075939_0034					Dissolved, Crushed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogenous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Jalen Moore (37)
Analyst

Approved Signatory

10075939

Client:	ECS Mid-Atlantic, LLC	***Instructions:***
Contact:	Zach Harrell	*Use Column "B" for your contact info*
Address:	14026 Thunderbolt Place, Suite 100, Chantilly, VA 20151	
Phone:	(703)-471-8400	*To See an Example Click the bottom Example Tab.*
Fax:		
Email:	zharrell@ecslimited.com	***Enter samples between "<<" and ">>" Begin Samples with a "<< "above the first sample and end with a ">>" below the last sample.***
Project:	47:12287-A NMHA Renovations	
Client Notes:	**Positive Stop - Except for Fireproofing**	*Only Enter your data on the first sheet "Sheet1"*
P.O. #.	47:12287-A:84 (AMTS)	*Note: Data 1 and Data 2 are optional fields that do not show up on the official report, however they will be included in the electronic data returned to you to facilitate your reintegration of the report data.*
Date Submitted:	2/19/2025	
Analysis:	PLM EPA 600/R-93/116	
Turnaround Time:	5-day TAT	

Scientific Analytical Institute

4604 Dundas Drive
Greensboro, NC 27407
Phone: 336.292.3888
Fax: 336.292.3313
Email: lab@sailab.com

Sample Number	Data 1	Sample Description	Data 2
<<			
01	HA1	Plaster Ceiling	4606 Collections Storage
02	HA1	Plaster Ceiling	4606 Collections Storage
03	HA1	Plaster Ceiling	4606 Collections Storage
04	HA2	White Spray-Applied Fireproofing	4606 Collections Storage
05	HA2	White Spray-Applied Fireproofing	4606 Collections Storage
06	HA2	White Spray-Applied Fireproofing	4606 Collections Storage
07	HA3	Red Penetration Sealant	BB015
08	HA3	Red Penetration Sealant	BB015
09	HA4	Grey Spray-Applied Fireproofing	BB015
10	HA4	Grey Spray-Applied Fireproofing	BB015
11	HA4	Grey Spray-Applied Fireproofing	Loading Dock
12	HA5	White Duct Insulation Cloth Wrap	CB067
13	HA5	White Duct Insulation Cloth Wrap	CB067
14	HA6	White Pipe Insulation Wrap	CB067
15	HA6	White Pipe Insulation Wrap	CB067
16	HA7	White Cementous Wall Cover	B00M7
17	HA7	White Cementous Wall Cover	B00M7
18	HA7	White Cementous Wall Cover	B00M7
19	HA8	Gray Cementous Spray-Applied Fireproofing	2000M9
20	HA8	Gray Cementous Spray-Applied Fireproofing	2000M9
21	HA8	Gray Cementous Spray-Applied Fireproofing	2000M9
22	HA9	2' x 4' White Ceiling Tile with Pinholes and Small Fissures	4000C10
23	HA9	2' x 4' White Ceiling Tile with Pinholes and Small Fissures	4000C10
24	HA10	2' x 4' White Ceiling Tile with Pinholes and Large Fissures	4000C10
25	HA10	2' x 4' White Ceiling Tile with Pinholes and Large Fissures	4000C10
26	HA11	Tan Terrazzo Flooring	5502V Vestibule
27	HA11	Tan Terrazzo Flooring	5502V Vestibule
28	HA12	CMU Wall Surfacing	4606 Collections Storage
29	HA12	CMU Wall Surfacing	BB015
30	HA12	CMU Wall Surfacing	BB015
31	HA12	CMU Wall Surfacing	30B067
32	HA12	CMU Wall Surfacing	B00M7
33	HA12	CMU Wall Surfacing	1000M9 Electric
34	HA12	CMU Wall Surfacing	2000M9
>>			

BKelly 2/21 11am

Accepted ☒

Rejected ☐

Relinquished By

Received By

Appendix V: Certifications/ Licenses

AEROSOL MONITORING & ANALYSIS, INC.

This is to certify that

ZACHARY DAVID HARRELL

has met the attendance requirements and successfully completed the course entitled

4-HOUR EPA ASBESTOS INSPECTOR REFRESHER

For Accreditation Under TSCA Title II

02/06/2025	02/06/2025	2/6/2026	DAVID TRUMAN	David Truman
Course Date	***Exam Date***	***Expiration Date***	***Principal Instructor***	
AIR02062025-04	VAAIR02062025-04		E. Rush Barnett	E. Rush Barnett
Certification No.	***Virginia Certification No.***		***Course Director***	

1331 Ashton Road P.O.Box 646 Hanover, MD 21076 P: 410-684-3327 F: 410-684-3724

www.amatraining.com

Certificate of Completion

Taylor R. Michelitch

has attended and successfully completed and examination for the course entited

4-Hour Asbestos Inspector Refresher

EPA Approved Under TSCA Title II

January 15, 2024	January 15, 2024	**ECS 24 1006**
Course Date	Examination Date	Certificate Number

14026 Thunderbolt Place
Chantilly, Virginia
Class Location

January 15, 2025
Expiration Date

Robert Rhett
Instructor

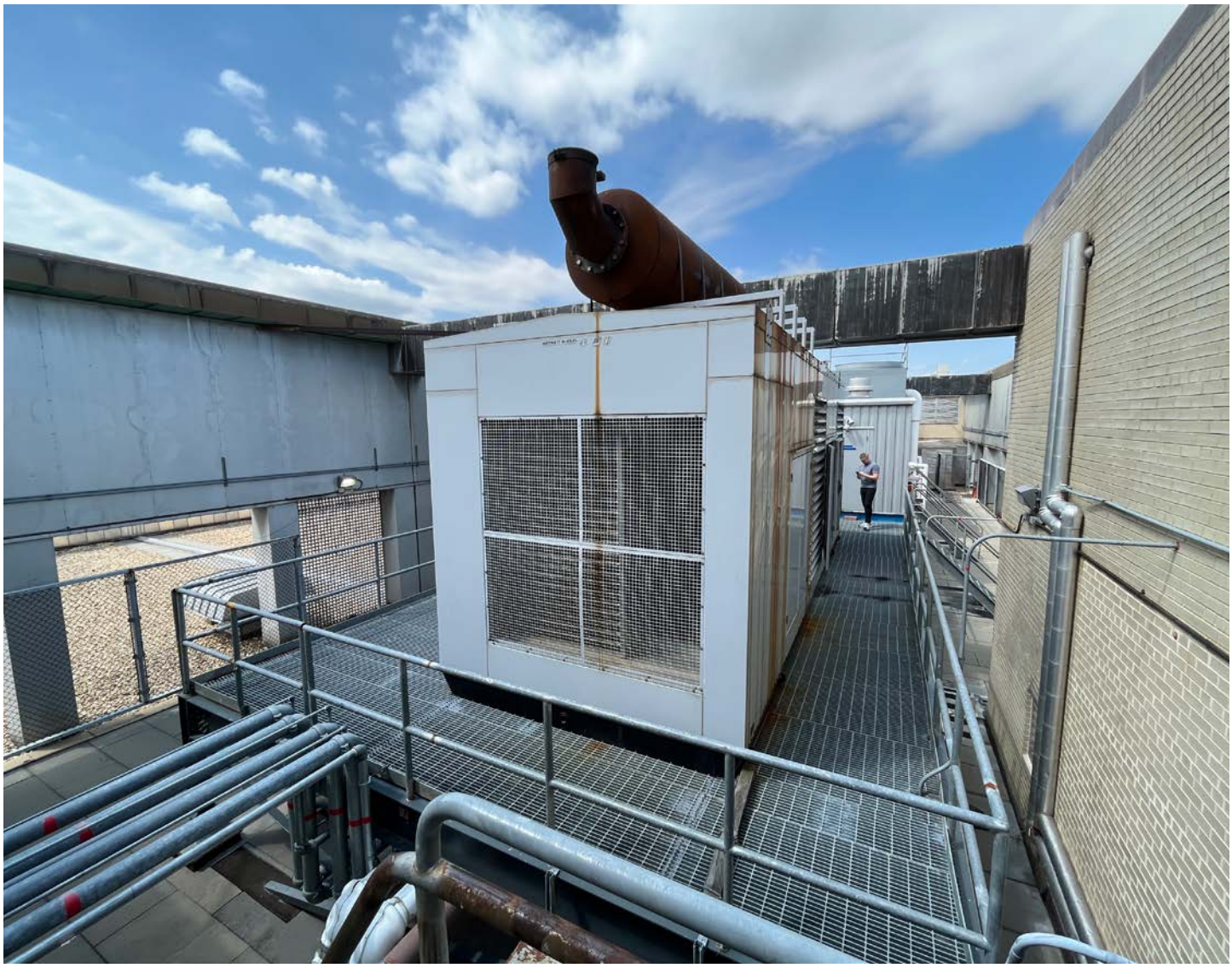
Christopher J. Chapman
Training Manager

ECS Mid-Atlantic, LLC
14026 Thunderbolt Place, Chantilly, Virginia
(703) 471-8400

Smithsonian Institution
National Museum of American History

Project #1803117
Install Emergency Generator

100% CONSTRUCTION DOCUMENTS ECS LIMITED HAZARDOUS MATERIAL SURVEY (DATED FEB 2, 2022)
DEC 1, 2025



Smithsonian Institution

annum

LIMITED HAZARDOUS MATERIALS SURVEY

NATIONAL MUSEUM OF AMERICAN HISTORY

1300 CONSTITUTION AVENUE SW
WASHINGTON, DISTRICT OF COLUMBIA 20560

ECS PROJECT NO. 47:12287

FOR: ANN BEHA ARCHITECTS

FEBRUARY 2, 2022

February 2, 2022

Mr. Ed Rice
Ann Beha Architects
33 Kingston Street
Boston, MA 02111
er@annbeha.com

ECS Project No. 47:12287

Reference: Limited Hazardous Materials Survey, National Museum of American History, 1300 Constitution Avenue SW, Washington, District of Columbia

Dear Mr. Rice:

ECS Mid-Atlantic, LLC (ECS) is pleased to provide Ann Beha Architects with the results of the above referenced Limited Hazardous Materials Survey performed at National Museum of American History located at 1300 Constitution Avenue SW in Washington, District of Columbia. This report summarizes our observations, analytical results, findings, and recommendations related to the work performed. The work described in this report was performed by ECS in general accordance with the Scope of Services described in ECS Proposal Number 47:15383 and the terms and conditions of the agreement authorizing those services.

ECS appreciates this opportunity to provide Ann Beha Architects with our services. If we can be of further assistance to you, please do not hesitate to contact us.

Sincerely,

ECS Mid-Atlantic, LLC

Jennifer Turner
Environmental Scientist
jturner1@ecslimited.com
202-400-2188

Michael Hamill, CIH, CSP
Senior Project Manager
MHamill@ecslimited.com
703-471-8400

EXECUTIVE SUMMARY

The subject property is improved with the National Museum of American History located at 1300 Constitution Avenue SW in Washington, DC. The scope of work was limited to select areas identified by Ann Beha Architects in the east and west mechanical penthouses, special collection rooms 5400, 5006, 5120, and 5604 located on the 5th floor, east and west exterior and central mechanical rooms on the 4th floor, and corridors 4303A, 4000C7, 4000C10, and 4508A. During the survey access to the 5th floor special collections rooms was not granted, therefore those areas were not longer included in the scope of work. No other materials or areas were included in the scope of work. The purpose of the survey was to determine if asbestos-containing materials (ACMs), lead-based paints (LBPs), and universal waste are present within the subject areas.

Based on the laboratory analysis of the bulk samples collected during the survey, the following materials were reported to contain asbestos:

- Tan/Gray Joint Compound associated with drywall in corridor 4000C7
- Black Seam Mastic on HVAC Ductwork in mechanical area 4000M12
- White Residual Insulation on HVAC Ductwork in mechanical area 4000M12

The lead-based paint survey was performed by a District of Columbia licensed Lead Inspector. Painted and/or glazed surfaces were assessed for lead content using a Direct-Read X-Ray Fluorescence (XRF) Spectrometer. Lead-Based Glaze was identified on the following building materials/components:

- Red Metal Beam
- Orange Metal Floor Covering
- Orange Metal Railing
- Dark Gray Metal Door Casing
- Black Metal Beam

In addition to survey for ACMs and LBPs, ECS surveyed the building for various materials classified as Hazardous Waste or Universal waste which may require special handling or disposal if removed from the building which is referenced below:

- Fluorescent Lamps and Light Ballasts
- Suspect Lead-Acid Batteries in Emergency Exits and other Electrical Components
- Suspect Mercury-Containing Thermostats
- Refrigerants in Water Fountains and Fire Extinguishers
- Oil-Waste Cans

Recommendations regarding the removal and disposal of the ACMs, LBPs, and universal and hazardous wastes identified by ECS can be found in Section 5.0 of this report. The executive summary is an integral portion of this report, however, ECS recommends the report be read in its entirety.

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Appendix VII: Certifications/Licenses

1.0 SITE DESCRIPTION

The subject property is improved with the National Museum of American History located at 1300 Constitution Avenue SW in Washington, DC. The scope of work was limited to select areas identified by Ann Beha Architects in the east and west mechanical penthouses, special collection rooms 5400, 5006, 5120, and 5604 located on the 5th floor, east and west exterior and central mechanical rooms on the 4th floor, and corridors 4303A, 4000C7, 4000C10, and 4508A. During the survey access to the 5th floor special collections rooms was not granted, therefore those areas were not longer included in the scope of work. No other materials or areas were included in the scope of work.

The building consists of interior finishes generally consisted of concrete masonry unit (CMU) walls in mechanical areas, gypsum wallboard, and plaster walls in corridors; flooring materials including ceramic floor tiles and unfinished concrete areas, corrugated metal ceilings in mechanical area and drop-down ceiling tiles in corridors.

2.0 PURPOSE

The purpose of the Limited Hazardous Materials Survey was to identify asbestos-containing materials (ACMs), lead-based paint (LBP), and universal waste and suspect liquid poly-chlorinated biphenyl (PCB) containing equipment in fixtures which may require special handling and/or disposal if removed during construction activities. The identification of ACMs may require trained labor, regulated work practices, and special disposal. The identification of LBP or other lead hazards may require disclosure to contractors and monitoring of lead exposure. The identification of other regulated materials such as universal waste may require personal protective equipment, training, special handling, packaging, and disposal.

3.0 METHODOLOGY

ECS performed the authorized Scope of Services in general accordance with our proposal, standard industry practice(s) and methods specified by regulation(s) for the identification of Asbestos-Containing Materials (ACMs), Lead-Based Paints (LBPs), universal waste, and suspect liquid PCB-containing equipment and fixtures.

3.1 Asbestos-Containing Materials

The non-destructive asbestos survey was performed by asbestos inspectors who have received EPA accredited training. Samples of suspect ACMs were collected utilizing hand tools and placed into individual, labeled plastic bags. Unique bulk suspect ACM samples were submitted to Scientific Analytical Institute, Inc. in Greensboro, North Carolina for analysis via Polarized Light Microscopy (PLM) in accordance with current EPA-600 methodology. Materials consisting of additional layers were analyzed separately. Scientific Analytical Institute, Inc. is listed as an accredited laboratory by the National Voluntary Laboratory Accreditation Plan (NVLAP) managed by the National Institute of Standards and Technology (NIST) for bulk sample analysis by currently approved EPA methodology by PLM.

During the survey, ECS attempted to identify suspect ACMs in readily accessible areas. However, due to the destructive means required to identify some materials, certain areas were deemed inaccessible (i.e. behind walls or sub grade materials) and were not surveyed for suspect ACMs. Due to the non-destructive nature of the survey no wall chases were explored. At the time of the survey accesses to rooms 5400, 5006, 5120, and 5604 located on the 5th floor was not granted. Unidentified suspect ACMs may be located in these and/or other inaccessible areas.

Samples were collected in general accordance with EPA Standard 40 CFR 763 Subpart E, Asbestos Hazard Emergency Response Act (AHERA) and OSHA Standard 29 CFR 1926.1101 Inspection Protocol. Multiple samples of each unique material were submitted. Samples were analyzed using "Positive Stop" methodology. If one sample of a homogeneous material is reported to contain asbestos, the remaining samples of that material are not analyzed. EPA regulations stipulate that if one sample contains asbestos the entire quantity of that material contains asbestos, regardless of additional analysis.

3.2 Lead in Paint and Surface Coatings

The Lead-Based Paint (LBP) survey was performed by a District of Columbia licensed Lead Inspector using a X-Ray Fluorescence (XRF) Spectrometer to identify lead concentrations in painted and glazed surfaces.

The survey was conducted utilizing the U.S. EPA definition of LBP. Under this definition, painted surfaces which contain lead in concentrations equal to or greater than 1.0 milligrams per square centimeter ($\geq$ 1.0 mg/cm^2) are classified as coated with LBP. Paints with concentrations of lead detectable by the XRF are considered lead-containing paints. Additionally, fixtures or components that are manufactured with a factory applied glazing (i.e., sinks, toilets, ceramic tiles, etc.) are tested as these factory-applied finishes often contain lead. Activities which disturb lead-containing paints and glazing (while not lead-based paints by the U.S. EPA definition) are regulated by OSHA (29 CFR 1926.62).

Because the current or proposed use of the property is not residential or child-occupied, the scope of the LBP survey was not conducted in accordance with HUD Chapter 7 requirements. This representative survey included taking readings from walls, windows, doors, and miscellaneous components. Walls are listed by letter with wall "A" being the entrance of the subject building, proceeding clockwise to "B, C, D", etc.

3.3 Universal Waste and Suspect Liquid PCB-Containing Equipment

ECS performed a visual survey of within the subject areas for the presence of universal waste materials and suspect liquid PCB-containing equipment. ECS entered the accessible areas to identify universal waste materials including batteries, stored pesticides, mercury-containing equipment and lamps. Additionally, lamp ballasts suspected of containing PCBs and lead-containing equipment were documented if observed.

No sampling or other characterization was performed as part of this scope of service. Additionally, ECS did not access any energized electrical equipment or other equipment/devices which were in use or that may pose a hazard to ECS personnel or building occupants.

4.0 RESULTS

The following is a summary of laboratory results, findings and observations.

4.1 Asbestos-Containing Materials

An Asbestos-Containing Material (ACM) is defined as any material containing more than one percent (>1%) asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763, Section 1, PLM. Materials are categorized by the U.S. EPA in the following categories:

- Friable ACMs are defined as any ACM that, when dry, can be crumbled, pulverized or reduced to powder by hand pressure. Non-friable ACMs are defined as any ACM that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure.
- Category I non-friable ACM are listed as following: packings, gaskets, resilient floor coverings, and asphalt roofing products containing more than one percent (>1%) asbestos.
- Category II non-friable ACM are listed as any material, excluding Category I non-friable ACM, containing more than one percent (>1%) asbestos.

Regulated Asbestos Containing Materials (RACM) are friable ACM or non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading or has crumbled, been pulverized, or reduced to powder in the course of renovation and/or demolition operations.

Scientific Analytical Institute, Inc. submitted a signed final laboratory report to ECS on January 12 & 13, 2022. 5 of the bulk samples submitted for analysis were reported to contain asbestos in detectable concentrations. These materials are summarized below. A complete list of the sampled materials submitted for analysis and sample locations are located in the Appendix of this report. Additional details regarding the overall locations of the materials identified as asbestos-containing are provided further in the report. Photographs of collected samples reported as asbestos-containing are also located in the Appendix of this report.

In total, 218 bulk samples from 94 homogeneous areas were submitted to the laboratory of which 233 layers were analyzed.

Summary of Asbestos-Containing Materials Identified

Location	Material Description	Analytical Results	Category	Estimated Quantity
Corridor-4000C7	Tan/Gray Joint Compound	2% Chrysotile	Category II Non-Friable (RACM)	1,000 SF
Space within Mechanical Room-4000M12	Black Seam Mastic on HVAC Ductwork	5% Chrysotile	Category II Non-Friable	160 SF (Additional quantities assumed present outside scope of work)

Location	Material Description	Analytical Results	Category	Estimated Quantity
Space within Mechanical Room-4000M12	Damage White Residual Insulation Debris on HVAC Ductwork	40% Chrysotile	Friable	160 SF (Additional quantities assumed present outside scope of work)
Notes: Locations listed above are based on the presumed extent of the identified materials and the survey performed in accessible areas of the building Estimated quantities are for informational purposes and should be verified prior to bidding LF = Linear Feet; SF = Square Feet; EA = Each				

Wall Systems:

In the areas of the scope of work ECS collected joint compound samples from corridors 4000C7, 4303A, 4000C10, 4508A, and mechanical room 4000M3. A tan/gray joint compound collect from corridor 4000C7 was found to contain asbestos. A white joint compound associated with plaster wall was collected from the same area and was not found to contain asbestos. At this time, ECS estimates approximately 1,000 square feet of asbestos-containing tan/gray joint compound is located within the corridor of 4000C7. Joint compound samples collected from other areas of the building were not reported to contain asbestos. Note that the wall systems in the mechanical rooms primarily consisted of CMU block walls.

ECS recommends that the drywall and asbestos-containing joint compound be classified as Category II Non-Friable ACMs by the Environmental Protection Agency (EPA). Drywall and asbestos-containing joint compound should also be considered Regulated Asbestos Containing Materials (RACMs). RACMs are friable ACMs or Category I non-friable ACM that has become friable or Category II non-friable ACM that has a high probability of becoming crumbled. pulverized, or reduced to powder by demolition or renovations operations. RACMs should be removed prior to renovation of demolition.

HVAC Systems:

In mechanical area 4000M12 a white residual insulation was reported to contain asbestos. This white residual HVAC insulation was observed on the outside of HVAC ductwork. leading to the floor below in the east central mechanical room. The insulation was severely damaged and likely contamination is located below duct work. ECS estimates approximately 160 square feet of asbestos-containing white residual HVAC insulation is located in the area with in the scope of work, additional quantities of the material are assumed outside the scope of work.

In mechanical area 4000M12 a black seam mastic was reported to contain asbestos. The samples were mislabeled during sampling and lab analysis as "black mastic on TSI wrap", upon further review this material is was located on the seam of HVAC ductwork. This black seam mastic was observed on the outside of HVAC ductwork. leading to the floor below in the east central mechanical room. ECS

estimates approximately 160 square feet of asbestos-containing black seam mastic is located in the area with in the scope of work, additional quantities of the material are assumed outside the scope of work.

4.2 Suspect or Assumed Asbestos-Containing Materials

Due to the inaccessibility or the destructive means that asbestos sampling requires, additional suspect ACMs may remain within the building hidden behind inaccessible areas that include, but are not limited to, sub-grade walls, structural members, topping slabs, sub-grade sealants, flooring located below underlayment's, areas behind exterior walls, pipe trenches, and subsurface utilities, etc. These areas were deemed inaccessible and were not assessed.

If these materials are discovered during construction activities, they should be presumed to contain asbestos and be treated as ACMs or be sampled immediately upon discovery and prior to disturbance for asbestos content by a certified asbestos inspector in accordance with 29 CFR 1926.1101.

Based upon our past experience in the identification of ACMs in similarly constructed buildings, the following additional suspect ACMs may also be located in inaccessible areas of the structure:

- Fire doors
- Pipe flange gaskets
- Thermal System Insulation (TSI) on pipes with chases behind walls and above ceilings, different than those materials tested
- Waterproofing and Membrane/Mastics/vapor barriers within wall cavities, and behind interior finishes
- Electrical Panels Asbestos Cement Components in electrical systems
- Pin Mastic on duct work
- Duct Seam Mastic (other than those tested)

4.3 Lead in Paint and Surface Coatings

Paint and surface coatings which contain detectable concentrations of lead considered “lead-containing paints”. Since OSHA has no specific action level for lead in paint, all paint on the site found to have a measurable concentration of lead should be assumed to be lead containing. Work performed which may disturb lead-containing paint is regulated under OSHA as referenced under 29 CFR 1926.62. A total of [164] readings were collected during the survey, including calibration readings. Paint and other surface coatings which are defined by applicable regulation as lead-based paints are summarized in the table below and photographs of lead-based paint identified are located in the Appendix.

The following types of materials were found to contain detectable concentrations of lead:

Summary of XRF Lead-Based Paint Results

Location	Color	Substrate	Component
East Penthouse-PH2603	Red	Metal	Beam

Location	Color	Substrate	Component
West Penthouse-PH2602	Orange	Metal	Floor Covering
West Penthouse-PH2602	Orange	Metal	Railing
West Penthouse-PH2602	Dark Gray	Metal	Door Casing
West Central Mechanical Room-4000M2	Black	Metal	Beam

4.3.1 Lead-Containing Paints and Surface Coatings

The following components were identified as lead-containing throughout the building:

- Metal Door Casings
- Metal Stair Railing
- Metal Beams
- Gypsum Walls
- Metal Walls
- Plaster Walls
- Concrete Foundation
- Concrete Floor

4.4 Universal Waste and Liquid Suspect PCB-Containing Equipment

The disposal of fixtures and equipment in buildings which contain various substances such as mercury or lead are regulated by local, state, and federal regulation. Collectively most mercury-containing materials and batteries which may contain lead, along with stored pesticides are classified as "Universal Waste". The disposal of lamp ballasts and electrical transformers which contain suspect PCB-containing oils is also regulated at the state and federal level.

4.4.1 Suspect Polychlorinated Biphenyl (PCB) Containing Ballasts and Equipment

Polychlorinated biphenyls (PCBs) are toxic coolants or lubricating oils used in some electrical transformers and capacitors, hydraulically-operated equipment, light ballasts, and other similar equipment.

As part of our survey, ECS attempted to identify potential liquid PCB containing materials and equipment. At the time of the Limited Hazardous Materials Survey, ECS visually observed several of the fluorescent light ballasts in accessible areas of the structure in an attempt to identify labeling indicating the presence/absence of PCB containing fluids. Labeling was not observed or accessible on the ballasts surveyed.

At this time, it is recommended that all ballasts be assumed to be suspect PCB-containing. Approximately 400 fluorescent lamps were observed, and approximately 200 light ballasts were observed.

4.4.2 Mercury-Containing Components

The EPA classifies mercury as both hazardous and toxic. The survey included observations for equipment which could contain mercury, such as thermostats, transformers, fluorescent lamps, and switch-containing devices.

As previously discussed, fluorescent lamps were observed. The fluorescent lamps may contain small quantities of mercury.

4.4.3 Batteries

Lead-acid batteries located in emergency lamps, exit signs, alarm panels and associated with electrical components, etc. were observed or are assumed to be present. No evidence of leaking or damage was observed.

4.4.4 Pesticides

No pesticides were observed at the subject property.

4.4.5 Other Materials Observed

ECS observed oil waste cans were observed in all mechanical rooms during the time of the survey. No evidence of leaking or damage to the cans was observed. Water fountains, and fire extinguishers were also observed which may contain Freon or other refrigerants.

5.0 RECOMMENDATIONS AND REGULATORY REQUIREMENTS

Based on our understanding of the purpose of the Limited Hazardous Materials Survey, the results of laboratory analysis, and our findings and observations, ECS presents the following recommendations.

5.1 Asbestos-Containing Materials

ECS recommends where a material type has been identified as asbestos-containing that other materials with similar color, texture, age and size throughout the building's interior and exterior be assumed to contain asbestos. Please refer to Section 4.1 for a complete list of building materials that were reported positive for asbestos and to Section 4.2 for materials that were assumed to contain asbestos.

If identified or assumed ACM could be impacted by planned activities sufficient to cause them to become regulated, abatement by a District of Columbia-licensed asbestos abatement contractor will likely be required. Note that the District of Columbia and the EPA requires 10 working days notice prior to abatement of regulated asbestos-containing materials (RACMs). Building Owners, or designated representatives, must inform occupants not less than 30 days prior to the commencement of asbestos abatement. Requests for a waiver from this requirement must be submitted in writing to DOEE. Except in emergency situations, notices of asbestos abatement work must be posted at least 3 days before work commences (3-day Asbestos Project Notice). Notices must be posted immediately outside all entrances and exits from the work site of asbestos abatement.

If ACMs are to be removed, it is recommended that an industrial hygienist monitor the project. This involves collecting air samples from within and outside abatement work areas to monitor the asbestos abatement contractor's work practices over the course of the project. The industrial hygienist should evaluate if the asbestos abatement work is in accordance with project specifications, U.S. EPA regulation 40 CFR Part 61-National Emission Standards for Hazardous Air Pollutants Subpart M: National Emission Standard for Asbestos, and U.S. Occupational Safety and Health Administration (OSHA) regulation 29 CFR 1926.1101 – Asbestos in Construction. The industrial hygienist should assess each work area to monitor the removal of ACMs. Only after the industrial hygienist has determined the identified ACMs have been removed should final clearance air samples be collected (if necessary).

Suspect ACMs not observed due to inaccessibility or not sampled due to the destructive means that sampling would require may also be encountered during construction activities. At the time of the survey, only limited destructive means were used to locate or sample suspect ACMs; therefore, additional suspect ACMs may remain within inaccessible areas that include, but are not limited to, [sub-grade walls, structural members, topping slabs, exterior areas, sub-grade sealants, flooring located below underlayments, vapor barriers, pipe trenches and other subsurface utilities, etc.] If additional suspect ACMs are uncovered which were not accessible during this survey, it is recommended that these materials either be assumed to contain asbestos or be sampled prior to disturbance upon discovery for asbestos content by an asbestos inspector in accordance with 29 CFR 1926.1101.

Should any identified ACM remain in place, ECS recommends the development and implementation of a site-specific Asbestos Operations and Maintenance Plan detailing routine maintenance and repair operations, contractor notification procedures, and all other requirements under OSHA – reference 29 CFR 1926.1101.

5.2 Lead in Paint and Surface Coatings

Based on the findings of the lead survey, detectable concentrations of lead were identified on some paints and surface coatings.

The presence of lead is a concern primarily when conditions exist where it may be inhaled or ingested. Regardless of the analytical results of a material, all painted and/or glazed surfaces may still contain concentrations of lead in the paint, which when disturbed, may generate lead dust greater than the Permissible Exposure Limit (PEL) of 50 micrograms per cubic meter (ug/m3) as an 8-hour Time Weighted Average (TWA) established by the OSHA "Lead Exposure in Construction Rule (29 CFR 1926.62)."

The OSHA standard gives no guidance on acceptable levels of lead in paint at which no exposure to airborne lead (above the action level) would be expected. Rather, OSHA defines airborne concentrations, and references specific types of work practices and operations from which a lead hazard may be generated (reference 29 CFR 1926.62, section d). Environmental and personnel monitoring should be conducted during any removal/demolition process (as appropriate) to verify that actual personal exposures are below the Permissible Exposure Limit (PEL) of 50 micrograms

per cubic meter (µg/m^3) as an 8-hour Time Weighted Average (TWA). Under OSHA requirements, the contractor performing renovation work will be required to conduct this monitoring and follow applicable requirements under 29 CFR 1926.62 if disturbing lead-containing paint.

While it is not required that lead-based paint be removed prior to demolition, the demolition of structures containing lead-based paints may be subject to a lead-activity permit issued by the District Department of Energy and Environment if the demolition project is within 100 feet of a child-occupied facility.

5.3 Universal Waste and Liquid PCBs in Equipment

Fluorescent lamp ballasts manufactured prior to 1979 may contain small quantities of PCBs. Additionally, regardless of "PCB labeling," ballasts produced between 1980 and 1991 may contain di-ethyl hexyl phthalate (DEHP) which is classified as a potential carcinogen by the EPA. Additionally, DEHP contamination on Superfund sites is common and responsible parties are subject to liability under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) should cleanup of DEHP be necessary. ECS recommends that all ballasts suspected to contain PCBs be properly recycled or disposed of in accordance with US EPA and regulations. In practice many ballasts lacking the "No-PCBs" label have been removed from buildings as part of routine maintenance; however, inspection of each ballast by the contractor performing removal is still recommended to ensure proper disposal into the proper waste stream.

ECS recommends that fluorescent lamp tubes/bulbs suspected to contain mercury be properly recycled or disposed of in accordance with EPA and District of Columbia regulations. Recycling is the most environmental friendly means of disposal for these materials. Fluorescent lamps may be disposed as universal waste if they remain unbroken during removal. If bulbs are crushed or broken prior to disposal, they are classified as hazardous waste by the EPA.

The disposal of universal waste and lamp ballasts must be performed in a manner by which the individual wastes are segregated and disposed of properly as required by federal regulations. If any of these materials are observed to be leaking or otherwise damaged prior to disposal they must be disposed of as hazardous waste in accordance with EPA regulations. Handling, packaging, labeling, and disposal of hazardous materials should be performed in accordance with EPA and Department of Transportation regulations.

Generators of universal and hazardous waste must obtain an EPA Generator ID number in order to dispose of these materials.

6.0 LIMITATIONS

The conclusions and recommendations presented within this report are based upon a reasonable level of assessment within normal bounds and standards of professional practice for a site in this particular geographic setting. ECS is not responsible or liable for the discovery and elimination of hazards that may potentially cause damage, accidents, or injuries.

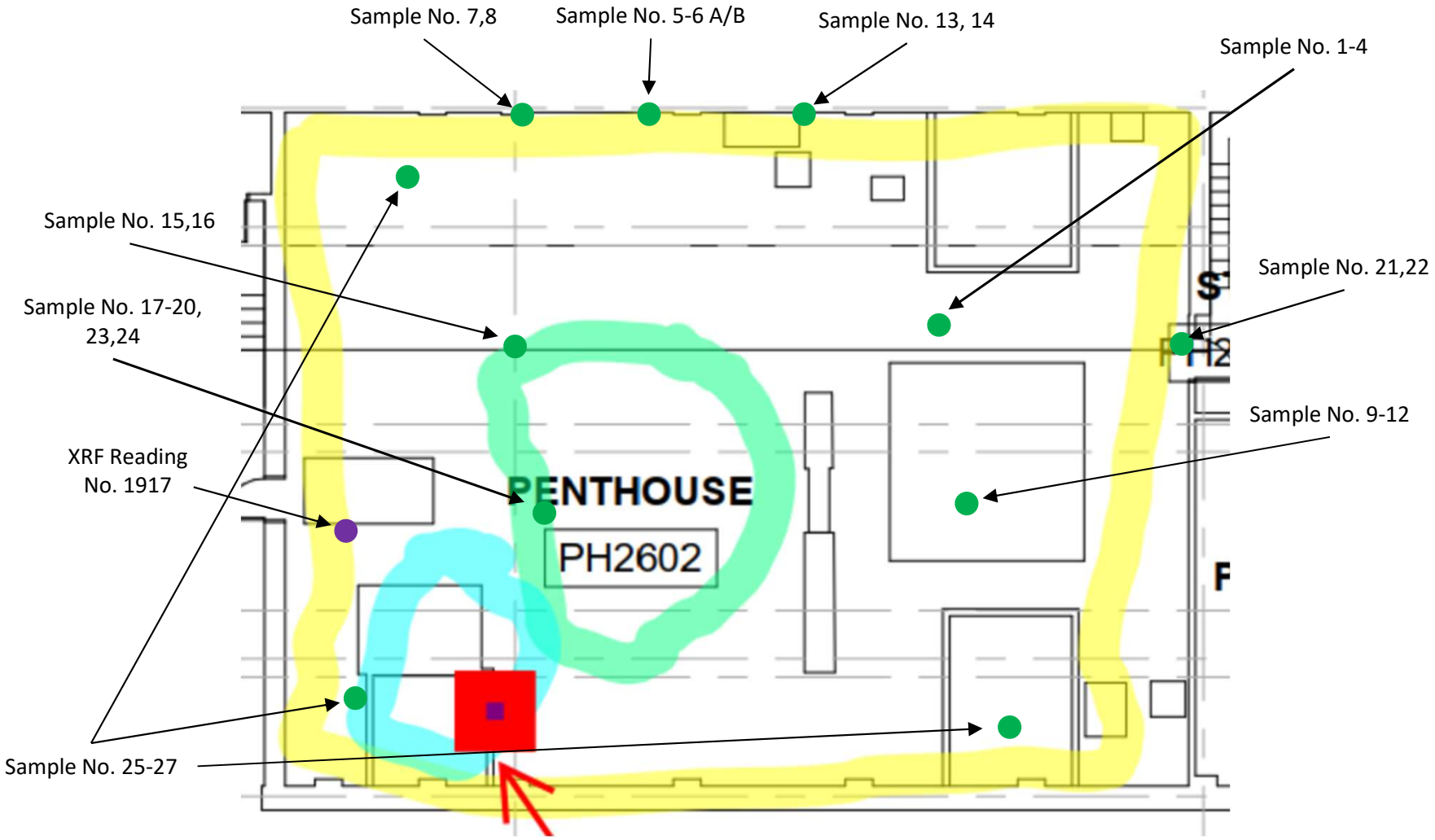
The observations, conclusions, and recommendations pertaining to environmental conditions at the subject site are necessarily limited to conditions observed, and/or materials reviewed at the time this study was undertaken. No warranty, expressed or implied, is made with regard to the conclusions

and recommendations presented within this report. This report is provided for the exclusive use of the client. This report is not intended to be used or relied upon in connection with other projects or by other unidentified third parties without the written consent of ECS and the client.

Our recommendations are in part based on federal, state, and local regulations and guidelines. ECS does not assume the responsibility of the person(s) in charge of the site, or otherwise undertake responsibility for reporting to any local, state, or federal public agencies, any conditions at the site that may present a potential danger to public health, safety, or the environment. Under this scope of services, ECS assumes no responsibility regarding any response actions initiated as a result of these findings. General compliance with regulations and response actions are the sole responsibility of the Client and should be conducted in accordance with local, state, and/or federal requirements.

During this study, samples were submitted for analysis at an accredited laboratory via polarized light microscopy. As with any similar survey of this nature, actual conditions exist only at the precise locations from which samples were collected. Certain inferences are based on the results of this sampling and related testing to form a professional opinion of conditions in areas beyond those from which the samples were collected. No warranty, expressed or implied, is made.

Appendix I: Drawings



National Museum of American History
1300 Constitution Avenue NW
Washington, DC 20506

East Penthouse Mechanical Room PH1602 Sketch

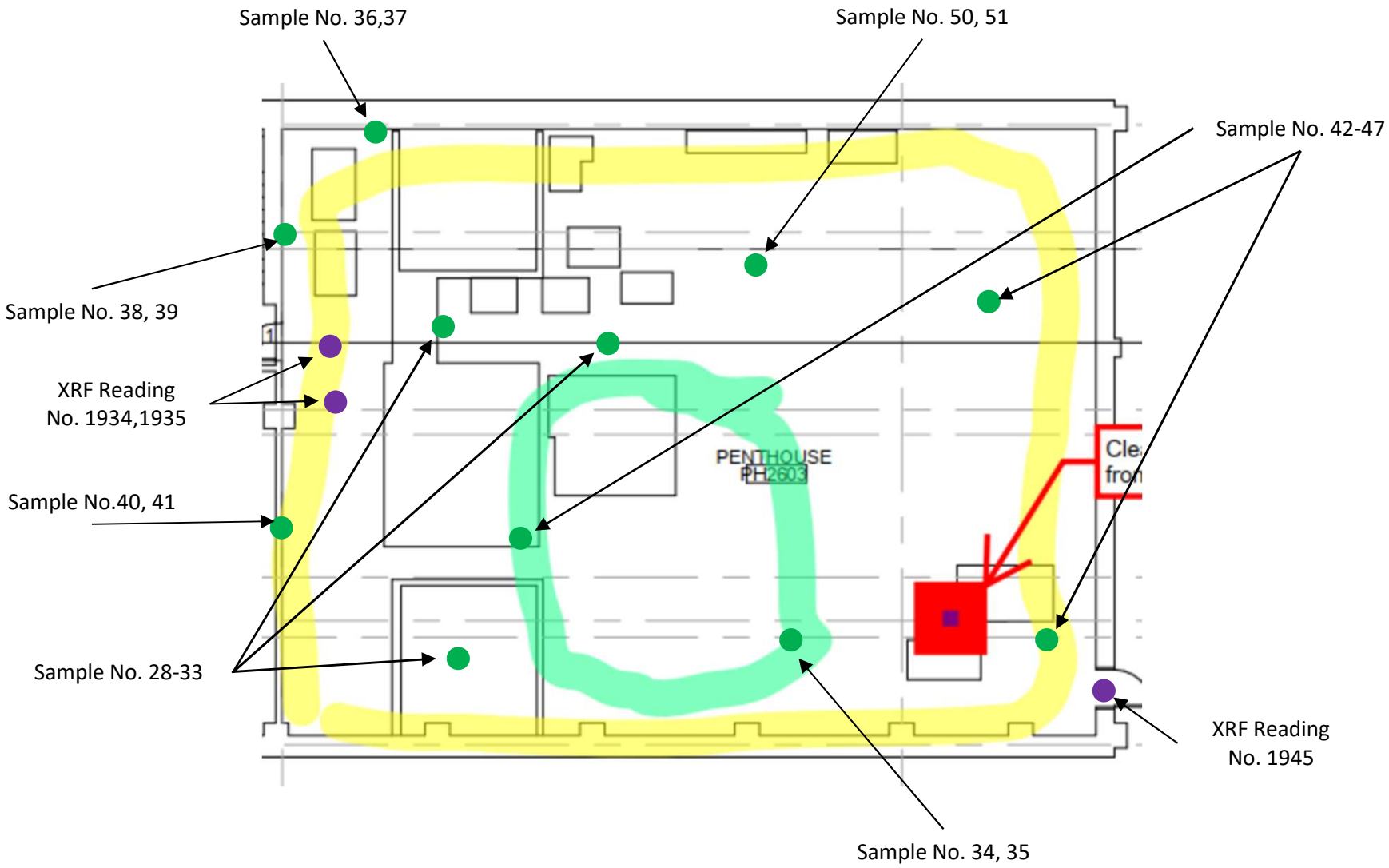
Legend

- = Non Asbestos-Containing Materials Sample Location
- = Asbestos-Containing Materials Sample Location
- = Lead-Based Paint Sample Location

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Project No. 47:12287

Date 12/15/21 & 12/21/21



National Museum of American History
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West Penthouse
Mechanical Room
PH1603 Sketch

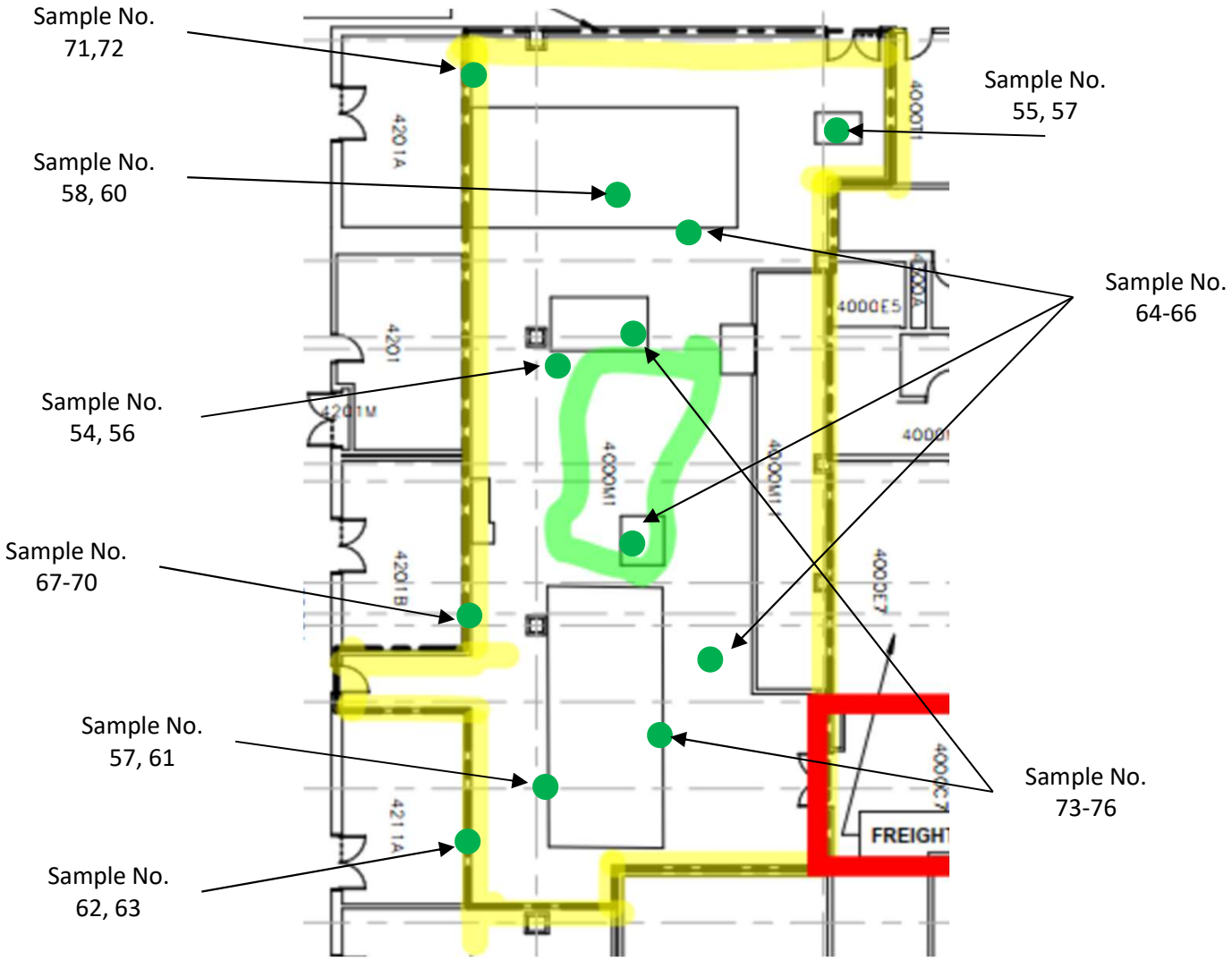
Legend

- = Non Asbestos-Containing Materials Sample Location
- = Asbestos-Containing Materials Sample Location
- = Lead-Based Paint Sample Location

SCALE NTS

Project No. 47:12287

Date 12/15/21 & 12/21/21



Legend

- = Non Asbestos-Containing Materials Sample Location
- = Asbestos-Containing Materials Sample Location
- = Lead-Based Paint Sample Location

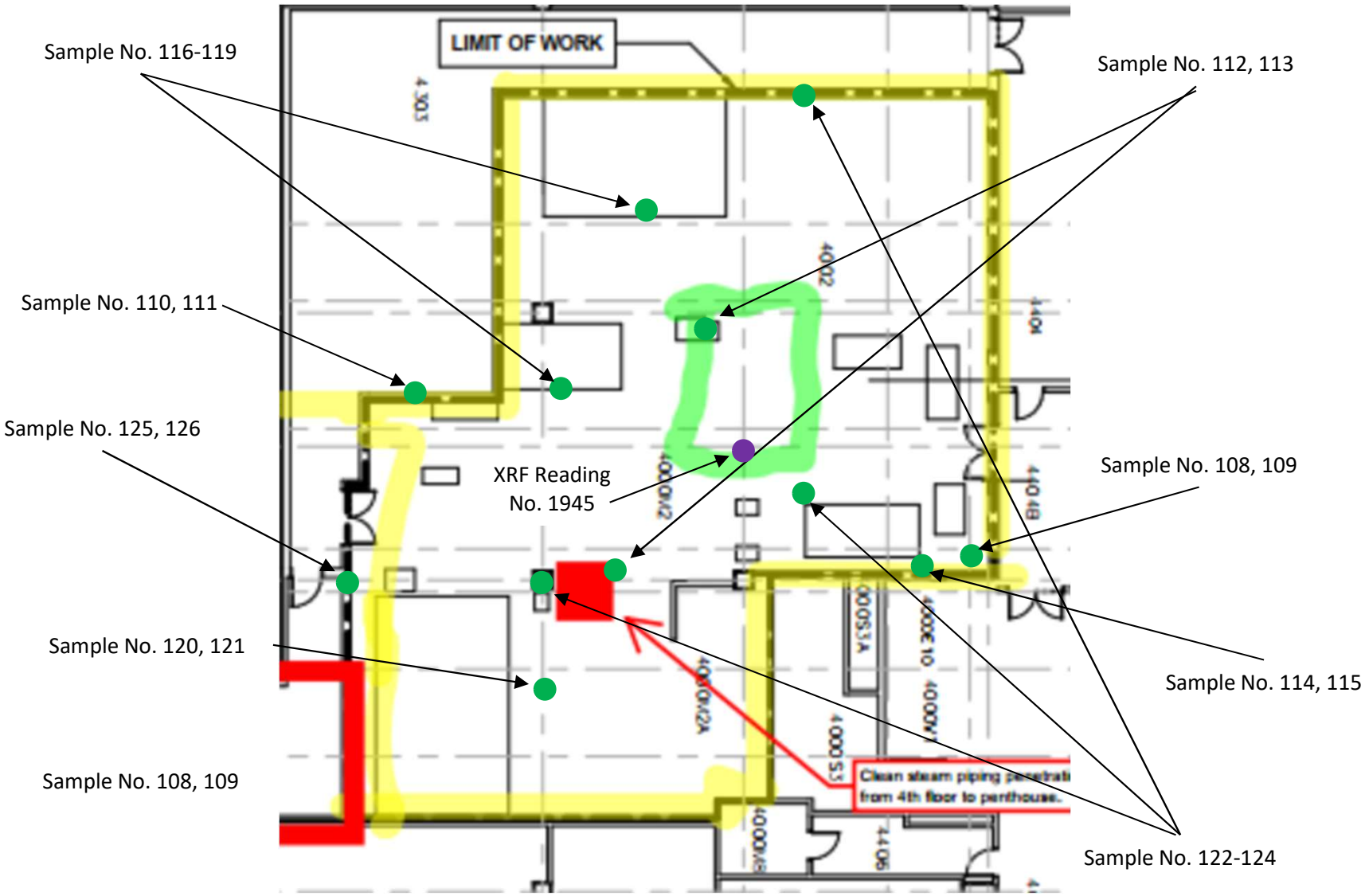
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West Exterior
Mechanical Room
4000M1 Sketch

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Project No. 47:12287

Date 12/15/21 & 12/21/21



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West Interior 4th Floor Mechanical Room 4000M2 Sketch

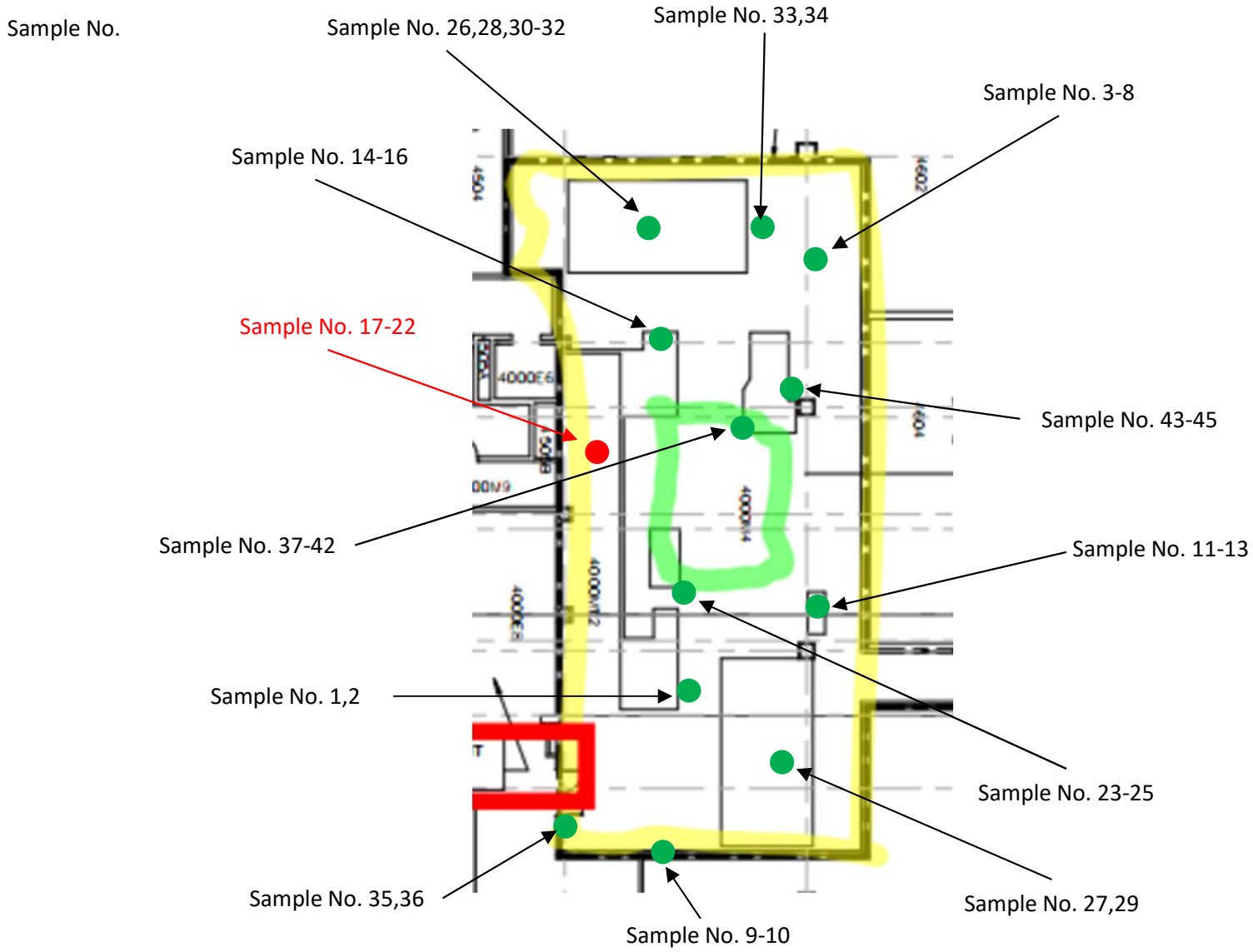
Legend

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- = Asbestos-Containing Materials Sample Location
- = Lead-Based Paint Sample Location

SCALE NTS

Project No. 47:12287

Date 12/15/21 & 12/21/21



Legend

- = Non Asbestos-Containing Materials Sample Location
- = Asbestos-Containing Materials Sample Location
- = Lead-Based Paint Sample Location

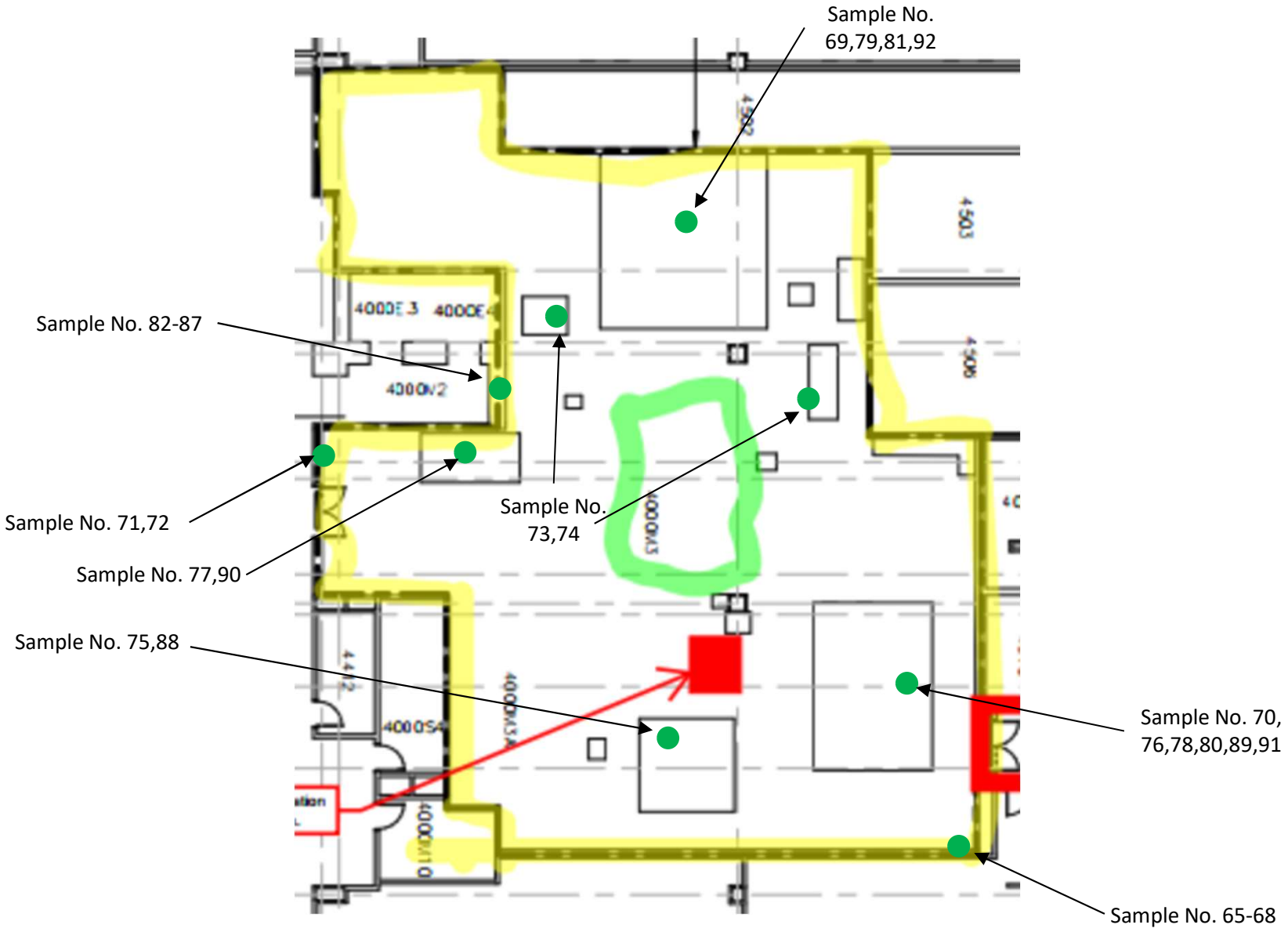
National Museum of American History
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Washington, DC 20506

East Exterior 4th Floor Mechanical Room 4000M4 & 4000M12 Sketch

SCALE NTS

Project No. 47:12287

Date 12/15/21 & 12/21/21



Legend

- = Non Asbestos-Containing Materials Sample Location
- = Asbestos-Containing Materials Sample Location
- = Lead-Based Paint Sample Location

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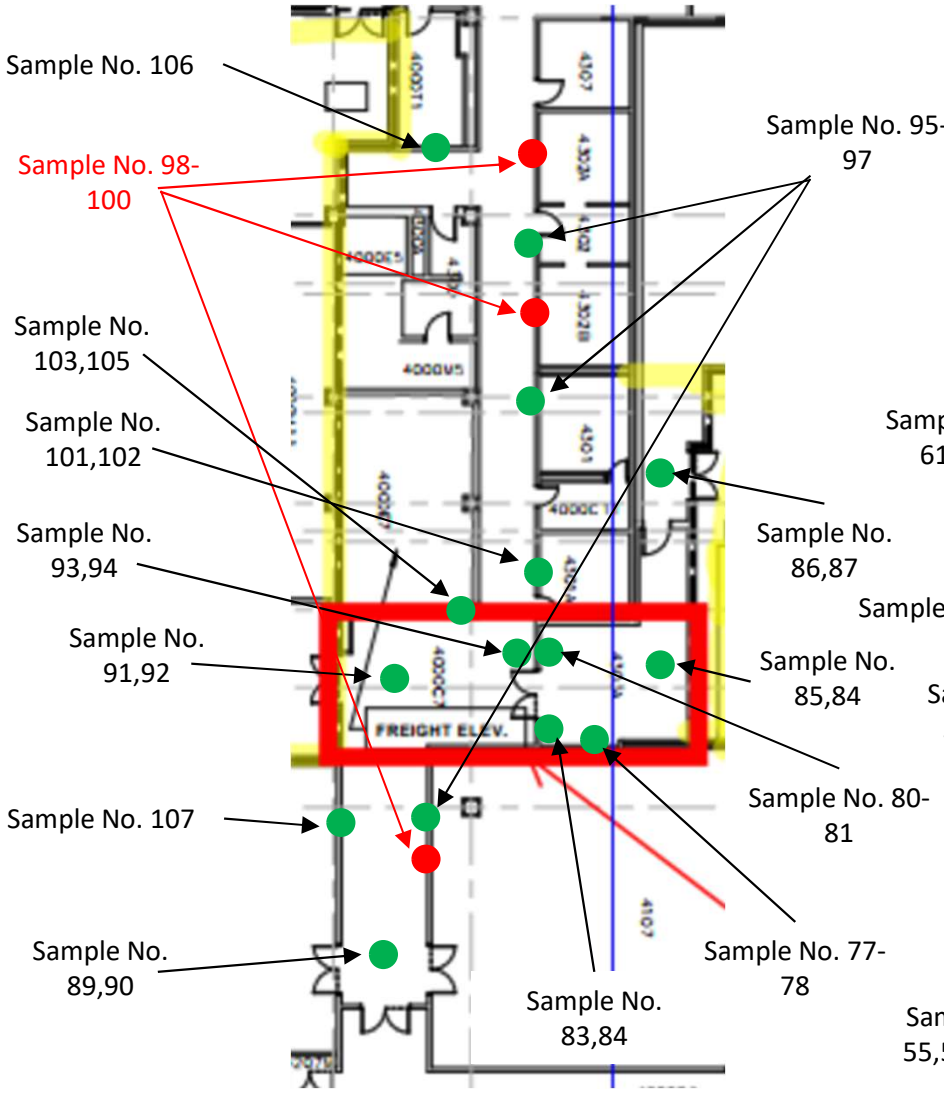
East Interior 4th Floor Mechanical Room 4000M3 Sketch

SCALE NTS

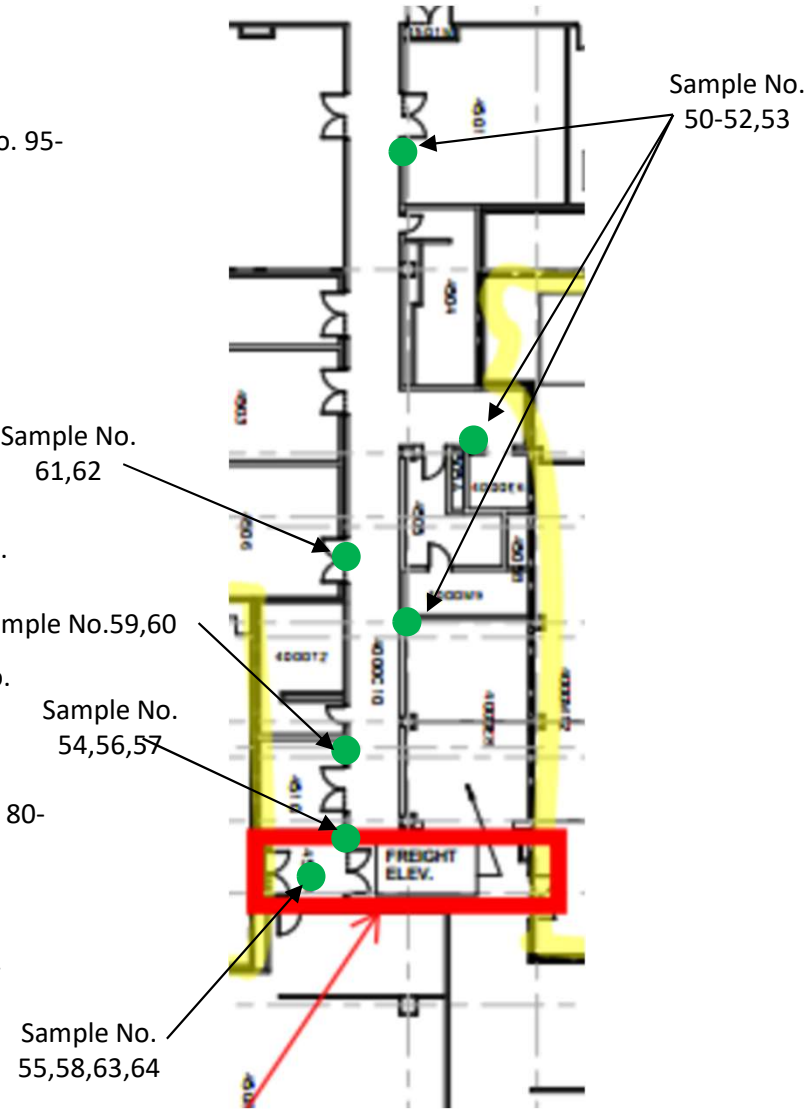
Project No. 47:12287

Date 12/15/21 & 12/21/21

4000C7 & 4303A



4000C10 & 4508A



Legend

- = Non Asbestos-Containing Materials Sample Location
- = Asbestos-Containing Materials Sample Location
- = Lead-Based Paint Sample Location

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Corridors: 4303A, 4000C7, 4000C10, & 4508A Sketch

SCALE NTS

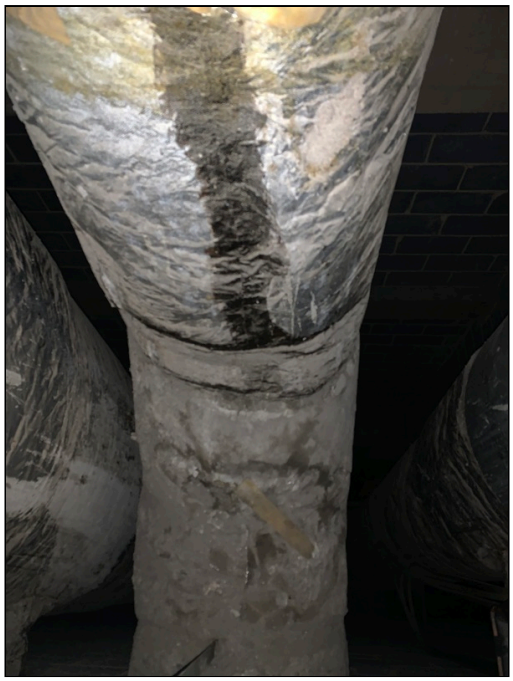
Project No. 47:12287

Date 12/15/21 & 12/21/21

Appendix II: Site Photographs



1 - View of asbestos- containing black mastic on HVAC duct work, samples No. 17



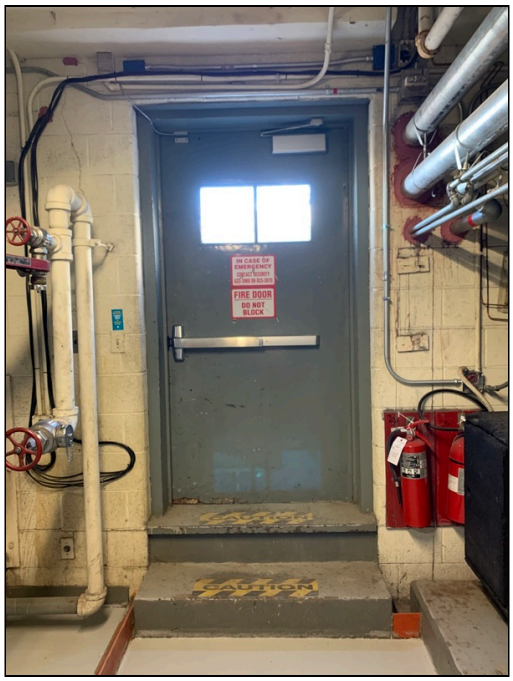
2 - View of asbestos-containing white residual insulation of HVAC duct work, sample No. 20



3 - View of lead-based paint red beam in east penthouse, reading No. 1917



4 - View of lead-base paint orange floor cover and railing in west penthouse, reading No. 1934 &1935



5 - View of lead-based paint gray door casing in west penthouse, reading No. 1945



6 - View of lead-based paint black beam in west central mechanical room, reading No. 2000

Appendix III: Asbestos Bulk Sample Results

TABLE

SUSPECT ASBESTOS-CONTAINING MATERIALS BULK SAMPLING RESULTS

Sample #	Sampling Location	Material/Description	Analytical Results
		East Penthouse- PH2602	
1	East Penthouse	White HVAC Insulation-Lab Note: Wrap on Fiberglass	None Detected
2	East Penthouse	White HVAC Insulation-Lab Note: Wrap on Fiberglass	None Detected
3	East Penthouse	White HVAC Cloth Wrap Insulation	None Detected
4	East Penthouse	White HVAC Cloth Wrap Insulation	None Detected
5 - A	East Penthouse	Gray Covebase with Brown Mastic	None Detected
5 - B	East Penthouse	Brown Mastic associated with Gray Covebase	None Detected
6 - A	East Penthouse	Gray Covebase with Brown Mastic	None Detected
6 - B	East Penthouse	Brown Mastic associated with Gray Covebase	None Detected
7	East Penthouse	Red Firestop	None Detected
8	East Penthouse	Red Firestop	None Detected
9	East Penthouse	White Pipe Bridge Mastic	None Detected
10	East Penthouse	White Pipe Bridge Mastic	None Detected
11	East Penthouse	Off-white Pipe Bridge Mastic	None Detected
12	East Penthouse	Off-white Pipe Bridge Mastic	None Detected
13	East Penthouse	White CMU Texture	None Detected
14	East Penthouse	White CMU Texture	None Detected
15	East Penthouse	Beige/Tan Pipe Bridge Mastic	None Detected
16	East Penthouse	Beige/Tan Pipe Bridge Mastic	None Detected
17	East Penthouse AC-4	Brown Caulking	None Detected
18	East Penthouse AC-4	Brown Caulking	None Detected
19	East Penthouse AC-4	Silver Caulking	None Detected
20	East Penthouse AC-4	Silver Caulking	None Detected
21	East Penthouse by Door to Exterior	Gray Door Caulking	None Detected

Table Notes:
Bold = Asbestos-Containing Materials
N/A = Not Analyzed, Positive Stop
NAD = No Asbestos Detected

TABLE

SUSPECT ASBESTOS-CONTAINING MATERIALS BULK SAMPLING RESULTS

Sample #	Sampling Location	Material/Description	Analytical Results
22	East Penthouse by Door to Exterior	Gray Door Caulking	None Detected
23	East Penthouse AC-4	Gold Caulking	None Detected
24	East Penthouse AC-4	Gold Caulking	None Detected
25	East Penthouse	White Pipe Insulation	None Detected
26	East Penthouse	White Pipe Insulation	None Detected
27	East Penthouse	White Pipe Insulation	None Detected
		West Penthouse- PH2602	
28	West Penthouse	White TSI Wrap- Lab Note: Wrap on Fiberglass	None Detected
29	West Penthouse	White TSI Wrap- Lab Note: Wrap on Fiberglass	None Detected
30	West Penthouse	White HVAC Insulation	None Detected
31	West Penthouse	White HVAC Insulation	None Detected
32	West Penthouse	White HVAC Cloth Wrap Insulation	None Detected
33	West Penthouse	White HVAC Cloth Wrap Insulation	None Detected
34	West Penthouse AC-1	Silver Caulking	None Detected
35	West Penthouse AC-1	Silver Caulking	None Detected
36	West Penthouse	Dark Red Firestop	None Detected
37	West Penthouse	Dark Red Firestop	None Detected
38	West Penthouse	Light Red Firestop	None Detected
39	West Penthouse	Light Red Firestop	None Detected
40	West Penthouse	White CMU Texture	None Detected
41	West Penthouse	White CMU Texture	None Detected
42	West Penthouse	White Cloth TSI Wrap- Lab Note: Wrap on Fibergalss	None Detected
43	West Penthouse	White Cloth TSI Wrap- Lab Note: Wrap on Fibergalss	None Detected
44	West Penthouse	White Pipe Bridge Mastic- Lab Note: Wrap on Fiberglass	None Detected

Table Notes:
Bold = Asbestos-Containing Materials
N/A = Not Analyzed, Positive Stop
NAD = No Asbestos Detected

TABLE

SUSPECT ASBESTOS-CONTAINING MATERIALS BULK SAMPLING RESULTS

Sample #	Sampling Location	Material/Description	Analytical Results
45	West Penthouse	White Pipe Bridge Mastic- Lab Note: Wrap on Fiberglass	None Detected
46	West Penthouse	White TSI Wrap- Lab Note: Wrap on Fiberglass	None Detected
47	West Penthouse	White TSI Wrap- Lab Note: Wrap on Fiberglass	None Detected
48	West Penthouse	White Misc. Isulation Board- Lab Note: Wrap on Fiberglass	None Detected
49	West Penthouse	White Misc. Isulation Board- Lab Note: Wrap on Fiberglass	None Detected
50	West Penthouse	Brown Caulking	None Detected
51	West Penthouse	Brown Caulking	None Detected
52	West Penthouse	Gray HVAC Sealant	None Detected
53	West Penthouse	Gray HVAC Sealant	None Detected
		West Exterior Mechanical Room- 4000M1	
54	4000M1 West Exterior Mech Rm	Gray Pipe Sealant	None Detected
55	4000M1 West Exterior Mech Rm	Gray Pipe Sealant	None Detected
56	4000M1 West Exterior Mech Rm	Light Gray Pipe Sealant	None Detected
57	4000M1 West Exterior Mech Rm	Light Gray Pipe Sealant	None Detected
58	4000M1 West Exterior Mech Rm	Silver Caulking	None Detected
59	4000M1 West Exterior Mech Rm	Silver Caulking	None Detected
60	4000M1 West Exterior Mech Rm	White HVAC Sealant	None Detected
61	4000M1 West Exterior Mech Rm	White HVAC Sealant	None Detected
62	4000M1 West Exterior Mech Rm	White/Brown CUM Texture	None Detected
63	4000M1 West Exterior Mech Rm	White/Brown CUM Texture	None Detected
64	4000M1 West Exterior Mech Rm	White Cloth Pipe Wrap	None Detected
65	4000M1 West Exterior Mech Rm	White Cloth Pipe Wrap	None Detected
66	4000M1 West Exterior Mech Rm	White Cloth Pipe Wrap	None Detected
67	4000M1 West Exterior Mech Rm	Red Firestop	None Detected

Table Notes:
Bold = Asbestos-Containing Materials
N/A = Not Analyzed, Positive Stop
NAD = No Asbestos Detected

TABLE

SUSPECT ASBESTOS-CONTAINING MATERIALS BULK SAMPLING RESULTS

Sample #	Sampling Location	Material/Description	Analytical Results
68	4000M1 West Exterior Mech Rm	Red Firestop	None Detected
69	4000M1 West Exterior Mech Rm	Light Red Firestop	None Detected
70	4000M1 West Exterior Mech Rm	Light Red Firestop	None Detected
71	4000M1 West Exterior Mech Rm	White Expansion Joint Caulking	None Detected
72	4000M1 West Exterior Mech Rm	White Expansion Joint Caulking	None Detected
73	4000M1 West Exterior Mech Rm	White Pipe Bridge Mastic	None Detected
74	4000M1 West Exterior Mech Rm	White Pipe Bridge Mastic	None Detected
75	4000M1 West Exterior Mech Rm	White Pipe Insulation	None Detected
76	4000M1 West Exterior Mech Rm	White Pipe Insulation	None Detected
		Corridor- 4303A	
77	4303A Corridor	Drywall Wallboard	None Detected
78	4303A Corridor	Drywall Wallboard	None Detected
79	4303A Corridor	Drywall Wallboard	None Detected
80	4303A Corridor	Joint Compound	None Detected
81	4303A Corridor	Joint Compound	None Detected
82	4303A Corridor	Joint Compound	None Detected
83	4303A Corridor	White Door Caulk	None Detected
84	4303A Corridor	White Door Caulk	None Detected
85	4303A Corridor	2'x2' White Pinhole Ceiling Tile	None Detected
86	4303A Corridor	2'x2' White Pinhole Ceiling Tile	None Detected
87	4303A Corridor	2'x4' White Pinhole Ceiling Tile	None Detected
88	4303A Corridor	2'x4' White Pinhole Ceiling Tile	None Detected
		Corridor- 4000C7	
89	4000C7 Corridor	2'x4' Off-white Pinhole Ceiling Tile	None Detected

Table Notes:
Bold = Asbestos-Containing Materials
N/A = Not Analyzed, Positive Stop
NAD = No Asbestos Detected

TABLE

SUSPECT ASBESTOS-CONTAINING MATERIALS BULK SAMPLING RESULTS

Sample #	Sampling Location	Material/Description	Analytical Results
90	4000C7 Corridor	2'x4' Off-white Pinhole Ceiling Tile	None Detected
91	4000C7 Corridor	2'x4' White Pinhole Ceiling Tile	None Detected
92	4000C7 Corridor	2'x4' White Pinhole Ceiling Tile	None Detected
93 - A	4000C7 Corridor	Black Covebase with Yellow Mastic	None Detected
93 - B	4000C7 Corridor	Yellow Mastic assoicated with Black Covebase	None Detected
94 - A	4000C7 Corridor	Black Covebase with Yellow Mastic	None Detected
94 - B	4000C7 Corridor	Yellow Mastic assoicated with Black Covebase	None Detected
95	4000C7 Corridor	Drywall Wallboard	None Detected
96	4000C7 Corridor	Drywall Wallboard	None Detected
97	4000C7 Corridor	Drywall Wallboard	None Detected
98	**4000C7 Corridor**	**Joint Compound**	**2% Chrysotile**
99	**4000C7 Corridor**	**Joint Compound**	**2% Chrysotile**
100	**4000C7 Corridor**	**Joint Compound**	**2% Chrysotile**
101	4000C7 Corridor	Brown Glue Dot Mastic	None Detected
102	4000C7 Corridor	Brown Glue Dot Mastic	None Detected
103	4000C7 Corridor	Joint Compound Assoicated with Plaster Walls	None Detected
104	4000C7 Corridor	Joint Compound Assoicated with Plaster Walls	None Detected
105 - A	4000C7 Corridor	Plaster- Layer 1: Finish	None Detected
105 - B	4000C7 Corridor	Plaster- Layer 2: Base	None Detected
106 - A	4000C7 Corridor	Plaster- Layer 1: Finish	None Detected
106 - B	4000C7 Corridor	Plaster- Layer 2: Base	None Detected
107 - A	4000C7 Corridor	Plaster- Layer 1: Finish	None Detected
107 - B	4000C7 Corridor	Plaster- Layer 2: Base	None Detected

West Central Mechanical Room- 4000M2

Table Notes:
Bold = Asbestos-Containing Materials
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NAD = No Asbestos Detected

TABLE

SUSPECT ASBESTOS-CONTAINING MATERIALS BULK SAMPLING RESULTS

Sample #	Sampling Location	Material/Description	Analytical Results
108	4000M2 West Centeral Mech Rm	Fireproofing	None Detected
109	4000M2 West Centeral Mech Rm	Fireproofing	None Detected
110	4000M2 West Centeral Mech Rm	Red Firestop	None Detected
111	4000M2 West Centeral Mech Rm	Red Firestop	None Detected
112	4000M2 West Centeral Mech Rm	White Cloth Pipe Insulation	None Detected
113	4000M2 West Centeral Mech Rm	White Cloth Pipe Insulation	None Detected
114	4000M2 West Centeral Mech Rm	Drywall	None Detected
115	4000M2 West Centeral Mech Rm	Drywall	None Detected
116	4000M2 West Centeral Mech Rm	Silver Pipe Bridge Mastic	None Detected
117	4000M2 West Centeral Mech Rm	Silver Pipe Bridge Mastic	None Detected
118	4000M2 West Centeral Mech Rm	White Pipe Bridge Mastic	None Detected
119	4000M2 West Centeral Mech Rm	White Pipe Bridge Mastic	None Detected
120	4000M2 West Centeral Mech Rm	Brown HVAC Caulking	None Detected
121	4000M2 West Centeral Mech Rm	Brown HVAC Caulking	None Detected
122	4000M2 West Centeral Mech Rm	White Pipe Wrap Insulation	None Detected
123	4000M2 West Centeral Mech Rm	White Pipe Wrap Insulation	None Detected
124	4000M2 West Centeral Mech Rm	White Pipe Wrap Insulation	None Detected
125	4000M2 West Centeral Mech Rm	White Pipe Insulation	None Detected
126	4000M2 West Centeral Mech Rm	White Pipe Insulation	None Detected
	East Exterior Mechanical Room & Space within Mechanical Room- 4000M4 & 4000M12		
1	4000M12 East Exterior Mech Rm	Brown Caulking	None Detected
2	4000M12 East Exterior Mech Rm	Brown Caulking	None Detected
3	4000M4 East Exterior Mech Rm- Blower	White Pipe Bridge Mastic	None Detected
4	4000M4 East Exterior Mech Rm- Blower	White Pipe Bridge Mastic	None Detected

Table Notes:
Bold = Asbestos-Containing Materials
N/A = Not Analyzed, Positive Stop
NAD = No Asbestos Detected

TABLE

SUSPECT ASBESTOS-CONTAINING MATERIALS BULK SAMPLING RESULTS

Sample #	Sampling Location	Material/Description	Analytical Results
5	4000M4 East Exterior Mech Rm- Blower	White Pipe Bridge Mastic	None Detected
6	4000M4 East Exterior Mech Rm- Blower	White Cloth Pipe Insulation	None Detected
7	4000M4 East Exterior Mech Rm- Blower	White Cloth Pipe Insulation	None Detected
8	4000M4 East Exterior Mech Rm- Blower	White Cloth Pipe Insulation	None Detected
9	4000M4 East Exterior Mech Rm	White CMU Texture	None Detected
10	4000M4 East Exterior Mech Rm	White CMU Texture	None Detected
11	4000M4 East Exterior Mech Rm	White TSI on Belt	None Detected
12	4000M4 East Exterior Mech Rm	White TSI on Belt	None Detected
13	4000M4 East Exterior Mech Rm	White TSI on Belt	None Detected
14	4000M4 East Exterior Mech Rm- ACU-6	White Pipe Insulation	None Detected
15	4000M4 East Exterior Mech Rm- ACU-6	White Pipe Insulation	None Detected
16	4000M4 East Exterior Mech Rm- ACU-6	White Pipe Insulation	None Detected
17	**4000M12 East Exterior Mech Rm**	**Black Mastic on HVAC Ductwork**	**5% Chrysotile**
18	**4000M12 East Exterior Mech Rm**	**Black Mastic on HVAC Ductwork**	**N/A**
19	**4000M12 East Exterior Mech Rm**	**Black Mastic on HVAC Ductwork**	**N/A**
20	**4000M12 East Exterior Mech Rm**	**White Residual Insulation on HVAC Ductwork**	**40% Chrysotile**
21	**4000M12 East Exterior Mech Rm**	**White Residual Insulation on HVAC Ductwork**	**N/A**
22	**4000M12 East Exterior Mech Rm**	**White Residual Insulation on HVAC Ductwork**	**N/A**
23	4000M4 East Exterior Mech Rm	Beige Pipe Bridge Mastic	None Detected
24	4000M4 East Exterior Mech Rm	Beige Pipe Bridge Mastic	None Detected
25	4000M4 East Exterior Mech Rm	Beige Pipe Bridge Mastic	None Detected
26	4000M4 East Exterior Mech Rm- AC-12	Silver Caulking	None Detected
27	4000M4 East Exterior Mech Rm- AC-13	Silver Caulking	None Detected
28	4000M4 East Exterior Mech Rm- AC-12	Gold Caulking	None Detected

Table Notes:
Bold = Asbestos-Containing Materials
N/A = Not Analyzed, Positive Stop
NAD = No Asbestos Detected

TABLE

SUSPECT ASBESTOS-CONTAINING MATERIALS BULK SAMPLING RESULTS

Sample #	Sampling Location	Material/Description	Analytical Results
29	4000M4 East Exterior Mech Rm- AC-13	Gold Caulking	None Detected
30	4000M4 East Exterior Mech Rm- AC-12	White Pipe Insulation	None Detected
31	4000M4 East Exterior Mech Rm- AC-12	White Pipe Insulation	None Detected
32	4000M4 East Exterior Mech Rm- AC-12	White Pipe Insulation	None Detected
33	4000M4 East Exterior Mech Rm	Off-white CMU Texture	None Detected
34	4000M4 East Exterior Mech Rm	Off-white CMU Texture	None Detected
35	4000M4 East Exterior Mech Rm	Red Firestop	None Detected
36	4000M4 East Exterior Mech Rm	Red Firestop	None Detected
37	4000M4 East Exterior Mech Rm- ACU-7	White Pipe Insulation	None Detected
38	4000M4 East Exterior Mech Rm- ACU-7	White Pipe Insulation	None Detected
39	4000M4 East Exterior Mech Rm- ACU-7	White Pipe Insulation	None Detected
40	4000M4 East Exterior Mech Rm- ACU-7	White Brige Pipe Mastic	None Detected
41	4000M4 East Exterior Mech Rm- ACU-7	White Brige Pipe Mastic	None Detected
42	4000M4 East Exterior Mech Rm- ACU-7	White Brige Pipe Mastic	None Detected
43	4000M4 East Exterior Mech Rm	Off-white Metal Pipe Bridge Mastic	None Detected
44	4000M4 East Exterior Mech Rm	Off-white Metal Pipe Bridge Mastic	None Detected
45	4000M4 East Exterior Mech Rm	Off-white Metal Pipe Bridge Mastic	None Detected
		Corridor & Vestibule- 4000C10 & 4508A	
50 - A	4000C10 Corridor	Plaster- Layer 1: Finish	None Detected
50 - B	4000C10 Corridor	Plaster- Layer 2: Base	None Detected
51 - A	4000C10 Corridor	Plaster- Layer 1: Finish	None Detected
51 - B	4000C10 Corridor	Plaster- Layer 2: Base	None Detected
52 - A	4000C10 Corridor	Plaster- Layer 1: Finish	None Detected
52 - B	4000C10 Corridor	Plaster- Layer 2: Base	None Detected

Table Notes:
Bold = Asbestos-Containing Materials
N/A = Not Analyzed, Positive Stop
NAD = No Asbestos Detected

TABLE

SUSPECT ASBESTOS-CONTAINING MATERIALS BULK SAMPLING RESULTS

Sample #	Sampling Location	Material/Description	Analytical Results
53	4000C10 Corridor	Joint Compound	None Detected
54	4000C10 Corridor	Joint Compound	None Detected
55	4508A Vestibule	Joint Compound	None Detected
56	4000C10 Corridor	Drywall Wallboard	None Detected
57	4000C10 Corridor	Drywall Wallboard	None Detected
58	4508A Vestibule	Drywall Wallboard	None Detected
59 - A	4000C10 Corridor	Black Covebase with Yellow Mastic	None Detected
59 - B	4000C10 Corridor	Yellow Mastic associated with Black Covebase	None Detected
60 - A	4000C10 Corridor	Black Covebase with Yellow Mastic	None Detected
60 - B	4000C10 Corridor	Yellow Mastic associated with Black Covebase	None Detected
61 - A	4000C10 Corridor	Black Door Tread with Yellow Mastic	None Detected
61 - B	4000C10 Corridor	Yellow Mastic associated with Black Door Tread	None Detected
62 - A	4000C10 Corridor	Black Door Tread with Yellow Mastic	None Detected
62 - B	4000C10 Corridor	Yellow Mastic associated with Black Door Tread	None Detected
63	4508A Vestibule	Red Firestop	None Detected
64	4508A Vestibule	Red Firestop	None Detected
		East Central Mechanical Room- 4000M3	
65	4000M3 East Centeral Mech Rm	White/Brown Caulking	None Detected
66	4000M3 East Centeral Mech Rm	White/Brown Caulking	None Detected
67	4000M3 East Centeral Mech Rm	White CMU Finish	None Detected
68	4000M3 East Centeral Mech Rm	White CMU Finish	None Detected
69	4000M3 East Centeral Mech Rm	Silver Caulking	None Detected
70	4000M3 East Centeral Mech Rm	Silver Caulking	None Detected
71	4000M3 East Centeral Mech Rm	Red Expansion Joint Caulking	None Detected

Table Notes:
Bold = Asbestos-Containing Materials
N/A = Not Analyzed, Positive Stop
NAD = No Asbestos Detected

TABLE

SUSPECT ASBESTOS-CONTAINING MATERIALS BULK SAMPLING RESULTS

Sample #	Sampling Location	Material/Description	Analytical Results
72	4000M3 East Centeral Mech Rm	Red Expansion Joint Caulking	None Detected
73	4000M3 East Centeral Mech Rm	Gray Caulking	None Detected
74	4000M3 East Centeral Mech Rm	Gray Caulking	None Detected
75	4000M3 East Centeral Mech Rm- AC-5	White Brige Pipe Mastic	None Detected
76	4000M3 East Centeral Mech Rm- AC-11	White Bridge Pipe Mastic	None Detected
77	4000M3 East Centeral Mech Rm- Low Pressure Piping	White Bridge Pipe Mastic	None Detected
78	4000M3 East Centeral Mech Rm- AC-11	White Bridge Pipe Mastic	None Detected
79	4000M3 East Centeral Mech Rm- AC-10	White Bridge Pipe Mastic	None Detected
80	4000M3 East Centeral Mech Rm- AC-11	White Pipe Sealant	None Detected
81	4000M3 East Centeral Mech Rm- AC-10	White Pipe Sealant	None Detected
82	4000M3 East Centeral Mech Rm	Drywall	None Detected
83	4000M3 East Centeral Mech Rm	Drywall	None Detected
84	4000M3 East Centeral Mech Rm	Drywall	None Detected
85	4000M3 East Centeral Mech Rm	Joint Compound	None Detected
86	4000M3 East Centeral Mech Rm	Joint Compound	None Detected
87	4000M3 East Centeral Mech Rm	Joint Compound	None Detected
88 - A	4000M3 East Centeral Mech Rm- AC-5	Pipe Insulation- Layer 1: Wrap	None Detected
88 - B	4000M3 East Centeral Mech Rm- AC-5	Pipe Insulation- Layer 2: Insulation	None Detected
89 - A	4000M3 East Centeral Mech Rm- AC-11	Pipe Insulation- Layer 1: Wrap	None Detected
89 - B	4000M3 East Centeral Mech Rm- AC-11	Pipe Insulation- Layer 2: Insulation	None Detected
90 - A	4000M3 East Centeral Mech Rm- Low Pressure Piping	Pipe Insulation- Layer 1: Wrap	None Detected
90 - B	4000M3 East Centeral Mech Rm- Low Pressure Piping	Pipe Insulation- Layer 2: Insulation	None Detected
91 - A	4000M3 East Centeral Mech Rm- AC-11	Pipe Insulation- Layer 1: Wrap	None Detected
91 - B	4000M3 East Centeral Mech Rm- AC-11	Pipe Insulation- Layer 2: Insulation	None Detected

Table Notes:
Bold = Asbestos-Containing Materials
N/A = Not Analyzed, Positive Stop
NAD = No Asbestos Detected

TABLE

SUSPECT ASBESTOS-CONTAINING MATERIALS BULK SAMPLING RESULTS

Sample #	Sampling Location	Material/Description	Analytical Results
92 - A	4000M3 East Centeral Mech Rm- AC-10	Pipe Insulation- Layer 1: Wrap	None Detected
92 - B	4000M3 East Centeral Mech Rm- AC-10	Pipe Insulation- Layer 2: Insulation	None Detected

Table Notes:
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N/A = Not Analyzed, Positive Stop
NAD = No Asbestos Detected

Appendix IV: XRF Lead-Based Paint Readings

XRF LEAD-BASED PAINT RESULTS

National Museum of American History
1300 Constitution Avenue SW,
Washington DC 20560
ECS Project No: 47:12287

Reading	Room/Location	Side	Color	Substrate	Component	Pb	Pb +/-	Result
Readings from 12-15-21								
1901	*Calibration NIST 2573*					0.9	0.1	*Valid*
1902	*Calibration NIST 2573*					0.9	0.1	
1903	*Calibration NIST 2573*					0.9	0.1	
1904	*Calibration Blank*					0	0.3	*Valid*
1905	*Calibration Blank*					0	0.2	
1906	*Calibration Blank*					0	0.3	
1907	East Penthouse-PH2603	C	Beige		HVAC unit	0	0.2	BDL
1908	East Penthouse-PH2603	N	Beige	CMU	Wall	0.1	0.3	BDL
1909	East Penthouse-PH2603	N	Beige	CMU	Wall	0	0.3	BDL
1910	East Penthouse-PH2603	W	Beige	CMU	Wall	0.1	0.2	BDL
1911	East Penthouse-PH2603	W	Gray	Metal	Door Face	0.1	0.3	BDL
1912	East Penthouse-PH2603	W	Gray	Metal	Door Casing	0.8	0.1	Lead-Containing
1913	East Penthouse-PH2603	W	Gray	Metal	Stair Riser	0.2	0.3	BDL
1914	East Penthouse-PH2603	W	Gray	Concrete	Floor	0.3	0.3	Lead-Containing
1915	East Penthouse-PH2603	W	Gray	Concrete	Floor	0.1	0.3	BDL
1916	East Penthouse-PH2603	W	Light Gray	Concrete	Floor	0	0.3	BDL
1917	**East Penthouse-PH2603**	**W**	**Red**	**Metal**	**Beam**	**1.4**	**0.3**	**Lead-Based**
1918	East Penthouse-PH2603	W	Dark Blue	Metal	Beam	0	0.3	BDL
1919	East Penthouse-PH2603	W	Black	Metal	HVAC unit	0	0.3	BDL
1920	East Penthouse-PH2603	W	Black	Metal	HVAC unit	0.1	0.3	BDL
1921	East Penthouse-PH2603	W	Light Blue	Metal	HVAC unit	0	0.2	BDL
1922	East Penthouse-PH2603	W	Dark Blue	Metal	HVAC unit	0.1	0.3	BDL

Notes: **Bold = Lead Based Paint**
BDL = Below Detection Limit
Pb - Lead per mg/cm2

XRF LEAD-BASED PAINT RESULTS

National Museum of American History
1300 Constitution Avenue SW,
Washington DC 20560
ECS Project No: 47:12287

Reading	Room/Location	Side	Color	Substrate	Component	Pb	Pb +/-	Result
1923	East Penthouse-PH2603	W	Light Gray	Metal	HVAC unit	0	0.3	BDL
1924	East Penthouse-PH2603	W	White	Metal	HVAC unit	0.1	0.3	BDL
1925	East Penthouse-PH2603	W	Red	Metal	HVAC unit	0	0.3	BDL
1926	East Penthouse-PH2603	W	Red	Metal	HVAC unit	0	0.3	BDL
1927	East Penthouse-PH2603	W	Ivory	Metal	HVAC unit	0.1	0.3	BDL
1928	East Penthouse-PH2603	W	Orange	Metal	Stair Railing	0.6	0.2	Lead-Containing
1929	East Penthouse-PH2603	W	Gray	Metal	Door Face	0	0.3	BDL
1930	East Penthouse-PH2603	W	Gray	Metal	Door Casing	0.4	0.3	Lead-Containing
1931	West Penthouse-PH2602	W	White	CMU	Wall	0	0.3	BDL
1932	West Penthouse-PH2602	N	White	CMU	Wall	0	0.3	BDL
1933	West Penthouse-PH2602	N	White	CMU	Wall	0.2	0.3	BDL
1934	**West Penthouse-PH2602**	**N**	**Orange**	**Metal**	**Floor Cover**	**3.7**	**0.3**	**Lead-Based**
1935	**West Penthouse-PH2602**	**N**	**Orange**	**Metal**	**Railing**	**2.1**	**0.3**	**Lead-Based**
1936	West Penthouse-PH2602	N	Yellow	Metal	Railing	0.2	0.3	BDL
1937	West Penthouse-PH2602	N	Yellow	Metal	Ladder	0.1	0.3	BDL
1938	West Penthouse-PH2602	N	Black	Metal	Ladder	0	0.3	BDL
1939	West Penthouse-PH2602	N	Light Gray	Metal	Door Face	0.1	0.3	BDL
1940	West Penthouse-PH2602	N	Light Gray	Metal	Door Casing	0.5	0.3	Lead-Containing
1941	West Penthouse-PH2602	N	Black	Metal	Horizontal Pipe	0.1	0.3	BDL
1942	West Penthouse-PH2602	N	Rust	Metal	HVAC unit	0	0.3	BDL
1943	West Penthouse-PH2602	N	Yellow	Metal	Beam	0.7	0.2	Lead-Containing
1944	West Penthouse-PH2602	N	Dark Gray	Metal	Door Face	0.2	0.3	BDL
1945	**West Penthouse-PH2602**	**N**	**Dark Gray**	**Metal**	**Door Casing**	**1.2**	**0.1**	**Lead-Based**

Notes: **Bold = Lead Based Paint**
BDL = Below Detection Limit
Pb - Lead per mg/cm2

XRF LEAD-BASED PAINT RESULTS

National Museum of American History
1300 Constitution Avenue SW,
Washington DC 20560
ECS Project No: 47:12287

Reading	Room/Location	Side	Color	Substrate	Component	Pb	Pb +/-	Result
1946	West Penthouse-PH2602	N	Dark Gray	Metal	Stair Riser	0.1	0.3	BDL
1947	West Penthouse-PH2602	N	Dark Gray	Concrete	Floor	0.1	0.3	BDL
1948	West Penthouse-PH2602	N	Dark Gray	Concrete	Floor	0.1	0.3	BDL
1949	West Penthouse-PH2602	N	Dark Blue	Metal	Floor	0.1	0.3	BDL
1950	West Penthouse-PH2602	N	Light Blue	Metal	Floor	0.1	0.3	BDL
1951	West Penthouse-PH2602	N	Light Blue	Metal	HVAC unit	0	0.2	BDL
1952	West Penthouse-PH2602	N	Ivory	Cloth	HVAC unit	0.1	0.2	BDL
1953	West Penthouse-PH2602	N	Ivory	Cloth	HVAC unit	0.1	0.2	BDL
1954	West Exterior Mechanical Room-4000M1	N	Ivory	Metal	Door Face	0	0.3	BDL
1955	West Exterior Mechanical Room-4000M1	N	Ivory	Metal	Door Casing	0.5	0.3	Lead-Containing
1956	West Exterior Mechanical Room-4000M1	N	Burgundy	Metal	Beam	0	0.3	BDL
1957	West Exterior Mechanical Room-4000M1	N	Ivory	CMU	Wall	0	0.3	BDL
1958	West Exterior Mechanical Room-4000M1	N	Red	Metal	Wall	0.3	0.2	Lead-Containing
1959	West Exterior Mechanical Room-4000M1	N	White	Cloth	HVAC unit	0	0.2	BDL
1960	West Exterior Mechanical Room-4000M1	N	Light Gray	Concrete	Floor	0	0.3	BDL
1961	West Exterior Mechanical Room-4000M1	N	Red	Metal	Floor	0	0.3	BDL
1962	West Exterior Mechanical Room-4000M1	N	Gray	CMU	Wall	0.2	0.3	BDL
1963	West Exterior Mechanical Room-4000M1	N	Ivory	Metal	Door Face	0	0.3	BDL
1964	West Exterior Mechanical Room-4000M1	N	Ivory	Metal	Door Casing	0	0.3	BDL
1965	West Exterior Mechanical Room-4000M1	N	Ivory	CMU	Wall	0.1	0.3	BDL
1966	West Exterior Mechanical Room-4000M1	N	Ivory	Metal	Door Face	0	0.3	BDL
1967	West Exterior Mechanical Room-4000M1	N	Ivory	Metal	Door Casing	0.4	0.3	Lead-Containing
1968	West Exterior Mechanical Room-4000M1	N	Black	Concrete	Floor	0.1	0.3	BDL

Notes: **Bold = Lead Based Paint**
BDL = Below Detection Limit
Pb - Lead per mg/cm2

XRF LEAD-BASED PAINT RESULTS

National Museum of American History
1300 Constitution Avenue SW,
Washington DC 20560
ECS Project No: 47:12287

Reading	Room/Location	Side	Color	Substrate	Component	Pb	Pb +/-	Result
1969	West Exterior Mechanical Room-4000M1	N	Light Blue	Concrete	Floor	0	0.3	BDL
1970	Corridor- 4303A	N	White	Metal	Door Face	0	0.2	BDL
1971	Corridor- 4303A	N	White	Metal	Door Casing	0.6	0.2	Lead-Containing
1972	Corridor- 4303A	N	White	Metal	Door Casing	0.3	0.3	Lead-Containing
1973	Corridor- 4303A	N	White	Metal	Door Face	0	0.3	BDL
1974	Corridor- 4303A	N	White	Metal	Door Face	0	0.2	BDL
1975	Corridor- 4303A	N	White	Metal	Door Casing	0	0.2	BDL
1976	Corridor- 4303A	N	Beige	Gypsum	Wall	0	0.2	BDL
1977	Corridor- 4303A	W	Beige	Gypsum	Wall	0.3	0.3	Lead-Containing
1978	Corridor- 4303A	E	Beige	Gypsum	Wall	0	0.3	BDL
1979	Corridor- 4303A	E	Beige	CMU	Wall	0	0.3	BDL
1980	Corridor- 4303A	S	Beige	CMU	Wall	0	0.3	BDL
1981	Corridor- 4303A	S	Gray	Concrete	Floor	0	0.3	BDL
1982	Corridor- 4000C7	S	Beige	Plaster	Wall	0.4	0.3	Lead-Containing
1983	Corridor- 4000C7	W	Beige	Plaster	Wall	0.3	0.3	Lead-Containing
1984	Corridor- 4000C7	W	White	Metal	Door Casing	0.4	0.3	Lead-Containing
1985	Corridor- 4000C7	W	White	Metal	Door Casing	0.4	0.3	Lead-Containing
1986	Corridor- 4000C7	W	White	Metal	Door Face	0	0.2	BDL
1987	Corridor- 4000C7	W	White	Metal	Door Casing	0.5	0.3	Lead-Containing
1988	Corridor- 4000C7	W	White	Metal	Door Casing	0.6	0.3	Lead-Containing
1989	Corridor- 4000C7	W	White	Metal	Door Casing	0.5	0.3	Lead-Containing
1990	Corridor- 4000C7	W	White	Metal	Door Face	0	0.3	BDL
1991	Corridor- 4000C7	W	White	Metal	Door Casing	0.1	0.3	BDL

Notes: **Bold = Lead Based Paint**
BDL = Below Detection Limit
Pb - Lead per mg/cm2

XRF LEAD-BASED PAINT RESULTS

National Museum of American History
1300 Constitution Avenue SW,
Washington DC 20560
ECS Project No: 47:12287

Reading	Room/Location	Side	Color	Substrate	Component	Pb	Pb +/-	Result
1994	Corridor- 4000C7	W	Blue	Metal	Beam	0	0.3	BDL
1995	West Central Mechanical Room-4000M2	W	Beige	Plaster	Wall	0	0.3	BDL
1996	West Central Mechanical Room-4000M2	W	Beige	CMU	Wall	0	0.3	BDL
1997	West Central Mechanical Room-4000M2	W	Gray	Metal	HVAC unit	0	0.3	BDL
1998	West Central Mechanical Room-4000M2	W	Gray	Metal	Floor	0.2	0.3	BDL
1999	West Central Mechanical Room-4000M2	W	Black	Metal	Vertical Pipe	0.1	0.3	BDL
2000	**West Central Mechanical Room-4000M2**	**W**	**Black**	**Metal**	**Beam**	**1.1**	**0.1**	**Lead-Based**
2001	*Calibration NIST 2573*					1	0.1	*Valid*
2002	*Calibration NIST 2573*					1	0.1	
2003	*Calibration NIST 2573*					0.9	0.1	
2004	*Calibration Blank*					0	0.3	*Valid*
2005	*Calibration Blank*					0	0.3	
2006	*Calibration Blank*					0	0.3	
Readings from 12-21-21								
2067	*Calibration NIST 2573*					1	0.1	*Valid*
2068	*Calibration NIST 2573*					1	0.1	
2069	*Calibration NIST 2573*					1	0.1	
2070	*Calibration Blank*					0	0.3	*Valid*
2071	*Calibration Blank*					0	0.2	
2072	*Calibration Blank*					0	0.3	
2073	East Exterior Mechanical Room-4000M4	A	White	CMU	Wall	0	0.3	BDL
2074	East Exterior Mechanical Room-4000M4	A	White	CMU	Wall	0	0.2	BDL
2075	East Exterior Mechanical Room-4000M4	C	White	CMU	Wall	0.1	0.3	BDL

Notes: **Bold = Lead Based Paint**
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XRF LEAD-BASED PAINT RESULTS

National Museum of American History
1300 Constitution Avenue SW,
Washington DC 20560
ECS Project No: 47:12287

Reading	Room/Location	Side	Color	Substrate	Component	Pb	Pb +/-	Result
2076	East Exterior Mechanical Room-4000M4	B	White	CMU	Wall	0.2	0.3	BDL
2077	East Exterior Mechanical Room-4000M4	B	White	CMU	Column	0	0.3	BDL
2078	East Exterior Mechanical Room-4000M4	B	Gray	Concrete	Floor	0.1	0.3	BDL
2079	East Exterior Mechanical Room-4000M4	B	Gray	Concrete	Floor	0	0.3	BDL
2080	East Exterior Mechanical Room-4000M4	B	Gray	Concrete	Floor	0.1	0.3	BDL
2081	East Exterior Mechanical Room-4000M4	B	Yellow	Concrete	Foundation	0	0.3	BDL
2082	East Exterior Mechanical Room-4000M4	C	Yellow	Concrete	Foundation	0.3	0.3	Lead-Containing
2083	East Exterior Mechanical Room-4000M4	A	Gray	Metal	Door Casing	0.1	0.3	BDL
2084	East Exterior Mechanical Room-4000M4	A	Gray	Metal	Door Face	0.1	0.2	BDL
2085	East Exterior Mechanical Room-4000M4	B	White	Metal	Horizontal Pipe	0	0.2	BDL
2086	East Exterior Mechanical Room-4000M4	C	White	Metal	Door Casing	0.3	0.3	Lead-Containing
2087	East Exterior Mechanical Room-4000M4	C	White	Metal	Door Face	0	0.2	BDL
2088	East Exterior Mechanical Room-4000M4	A	White	Metal	Duct	0	0.2	BDL
2089	Corridor- 4000C10	A	White	Plaster	Wall	0.3	0.3	Lead-Containing
2090	Corridor- 4000C10	C	White	Plaster	Wall	0.5	0.3	Lead-Containing
2091	Corridor- 4000C10	C	White	Plaster	Wall	0	0.3	BDL
2092	Corridor- 4000C10	A	White	Metal	Door Casing	0.5	0.3	Lead-Containing
2093	Corridor- 4000C10	A	White	Metal	Door Face	0	0.2	BDL
2094	Corridor- 4000C10	A	White	Metal	Door Face	0.2	0.3	BDL
2095	Corridor- 4000C10	A	White	Metal	Door Casing	0.2	0.3	BDL
2096	Corridor- 4000C10	A	White	Gypsum	Wall	0	0.2	BDL
2097	Vestibule- 4508A	A	White	Plaster	Wall	0.3	0.3	Lead-Containing
2098	Vestibule- 4508A	A	White	Gypsum	Wall	0	0.2	BDL

Notes: **Bold = Lead Based Paint**
BDL = Below Detection Limit
Pb - Lead per mg/cm2

XRF LEAD-BASED PAINT RESULTS

National Museum of American History
1300 Constitution Avenue SW,
Washington DC 20560
ECS Project No: 47:12287

Reading	Room/Location	Side	Color	Substrate	Component	Pb	Pb +/-	Result
2099	Vestibule- 4508A	D	White	Metal	Door Casing	0	0.2	BDL
2100	Vestibule- 4508A	A	White	Metal	Door Casing	0	0.2	BDL
2101	Vestibule- 4508A	B	White	Metal	Door Casing	0.6	0.3	Lead-Containing
2102	Vestibule- 4508A	A	White	Metal	Door Face	0	0.2	BDL
2103	East Central Mechanical Room-4000M3	A	White	CMU	Wall	0	0.3	BDL
2104	East Central Mechanical Room-4000M3	B	White	CMU	Wall	0	0.3	BDL
2105	East Central Mechanical Room-4000M3	B	White	Metal	Door Face	0	0.2	BDL
2106	East Central Mechanical Room-4000M3	B	White	Metal	Door Casing	0.5	0.3	Lead-Containing
2107	East Central Mechanical Room-4000M3	C	White	Gypsum	Wall	0	0.2	BDL
2108	East Central Mechanical Room-4000M3	D	White	CMU	Wall	0.2	0.3	BDL
2109	East Central Mechanical Room-4000M3	D	White	Metal	Door Face	0	0.2	BDL
2110	East Central Mechanical Room-4000M3	D	White	Metal	Door Casing	0.5	0.3	Lead-Containing
2111	East Central Mechanical Room-4000M3	D	Gray	Concrete	Floor	0	0.3	BDL
2112	East Central Mechanical Room-4000M3	D	Gray	Concrete	Floor	0.1	0.3	BDL
2113	East Central Mechanical Room-4000M3	D	Yellow	Concrete	Floor	0	0.3	BDL
2114	East Central Mechanical Room-4000M3	D	Burgundy	Metal	Beam	0	0.3	BDL
2115	*Calibration NIST 2573*					1.2	0.1	*Valid*
2116	*Calibration NIST 2573*					1.2	0.2	
2117	*Calibration NIST 2573*					1.2	0.1	
2118	*Calibration Blank*					0.1	0.3	*Valid*
2119	*Calibration Blank*					0.1	0.3	
2120	*Calibration Blank*					0.1	0.3	

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Appendix V: Laboratory Report(s)

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E, App.E

NVLAP TESTING NVLAP LAB CODE 200664-0

AIHA ACCREDITED LABS.ORG Lab ID # 173190

Customer: ECS Capital Services, PLLC
1310 L Street NW
Washington, DC 20005

Attn: Jenn Turner

Project: 47:12287 NMAH East Mech Rooms & Corridors

Lab Order ID: 71982732
Analysis ID: 71982732_PLM
Date Received: 1/4/2022
Date Reported: 1/12/2022

Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
1	Brown Caulking	**None Detected**		**100% Other**	Brown Non Fibrous Heterogeneous
71982732PLM_1					Ashed
2	Brown Caulking	**None Detected**		**100% Other**	Brown Non Fibrous Heterogeneous
71982732PLM_2					Ashed
3	White Pipe Bridge Mastic on Blower	**None Detected**	**10% Fiber Glass**	**90% Other**	White Non Fibrous Heterogeneous
71982732PLM_3					Ashed
4	White Pipe Bridge Mastic on Blower	**None Detected**	**10% Fiber Glass**	**90% Other**	White Non Fibrous Heterogeneous
71982732PLM_4					Ashed
5	White Pipe Bridge Mastic on Blower	**None Detected**	**10% Fiber Glass**	**90% Other**	White Non Fibrous Heterogeneous
71982732PLM_5					Ashed
6	White Cloth Pipe TSI on Blower	**None Detected**	**70% Cellulose**	**30% Other**	Beige Fibrous Heterogeneous
71982732PLM_6					Ashed
7	White Cloth Pipe TSI on Blower	**None Detected**	**70% Cellulose**	**30% Other**	Beige Fibrous Heterogeneous
71982732PLM_7					Ashed
8	White Cloth Pipe TSI on Blower	**None Detected**	**70% Cellulose**	**30% Other**	Beige Fibrous Heterogeneous
71982732PLM_8					Ashed

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Jalen Moore (104)

Analyst

Approved Signatory

P-F-002 r15 1/16/2021

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E, App.E

NVLAP TESTING NVLAP LAB CODE 200664-0

INDUSTRIAL HYGIENE ISO/IEC 17025:2017 Accredited Laboratory AIHA LAP, LLC AIHAACCREDITEDLABS.ORG Lab ID # 173190

Customer: ECS Capital Services, PLLC
1310 L Street NW
Washington, DC 20005

Attn: Jenn Turner

Project: 47:12287 NMAH East Mech Rooms & Corridors

Lab Order ID: 71982732
Analysis ID: 71982732_PLM
Date Received: 1/4/2022
Date Reported: 1/12/2022

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
9	White CMU Texture	**None Detected**		**100% Other**	White Non Fibrous Heterogeneous
71982732PLM_9					Crushed
10	White CMU Texture	**None Detected**		**100% Other**	White Non Fibrous Heterogeneous
71982732PLM_10					Crushed
11	White TSI on Belt	**None Detected**	**40% Cellulose** **40% Fiber Glass**	**20% Other**	White Fibrous Heterogeneous
71982732PLM_11					Ashed
12	White TSI on Belt	**None Detected**	**40% Cellulose** **40% Fiber Glass**	**20% Other**	White Fibrous Heterogeneous
71982732PLM_12					Ashed
13	White TSI on Belt	**None Detected**	**40% Cellulose** **40% Fiber Glass**	**20% Other**	White Fibrous Heterogeneous
71982732PLM_13					Ashed
14	White TSI on ACU-6	**None Detected**	**70% Cellulose**	**30% Other**	Beige Fibrous Heterogeneous
71982732PLM_14					Ashed
15	White TSI on ACU-6	**None Detected**	**70% Cellulose**	**30% Other**	Beige Fibrous Heterogeneous
71982732PLM_15					Ashed
16	White TSI on ACU-6	**None Detected**	**70% Cellulose**	**30% Other**	Beige Fibrous Heterogeneous
71982732PLM_16					Ashed

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Jalen Moore (104)

Analyst

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P-F-002 r15 1/16/2021

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E, App.E

NVLAP TESTING NVLAP LAB CODE 200664-0

Lab ID # 173190

Customer: ECS Capital Services, PLLC
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Lab Order ID: 71982732
Analysis ID: 71982732_PLM
Date Received: 1/4/2022
Date Reported: 1/12/2022

Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
17	Black Mastic & TSI Wrap	**5% Chrysotile**	**35% Cellulose** **20% Fiber Glass**	**40% Other**	Black Non Fibrous Heterogeneous
71982732PLM_17					Dissolved
18	Black Mastic & TSI Wrap	**Not Analyzed**			
71982732PLM_18					
19	Black Mastic & TSI Wrap	**Not Analyzed**			
71982732PLM_19					
20	White Residual Insulation on HVAC Ductwork	**40% Chrysotile**		**60% Other**	White Non Fibrous Heterogeneous
71982732PLM_20					Teased
21	White Residual Insulation on HVAC Ductwork	**Not Analyzed**			
71982732PLM_21					
22	White Residual Insulation on HVAC Ductwork	**Not Analyzed**			
71982732PLM_22					
23	Beige Pipe Bridge Mastic	**None Detected**		**100% Other**	Beige Non Fibrous Heterogeneous
71982732PLM_23					Ashed
24	Beige Pipe Bridge Mastic	**None Detected**		**100% Other**	Beige Non Fibrous Heterogeneous
71982732PLM_24					Ashed

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Jalen Moore (104)

Analyst

Approved Signatory

P-F-002 r15 1/16/2021

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E, App.E

Customer: ECS Capital Services, PLLC
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Washington, DC 20005

Attn: Jenn Turner

Project: 47:12287 NMAH East Mech Rooms & Corridors

Lab Order ID: 71982732
Analysis ID: 71982732_PLM
Date Received: 1/4/2022
Date Reported: 1/12/2022

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
25 *71982732PLM_25*	Beige Pipe Bridge Mastic	**None Detected**		**100% Other**	Beige Non Fibrous Heterogeneous Ashed
26 *71982732PLM_26*	Silver Caulking AC-12	**None Detected**		**100% Other**	Silver Non Fibrous Heterogeneous Ashed
27 *71982732PLM_27*	Silver Caulking AC-12	**None Detected**		**100% Other**	Silver Non Fibrous Heterogeneous Ashed
28 *71982732PLM_28*	Gold Caulking AC-12	**None Detected**		**100% Other**	Brown Non Fibrous Heterogeneous Dissolved
29 *71982732PLM_29*	Gold Caulking AC-12	**None Detected**		**100% Other**	Brown Non Fibrous Heterogeneous Dissolved
30 *71982732PLM_30*	White TSI AC-12	**None Detected**	**70% Cellulose**	**30% Other**	White Fibrous Heterogeneous Ashed
31 *71982732PLM_31*	White TSI AC-12	**None Detected**	**70% Cellulose**	**30% Other**	White Fibrous Heterogeneous Ashed
32 *71982732PLM_32*	White TSI AC-12	**None Detected**	**70% Cellulose**	**30% Other**	White Fibrous Heterogeneous Ashed

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E, App.E

Customer: ECS Capital Services, PLLC
1310 L Street NW
Washington, DC 20005

Attn: Jenn Turner

Project: 47:12287 NMAH East Mech Rooms & Corridors

Lab Order ID: 71982732
Analysis ID: 71982732_PLM
Date Received: 1/4/2022
Date Reported: 1/12/2022

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
33 *71982732PLM_33*	Off-white CMU Texture	**None Detected**		**100% Other**	Gray Non Fibrous Heterogeneous Crushed
34 *71982732PLM_34*	Off-white CMU Texture	**None Detected**		**100% Other**	Gray Non Fibrous Heterogeneous Crushed
35 *71982732PLM_35*	Red Firestop	**None Detected**		**100% Other**	Red Non Fibrous Heterogeneous Ashed
36 *71982732PLM_36*	Red Firestop	**None Detected**		**100% Other**	Red Non Fibrous Heterogeneous Ashed
37 *71982732PLM_37*	White TSI ACU-7	**None Detected**	**40% Cellulose** **40% Fiber Glass**	**20% Other**	Beige Fibrous Heterogeneous Ashed
38 *71982732PLM_38*	White TSI ACU-7	**None Detected**	**40% Cellulose** **40% Fiber Glass**	**20% Other**	Beige Fibrous Heterogeneous Ashed
39 *71982732PLM_39*	White TSI ACU-7	**None Detected**	**40% Cellulose** **40% Fiber Glass**	**20% Other**	Beige Fibrous Heterogeneous Ashed
40 *71982732PLM_40*	White Brige Pipe Mastic ACU -7	**None Detected**		**100% Other**	White Non Fibrous Heterogeneous Ashed

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Bulk Asbestos Analysis

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EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E, App.E

NVLAP TESTING NVLAP LAB CODE 200664-0

AIHA ACCREDITED LABS.ORG Lab ID # 173190

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Project: 47:12287 NMAH East Mech Rooms & Corridors

Lab Order ID: 71982732
Analysis ID: 71982732_PLM
Date Received: 1/4/2022
Date Reported: 1/12/2022

Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
41	White Brige Pipe Mastic ACU -7	None Detected		100% Other	White Non Fibrous Heterogeneous
71982732PLM_41					Ashed
42	White Brige Pipe Mastic ACU -7	None Detected		100% Other	White Non Fibrous Heterogeneous
71982732PLM_42					Ashed
43	Off-white Metal Pipe Bridge Mastic	None Detected	60% Cellulose	40% Other	White Fibrous Heterogeneous
71982732PLM_43					Ashed
44	Off-white Metal Pipe Bridge Mastic	None Detected	60% Cellulose	40% Other	White Fibrous Heterogeneous
71982732PLM_44					Ashed
45	Off-white Metal Pipe Bridge Mastic	None Detected	60% Cellulose	40% Other	White Fibrous Heterogeneous
71982732PLM_45					Ashed
46	2'x4' White Pinhole Ceiling Tile	None Detected	45% Cellulose 45% Fiber Glass	10% Other	Gray Fibrous Heterogeneous
71982732PLM_46					Ashed
47	2'x4' White Pinhole Ceiling Tile	None Detected	45% Cellulose 45% Fiber Glass	10% Other	Gray Fibrous Heterogeneous
71982732PLM_47					Ashed
48	2'x4' Off-white Pinhole Ceiling Tile	None Detected	45% Cellulose 45% Fiber Glass	10% Other	Gray Fibrous Heterogeneous
71982732PLM_48					Ashed

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E, App.E

NVLAP TESTING NVLAP LAB CODE 200664-0

Lab ID # 173190

Customer: ECS Capital Services, PLLC
1310 L Street NW
Washington, DC 20005

Attn: Jenn Turner

Project: 47:12287 NMAH East Mech Rooms & Corridors

Lab Order ID: 71982732
Analysis ID: 71982732_PLM
Date Received: 1/4/2022
Date Reported: 1/12/2022

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
49	2'x4' Off-white Pinhole Ceiling Tile	None Detected	45% Cellulose 45% Fiber Glass	10% Other	Gray Fibrous Heterogeneous
71982732PLM_49					Ashed
50 - A	Plaster	None Detected		100% Other	White Non Fibrous Heterogeneous
71982732PLM_50	*finish*				Crushed
50 - B	Plaster	None Detected		100% Other	Gray Non Fibrous Heterogeneous
71982732PLM_105	*base*				Crushed
51 - A	Plaster	None Detected		100% Other	Gray Non Fibrous Heterogeneous
71982732PLM_51	*finish*				Crushed
51 - B	Plaster	None Detected		100% Other	Gray Non Fibrous Heterogeneous
71982732PLM_93	*base*				Crushed
52 - A	Plaster	None Detected		100% Other	White Non Fibrous Heterogeneous
71982732PLM_52	*finish*				Crushed
52 - B	Plaster	None Detected		100% Other	Gray Non Fibrous Heterogeneous
71982732PLM_94	*base*				Crushed
53	Joint Compound	None Detected		100% Other	White Non Fibrous Heterogeneous
71982732PLM_53					Crushed

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Analysis ID: 71982732_PLM
Date Received: 1/4/2022
Date Reported: 1/12/2022

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
54 *71982732PLM_54*	Joint Compound	None Detected		100% Other	White Non Fibrous Heterogeneous Crushed
55 *71982732PLM_55*	Joint Compound	None Detected		100% Other	White Non Fibrous Heterogeneous Crushed
56 *71982732PLM_56*	Drywall	None Detected		100% Other	White Non Fibrous Heterogeneous Crushed
57 *71982732PLM_57*	Drywall	None Detected		100% Other	White Non Fibrous Heterogeneous Crushed
58 *71982732PLM_58*	Drywall	None Detected	10% Cellulose	90% Other	White Non Fibrous Homogeneous Crushed
59 - A *71982732PLM_59*	3" Black Covebase with Yellow Mastic *covebase*	None Detected		100% Other	Black Non Fibrous Homogeneous Ashed
59 - B *71982732PLM_96*	3" Black Covebase with Yellow Mastic *mastic*	None Detected		100% Other	Cream Non Fibrous Homogeneous Ashed
60 - A *71982732PLM_60*	3" Black Covebase with Yellow Mastic *covebase*	None Detected		100% Other	Black Non Fibrous Homogeneous Ashed

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Jalen Moore (104)

Analyst

Approved Signatory

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E, App.E

NVLAP TESTING NVLAP LAB CODE 200664-0

Customer: ECS Capital Services, PLLC
1310 L Street NW
Washington, DC 20005

Attn: Jenn Turner

Project: 47:12287 NMAH East Mech Rooms & Corridors

Lab Order ID: 71982732
Analysis ID: 71982732_PLM
Date Received: 1/4/2022
Date Reported: 1/12/2022

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
60 - B *71982732PLM_97*	3" Black Covebase with Yellow Mastic *mastic*	**None Detected**		**100% Other**	Cream Non Fibrous Homogeneous Ashed
61 - A *71982732PLM_61*	3" Black Door Tread with Yellow Mastic *door tread*	**None Detected**		**100% Other**	Black Non Fibrous Homogeneous Ashed
61 - B *71982732PLM_98*	3" Black Door Tread with Yellow Mastic *mastic*	**None Detected**		**100% Other**	Cream Non Fibrous Homogeneous Ashed
62 - A *71982732PLM_62*	3" Black Door Tread with Yellow Mastic *door tread*	**None Detected**		**100% Other**	Black Non Fibrous Homogeneous Ashed
62 - B *71982732PLM_99*	3" Black Door Tread with Yellow Mastic *mastic*	**None Detected**		**100% Other**	Cream Non Fibrous Homogeneous Ashed
63 *71982732PLM_63*	Red Firestop	**None Detected**		**100% Other**	Pink Non Fibrous Homogeneous Ashed
64 *71982732PLM_64*	Red Firestop	**None Detected**		**100% Other**	Pink Non Fibrous Homogeneous Ashed
65 *71982732PLM_65*	White/Brown Caulking	**None Detected**		**100% Other**	White Non Fibrous Homogeneous Ashed

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Jalen Moore (104)

Analyst

Approved Signatory

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E, App.E

NVLAP TESTING NVLAP LAB CODE 200664-0

AIHA ACCREDITED LABS.ORG Lab ID # 173190

Customer: ECS Capital Services, PLLC
1310 L Street NW
Washington, DC 20005

Attn: Jenn Turner

Project: 47:12287 NMAH East Mech Rooms & Corridors

Lab Order ID: 71982732
Analysis ID: 71982732_PLM
Date Received: 1/4/2022
Date Reported: 1/12/2022

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
66	White/Brown Caulking	None Detected		100% Other	White Non Fibrous Homogeneous
71982732PLM_66					Ashed
67	White CMU Finish	None Detected		100% Other	Tan, Gray Non Fibrous Heterogeneous
71982732PLM_67					Crushed
68	White CMU Finish	None Detected		100% Other	Tan, Gray Non Fibrous Heterogeneous
71982732PLM_68					Crushed
69	Silver Caulking	None Detected		100% Other	Silver Non Fibrous Homogeneous
71982732PLM_69					Ashed
70	Silver Caulking	None Detected		100% Other	Silver Non Fibrous Homogeneous
71982732PLM_70					Ashed
71	Red Expansion Joint Caulking	None Detected		100% Other	Red Non Fibrous Homogeneous
71982732PLM_71					Ashed
72	Red Expansion Joint Caulking	None Detected		100% Other	Red Non Fibrous Homogeneous
71982732PLM_72					Ashed
73	Gray Caulking	None Detected		100% Other	Gray Non Fibrous Homogeneous
71982732PLM_73					Ashed

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Jalen Moore (104)

Analyst

Approved Signatory

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E, App.E

Customer: ECS Capital Services, PLLC
1310 L Street NW
Washington, DC 20005

Attn: Jenn Turner

Project: 47:12287 NMAH East Mech Rooms & Corridors

Lab Order ID: 71982732
Analysis ID: 71982732_PLM
Date Received: 1/4/2022
Date Reported: 1/12/2022

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
74 *71982732PLM_74*	Gray Caulking	None Detected		100% Other	Gray Non Fibrous Homogeneous Ashed
75 *71982732PLM_75*	White Brige Pipe Mastic AC-5	None Detected	10% Wollastonite	90% Other	White Non Fibrous Homogeneous Ashed
76 *71982732PLM_76*	White Bridge Pipe Mastic AC-11	None Detected	10% Wollastonite	90% Other	White Non Fibrous Homogeneous Ashed
77 *71982732PLM_77*	White Bridge Pipe Mastic Low Pressure Piping	None Detected	10% Wollastonite	90% Other	White Non Fibrous Homogeneous Ashed
78 *71982732PLM_78*	White Bridge Pipe Mastic AC-11	None Detected	10% Wollastonite	90% Other	White Non Fibrous Homogeneous Ashed
79 *71982732PLM_79*	White Bridge Pipe Mastic AC-10	None Detected	10% Wollastonite	90% Other	White Non Fibrous Homogeneous Ashed
80 *71982732PLM_80*	White Pipe Sealant AC-11	None Detected	10% Wollastonite	90% Other	White Non Fibrous Homogeneous Ashed
81 *71982732PLM_81*	White Pipe Sealant AC-10	None Detected	10% Wollastonite	90% Other	White Non Fibrous Homogeneous Ashed

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Jalen Moore (104)

Analyst

Approved Signatory

P-F-002 r15 1/16/2021

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E, App.E

NVLAP TESTING NVLAP LAB CODE 200664-0

Lab ID # 173190

Customer: ECS Capital Services, PLLC
1310 L Street NW
Washington, DC 20005

Attn: Jenn Turner

Project: 47:12287 NMAH East Mech Rooms & Corridors

Lab Order ID: 71982732
Analysis ID: 71982732_PLM
Date Received: 1/4/2022
Date Reported: 1/12/2022

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
82 *71982732PLM_82*	Drywall	None Detected	10% Cellulose	90% Other	White Non Fibrous Homogeneous Crushed
83 *71982732PLM_83*	Drywall	None Detected	10% Cellulose	90% Other	White Non Fibrous Homogeneous Crushed
84 *71982732PLM_84*	Drywall	None Detected	10% Cellulose	90% Other	White Non Fibrous Homogeneous Crushed
85 *71982732PLM_85*	Joint Compound	None Detected		100% Other	White Non Fibrous Homogeneous Crushed
86 *71982732PLM_86*	Joint Compound	None Detected		100% Other	White Non Fibrous Homogeneous Crushed
87 *71982732PLM_87*	Joint Compound	None Detected		100% Other	White Non Fibrous Homogeneous Crushed
88 - A *71982732PLM_88*	TSI Wrap AC-5 *wrap*	None Detected	55% Cellulose 15% Fiber Glass	30% Other	White Fibrous Heterogeneous Ashed
88 - B *71982732PLM_100*	TSI Wrap AC-5 *insulation*	None Detected	90% Fiber Glass	10% Other	Yellow Fibrous Homogeneous Teased

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Jalen Moore (104)

Analyst

Approved Signatory

P-F-002 r15 1/16/2021

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E, App.E

NVLAP TESTING NVLAP LAB CODE 200664-0

AIHA ACCREDITED LABS.ORG Lab ID # 173190

Customer: ECS Capital Services, PLLC
1310 L Street NW
Washington, DC 20005

Attn: Jenn Turner

Project: 47:12287 NMAH East Mech Rooms & Corridors

Lab Order ID: 71982732
Analysis ID: 71982732_PLM
Date Received: 1/4/2022
Date Reported: 1/12/2022

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
89 - A *71982732PLM_89*	TSI Wrap AC-11 *wrap*	**None Detected**	**55% Cellulose** **15% Fiber Glass**	**30% Other**	White Fibrous Heterogeneous Ashed
89 - B *71982732PLM_101*	TSI Wrap AC-11 *insulation*	**None Detected**	**90% Fiber Glass**	**10% Other**	Yellow Fibrous Homogeneous Teased
90 - A *71982732PLM_90*	TSI Wrap Low Pressure Piping *wrap*	**None Detected**	**55% Cellulose** **15% Fiber Glass**	**30% Other**	White Fibrous Heterogeneous Ashed
90 - B *71982732PLM_102*	TSI Wrap Low Pressure Piping *insulation*	**None Detected**	**90% Fiber Glass**	**10% Other**	Yellow Fibrous Homogeneous Teased
91 - A *71982732PLM_91*	TSI Wrap AC-11 *wrap*	**None Detected**	**55% Cellulose** **15% Fiber Glass**	**30% Other**	White Fibrous Heterogeneous Ashed
91 - B *71982732PLM_103*	TSI Wrap AC-11 *insulation*	**None Detected**	**90% Fiber Glass**	**10% Other**	Yellow Fibrous Homogeneous Teased
92 - A *71982732PLM_92*	TSI Wrap AC-10 *wrap*	**None Detected**	**55% Cellulose** **15% Fiber Glass**	**30% Other**	White Fibrous Heterogeneous Ashed
92 - B *71982732PLM_104*	TSI Wrap AC-10 *insulation*	**None Detected**	**90% Fiber Glass**	**10% Other**	Yellow Fibrous Homogeneous Teased

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Jalen Moore (104)

Analyst

Approved Signatory

71982732

Client:	ECS Capitol Services PLLC
Contact:	Jennifer Turner
Address:	DC 20005
Phone:	(202)400-2188
Fax:	
Email:	jturner1@ecslimited.com
Project:	47:12287 NMAH East Mech Rooms
Client Notes:	**Positive Stop** (Except for Plaster and Drywall/Joint Compound
P.O. #:	47:12287 NMAH ~~West~~ East Mech Rooms
Date Submitted:	12/29/2021 0:00
Analysis:	PLM EPA 600/R-93/116
TurnAroundTime:	5-Day TAT

"Instructions:
Use Column "B" for your contact info

To See an Example Click the bottom Example Tab.

Enter samples between "<<" and ">>"
Begin Samples with a "<< "above the first sample and end with a ">>" below the last sample.
Only Enter your data on the first sheet "Sheet1"

Note: Data 1 and Data 2 are optional fields that do not show up on the official report, however they will be included in the electronic data returned to you to facilitate your reintegration of the report data.

Scientific Analytical Institute

4604 Dundas Drive
Greensboro, NC 27407
Phone: 336.292.3888
Fax: 336.292.3313
Email: lab@sailab.com

Sample Number	Data 1	Sample Description	Data 2
<<			
1	HA1	Brown Caulking	4000M12 East Exterior Mech Rm
2	HA1	Brown Caulking	4000M12 East Exterior Mech Rm
3	HA2	White Pipe Bridge Mastic on Blower	4000M4 East Exterior Mech Rm
4	HA2	White Pipe Bridge Mastic on Blower	4000M4 East Exterior Mech Rm
5	HA2	White Pipe Bridge Mastic on Blower	4000M4 East Exterior Mech Rm
6	HA3	White Cloth Pipe TSI on Blower	4000M4 East Exterior Mech Rm
7	HA3	White Cloth Pipe TSI on Blower	4000M4 East Exterior Mech Rm
8	HA3	White Cloth Pipe TSI on Blower	4000M4 East Exterior Mech Rm
9	HA4	White CMU Texture	4000M4 East Exterior Mech Rm
10	HA4	White CMU Texture	4000M4 East Exterior Mech Rm
11	HA5	White TSI on Belt	4000M4 East Exterior Mech Rm
12	HA5	White TSI on Belt	4000M4 East Exterior Mech Rm
13	HA5	White TSI on Belt	4000M4 East Exterior Mech Rm
14	HA6	White TSI on ACU-6	4000M4 East Exterior Mech Rm
15	HA6	White TSI on ACU-6	4000M4 East Exterior Mech Rm
16	HA6	White TSI on ACU-6	4000M4 East Exterior Mech Rm
17	HA7	Black Mastic & TSI Wrap	4000M12 East Exterior Mech Rm
18	HA7	Black Mastic & TSI Wrap	4000M12 East Exterior Mech Rm
19	HA7	Black Mastic & TSI Wrap	4000M12 East Exterior Mech Rm
20	HA8	White Residual Insulation on HVAC Ductwork	4000M12 East Exterior Mech Rm
21	HA8	White Residual Insulation on HVAC Ductwork	4000M12 East Exterior Mech Rm
22	HA8	White Residual Insulation on HVAC Ductwork	4000M12 East Exterior Mech Rm
23	HA9	Beige Pipe Bridge Mastic	4000M4 East Exterior Mech Rm
24	HA9	Beige Pipe Bridge Mastic	4000M4 East Exterior Mech Rm
25	HA9	Beige Pipe Bridge Mastic	4000M4 East Exterior Mech Rm
26	HA10	Silver Caulking AC-12	4000M4 East Exterior Mech Rm
27	HA10	Silver Caulking AC-12	4000M4 East Exterior Mech Rm
28	HA11	Gold Caulking AC-12	4000M4 East Exterior Mech Rm
29	HA11	Gold Caulking AC-12	4000M4 East Exterior Mech Rm
30	HA12	White TSI AC-12	4000M4 East Exterior Mech Rm
31	HA12	White TSI AC-12	4000M4 East Exterior Mech Rm
32	HA12	White TSI AC-12	4000M4 East Exterior Mech Rm
33	HA13	Off-white CMU Texture	4000M4 East Exterior Mech Rm
34	HA13	Off-white CMU Texture	4000M4 East Exterior Mech Rm
35	HA14	Red Firestop	4000M4 East Exterior Mech Rm
36	HA14	Red Firestop	4000M4 East Exterior Mech Rm
37	HA15	White TSI ACU-7	4000M4 East Exterior Mech Rm
38	HA15	White TSI ACU-7	4000M4 East Exterior Mech Rm
39	HA15	White TSI ACU-7	4000M4 East Exterior Mech Rm
40	HA16	White Brige Pipe Mastic ACU-7	4000M4 East Exterior Mech Rm
41	HA16	White Brige Pipe Mastic ACU-7	4000M4 East Exterior Mech Rm
42	HA16	White Brige Pipe Mastic ACU-7	4000M4 East Exterior Mech Rm
43	HA17	Off-white Metal Pipe Bridge Mastic	4000M4 East Exterior Mech Rm
44	HA17	Off-white Metal Pipe Bridge Mastic	4000M4 East Exterior Mech Rm
45	HA17	Off-white Metal Pipe Bridge Mastic	4000M4 East Exterior Mech Rm
46	HA18	2'x4' White Pinhole Ceiling Tile	4000C10 Corridor
47	HA18	2'x4' White Pinhole Ceiling Tile	4000C10 Corridor
48	HA19	2'x4' Off-white Pinhole Ceiling Tile	4000C10 Corridor
49	HA19	2'x4' Off-white Pinhole Ceiling Tile	4508A Vestibule
50	HA20	Plaster	4000C10 Corridor

Relinquished By

Accepted ☑

Rejected ☐

Received By 10:30am 1/4

51	HA20	Plaster	4000C10 Corridor
52	HA20	Plaster	4000C10 Corridor
53	HA21	Joint Compound	4000C10 Corridor
54	HA21	Joint Compound	4000C10 Corridor
55	HA21	Joint Compound	4508A Vestibule
56	HA22	Drywall	4000C10 Corridor
57	HA22	Drywall	4000C10 Corridor
58	HA22	Drywall	4508A Vestibule
59	HA23	3" Black Covebase with Yellow Mastic	4000C10 Corridor
60	HA23	3" Black Covebase with Yellow Mastic	4000C10 Corridor
61	HA23	3" Black Door Tread with Yellow Mastic	4000C10 Corridor
62	HA24	3" Black Door Tread with Yellow Mastic	4000C10 Corridor
63	HA25	Red Firestop	4508A Vestibule
64	HA25	Red Firestop	4508A Vestibule
65	HA26	White/Brown Caulking	4000M3 East Centeral Mech Rm
66	HA26	White/Brown Caulking	4000M3 East Centeral Mech Rm
67	HA27	White CMU Finish	4000M3 East Centeral Mech Rm
68	HA27	White CMU Finish	4000M3 East Centeral Mech Rm
69	HA28	Silver Caulking	4000M3 East Centeral Mech Rm
70	HA28	Silver Caulking	4000M3 East Centeral Mech Rm
71	HA29	Red Expansion Joint Caulking	4000M3 East Centeral Mech Rm
72	HA29	Red Expansion Joint Caulking	4000M3 East Centeral Mech Rm
73	HA30	Gray Caulking	4000M3 East Centeral Mech Rm
74	HA30	Gray Caulking	4000M3 East Centeral Mech Rm
75	HA31	White Brige Pipe Mastic AC-5	4000M3 East Centeral Mech Rm
76	HA31	White Bridge Pipe Mastic AC-11	4000M3 East Centeral Mech Rm
77	HA31	White Bridge Pipe Mastic Low Pressure Piping	4000M3 East Centeral Mech Rm
78	HA31	White Bridge Pipe Mastic AC-11	4000M3 East Centeral Mech Rm
79	HA31	White Bridge Pipe Mastic AC-10	4000M3 East Centeral Mech Rm
80	HA32	White Pipe Sealant AC-11	4000M3 East Centeral Mech Rm
81	HA32	White Pipe Sealant AC-10	4000M3 East Centeral Mech Rm
82	HA33	Drywall	4000M3 East Centeral Mech Rm
83	HA33	Drywall	4000M3 East Centeral Mech Rm
84	HA33	Drywall	4000M3 East Centeral Mech Rm
85	HA34	Joint Compound	4000M3 East Centeral Mech Rm
86	HA34	Joint Compound	4000M3 East Centeral Mech Rm
87	HA34	Joint Compound	4000M3 East Centeral Mech Rm
88	HA35	TSI Wrap AC-5	4000M3 East Centeral Mech Rm
89	HA35	TSI Wrap AC-11	4000M3 East Centeral Mech Rm
90	HA35	TSI Wrap Low Pressure Piping	4000M3 East Centeral Mech Rm
91	HA35	TSI Wrap AC-11	4000M3 East Centeral Mech Rm
92	HA35	TSI Wrap AC-10	4000M3 East Centeral Mech Rm

Relinquished By

Received By

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E, App.E

NVLAP TESTING NVLAP LAB CODE 200664-0

INDUSTRIAL HYGIENE ISO/IEC 17025:2017 Accredited Laboratory AIHA LAP, LLC AIHAACCREDITEDLABS.ORG Lab ID # 173190

Customer: ECS Capital Services, PLLC
1310 L Street NW
Washington, DC 20005

Attn: Jenn Turner

Project: 47:12287 NMAH West Mech Rooms & Corridors

Lab Order ID: 71982734
Analysis ID: 71982734_PLM
Date Received: 1/4/2022
Date Reported: 1/12/2022

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
54	Gray Pipe Sealant	None Detected		100% Other	Gray Non Fibrous Heterogeneous
71982734PLM_1					Dissolved
55	Gray Pipe Sealant	None Detected		100% Other	Gray Non Fibrous Heterogeneous
71982734PLM_2					Dissolved
56	Light Gray Pipe Sealant	None Detected		100% Other	Grayish Non Fibrous Heterogeneous
71982734PLM_3					Dissolved
57	Light Gray Pipe Sealant	None Detected		100% Other	Grayish Non Fibrous Heterogeneous
71982734PLM_4					Dissolved
58	Silver Caulking	None Detected		100% Other	Silver Non Fibrous Homogeneous
71982734PLM_5					Ashed
59	Silver Caulking	None Detected		100% Other	Silver Non Fibrous Homogeneous
71982734PLM_6					Ashed
60	White HVAC Sealant	None Detected		100% Other	White Non Fibrous Heterogeneous
71982734PLM_7					Dissolved
61	White HVAC Sealant	None Detected		100% Other	White Non Fibrous Heterogeneous
71982734PLM_8					Dissolved

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Eloisa Blake (78)

Analyst

Approved Signatory

P-F-002 r15 1/16/2021

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E, App.E

NVLAP TESTING NVLAP LAB CODE 200664-0

Lab ID # 173190

Customer: ECS Capital Services, PLLC
1310 L Street NW
Washington, DC 20005

Attn: Jenn Turner

Project: 47:12287 NMAH West Mech Rooms & Corridors

Lab Order ID: 71982734
Analysis ID: 71982734_PLM
Date Received: 1/4/2022
Date Reported: 1/12/2022

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
62	White/Brown CUM Texture	None Detected		100% Other	White, Brown Non Fibrous Heterogeneous
71982734PLM_9					Crushed
63	White/Brown CUM Texture	None Detected		100% Other	White, Brown Non Fibrous Heterogeneous
71982734PLM_10					Crushed
64	White Cloth TSI Wrap	None Detected	40% Cellulose	60% Other	White Fibrous Heterogeneous
71982734PLM_11					Dissolved
65	White Cloth TSI Wrap	None Detected	40% Cellulose	60% Other	White Fibrous Heterogeneous
71982734PLM_12					Dissolved
66	White Cloth TSI Wrap	None Detected	40% Cellulose	60% Other	White Fibrous Heterogeneous
71982734PLM_13					Dissolved
67	Red Firestop	None Detected		100% Other	Red, Pink Non Fibrous Homogeneous
71982734PLM_14					Dissolved
68	Red Firestop	None Detected		100% Other	Red, Pink Non Fibrous Homogeneous
71982734PLM_15					Dissolved
69	Light Red Firestop	None Detected		100% Other	Pink Non Fibrous Heterogeneous
71982734PLM_16					Dissolved

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Eloisa Blake (78)

Analyst

Approved Signatory

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E, App.E

NVLAP TESTING NVLAP LAB CODE 200664-0

AIHA ACCREDITED LABS.ORG Lab ID # 173190

Customer: ECS Capital Services, PLLC
1310 L Street NW
Washington, DC 20005

Attn: Jenn Turner

Project: 47:12287 NMAH West Mech Rooms & Corridors

Lab Order ID: 71982734
Analysis ID: 71982734_PLM
Date Received: 1/4/2022
Date Reported: 1/12/2022

Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
70	Light Red Firestop	None Detected		100% Other	Pink Non Fibrous Heterogeneous
71982734PLM_17					Dissolved
71	White Expansion Joint Caulking	None Detected		100% Other	White Non Fibrous Homogeneous
71982734PLM_18					Dissolved
72	White Expansion Joint Caulking	None Detected		100% Other	White Non Fibrous Homogeneous
71982734PLM_19					Dissolved
73	White Pipe Bridge Mastic	None Detected	20% Cellulose	80% Other	White Non Fibrous Heterogeneous
71982734PLM_20					Dissolved
74	White Pipe Bridge Mastic	None Detected	20% Cellulose	80% Other	White Non Fibrous Heterogeneous
71982734PLM_21					Dissolved
75	White TSI Wrap	None Detected	20% Cellulose	80% Other	White Non Fibrous Heterogeneous
71982734PLM_22					Dissolved
76	White TSI Wrap	None Detected	20% Cellulose	80% Other	White Non Fibrous Heterogeneous
71982734PLM_23					Dissolved
77	Drywall	None Detected	10% Cellulose	90% Other	Grayish Non Fibrous Heterogeneous
71982734PLM_24					Crushed

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EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E, App.E

NVLAP TESTING NVLAP LAB CODE 200664-0

Lab ID # 173190

Customer: ECS Capital Services, PLLC
1310 L Street NW
Washington, DC 20005

Attn: Jenn Turner

Project: 47:12287 NMAH West Mech Rooms & Corridors

Lab Order ID: 71982734
Analysis ID: 71982734_PLM
Date Received: 1/4/2022
Date Reported: 1/12/2022

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
78 *71982734PLM_25*	Drywall	None Detected	10% Cellulose	90% Other	Grayish Non Fibrous Heterogeneous Crushed
79 *71982734PLM_26*	Drywall	None Detected	10% Cellulose	90% Other	Grayish Non Fibrous Heterogeneous Crushed
80 *71982734PLM_27*	Joint Compound	None Detected		100% Other	White Non Fibrous Homogeneous Crushed
81 *71982734PLM_28*	Joint Compound	None Detected		100% Other	White Non Fibrous Homogeneous Crushed
82 *71982734PLM_29*	Joint Compound	None Detected		100% Other	White Non Fibrous Homogeneous Crushed
83 *71982734PLM_30*	White Door Caulk	None Detected		100% Other	White Non Fibrous Homogeneous Dissolved
84 *71982734PLM_31*	White Door Caulk	None Detected		100% Other	White Non Fibrous Homogeneous Dissolved
85 *71982734PLM_32*	2'x2' White Pinhole Ceiling Tile	None Detected	40% Cellulose 40% Fiber Glass	20% Other	Grayish Fibrous Heterogeneous Teased

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Eloisa Blake (78)

Analyst

Approved Signatory

P-F-002 r15 1/16/2021

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E, App.E

NVLAP TESTING NVLAP LAB CODE 200664-0

Lab ID # 173190

Customer: ECS Capital Services, PLLC
1310 L Street NW
Washington, DC 20005

Attn: Jenn Turner

Project: 47:12287 NMAH West Mech Rooms & Corridors

Lab Order ID: 71982734
Analysis ID: 71982734_PLM
Date Received: 1/4/2022
Date Reported: 1/12/2022

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
86 *71982734PLM_33*	2'x2' White Pinhole Ceiling Tile	None Detected	40% Cellulose 40% Fiber Glass	20% Other	Grayish Fibrous Heterogeneous Teased
87 *71982734PLM_34*	2'x4' White Pinhole Ceiling Tile	None Detected	40% Cellulose 40% Fiber Glass	20% Other	Grayish Fibrous Heterogeneous Teased
88 *71982734PLM_35*	2'x4' White Pinhole Ceiling Tile	None Detected	40% Cellulose 40% Fiber Glass	20% Other	Grayish Fibrous Heterogeneous Teased
89 *71982734PLM_36*	2'x4' Off-white Pinhole Ceiling Tile	None Detected	40% Cellulose 40% Fiber Glass	20% Other	Grayish Fibrous Heterogeneous Teased
90 *71982734PLM_37*	2'x4' Off-white Pinhole Ceiling Tile	None Detected	40% Cellulose 40% Fiber Glass	20% Other	Grayish Fibrous Heterogeneous Teased
91 *71982734PLM_38*	2'x4' White Pinhole Ceiling Tile	None Detected	40% Cellulose 40% Fiber Glass	20% Other	Grayish Fibrous Heterogeneous Teased
92 *71982734PLM_39*	2'x4' White Pinhole Ceiling Tile	None Detected	40% Cellulose 40% Fiber Glass	20% Other	Grayish Fibrous Heterogeneous Teased
93 - A *71982734PLM_40*	3" Black Covebase with Yellow Mastic *covebase*	None Detected		100% Other	Black Non Fibrous Homogeneous Dissolved

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E, App.E

Customer: ECS Capital Services, PLLC
1310 L Street NW
Washington, DC 20005

Attn: Jenn Turner

Project: 47:12287 NMAH West Mech Rooms & Corridors

Lab Order ID: 71982734
Analysis ID: 71982734_PLM
Date Received: 1/4/2022
Date Reported: 1/12/2022

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
93 - B *71982734PLM_74*	3" Black Covebase with Yellow Mastic *mastic*	**None Detected**		**100% Other**	Yellow Non Fibrous Homogeneous Dissolved
94 - A *71982734PLM_41*	3" Black Covebase with Yellow Mastic *covebase*	**None Detected**		**100% Other**	Black Non Fibrous Homogeneous Dissolved
94 - B *71982734PLM_75*	3" Black Covebase with Yellow Mastic *mastic*	**None Detected**		**100% Other**	Yellow Non Fibrous Homogeneous Dissolved
95 *71982734PLM_42*	Drywall	**None Detected**	**10% Cellulose**	**90% Other**	Grayish Non Fibrous Heterogeneous Crushed
96 *71982734PLM_43*	Drywall	**None Detected**	**10% Cellulose**	**90% Other**	Grayish Non Fibrous Heterogeneous Crushed
97 *71982734PLM_44*	Drywall	**None Detected**	**10% Cellulose**	**90% Other**	Grayish Non Fibrous Heterogeneous Crushed
98 *71982734PLM_45*	Joint Compound	**2% Chrysotile**		**98% Other**	Tan, Grayish Non Fibrous Homogeneous Crushed
99 *71982734PLM_46*	Joint Compound	**2% Chrysotile**		**98% Other**	Tan, Grayish Non Fibrous Homogeneous Crushed

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P-F-002 r15 1/16/2021

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E, App.E

NVLAP TESTING NVLAP LAB CODE 200664-0

INDUSTRIAL HYGIENE ISO/IEC 17025:2017 Accredited Laboratory AIHA LAP, LLC AIHAACCREDITEDLABS.ORG Lab ID # 173190

Customer: ECS Capital Services, PLLC
1310 L Street NW
Washington, DC 20005

Attn: Jenn Turner

Project: 47:12287 NMAH West Mech Rooms & Corridors

Lab Order ID: 71982734
Analysis ID: 71982734_PLM
Date Received: 1/4/2022
Date Reported: 1/12/2022

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
100 *71982734PLM_47*	Joint Compound	**2% Chrysotile**		**98% Other**	Grayish, Tan Non Fibrous Homogeneous Crushed
101 *71982734PLM_48*	Brown Glue Dot Mastic	**None Detected**		**100% Other**	Brown Non Fibrous Homogeneous Dissolved
102 *71982734PLM_49*	Brown Glue Dot Mastic	**None Detected**		**100% Other**	Brown Non Fibrous Homogeneous Dissolved
103 *71982734PLM_50*	Joint Compound Assoicated with Plaster Walls	**None Detected**		**100% Other**	White Non Fibrous Homogeneous Crushed
104 *71982734PLM_51*	Joint Compound Assoicated with Plaster Walls	**None Detected**		**100% Other**	White Non Fibrous Homogeneous Crushed
105 - A *71982734PLM_52*	Plaster *finish*	**None Detected**		**100% Other**	White Non Fibrous Homogeneous Crushed
105 - B *71982734PLM_76*	Plaster *base*	**None Detected**		**100% Other**	Tan Non Fibrous Heterogeneous Crushed
106 - A *71982734PLM_53*	Plaster *finish*	**None Detected**		**100% Other**	White Non Fibrous Homogeneous Crushed

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Bulk Asbestos Analysis

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EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E, App.E

NVLAP TESTING NVLAP LAB CODE 200664-0

Lab ID # 173190

Customer: ECS Capital Services, PLLC
1310 L Street NW
Washington, DC 20005

Attn: Jenn Turner

Project: 47:12287 NMAH West Mech Rooms & Corridors

Lab Order ID: 71982734
Analysis ID: 71982734_PLM
Date Received: 1/4/2022
Date Reported: 1/12/2022

Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
106 - B	Plaster	**None Detected**		**100% Other**	Tan Non Fibrous Heterogeneous
71982734PLM_77	*base*				Crushed
107 - A	Plaster	**None Detected**		**100% Other**	White Non Fibrous Homogeneous
71982734PLM_54	*finish*				Crushed
107 - B	Plaster	**None Detected**		**100% Other**	Tan Non Fibrous Heterogeneous
71982734PLM_78	*base*				Crushed
108	Fireproofing	**None Detected**	**25% Cellulose** **5% Fiber Glass**	**70% Other**	Gray Fibrous Heterogeneous
71982734PLM_55					Crushed
109	Fireproofing	**None Detected**	**25% Cellulose** **5% Fiber Glass**	**70% Other**	Gray Fibrous Heterogeneous
71982734PLM_56					Crushed
110	Red Firestop	**None Detected**		**100% Other**	Red Non Fibrous Heterogeneous
71982734PLM_57					Ashed
111	Red Firestop	**None Detected**	**30% Cellulose** **30% Fiber Glass**	**40% Other**	White, Brown Fibrous Heterogeneous
71982734PLM_58					Dissolved
112	White Cloth TSI Wrap	**None Detected**	**30% Cellulose** **30% Fiber Glass**	**40% Other**	White, Brown Fibrous Heterogeneous
71982734PLM_59					Dissolved

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Eloisa Blake (78)

Analyst

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P-F-002 r15 1/16/2021

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E, App.E

Customer: ECS Capital Services, PLLC
1310 L Street NW
Washington, DC 20005

Attn: Jenn Turner

Project: 47:12287 NMAH West Mech Rooms & Corridors

Lab Order ID: 71982734
Analysis ID: 71982734_PLM
Date Received: 1/4/2022
Date Reported: 1/12/2022

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
113 *71982734PLM_60*	White Cloth TSI Wrap	**None Detected**	**30% Cellulose** **30% Fiber Glass**	**40% Other**	White, Brown Fibrous Heterogeneous Dissolved
114 *71982734PLM_61*	Drywall	**None Detected**	**10% Cellulose**	**90% Other**	Grayish Non Fibrous Heterogeneous Crushed
115 *71982734PLM_62*	Drywall	**None Detected**	**10% Cellulose**	**90% Other**	Grayish Non Fibrous Heterogeneous Crushed
116 *71982734PLM_63*	Silver Pipe Bridge Mastic	**None Detected**		**100% Other**	Silver Non Fibrous Heterogeneous Dissolved
117 *71982734PLM_64*	Silver Pipe Bridge Mastic	**None Detected**		**100% Other**	Silver Non Fibrous Heterogeneous Dissolved
118 *71982734PLM_65*	White Pipe Bridge Mastic	**None Detected**		**100% Other**	White Non Fibrous Heterogeneous Dissolved
119 *71982734PLM_66*	White Pipe Bridge Mastic	**None Detected**		**100% Other**	White Non Fibrous Heterogeneous Dissolved
120 *71982734PLM_67*	Brown HVAC Caulking	**None Detected**		**100% Other**	Brown Non Fibrous Homogeneous Dissolved

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1310 L Street NW
Washington, DC 20005

Attn: Jenn Turner

Project: 47:12287 NMAH West Mech Rooms & Corridors

Lab Order ID: 71982734
Analysis ID: 71982734_PLM
Date Received: 1/4/2022
Date Reported: 1/12/2022

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
121	Brown HVAC Caulking	**None Detected**		**100% Other**	Brown Non Fibrous Homogeneous
71982734PLM_68					Dissolved
122	White TSI Pipe Wrap	**None Detected**	**40% Cellulose** **10% Fiber Glass**	**50% Other**	White Fibrous Heterogeneous
71982734PLM_69					Teased
123	White TSI Pipe Wrap	**None Detected**	**40% Cellulose** **10% Fiber Glass**	**50% Other**	White Fibrous Heterogeneous
71982734PLM_70					Teased
124	White TSI Pipe Wrap	**None Detected**	**40% Cellulose** **10% Fiber Glass**	**50% Other**	White Fibrous Heterogeneous
71982734PLM_71					Teased
125	White TSI Wrap	**None Detected**	**40% Cellulose**	**60% Other**	White Fibrous Heterogeneous
71982734PLM_72					Teased
126	White TSI Wrap	**None Detected**	**40% Cellulose**	**60% Other**	White Fibrous Heterogeneous
71982734PLM_73					Teased

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Eloisa Blake (78)

Analyst

Approved Signatory

7982734

Client:	ECS Capitol Services PLLC
Contact:	Jennifer Turner
Address:	DC 20005
Phone:	(202)400-2188
Fax:	
Email:	jturner1@ecslimited.com
Project:	47:12287 NMAH West Mech Rooms
Client Notes:	**Positive Stop** (Except for Plaster and Drywall/Joint Compound
P.O. #.	47:12287 NMAH West Mech Rooms
Date Submitted:	12/29/2021 0:00
Analysis:	PLM EPA 600/R-93/116
TurnAroundTime:	5-Day TAT

Instructions:
Use Column "B" for your contact info

To See an Example Click the bottom Example Tab.

Enter samples between "<<" and ">>"
Begin Samples with a "<< "above the first sample and end with a ">>" below the last sample.
Only Enter your data on the first sheet "Sheet1"

Note: Data 1 and Data 2 are optional fields that do not show up on the official report, however they will be included in the electronic data returned to you to facilitate your reintegration of the report data.

Scientific Analytical Institute

4604 Dundas Drive
Greensboro, NC 27407
Phone: 336.292.3888
Fax: 336.292.3313
Email: lab@sailab.com

Sample Number	Data 1	Sample Description	Data 2
<<			
54	HA1	Gray Pipe Sealant	4000M1 West Exterior Mech Rm
55	HA1	Gray Pipe Sealant	4000M1 West Exterior Mech Rm
56	HA2	Light Gray Pipe Sealant	4000M1 West Exterior Mech Rm
57	HA2	Light Gray Pipe Sealant	4000M1 West Exterior Mech Rm
58	HA3	Silver Caulking	4000M1 West Exterior Mech Rm
59	HA3	Silver Caulking	4000M1 West Exterior Mech Rm
60	HA4	White HVAC Sealant	4000M1 West Exterior Mech Rm
61	HA4	White HVAC Sealant	4000M1 West Exterior Mech Rm
62	HA5	White/Brown CUM Texture	4000M1 West Exterior Mech Rm
63	HA5	White/Brown CUM Texture	4000M1 West Exterior Mech Rm
64	HA6	White Cloth TSI Wrap	4000M1 West Exterior Mech Rm
65	HA6	White Cloth TSI Wrap	4000M1 West Exterior Mech Rm
66	HA6	White Cloth TSI Wrap	4000M1 West Exterior Mech Rm
67	HA7	Red Firestop	4000M1 West Exterior Mech Rm
68	HA7	Red Firestop	4000M1 West Exterior Mech Rm
69	HA8	Light Red Firestop	4000M1 West Exterior Mech Rm
70	HA8	Light Red Firestop	4000M1 West Exterior Mech Rm
71	HA9	White Expansion Joint Caulking	4000M1 West Exterior Mech Rm
72	HA9	White Expansion Joint Caulking	4000M1 West Exterior Mech Rm
73	HA10	White Pipe Bridge Mastic	4000M1 West Exterior Mech Rm
74	HA10	White Pipe Bridge Mastic	4000M1 West Exterior Mech Rm
75	HA11	White TSI Wrap	4000M1 West Exterior Mech Rm
76	HA11	White TSI Wrap	4000M1 West Exterior Mech Rm
77	HA12	Drywall	4303A Corridor
78	HA12	Drywall	4303A Corridor
79	HA12	Drywall	4303A Corridor
80	HA13	Joint Compound	4303A Corridor
81	HA13	Joint Compound	4303A Corridor
82	HA13	Joint Compound	4303A Corridor
83	HA14	White Door Caulk	4303A Corridor
84	HA14	White Door Caulk	4303A Corridor
85	HA15	2'x2' White Pinhole Ceiling Tile	4303A Corridor
86	HA15	2'x2' White Pinhole Ceiling Tile	4303A Corridor
87	HA16	2'x4' White Pinhole Ceiling Tile	4303A Corridor
88	HA16	2'x4' White Pinhole Ceiling Tile	4303A Corridor
89	HA17	2'x4' Off-white Pinhole Ceiling Tile	4000C7 Corridor
90	HA17	2'x4' Off-white Pinhole Ceiling Tile	4000C7 Corridor
91	HA18	2'x4' White Pinhole Ceiling Tile	4000C7 Corridor
92	HA18	2'x4' White Pinhole Ceiling Tile	4000C7 Corridor
93	HA19	3" Black Covebase with Yellow Mastic	4000C7 Corridor
94	HA19	3" Black Covebase with Yellow Mastic	4000C7 Corridor
95	HA20	Drywall	4000C7 Corridor
96	HA20	Drywall	4000C7 Corridor
97	HA20	Drywall	4000C7 Corridor
98	HA21	Joint Compound	4000C7 Corridor
99	HA21	Joint Compound	4000C7 Corridor
100	HA21	Joint Compound	4000C7 Corridor
101	HA22	Brown Glue Dot Mastic	4000C7 Corridor
102	HA22	Brown Glue Dot Mastic	4000C7 Corridor
103	HA23	Joint Compound Assoicated with Plaster Walls	4000C7 Corridor

Relinquished By

Accepted ☑

Rejected ☐

Received By 10:30am 1/4

7982734

104	HA23	Joint Compound Assoicated with Plaster Walls	4000C7 Corridor
105	HA24	Plaster	4000C7 Corridor
106	HA24	Plaster	4000C7 Corridor
107	HA24	Plaster	4000C7 Corridor
108	HA25	Fireproofing	4000M2 West Centeral Mech Rm
109	HA25	Fireproofing	4000M2 West Centeral Mech Rm
110	HA26	Red Firestop	4000M2 West Centeral Mech Rm
111	HA26	Red Firestop	4000M2 West Centeral Mech Rm
112	HA27	White Cloth TSI Wrap	4000M2 West Centeral Mech Rm
113	HA27	White Cloth TSI Wrap	4000M2 West Centeral Mech Rm
114	HA28	Drywall	4000M2 West Centeral Mech Rm
115	HA28	Drywall	4000M2 West Centeral Mech Rm
116	HA29	Silver Pipe Bridge Mastic	4000M2 West Centeral Mech Rm
117	HA29	Silver Pipe Bridge Mastic	4000M2 West Centeral Mech Rm
118	HA30	White Pipe Bridge Mastic	4000M2 West Centeral Mech Rm
119	HA30	White Pipe Bridge Mastic	4000M2 West Centeral Mech Rm
120	HA31	Brown HVAC Caulking	4000M2 West Centeral Mech Rm
121	HA31	Brown HVAC Caulking	4000M2 West Centeral Mech Rm
122	HA32	White TSI Pipe Wrap	4000M2 West Centeral Mech Rm
123	HA32	White TSI Pipe Wrap	4000M2 West Centeral Mech Rm
124	HA32	White TSI Pipe Wrap	4000M2 West Centeral Mech Rm
125	HA33	White TSI Wrap	4000M2 West Centeral Mech Rm
126	HA33	White TSI Wrap	4000M2 West Centeral Mech Rm

Relinquished By

Received By

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E, App.E

NVLAP TESTING NVLAP LAB CODE 200664-0

AIHA ACCREDITED LABS.ORG Lab ID # 173190

Customer: ECS Capital Services, PLLC
1310 L Street NW
Washington, DC 20005

Attn: Jenn Turner

Project: 47:12287 NMAH East & West Penthouses

Lab Order ID: 71982730
Analysis ID: 71982730_PLM
Date Received: 1/4/2022
Date Reported: 1/13/2022

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
1 *71982730PLM_1*	White HVAC Insulation *wrap on fiberglass*	**None Detected**	**40% Cellulose** **10% Fiber Glass**	**50% Other**	White, Silver Fibrous Homogeneous Dissolved
2 *71982730PLM_2*	White HVAC Insulation *wrap on fiberglass*	**None Detected**	**40% Cellulose** **10% Fiber Glass**	**50% Other**	White, Silver Fibrous Homogeneous Dissolved
3 *71982730PLM_3*	White HVAC Cloth Wrap Insulation	**None Detected**	**60% Cellulose**	**40% Other**	White Fibrous Homogeneous Dissolved
4 *71982730PLM_4*	White HVAC Cloth Wrap Insulation	**None Detected**	**60% Cellulose**	**40% Other**	White Fibrous Homogeneous Dissolved
5 - A *71982730PLM_5*	3" Gray Covebase with Brown Mastic *covebase*	**None Detected**		**100% Other**	Brown Non Fibrous Homogeneous Dissolved
5 - B *71982730PLM_54*	3" Gray Covebase with Brown Mastic *mastic*	**None Detected**		**100% Other**	Brown Non Fibrous Homogeneous Dissolved
6 - A *71982730PLM_6*	3" Gray Covebase with Brown Mastic *covebase*	**None Detected**		**100% Other**	Gray, Black Non Fibrous Homogeneous Ashed
6 - B *71982730PLM_55*	3" Gray Covebase with Brown Mastic *mastic*	**None Detected**		**100% Other**	Brown Non Fibrous Homogeneous Dissolved

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Megan Javonovich (55)

Analyst

Approved Signatory

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E, App.E

NVLAP TESTING NVLAP LAB CODE 200664-0

Lab ID # 173190

Customer: ECS Capital Services, PLLC
1310 L Street NW
Washington, DC 20005

Attn: Jenn Turner

Project: 47:12287 NMAH East & West Penthouses

Lab Order ID: 71982730
Analysis ID: 71982730_PLM
Date Received: 1/4/2022
Date Reported: 1/13/2022

Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
7	Red Firestop	None Detected		100% Other	Red Non Fibrous Homogeneous
71982730PLM_7					Ashed
8	Red Firestop	None Detected		100% Other	Red Non Fibrous Homogeneous
71982730PLM_8					Ashed
9	White Pipe Bridge Mastic	None Detected		100% Other	White Non Fibrous Homogeneous
71982730PLM_9					Dissolved
10	White Pipe Bridge Mastic	None Detected		100% Other	White Non Fibrous Homogeneous
71982730PLM_10					Dissolved
11	Off-white Pipe Bridge Mastic	None Detected	5% Wollastonite	95% Other	White Non Fibrous Homogeneous
71982730PLM_11					Dissolved
12	Off-white Pipe Bridge Mastic	None Detected	5% Wollastonite	95% Other	White Non Fibrous Homogeneous
71982730PLM_12					Dissolved
13	White CMU Texture	None Detected		100% Other	White, Gray Non Fibrous Heterogeneous
71982730PLM_13					Crushed
14	White CMU Texture	None Detected		100% Other	White, Gray Non Fibrous Heterogeneous
71982730PLM_14					Crushed

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Megan Javonovich (55)

Analyst

Approved Signatory

P-F-002 r15 1/16/2021

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E, App.E

NVLAP TESTING NVLAP LAB CODE 200664-0

INDUSTRIAL HYGIENE ISO/IEC 17025:2017 Accredited Laboratory AIHA LAP, LLC AIHACCREDITEDLABS.ORG Lab ID # 173190

Customer: ECS Capital Services, PLLC
1310 L Street NW
Washington, DC 20005

Attn: Jenn Turner

Project: 47:12287 NMAH East & West Penthouses

Lab Order ID: 71982730
Analysis ID: 71982730_PLM
Date Received: 1/4/2022
Date Reported: 1/13/2022

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
15 *71982730PLM_15*	Beige/Tan Pipe Bridge Mastic	**None Detected**		**100% Other**	Tan Non Fibrous Homogeneous Dissolved
16 *71982730PLM_16*	Beige/Tan Pipe Bridge Mastic	**None Detected**		**100% Other**	Tan Non Fibrous Homogeneous Dissolved
17 *71982730PLM_17*	Brown Caulking	**None Detected**		**100% Other**	Brown Non Fibrous Homogeneous Ashed
18 *71982730PLM_18*	Brown Caulking	**None Detected**		**100% Other**	Brown Non Fibrous Homogeneous Ashed
19 *71982730PLM_19*	Silver Caulking	**None Detected**		**100% Other**	Silver Non Fibrous Homogeneous Ashed
20 *71982730PLM_20*	Silver Caulking	**None Detected**		**100% Other**	Silver Non Fibrous Homogeneous Ashed
21 *71982730PLM_21*	Gray Caulking	**None Detected**		**100% Other**	Gray Non Fibrous Homogeneous Ashed
22 *71982730PLM_22*	Gray Caulking	**None Detected**		**100% Other**	Gray Non Fibrous Homogeneous Ashed

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E, App.E

NVLAP TESTING NVLAP LAB CODE 200664-0

Lab ID # 173190

Customer: ECS Capital Services, PLLC
1310 L Street NW
Washington, DC 20005

Attn: Jenn Turner

Project: 47:12287 NMAH East & West Penthouses

Lab Order ID: 71982730
Analysis ID: 71982730_PLM
Date Received: 1/4/2022
Date Reported: 1/13/2022

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
23 *71982730PLM_23*	Gold Caulking	**None Detected**		**100% Other**	Gold Non Fibrous Homogeneous Ashed
24 *71982730PLM_24*	Gold Caulking	**None Detected**		**100% Other**	Gold Non Fibrous Homogeneous Ashed
25 *71982730PLM_25*	White TSI Wrap	**None Detected**	**40% Cellulose** **10% Fiber Glass**	**50% Other**	White, Silver Fibrous Homogeneous Ashed, Dissolved
26 *71982730PLM_26*	White TSI Wrap	**None Detected**	**40% Cellulose** **10% Fiber Glass**	**50% Other**	White, Silver Fibrous Homogeneous Ashed
27 *71982730PLM_27*	White TSI Wrap	**None Detected**	**40% Cellulose** **10% Fiber Glass**	**50% Other**	White, Silver Fibrous Homogeneous Ashed
28 *71982730PLM_28*	White TSI Wrap *wrap on fiberglass*	**None Detected**	**20% Fiber Glass**	**80% Other**	White, Silver Non Fibrous Homogeneous Ashed
29 *71982730PLM_29*	White TSI Wrap *wrap on fiberglass*	**None Detected**	**20% Fiber Glass**	**80% Other**	White, Silver Non Fibrous Homogeneous Ashed
30 *71982730PLM_30*	White HVAC Insulation	**None Detected**	**40% Cellulose** **10% Fiber Glass**	**50% Other**	White, Silver Fibrous Homogeneous Dissolved, Ashed

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Megan Javonovich (55)

Analyst

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P-F-002 r15 1/16/2021

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E, App.E

NVLAP TESTING NVLAP LAB CODE 200664-0

AIHA ACCREDITED LABS.ORG Lab ID # 173190

Customer: ECS Capital Services, PLLC
1310 L Street NW
Washington, DC 20005

Attn: Jenn Turner

Project: 47:12287 NMAH East & West Penthouses

Lab Order ID: 71982730
Analysis ID: 71982730_PLM
Date Received: 1/4/2022
Date Reported: 1/13/2022

Sample ID / *Lab Sample ID*	Description / *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes / Treatment
31	White HVAC Insulation	None Detected	40% Cellulose 10% Fiber Glass	50% Other	White, Silver Fibrous Homogeneous
71982730PLM_31					Ashed
32	White HVAC Cloth Wrap Insulation	None Detected	50% Cellulose 10% Fiber Glass	40% Other	White, Silver Fibrous Homogeneous
71982730PLM_32					Dissolved
33	White HVAC Cloth Wrap Insulation	None Detected	50% Cellulose 10% Fiber Glass	40% Other	White, Silver Fibrous Homogeneous
71982730PLM_33					Dissolved
34	Silver Caulking	None Detected		100% Other	Silver Non Fibrous Homogeneous
71982730PLM_34					Ashed
35	Silver Caulking	None Detected		100% Other	Silver Non Fibrous Homogeneous
71982730PLM_35					Ashed
36	Dark Red Firestop	None Detected	5% Fiber Glass	95% Other	Red Non Fibrous Homogeneous
71982730PLM_36					Ashed
37	Dark Red Firestop	None Detected	5% Fiber Glass	95% Other	Red Non Fibrous Homogeneous
71982730PLM_37					Ashed
38	Light Red Firestop	None Detected	10% Cellulose	90% Other	Red Non Fibrous Homogeneous
71982730PLM_38					Ashed

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Megan Javonovich (55)

Analyst

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P-F-002 r15 1/16/2021

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E, App.E

NVLAP TESTING NVLAP LAB CODE 200664-0

Lab ID # 173190

Customer: ECS Capital Services, PLLC
1310 L Street NW
Washington, DC 20005

Attn: Jenn Turner

Project: 47:12287 NMAH East & West Penthouses

Lab Order ID: 71982730
Analysis ID: 71982730_PLM
Date Received: 1/4/2022
Date Reported: 1/13/2022

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
39 *71982730PLM_39*	Light Red Firestop	**None Detected**	**10% Cellulose**	**90% Other**	Red Non Fibrous Homogeneous Ashed
40 *71982730PLM_40*	White CMU Texture	**None Detected**		**100% Other**	Gray Non Fibrous Heterogeneous Crushed
41 *71982730PLM_41*	White CMU Texture	**None Detected**		**100% Other**	Gray Non Fibrous Heterogeneous Crushed
42 *71982730PLM_42*	White Cloth TSI Wrap *wrap on fiberglass*	**None Detected**	**40% Cellulose** **10% Fiber Glass**	**50% Other**	White, Silver Fibrous Homogeneous Dissolved
43 *71982730PLM_43*	White Cloth TSI Wrap *wrap on fiberglass*	**None Detected**	**40% Cellulose** **10% Fiber Glass**	**50% Other**	White, Silver Fibrous Homogeneous Dissolved
44 *71982730PLM_44*	White Pipe Bridge Mastic *wrap on fiberglass*	**None Detected**	**40% Cellulose** **10% Fiber Glass**	**50% Other**	White, Silver Fibrous Homogeneous Dissolved
45 *71982730PLM_45*	White Pipe Bridge Mastic *wrap on fiberglass*	**None Detected**	**40% Cellulose** **10% Fiber Glass**	**50% Other**	White, Silver Fibrous Homogeneous Dissolved
46 *71982730PLM_46*	White TSI Wrap *wrap on fiberglass*	**None Detected**	**40% Cellulose** **10% Fiber Glass**	**50% Other**	White, Silver Fibrous Homogeneous Dissolved

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Megan Javonovich (55)

Analyst

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E, App.E

NVLAP TESTING NVLAP LAB CODE 200664-0

Customer: ECS Capital Services, PLLC
1310 L Street NW
Washington, DC 20005

Attn: Jenn Turner

Project: 47:12287 NMAH East & West Penthouses

Lab Order ID: 71982730
Analysis ID: 71982730_PLM
Date Received: 1/4/2022
Date Reported: 1/13/2022

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
47 *71982730PLM_47*	White TSI Wrap *wrap on fiberglass*	**None Detected**	**40% Cellulose** **10% Fiber Glass**	**50% Other**	White, Silver Fibrous Homogeneous Dissolved
48 *71982730PLM_48*	White Misc. Isulation Board *wrap on fiberglass*	**None Detected**	**60% Cellulose** **20% Fiber Glass**	**20% Other**	White, Silver Fibrous Homogeneous Ashed
49 *71982730PLM_49*	White Misc. Isulation Board *wrap on fiberglass*	**None Detected**	**60% Cellulose** **20% Fiber Glass**	**20% Other**	White, Silver Fibrous Homogeneous Ashed
50 *71982730PLM_50*	Brown Caulking	**None Detected**		**100% Other**	Brown Non Fibrous Homogeneous Dissolved
51 *71982730PLM_51*	Brown Caulking	**None Detected**		**100% Other**	Brown Non Fibrous Homogeneous Dissolved
52 *71982730PLM_52*	Gray HVAC Sealant	**None Detected**		**100% Other**	Gray Non Fibrous Homogeneous Ashed
53 *71982730PLM_53*	Gray HVAC Sealant	**None Detected**		**100% Other**	Gray Non Fibrous Homogeneous Ashed

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Megan Javonovich (55)

Analyst

Approved Signatory

71982730

Client:	ECS Capitol Services PLLC
Contact:	Jennifer Turner
Address:	DC 20005
Phone:	(202)400-2188
Fax:	
Email:	jturner1@ecslimited.com
Project:	47:12287 NMAH East & West Penth
Client Notes:	**Positive Stop** (Except for Plaster and Drywall/Joint Compound
P.O. #.	47:12287 NMAH East & West Penth
Date Submitted:	12/29/2021 0:00
Analysis:	PLM EPA 600/R-93/116
TurnAroundTime:	5-Day TAT

Instructions:
Use Column "B" for your contact info

To See an Example Click the bottom Example Tab

Enter samples between "<<" and ">>"
Begin Samples with a "<< "above the first sample and end with a ">>" below the last sample.
Only Enter your data on the first sheet "Sheet1"

Note: Data 1 and Data 2 are optional fields that do not show up on the official report, however they will be included in the electronic data returned to you to facilitate your reintegration of the report data.

Scientific Analytical Institute

4604 Dundas Drive
Greensboro, NC 27407
Phone: 336.292.3888
Fax: 336.292.3313
Email: lab@sailab.com

Sample Number	Data 1	Sample Description	Data 2
<<			
1	HA1	White HVAC Insulation	East Penthouse
2	HA1	White HVAC Insulation	East Penthouse
3	HA2	White HVAC Cloth Wrap Insulation	East Penthouse
4	HA2	White HVAC Cloth Wrap Insulation	East Penthouse
5	HA3	3" Gray Covebase with Brown Mastic	East Penthouse
6	HA3	3" Gray Covebase with Brown Mastic	East Penthouse
7	HA4	Red Firestop	East Penthouse
8	HA4	Red Firestop	East Penthouse
9	HA5	White Pipe Bridge Mastic	East Penthouse
10	HA5	White Pipe Bridge Mastic	East Penthouse
11	HA6	Off-white Pipe Bridge Mastic	East Penthouse
12	HA6	Off-white Pipe Bridge Mastic	East Penthouse
13	HA7	White CMU Texture	East Penthouse
14	HA7	White CMU Texture	East Penthouse
15	HA8	Beige/Tan Pipe Bridge Mastic	East Penthouse
16	HA8	Beige/Tan Pipe Bridge Mastic	East Penthouse
17	HA9	Brown Caulking	East Penthouse AC-4
18	HA9	Brown Caulking	East Penthouse AC-4
19	HA10	Silver Caulking	East Penthouse AC-4
20	HA10	Silver Caulking	East Penthouse AC-4
21	HA11	Gray Caulking	East Penthouse by Door to Exterior
22	HA11	Gray Caulking	East Penthouse by Door to Exterior
23	HA12	Gold Caulking	East Penthouse AC-4
24	HA12	Gold Caulking	East Penthouse AC-4
25	HA13	White TSI Wrap	East Penthouse
26	HA13	White TSI Wrap	East Penthouse
27	HA13	White TSI Wrap	East Penthouse
28	HA14	White TSI Wrap	West Penthouse
29	HA14	White TSI Wrap	West Penthouse
30	HA15	White HVAC Insulation	West Penthouse
31	HA15	White HVAC Insulation	West Penthouse
32	HA16	White HVAC Cloth Wrap Insulation	West Penthouse
33	HA16	White HVAC Cloth Wrap Insulation	West Penthouse
34	HA17	Silver Caulking	West Penthouse AC-1
35	HA17	Silver Caulking	West Penthouse AC-1
36	HA18	Dark Red Firestop	West Penthouse
37	HA18	Dark Red Firestop	West Penthouse
38	HA19	Light Red Firestop	West Penthouse
39	HA19	Light Red Firestop	West Penthouse
40	HA20	White CMU Texture	West Penthouse
41	HA20	White CMU Texture	West Penthouse
42	HA21	White Cloth TSI Wrap	West Penthouse
43	HA21	White Cloth TSI Wrap	West Penthouse
44	HA22	White Pipe Bridge Mastic	West Penthouse
45	HA22	White Pipe Bridge Mastic	West Penthouse
46	HA23	White TSI Wrap	West Penthouse
47	HA23	White TSI Wrap	West Penthouse
48	HA24	White Misc. Isulation Board	West Penthouse
49	HA24	White Misc. Isulation Board	West Penthouse
50	HA25	Brown Caulking	West Penthouse

Accepted ☑

Rejected ☐

Relinquished By

Received By 1/4 10:30AM

7198273O

51	HA25	Brown Caulking	West Penthouse
52	HA26	Gray HVAC Sealant	West Penthouse
53	HA26	Gray HVAC Sealant	West Penthouse

Relinquished By

Received By

Appendix VI: EPA Generator ID Form 8700-12

OMB# 2050-0024; Expires 05/31/2020

United States Environmental Protection Agency
RCRA SUBTITLE C SITE IDENTIFICATION FORM

1. Reason for Submittal (Select only one.)

☐	Obtaining or updating an EPA ID number for an on-going regulated activity that will continue for a period of time. (Includes HSM activity)
☐	Submitting as a component of the Hazardous Waste Report for _____ (Reporting Year)
	☐ Site was a TSD facility and/or generator of > 1,000 kg of hazardous waste, > 1 kg of acute hazardous waste, or > 100 kg of acute hazardous waste spill cleanup in **one or more months of the reporting year** (or State equivalent LQG regulations)
☐	Notifying that regulated activity is no longer occurring at this Site
☐	Obtaining or updating an EPA ID number for conducting Electronic Manifest Broker activities
☐	Submitting a new or revised Part A Form

2. Site EPA ID Number

3. Site Name

4. Site Location Address

Street Address		
City, Town, or Village		County
State	Country	Zip Code

5. Site Mailing Address ☐ Same as Location Address

Street Address		
City, Town, or Village		
State	Country	Zip Code

6. Site Land Type

☐ Private ☐ County ☐ District ☐ Federal ☐ Tribal ☐ Municipal ☐ State ☐ Other

7. North American Industry Classification System (NAICS) Code(s) for the Site (at least 5-digit codes)

A. (Primary)	C.
B.	D.

8. Site Contact Information

☐ Same as Location Address

First Name	MI	Last Name
Title		
Street Address		
City, Town, or Village		
State	Country	Zip Code
Email		
Phone	Ext	Fax

9. Legal Owner and Operator of the Site

A. Name of Site's Legal Owner

☐ Same as Location Address

Full Name	Date Became Owner (mm/dd/yyyy)
Owner Type ☐ Private ☐ County ☐ District ☐ Federal ☐ Tribal ☐ Municipal ☐ State ☐ Other	
Street Address	
City, Town, or Village	
State / Country / Zip Code	
Email	
Phone / Ext / Fax	
Comments	

B. Name of Site's Legal Operator

☐ Same as Location Address

Full Name	Date Became Operator (mm/dd/yyyy)
Operator Type ☐ Private ☐ County ☐ District ☐ Federal ☐ Tribal ☐ Municipal ☐ State ☐ Other	
Street Address	
City, Town, or Village	
State / Country / Zip Code	
Email	
Phone / Ext / Fax	
Comments	

10. Type of Regulated Waste Activity (at your site)

Mark "Yes" or "No" for all current activities (as of the date submitting the form); complete any additional boxes as instructed.

A. Hazardous Waste Activities

☐Y ☐N	1. Generator of Hazardous Waste—If "Yes", mark only one of the following—a, b, c		
	☐	a. LQG	-Generates, in any calendar month (includes quantities imported by importer site) 1,000 kg/mo (2,200 lb/mo) or more of non-acute hazardous waste; or - Generates, in any calendar month, or accumulates at any time, more than 1 kg/mo (2.2 lb/mo) of acute hazardous waste; or - Generates, in any calendar month or accumulates at any time, more than 100 kg/mo (220 lb/mo) of acute hazardous spill cleanup material.
	☐	b. SQG	100 to 1,000 kg/mo (220-2,200 lb/mo) of non-acute hazardous waste and no more than 1 kg (2.2 lb) of acute hazardous waste and no more than 100 kg (220 lb) of any acute hazardous spill cleanup material.
	☐	c. VSQG	Less than or equal to 100 kg/mo (220 lb/mo) of non-acute hazardous waste.
If "Yes" above, indicate other generator activities in 2 and 3, as applicable.			
☐Y ☐N	2. Short-Term Generator (generates from a short-term or one-time event and not from on-going processes). If "Yes", provide an explanation in the Comments section.		
☐Y ☐N	3. Mixed Waste (hazardous and radioactive) Generator		
☐Y ☐N	4. Treater, Storer or Disposer of Hazardous Waste—Note: A hazardous waste Part B permit is required for these activities.		
☐Y ☐N	5. Receives Hazardous Waste from Off-site		
☐Y ☐N	6. Recycler of Hazardous Waste		
	☐	a. Recycler who stores prior to recycling	
	☐	b. Recycler who does not store prior to recycling	
☐Y ☐N	7. Exempt Boiler and/or Industrial Furnace—If "Yes", mark all that apply.		
	☐	a. Small Quantity On-site Burner Exemption	
	☐	b. Smelting, Melting, and Refining Furnace Exemption	

B. Waste Codes for Federally Regulated Hazardous Wastes. Please list the waste codes of the Federal hazardous wastes handled at your site. List them in the order they are presented in the regulations (e.g. D001, D003, F007, U112). Use an additional page if more spaces are needed.

C. Waste Codes for State Regulated (non-Federal) Hazardous Wastes. Please list the waste codes of the State hazardous wastes handled at your site. List them in the order they are presented in the regulations. Use an additional page if more spaces are needed.

11. Additional Regulated Waste Activities (NOTE: Refer to your State regulations to determine if a separate permit is required.)

A. Other Waste Activities

☐ Y ☐ N	1. Transporter of Hazardous Waste—If "Yes", mark all that apply.
☐	a. Transporter
☐	b. Transfer Facility (at your site)
☐ Y ☐ N	2. Underground Injection Control
☐ Y ☐ N	3. United States Importer of Hazardous Waste
☐ Y ☐ N	4. Recognized Trader—If "Yes", mark all that apply.
☐	a. Importer
☐	b. Exporter
☐ Y ☐ N	5. Importer/Exporter of Spent Lead-Acid Batteries (SLABs) under 40 CFR 266 Subpart G—If "Yes", mark all that apply.
☐	a. Importer
☐	b. Exporter

B. Universal Waste Activities

☐ Y ☐ N	1. Large Quantity Handler of Universal Waste (you accumulate 5,000 kg or more) - If "Yes" mark all that apply. Note: Refer to your State regulations to determine what is regulated.
☐	a. Batteries
☐	b. Pesticides
☐	c. Mercury containing equipment
☐	d. Lamps
☐	e. Other (specify) _____
☐	f. Other (specify) _____
☐	g. Other (specify) _____
☐ Y ☐ N	2. Destination Facility for Universal Waste Note: A hazardous waste permit may be required for this activity.

C. Used Oil Activities

☐ Y ☐ N	1. Used Oil Transporter—If "Yes", mark all that apply.
☐	a. Transporter
☐	b. Transfer Facility (at your site)
☐ Y ☐ N	2. Used Oil Processor and/or Re-refiner—If "Yes", mark all that apply.
☐	a. Processor
☐	b. Re-refiner
☐ Y ☐ N	3. Off-Specification Used Oil Burner
☐ Y ☐ N	4. Used Oil Fuel Marketer—If "Yes", mark all that apply.
☐	a. Marketer Who Directs Shipment of Off-Specification Used Oil to Off-Specification Used Oil Burner
☐	b. Marketer Who First Claims the Used Oil Meets the Specifications

12. Eligible Academic Entities with Laboratories—Notification for opting into or withdrawing from managing laboratory hazardous wastes pursuant to 40 CFR 262 Subpart K.

☐ Y ☐ N	A. Opting into or currently operating under 40 CFR 262 Subpart K for the management of hazardous wastes in laboratories—If "Yes", mark all that apply. Note: See the item-by-item instructions for definitions of types of eligible academic entities.
☐	1. College or University
☐	2. Teaching Hospital that is owned by or has a formal written affiliation with a college or university
☐	3. Non-profit Institute that is owned by or has a formal written affiliation with a college or univer-
☐ Y ☐ N	B. Withdrawing from 40 CFR 262 Subpart K for the management of hazardous wastes in laboratories.

13. Episodic Generation

☐ Y ☐ N	Are you an SQG or VSQG generating hazardous waste from a planned or unplanned episodic event, lasting no more than 60 days, that moves you to a higher generator category. If "Yes", you must fill out the Addendum for Episodic Generator.

14. LQG Consolidation of VSQG Hazardous Waste

☐ Y ☐ N	Are you an LQG notifying of consolidating VSQG Hazardous Waste Under the Control of the Same Person pursuant to 40 CFR 262.17(f)? If "Yes", you must fill out the Addendum for LQG Consolidation of VSQGs hazardous waste.

15. Notification of LQG Site Closure for a Central Accumulation Area (CAA) (optional) OR Entire Facility (required)

☐ Y ☐ N	LQG Site Closure of a Central Accumulation Area (CAA) or Entire Facility.
	A. ☐ Central Accumulation Area (CAA) ☐ Entire Facility
	B. Expected closure date: _____ mm/dd/yyyy
	C. Requesting new closure date: _____ mm/dd/yyyy
	D. Date closed : _____ mm/dd/yyyy ☐ 1. In compliance with the closure performance standards 40 CFR 262.17(a)(8) ☐ 2. Not in compliance with the closure performance standards 40 CFR 262.17(a)(8)

16. Notification of Hazardous Secondary Material (HSM) Activity

☐ Y ☐ N	A. Are you notifying under 40 CFR 260.42 that you will begin managing, are managing, or will stop managing hazardous secondary material under 40 CFR 260.30, 40 CFR 261.4(a)(23), (24), or (27)? If "Yes", you must fill out the Addendum to the Site Identification Form for Managing Hazardous Secondary Material.
☐ Y ☐ N	B. Are you notifying under 40 CFR 260.43(a)(4)(iii) that the product of your recycling process has levels of hazardous constituents that are not comparable to or unable to be compared to a legitimate product or intermediate but that the recycling is still legitimate? If "Yes", you may provide explanation in Comments section. You must also document that your recycling is still legitimate and maintain that documentation on site.

17. Electronic Manifest Broker

☐ Y ☐ N	Are you notifying as a person, as defined in 40 CFR 260.10, electing to use the EPA electronic manifest system to obtain, complete, and transmit an electronic manifest under a contractual relationship with a hazardous waste generator?

18. Comments (include item number for each comment)

19. Certification I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations. **Note: For the RCRA Hazardous Waste Part A permit Application, all owners and operators must sign (see 40 CFR 270.10(b) and 270.11)**.

Signature of legal owner, operator or authorized representative	Date (mm/dd/yyyy)
Printed Name (First, Middle Initial Last)	Title
Email	

Signature of legal owner, operator or authorized representative	Date (mm/dd/yyyy)
Printed Name (First, Middle Initial Last)	Title
Email	

EPA ID Number | | | | | | | | | | | | |

OMB# 2050-0024; Expires 05/31/2020

ADDENDUM TO THE SITE IDENTIFICATION FORM: NOTIFICATION OF HAZARDOUS SECONDARY MATERIAL ACTIVITY

ONLY fill out this form if:

- You are located in a State that allows you to manage excluded hazardous secondary material (HSM) under 40 CFR 261.2(30), 261.4(a)(23), (24), or (27) (or state equivalent; See https://www.epa.gov/epawaste/hazard/dsw/statespf.htm for a list of eligible states; AND
- You are or will be managing excluded HSM in compliance with 40 CFR 260.30, 261.4(a)(23), (24), or (27) (or state equivalent) or have stopped managing excluded HSM in compliance with the exclusion(s) and do not expect to manage any amount of excluded HSM under the exclusion(s) for at least one year. Do not include any information regarding your hazardous waste activities in this section. Note: If your facility was granted a solid waste variance under 40 CFR 260.30 prior to July 13, 2015, your management of HSM under 40 CFR 260.30 is grandfathered under the previous regulations and you are not required to notify for the HSM management activity excluded under 40 CFR 260.30.

1. Reason for Notification (Include dates where requested)

☐ Facility will begin managing excluded HSM as of _____ (mm/dd/yyyy).

☐ Facility is still managing excluded HSM/re-notifying as required by March 1 of each even-numbered year.

☐ Facility has stopped managing excluded HSM as of _____ (mm/dd/yyyy) and is notifying as required.

2. Description of Excluded HSM Activity. Please list the appropriate codes (see Code List section of the instructions) and quantities, in short tons, to describe your excluded HSM activity ONLY (do not include any information regarding your hazardous wastes). Use additional pages if more space is needed.

A. Facility Code	B. Waste Code(s) for HSM	C. Estimate Short Tons of excluded HSM to be managed annually	D. Actual Short Tons of excluded HSM that was managed during the most recent odd-numbered year	E. Land-based Unit Code

ADDENDUM TO THE SITE IDENTIFICATION FORM: EPISODIC GENERATOR

ONLY fill out this form if:

- You are an SQG or VSQG generating hazardous waste from a planned or unplanned episodic event, lasting no more then 60 days, that moves the generator to a higher generator category pursuant to 40 CFR 262 Subpart L. Note: Only one planned and one unplanned episodic event are allowed within one year; otherwise, you must follow the requirements of the higher generator category. Use additional pages if more space is needed.

Episodic Event	
1. Planned ☐ Excess chemical inventory removal ☐ Tank cleanouts ☐ Short-term construction or demolition ☐ Equipment maintenance during plant shutdowns ☐ Other _____	2. Unplanned ☐ Accidental spills ☐ Production process upsets ☐ Product recalls ☐ "Acts of nature" (Tornado, hurricane, flood, etc.) ☐ Other _____
3. Emergency Contact Phone	4. Emergency Contact Name
5. Beginning Date _____ (mm/dd/yyyy)	6. End Date _____ (mm/dd/yyyy)

Waste 1

7. Waste Description				8. Estimated Quantity (in pounds)	
9. Federal and/or State Hazardous Waste Codes					

Waste 2

7. Waste Description				8. Estimated Quantity (in pounds)	
9. Federal and/or State Hazardous Waste Codes					

Waste 3

7. Waste Description				8. Estimated Quantity (in pounds)	
9. Federal and/or State Hazardous Waste Codes					

ADDENDUM TO THE SITE IDENTIFICATION FORM:
LQG CONSOLIDATION OF VSQG HAZARDOUS WASTE

ONLY fill out this form if:

- You are an LQG receiving hazardous waste from VSQGs under the control of the same person. Use additional pages if more space is needed.

VSQG 1		
1. EPA ID Number (if assigned)	2. Name	
3. Street Address		
4. City, Town, or Village	5. State	6. Zip Code
7. Contact Phone Number	8. Contact Name	
9. Email		

VSQG 2		
1. EPA ID Number (if assigned)	2. Name	
3. Street Address		
4. City, Town, or Village	5. State	6. Zip Code
7. Contact Phone Number	8. Contact Name	
9. Email		

VSQG 3		
1. EPA ID Number (if assigned)	2. Name	
3. Street Address		
4. City, Town, or Village	5. State	6. Zip Code
7. Contact Phone Number	8. Contact Name	
9. Email		

Appendix VII: Certifications/ Licenses

AEROSOL MONITORING & ANALYSIS, INC.

This is to certify that

JENNIFER TURNER

has met the attendance requirements and successfully completed the course entitled

4-HOUR EPA ASBESTOS INSPECTOR REFRESHER

For Accreditation Under TSCA Title II

03/25/2021	03/25/2021	3/25/2022	STEVE SIERACKI
Course Date	***Exam Date***	***Expiration Date***	***Principal Instructor***

VAIREF03252021-5	VAVAIREF03252021-5	E. Rush Barnett
Certification No.	***Virginia Certification No.***	***Course Director***

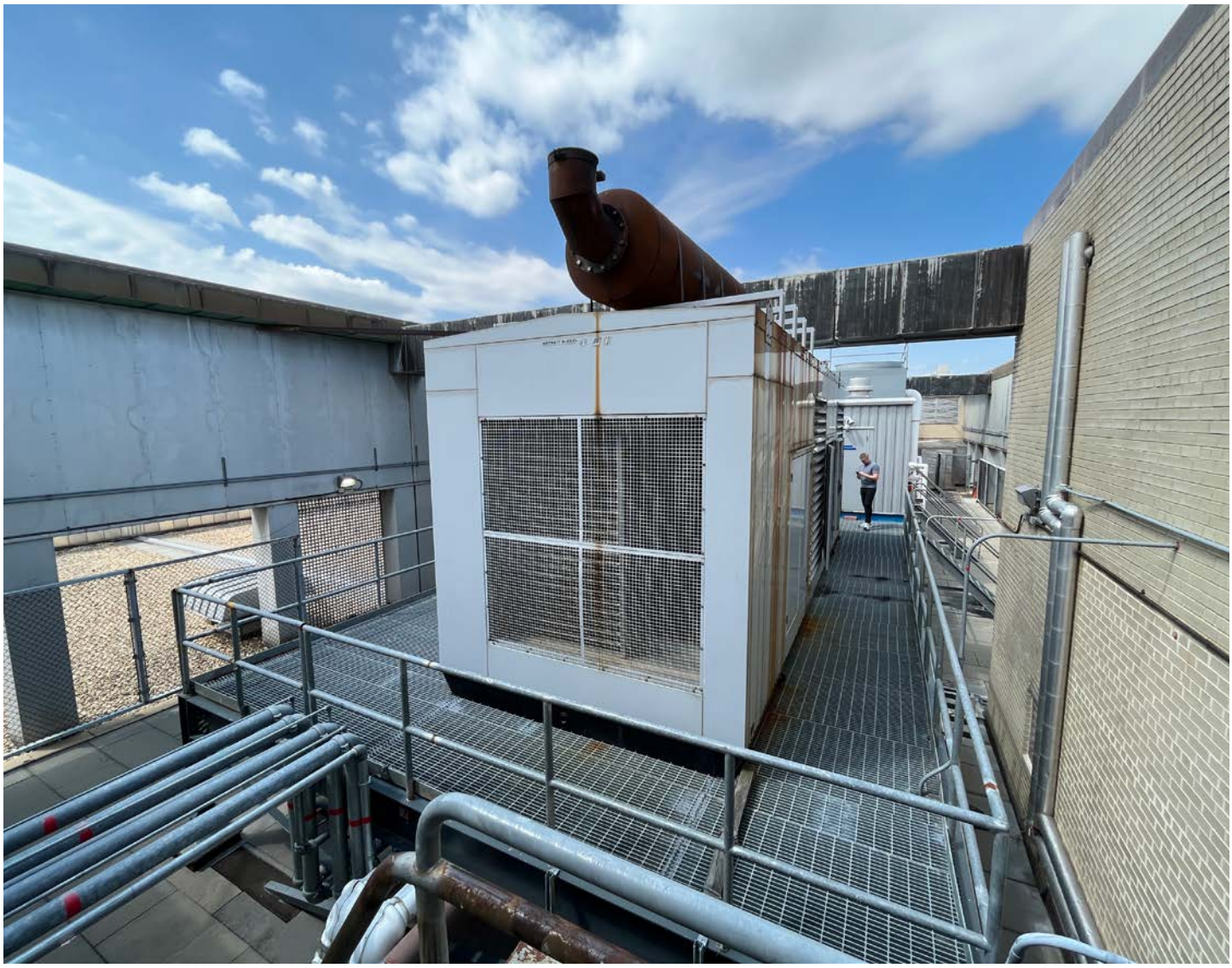
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Smithsonian Institution
National Museum of American History

Project #1803117
Install Emergency Generator

100% CONSTRUCTION DOCUMENTS F&R ASBESTOS CONTAINING MATERIALS SURVEY REPORT (DATED JAN 24, 2019) DEC 1, 2025

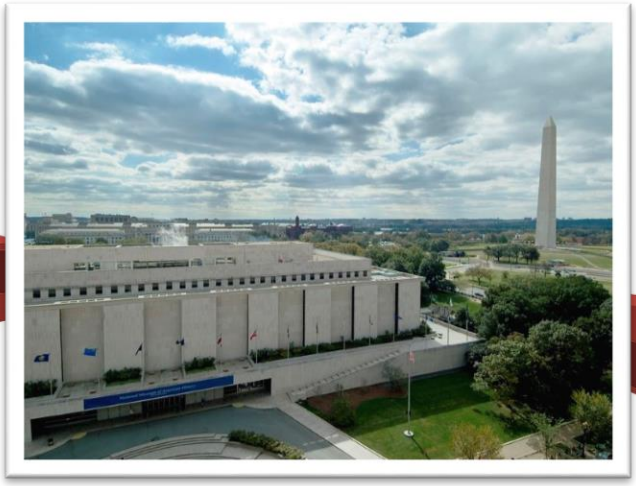


Smithsonian Institution

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ASBESTOS CONTAINING MATERIALS SURVEY REPORT

National Museum of American History –
Air Handling Unit Replacement + Electrical Study
1300 Constitution Avenue, NW
Washington, District of Columbia 20560



Prepared For:
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Issue Date: January 24, 2019

F&R Project Number: 72W-0127

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1.0 INTRODUCTION

Froehling & Robertson, Inc. (F&R) conducted limited Asbestos Containing Materials consulting services on December 4, 7, and 10, 2018 at the National Museum of American History (NMAH) Air Handling Unit (AHU) and Electrical Study located at 1300 Constitution Avenue, NW in Washington, D.C. 20560. It is F&R's understanding that the Air Handling Units (AHU) also known as Air Conditioning (AC) and Air Conditioning Unit (ACU), and the Electrical Substation Switchgear (ESS) structures are the subject of planned renovation which may impact building materials. The following sections document the survey procedures and results. Refer to Appendix A for Personnel Accreditation documentation of F&R personnel associated with this survey.

1.1. Purpose

The purpose of the Asbestos Containing Materials Survey is to identify Asbestos-Containing Materials (ACMs) that may require appropriate removal, handling, and disposal procedures prior to the planned replacement and upgrade of the AHU (AC and ACU) and ESS, and the associated existing mechanical systems, steam pressure reduction systems, dual-duct terminal units, and corresponding transformers.

The AHUs are located in several mechanical rooms at the NMAH:

- Lower Level West AB038 (ACU-12, ACU9+11, AC-16, AC-15, AC-14);
- Lower Level East B000M8 (ACU-13, ACU-14, ACU-15, ACU-16, ACU-17, ACU-18, and ACU-19);
- Fourth Floor West Exterior 4000M1 (AC-5, AC-6, and ACU-2);
- Fourth Floor West Interior 4000M2 (AC-7, AC-8, ACU-3, and ACU-4);
- Fourth Floor East Interior 4000M3 (AC-10, AC-11, ACU-5, and ACU-6);
- Fourth Floor East Exterior 4000M4 (AC-12, AC-13, ACU-7);
- West Penthouse PH1602 (AC-1 and AC-2);
- East Penthouse PH1603 (AC-3 and AC-4).

The ESSs are located in several electrical / mechanical rooms at the NMAH as determined by the Smithsonian Institution Office of Planning Design and Construction A/E Scope of Work for the Project (SF Project Number 1703106) prepared April 27, 2018 and revised on June 13, 2018 (A/E Scope of Work); and as directed by F&R's Site Contacts Ms. Murphy of AnnBeha Architects, and Mr. Rodriquez, Design Manager, of the Smithsonian Institution Office of Planning and Design:

- West Electrical Room B00M2 (ESS #6 and ESS #7);
- East Electrical Room CB016 (ESS #1 and ESS #2);
- Engineers Chiller Plant Room BB015 (ESS #5 and ESS #4);
- Lower Level Mechanical/Electrical Room BB030 (ESS #3);

- Lower Level Electrical Room BB038;
- Lower Level Electrical Room CB066;
- Lower Level Electrical Room CB067.

This survey is to aid in the determination of health and safety requirements during the conduct of work which may impact identified materials. Note that location designations included "interior" and "exterior" descriptions which are related to the proximity of the room to the building center, rather than the interior or exterior of the building. All sample locations were collected on the building interior. Additionally, F&R was directed by Ms. Murphy of AnnBeha Architects, and Mr. Rodriquez, Design Manager, of the Smithsonian Institution Office of Planning and Design during the initial site walk on November 13, 2018, to include Lower Level Electrical Room BB038. A total of fifteen (15) mechanical/electrical areas were inspected during the Asbestos Containing Materials Survey.

1.2. Site Description

The National Museum of American History (NMAH) was the sixth Smithsonian building on the National Mall in Washington, D.C. According to their website, NMAH is America's largest history museum that houses 3 million objects and more than three shelf miles of archival collections. The original construction of NMAH was completed in 1963. In the 1980's and 1990's, a series of projects that included the upgrade or replacement of the AHUs, Ventilation Units, and corresponding Fans in the Lower Level was conducted. In 2007 and 2011, two (2) projects were conducted to replace some of the AHUs, Ventilation Units, and corresponding Fans in the fourth floor mechanical room. In 2008, NMAH underwent a two-year renovation of the building's center core, which focused on architectural enhancements, construction of a new Star-Spangled Banner gallery, and updates to the forty-four year old building's infrastructure.

The NMAH is approximately 750,000 square foot, with a basement, five (5) stories above grade, and a rooftop mechanical penthouse. Floors one, two, three, and part of the lower (basemment) level are publicly accessible and used for exhibits, education, public gatherings, retail shopping, food services, offices, and collections storage. Except for food services, the lower level and the fourth and fifth floors (penthouse) house offices, collections, and building support functions. The fifth floor (penthouse) is the mechanical base of NMAH.

The mechanical systems are served by a chilled water plant with four (4) centrifugal chillers and roof-mounted cooling towers. The primary heating source for the building is a steam system. The mechanical rooms located on the lower level and fourth and fifth level house more than thirty (30) central AHUs that provide heating, cooling, ventilation, and humidity control through a duct supply and return air system to areas throughout the museum. The AHUs ages range from three (3) to twenty-eight (28) years old. Refer to Appendix B for site sketches of the facility, including asbestos sample locations.

It should be noted that material and color descriptions are subjective and that, due to the nature of the environment, identical materials and colors may have been labeled as different depending on the lighting, other colors in the area, and other factors.

1.3. Background

F&R was provided with three (3) previous survey reports and one (1) NMAH Facility Asbestos Inventory. The NMAH Facility Asbestos Inventory was prepared by the Smithsonian Institution – Office of Safety, Health, and Environmental Management (OSHEM); two (2) of the previous survey reports and the NMAH Asbestos Facility Inventory were prepared by OSHEM, and one (1) previous survey report prepared by AnnBeha Architects.

- The first study was prepared by OSHEM, titled *Results of Bulk Asbestos Samples & Lead Based Paint Survey, Black Box Latino Gallery Exhibit, Rooms 1051/1051B, NMAH*, dated February 27, 2018 (NMAH Project Number 1803107). As the previous report title indicates, the survey assessed rooms 1051 & 1051B for both ACM and Lead Based Paint (LBP); the scope of the survey was limited to the ceiling components in these areas.

- The second study was prepared by OSHEM, titled *Results of Bulk Asbestos Samples & Lead-Based Paint Survey, NMAH Lower Level & Lower Level Mezzanine*, dated October 15, 2018 (NMAH Project Number 1803110). As the previous report title indicates, the survey assessed both ACM and LBP and was limited to thirty-six (36) spaces in the Lower Level and twenty-one (21) spaces in the Lower Level Mezzanine.

- The third study was prepared by OSHEM, titled *Results of Bulk Asbestos Samples for "Objects Processing," NMAH Room CB040,* dated November 16, 2018 (NMAH Project Number 1303117). As the previous report title indicates, the survey assessed the swing space, *Collections of Planning,* Room CB040 for ACM that would be impacted during construction activities.

- The asbestos facility inventory was prepared by OSHEM, titled NMAH *Asbestos Facility Inventory,* dated November 5, 2018 (No available project number). The inventory documented a detailed list of ACM throughout the facility that were identified in previous Smithsonian Institution hazardous material investigation reports.

  The following mechanical and electrical rooms identified on the inventory are recognized as Areas of Concern (AOC) in the Project Scope Of Work (SOW) specified by the Smithsonian Institution – Office of Planning Design & Construction A/E Scope of Work, titled *Lower Level, Fourth Floor, Fifth Floor & Penthouse Level – AHU Replacement and Electrical Study, National Museum of American History,* dated June 13, 2018 (SF Project Number: 1703106):

- Lower Level West AB038,
- West Electrical Room B00M2,
- Lower Level Electrical Room B000MB,
- Engineers Chiller Plant Room BB015 (presumed to include BB015A),
- East Electrical Room CB016,
- Lower Level Electrical Room CB066 and CB067,
- Fourth Floor West Exterior 4000M1,
- Fourth Floor East Interior 4000M3, and
- West Penthouse PH1602.

As such, the provided previous inventory and surveys were not sufficient to constitute a thorough mechanical and electrical room survey as required for renovation purposes with regard to applicable Federal and State regulations. Historic survey data associated with the mechanical and electrical rooms that were identified to contain asbestos containing materials and is related to the scope of work, has been tabulated within this report. The aforementioned previous survey reports are included for reference as Appendix C – Historical Documentation.

2.0 SCOPE OF SERVICES

As outlined in F&R proposal number 1972-00098 and the A/E Scope of Work, the survey included the following services with respect to the proposed renovation:

- Review of existing Smithsonian Institution hazardous material investigation reports;
- Identification and sampling, as necessary, of five (5) suspect ACMs within each of fourteen (14) mechanical/electrical areas to be inspected; note that an additional area was requested for inclusion during the site walk-through which was omitted from the initial proposal;
- Determination of the presence, location, and estimated quantity of identified ACMs.

F&R also proposed to prepare abatement project design specifications for materials within the structure which may require abatement and/or special handling and disposal considerations. The abatement project design specifications will be provided under a separate cover to be incorporated as part of a larger project manual for bidding purposes.

Based on information provided by the client, it is F&R's understanding that the extent of the renovation in the aforementioned Mechanical / Electrical Rooms on the Lower (basement) Level, and Fourth and Fifth Floor (Penthouse) to replace and upgrade the existing mechanical systems, steam pressure reduction systems, dual-duct terminal units, electrical switchgears, and corresponding transformers.

The specific areas included in the survey are noted above in Section 1.1. Additionally, F&R collected additional samples to sufficiently characterize the mechanical and electrical rooms; five (5) materials within each space was not an adequate sample number to characterize these spaces.

Consequently, only those areas which are anticipated to be impacted by the renovation scope of work were included in this survey; all other spaces in the interior, the building exterior, including the roof, were excluded. As such, this survey as performed does not constitute a comprehensive building survey and this report shall not be utilized for the determination of presence or absence of ACM outside of the renovation area should the scope of work be altered or expanded beyond that of the currently scheduled upgrades and renovations.

3.0 LIMITED ASBESTOS-CONTAINING MATERIALS SURVEY

F&R's Industrial Hygienist, Certified Environmental Protection Agency (EPA) Asbestos Hazardous Emergency Response Act (AHERA) Asbestos Building Inspector, Stephanie Santiago (EPA AHERA Certification # FR18-5811), conducted the Asbestos Survey of the Mechanical / Electrical Rooms on the Lower Level and Fourth and Fifth Floor located at 1300 Constitution Ave. NW, Washington, D.C. on December 4, 7, and 10, 2018 . The noted Inspector was assisted by Janet Nyirabu.

Federal Regulations (40 CFR Part 61, Subpart M – National Emission Standard for Asbestos (NESHAP)), as well as Washington, D.C. City Regulations (Title 20, Chapter 20-8, Section 20-800, *Control of Asbestos*) require a thorough asbestos inspection of the structure to be conducted prior to the commencement of renovation and/or demolition activities. An ACM is defined by the Occupational Safety & Health Administration (OSHA) and the EPA as material containing greater than one percent (1%) asbestos.

3.1. Asbestos-Containing Materials (ACM) Methodology

This survey was conducted in general accordance with the Federal NESHAP and applicable District regulations for the presence of ACMs. The survey was characterized by a visual inspection and sampling of suspect building components at the subject property to be impacted by the proposed renovation activities.

Guidelines utilized in the asbestos survey were established by the EPA, ASTM International (ASTM), and The Environmental Information Association, Inc. (EIA). Utilized guidelines included: the Asbestos Hazard Emergency Response Act (40 CFR Part 763, Subpart E – Asbestos-Containing Materials in Schools (cited as AHERA), ASTM Standard E2356-14 *Standard Practice for Comprehensive Building Asbestos Surveys*, and the EIA publication *Managing Asbestos in Buildings: A Guide for Owners and Managers – A Revision to the United States Environmental Protection Agency's 1985 document Guidance for Controlling Asbestos-Containing Materials in Buildings (EPA 560/5-85-024) Known as the Purple Book*.

F&R's aforementioned Industrial Hygienist(s) collected and submitted suspect asbestos-containing bulk samples to the laboratory, of which, a total of one-hundred thirty-three (133) suspect asbestos-containing bulk samples with discernable layers were analyzed. Due to multiple layers, a total of two-hundred nineteen (219) samples were analyzed.

Samples of suspect ACMs were organized as per the AHERA concept of Homogeneous Area (HA), collected, and transported to the Environmental Hazards Services, L.L.C. (EHS) testing laboratory. Note that HA designations are specific to each work area; consequently, there are redundant HA identifiers. EHS is a National Institute for Standards and Technology (NIST) NVLAP accredited laboratory (NVLAP Lab Code: 101882-0) and Virginia licensed asbestos laboratory, in Richmond, Virginia, for analysis by Polarized Light Microscopy (PLM) following EPA Method 600/R-93/116. Refer to Appendix A for Laboratory Certificates of Accreditations. Refer to Appendix D for Laboratory Certificates of Analysis and Bulk Sample Chain of Custody Forms for further description of sampled materials/analytical results.

3.2. Asbestos-Containing Materials Findings

The following material types were identified, sampled, and accordingly homogenized based upon similar construction discovered during bulk sampling:

- Duct Thermal Systems Insulation (TSI)
- Vibration Damper
- Fire Proofing Insulation
- Mastic – Various Applications
- Drywall/ Joint Compound
- Acoustical Insulation Finishes
- Pipe Insulation Components/Gaskets
- Caulking/Sealants – Various Applications

The following table presents a summary of survey results from sampling events performed on December 4, 7, and 10, 2018. Refer to Appendix B for illustration of the locations of collected bulk samples and to Appendix D for Photographic Documentation of select sampled materials to gain a better understanding of material application. Positive asbestos samples (samples containing >1% asbestos) are in **BOLD** type.

SUSPECT ASBESTOS-CONTAINING MATERIALS SAMPLE INFORMATION

HA #	Sample #	Sample Location(s)	Material Description	Laboratory Description	% Asbestos
NAD: No Asbestos Detected					
Bold: Asbestos Containing Material or Trace (<1%) Asbestos Present					
Lower Level West Mechanical Room – AB038					
1	AC-16.1 A	Air Handing Unit 16 – Chilled Water System	3" White Chilled Water System Pipe Insulation	White Cover/Jacket; Fibrous; Silver Foil	NAD
			Yellow Fiberglass Insulation	Yellow Insulation; Fibrous	NAD
1	AC-9.1B	Air Handling Unit 9 – Chilled Water System	3" White Chilled Water System Pipe Insulation	White Rubbery Cover/Jacket; Beige Fibrous; Silver Foil	NAD

HA #	Sample #	Sample Location(s)	Material Description	Laboratory Description	% Asbestos
NAD: No Asbestos Detected					
Bold: Asbestos Containing Material or Trace (<1%) Asbestos Present					
1	AC-14.1 C	Air Handling Unit 14 – Chilled Water System	3” White Chilled Water System Pipe Insulation	White Covering/Jacket; Fibrous; Silver Foil	NAD
			Yellow Fiberglass Insulation	Yellow Insulation Fibrous	NAD
2	AC-16.2 A	Air Handling Unit 16 – Steam Pressure System	3” White Steam Pipe Insulation	White Rubbery Cover/Jacket; Fibrous; Silver Foil	NAD
			Yellow Fiberglass Insulation	Yellow Insulation; Fibrous	NAD
2	AC-9.2 B	Air Handling Unit 9 - Steam Pressure System	3” White Steam Pipe Insulation	White Rubbery Cover/Jacket; Fibrous; Silver Foil	NAD
			Yellow Fiberglass Insulation	Yellow Insulation Fibrous	NAD
2	AC-11.2 C	Air Handling Unit 11 – Steam Pressure System	3” White Steam Pipe Insulation	White Rubbery Cover/Jacket; Fibrous; Silver Foil	NAD
3	AC-16.3 A	Air Handling Unit 16 – Mechanical Duct Work	White Duct Insulation	White Rubbery Cover/Jacket; Fibrous; Silver Foil	NAD
3	AC-9.3 B	Air Handling Unit 9 – Mechanical Duct Work	White Duct Insulation	White Rubbery Cover/Jacket; Fibrous; Silver Foil	NAD
3	AC-12.3 C	Air Handling Unit 12 – Mechanical Duct Work	White Duct Insulation	White Rubbery Cover/Jacket Fibrous; Silver Foil	NAD
			Yellow Fiberglass Insulation	Yellow Insulation; Fibrous	NAD
4	AC-9.4 A	Air Handling Unit 9 – Fan	Black Vibration Damper	Black Granular; Fibrous	NAD
4	AC-9.4 B	Air Handling Unit 9	Black Vibration Damper	Black Granular; Fibrous	NAD
4	AC- 9.4 C	Air Handling Unit 9	Black Vibration Damper	Black Rubbery; Fibrous	NAD
5	AC-16.5 A	Air Handling Unit 16 - associated w/ Mechanical Duct Work	Yellow Caulk	Green Brittle	NAD
5	AC-11.5 B	Air Handling Unit 11 - associated w/ unit side base	Yellow Caulk	Green Brittle	NAD
			Gray Sealant	Light Gray Pliable	NAD
5	AC-14.5 C	Air Handling Unit 14 – associated w/ Mechanical Duct Work	Yellow Caulk	Green Brittle; White Pant-Like	NAD
6	AC-11.6 A	Air Handling Unit 11 – associated w/ unit side base	Brown Caulk	Brown Rubbery	NAD
6	AC-9.6 B	Air Handling Unit 9 – associated w/ unit side base	Brown Caulk	Brown Rubbery	NAD
6	AC-9.6 C	Air Handling Unit 9 – associated w/ Mechanical Duct Work	Brown Caulk	Brown Rubbery	NAD
7	AC-16.7 A	Air Handling Unit 16 – Steam Pressure System	2” White Pressure Pipe Insulation	Beige to Brown Fibrous	NAD
7	AC-11.7 B	Air Handling Unit 11 – Steam Pressure System	2” White Pressure Pipe Insulation	White Rubbery Covering/Jacket; Fibrous	NAD
			Yellow Insulation	Yellow Insulation; Fibrous	NAD
7	AC-14.7 C	Air Handling Unit 14 – Steam Pressure System	2” White Pressure Pipe Insulation	White Rubber Covering/Jacket; Fibrous; Silver Foil	NAD
			Yellow Insulation	Yellow Fibrous Insulation	NAD

HA #	Sample #	Sample Location(s)	Material Description	Laboratory Description	% Asbestos
NAD: No Asbestos Detected					
Bold: Asbestos Containing Material or Trace (<1%) Asbestos Present					
8	AC-16.8 A	Air Handling Unit 16 – Steam Pressure System	White Steam Pipe Elbow Joint	White Rubbery Covering/Jacket; Fibrous	NAD
			Yellow Insulation	Yellow Insulation; Fibrous	NAD
8	AC-11.8 B	Air Handling Unit 11 – Steam Pressure System	White Steam Pipe Elbow Joint	White Rubber Covering/Jacket	NAD
			Yellow Insulation	Yellow Insulation; Fibrous	NAD
8	AC-14.8 C	Air Handling Unit 14 – Steam Pressure System	White Steam Pipe Elbow Joint	White Rubbery Covering/Jacket; Fibrous	NAD
Lower Level East Mechanical Room B000M8					
1	AC-13.1 A	Air Handling Unit 13 – Steam Pressure System	White Mastic	White Mastic; Pliable	NAD
			3” White Low Pressure Pipe Insulation	White Covering/Jacket; Fibrous; Silver Metallic	NAD
			Yellow Insulation	Yellow Insulation; Fibrous	NAD
1	AC-14.1 B	Air Handling Unit 14 – Steam Pressure System	3” White Condensed Return Pipe Insulation	Beige Covering/Jacket; Silver Metallic	NAD
			Yellow Insulation	Yellow Insulation; Fibrous	NAD
1	AC-17.1 C	Air Handling Unit 17 – Steam Pressure System	White Mastic	Off-White Mastic; Pliable	NAD
			3” White Condensed Return Pipe Insulation	White Off-White Covering/Jacket; Fibrous; Silver Metallic	NAD
			Yellow Insulation	Yellow Insulation; Fibrous	NAD
2	AC-13.2 A	Air Handling Unit 13 – Chilled Water System	White Mastic	Off-White Mastic; Pliable	NAD
			3” White Chilled Water Pipe Insulation	Off-White Covering/Jacket; Fibrous; Silver Metallic	NAD
			Yellow Insulation	Yellow Insulation; Fibrous	NAD
2	AC-14.2 B	Air Handling Unit 14 – Chilled Water System	White Mastic	White Mastic; Pliable	NAD
			3” White Chilled Water Pipe Insulation	White Covering/Jacket; Fibrous; Silver Metallic	NAD
			Yellow Insulation	Yellow Insulation; Fibrous	NAD
2	AC-17.2 C	Air Handling Unit 17 – Chilled Water System	White Mastic	White Mastic; Pliable	NAD
			3” White Chilled Water Pipe Insulation	White Covering/Jacket; Fibrous; Silver Metallic	NAD
			Yellow Insulation	Tan Insulation; Fibrous	NAD
3	AC-13.3 A	Air Handling Unit 13 – Steam Pressure System	White Mastic	White Mastic; Pliable	NAD
			2” White Steam Pressure Pipe Insulation	White Covering/Jacket; Fibrous; Silver Metallic	NAD
			Yellow Insulation	Yellow Insulation; Fibrous	NAD
3	AC-14.3 B	Air Handling Unit 14 – Steam Pressure System	White Mastic	White Mastic; Pliable	NAD
			2” White Steam Pressure Pipe	White Covering/Jacket; Fibrous; Silver Metallic	NAD
			Yellow Insulation	Yellow Insulation; Fibrous	NAD
3	AC-17.3 C	Air Handling Unit 17 – Chilled Water System	White Mastic	White Mastic; Pliable	NAD
			Yellow Insulation	Yellow Insulation; Fibrous	NAD
4	AC-13.4 A	Air Handling Unit 13 – Steam Pressure System	White Mastic	White Mastic; Pliable	NAD
			White Steam Elbow Joint Insulation	White Covering/Jacket; Fibrous; Silver Metallic	NAD
			Grey Insulation	Grey Insulation; Fibrous	NAD

HA #	Sample #	Sample Location(s)	Material Description	Laboratory Description	% Asbestos
NAD: No Asbestos Detected					
Bold: Asbestos Containing Material or Trace (<1%) Asbestos Present					
4	AC-14.4 B	Air Handling Unit 14 – Chilled Water System	White Mastic	White Mastic; Pliable	NAD
			White Chilled Water Supply Elbow Joint	White Covering/Jacket; Fibrous; Silver Metallic	NAD
4	AC-14.4 C	Air Handling Unit 14 – Steam Pressure System	White Mastic	White Mastic; Pliable	NAD
			White High Pressure Elbow Joint	White Covering/Jacket; Fibrous; Silver Metallic	NAD
			Grey Insulation	Grey Insulation; Fibrous	NAD
4	AC-17.4 D	Air Handling Unit 17 – Steam Pressure System	White Mastic	White Mastic; Pliable	NAD
			White Low Pressure Elbow Joint	White Covering/ Jacket; Fibrous; Silver Metallic	NAD
			Yellow Insulation	Yellow Insulation; Fibrous	NAD
5	AC-13.5 A	Air Handling Unit 13 – Fan	Gray Sealant	Gray Pliable	NAD
			Black Vibration Damper	Gray Fibrous; Black Brittle	NAD
5	AC- 14.5 B	Air Handling Unit 14	Black Vibration Damper	Gray Fibrous; Black Brittle	NAD
5	AC-13.5 C	Air Handling Unit 13	Black Vibration Damper	Gray Fibrous; Black Brittle	NAD
6	AC-13.6 A	Air Handling Unit 13 – associated w/ unit side base	White Caulking	White Rubbery	NAD
6	AC-17.6 B	Air Handling Unit 17 – associated w/ unit side base	White Caulking	White Pliable; Fibrous	NAD
6	AC-17.6 C	Air Handling Unit 17 – associated w/ unit side base	White Caulking	Off-White Pliable; Fibrous	NAD
7	AC-13.7 A	Air Handling Unit 13 – associated w/ unit side base	Gray Sealant	Gray Rubbery	NAD
7	AC-14.7 B	Air Handling Unit 14 – associated w/ mechanical duct work	Gray Sealant	Gray Rubbery	NAD
7	AC-17.7 C	Air Handling Unit 17 – associated w/ unit side base	Gray Sealant	Gray Rubbery	NAD
			Black Insulation	Black Sponge	NAD
Engineers Chiller Plant Room BB015					
1	Chiller Plant 1A	Ceiling	Gray Fireproofing Insulation	Gray Fibrous; Powder	NAD
1	Chiller Plant 1B	Ceiling	Gray Fireproofing Insulation	Gray Fibrous; Powder	NAD
1	Chiller Plant 1C	Ceiling	Gray Fireproofing Insulation	Gray Fibrous; Powder	NAD
Lower Level Electrical Room BB038					
2	BB038 2A	Horizontal Beam Structure adjacent to AHU	Gray Fireproofing Insulation	Gray Powdery Fibrous w/ Gold Platelets	NAD
2	BB038 2B	Horizontal Beam Structure adjacent to AHU	Gray Fireproofing Insulation	Gray Powdery Fibrous w/ Gold Platelets	NAD

HA #	Sample #	Sample Location(s)	Material Description	Laboratory Description	% Asbestos
NAD: No Asbestos Detected					
Bold: Asbestos Containing Material or Trace (<1%) Asbestos Present					
2	BB038 2C	Horizontal Beam Structure adjacent to AHU	Gray Fireproofing Insulation	Gray Powdery Fibrous w/ Gold Platelets	NAD
Lower Level Electrical Room CB067					
3	CB067 3A	Wall D	Red Putty	Red Pliable	NAD
3	CB067 3B	Wall A	Red Putty	Red Pliable	NAD
			Sealant	White Paint-Like; Granular	NAD
3	CB067 3C	Wall B	Red Putty	Red Pliable	NAD
Fourth Floor West Exterior 4000M1					
1	ACU-5.1 A	Air Handling Unit 5 - Ceiling	White Fireproofing Insulation	White Powdery Fibrous	NAD
1	ACU-5.1 B	Air Handling Unit 5 – Ceiling	White Fireproofing Insulation	White Powdery Fibrous	NAD
1	ACU-5.1 C	Air Handling Unit 5 - Ceiling	White Fireproofing Insulation	White Powdery Fibrous	NAD
2	ACU-5.2 A	Air Handling Unit 5 – Mechanical Duct Work	White Mastic	White Pliable; Off-White Fibrous	NAD
			White Duct Insulation	Tan Fibrous; Silver Foil	NAD
			Yellow Insulation	Yellow Insulation; Fibrous	NAD
2	AC-2.2 B	Air Handling Unit 2 – Mechanical Duct Work	White Duct Insulation	White Pliable; Off-White Fibrous	NAD
2	AC-6.2 C	Air Handling Unit 6 – Mechanical Duct Work	White Mastic	White Pliable; Off-White Fibrous	NAD
			White Duct Insulation	Tan Covering/Jacket; Fibrous; Silver Foil	NAD
			Yellow Insulation	Yellow Insulation; Fibrous	NAD
Fourth Floor West Interior 4000M2					
1	AC-3.1 A	Air Handling Unit 3 – Ceiling	White Fireproofing Insulation	Gray Powdery; Fibrous w/ Gold Platelets	NAD
1	AC-4.1 B	Air Handling Unit 4 – Ceiling	White Fireproofing Insulation	Gray Powdery; Fibrous w/ Gold Platelets	NAD
1	AC-3.1 C	Air Handling Unit 3 – Ceiling	White Fireproofing Insulation	Gray Powdery; Fibrous w/ Gold Platelets	NAD
2	AC-4.2 A	Air Handling Unit 4 – Wall A	Gray Fireproofing Insulation	Gray Powdery; Fibrous w/ Gold Platelets	NAD
2	AC-4.2 B	Air Handling Unit 4 – Wall B	Gray Fireproofing Insulation	Gray Powdery; Fibrous w/ Gold Platelets	NAD
			Gray Cementitious (possibly underlying concrete substrate)	Gray Cementitious	NAD
2	AC-4.2 C	Air Handling Unit 4 – Wall B	Gray Fireproofing Insulation	Gray Powdery; Fibrous w/ Gold Platelets	NAD
3	AC-8.3 A	Air Handling Unit 8 – Steam Pressure System	White Mastic	Off-White Pliable	NAD
			3” White Steam Pressure Pipe Insulation	Tan Covering/Jacket; Fibrous; Silver Foil	NAD
			Yellow Insulation	Yellow Insulation; Fibrous	NAD
3	AC-3.3 B	Air Handling Unit 3 – Chilled Water System	3” White Chilled Water Pipe Insulation	Off-White Covering/Jacket; Fibrous; Silver Metallic	NAD

HA #	Sample #	Sample Location(s)	Material Description	Laboratory Description	% Asbestos
NAD: No Asbestos Detected					
Bold: Asbestos Containing Material or Trace (<1%) Asbestos Present					
3	AC-3.3 C	Air Handling Unit 3 – Steam Pressure System	White Mastic	White Mastic; Pliable	NAD
			3" White Steam Pressure Pipe Insulation	Tan Covering/Jacket; Fibrous	NAD
			Silver Paint	Silver Paint	NAD
4	AC 4.4 A	Air Handling Unit 4 – Wall A	Grey Acoustical Insulation	Off-White Fibrous	NAD
			White Covering/Jacket	White Covering/Jacket; Fibrous; Silver Metallic	NAD
			Off-White Mastic	Off-White Mastic; Pliable	NAD
			Brown Mastic	Brown Mastic; Pliable	NAD
4	AC-4.4 B	Air Handling Unit 4 – Wall A	Gray Acoustical Insulation	Gray Cementitious	NAD
4	AC-4.4 C	Air Handling Unit 4 – Wall A	Gray Acoustical Insulation	Gray Cementitious	NAD
5	AC-4.5 A	Air Handling Unit 4 – Mechanical Duct Work	Gray Duct Sealant	Gray Rubbery; Sealant	NAD
			Beige Sealant	Beige Putty; Sealant	NAD
5	AC-7.5 B	Air Handling Unit 7 – Mechanical Duct Work	Gray Duct Sealant	Gray Rubbery	NAD
5	AC-8.5 C	Air Handling Unit 8 – Mechanical Duct Work	Gray Duct Sealant	Clear Silvery Rubbery	NAD
6	AC-4.6 A	Air Handling Unit 4 – Wall B	Red Sealant	Red Rubbery	NAD
6	AC-4.6 B	Air Handling Unit 4 – Wall A	Red Sealant	Red Rubbery	NAD
6	AC-4.6 C	Air Handling Unit 4 – Wall B	Red Sealant	Red Rubbery	NAD
7	AC-4.7 A	Air Handling Unit 4 – Steam Pressure System	White Mastic on High Pressure Elbow Joint	White Mastic; Pliable	NAD
			Yellow Insulation	Yellow Insulation; Fibrous	NAD
7	AC-4.7 B	Air Handling Unit 4 – Steam Pressure System	White Mastic on Low Pressure Elbow Joint	White Mastic; Pliable	NAD
			Yellow Insulation	Yellow Insulation; Fibrous	NAD
7	AC-4.7 C	Air Handling Unit 4 – Chilled Water System	White Mastic on Chilled Water Elbow Joint	White Mastic; Pliable	NAD
			Yellow Insulation	Yellow Insulation; Fibrous	NAD
8	AC-4.8 A	Air Handling Unit 4 – Fan	Black Vibration Damper	Gray Fibrous; White Paint-Like	NAD
8	AC-4.8 B	Air Handling Unit 4	Black Vibration Damper	Gray Fibrous; White Paint-Like	NAD
8	AC-4.8 C	Air Handling Unit 4 – Fan	Black Vibration Damper	Gray Fibrous; White-Paint Like	NAD
Fourth Floor East Interior 4000M3					
1	AC-5.1 A	Air Handling Unit 5 – Mechanical Duct Work	Gray Duct Sealant	Gray Soft	NAD
			Gray Pliable	Gray Pliable	NAD
1	AC-11.1 B	Air Handling Unit 11 – Mechanical Duct Work	Gray Duct Sealant	Silver Pliable	NAD
1	AC-6.1 C	Air Handling Unit 6 – Mechanical Duct Work	Gray Duct Sealant	Gray Pliable	NAD

HA #	Sample #	Sample Location(s)	Material Description	Laboratory Description	% Asbestos
NAD: No Asbestos Detected					
Bold: Asbestos Containing Material or Trace (<1%) Asbestos Present					
2	AC-5.2 A	Air Handling Unit 5 – Wall B	Red Sealant	Red Pliable	NAD
			White Sealant	White Paint-Like; Gray Granular	NAD
2	AC-10.2 B	Air Handling Unit 10 – Wall C	Red Sealant	Red Pliable	NAD
			White Sealant	White Paint-Like; Gray Granular	NAD
			Red Foam	Red Foam-Like	NAD
2	AC-11.2 C	Air Handling Unit 11 – Wall A	Red Sealant	Red Pliable	NAD
			Red Foam	Red Foam-Like	NAD
3	AC-11.3 A	Air Handling Unit 11 – Steam Pressure System	3” White Steam High Pressure Insulation	White Covering/Jacket; Off-White Pliable; Silver Foil-Like; Yellow Adhesive-Like; White Fibrous	NAD
			Yellow Insulation	Yellow Insulation; Fibrous	NAD
3	AC-10.3 B	Air Handling Unit 10 – Chilled Water System	3” White Chilled Water Pipe Insulation	White Covering/Jacket; Fibrous; Yellow Adhesive-Like; Silver Foil-Like	NAD
			Yellow Insulation	Yellow Insulation; Fibrous	NAD
3	AC-5.3 C	Air Handling Unit 5 – Steam Pressure System	3” White Steam Low Pressure Insulation	Off-White Covering/Jacket; Brittle; Silver Foil-Like; Yellow Adhesive- Like; White Fibrous	NAD
			Yellow Insulation	Yellow Insulation; Fibrous	NAD
Fourth Floor East Exterior 4000M4					
1	AC-13.1 A	Air Handling Unit 13 – associated w/ unit side base	Gray Caulking	Gray Pliable	NAD
1	AC-13.1 B	Air Handling Unit 13 – associated w/ unit side base	Gray Caulking	Gray Pliable	NAD
1	AC-13.1 C	Air Handling Unit 13 – associated w/ Mechanical Duct Work	Gray Caulking	Gray Pliable	NAD
			Black Foam	Black Foam-Like	NAD
2	AC-13.2 A	Air Handling Unit 13 – associated w/ unit side base	Brown Caulking	Brown Pliable	NAD
2	AC-13.2 B	Air Handling Unit 13 – associated w/ Mechanical Duct Work	Brown Caulking	Brown Pliable	NAD
			Yellow Adhesive	Yellow Soft Adhesive – Like	NAD
2	AC-13.2 C	Air Handling Unit 13 – associated w/ Mechanical Duct Work	Brown Caulking	Brown Pliable	NAD
			Yellow Adhesive	Yellow Soft Adhesive - Like	NAD
3	AC-7.3 A	Air Handling Unit 7 – Mechanical Duct Work	Silver Jacket Insulation	Silver Foil-Like Covering/Jacket; Yellow Adhesive; White Fibrous	NAD
			Whit Duct Insulation	White Covering/Jacket; Fibrous	NAD
			Gray Insulation	Gray Insulation; Fibrous	NAD
3	AC-12.3 B	Air Handling Unit 12 – Mechanical Duct Work	White Duct Insulation	White Adhesive-Like; White Fibrous	NAD

HA #	Sample #	Sample Location(s)	Material Description	Laboratory Description	% Asbestos
NAD: No Asbestos Detected					
Bold: Asbestos Containing Material or Trace (<1%) Asbestos Present					
3	AC-12.3 C	Air Handling Unit 12 – Mechanical Duct Work	White Duct Insulation	Silver Covering/Jacket Foil-Like; Yellow Adhesive-Like; White Fibrous	NAD
			Yellow Insulation	Yellow Insulation; Fibrous	NAD
4	AC-7.4 A	Air Handling Unit 7 – Steam Pressure System	2" White High Pressure Pipe Insulation	White Covering/Jacket; Adhesive-Like; White Fibrous; Silver Foil-Like; Yellow Adhesive Like	NAD
			Yellow Insulation	Yellow Insulation; Fibrous	NAD
4	AC-12.4 B	Air Handling Unit 12 – Chilled Water Supply System	2" White Cold Water Supply Pipe Insulation	White Covering/Jacket; White Adhesive-Like; White Fibrous; Yellow Adhesive-Like; Silver Foil-Like	NAD
			Yellow Insulation	Yellow Insulation; Fibrous	NAD
4	AC-12.4 C	Air Handling Unit 12 – Steam Pressure System	2" White Low Pressure Pipe Insulation	White Adhesive-Like; White Fibrous; Yellow Adhesive-Like; Silver Foil-Like	NAD
Fifth Floor – West Penthouse PH1602					
1	AC-1.1 A	Air Handling Unit 1 – Mechanical Duct Work	White Duct Insulation	Pale Tan/White Covering/Jacket; Fibrous; Silver Metallic; Yellow-Gray Adhesive; White Pliable to Brittle	NAD
			Yellow Insulation	Yellow Insulation; Fibrous	
1	AC-2.1 B	Air Handling Unit 2 – Mechanical Duct Work	White Duct Insulation	Pale Tan/White Covering/Jacket; Fibrous; Silver Metallic; Yellow-Gray Adhesive; White Pliable to Brittle	NAD
			Yellow Insulation	Yellow Insulation; Fibrous	NAD
1	AC-2.1 C	Air Handling Unit 3 – Mechanical Duct Work	White Duct Insulation	Pale Tan/White Covering/Jacket; Fibrous; Silver Metallic; Yellow-Gray Adhesive; White Pliable to Brittle	NAD
			Yellow Insulation	Yellow Insulation; Fibrous	NAD
2	AC-1.2 A	Air Handling Unit 1 – Steam Pressure System	White Mastic	Pale Beige Wrap Coating/Mastic; Brittle	NAD
			2" White High Pressure Pipe Insulation	Off-White/White Covering/Jacket; Fibrous; Silver Metallic; Pale Yellow Adhesive	NAD
			Yellow Insulation	Yellow Insulation; Fibrous	NAD
2	AC-1.2 B	Air Handling Unit 1 – Chilled Water System	White Mastic	Off-White Wrap Coating/Mastic; Brittle	NAD
			2" White Chilled Water Pipe Insulation	Pale Beige/ White Covering/Jacket; Fibrous; Silver Metallic; Pale Yellow Adhesive	NAD
			Yellow Insulation	Yellow Insulation; Fibrous	NAD

HA #	Sample #	Sample Location(s)	Material Description	Laboratory Description	% Asbestos
NAD: No Asbestos Detected					
Bold: Asbestos Containing Material or Trace (<1%) Asbestos Present					
2	AC-2.2 C	Air Handling Unit 2 – Steam Pressure System	White Mastic	Pale Beige Wrap Coating/Mastic; Brittle	NAD
			2" White Low Pressure Pipe Insulation	Off-White/White Covering/Jacket; Fibrous; Silver Metallic; Pale Yellow Adhesive	NAD
			Yellow Insulation	Yellow Insulation; Fibrous	NAD
3	AC-2.3 A	Air Handling Unit 2 – Wall A	Red/White Sealant	Red/White Pliable	NAD
3	AC-2.3 B	Air Handling Unit 2 – Wall A	Red Sealant	Red Pliable	NAD
3	AC-2.3 C	Air Handling Unit 2 – Wall A	Red Sealant	Red Pliable	NAD
4	AC-1.4 A	Air Handling Unit 1 – Vibration Damper associated w/ Fan	Black Sealant	Black Pliable	NAD
4	AC-1.4 B	Air Handling Unit 1 – Vibration Damper associated w/ Fan	Black Sealant	Black Pliable	NAD
4	AC-1.4 C	Air Handling Unit 1 – Vibration Damper associated w/ Fan	Black Sealant	Black Pliable	NAD
5	AC-1.5 A	Air Handling Unit 1 – Wall C associated w/ Fan	Gray Drywall	Pale Gray Brittle; Tan to Pale Gray Fibrous	NAD
5	AC-1.5 B	Air Handling Unit 1 – Wall C associated w/ Fan	Gray Drywall	Pale Gray Brittle; Tan to Pale Gray Fibrous	NAD
5	AC-1.5 C	Air Handling Unit 1 – Wall C associated w/ Fan	Gray Drywall	Pale Gray Brittle; Tan to Pale Gray Fibrous	NAD
			White Joint Compound	White Brittle	NAD
Fifth Floor – East Penthouse PH 1603					
1	AC-4.1 A	Air Handling Unit 4 – associated w/ unit side base	Gray Sealant	Silver Pliable	NAD
1	AC-4.1 B	Air Handling Unit 4 – associated w/ Mechanical Duct Work	Gray Sealant	Silver Pliable	NAD
1	A-4.1 C	Air Handling Unit 4 – associated w/ Mechanical Duct Work	Gray Sealant	Silver Pliable	NAD
2	AC-4.2 A	Air Handling Unit 4 – associated w/ Mechanical Duct Work	Brown Sealant	Brown Pliable	NAD
2	AC-4.2 B	Air Handling Unit 4 – associated w/ unit side base	Brown Sealant	Brown Pliable	NAD
2	AC-4.2 C	Air Handling Unit 4 – associated w/ unit side base	Brown Sealant	Brown Pliable	NAD

HA #	Sample #	Sample Location(s)	Material Description	Laboratory Description	% Asbestos
NAD: No Asbestos Detected					
Bold: Asbestos Containing Material or Trace (<1%) Asbestos Present					
3	AC-4.3 A	Air Handling Unit 4 – Mechanical Duct Work	White Duct Insulation	Tan/White Covering/Jacket; Fibrous; Pale Yellow Adhesive; White Pliable to Brittle	NAD
			Yellow Insulation	Yellow Insulation; Fibrous	NAD
3	AC-4.3 B	Air Handling Unit 4 – Mechanical Duct Work	White Duct Insulation	Tan/White Covering/Jacket; Fibrous; Pale Yellow Adhesive; White Pliable to Brittle	NAD
			Yellow Insulation	Yellow Insulation; Fibrous	NAD
3	AC-3.3 C	Air Handling Unit 3 – Mechanical Duct Work	White Duct Insulation	Tan/White Covering/Jacket; Fibrous; Pale Yellow Adhesive; White Pliable to Brittle	NAD
			Yellow Insulation	Yellow Insulation; Fibrous	NAD
4	AC-4.4 A	Air Handling Unit 4 – Steam Pressure System	White Mastic	White Wrap Coating/Mastic; Brittle	NAD
			3” White Low Pressure Pipe Insulation	Off-White/White Covering/Jacket; Fibrous; Silver Metallic; Pale Yellow Adhesive	NAD
4	AC-3.4 B	Air Handling Unit 3 – Chilled Water System	White Mastic	Off-White Wrap Coating/Mastic; Brittle	NAD
			3” White Chilled Water Pipe Insulation	Beige/White Covering/Jacket; Fibrous; Silver Metallic; Pale Yellow Adhesive	NAD
			Yellow Insulation	Yellow Insulation; Fibrous	NAD
4	AC-3.4 C	Air Handling Unit 3 – Steam Pressure System	White Mastic	Beige Wrap Coating/Mastic; Brittle	NAD
			3” White High Pressure Pipe Insulation	Off-White/White Covering/Jacket; Fibrous; Silver Metallic; Pale Yellow Adhesive	NAD
			Yellow Insulation	Yellow Insulation; Fibrous	NAD

3.3. Asbestos-Containing Materials Inventory

F&R conducted a survey of the reasonably and safely accessible portions of the fifteen (15) mechanical and electrical rooms that include Lower Level West AB038, Lower Level East B000MB, Fourth Floor West Exterior 4000M1, Fourth Floor West Interior 4000 M2, Fourth Floor East Interior 4000M3, Fourth Floor East Exterior 4000M4, West Penthouse PH1602, East Penthouse PH1603, Lower Level Electrical Room B000M8, West Electrical Room B00M2, East Electrical Room CB016, Engineers Chiller Plant Room BB015 and BB015A, Lower Level Mechanical / Electrical Room BB030, Lower Level Electrical Room CB066, and Lower Level Electrical Room CB067, which were included in the planned replacement of the AHU and ESS. Laboratory analysis of the

collected, submitted, and analyzed samples indicated an analytical result of "None Detected" with regard to asbestos content.

However, F&R has reviewed previous Smithsonian Institution hazardous material investigation reports and the NMAH Facility Asbestos Inventory provided by the Client, and identified the following AOCs that contain ACM as detailed in Section 1.3, above:

- Lower Level West AB038
- West Electrical Room B00M2
- Lower Level East B000M8
- East Electrical Room CB016
- Engineers Chiller Plant Room BB015 / BB015A
- Lower Level Electrical Room CB066 and CB067
- Fourth Floor West Exterior 4000M1
- Fourth Floor East Interior 4000M3
- West Penthouse PH1602

The following table presents identified materials containing greater than 1% asbestos, as well as presumed materials with regard to F&R survey activities and verified information obtained from Client provided previous reports. Estimated quantities of the ACMs identified are provided for use in development of budgetary estimates for demolition and may not accurately represent all materials present. The locations noted and quantities provided are only for the areas associated with the planned renovation and do not include other locations or quantities within the building.

Note that, the NMAH Facility Asbestos Inventory did not include the asbestos percent detected during the previous hazardous material investigations. Refer to Appendix C – Historical Documentation for the complete NMAH Facility Asbestos Inventory list provided by the Client.

ASBESTOS-CONTAINING MATERIALS INVENTORY

Sample I.D.[1]	Material Description	Material Location(s)	Report Title/Year[2]	Estimated Quantity
HAZ 19241	Drywall and Joint Compound	Fourth Floor West Exterior 4000M1 – East Wall	AMA 2009	900 SF[3]
HAZ 19245	Drywall and Joint Compound	Fourth Floor East Interior 4000M3 – West Wall	AMA 2009	780 SF
HAZ 19567	Duct Joiner	Lower Level West AB038 – ACU 9 (1 @ 4'x4')	Hygienetics 1989	16 SF
HAZ 19635	Fire Door	Lower Level West Electrical Room B00M2 – North Wall to B000C9 (2 @ 3'x7') and East Wall to B000C8 (2 @ 3'x7')	AMA 2009	4 units (84 SF)
HAZ 19636	Fire Door	Lower Level Room B000M8 – East Wall to CB067 (2 @ 3'x7')	AMA 2009	2 units (42 SF)
HAZ 19661/ HAZ 19656	12 x12" Vinyl Floor Tile w/ associated Mastic	Engineers Chiller Plant Room BB015/ BB015A – Throughout floor	Goel 2009/AMA 2009	328 SF

Sample I.D.[1]	Material Description	Material Location(s)	Report Title/Year[2]	Estimated Quantity
HAZ 19657	Drywall and Joint Compound	Engineers Chiller Plant Room BB015 / BB015A – North, South, and West Walls	AMA 2009	330 SF
HAZ 19728	Brown Duct Pin Mastic	Lower Level East Electrical Room CB016 – Throughout Duct Work	N/A	400 SF
HAZ 19729	Fire Door	Lower Level East Electrical Room CB016 – South Wall to B000C3 (2 @ 3'x7')	AMA 2009	2 units (42 SF)
HAZ 19770	Cementitious Pipe Fitting	Lower Level Electrical Room CB066 – Throughout 6 Fittings	Hygienetics 1989	6 Fittings
HAZ 19768	Duct Joiner	Lower Level Electrical Room CB067 – Throughout the Duct Work (1 @ 5'x5')	Hygienetics 1989	25 SF
HAZ 19792	Fire Door	Fifth Floor West Penthouse PH1602 – East Wall (1 @ 3'x7')	AMA 2009	1 unit (21 SF)

[1]The Sample I.D. refers to the sample number given to the ACM identified in previous Smithsonian Institution hazardous material investigation reports listed in the NMAH Facility Asbestos Inventory.

[2]Report Title/Year indicates the referenced previous hazardous material investigation reports detailed in the NMAH Facility Asbestos Inventory, which identified ACM located in AOCs specified in the Project SOW.

[3]SF = Square Feet

F&R presumes that, where materials have been documented to be ACMs and where those materials are similar to other materials which have not been found to be positive, those similar materials will be considered to be ACMs (i.e. where one material was analyzed and found to be positive, it is prudent to consider other similar materials positive, despite potential analytical data to the contrary).

3.3.1. Presumed Asbestos-Containing Materials

During the conduct of this survey, sampling was limited to those materials which were within the areas designated by the client as being part of the planned renovation, which were safely accessible, and which were able to be sampled without damaging systems or structures. The interior of the eight (8) fire doors located at the mechanical and electrical rooms mentioned above were not sampled. As such, this survey as performed does not constitute a comprehensive building or tenant space survey and this report shall not be utilized for the determination of presence or absence of Regulated Materials outside of the renovation area should the scope of work be altered or expanded beyond that of the currently scheduled upgrades and renovations.

Note that, some materials should be presumed to be positive, unless sampling is conducted and shown to be negative. Such presumed asbestos containing materials (PACMS) include, but are not limited to:

- Fire Door Interiors

If during renovation, work is performed that will impact any suspect materials, including the fire doors, which have not been previously analyzed, it is recommended that these materials be sampled by a Licensed Asbestos Inspector prior to disturbance or assumed to be ACM and treated accordingly.

Note that asbestos was used in over 3,000 known products and was used extensively in construction materials including in insulation and finish materials such as drywall-based systems, acoustical tiles, caulks and mastics, vinyl-based materials, and specialty products. Asbestos also continues to be used in new construction because, as stated by the EPA, "the manufacture, importation, processing, and distribution in commerce of [various] products […] are not banned."

3.4. Asbestos-Containing Materials Recommendations

F&R conducted a survey of the reasonably and safely accessible portions of the mechanical and electrical rooms that include Lower Level West AB038, Lower Level East B000M8, Fourth Floor West Exterior 4000M1, Fourth Floor West Interior 4000 M2, Fourth Floor East Interior 4000M3, Fourth Floor East Exterior 4000M4, West Penthouse PH1602, East Penthouse PH1603, Lower Level Electrical Room B000M8, West Electrical Room B00M2, East Electrical Room CB016, Engineers Chiller Plant Room BB015 / BB015A (note that room BB015 and BB015A comprise a single space but have been historically been identified both ways), Lower Level Mechanical / Electrical Room BB030, Lower Level Electrical Room CB066, and Lower Level Electrical Room CB067, which were included in the planned replacement of the AHU and ESS. Laboratory analysis of the collected, submitted, and analyzed samples indicated an analytical result of “None Detected” with regard to asbestos content.

However, as detailed above, several materials were identified as asbestos-containing, utilized in various instances through the structure in other reports and may be present in the renovation area. ACM was identified in nine (9) out of the fifteen (15) AOCs of the project, and were listed on the NMAH Facility Asbestos Inventory. The inventory is a complete list of ACM identified during previous Smithsonian Institute hazardous materials investigations at NMAH. The materials determined to be asbestos-containing in areas specific to the project, include Drywall and Joint Compound, Duct Joiner, Fire Doors, Floor Tile with associated Mastic, Brown Duct Pin Mastic, and Cementitious Pipe Fittings.

As such, prior to renovation and/or demolition activities, F&R recommends that the identified ACMs be appropriately removed, handled, and disposed of by an appropriately licensed/accredited Abatement Contractor utilizing appropriately licensed/accredited personnel.

F&R further recommends that a third party Asbestos Professional be retained to provide on-site surveillance and guidance of the Asbestos Abatement Contractor to confirm complete and

proper removal/disposal of ACMs in accordance with applicable federal, state, and local regulations. This recommendation is made as a best practice to reduce potential exposure to workers and limit liability.

Should additional suspect ACMs be discovered during renovation activities that have not been sampled and will be disturbed, F&R recommends work be temporarily halted. Samples of suspect materials should be collected, analyzed, and handled accordingly prior to the resumption of renovation activities.

Additionally, F&R further recommends that an Asbestos Abatement Contractor, utilizing appropriately accredited personnel, be engaged to properly remove newly discovered ACMs prior to renovation and/or demolition activities. If asbestos abatement activities are performed within the building, the work should be performed by an appropriately licensed asbestos abatement contractor.

3.5. Applicable Regulations

3.5.1. EPA/NESHAP Regulations for Asbestos-Containing Materials

The U.S. Environmental Protection Agency promulgated the National Emission Standards for Hazardous Air Pollutants (NESHAP) [40 CFR Part 61], which addresses the application, removal, and disposal of asbestos-containing materials (ACM). Under NESHAP the following categories are defined for asbestos-containing materials:

Friable - When dry, can be crumbled, pulverized, or reduced to powder by hand pressure.

Non-friable - When dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure.

Category I Non-friable ACM - Packings, gaskets, resilient floor coverings, and asphalt roofing products containing more than 1% asbestos.

Category II Non-friable ACM – Material, excluding Category I Non-friable ACM, which contains more than 1% asbestos.

Regulated Asbestos Containing Material (RACM) – One of the following:

1. Friable ACM
2. Category I Non-friable ACM that has become friable.
3. Category I Non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading.

4. Category II Non-friable ACM that has a high probability of becoming, or has become, friable by the forces expected to act on the material in the course of demolition or renovation operations.

Under NESHAP, the following actions are required:

1. Prior to the commencement of demolition or renovation activities, the building owner must inspect the affected facility or part of the facility where the demolition or renovation activities will occur for the presence of asbestos.

2. Remove RACM from the facility before activities begin that would break up, dislodge, or similarly disturb the material or preclude access for subsequent removal.

3. RACM need not be removed if:

   a) It is Category I non-friable ACM that is not in poor condition.
   b) It is on a facility component that is encased in concrete or other similar material and is adequately wet whenever exposed.
   c) It was not accessible for testing and was therefore not discovered until after demolition began and because of the demolition the material cannot be safely removed.
   d) It is Category II non-friable ACM and the probability is low that the material will become crumbled, pulverized, or reduced to powder during demolition.

3.5.2. Washington, D.C. Department of Energy & Environment Asbestos Laws and Regulations

The Washington, D.C. Department of Energy & Environment (DDOE) administers the Asbestos Program which accredits and certifies individuals, and issues permits for asbestos removal projects on behalf of the Federal NESHAP program, which has been delegated to Washington, D.C.

For more information, visit the Washington, D.C. Asbestos Laws and Regulations website at: https://doee.dc.gov/service/asbestos-laws-and-regulations.

3.5.3. OSHA Asbestos Regulations

The Occupational Safety and Health Administration (OSHA) regulates employee exposure to asbestos under 29 CFR 1926.1101 and 29 CFR 1910.1001. Work associated with known or

suspect ACMs must be conducted according to these regulations in addition to the noted EPA regulations.

4.0 REFERENCES

"Mission & History." *Smithsonian National Museum of American History – Kenneth E. Behring Center.* http://americanhistory.si.edu/museum/mission-history. (Accessed December 27, 2018)Smithsonian Institution - Office of Planning, Design, and Construction. *National Museum of American History: Pre-Project Planning Report for Public Space Renewal Project (PSRP) IV (SF Project Number 1403101).* October 2017.

Smithsonian Institution – Office of Planning Design & Construction A/E Scope of Work. *Lower Level, Fourth Floor, Fifth Floor & Penthouse Level – AHU Replacement and Electrical Study, National Museum of American History.* June 13, 2018. SF Project Number: 1703106.

Smithsonian Institution – Office of Safety Health and Environmental Management, Environmental Management Division. *Results of Bulk Asbestos Samples for Project 1303117 "Objects Processing", National Museum of American History (NMAH) Room CB040.* November 16, 2018.

Smithsonian Institution – Office of Safety Health and Environmental Management, Environmental Management Division. *Results of Bulk Asbestos Samples & Lead-Based Paint Survey, Project 1803107 Black Box Latino Gallery Exhibit, Rooms 1051/1051B, National Museum of American History (NMAH).* February 27, 2018.

Smithsonian Institution – Office of Safety Health and Environmental Management, Environmental Management Division. *Results of Bulk Asbestos Samples & Lead-Based Paint Survey, Project 1803110, National Museum of American History (NMAH) Lower Level & Lower Level Mezzanine.* October 15, 2018.

5.0 LIMITATIONS

This report has been prepared for the exclusive use of the AnnBeha Architects and/or their agents. This service was performed in accordance with generally accepted environmental practices. No other warranty, expressed or implied, is made. Conclusions and recommendations are based, in part, upon information provided to us by others and site observations. We have not verified the completeness or accuracy of the information provided by others, unless otherwise noted. Observations and recommendations are based upon conditions readily visible at the site at the time of the site visit, and upon current industry standards.

During this study, suspect asbestos samples were submitted for analysis at a NVLAP-accredited laboratory via polarized light microscopy. Inaccessible areas, such as behind solid ceilings or behind solid walls were not surveyed; therefore, some target materials may not have been identified. As

with similar surveys of this nature, actual conditions exist only at the precise locations from which samples were collected or tested. Areas inspected were limited to those designated by the scope of services by the Client. Certain inferences are based on the results of this sampling and related testing to form a professional opinion of conditions in areas beyond those from which the samples were collected. Unless otherwise noted, F&R does not claim to have performed exhaustive delineation and/or quantification of identified materials; it is the responsibility of the client or abatement contractor to verify locations and quantities of regulated materials. Visual evaluation of other materials of concern conducted comprised a cursory visual review of the building materials and, to a limited extent, contents of the facility. It is also understood that this is a non-invasive survey so that it is possible that concealed materials may be present that were not accessible during the original survey. No other warranty, expressed or implied, is made. Reasonable effort was made by inspection personnel to locate and sample suspect materials within the structure with regard to the scope of services. However, for a facility, the existence of unique or concealed ACMs is a possibility. F&R does not warrant, guarantee or profess to have the ability to locate or identify all ACMs in a facility.

Under this scope of services, F&R assumes no responsibility regarding response actions (e.g. O&M Plans, Encapsulation, Abatement, Removal, Tenant Notification, etc.) initiated as a result of these findings. F&R assumes no liability for the duties and responsibilities of the Client with respect to compliance with appropriate regulations. Compliance with regulations and response actions are the sole responsibility of the Client and should be conducted in accordance with local, state, and/or federal requirements and should be performed by appropriately qualified and licensed/accredited personnel, as warranted.

Froehling & Robertson, Inc. by virtue of providing the services described in this report, does not assume the responsibility of the person(s) in charge of the site, or otherwise undertake responsibility for reporting to local, state, or federal public agencies conditions at the site that may present a potential danger to public health, safety, or the environment. The Client agrees to notify the appropriate local, state, or federal public agencies as required by law, or otherwise to disclose, in a timely manner, information that may be necessary to prevent danger to public health, safety, or the environment. The contents of the report should not be construed in any way as a recommendation to purchase, sell, or develop the project site. F&R retains the right to revise this report if new information is later discovered or made available. The report must be presented in its entirety.

Appendix A

F&R Personnel and Laboratory Accreditations

AEROSOL MONITORING & ANALYSIS, INC.

This is to certify that

STEPHANIE SANTIAGO

has met the attendance requirements and successfully completed the course entitled

3-DAY EPA AHERA INSPECTOR

For Accreditation Under TSCA Title II

04/10/2017 to 04/12/2017	04/12/2017	4/12/2018	STEVE SIERACKI
Course Date	***Exam Date***	***Expiration Date***	***Principal Instructor***

AI04102017-8	E. Rush Barnett
Certification No.	***Course Director***

1331 Ashton Road *P.O.Box 646* *Hanover, MD 21076* *P: 410-684-3327* *F: 410-684-3724*

www.amatraining.com

SINCE

1881

Certificate of Completion

This is to certify that

Stephanie Santiago

Has attended and satisfactorily passed an examination covering the contents of an EPA/AHERA approved course entitled

4 Hour Asbestos Inspector Refresher Training Course

EPA Approved Under TSCA Title II

January 16, 2019
Course Date

January 16, 2019
Examination Date

F&R Richmond, VA
Course Location

January 16, 2020
Expiration Date

9208
Student Number

FR19-5897
Certificate Number

Christy L. Slaw
Training Program Manager

E. Glenn Hargrove
Instructor

FROEHLING & ROBERTSON, INC
3015 Dumbarton Road
Richmond, Virginia 23228
Telephone: 804-264-2701
Fax: 804-266-1275

CERTIFICATE OF COMPLETION

This is to certify that

Janet Mbusiro Nyirabu

Has attended and satisfactorily passed an examination covering the contents of an EPA/AHERA approved course entitled

24 Hour Asbestos Inspector Initial Training Course

EPA Approved Under TSCA Title II

7/19/2017-7/21/2017	**7/21/2017**
Course Date	Examination Date
Roanoke, VA	**7/21/2018**
Course Location	Expiration Date
6391	**FR17-5788**
Student Number	Certificate Number
Christy Slaw	
Christy Slaw Training Program Manager	Glenn Hargrove, CIH,CSP,PG Instructor

FROEHLING & ROBERTSON, INC.
3015 Dumbarton Road
Richmond, Virginia 23228
804.264.2701

SINCE

1881

Certificate of Completion

This is to certify that

Janet Nyirabu

Has attended and satisfactorily passed an examination covering the contents of an EPA/AHERA approved course entitled

4 Hour Asbestos Inspector Refresher Training Course

EPA Approved Under TSCA Title II

January 16, 2019	**January 16, 2019**
Course Date	Examination Date
F&R Richmond, VA	**January 16, 2020**
Course Location	Expiration Date
0939	**FR19-5895**
Student Number	Certificate Number
Christy L. Slaw	E. Glenn Hargrove
Christy L. Slaw Training Program Manager	E. Glenn Hargrove Instructor

FROEHLING & ROBERTSON, INC
3015 Dumbarton Road
Richmond, Virginia 23228
Telephone: 804-264-2701
Fax: 804-266-1275

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 101882-0

Environmental Hazards Services, L.L.C.

N. Chesterfield, VA

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

Asbestos Fiber Analysis

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2018-01-01 through 2018-12-31

Effective Dates

DEPARTMENT OF COMMERCE * UNITED STATES OF AMERICA *

For the National Voluntary Laboratory Accreditation Program

NVLAP® National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Environmental Hazards Services, L.L.C.
7469 Whitepine Road
N. Chesterfield, VA 23237-2261
Ms. Julie Dickerson
Phone: 804-275-4788 Fax: 804-275-4907
Email: jdickerson@leadlab.com
http://www.leadlab.com

ASBESTOS FIBER ANALYSIS

NVLAP LAB CODE 101882-0

Bulk Asbestos Analysis

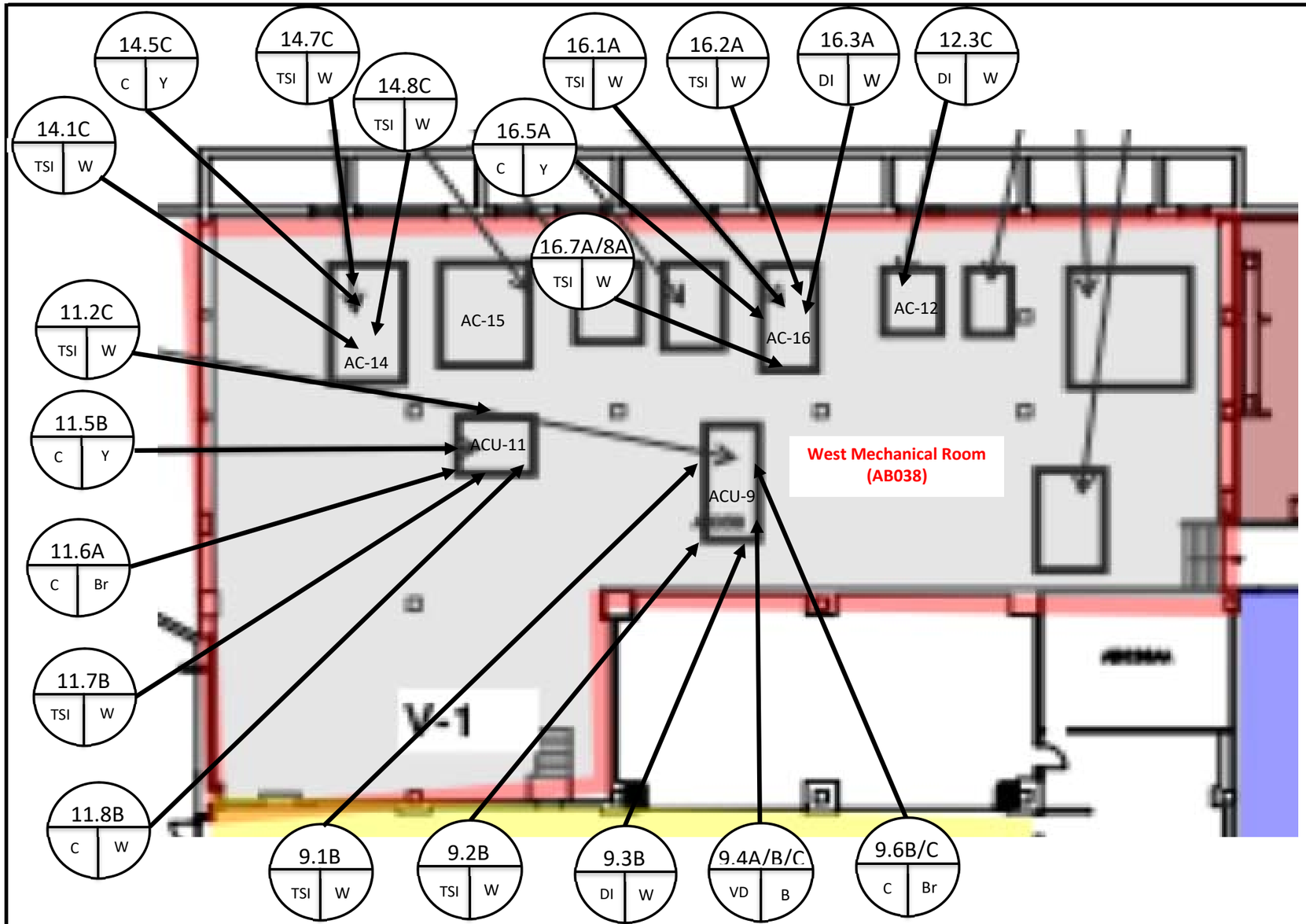
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18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

For the National Voluntary Laboratory Accreditation Program

Effective 2018-01-01 through 2018-12-31

Appendix B

Suspect Asbestos Facility Diagram



Notes:
Not drawn to scale.

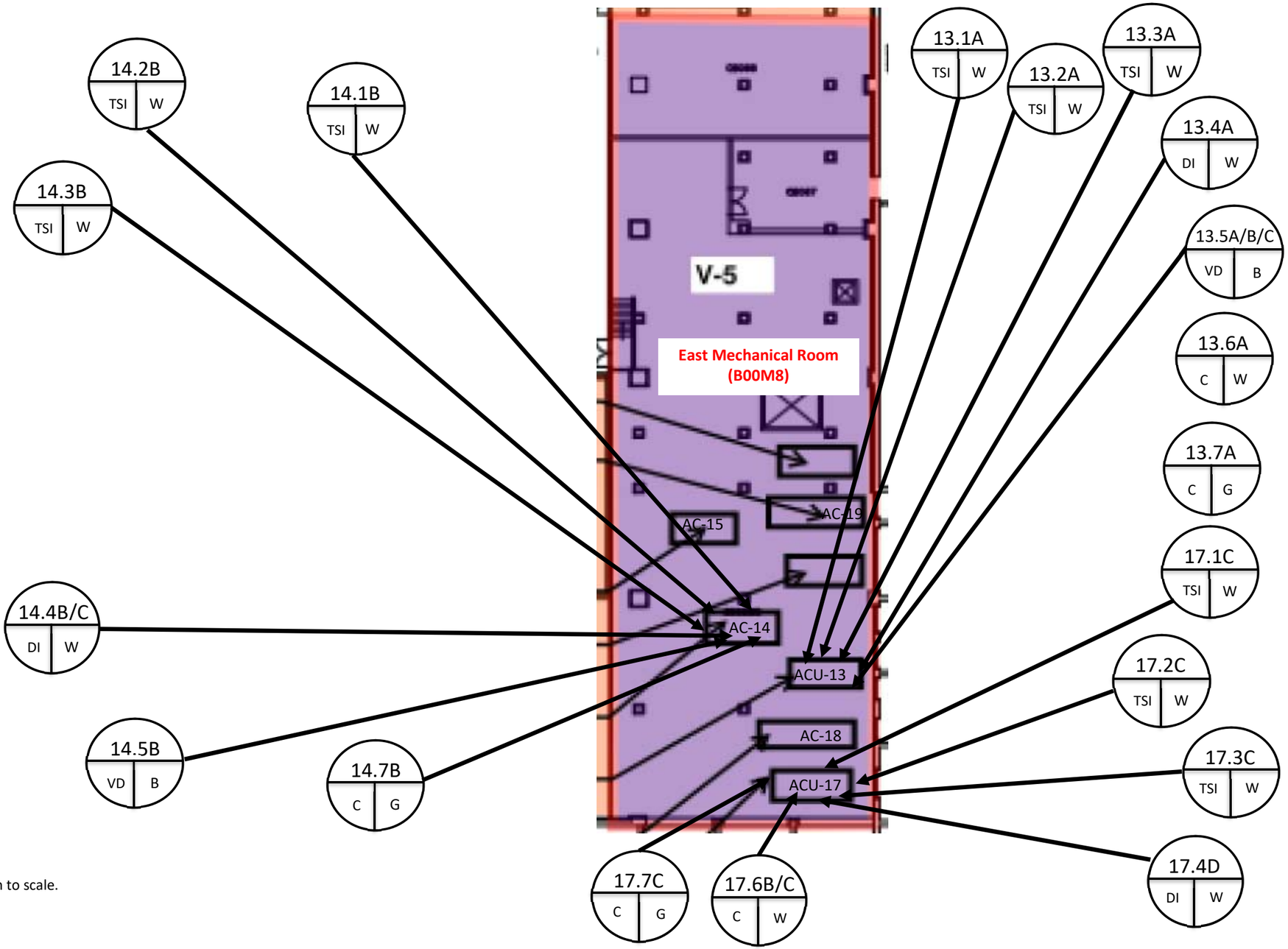
Figure Notes

Sample #	Sample Description
1A-C	3" White TSI CWS Vertical [NAD]
2A-C	3" White TSI Steam Vertical [NAD]
3A-C	White Duct Insulation [NAD]
4A-C	Black vibration Dampener [NAD]
5A-C	Yellow Caulking
6A-B	Brown Caulking [NAD]
7A-B	2" White TSI Steam Horizontal [NAD]
8A-B	White Caulking [NAD}

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National Museum of American History
Lower Level - West Mechanical Room
1300 Constitution Ave NW, Washington DC 20560

National Museum of American History			
Project No.:	72W-0127	Scale:	NTS
Date:	2-Jan-19	Drawn:	JN
Drawing No.:	1	Checked:	JP



Notes:
Not drawn to scale.

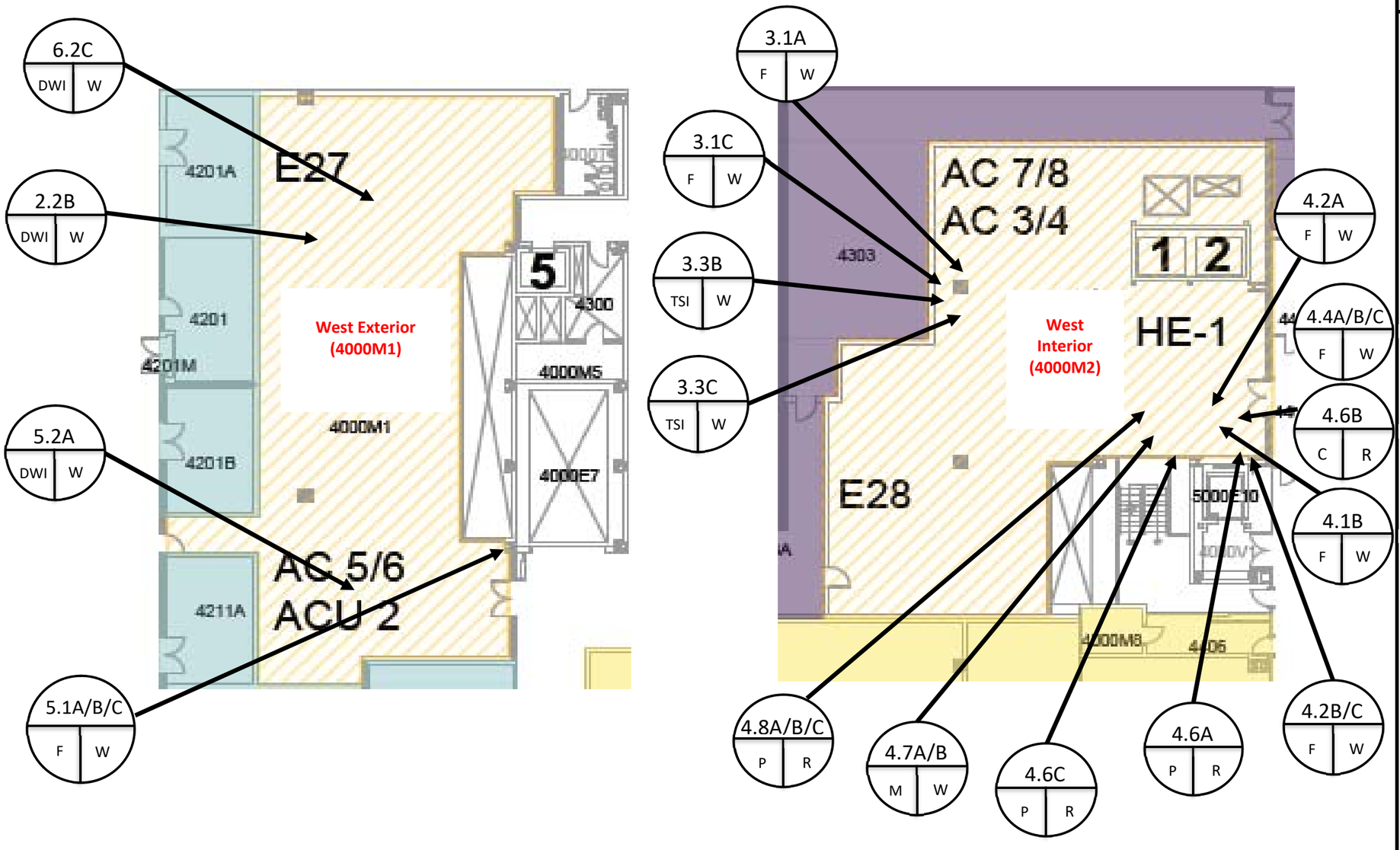
Figure Notes

Sample #	Sample Description
1A-C	3" White TSI L.P Steam Vertical [NAD]
2A-C	3" White TSI CWS Vertical [NAD]
3A-C	3" White TSI Steam Horizontal [NAD]
4A-C	White Duct Insulation [NAD]
5A-C	Black Vibration Dampener
6A-B	White Caulking [NAD]
7A-B	Grey Caulking [NAD]

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National Museum of American History
Lower Level - East Mechanical Room
1300 Constitution Ave NW, Washington DC 20560

National Museum of American History			
Project No.:	72W-0127	Scale:	NTS
Date:	2-Jan-19	Drawn:	JN
Drawing No.:	2	Checked:	JP



Notes:
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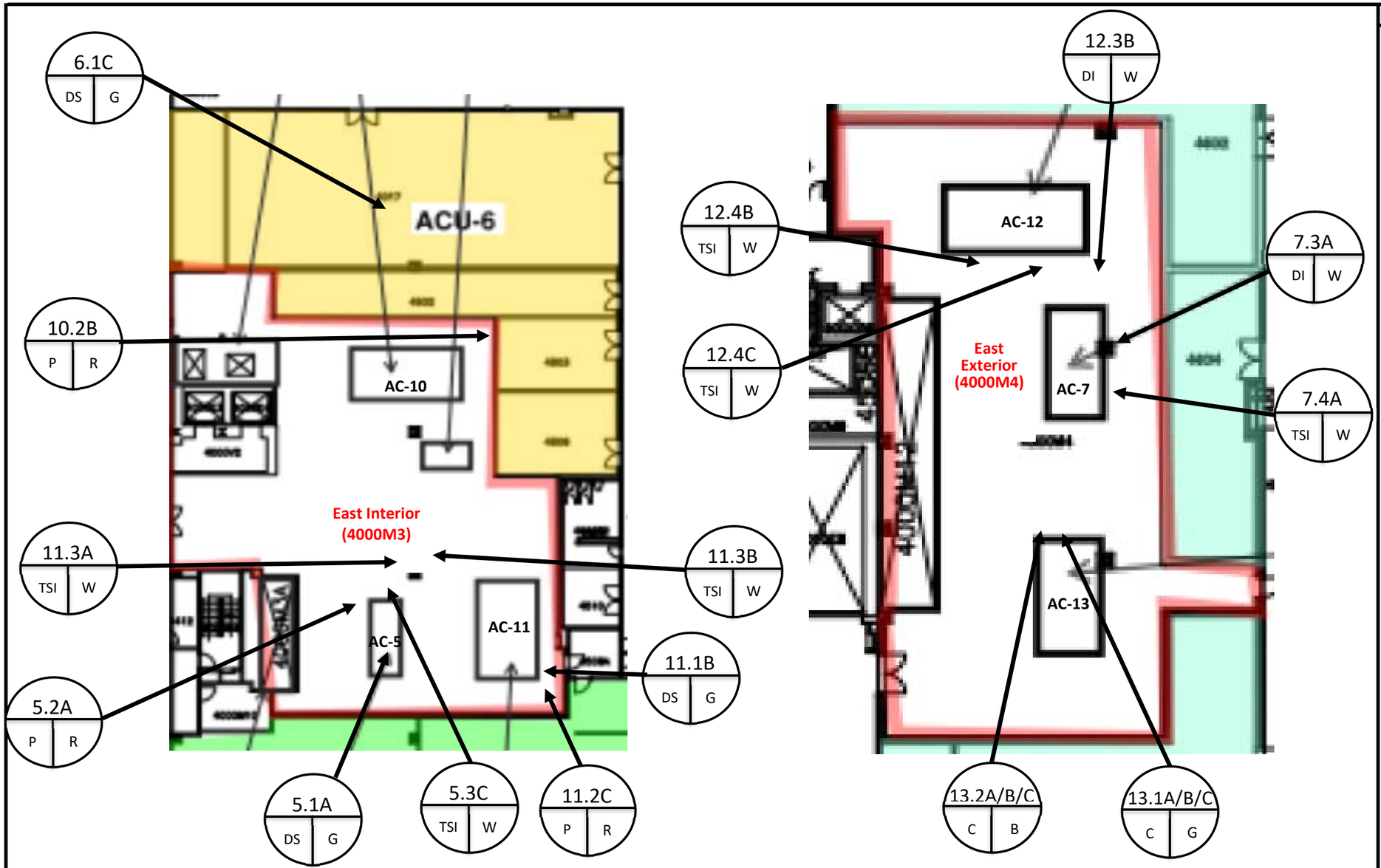
Figure Notes

Sample #	Sample Description
1A-C	White Ceiling Fireproofing [NAD]
2A-C	White Ductwork Insulation [NAD]
3A-C	White TSI [NAD]
4A-B	Grey Cementious Putty [NAD]
5A-B	Grey Duct Sealant [NAD]
6A-B	Red Putty [NAD]
7A-B	White TSI Mastic [NAD]
8A-B	Black Vibration Dampener [NAD}

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National Museum of American History
Fourth Floor - West Exterior (4000M1) & Interior (4000M2) Mechanical Rooms
1300 Constitution Ave NW, Washington DC 20560

National Museum of American History			
Project No.:	72W-0127	Scale:	NTS
Date:	2-Jan-19	Drawn:	JN
Drawing No.:	3	Checked:	JP



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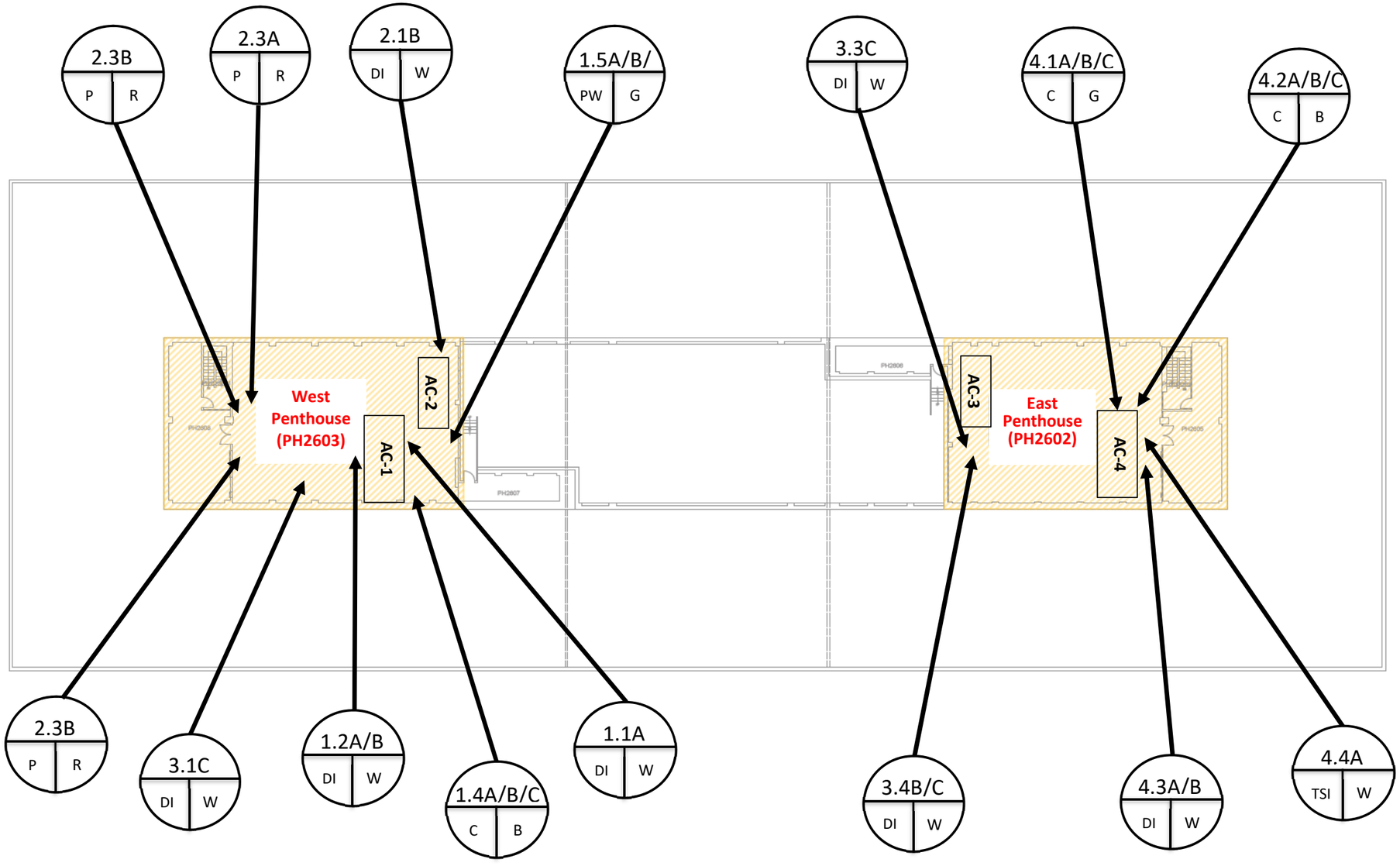
Figure Notes

Sample #	Sample Description
	East Interior (4000M3)
1A-C	Grey Duct Sealant [NAD]
2A-C	Red Putty [NAD]
3A-C	3" White TSI [NAD]
	East Exterior (4000M4)
1A-C	Grey Caulking [NAD]
2A-C	Brown Caulking [NAD]
3A-C	White Duct Insulation [NAD]
4A-C	White TSI [NAD]

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National Museum of American History
Fourth Floor - East Interior (4000M3) & Exterior (4000M4) Mechanical Rooms
1300 Constitution Ave NW, Washington DC 20560

National Museum of American History			
Project No.:	72W-0127	Scale:	NTS
Date:	2-Jan-19	Drawn:	JN
Drawing No.:	4	Checked:	JP



Notes:
Not drawn to scale.

Figure Notes

Sample #	Sample Description
	East Penthouse
1A-C	Grey Caulking [NAD]
2A-C	Brown Caulking [NAD]
3A-C	White Duct Insulation [NAD]
	West Penthouse
1A-C	White Duct Insulation [NAD]
2A-C	White TSI [NAD]
3A-C	Red Putty [NAD]
4A-C	Black Caulk [NAD]
5A-C	Grey Plaster Wall [NAD]

Froehling & Robertson, Inc.
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T 703.996.0123 I F 703.996.0124

National Museum of American History
Penthouse - East (PH2602)and West (PH2603)
1300 Constitution Ave NW, Washington DC 20560

National Museum of American History			
Project No.:	72W-0127	Scale:	NTS
Date:	2-Jan-19	Drawn:	JN
Drawing No.:	5	Checked:	JP

Appendix C

Historical Documentation

Smithsonian Institution

Memo

Office of Safety Health and Environmental Management
Environmental Management Division

Date: February 27, 2018

To: Mauricio Rodriguez, Mechanical Engineer/Design Manager
Office of Planning, Design & Construction (OPDC)

Cc: Jaime E. Kurry
Angel Rodriguez
Irene Kariampuzha
Thomas Hollister

Thru: Hayes C. Robinson, III, M.S., Associate Director HCR III

From: Sophia Kapranos, Industrial Hygienist, Licensed EPA AHERA Asbestos Inspector SK

Subject: **Results of Bulk Asbestos Samples & Lead-Based Paint Survey, Project 1803107 Black Box Latino Gallery Exhibit, Rooms 1051/1051B, National Museum of American History (NMAH).**

Action Required: For information only - no response required.

Analysis of bulk samples, from the ceiling area of rooms 1051 & 1051B, revealed that the various materials sampled (e.g., HVAC insulation, pipe, structural components) are not classified as asbestos containing material (ACM) according to the U.S. Environmental Protection Agency (EPA). In addition, the black paint coating most of the ceiling and components is not classified as lead-based paint (LBP) according to the EPA and the Department of Housing & Urban Development (HUD) lead standards. This memorandum transmits the results and describes the sampling methodology.

BACKGROUND

On February 8, 2018, the ceiling components in rooms 1051 & 1051B were assessed for asbestos and LBP in response to the Project 1803107 SD-410 review, *Black Box Latino Gallery* exhibit, at the National Museum of American History (NMAH). The HVAC ducts may need to be modified in preparation for the new exhibit, and it is unknown if the HVAC ducts were replaced during the 2006 Public Space Renewal Project II (PSRP II) renovation. Therefore, the suspect asbestos materials and the black paint were sampled to ascertain the content and to ensure compliance with EPA and Occupational Safety & Health Administration (OSHA) regulations.

This report is in conjunction with OSHEM's February 9th, 2018, report entitled "*Results of Lead-Based Paint Survey, Project 1803107 Black Box Latino Gallery Exhibition, National Museum of American History (NMAH), Rooms 1051 & 1051B.*"

PO Box 37012
600 Maryland Avenue, SW, Suite 7107, MRC - 514
Washington, DC 20013-7012
202.633.2530 Telephone
202.633-2683 Fax

SAMPLING METHODOLOGY

Asbestos and LBP surveys were conducted in the ceiling area of rooms 1051 and 1051B, using a Genie GR-20 scissor lift, to ensure that these hazards are not present during the Project 1803107 construction effort.

- Asbestos Survey: Seventeen (17) bulk samples were collected to determine if these materials are positive for asbestos. The HVAC insulation was sampled since it will likely be impacted during the exhibit construction, as well as other common asbestos containing materials (e.g., pipe mud, sheet rock, joint compound, caulk/sealant). The asbestos survey categorized the samples in five (5) homogeneous areas (same texture and color). Table 1 describes each of the homogeneous areas.

  Each sample was collected using wet methods to prevent airborne dust, and stored in individual air-tight plastic bags. The sampling tools were cleaned after each sample using disinfectant wipes. Penetrations caused during sampling were patched, with either an encapsulant (Fiberlock Technologies® ABC spray encapsulant) or duct tape, immediately after each sample was collected. The samples were shipped to Aerosol Monitoring and Analysis, Inc., an accredited lab (NVLAP code 101143-0), to be analyzed by polarized light microscopy (PLM) using EPA Method 600/R-93/116.

- Lead-Based Paint (LBP) Survey: The LBP survey focused on the black paint which coats most of the surfaces in the ceiling area. Currently, rooms 1051 and 1051B are used as storage. However since this area was a former exhibit, the ceiling area was painted black for design and esthetics reasons since ceiling tiles were not installed. This black paint was assessed as a single homogeneous area.

  The lead concentrations were measured with a portable direct-reading Olympus X-ray fluorescence analyzer (XRF) (model #: DPO-4000, SN 541310). The XRF was standardized before use, and was field tested before and during use.

RESULTS

None of the seventeen (17) bulk samples contained ACM according to the laboratory analytical report. EPA defines ACM as a material containing 1% or more asbestos. A summary of the results is included in Table 1 of this section, and the laboratory report/Chain of Custody is included in Attachment 2.

Approximately fifteen (15) direct-reading measurements were collected from the black painted surfaces. All of the readings were **0.00 milligrams of lead per square centimeter (mg/cm^2)**. A summary of the results is included in Table 1 of this section. Paint is classified as LBP based on the following HUD action levels:

- Painted Surfaces (as measured by XRF): ≥ 1.0 mg/cm^2 of surface area
- Bulk Paint Samples: > 0.5% by weight from laboratory analysis
- Wipe Samples: < 40 micrograms per square foot ($\mu g/ft^2$) for floors
  < 250 $\mu g/ft^2$ for window sills
  < 400 $\mu g/ft^2$ for window wells/troughs

Table 1: Bulk Asbestos & LBP (Black Paint) Sampling Results Ceiling Area in Rooms 1051 & 1051B						
Homogeneous Area	Location	Bulk Asbestos Samples				Black Paint Concent. (mg/cm²)
		Sample #	Friable	Condition	% ACM *	
HVAC Duct Insulation (**yellow**)	HVAC duct running along the east side of room 1051, north side of room	NMAH-1501-8FEB18-1	Yes	Severely Damaged	NAD	0.00
		NMAH-1501-8FEB18-2	Yes	Severely Damaged	NAD	
		NMAH-1501-8FEB18-3	Yes	Severely Damaged	NAD	
	HVAC duct running along the east side of room 1051, north side of room	NMAH-1501-8FEB18-4	Yes	Severely Damaged	NAD	0.00
		NMAH-1501-8FEB18-5	Yes	Severely Damaged	NAD	
		NMAH-1501-8FEB18-6	Yes	Severely Damaged	NAD	
HVAC Duct Insulation (**orange/yellow**)	HVAC duct running along the west side of room 1051, north side of room	NMAH-1501-8FEB18-7	Yes	Severely Damaged	NAD	0.00
		NMAH-1501-8FEB18-8	Yes	Severely Damaged	NAD	
		NMAH-1501-8FEB18-9	Yes	Severely Damaged	NAD	
Mud/Patch (**White**)	24”x42” & 5”x16” patches of mud on west wall	NMAH-1501-8FEB18-10	No	Good	NAD	NA **
		NMAH-1501-8FEB18-11	No	Good	NAD	
HVAC Duct Mud (**gray**)	HVAC duct running along south side of room 1051	NMAH-1501-8FEB18-12	No	Good	NAD	NA **
Sheet Rock Mud (**white**), chalk-like/ cementitious material	Material covering structural beams, south side of room 1051	NMAH-1501-8FEB18-13	No	Good	NAD	0.00
		NMAH-1501-8FEB18-14	No	Good	NAD	
	Material covering structural beams throughout rooms, north side of room 1051	NMAH-1501-8FEB18-15	No	Good	NAD	0.00
		NMAH-1501-8FEB18-16	No	Good	NAD	
		NMAH-1501-8FEB18-17	No	Good	NAD	

* **NAD** = No Asbestos Detected.

** The homogeneous area was not painted black. The black paint was assessed as a single homogeneous area.

DISCUSSION & RECOMMENDATIONS

The materials sampled in the ceiling area of rooms 1051 and 1051B were not classified as ACM, and lead was not detected in the black paint. Therefore, hazard abatement enclosures and operations in accordance with HUD, EPA, DC, and SI regulations are not required. If additional suspect ACM or painted surfaces will be impacted during the project, the material(s) will be presumed positive unless otherwise sampled.

Should you have questions or need further assistance concerning this matter, you may contact me at (202) 633-2625 or Hayes Robinson at 202-633-2674.

Attachments:

1. Photos
2. AMA laboratory results and Chain of Custody (COC) for asbestos bulk samples